

Interlaboratory Validation Study of Environmental Protection Agency Method 1668A for Analysis of PCB Congeners in Water

Volume 2

Interlaboratory Validation Study of Environmental Protection Agency Method 1668A for Analysis of PCB Congeners in Water

Volume 2

1021505

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EPRI Project Manager
N. Goodman

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The following organization, under contract to the Electric Power Research Institute (EPRI), prepared this report:

Midwest Research Institute
425 Volker Blvd.
Kansas City, MO 64110

Principal Investigators
D. Hooton
C. D. Kies Bokenkroger

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PRODUCT DESCRIPTION

Polychlorinated biphenyls (PCBs) are a group of 209 chemicals with a common chemical structure. Historically, PCBs have been measured in environmental media as commercial mixtures of many PCB species. The U.S. Environmental Protection Agency (EPA) developed a highly sensitive analytical method, EPA Method 1668, that can be used to measure individual PCBs in water and other matrices. The EPA has proposed adding Method 1668 to the compilation of test methods that can be required to be used for monitoring compliance with water discharge permits. The Electric Power Research Institute (EPRI) undertook a multi-laboratory validation study to determine the performance of this method in clean water, as well as in a single-laboratory study with power-plant ash pond wastewater.

This report (1021505) is Volume 2 of a two-volume series. The other report is 1016277, *Interlaboratory Validation Study of Environmental Protection Agency Method 1668A for Analysis of PCB Congeners in Water: Volume 1*.

Results and Findings

The results of this investigation indicate that the sensitivity of Method 1668A is limited by the presence of the target chemicals as contaminants in the laboratory environment. Background contamination varies significantly from one laboratory to another, implying that an appropriate basis for method detection limits would be a laboratory-specific, long-term average of method blanks. When Method 1668A was applied to reagent water, quality control criteria specified in the method were met for most PCB compounds. Results for ash pond wastewater were not significantly different from those for reagent water.

Challenges and Objectives

Method 1668A is a complex method that demands a high degree of laboratory expertise and outstanding quality control to produce acceptable results. Because the method is so sensitive that it will likely detect PCBs in the cleanest water samples, including the “clean” reagent water used by laboratories, distinguishing background levels from low-level concentrations in a sample is challenging. This report provides information that may assist permitting staff at power companies and other entities that need to monitor for PCBs or evaluate PCB data to assess the quality of results delivered by their laboratory.

Applications, Value, and Use

The EPRI study provides a baseline for evaluating the capabilities of Method 1668A as applied to reagent water and ash pond wastewater. However, neither of these matrices presents the challenges of more complex water samples such as surface waters and high-strength industrial wastewaters, which are more likely to contain interfering substances. The results of the EPRI

study should be compared with results in the matrix of interest. Future research is needed to evaluate the performance of the method outside the context of a controlled validation study.

EPRI Perspective

EPRI has been involved in the evaluation of analytical method performance for water methods since the early 1990s. This report is one of a series of reports evaluating method detection limits and other performance indicators.

Approach

A multi-laboratory study was conducted using reagent water samples fortified with different concentrations of 209 PCB compounds. Samples were sent to eight laboratories for analysis. Statistical approaches were applied to evaluate the performance of the method. A single-laboratory study was also conducted using ash pond wastewater fortified with different concentrations of PCB compounds.

Keywords

EPA methods

PCBs

Polychlorinated biphenyls

Wastewater

Water analysis

ABSTRACT

Polychlorinated biphenyls (PCBs) are a group of 209 chemicals with a common chemical structure. Historically, PCBs have been measured in environmental media as aroclor mixtures, commercial mixtures of many PCB species. Recently, the U.S. Environmental Protection Agency (EPA) developed an analytical method, EPA Method 1668, which can be used to measure individual PCBs in water and other matrices. This method can detect far lower concentrations in water than previous methods: parts per quadrillion or picograms/liter, compared to parts per billion or nanograms/liter for earlier methods.

The EPA has proposed adding Method 1668 to the compilation of water test methods that can be required to be used for monitoring compliance with water discharge permits. When a method is used for this purpose, EPA typically first performs a study in multiple test laboratories to demonstrate the precision and accuracy of the method, as well as the sensitivity of the method in various types of samples. EPA completed such a study in 2005; however, it addressed only one type of wastewater and did not supply sufficient information to fully evaluate the ability of the method to measure PCBs accurately at very low concentrations.

PCBs are ubiquitous in the environment and are present at detectable levels in laboratory method blanks. Experience with Method 1668 has shown that most, if not all, water samples will contain detectable PCBs at levels exceeding instrument detection limits. Distinguishing the presence of PCBs from background contamination is a critical part of obtaining an accurate measurement of the actual concentrations in a sample, particularly for industrial facilities that have a “zero discharge” limit for PCBs in their permits. Due to concerns about background contamination, the EPA has based the detection limits in Method 1668 not on the sensitivity of the analytical instrument, as in most EPA methods, but on the levels of each PCB species that can be detected in the presence of background contamination.

To supplement the EPA interlaboratory study, EPRI undertook a validation study of Method 1668A (the version in place at the inception of this project) that included analysis of spiked reagent water samples by eight laboratories. The results of this study were used to derive statistically-based detection and quantitation limits for all PCB species. The study also evaluated the ability of laboratories to achieve these detection and quantitation levels in the presence of laboratory background contamination. A single laboratory effort evaluated the performance of the method in two samples of ash pond discharge from coal-fired power plants, to determine whether this matrix would affect the performance of Method 1668A.

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A

ACRONYMS AND ABBREVIATIONS

ASTM	American Society for Testing and Materials
CASN	Chemical Abstract Number
DRBC	Delaware River Basin Commission
EDL	Estimated Detection Limit
EMDL	Estimated Maximum Detection Limit
EML	Estimated Minimum Level
EPA	U.S. Environmental Protection Agency
EPRI	Electric Power Research Institute
GC/MS	Gas chromatography / mass spectrometry
HRGC/HRMS	High resolution gas chromatography / high resolution mass spectrometry
IDE	Interlaboratory Detection Estimate
IIAG	Inter-Industry Analytical Group
ILSD	Interlaboratory standard deviation
IQE	Interlaboratory Quantitation Estimate
IQR	Interquartile Range
IUPAC	International Union of Pure and Applied Chemistry
LCL	Lower confidence limit
MDL	Method Detection Limit
ML	Minimum Level
MRI	Midwest Research Institute
NOAA	U.S. National Oceanic and Atmospheric Administration
PCB(s)	Polychlorinated biphenyl(s)
RSD	Relative standard deviation
UCL	Upper confidence limit
WHO	World Health Organization

B

REAGENT WATER RESULTS BY SPIKE LEVEL

Appendix B. Reported Reagent Water Results by Lab Group Code (Spike Level)
Lab Group Code=RW-A

PCB	Spike level (pg/L)	# labs	Lab 1	Lab 2	Lab 3	Lab 4	Lab 5	Lab 6	Lab 7	Lab 8
1	0.00	8	0*	0*	1.9	6.16	28.55	8.1	*	*
2	0.00	8	0*	0*	1.31	5.49	*	*	18*	*
3	0.00	8	0*	0*	4.45*	7.83	20.91	6.7	*	*
4	0.00	8	0*	9.74*	*	*	*	*	*	*
5	0.00	6	0*	0*	*	*		*	*	
5/ 8	0.00	2					197.63*			3.5
6	0.00	8	0*	0*	*	*	*	*	*	*
7	0.00	8	0*	0*	*	*	*	*	*	3.2
8	0.00	6	0*	7.56*	1.84*	*		97	*	
9	0.00	8	0*	0*	*	*	*	*	*	3
10	0.00	8	0*	0*	*	*	*	*	*	*
11	0.00	8	0*	102	5.47	*	302.43	*	*	22
12/ 13	0.00	8	0*	0*	*	*	*	*	*	*
14	0.00	8	0*	0*	*	*	*	*	*	*
15	0.00	8	0*	0*	2.3*	*	*	*	*	2.2
16	0.00	5	0*	7.87	0.769*			46.4	9.01*	
16/ 24	0.00	1								*
16/ 24/ 27	0.00	2				30.9	9.02*			
17	0.00	8	0*	7.34*	0.695*	11.5	32.7	*	5.05*	*
18/ 30	0.00	8	0*	24.3	1.72	26.4	70.21	75.4	11.2	4.3
19	0.00	8	0*	0*	1.03*	7.52	13.81*	12.7	18.5*	*
20/ 21/ 28/ 33	0.00	2				57.5	97.58			
20/ 28	0.00	6	15	7.78	1.9			84.1	11.7	5.2
21/ 33	0.00	6	0*	6.1	1.28			47.3	7.88*	4.1
22	0.00	8	0*	0*	0.875	18.5	17.93	26.2	4.38	3.2

*** Indicates reported value does not meet one or more qualitative criteria and is not used in subsequent statistical analyses**
Note: A blank cell indicates PCB reported as coeluting with another PCB and reported elsewhere

Appendix B. Reported Reagent Water Results by Lab Group Code (Spike Level)
Lab Group Code=RW-A

PCB	Spike level (pg/L)	# labs	Lab 1	Lab 2	Lab 3	Lab 4	Lab 5	Lab 6	Lab 7	Lab 8
23	0.00	7	0*	0*	0.633	6.83		*	*	*
23/ 34	0.00	1					*			
24	0.00	5	0*	0*	*			*	*	
25	0.00	8	0*	0*	*	9.3	*	8.2	*	*
26/ 29	0.00	8	0*	0*	*	14.1	19.67	13.9	1.91*	*
27	0.00	6	0*	0*	*			5.2	*	*
31	0.00	8	0*	7.63	1.59	20.5	59.2	67.5	13.2*	5.1
32	0.00	8	0*	0*	0.658	10.5	18.08	22.4	3.3	*
34	0.00	7	0*	0*	*	7		*	*	*
35	0.00	8	0*	0*	*	8.65	*	*	*	*
36	0.00	8	0*	0*	*	7.2	*	*	*	*
37	0.00	8	0*	0*	1.1	19	*	10.4	3.46*	*
38	0.00	8	0*	0*	*	7.84	*	*	*	*
39	0.00	8	0*	0*	*	9.49	*	*	*	*
40/ 41/ 71	0.00	6	0*		0.776*	48.9	*	11.2		*
40/ 71	0.00	2		7.41					4.6	
41	0.00	2		0*					*	
42	0.00	7	0*	0*	*	17.5		*	*	*
42/ 59/ 62/ 75	0.00	1					*			
43	0.00	6	0*	0*	*			*	*	*
43/ 52/ 73	0.00	2				87.8	73.4			
44/ 47/ 65	0.00	8	32.6	22.6	2.37*	62.7	49.47	17.9	21.6	39
45	0.00	1		0*						
45/ 51	0.00	7	0*		0.593	19.6	*	6.4	4.74*	9.5
46	0.00	8	0*	0*	*	12.6	*	*	*	*

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Appendix B. Reported Reagent Water Results by Lab Group Code (Spike Level)
Lab Group Code=RW-A

PCB	Spike level (pg/L)	# labs	Lab 1	Lab 2	Lab 3	Lab 4	Lab 5	Lab 6	Lab 7	Lab 8
48	0.00	8	0*	0*	*	12.2	*	7.3	*	*
49/ 69	0.00	8	0*	15.6*	1.4*	28.4	19.52*	13.6	10.9	*
50/ 53	0.00	8	0*	7.79	*	19.6	*	*	2.89	*
51	0.00	1		0*						
52	0.00	6	20.8	75.3	3.69			28.8	39	*
54	0.00	8	0*	0*	*	11.2	*	*	*	*
55	0.00	7	0*	0*	*	8.08		*	*	*
55/ 66	0.00	1					15.47			
56	0.00	7	0*	0*	0.658	24		*	5.31	*
56/ 60	0.00	1					*			
57	0.00	8	0*	0*	*	6.71	*	*	*	*
58	0.00	7	0*	0*	*	8.97		*	*	*
58/ 67	0.00	1					*			
59/ 62/ 75	0.00	7	0*	0*	*	28.3		*	*	*
60	0.00	7	0*	0*	*	17		*	2.55*	*
61/ 70/ 74/ 76	0.00	8	0*	13.9	2.37	80.2	61.65	21	33.7	8.5
63	0.00	8	0*	0*	*	5.82	*	*	*	*
64	0.00	8	0*	4.79	0.659*	20	*	8.7	7.94	*
66	0.00	7	0*	0*	1.51	31.4		10	11.3	*
67	0.00	7	0*	0*	*	7.93		*	*	*
68	0.00	8	0*	0*	*	5.22	*	*	*	5.8
72	0.00	8	0*	0*	*	5.45	*	*	*	*
73	0.00	6	0*	0*	*			*	*	*
77	0.00	8	0*	0*	0.583	9.95	*	*	*	*
78	0.00	8	0*	0*	*	7.28	*	*	*	*

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Lab Group Code=RW-A

PCB	Spike level (pg/L)	# labs	Lab 1	Lab 2	Lab 3	Lab 4	Lab 5	Lab 6	Lab 7	Lab 8
79	0.00	8	0*	0*	*	8.55	*	*	*	*
80	0.00	8	0*	0*	*	4.9	*	*	*	*
81	0.00	8	0*	0*	0.555*	9.09	*	*	*	*
82	0.00	8	0*	0*	*	27.3	*	*	8.76	*
83	0.00	3		0*					*	*
83/ 99	0.00	3	0*		1.31			*		
83/ 99/112	0.00	2				61.4	*			
84	0.00	8	0*	0*	*	46.3	*	*	19.5	*
85/116	0.00	1		0*						
85/116/117	0.00	7	0*		0.627*	48.6	*	*	11.3	*
86/ 87/ 97/108/119/125	0.00	5	0*	13.7*	1.67		*		40.3	
86/ 87/ 97/109/119/125	0.00	3				130		14.6		*
88	0.00	1		0*						
88/ 91	0.00	7	0*		*	28.7	*	*	7.52	*
89	0.00	8	0*	0*	*	14.9	*	*	*	*
90/101/113	0.00	8	0*	40.1	1.19	122	33.86*	45.9	48.4	4.1
91	0.00	1		0*						
92	0.00	8	0*	0*	*	29.6	*	*	8.5	*
93/ 95/ 98/100/102	0.00	1			2.34					
93/ 98/100/102	0.00	4	0*			46.2	*	*		
93/100	0.00	3		0*					*	*
94	0.00	8	0*	0*	*	12.1	*	*	*	*
95	0.00	7	0*	42.1		82.6	71.41	*	44.4	5.1
96	0.00	8	0*	0*	*	10.6	*	*	*	*
98	0.00	1		0*						

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Lab Group Code=RW-A

PCB	Spike level (pg/L)	# labs	Lab 1	Lab 2	Lab 3	Lab 4	Lab 5	Lab 6	Lab 7	Lab 8
98/102	0.00	2							*	*
99	0.00	3		11.3					22.9*	*
102	0.00	1		0*						
103	0.00	8	0*	0*	*	11.3	*	*	*	*
104	0.00	8	0*	0*	*	16.5	*	*	*	*
105	0.00	8	0*	3.58*	1.21*	33.1	*	*	15.9	*
106	0.00	7	0*	0*	*	5.76		*	*	*
106/107/123	0.00	1				21.8				
106/109/123	0.00	1					*			
107	0.00	2						*		*
107/124	0.00	5	0*	0*	*		*		*	
108/124	0.00	3				13.8		*		*
109	0.00	4	0*	0*	*				*	
110	0.00	1		12.3						
110/115	0.00	7	0*		1.93	138	41.88	30.8	61.9	*
111	0.00	8	0*	0*	*	9.9	*	*	*	*
112	0.00	6	0*	0*	*			*	*	*
114	0.00	7	0*	0*	*	8.59		*	*	*
114/122	0.00	1					*			
115	0.00	1		0*						
117	0.00	1		0*						
118	0.00	8	0*	7.16*	2.93*	68.7	9.37*	15.4	33.8	3.4
120	0.00	8	0*	0*	*	12	*	*	*	*
121	0.00	7	0*	0*	*		*	*	*	*
122	0.00	7	0*	0*	*	6.93		*	*	*

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PCB	Spike level (pg/L)	# labs	Lab 1	Lab 2	Lab 3	Lab 4	Lab 5	Lab 6	Lab 7	Lab 8
123	0.00	6	0*	0*	*			*	*	*
126	0.00	8	0*	0*	*	9.59	*	*	*	*
127	0.00	8	0*	0*	*	7.27	*	*	*	*
128/166	0.00	8	0*	0*	0.691*	25.2	*	5.7	6.39*	*
129/138/160/163	0.00	4	0*		4.59	99.6	13.6			
129/138/163	0.00	4		20.2				63	39.5	4.2
130	0.00	7	0*	0*	*	12		*	*	*
130/137/164	0.00	1					*			
131	0.00	6	0*	0*	*			*	*	*
131/142	0.00	1					*			
132	0.00	8	0*	8.04*	0.651	40.9	6.28*	*	15.6	*
133	0.00	8	0*	0*	*	9.11	*	*	*	*
134	0.00	2		0*					*	
134/143	0.00	5	0*		*	17.7		*		*
134/147/149	0.00	1					40.34			
135/151	0.00	5	0*	24.6				28.4	*	*
135/151/154	0.00	3			0.664*	34.2	13.59			
136	0.00	8	0*	10.3	*	13.5	4.65	12.1	4.94	*
137	0.00	5	0*	0*	*			*	*	
137/164	0.00	2				21.3				*
139/140	0.00	8	0*	0*	*	18.2	*	*	*	*
141	0.00	7	0*	5.45*	*	17.2		15.9	*	*
141/153/168	0.00	1					22.63*			
142	0.00	7	0*	0*	*	5.94		*	*	*
143	0.00	3		0*			*		*	

*** Indicates reported value does not meet one or more qualitative criteria and is not used in subsequent statistical analyses**
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Lab Group Code=RW-A

PCB	Spike level (pg/L)	# labs	Lab 1	Lab 2	Lab 3	Lab 4	Lab 5	Lab 6	Lab 7	Lab 8
144	0.00	8	0*	0*	*	8.33	*	4.1	*	*
145	0.00	8	0*	0*	*	8.35	*	*	*	*
146	0.00	6	0*	0*	*			*	4.2	*
146/161	0.00	2				24.2	*			
147/149	0.00	7	0*	38.6	1.84	68.2		55.2	25.9*	5.2
148	0.00	8	0*	0*	*	7.48	*	*	*	*
150	0.00	7	0*	0*	*	7.1		*	*	*
150/152	0.00	1					*			
152	0.00	7	0*	0*	*	7.09		*	*	*
153/168	0.00	7	0*	29.8	1.11	79.7		58.9	20.9	*
154	0.00	5	0*	0*				*	*	*
155	0.00	8	0*	0*	*	7.49	*	*	*	*
156/157	0.00	8	0*	0*	0.742	17	*	8.6	3.52	*
158	0.00	8	0*	0*	*	13.7	*	8.5	3.84*	*
159	0.00	8	0*	0*	*	8.97	*	*	*	*
160	0.00	4		0*				*	*	*
161	0.00	6	0*	0*	*			*	*	*
162	0.00	8	0*	0*	*	7.6	*	*	*	*
164	0.00	5	0*	0*	*			6.5	*	
165	0.00	8	0*	0*	*	10.3	*	*	*	*
167	0.00	8	0*	0*	*	9.26	*	*	*	*
169	0.00	8	3.45	0*	*	12.1	*	*	*	*
170	0.00	8	0*	0*	0.831*	14.8	*	19.3	*	*
171/173	0.00	7	0*	0*	*	24.8		*	*	*
171/173/181	0.00	1					*			

*** Indicates reported value does not meet one or more qualitative criteria and is not used in subsequent statistical analyses**
Note: A blank cell indicates PCB reported as coeluting with another PCB and reported elsewhere

Appendix B. Reported Reagent Water Results by Lab Group Code (Spike Level)
Lab Group Code=RW-A

PCB	Spike level (pg/L)	# labs	Lab 1	Lab 2	Lab 3	Lab 4	Lab 5	Lab 6	Lab 7	Lab 8
172	0.00	8	0*	0*	*	10.2	*	*	*	*
174	0.00	6	0*	15	*			18.1	*	*
174/183/185	0.00	2				48.7	109.66			
175	0.00	8	0*	0*	*	11.6	*	*	*	*
176	0.00	8	0*	0*	*	8.44	*	*	*	*
177	0.00	8	0*	0*	0.706*	16.1	*	*	*	*
178	0.00	8	0*	0*	*	12	*	*	10.7*	*
179	0.00	8	0*	12.5	*	16.7	13.37	*	*	*
180/193	0.00	8	0*	20.8	0.629*	29.6	108.05	41.2	4.54	5.8
181	0.00	7	0*	0*	*	7.86		*	*	*
182	0.00	7	0*	0*	*	6.96		*	*	*
182/187	0.00	1					84.65*			
183	0.00	2		8.88				12.7		
183/185	0.00	4	0*		*				*	*
184	0.00	8	0*	0*	*	7.33	*	*	*	*
185	0.00	2		0*				*		
186	0.00	8	0*	0*	*	12.3	*	*	*	*
187	0.00	7	0*	19.4	*	25.4		17.2	*	*
188	0.00	8	0*	0*	*	8.14	*	*	*	*
189	0.00	8	0*	0*	*	8.26	*	*	*	*
190	0.00	8	0*	0*	*	9.06	*	*	*	*
191	0.00	8	0*	0*	*	6.92	*	*	*	*
192	0.00	8	0*	0*	*	8.08	*	*	*	*
194	0.00	8	0*	0*	*	11.9	75.85	*	*	*
195	0.00	8	0*	0*	*	7.48	20.81*	*	*	*

*** Indicates reported value does not meet one or more qualitative criteria and is not used in subsequent statistical analyses**
Note: A blank cell indicates PCB reported as coeluting with another PCB and reported elsewhere

Appendix B. Reported Reagent Water Results by Lab Group Code (Spike Level)
Lab Group Code=RW-A

PCB	Spike level (pg/L)	# labs	Lab 1	Lab 2	Lab 3	Lab 4	Lab 5	Lab 6	Lab 7	Lab 8
196	0.00	7	0*	0*	*	7.34		4.7	*	*
196/203	0.00	1					182.37			
197	0.00	3		0*				*		*
197/200	0.00	5	0*		*	12.9	11.73		*	
198/199	0.00	8	0*	0*	*	23.8	112.92	8.9	*	*
200	0.00	3		0*				*		*
201	0.00	8	0*	0*	*	6.55	10.56	*	*	*
202	0.00	8	0*	0*	*	9.16	11.31	*	*	*
203	0.00	7	0*	0*	*	11.8		4.5	*	*
204	0.00	8	0*	0*	*	6.83	*	*	*	*
205	0.00	8	0*	0*	*	10.7	*	*	*	*
206	0.00	8	0*	0*	*	18.3	101.55	8.4	*	*
207	0.00	8	0*	0*	*	7.36	11.6	*	*	*
208	0.00	8	0*	0*	*	8.37	14.28	*	*	*
209	0.00	8	0*	0*	0.864*	11	8.32	*	*	*

** Indicates reported value does not meet one or more qualitative criteria and is not used in subsequent statistical analyses*
Note: A blank cell indicates PCB reported as coeluting with another PCB and reported elsewhere

Appendix B. Reported Reagent Water Results by Lab Group Code (Spike Level)
Lab Group Code=RW-B

PCB	Spike level (pg/L)	# labs	Lab 1	Lab 2	Lab 3	Lab 4	Lab 5	Lab 6	Lab 7	Lab 8
1	31.97	8	38.3	25.1	33.8	30.5	65.3	27.6	42.8*	37
2	31.97	8	37.5	25.6	34.7	25	50.46	27.7	*	42
3	31.97	8	35.5	22.2	35.8	28.4	67.35	*	*	32
4	56.94	8	64.2	62.4*	59.2	50	146.38*	*	64.5	63
5	24.98	6	0*	18.2*	25.6	16.2		*	254*	
5/ 8	81.92	2					*			70
6	31.97	8	36.4	29.9*	32.9	23	*	*	36	44
7	24.98	8	0*	18.2*	27.6	15.2	*	*	13.2*	35
8	56.94	6	62.6	60*	55.3	44.4		*	74.3*	
9	31.97	8	43.8	30.5*	30	18.6	*	*	1010*	38
10	24.98	8	26.6	21.5*	20.6	15.7	*	*	12.7	28
11	23.98	8	42.7	25.2	26.2	28.1	347.2*	*	29.8	45
12/ 13	50.95	8	48.4	36.2*	48.6	29.7	*	*	30*	56
14	27.97	8	26.4	18.5	28.7	15.2	*	*	18.8	35
15	21.98	8	0*	16.9	23.9	23.4	*	*	27*	24
16	31.97	5	41.9	56.4	34.9			36	39.4	
16/ 24	56.94	1								67*
16/ 24/ 27	78.92	2				59	28.96			
17	24.98	8	0*	32.3	22.6	20.7	56.14	26	31.8	30
18/ 30	85.91	8	84.5	110	65.1	57.4	137.23	65.8	91.4	72
19	31.97	8	40.6	35.9	36.3	25.9	53.58	*	78*	43
20/ 21/ 28/ 33	100.90	2				87.1	205.21			
20/ 28	53.95	6	68.2	53.6	48.5			57.4	60.1	47
21/ 33	46.95	6	47.4	42.9	42.4			44.6	44.3	51
22	31.97	8	38.7	35.9	33.5	26.8	49.73	34	35.9	42

*** Indicates reported value does not meet one or more qualitative criteria and is not used in subsequent statistical analyses**
Note: A blank cell indicates PCB reported as coeluting with another PCB and reported elsewhere

Appendix B. Reported Reagent Water Results by Lab Group Code (Spike Level)
Lab Group Code=RW-B

PCB	Spike level (pg/L)	# labs	Lab 1	Lab 2	Lab 3	Lab 4	Lab 5	Lab 6	Lab 7	Lab 8
23	25.97	7	22.8	19.1*	21.5	14.8		*	20.2	28
23/ 34	47.95	1					43.94*			
24	24.98	5	29.9	21.9	20.3			20.1	17.1	
25	31.97	8	30.5	24.3	25.6	19.2	34.79	23.1	28.5*	33
26/ 29	46.95	8	40.5	38.5	37.9	29.2	58.75	33	46.7	51
27	21.98	6	23.6	26.4	19.9			17.7	30.2*	26
31	24.98	8	30.8	25.6	20.5	28.8	107.1	34.1	34.3	33
32	24.98	8	29.5	28.6	21.1	21.4	36.31	22.9	28.3	32
34	21.98	7	17.8	15.4*	17.4	11.1		14.5	23.2	21
35	27.97	8	18.1	20.3	25.5	14.3	22.94	*	24.1	30
36	26.97	8	18.6	16.1	20.4	13.5	14.4*	*	23.5	25
37	24.98	8	23.5	20.2	21.3	23.4	28.24	21.5	22.1	22
38	23.98	8	14.1	15.1	19.8	13.3	20.82	14.7	15.3	24
39	25.97	8	20.5	17.4	19.9	14.4	20.08*	*	23.2	23
40/ 41/ 71	78.92	6	72.2		78.9	84.4	66.07*	69		99
40/ 71	53.95	2		61.2					62.1	
41	24.98	2		26.8					25.8	
42	21.98	7	0*	23.5*	19.8	23.5		23.9	27.8	23
42/ 59/ 62/ 75	98.90	1					65.83*			
43	28.97	6	29	30	24.7			23.5	29.9*	25
43/ 52/ 73	113.89	2				138	185.02			
44/ 47/ 65	77.92	8	75.8	85.9	68.8	91	108.33	64.1	99.8	100
45	24.98	1		28.2						
45/ 51	52.95	7	61.2		46.7	45.2	55.45	39.9	56.6	71
46	24.98	8	25.3	22.7*	22.2	22.2	20.72	20.5	25.8	26

*** Indicates reported value does not meet one or more qualitative criteria and is not used in subsequent statistical analyses**
Note: A blank cell indicates PCB reported as coeluting with another PCB and reported elsewhere

Appendix B. Reported Reagent Water Results by Lab Group Code (Spike Level)
Lab Group Code=RW-B

PCB	Spike level (pg/L)	# labs	Lab 1	Lab 2	Lab 3	Lab 4	Lab 5	Lab 6	Lab 7	Lab 8
48	24.98	8	0*	21.7	21.1	22.4	30.14	*	24.5	26
49/ 69	44.96	8	37.4	48.4	36.3	49.5	62.11	43.6	59.5	48
50/ 53	51.95	8	59.8	52.3	42	41.6	56.92	40	54.9*	58
51	27.97	1		24.9						
52	56.94	6	61.3	114	49.1			66.7	109	58
54	27.97	8	27.2	29.4	25.9	20.8	23.94	28.4	28.7	29
55	28.97	7	19.6	24.9	28.1	14.7		19.8	23.1	28
55/ 66	60.94	1					77.94			
56	31.97	7	30.8	30.4	33.5	30.3		32.2	35.3	35
56/ 60	56.94	1					80.2			
57	23.98	8	14.6	18.2	18	12.7	33.66	13.8	24.7	23
58	28.97	7	19.6	24.9	24.6	15.9		17.7	23.7	31
58/ 67	60.94	1					51.11			
59/ 62/ 75	76.92	7	44.9	62.2	59.6	58		53	66.5	83
60	24.98	7	21.3	19.7	20.8	19.1		*	22.7	26
61/ 70/ 74/ 76	109.89	8	84.2	90.7	92.3	104	183.57	96.2	124	110
63	22.98	8	15.6	14.9	16.6	10.3	17.92	15	18.2	22
64	22.98	8	29.5	21.6	21.7	29	24.35	30.1	29.6	25
66	31.97	7	32.1	27.8	27.6	36.2		29.5	37.4	25
67	31.97	7	22.3	25.5	23.4	16.1		18.6	26.2*	25
68	25.97	8	16.5	20.2	17.2	12	26.22	*	18.4*	25
72	26.97	8	19.7	17.6	17.4	12.6	27.53	17.6	21.7	25*
73	27.97	6	0*	26.4	24.2			17.6	26.7	33
77	22.98	8	20.3	19.5	19.4	16.2	14.78	17.8	18.1	19
78	26.97	8	20.6	19.8	21.2	14.4	20.47*	18.6	26.5	22

*** Indicates reported value does not meet one or more qualitative criteria and is not used in subsequent statistical analyses**
Note: A blank cell indicates PCB reported as coeluting with another PCB and reported elsewhere

Appendix B. Reported Reagent Water Results by Lab Group Code (Spike Level)
Lab Group Code=RW-B

PCB	Spike level (pg/L)	# labs	Lab 1	Lab 2	Lab 3	Lab 4	Lab 5	Lab 6	Lab 7	Lab 8
79	26.97	8	20.1	21	20.1	15.2	21.34	21	25.6	26
80	25.97	8	0*	18.2	16.5	11.2	22.35	*	19.2	21
81	27.97	8	20.9	21.2	23.9	15.2	22.87	20.3	23.3	23
82	31.97	8	27.6	31.1	31.4	44.5	40.11*	24.9	40.2	35
83	24.98	3		20.7					27.5	27
83/ 99	56.94	3	50.3		47.6			53.2		
83/ 99/112	85.91	2				99.1	81.29			
84	24.98	8	26.4	25.7	24.7	53.2	30.59	*	42.1	30
85/116	48.95	1		29						
85/116/117	76.92	7	57.3		58.8	62.3	85.41	54.7	77	130
86/ 87/ 97/108/119/125	155.84	5	120	132	124		134.8		179	
86/ 87/ 97/109/119/125	151.85	3				165		121		160
88	25.97	1		24.1						
88/ 91	48.95	7	42.2		40.2	46.4	59.24	*	52.1	52
89	26.97	8	24.5	23.7	23.7	22.1	25.32	23.5	25*	29
90/101/113	73.93	8	60.4	77.7	59.2	119	98.43	95.6	116	51
91	22.98	1		18.6						
92	21.98	8	17.7	26.4	17.4	30.7	27.84	24.4	29.2	23
93/ 95/ 98/100/102	125.87	1			102					
93/ 98/100/102	100.90	4	80.4			82.8	71.89	73.9		
93/100	49.95	3		41					41.6	39
94	25.97	8	22.8	21.8	22.8	18.7	19.78	*	22.3*	30
95	24.98	7	28.1	42.5		89.3	134.47	56.4	71.4	32
96	26.97	8	29.5	29.3	20.8	23	12.43*	19.9	26.6	32
98	26.97	1		26.5*						

*** Indicates reported value does not meet one or more qualitative criteria and is not used in subsequent statistical analyses**
Note: A blank cell indicates PCB reported as coeluting with another PCB and reported elsewhere

Appendix B. Reported Reagent Water Results by Lab Group Code (Spike Level)
Lab Group Code=RW-B

PCB	Spike level (pg/L)	# labs	Lab 1	Lab 2	Lab 3	Lab 4	Lab 5	Lab 6	Lab 7	Lab 8
98/102	50.95	2							53*	54
99	31.97	3		34.5					46.4	28
102	23.98	1		20.1*						
103	24.98	8	21	19.4	17.4	19	29.58	16.8	22.9	24
104	22.98	8	22	22.5	21.6	20.1	15.95	20	24	23
105	21.98	8	18.9	20.5	19.7	32.5	15.63*	25.8	31.3	15*
106	26.97	7	22.4	17.4*	20.5	19.2		19.5	15.3	21
106/107/123	76.92	1				36.4				
106/109/123	74.93	1					64.55			
107	26.97	2						17		23
107/124	54.95	5	43.2	40.7	43.4		45.6		49.7	
108/124	56.94	3				25		*		49
109	24.98	4	19.3	17.4	18				26.3	
110	31.97	1		34.4						
110/115	56.94	7	53.7		50.6	129	92.68	*	121	130
111	25.97	8	19.1	19.3	18.9	19	14.96*	12.8	19.9	22*
112	28.97	6	22.5	22.1	22.7			18.5	26.9	28
114	22.98	7	21.4	17.4	18.6	16.8		15.4	17.7	12*
114/122	50.95	1					30.93			
115	24.98	1		18.6						
117	27.97	1		29.2						
118	46.95	8	0*	37	38.6	64.6	43.27	61.8	68	32
120	28.97	8	18.2	20.8	19.2	18.2	20.62	*	21.6	23
121	25.97	7	18.4	19.3	16.9		19.02	19.1	20.5	23
122	27.97	7	26.6	21.8*	26.6	16.9		*	33*	27

*** Indicates reported value does not meet one or more qualitative criteria and is not used in subsequent statistical analyses**
Note: A blank cell indicates PCB reported as coeluting with another PCB and reported elsewhere

Appendix B. Reported Reagent Water Results by Lab Group Code (Spike Level)
Lab Group Code=RW-B

PCB	Spike level (pg/L)	# labs	Lab 1	Lab 2	Lab 3	Lab 4	Lab 5	Lab 6	Lab 7	Lab 8
123	22.98	6	14.6	17.8	19.7			*	18.1	10*
126	23.98	8	24.7	19.8	23.8	16.5	12.56	16.7	20.2	19
127	23.98	8	17.9	16.6	20.3	12.6	12.32*	16.4	21.4	22
128/166	48.95	8	38.2	36.6	42.3	41.3	28.29	38.7	54.7	39
129/138/160/163	108.89	4	82.1		93.1	118	97.68			
129/138/163	82.92	4		73.3				133	128	62
130	27.97	7	23.8	25.6	22.2	21.7		*	25.4	28
130/137/164	75.92	1					47.64*			
131	24.98	6	22.2	19	20.4			17.2	28.2	23*
131/142	50.95	1					34.75			
132	24.98	8	22.5	23.2	25.2	40.4	23.35	45.6	40.8	28*
133	23.98	8	18.1	18.7	18.2	16.6	11.57*	*	19.4*	27
134	21.98	2		21.7*					35.6	
134/143	47.95	5	37.7		40.5	39.4		38.1		48*
134/147/149	78.92	1					85.11			
135/151	46.95	5	0*	48.8				64.1	59.4*	57
135/151/154	74.93	3			54.8	51.1	72.54*			
136	21.98	8	21.4	23	18.7	21.7	21.54	*	27.4	26
137	22.98	5	13.8	16.2	18.1			*	23.6	
137/164	47.95	2				35.6				37
139/140	49.95	8	36.8	39.5	36.6	31.7	22.55	29.3	39.6	40
141	24.98	7	14.8	22.9	21.3	20.8		*	21.7	24
141/153/168	152.85	1					147.8			
142	25.97	7	19.6	21.4	20.5	16.6		15.5	23.1	25
143	25.97	3		24.3			16.19		16.9	

*** Indicates reported value does not meet one or more qualitative criteria and is not used in subsequent statistical analyses**
Note: A blank cell indicates PCB reported as coeluting with another PCB and reported elsewhere

Appendix B. Reported Reagent Water Results by Lab Group Code (Spike Level)
Lab Group Code=RW-B

PCB	Spike level (pg/L)	# labs	Lab 1	Lab 2	Lab 3	Lab 4	Lab 5	Lab 6	Lab 7	Lab 8
144	21.98	8	19.5	23.4	15.8	15.1	48.65	20.5	22.5	24
145	23.98	8	21.7	21	19.9	13.9	13.04	14.9	22.8	24
146	31.97	6	25.3	31.2	23.8			27	33.3	31
146/161	55.94	2				39.5	39.56			
147/149	56.94	7	48.6	56.9	46.3	81.7		91.9	59.8	58
148	25.97	8	0*	26.4	17.2	12.1	12.37*	17.3	26	22
150	25.97	7	21.6	24.2	21	13.6		19.2	24.4	24
150/152	52.95	1					31.93			
152	26.97	7	31.5	25.8	22.4	14.4		23.2	27.2	29*
153/168	127.87	7	81.9	98.6	88.5	98.9		144	120	95
154	27.97	5	22.1	24.9				13.1	20.9	22
155	25.97	8	19.9	21	20.1	13.9	20.94	17.9	21.7*	21
156/157	44.96	8	39.8	35.1	42.9	31.4	21.1	39.6	39.8	23*
158	21.98	8	14.3	19.5	17.9	18.7	13.23	20.2	25.2	19
159	28.97	8	18.4	23.6	23.6	17.2	28.2	17.6	24.7	26
160	25.97	4		21.9				*	30.9*	26
161	23.98	6	16.4	17.4	17.5			*	19.4*	22
162	25.97	8	0*	20	22.5	13.2	18.88	15.3	22	18*
164	24.98	5	20.3	19.6	21.5			21.9	22	
165	27.97	8	21	23.9	20.7	18	16.97	13.9	24.7*	23
167	22.98	8	17.9	17.8	21.4	15.6	13.53	*	20.7	14
169	23.98	8	0*	24.7	26.7	21.1	18.28	18.4	21.4	22
170	24.98	8	21.1	20.3*	23.7	21.1	23.08*	41	25.4	16
171/173	56.94	7	46.4	48.3	49.6	44.5		*	51.2	49
171/173/181	80.92	1					77.14			

*** Indicates reported value does not meet one or more qualitative criteria and is not used in subsequent statistical analyses**
Note: A blank cell indicates PCB reported as coeluting with another PCB and reported elsewhere

Appendix B. Reported Reagent Water Results by Lab Group Code (Spike Level)
Lab Group Code=RW-B

PCB	Spike level (pg/L)	# labs	Lab 1	Lab 2	Lab 3	Lab 4	Lab 5	Lab 6	Lab 7	Lab 8
172	24.98	8	21.2	18.5	21.6	15.7	18.4*	19.4	21.8	22
174	31.97	6	0*	32.8	30.1			43.7	32.1	30
174/183/185	79.92	2				77.8	288.94			
175	27.97	8	25.6	21.1	20.4	21.1	97.29	16.2	23.4	29
176	22.98	8	19.7	18.2	19.5	16.9	34.07	*	24	19
177	31.97	8	25.3	29.8	29.3	22.6	41.54*	*	32.7	31
178	24.98	8	24	21	19.9	21	132.87	20.3	34.1*	25
179	31.97	8	35.7	38.8	26.9	30.6	46.62	35.6	33.2	31
180/193	56.94	8	48.3	49.1	52.9	46.3	147.44*	90.4	59	44
181	23.98	7	16	19.1	19.9	14.9		11.3	15.7	19
182	26.97	7	19.4	21.4	20.6	16.6		15.1	25.1	28
182/187	58.94	1					264.93			
183	24.98	2		14.8				44.3		
183/185	47.95	4	30.6		36.9				35	44
184	26.97	8	19.8	22.8	16	15.8	16.05	*	20.2	19
185	22.98	2		21.8				*		
186	28.97	8	24.7	29.6*	24.5	23.6	40.02	*	25	28
187	31.97	7	30.2	24.5*	27.7	35.6		43.1	30.6*	23
188	25.97	8	19.6	23.7	21	14.1	14.96*	13.7	20.1*	17*
189	22.98	8	0*	20	24.5	19.5	16.51	19.1	16.9	18
190	21.98	8	15.9	19	21.4	17.9	9.79*	23.6	21.8	20
191	21.98	8	19.3	20.6	20.1	14.1	16.14	17.4	20.7	19
192	28.97	8	21.4	28.5	25.3	15.1	15.45*	15.3	25.4	27
194	31.97	8	29.9	37.7	35.2	18.9	66.16	44.1	32.1	27
195	31.97	8	31.4	31.1	31.6	16.6	35.65	*	34.1*	15

*** Indicates reported value does not meet one or more qualitative criteria and is not used in subsequent statistical analyses**
Note: A blank cell indicates PCB reported as coeluting with another PCB and reported elsewhere

Appendix B. Reported Reagent Water Results by Lab Group Code (Spike Level)
Lab Group Code=RW-B

PCB	Spike level (pg/L)	# labs	Lab 1	Lab 2	Lab 3	Lab 4	Lab 5	Lab 6	Lab 7	Lab 8
196	24.98	7	18.5	18.4	23.3	14.1		*	27.2	20
196/203	56.94	1					225.18			
197	24.98	3		14.8*				8.7		11*
197/200	52.95	5	38.6		41.7	27.4	57.04		39.4*	
198/199	60.94	8	48.3	56.1	53.8	43	139.11	*	52.4	55
200	27.97	3		29.1				22.4		28
201	27.97	8	21	23.1	21.3	13.7	45.24	16.6	24.8	18
202	27.97	8	21.1	20.8	24.5	13.6	33.8*	20.3	19.5*	17
203	31.97	7	26.6	31.9	30.1	18.8		30.5	22.7	23*
204	26.97	8	19.3	21.3	19.5	14.1	19.28	11.4	20.6*	15*
205	24.98	8	22.1	21.8	26.3	19	18.9	17.1	20.7	20*
206	31.97	8	28.1	29.3	37	27.4	88.06	*	31.4	22
207	21.98	8	14.1	17.8	20.6	11.3	21.54	*	17.3	12
208	21.98	8	14.9	16.4	23	12.6	24.63	15.8	16.2	10
209	21.98	8	17.9	16.9	24	15.5	19.32	14.9	16.8	7.5

** Indicates reported value does not meet one or more qualitative criteria and is not used in subsequent statistical analyses*
Note: A blank cell indicates PCB reported as coeluting with another PCB and reported elsewhere

Appendix B. Reported Reagent Water Results by Lab Group Code (Spike Level)
Lab Group Code=RW-C

PCB	Spike level (pg/L)	# labs	Lab 1	Lab 2	Lab 3	Lab 4	Lab 5	Lab 6	Lab 7	Lab 8
1	63.94	8	75.3	51.9	67.6	61.3	96.79	54.4	76.1*	73
2	63.94	8	65.7	58.6	68.7	48	92.22	56.7	88.9	79
3	63.94	8	67.6	50.8	68.1	57.4	102.04	56	65.5	66
4	113.89	8	134	119	116	106	218.39	107	129	140
5	49.95	6	41.5	40.3	50	32.1		*	98.5*	
5/ 8	163.84	2					801.58			140
6	63.94	8	65.8	63.2	61.1	46.2	81.82	*	78.2	85
7	49.95	8	48.4	37.4*	45.6	29.8	64.19	*	45*	66
8	113.89	6	116	112	105	80.1		*	156*	
9	63.94	8	80.1	59.7	58.3	40.9	72.01	*	507*	74
10	49.95	8	54.7	46.6	42.6	38	39.45	45	46.7	60
11	47.95	8	57.7	69.7	54.2	42.4	426.31	*	66.9	72
12/ 13	101.90	8	89.1	77.8	102	59.6	128.87	*	90.2	100
14	55.94	8	55	42.2*	55.1	30.9	53.42	*	57.9	69
15	43.96	8	41	35	47.4	43.6	101.87	*	42.7	41
16	63.94	5	90.3	73.8	64.7			61.2	87.4	
16/ 24	113.89	1								130
16/ 24/ 27	157.84	2				105	56.6			
17	49.95	8	58.7	47.7	40.3	41.2	88.05	36.9	62.3	58
18/ 30	171.83	8	177	180	131	108	231.43	109	196	140
19	63.94	8	87.2	67.5	72.3	57.5	81.81	64.2	84.3	84
20/ 21/ 28/ 33	201.80	2				148	338.2			
20/ 28	107.89	6	100	97	98.7			79.9	119	86
21/ 33	93.91	6	84.4	68.8	86.1			66.2	104	100
22	63.94	8	70.9	56.9	67.8	47.1	92.22	51.6	70.7	75

*** Indicates reported value does not meet one or more qualitative criteria and is not used in subsequent statistical analyses**
Note: A blank cell indicates PCB reported as coeluting with another PCB and reported elsewhere

Appendix B. Reported Reagent Water Results by Lab Group Code (Spike Level)
Lab Group Code=RW-C

PCB	Spike level (pg/L)	# labs	Lab 1	Lab 2	Lab 3	Lab 4	Lab 5	Lab 6	Lab 7	Lab 8
23	51.95	7	42.9	40.2	41.8	29.2		31.3	51.7	58
23/ 34	95.90	1					101.64			
24	49.95	5	54.6	46.5	42.9			35.7	56	
25	63.94	8	54.4	50.7	52.3	38.4	69.28	41.3	64.4	63
26/ 29	93.91	8	73.4	74.4	75.6	54.4	118.49	64.4	102	97
27	43.96	6	51.1	46.6	39.8			33.2	55.7	54
31	49.95	8	46.1	36.6	42.5	42	133.12	38.5	72.1	57
32	49.95	8	58.1	46.9	40.5	40.2	59.72	40.9	64.8	59
34	43.96	7	33.1	34.2	36	24		31.1	46.7	46
35	55.94	8	36.2	41.8	53.2	32.7	49.71	35.7	56.3	55
36	53.95	8	31.2	34.6	41.8	27.2	37.45	30.7	51.2	45
37	49.95	8	37.2	38.7	45.1	37.5	48.74*	31.5	48.1	41
38	47.95	8	24.3	33.6	41.9	25.3	42.76	27.5	37.8	44
39	51.95	8	35.5	36.4	42.3	29.8	47.21	31.9	43.2	49
40/ 41/ 71	157.84	6	160		159	152	100.35	124		190
40/ 71	107.89	2		120					130	
41	49.95	2		45					48.8	
42	43.96	7	37.8	45.5	42.5	38.9		*	47.4	45
42/ 59/ 62/ 75	197.80	1					117.67*			
43	57.94	6	37.3	45.5	49.2			*	63.3	58
43/ 52/ 73	227.77	2				215	297.58			
44/ 47/ 65	155.84	8	147	151	138	144	164.88	103	181	180
45	49.95	1		49						
45/ 51	105.89	7	117		86.5	83.1	104.13	74.3	113	130
46	49.95	8	53.9	42.3	42.8	47.9	45.76	36.4	53.2	64

*** Indicates reported value does not meet one or more qualitative criteria and is not used in subsequent statistical analyses**
Note: A blank cell indicates PCB reported as coeluting with another PCB and reported elsewhere

Appendix B. Reported Reagent Water Results by Lab Group Code (Spike Level)
Lab Group Code=RW-C

PCB	Spike level (pg/L)	# labs	Lab 1	Lab 2	Lab 3	Lab 4	Lab 5	Lab 6	Lab 7	Lab 8
48	49.95	8	50.4	41.5	43.4	41.4	52.06	35.5	48.3	53
49/ 69	89.91	8	71.1	86.1	70.2	82.3	93.48	64.5	115	97
50/ 53	103.90	8	110	99.7	79.6	77.6	102.83	72.1	117	120
51	55.94	1		48.9						
52	113.89	6	128	154	97.3			84.8	212	130
54	55.94	8	54.3	60.4	52.1	45.2	46.65	44.6	57.8	60
55	57.94	7	39.1	53.1	55.4	34.6		38	53.4	58
55/ 66	121.88	1					121.29			
56	63.94	7	55.3	58.8	70.9	50.6		47.7	65.9	66
56/ 60	113.89	1					135.29			
57	47.95	8	33.9	35.2	38.6	24.7	50.05*	*	43.9	46
58	57.94	7	38.1	49.7	50.9	34.5		35.2	49.4	58
58/ 67	121.88	1					102.41			
59/ 62/ 75	153.85	7	105	128	116	116		89.7	145	150
60	49.95	7	37.6	37.1	44.3	36.1		30.7	42.6	44*
61/ 70/ 74/ 76	219.78	8	161	176	193	164	276.2	140	249	210
63	45.95	8	29.6	26.7	36.4	22.5	30.17*	28.7	39.9	43
64	45.95	8	54.1	39.3	39.5	42.9	17.43	39.6	58.1	50
66	63.94	7	52.2	54.5	56.9	54.6		45.6	76.3	44
67	63.94	7	46.1	48	51.7	32.2		38.2	53.9	54
68	51.95	8	30.8	35.5	35.8	25.8	43.55	28	38.4	50
72	53.95	8	35.5	34.8	36.2	27.8	52.79	31.5	46	55
73	55.94	6	49	58.1	48.4			36.4	58.9	61
77	45.95	8	40.6	36.3	41	38.1	37.27*	30.6	38.7	39
78	53.95	8	40.7	39.4	47.3	33.1	53.26	35.3	46.8	50

*** Indicates reported value does not meet one or more qualitative criteria and is not used in subsequent statistical analyses**
Note: A blank cell indicates PCB reported as coeluting with another PCB and reported elsewhere

Appendix B. Reported Reagent Water Results by Lab Group Code (Spike Level)
Lab Group Code=RW-C

PCB	Spike level (pg/L)	# labs	Lab 1	Lab 2	Lab 3	Lab 4	Lab 5	Lab 6	Lab 7	Lab 8
79	53.95	8	39.9	35.6	45.6	30.1	46.91	*	43.4	52
80	51.95	8	32.8	32.6	34.4	26.4	36.19*	28.6	37.1	42
81	55.94	8	40.2	41	46.9	39.1	55.43	34.5	42	47
82	63.94	8	64.6	63.5	58.8	73.6	82.48	46.4	76.4	68
83	49.95	3		46					51.3	67
83/ 99	113.89	3	92.6		94.8			76.6		
83/ 99/112	171.83	2				163	136.91			
84	49.95	8	50.7	47.8	45.1	72.2	48.62	35.8	77.4	61
85/116	97.90	1		72.1						
85/116/117	153.85	7	122		117	119	171.45	*	148	260
86/ 87/ 97/108/119/125	311.69	5	252	270	258		252.52		346	
86/ 87/ 97/109/119/125	303.70	3				273		200		310
88	51.95	1		57.4						
88/ 91	97.90	7	89.8		75	88.1	94.43	64	113	100
89	53.95	8	49.6	52.8	46.5	43.1	47.59	*	57.6	59
90/101/113	147.85	8	122	158	113	158	145.21	127	204	100
91	45.95	1		31.5						
92	43.96	8	38.6	47.9	33	51.6	43.77	33	54.5	47
93/ 95/ 98/100/102	251.75	1			192					
93/ 98/100/102	201.80	4	169			148	133.03	133		
93/100	99.90	3		92					80.9	96
94	51.95	8	45.1	51	44.8	41.1	33.69	45.6	51.9	57
95	49.95	7	48.2	71.9		103	153.11	57.4	123	62
96	53.95	8	53.3	56.9	38.5	46.7	30.98	*	51.7	62
98	53.95	1		48.8						

*** Indicates reported value does not meet one or more qualitative criteria and is not used in subsequent statistical analyses**
Note: A blank cell indicates PCB reported as coeluting with another PCB and reported elsewhere

Appendix B. Reported Reagent Water Results by Lab Group Code (Spike Level)
Lab Group Code=RW-C

PCB	Spike level (pg/L)	# labs	Lab 1	Lab 2	Lab 3	Lab 4	Lab 5	Lab 6	Lab 7	Lab 8
98/102	101.90	2							118	98
99	63.94	3		71.6					83.5	52
102	47.95	1		42.3						
103	49.95	8	41.9	38.8	33.1	36	45.45	31.8	49.2	49
104	45.95	8	47.1	44.8	46.8	38.6	43.86	43	44.8	44
105	43.96	8	36.3	33.8	40.3	46.4	36.43	33.1	54.6	33
106	53.95	7	45.4	42.8	42.2	38.8		33.4	37	48
106/107/123	153.85	1				79.5				
106/109/123	149.85	1					137.58			
107	53.95	2						27.6		43
107/124	109.89	5	90.2	77.7	91		95.85		98	
108/124	113.89	3				59.3		62.6		98
109	49.95	4	37.6	36.6	36.2				48*	
110	63.94	1		74.9						
110/115	113.89	7	100		104	164	152.35	104	214	260
111	51.95	8	38.7	39.4	38.8	38.1	32.53	*	38.8	45
112	57.94	6	48.3	50.8	46			38.3	55.5	55
114	45.95	7	35.4	34.3	37.6	27.6		28.8	35.4	25
114/122	101.90	1					71.88			
115	49.95	1		33						
117	55.94	1		51.8						
118	93.91	8	73.1	70.5	78	95	75.89	66.5	119	63
120	57.94	8	39.2	37.3*	38.5	35.1	43.49	26.7	49.9*	47
121	51.95	7	37.6	42.1	33.9		32.79	29.6	40.2	45
122	55.94	7	48.3	45.3	50.8	34.1		40.5	54.7	54

*** Indicates reported value does not meet one or more qualitative criteria and is not used in subsequent statistical analyses**
Note: A blank cell indicates PCB reported as coeluting with another PCB and reported elsewhere

Appendix B. Reported Reagent Water Results by Lab Group Code (Spike Level)
Lab Group Code=RW-C

PCB	Spike level (pg/L)	# labs	Lab 1	Lab 2	Lab 3	Lab 4	Lab 5	Lab 6	Lab 7	Lab 8
123	45.95	6	38.6	32.5	41.9			26.4	37.5	29
126	47.95	8	42.7	37.8	44.5	36.8	27.68	34.9	37.9	38
127	47.95	8	40.9	32.3	41.1	24.6	33.26	*	41.7	43
128/166	97.90	8	77.9	81.1	85.1	80.1	53.95	60.7	105	83
129/138/160/163	217.78	4	172		191	206	156.17			
129/138/163	165.83	4		148				170	234	130
130	55.94	7	47	49.5	46.1	43.1		34.5	57.9	55
130/137/164	151.85	1					91.91			
131	49.95	6	41.1	39.6	41.2			*	52.6	49
131/142	101.90	1					78.29			
132	49.95	8	43.1	47.2	46.4	55	28.34*	*	66.7	64
133	47.95	8	37.2	38.1	36.4	35.1	22.71	28.1	47.4	50
134	43.96	2		53.7					58.2	
134/143	95.90	5	80.2		83	75		72		95
134/147/149	157.84	1					137.84			
135/151	93.91	5	101	103				79.1	125	110
135/151/154	149.85	3			112	83.9	136.41			
136	43.96	8	42	57	35.5	35	36.73	39.3	52.5	53
137	45.95	5	27.9	25.2	34.7			*	56.7	
137/164	95.90	2				71				77
139/140	99.90	8	71.4	80.1	73.4	66.5	48.51	57.1	84.2	94
141	49.95	7	36.6	38.2	41.4	41		41.5	38.1	50
141/153/168	305.69	1					224.14			
142	51.95	7	39.7	45.4	41.1	41.8		32.2	56.1	56
143	51.95	3		46.7			37.78		43.5	

*** Indicates reported value does not meet one or more qualitative criteria and is not used in subsequent statistical analyses**
Note: A blank cell indicates PCB reported as coeluting with another PCB and reported elsewhere

Appendix B. Reported Reagent Water Results by Lab Group Code (Spike Level)
Lab Group Code=RW-C

PCB	Spike level (pg/L)	# labs	Lab 1	Lab 2	Lab 3	Lab 4	Lab 5	Lab 6	Lab 7	Lab 8
144	43.96	8	0*	44.9	32.8	24.7	65.34	29.6	47.1	47
145	47.95	8	46.3	42.7	38.5	24.4	20.76	*	43.8	54
146	63.94	6	50	54.9	48.4			47.2	57.1	60
146/161	111.89	2				79.3	58.47			
147/149	113.89	7	94.6	125	91.7	117		105	88.4	130
148	51.95	8	45.5	43	35.1	27.2	31.75	31	46.5	52
150	51.95	7	43.9	46.2	39.7	28.7		35.1	48.9	55
150/152	105.89	1					59.08			
152	53.95	7	50.3	51.9	40.7	32.3		36.9	57.9	67
153/168	255.74	7	166	199	183	178		174	245	190
154	55.94	5	43	44.1				26.7	44.3	44
155	51.95	8	39.7	42.8	42.4	31.5	47.12	34.2	45.1	43
156/157	89.91	8	69.5	72.6	82.1	65.6	40.75	68.5	76.4	58
158	43.96	8	33.7	40.1	37.6	33.3	18.5*	30.3	51.4	44
159	57.94	8	39.4	43.4	44.9	37.6	41.99	33.9	55.9	48
160	51.95	4		42.5				28.5	43.3	48
161	47.95	6	35.4	32.7	34.3			26.5	45.5	44
162	51.95	8	43.8	39.4	43.7	26.9	32.92	32.6	48.1	48
164	49.95	5	45.1	42.3	42.1			*	45.5	
165	55.94	8	40.7	47.5	42	39.2	26.78	29.5	55.6	51
167	45.95	8	34.5	35.7	41	31.1	21.1	*	36.3	30
169	47.95	8	42.7	43.9	47.5	43.7	25.8	38.1	45	43
170	49.95	8	37.8	41.1	45.6	49.6	38.71	51	50.6	32
171/173	113.89	7	96.5	96.9	100	79.4		77	98.1	100
171/173/181	161.84	1					128.53			

*** Indicates reported value does not meet one or more qualitative criteria and is not used in subsequent statistical analyses**
Note: A blank cell indicates PCB reported as coeluting with another PCB and reported elsewhere

Appendix B. Reported Reagent Water Results by Lab Group Code (Spike Level)
Lab Group Code=RW-C

PCB	Spike level (pg/L)	# labs	Lab 1	Lab 2	Lab 3	Lab 4	Lab 5	Lab 6	Lab 7	Lab 8
172	49.95	8	41	35.2	39.7	35.3	35.11*	*	44.2	43
174	63.94	6	62	73.3	58.3			56.8	64.2	59
174/183/185	159.84	2				146	110.04			
175	55.94	8	49.8	44.4	41.9	39.9	163.36	27.2	46.8	52
176	45.95	8	40.7	34	38.4	37.9	43.79*	28.2	40.2	46
177	63.94	8	62.4	61.8	57.2	53.2	52.16	60.3	67.6	63
178	49.95	8	40.3	36.8	41.4	44.2	172.33	32.9	50.4	52
179	63.94	8	64.4	73.9	52.6	60.8	62.87	47.3	70.1	72
180/193	113.89	8	96.3	105	97.7	97.4	128.78	104	108	93
181	47.95	7	34.5	30.2	39.1	32.9		27.8	36.9	40
182	53.95	7	41	41	42.8	40.7		26.6	42.3	48
182/187	117.88	1					254.57			
183	49.95	2		36.6				34.4		
183/185	95.90	4	72.8		75.9				70	79
184	53.95	8	37.5	36.6	33.5	30.8	26.9*	23.9	35.7	39
185	45.95	2		29.7				31		
186	57.94	8	52.5	58.2	47.5	44.6	63.08	33.3	47	57
187	63.94	7	60.4	69.3	53.5	61.7		53.8	54.6	50
188	51.95	8	37.9	40.4	43.4	36.6	30.33	25.2	39.4	45
189	45.95	8	0*	36.5	41.1	37.7	28.03	32.6	39.8	38
190	43.96	8	37.4	38	40.2	35.8	25.29	30.9	46.5	42
191	43.96	8	35.2	38.2	37.7	31.7	30.02	*	42	44
192	57.94	8	0*	50.6	46.6	38.1	42.01	34.7	46.6	51
194	63.94	8	63.4	67.1	62.7	39.6	48.26	64.5	73.6	47
195	63.94	8	59	56.9	54.9	34.7	42.69	46	66.4	35

*** Indicates reported value does not meet one or more qualitative criteria and is not used in subsequent statistical analyses**
Note: A blank cell indicates PCB reported as coeluting with another PCB and reported elsewhere

Appendix B. Reported Reagent Water Results by Lab Group Code (Spike Level)
Lab Group Code=RW-C

PCB	Spike level (pg/L)	# labs	Lab 1	Lab 2	Lab 3	Lab 4	Lab 5	Lab 6	Lab 7	Lab 8
196	49.95	7	38.2	38.2	40.2	32.5		32.5	47.5	46
196/203	113.89	1					152.11			
197	49.95	3		28.1				24.3		31
197/200	105.89	5	72.3		76	58.6	67.24		90.9	
198/199	121.88	8	97.8	113	101	84.5	102.2	84.3	107	110
200	55.94	3		54.9				32.9		54
201	55.94	8	38.5	42.2	37.2	29.8	47	30.9	46.1	43
202	55.94	8	40.8	41.9	46	30.9	33.78	37.5	42.7	37
203	63.94	7	53.5	55.8	51	38.2		48.2	60.1	56
204	53.95	8	33.3	36.6	31.8	33.7	31.87	19.8	43.8	36
205	49.95	8	0*	41.1	46	35.1	26.64	*	40.8	45
206	63.94	8	57.4	53	54.6	48.5	53.2	62.4	56.8	44
207	43.96	8	27.7	29.3	29.7	22.6	24.83	23.6	41.2	24
208	43.96	8	30.2	31.7	34.7	29.1	21.67	*	32.5	25
209	43.96	8	33.6	30.3	29.7	29.2	23.85	*	31	19

** Indicates reported value does not meet one or more qualitative criteria and is not used in subsequent statistical analyses*
Note: A blank cell indicates PCB reported as coeluting with another PCB and reported elsewhere

Appendix B. Reported Reagent Water Results by Lab Group Code (Spike Level)
Lab Group Code=RW-D

PCB	Spike level (pg/L)	# labs	Lab 1	Lab 2	Lab 3	Lab 4	Lab 5	Lab 6	Lab 7	Lab 8
1	239.76	8	277	204	249	187	287.88	188	239*	260
2	239.76	8	249	233	242	176	340.62	194	362	300
3	239.76	8	247	201	241	177	302.64	200	355*	240
4	427.07	8	475	447	434	364	561.91	412	454	520
5	187.31	6	174	154	182	113		126	251*	
5/ 8	614.39	2					1342.37*			510
6	239.76	8	268	223	222	142	178.46*	187	235	300
7	187.31	8	168	142	160	100	130.34*	130	47.2	230
8	427.07	6	445	430	366	259		341	489	
9	239.76	8	260	219	202	139	229.76	187	947*	270
10	187.31	8	187	179	146	118	125.73	140	77.2	200
11	179.82	8	188	199	167	119	479.74	157	153	200
12/ 13	382.12	8	358	308	336	197	336.66	247	161	370
14	209.79	8	192	172	185	110	98.4*	155	112	250
15	164.84	8	152	140	156	105	121.99*	128	146	150
16	239.76	5	344	278	243			219	316	
16/ 24	427.07	1								500
16/ 24/ 27	591.91	2				378	158.18			
17	187.31	8	198	185	150	122	174.31	142	220	200
18/ 30	644.36	8	625	668	466	340	508.12	418	603	520
19	239.76	8	298	258	263	168	268.78	207	284	320
20/ 21/ 28/ 33	756.74	2				440	690.5			
20/ 28	404.60	6	353	368	341			262	425	340
21/ 33	352.15	6	325	250	295			216	296	360
22	239.76	8	246	228	231	159	209	179	286	300

*** Indicates reported value does not meet one or more qualitative criteria and is not used in subsequent statistical analyses**
Note: A blank cell indicates PCB reported as coeluting with another PCB and reported elsewhere

Appendix B. Reported Reagent Water Results by Lab Group Code (Spike Level)
Lab Group Code=RW-D

PCB	Spike level (pg/L)	# labs	Lab 1	Lab 2	Lab 3	Lab 4	Lab 5	Lab 6	Lab 7	Lab 8
23	194.81	7	166	156	146	103		126	150	210
23/ 34	359.64	1					339.48			
24	187.31	5	179	184	148			131	119	
25	239.76	8	226	211	187	137	229.1	157	226	250
26/ 29	352.15	8	281	279	261	189	347.62	216	309	360
27	164.84	6	165	188	141			120	186	200
31	187.31	8	160	144	139	110	204.6	119	221	200
32	187.31	8	183	180	146	124	147.68	137	222	230
34	164.84	7	129	138	125	87		104	182	160
35	209.79	8	139	167	176	112	191.63	128	168	220
36	202.30	8	115	141	146	107	132.1	106	183	180
37	187.31	8	129	151	146	112	164.43	116	166	160
38	179.82	8	106	124	135	101	159.26	95	86.2	170
39	194.81	8	94.7	146	143	102	155.58	106	152	190
40/ 41/ 71	591.91	6	519		564	504	589.94	455		640
40/ 71	404.60	2		485					462	
41	187.31	2		194					204	
42	164.84	7	112	193	148	143		138	167	170
42/ 59/ 62/ 75	741.76	1					651.57			
43	217.28	6	195	218	175			187	235	160*
43/ 52/ 73	854.15	2				628	917.19			
44/ 47/ 65	584.42	8	376	611	482	441	532.38	405	602	510
45	187.31	1		209						
45/ 51	397.10	7	395		321	282	352.32	282	442	420
46	187.31	8	194	180	158	147	153.05	139	207	190

*** Indicates reported value does not meet one or more qualitative criteria and is not used in subsequent statistical analyses**
Note: A blank cell indicates PCB reported as coeluting with another PCB and reported elsewhere

Appendix B. Reported Reagent Water Results by Lab Group Code (Spike Level)
Lab Group Code=RW-D

PCB	Spike level (pg/L)	# labs	Lab 1	Lab 2	Lab 3	Lab 4	Lab 5	Lab 6	Lab 7	Lab 8
48	187.31	8	109	175	152	138	191.64	138	174	180
49/ 69	337.16	8	229	336	246	237	259.36	236	357	320
50/ 53	389.61	8	397	390	303	274	403.46	283	418	390
51	209.79	1		198						
52	427.07	6	359	535	345			340	511	400
54	209.79	8	177	219	197	143	174.78	176	210	200
55	217.28	7	152	207	191	114		144	188	190
55/ 66	457.04	1					466.89			
56	239.76	7	196	230	239	153		181	259	240
56/ 60	427.07	1					489.78			
57	179.82	8	116	131	134	90.6	250.88	114	171	160
58	217.28	7	136	186	183	113		129	192	210
58/ 67	457.04	1					471.83			
59/ 62/ 75	576.92	7	341	528	424	376		377	516	530
60	187.31	7	136	141	155	106		131	173	170
61/ 70/ 74/ 76	824.18	8	544	698	671	456	1005.78	512	753	710
63	172.33	8	110	114	125	80.9	170.25	101	156	150
64	172.33	8	158	154	144	133	145.49	138	187	160
66	239.76	7	175	217	190	142		148	262	150
67	239.76	7	162	204	179	119		146	201	200
68	194.81	8	115	157	135	87.7	207.32	102	157	160
72	202.30	8	135	157	132	92.8	228.27	115	182	200
73	209.79	6	138	221	175			140	196	200
77	172.33	8	128	148	136	111	160.62	112	131	130
78	202.30	8	159	157	156	107	181.39	121	191	170

*** Indicates reported value does not meet one or more qualitative criteria and is not used in subsequent statistical analyses**
Note: A blank cell indicates PCB reported as coeluting with another PCB and reported elsewhere

Appendix B. Reported Reagent Water Results by Lab Group Code (Spike Level)
Lab Group Code=RW-D

PCB	Spike level (pg/L)	# labs	Lab 1	Lab 2	Lab 3	Lab 4	Lab 5	Lab 6	Lab 7	Lab 8
79	202.30	8	151	149	146	107	170.64	120	183	180
80	194.81	8	121	137	123	89.3	179.22	99.7	151	150
81	209.79	8	161	162	163	129	197.59	122	148	150
82	239.76	8	206	237	208	201	251.25	193	247	240
83	187.31	3		145					188	200
83/ 99	427.07	3	330		338			294		
83/ 99/112	644.36	2				462	486.43			
84	187.31	8	158	179	163	162	146.08	149	218	200
85/116	367.13	1		306						
85/116/117	576.92	7	410		418	372	533.28	330	499	840
86/ 87/ 97/108/119/125	1,168.83	5	858	1050	911		871.5		1110	
86/ 87/ 97/109/119/125	1,138.86	3				818		769		1100
88	194.81	1		197						
88/ 91	367.13	7	291		289	280	332.21	262	368	340
89	202.30	8	168	198	166	168	157.56*	154	220	210
90/101/113	554.45	8	395	521	419	424	436.42	407	525	340
91	172.33	1		139						
92	164.84	8	120	168	123	125	137.59	122	170	160
93/ 95/ 98/100/102	944.06	1			731					
93/ 98/100/102	756.74	4	580			535	608.85	533		
93/100	374.63	3		340					337	320
94	194.81	8	160	204	164	146	154.46	146	190	200
95	187.31	7	150	199		195	397.47	171	244	200
96	202.30	8	279	209	154	129	117.06	153	207	200
98	202.30	1		169						

*** Indicates reported value does not meet one or more qualitative criteria and is not used in subsequent statistical analyses**
Note: A blank cell indicates PCB reported as coeluting with another PCB and reported elsewhere

Appendix B. Reported Reagent Water Results by Lab Group Code (Spike Level)
Lab Group Code=RW-D

PCB	Spike level (pg/L)	# labs	Lab 1	Lab 2	Lab 3	Lab 4	Lab 5	Lab 6	Lab 7	Lab 8
98/102	382.12	2							387	370
99	239.76	3		257					290	200
102	179.82	1		193						
103	187.31	8	135	156	128	136	205.17	125	194	170
104	172.33	8	202	169	167	141	153.72	137	167	150
105	164.84	8	133	136	128	118	129.94	115	154	110
106	202.30	7	164	158	137	119		118	197	170
106/107/123	576.92	1				288				
106/109/123	561.94	1					529.98			
107	202.30	2						115		150
107/124	412.09	5	320	331	295		388.78		368	
108/124	427.07	3				203		238		350
109	187.31	4	145	136	133				187	
110	239.76	1		243						
110/115	427.07	7	355		356	381	419.16	363	497	840
111	194.81	8	131	154	129	127	112.61	108	157	150
112	217.28	6	145	200	161			146	144	190
114	172.33	7	125	133	123	103		104	142	91
114/122	382.12	1					287.17			
115	187.31	1		142						
117	209.79	1		187						
118	352.15	8	240	274	252	217	249.46	220	298	210
120	217.28	8	138	178	136	135	171.54	118	171	160
121	194.81	7	129	156	123		134.93	121	155	160
122	209.79	7	175	174	158	113		137	213	180

** Indicates reported value does not meet one or more qualitative criteria and is not used in subsequent statistical analyses*
Note: A blank cell indicates PCB reported as coeluting with another PCB and reported elsewhere

Appendix B. Reported Reagent Water Results by Lab Group Code (Spike Level)
Lab Group Code=RW-D

PCB	Spike level (pg/L)	# labs	Lab 1	Lab 2	Lab 3	Lab 4	Lab 5	Lab 6	Lab 7	Lab 8
123	172.33	6	118	136	116			88.8	99.3	98
126	179.82	8	147	151	154	107	121.51	131	156	130
127	179.82	8	137	133	136	97.4	124	101	175	150
128/166	367.13	8	273	331	283	260	259.86	231	353	260
129/138/160/163	816.68	4	587		621	554	665.72			
129/138/163	621.88	4		545				482	700	410
130	209.79	7	156	181	152	139		137	192	190
130/137/164	569.43	1					435.44			
131	187.31	6	145	155	142			127	189	170
131/142	382.12	1					433.62			
132	187.31	8	150	161	157	153	130.52*	138	203	190
133	179.82	8	122	139	124	116	98.03*	110	179	150
134	164.84	2		218					179	
134/143	359.64	5	278		283	273		232		330
134/147/149	591.91	1					641.88			
135/151	352.15	5	327	349				283	367	350
135/151/154	561.94	3			393	262	531.27			
136	164.84	8	159	193	131	96.7	129.46	137	181	170
137	172.33	5	110	111	116			101	213	
137/164	359.64	2				223				260
139/140	374.63	8	256	301	251	235	281.13	214	327	290
141	187.31	7	129	148	132	135		124	131	160
141/153/168	1,146.35	1					910.44			
142	194.81	7	142	172	137	130		144	179	170
143	194.81	3		160			198.96		177	

*** Indicates reported value does not meet one or more qualitative criteria and is not used in subsequent statistical analyses**
Note: A blank cell indicates PCB reported as coeluting with another PCB and reported elsewhere

Appendix B. Reported Reagent Water Results by Lab Group Code (Spike Level)
Lab Group Code=RW-D

PCB	Spike level (pg/L)	# labs	Lab 1	Lab 2	Lab 3	Lab 4	Lab 5	Lab 6	Lab 7	Lab 8
144	164.84	8	141	158	117	77.9	417.96	107	162	150
145	179.82	8	176	167	145	97.2	107.73	129	174	170
146	239.76	6	178	223	164			163	258	190
146/161	419.58	2				269	267.72			
147/149	427.07	7	315	410	309	315		298	432	400
148	194.81	8	172	170	128	93.3	123.39	123	173	160
150	194.81	7	185	193	146	95.3		143	180	190
150/152	397.10	1					266.63			
152	202.30	7	194	205	161	103		156	211	210
153/168	959.04	7	582	748	619	568		587	833	580
154	209.79	5	154	166				116	156	150
155	194.81	8	157	162	145	98.8	166.08	130	158	150
156/157	337.16	8	251	288	274	198	193.46	238	279	190
158	164.84	8	111	150	120	116	101.67	112	155	130
159	217.28	8	139	192	149	128	255.16	115	185	160
160	194.81	4		168				124	148	160
161	179.82	6	122	125	117			97	128	140
162	194.81	8	141	158	142	98.8	173.18	107	176	160
164	187.31	5	143	146	146			127	107	
165	209.79	8	150	176	143	126	122.86	114	181	170
167	172.33	8	127	139	131	98.6	125.49	115	144	91
169	179.82	8	141	172	171	128	130.89	135	163	140
170	187.31	8	147	145	151	142	128.64	139	187	95
171/173	427.07	7	328	370	318	285		268	375	320
171/173/181	606.89	1					589.52			

*** Indicates reported value does not meet one or more qualitative criteria and is not used in subsequent statistical analyses**
Note: A blank cell indicates PCB reported as coeluting with another PCB and reported elsewhere

Appendix B. Reported Reagent Water Results by Lab Group Code (Spike Level)
Lab Group Code=RW-D

PCB	Spike level (pg/L)	# labs	Lab 1	Lab 2	Lab 3	Lab 4	Lab 5	Lab 6	Lab 7	Lab 8
172	187.31	8	131	139	137	122	153.19	110	180	150
174	239.76	6	228	250	208			174	238	210
174/183/185	599.40	2				475	1068.79			
175	209.79	8	169	176	140	158	595.12	119	177	160
176	172.33	8	142	133	132	128	216.81	121	168	150
177	239.76	8	183	234	189	170	238.59	166	262	190
178	187.31	8	149	158	134	145	640.14	125	184	170
179	239.76	8	219	272	190	188	254.44	182	253	220
180/193	427.07	8	336	371	326	294	431.85	309	413	280
181	179.82	7	124	129	121	117		91	153	120
182	202.30	7	153	157	140	141		117	161	150
182/187	442.06	1					468.61			
183	187.31	2		133				123		
183/185	359.64	4	214		247				305	260
184	202.30	8	134	159	110	116	143.26	84.2	133	120
185	172.33	2		139				91		
186	217.28	8	174	223	166	175	303.07	149	188	190
187	239.76	7	211	241	180	194		156	218	160
188	194.81	8	141	166	141	114	114.58*	106	141	140
189	172.33	8	138	145	143	127	128.86	110	134	120
190	164.84	8	123	149	134	118	91.21	110	185	140
191	164.84	8	124	155	127	106	113.82	108	166	130
192	217.28	8	148	193	159	143	163.54	117	184	160
194	239.76	8	202	248	209	131	172.51	179	245	160
195	239.76	8	208	240	191	123	167.89	173	228	100

*** Indicates reported value does not meet one or more qualitative criteria and is not used in subsequent statistical analyses**
Note: A blank cell indicates PCB reported as coeluting with another PCB and reported elsewhere

Appendix B. Reported Reagent Water Results by Lab Group Code (Spike Level)
Lab Group Code=RW-D

PCB	Spike level (pg/L)	# labs	Lab 1	Lab 2	Lab 3	Lab 4	Lab 5	Lab 6	Lab 7	Lab 8
196	187.31	7	126	139	130	106		117	191	120
196/203	427.07	1					319.93			
197	187.31	3		126				81.2		81
197/200	397.10	5	269		255	217	304.59		287	
198/199	457.04	8	346	427	330	310	364.88	281	391	330
200	209.79	3		189				130		170
201	209.79	8	135	171	128	101	207.62	111	161	130
202	209.79	8	147	167	158	106	128.02*	115	146	120
203	239.76	7	183	212	172	141		142	177	160
204	202.30	8	121	140	104	98.3	158.09	87.1	138	95
205	187.31	8	144	171	157	115	130.85	121	169	130
206	239.76	8	194	213	191	148	208.43	165	187	110
207	164.84	8	91.6	117	101	79.9	103.87	80.4	136	74
208	164.84	8	101	121	118	86.3	94.75	85.4	110	64
209	164.84	8	107	121	107	84	88.46	93	119	46

** Indicates reported value does not meet one or more qualitative criteria and is not used in subsequent statistical analyses*
Note: A blank cell indicates PCB reported as coeluting with another PCB and reported elsewhere

Appendix B. Reported Reagent Water Results by Lab Group Code (Spike Level)
Lab Group Code=RW-E

PCB	Spike level (pg/L)	# labs	Lab 1	Lab 1	Lab 2	Lab 2	Lab 3	Lab 3	Lab 4	Lab 4	Lab 5	Lab 5	Lab 6	Lab 6	Lab 7	Lab 7	Lab 8	Lab 8
1	479.52	8	544	582	422	527	528	507	428	485	613.04	572.08	469	435	507*	501	510	370
2	479.52	8	499	519	480	511	495	541	374	439	733.07	712.66	479	428	559	600	580	560
3	479.52	8	504	522	445	496	517	506	389	451	670.99	649.06	446	416	470*	468	470	450
4	854.15	8	876	976	890	904	963	875	761	778	1134.23	1070.34	953	846	938*	903	1000	590
5	374.63	6	347	342	329	323	375	379	233	233			370	381	465*	449*		
5/ 8	1,228.77	2									3477.92	3153.92					1000	790
6	479.52	8	517	519	500	495	463	466	309	318	457.43	423.08	455	420	534	506	630	460
7	374.63	8	333	331	306	300	336	340	223	220	314.7	276.65	301	298	346	239	470	300
8	854.15	6	810	867	902	861	801	789	551	585			687	645	948*	958		
9	479.52	8	493	490	464	479	441	446	296	303	506.23	488.8	434	421	1040*	1020*	510	420
10	374.63	8	358	391	367	357	325	320	222	223	262.83	239.46	310	328	397	283	420	250
11	359.64	8	352	314	403	330	356	375	243	284	717.36	669.39	304	288	401	361	410	370
12/ 13	764.24	8	673	631	638	664	740	771	464	519	885.84	813.53	567	499	710*	519	760	710
14	419.58	8	399	374	363	359	405	421	222	271	374.1	325.45	364	327	463*	364	500	430
15	329.67	8	313	275	289	310	373	347	239	272	414.75	391.28	250	280	302	303*	320	300
16	479.52	5	518	689	613	613	488	489					601	534	600	578		
16/ 24	854.15	1															990	860
16/ 24/ 27	1,183.82	2							800	723	353.77	321.86						
17	374.63	8	337	400	354	354	312	312	242	247	353.92	316.09	308	281	433	413	410	350
18/ 30	1,288.71	8	1130	1360	1340	1280	952	928	743	711	1066.26	964.42	1010	870	1290	1250	1000	830
19	479.52	8	526	612	518	514	581	537	366	397	585.12	544.88	526	452	542	545	690	440
20/ 21/ 28/ 33	1,513.49	2							954	989	1603.65	1463.86						
20/ 28	809.19	6	668	676	809	806	729	728					605	568	853	842	660	650
21/ 33	704.30	6	589	610	580	580	617	624					520	508	737	661	720	710
22	479.52	8	454	490	461	494	486	502	337	356	507.74	457.72	415	369	538	543	560	560

*** Indicates reported value does not meet one or more qualitative criteria and is not used in subsequent statistical analyses**
Note: A blank cell indicates PCB reported as coeluting with another PCB and reported elsewhere

Appendix B. Reported Reagent Water Results by Lab Group Code (Spike Level)
Lab Group Code=RW-E

PCB	Spike level (pg/L)	# labs	Lab 1	Lab 1	Lab 2	Lab 2	Lab 3	Lab 3	Lab 4	Lab 4	Lab 5	Lab 5	Lab 6	Lab 6	Lab 7	Lab 7	Lab 8	Lab 8
23	389.61	7	292	315	356	342	316	308	218	234			272	263	316*	340	430	410
23/ 34	719.28	1									776.38	733.92						
24	374.63	5	326	368	347	351	318	297					289	285	359	281		
25	479.52	8	426	433	473	450	400	403	284	295	521.17	438.71	374	359	471	454	490	430
26/ 29	704.30	8	526	539	628	615	560	558	406	433	785.52	821.88	506	450	728	670	710	690
27	329.67	6	302	363	374	383	279	267					293	257	367	364*	390	290
31	374.63	8	302	305	295	298	301	300	235	256	443.77	423.66	266	262	431	427	390	380
32	374.63	8	334	403	361	356	315	299	271	248	312.15	289.2	314	276	390*	420	430	380
34	329.67	7	247	249	301	308	260	256	189	198			252	217	359*	362	330	290
35	419.58	8	293	329	377	382	376	411	253	277	413.72	397.32	306	247	433	369	420	450
36	404.60	8	256	291	312	312	315	334	234	254	306.18	281.67	258	224	161*	358	350	390
37	374.63	8	272	276	333	339	336	320	246	253	336.74	334.33	242	223	345	318	310	350
38	359.64	8	240	308	280	287	312	308	223	247	336.11	324.49	239	213	303	237	330	370
39	389.61	8	255	287	322	318	313	332	224	249	347.36	320.59	263	226	249*	302	360	390
40/ 41/ 71	1,183.82	6	1250	1180			1160	1140	1080	945	1112.82	826.36	1070	1010			1500	1300
40/ 71	809.19	2			987	921									1020	921		
41	374.63	2			391	301									471	459		
42	329.67	7	273	323	360	342	299	288	282	244			319	273	386	349	370	310
42/ 59/ 62/ 75	1,483.52	1									1248.53	1084.83						
43	434.57	6	493	401	450	453	373	357					410	316	520*	483	380	390
43/ 52/ 73	1,708.29	2							1320	1150	1782.04	1863.5						
44/ 47/ 65	1,168.83	8	1020	1050	1210	1090	995	908	955	820	1033.74	971.48	945	813	1200	1170	1100	940
45	374.63	1			409	328												
45/ 51	794.21	7	800	849			647	567	629	525	704.01	780.12	655	568	924	865	950	730
46	374.63	8	382	414	359	339	321	282	324	276	305.77	230.18	318	293	403*	405	440	340

*** Indicates reported value does not meet one or more qualitative criteria and is not used in subsequent statistical analyses**
Note: A blank cell indicates PCB reported as coeluting with another PCB and reported elsewhere

Appendix B. Reported Reagent Water Results by Lab Group Code (Spike Level)
Lab Group Code=RW-E

PCB	Spike level (pg/L)	# labs	Lab 1	Lab 1	Lab 2	Lab 2	Lab 3	Lab 3	Lab 4	Lab 4	Lab 5	Lab 5	Lab 6	Lab 6	Lab 7	Lab 7	Lab 8	Lab 8
48	374.63	8	373	345	351	307	311	295	298	267	360.14	346.94	314	272	275*	349	420	370
49/ 69	674.33	8	549	506	661	571	520	493	514	443	525.93	482.98	557	491	663*	753	750	630
50/ 53	779.22	8	805	802	796	711	618	535	588	481	776.4	816.61	653	570	892	831	940	720
51	419.58	1			385	414												
52	854.15	6	907	783	1000	868	698	647					819	713	1020	966	1000	790
54	419.58	8	416	417	435	423	442	396	342	354	398.8	365.46	507	398	404*	414	470	310
55	434.57	7	316	307	438	428	376	411	247	273			309	269	429	378	450	420
55/ 66	914.09	1									1071.18	1028.4						
56	479.52	7	413	402	461	480	465	507	325	354			415	370	569	515	530	500
56/ 60	854.15	1									740.51	966.42						
57	359.64	8	245	245	283	275	268	270	196	210	475.76	536.98	248	224	389	342	350	320
58	434.57	7	302	283	405	411	353	357	254	261			312	279	430	379	460	420
58/ 67	914.09	1									1100.99	848.85						
59/ 62/ 75	1,153.85	7	994	1040	1110	972	906	851	818	734			878	759	1190	1090	1200	1100
60	374.63	7	270	270	294	294	325	354	233	255			290	255	391	333	390	380
61/ 70/ 74/ 76	1,648.35	8	1190	1160	1430	1440	1340	1350	1000	1030	2055	2232.82	1180	1090	1760	1540	1500	1600
63	344.66	8	231	231	246	250	257	254	173	183	381.14	424.94	235	207	380	331	330	310
64	344.66	8	342	296	297	274	299	294	270	241	204.06	134.34	288	271	419	371	350	320
66	479.52	7	379	359	458	432	390	423	319	317			360	333	559	509	330	320
67	479.52	7	348	351	443	438	378	379	262	281			334	285	455	416	430	410
68	389.61	8	260	254	339	320	281	281	204	206	408.28	388.51	266	229	348	339	360	340
72	404.60	8	297	269	339	330	286	280	209	205	468.75	520.9	285	245	412	365	430	410
73	419.58	6	316	314	462	396	348	320					320	276	407	362	470	410
77	344.66	8	261	246	316	338	306	302	243	267	312.56	269.48	256	234	271*	262	290	290
78	404.60	8	311	304	336	352	363	384	240	267	388.02	331.27	308	262	448	393	390	370

*** Indicates reported value does not meet one or more qualitative criteria and is not used in subsequent statistical analyses**
Note: A blank cell indicates PCB reported as coeluting with another PCB and reported elsewhere

Appendix B. Reported Reagent Water Results by Lab Group Code (Spike Level)
Lab Group Code=RW-E

PCB	Spike level (pg/L)	# labs	Lab 1	Lab 1	Lab 2	Lab 2	Lab 3	Lab 3	Lab 4	Lab 4	Lab 5	Lab 5	Lab 6	Lab 6	Lab 7	Lab 7	Lab 8	Lab 8
79	404.60	8	312	296	335	322	344	347	237	267	367.08	317.19	283	253	424	378	400	380
80	389.61	8	246	244	301	301	253	280	198	213	366.22	319.11	232	203	357	323	320	320
81	419.58	8	324	305	353	370	367	359	295	328	412.84	347.46	288	254	342	305	350	340
82	479.52	8	453	464	499	493	453	458	447	483	305.34	304.25	416	376	531	504	520	480
83	374.63	3			313	344									408	376	490	400
83/ 99	854.15	3	756	750			713	694					691	604				
83/ 99/112	1,288.71	2							955	1020	1059.49	943.03						
84	374.63	8	334	353	365	359	334	313	354	324	276.59	313.52	353	289	418	415	420	390
85/116	734.27	1			575	615												
85/116/117	1,153.85	7	943	950			926	894	843	855	872.61	665.87	723	659	1150	1070	1900	1800
86/ 87/ 97/108/119/125	2,337.66	5	1910	1970	2190	2210	1980	1890			1869.71	1651.46			2430	2270		
86/ 87/ 97/109/119/125	2,277.72	3							1860	1910			1840	1620			2300	2100
88	389.61	1			424	415												
88/ 91	734.27	7	604	633			605	536	586	586	817.4	721.3	575	520	769	747	780	690
89	404.60	8	361	380	429	400	359	337	333	335	401.18	367.03	355	319	454	425	450	400
90/101/113	1,108.89	8	901	926	1070	1040	888	838	882	894	928.9	848.71	888	762	1150	1100	740	680
91	344.66	1			300	278												
92	329.67	8	270	279	353	326	254	251	270	264	297.67	267.31	292	233	363	349	360	320
93/ 95/ 98/100/102	1,888.11	1					1560	1370										
93/ 98/100/102	1,513.49	4	1240	1310					1160	1100	1241.68	893.1	1270	1070				
93/100	749.25	3			785	754									720	704	760	600
94	389.61	8	337	358	432	412	334	304	320	302	282.07	285.69	335	296	390	396	440	370
95	374.63	7	324	323	384	351			386	361	880.37	779.99	347	310	469	448	440	390
96	404.60	8	455	451	438	412	297	258	291	253	253.12	228.91	347	300	429	418	470	370
98	404.60	1			375	430												

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Note: A blank cell indicates PCB reported as coeluting with another PCB and reported elsewhere

Appendix B. Reported Reagent Water Results by Lab Group Code (Spike Level)
Lab Group Code=RW-E

PCB	Spike level (pg/L)	# labs	Lab 1	Lab 1	Lab 2	Lab 2	Lab 3	Lab 3	Lab 4	Lab 4	Lab 5	Lab 5	Lab 6	Lab 6	Lab 7	Lab 7	Lab 8	Lab 8
98/102	764.24	2													831	829	790	720
99	479.52	3			510	379									516	486	400	410
102	359.64	1			366	286												
103	374.63	8	298	300	345	324	272	244	295	270	456.7	423.46	318	263	379	380	380	330
104	344.66	8	340	337	346	330	385	341	281	284	367.4	338.74	442	301	348*	336	340	270
105	329.67	8	258	253	298	311	314	296	257	281	306.69	218.63	244	226	300	300	250	250
106	404.60	7	324	340	342	363	349	348	281	320			309	260	362	396	350	360
106/107/123	1,153.85	1							670	747								
106/109/123	1,123.88	1									1237.12	1115.5						
107	404.60	2											263	208			340	330
107/124	824.18	5	626	622	692	706	681	718			914.75	785.24			803	770		
108/124	854.15	3							474	524			588	497			770	760
109	374.63	4	302	296	282	288	305	332							409	382		
110	479.52	1			486	557												
110/115	854.15	7	758	796			761	750	808	835	563.07	582.11	827	755	998	949	1900	1800
111	389.61	8	292	302	311	324	289	286	287	310	258.54	226.21	231	212	276*	328	350	330
112	434.57	6	319	366	463	478	354	335					337	301	424	362	440	370
114	344.66	7	237	262	287	291	295	278	240	257			232	232	281	269	200	200
114/122	764.24	1									651.41	571.93						
115	374.63	1			306	267												
117	419.58	1			475	392												
118	704.30	8	495	501	575	591	619	568	490	546	505.29	550.99	501	462	612	576	460	450
120	434.57	8	304	325	380	376	297	304	285	312	363.69	328.91	255	230	399	372	350	340
121	389.61	7	286	301	341	333	272	255			285.24	269.53	257	222	347	326	350	320
122	419.58	7	336	333	378	371	365	394	246	290			320	288	441	438	390	390

*** Indicates reported value does not meet one or more qualitative criteria and is not used in subsequent statistical analyses**
Note: A blank cell indicates PCB reported as coeluting with another PCB and reported elsewhere

Appendix B. Reported Reagent Water Results by Lab Group Code (Spike Level)
Lab Group Code=RW-E

PCB	Spike level (pg/L)	# labs	Lab 1	Lab 1	Lab 2	Lab 2	Lab 3	Lab 3	Lab 4	Lab 4	Lab 5	Lab 5	Lab 6	Lab 6	Lab 7	Lab 7	Lab 8	Lab 8
123	344.66	6	230	227	294	275	294	276					207	209	303	244	220	220
126	359.64	8	315	295	328	362	352	312	271	295	295.3	225.39	274	254	333	308	300	290
127	359.64	8	277	265	291	293	322	329	234	267	313.28	233.43	251	224	378	353	340	320
128/166	734.27	8	566	616	676	714	635	663	582	699	548.78	438.62	514	463	745	693	610	610
129/138/160/163	1,633.37	4	1280	1390			1390	1430	1240	1430	1380.14	1106.96						
129/138/163	1,243.76	4			1080	1100							964	930	1450	1440	930	920
130	419.58	7	333	355	393	379	342	354	307	355			304	278	411	398	420	400
130/137/164	1,138.86	1									675.79	714.14						
131	374.63	6	283	323	317	312	322	305					297	276	411	404	360	340
131/142	764.24	1									769.27	720.95						
132	374.63	8	299	325	326	338	353	351	337	352	250.94	309.71	332	299	399	383	430	400
133	359.64	8	270	297	292	285	280	269	266	307	221.68	210.84	252	229	351	330	360	340
134	329.67	2			435	361									377	419		
134/143	719.28	5	566	635			615	607	596	628			587	547			740	700
134/147/149	1,183.82	1									1053.79	968.39						
135/151	704.30	5	621	621	688	651							590	536	397*	764	800	710
135/151/154	1,123.88	3					852	823	619	746	941.18	975.3						
136	329.67	8	307	304	377	373	273	244	238	250	249.07	251.6	295	257	384	354	390	340
137	344.66	5	251	253	237	189	257	280					208	179	415	422		
137/164	719.28	2							536	594							590	560
139/140	749.25	8	569	597	630	620	569	552	515	569	468.57	442.75	460	428	690	651	660	630
141	374.63	7	266	286	302	295	309	314	288	302			271	234	272	279	360	330
141/153/168	2,292.71	1									1712.49	1666.69						
142	389.61	7	298	325	355	364	312	303	297	328			287	260	366	331	410	370
143	389.61	3			337	369					298.66	295.31			388	305		

*** Indicates reported value does not meet one or more qualitative criteria and is not used in subsequent statistical analyses**
Note: A blank cell indicates PCB reported as coeluting with another PCB and reported elsewhere

Appendix B. Reported Reagent Water Results by Lab Group Code (Spike Level)
Lab Group Code=RW-E

PCB	Spike level (pg/L)	# labs	Lab 1	Lab 1	Lab 2	Lab 2	Lab 3	Lab 3	Lab 4	Lab 4	Lab 5	Lab 5	Lab 6	Lab 6	Lab 7	Lab 7	Lab 8	Lab 8
144	329.67	8	283	271	330	316	247	250	178	216	608.96	773.54	246	223	355	328	340	320
145	359.64	8	325	324	326	325	294	263	227	233	190.58	172.14	303	260	356	353	400	340
146	479.52	6	376	402	465	459	376	381					322	301	524	545	440	430
146/161	839.16	2							612	681	566.4	534.61						
147/149	854.15	7	705	750	796	755	708	692	679	538			691	633	919	838	920	830
148	389.61	8	315	325	355	341	276	254	220	238	241.07	232.68	266	242	383	359	370	330
150	389.61	7	335	340	379	373	309	273	233	241			324	266	382	386	410	370
150/152	794.21	1									471.4	497.7						
152	404.60	7	365	371	399	410	334	289	240	252			360	290	440	411	480	400
153/168	1,918.08	7	1300	1370	1510	1520	1440	1420	1290	1440			1250	1130	1850	1710	1400	1300
154	419.58	5	321	319	362	348							253	215	334	352	340	330
155	389.61	8	306	313	333	338	350	320	234	270	437.05	376.15	401	299	335	335	330	280
156/157	674.33	8	524	532	601	610	630	594	461	492	426.04	382.82	510	452	601	550	430	430
158	329.67	8	239	255	307	305	268	283	253	281	196.97	168.83	228	211	229*	304	310	310
159	434.57	8	316	316	410	424	350	359	297	332	601.03	460.66	295	240	387	379	370	360
160	389.61	4			344	336							259	241	294	270	360	340
161	359.64	6	260	262	268	263	266	256					244	219	261	258	340	320
162	389.61	8	299	302	338	355	327	352	234	120	361.37	343.12	285	235	364	347	370	350
164	374.63	5	293	328	314	342	339	348					304	276	264	244		
165	419.58	8	319	336	380	366	318	319	309	346	277.83	233.65	279	264	380	364	400	370
167	344.66	8	253	252	289	311	316	298	236	259	266.88	231.7	252	219	302	281	220	210
169	359.64	8	301	300	338	363	376	352	288	316	284.25	238.78	298	278	334	308	320	320
170	374.63	8	282	283	294	293	326	382	293	286	324.46	295.34	290	253	400	389	200	220
171/173	854.15	7	686	687	687	708	716	848	672	662			563	555	855	843	690	730
171/173/181	1,213.79	1									1335.23	1292.24						

*** Indicates reported value does not meet one or more qualitative criteria and is not used in subsequent statistical analyses**
Note: A blank cell indicates PCB reported as coeluting with another PCB and reported elsewhere

Appendix B. Reported Reagent Water Results by Lab Group Code (Spike Level)
Lab Group Code=RW-E

PCB	Spike level (pg/L)	# labs	Lab 1	Lab 1	Lab 2	Lab 2	Lab 3	Lab 3	Lab 4	Lab 4	Lab 5	Lab 5	Lab 6	Lab 6	Lab 7	Lab 7	Lab 8	Lab 8
172	374.63	8	279	279	262	280	302	365	290	287	424.13	337.18	236	231	377	379	320	330
174	479.52	6	449	449	501	489	436	519					378	372	471	510	430	430
174/183/185	1,198.80	2							1060	1150	2325.47	*						
175	419.58	8	322	358	328	352	303	355	341	368	1456.17	1176.89	257	243	401	374	370	370
176	344.66	8	277	299	254	264	272	310	272	296	454.24	413.23	247	225	364	339	330	320
177	479.52	8	410	424	426	455	419	489	390	394	519.88	476.28	341	329	514	540	440	450
178	374.63	8	285	304	289	303	287	342	337	358	1358.58	1181.69	265	234	245*	376	370	360
179	479.52	8	436	481	511	495	391	445	426	442	508.15	509.3	361	332	542	511	500	480
180/193	854.15	8	691	678	706	693	721	867	676	665	858.4	846.01	638	586	873	845	660	660
181	359.64	7	247	255	243	248	272	324	260	252			208	204	308	291	270	280
182	404.60	7	309	331	306	294	302	348	312	340			223	225	377	369	340	350
182/187	884.12	1									937.93	1537.96						
183	374.63	2			240	249							236	225				
183/185	719.28	4	517	482			554	641							737	580	600	620
184	404.60	8	289	310	311	324	244	267	267	290	306.78	280.91	191	183	284	289	280	280
185	344.66	2			235	240							194	194				
186	434.57	8	360	380	434	431	360	417	368	394	655.6	581.48	312	264	403	388	410	410
187	479.52	7	407	449	419	414	374	463	442	468			309	304	446	427	360	360
188	389.61	8	289	307	327	305	331	324	259	285	289.34	269.91*	264	252	314	309	310	300
189	344.66	8	284	273	293	332	317	314	290	298	287.56	268.57	255	232	242	207	260	280
190	329.67	8	252	240	300	325	295	342	264	268	229.46	198.17	247	252	375	367	310	320
191	329.67	8	255	257	301	315	279	336	247	238	280.3	267.29	221	225	351	345	290	300
192	434.57	8	312	298	390	381	334	422	311	304	387.15	379.82	259	254	398	394	370	360
194	479.52	8	397	398	509	492	461	432	307	328	316.3	312.97	452	357	510	474	340	380
195	479.52	8	436	419	489	465	440	434	293	303	368.45	374.65	396	348	468	463	220	260

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Note: A blank cell indicates PCB reported as coeluting with another PCB and reported elsewhere

Appendix B. Reported Reagent Water Results by Lab Group Code (Spike Level)
Lab Group Code=RW-E

PCB	Spike level (pg/L)	# labs	Lab 1	Lab 1	Lab 2	Lab 2	Lab 3	Lab 3	Lab 4	Lab 4	Lab 5	Lab 5	Lab 6	Lab 6	Lab 7	Lab 7	Lab 8	Lab 8
196	374.63	7	294	266	283	289	274	328	247	272			232	232	378	355	270	320
196/203	854.15	1									1025.91	1063.96						
197	374.63	3			200	249							159	158			170	200
197/200	794.21	5	587	562			563	670	457	569	614.7	657.98			684	614		
198/199	914.09	8	767	723	851	894	706	841	655	752	708.08	691.78	553	545	811	793	730	780
200	419.58	3			445	376							265	262			310	390
201	419.58	8	300	286	342	337	284	335	224	283	422.58	427.03	225	217	353	353	250	290
202	419.58	8	328	313	315	314	363	338	237	268	275.42	273.26*	288	264	307	292	230	260
203	479.52	7	419	381	420	464	367	448	301	349			289	284	404	387	340	400
204	404.60	8	266	255	293	284	240	285	229	297	374.45	338.99	179	175	310	294	190	250
205	374.63	8	257	285	333	353	342	333	262	294	270.73	268.7	283	235	334	318	290	310
206	479.52	8	410	401	428	453	442	436	359	431	378.01	380.25	351	292	377	366	230	290
207	329.67	8	222	222	241	251	255	247	175	252	211.57	210.59	205	176	261	274	130	190
208	329.67	8	238	227	241	263	292	270	187	244	193.93	194.63	203	171	234	225	120	160
209	329.67	8	225	220	242	244	273	263	201	273	194.65	202.04	232	452	208	208	69	120

** Indicates reported value does not meet one or more qualitative criteria and is not used in subsequent statistical analyses*
Note: A blank cell indicates PCB reported as coeluting with another PCB and reported elsewhere

Appendix B. Reported Reagent Water Results by Lab Group Code (Spike Level)
Lab Group Code=RW-F

PCB	Spike level (pg/L)	# labs	Lab 1	Lab 2	Lab 3	Lab 4	Lab 5	Lab 6	Lab 7	Lab 8
1	959.04	8	1090	1040	1080	872	1169.5	893	991	1000
2	959.04	8	976	1050	1030	790	1463.73	899	1230	1200
3	959.04	8	976	1010	1070	845	1284.7	880	935	960
4	1,708.29	8	1650	1820	1950	1470	2192.08	1750	1840	2000
5	749.25	6	688	679	757	488		603	682	
5/ 8	2,457.54	2					6092.6			2000
6	959.04	8	1050	1000	948	621	848.45	840	1040	1200
7	749.25	8	691	587	680	450	555.29	571	1220*	870
8	1,708.29	6	1780	1720	1630	1150		1450	1910	
9	959.04	8	1040	932	886	616	974.26	797	1470*	1100
10	749.25	8	695	718	642	464	526.49	567	681	800
11	719.28	8	697	633	726	497	1095.46	564	721	810
12/ 13	1,528.47	8	1320	1310	1540	1000	1654.54	1030	1160*	1500
14	839.16	8	770	715	823	500	681.3	709	851	970
15	659.34	8	588	623	764	487	763.18	491	593	590
16	959.04	5	1170	1310	965			977	1210	
16/ 24	1,708.29	1								1900
16/ 24/ 27	2,367.63	2				1380	723.59			
17	749.25	8	709	720	580	463	674.54	601	840*	800
18/ 30	2,577.42	8	2410	2620	1780	1360	2055.99	1830	2630	2100
19	959.04	8	1020	1050	1210	838	1132.63	917	1090	1300
20/ 21/ 28/ 33	3,026.97	2				1990	2929.61			
20/ 28	1,618.38	6	1380	1680	1460			1170	1660	1300
21/ 33	1,408.59	6	1250	1240	1280			1050	1420	1500
22	959.04	8	962	1030	1020	690	932.83	814	1090	1100

*** Indicates reported value does not meet one or more qualitative criteria and is not used in subsequent statistical analyses**
Note: A blank cell indicates PCB reported as coeluting with another PCB and reported elsewhere

Appendix B. Reported Reagent Water Results by Lab Group Code (Spike Level)
Lab Group Code=RW-F

PCB	Spike level (pg/L)	# labs	Lab 1	Lab 2	Lab 3	Lab 4	Lab 5	Lab 6	Lab 7	Lab 8
23	779.22	7	661	729	616	476		569	741	830
23/ 34	1,438.56	1					1588			
24	749.25	5	698	695	577			635	610	
25	959.04	8	883	969	808	614	989.52	727	939	940
26/ 29	1,408.59	8	1140	1310	1100	880	1696.31	1000	1410	1400
27	659.34	6	628	761	546			510	740*	790
31	749.25	8	626	637	595	485	835.34	551	839	780
32	749.25	8	712	756	607	466	624.17	605	847	850
34	659.34	7	538	659	507	399		474	730	660
35	839.16	8	768	792	841	538	879.34	587	737	800
36	809.19	8	494	702	656	503	652.06	504	721	700
37	749.25	8	633	727	701	484	730.48	508	663	610
38	719.28	8	622	614	656	472	731.66	457	561	660
39	779.22	8	443	671	638	475	731.96	490	658	700
40/ 41/ 71	2,367.63	6	2570		2280	1870	3031.59	2080		2800
40/ 71	1,618.38	2		1840					1930	
41	749.25	2		685					849	
42	659.34	7	648	680	586	520		607	736	710
42/ 59/ 62/ 75	2,967.03	1					655.4			
43	869.13	6	876	1040	661			812	1060	750
43/ 52/ 73	3,416.58	2				2410	2499.65			
44/ 47/ 65	2,337.66	8	2310	2280	1840	1640	2300.14	1820	2390	2100
45	749.25	1		732						
45/ 51	1,588.41	7	1520		1150	1140	1551.6	1260	1820	1800
46	749.25	8	754	682	577	577	658.37	597	841	840

*** Indicates reported value does not meet one or more qualitative criteria and is not used in subsequent statistical analyses**
Note: A blank cell indicates PCB reported as coeluting with another PCB and reported elsewhere

Appendix B. Reported Reagent Water Results by Lab Group Code (Spike Level)
Lab Group Code=RW-F

PCB	Spike level (pg/L)	# labs	Lab 1	Lab 2	Lab 3	Lab 4	Lab 5	Lab 6	Lab 7	Lab 8
48	749.25	8	666	639	569	530	860.13	577	799	810
49/ 69	1,348.65	8	1030	1230	942	945	2364.17	1060	1570	1400
50/ 53	1,558.44	8	1560	1490	1080	1070	1760.85	1220	1760	1700
51	839.16	1		781						
52	1,708.29	6	1900	1890	1260			1590	2090	1900
54	839.16	8	818	867	889	661	793.93	797	863	870
55	869.13	7	633	864	806	541		592	824	890
55/ 66	1,828.17	1					2261.62			
56	959.04	7	838	993	1010	672		777	1040	1000
56/ 60	1,708.29	1					2106.18			
57	719.28	8	522	586	551	435	1118.58	498	705	640
58	869.13	7	616	878	737	539		566	812	880
58/ 67	1,828.17	1					2367.03			
59/ 62/ 75	2,307.69	7	2170	2050	1650	1440		1620	2380	2300
60	749.25	7	563	635	683	493		534	690	730
61/ 70/ 74/ 76	3,296.70	8	2400	2970	2700	2050	4296.44	2290	3280	3000
63	689.31	8	472	504	493	379	774.63	452	706	620
64	689.31	8	705	566	573	460	628.98	568	769	680
66	959.04	7	748	919	820	622		663	1020	590
67	959.04	7	722	928	766	574		638	871	820
68	779.22	8	503	641	547	432	918.36	475	663	670
72	809.19	8	587	688	550	454	1056.99	522	776	830
73	839.16	6	801	769	661			520	798	900
77	689.31	8	502	700	628	504	631.02	447	553	560
78	809.19	8	612	715	783	515	775.9	520	799	730

*** Indicates reported value does not meet one or more qualitative criteria and is not used in subsequent statistical analyses**
Note: A blank cell indicates PCB reported as coeluting with another PCB and reported elsewhere

Appendix B. Reported Reagent Water Results by Lab Group Code (Spike Level)
Lab Group Code=RW-F

PCB	Spike level (pg/L)	# labs	Lab 1	Lab 2	Lab 3	Lab 4	Lab 5	Lab 6	Lab 7	Lab 8
79	809.19	8	600	700	717	506	741.63	529	759	750
80	779.22	8	489	628	532	435	779.78	441	654	600
81	839.16	8	626	776	764	616	844.84	537	652	650
82	959.04	8	876	1040	929	761	384.49	764	1030	1000
83	749.25	3		663					835	940
83/ 99	1,708.29	3	1490		1350			1190		
83/ 99/112	2,577.42	2				1770	2164.82			
84	749.25	8	689	715	656	573	593.37	599	811	830
85/116	1,468.53	1		1200						
85/116/117	2,307.69	7	1840		1760	1500	1330.16	1390	2160	3700
86/ 87/ 97/108/119/125	4,675.32	5	3850	4530	3890		3363.39		4490	
86/ 87/ 97/109/119/125	4,555.44	3				3230		3300		4400
88	779.22	1		769						
88/ 91	1,468.53	7	1260		1140	1060	1732.7	1080	1520	1500
89	809.19	8	760	829	695	618	834.15	664	887	920
90/101/113	2,217.78	8	1780	2160	1740	1440	1867.95	1560	2120	1500
91	689.31	1		596						
92	659.34	8	551	684	486	480	607.23	506	700	670
93/ 95/ 98/100/102	3,776.22	1			2870					
93/ 98/100/102	3,026.97	4	2550			2100	3546.13	2310		
93/100	1,498.50	3		1640					1470	1500
94	779.22	8	715	826	626	589	569.72	594	825	860
95	749.25	7	666	752		600	389.19	622	847	830
96	809.19	8	807	855	528	577	536.88	610	875	940
98	809.19	1		775						

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Note: A blank cell indicates PCB reported as coeluting with another PCB and reported elsewhere

Appendix B. Reported Reagent Water Results by Lab Group Code (Spike Level)
Lab Group Code=RW-F

PCB	Spike level (pg/L)	# labs	Lab 1	Lab 2	Lab 3	Lab 4	Lab 5	Lab 6	Lab 7	Lab 8
98/102	1,528.47	2							1690	1500
99	959.04	3		899					961	740
102	719.28	1		631						
103	749.25	8	618	644	485	507	1028.86	541	788	750
104	689.31	8	644	688	759	536	698.06	622	700	660
105	659.34	8	486	647	626	503	595.26	423	586	480
106	809.19	7	638	717	695	534		499	718	670
106/107/123	2,307.69	1				1390				
106/109/123	2,247.75	1					2424.35			
107	809.19	2						472		670
107/124	1,648.35	5	1170	1530	1410		1781.98		1480	
108/124	1,708.29	3				997		1010		1500
109	749.25	4	527	592	614				773	
110	959.04	1		1150						
110/115	1,708.29	7	1520		1510	1350	940.29	1400	1740	3700
111	779.22	8	542	672	569	557	400.31	413	649	630
112	869.13	6	686	932	703			630	765	840
114	689.31	7	468	618	610	479		436	556	380
114/122	1,528.47	1					1314.34			
115	749.25	1		581						
117	839.16	1		950						
118	1,408.59	8	925	1250	1240	950	993.08	895	1140	850
120	869.13	8	555	786	586	536	746.26	461	732	660
121	779.22	7	559	703	511		615.26	491	651	690
122	839.16	7	665	770	770	512		554	844	770

*** Indicates reported value does not meet one or more qualitative criteria and is not used in subsequent statistical analyses**
Note: A blank cell indicates PCB reported as coeluting with another PCB and reported elsewhere

Appendix B. Reported Reagent Water Results by Lab Group Code (Spike Level)
Lab Group Code=RW-F

PCB	Spike level (pg/L)	# labs	Lab 1	Lab 2	Lab 3	Lab 4	Lab 5	Lab 6	Lab 7	Lab 8
123	689.31	6	465	645	654			369	489	370
126	719.28	8	574	721	722	562	577.45	528	607	580
127	719.28	8	482	604	686	470	589.36	435	707	620
128/166	1,468.53	8	1120	1490	1300	1180	1328.18	939	1390	1100
129/138/160/163	3,266.73	4	2610		2890	2330	3021.76			
129/138/163	2,487.51	4		2270				1790	2790	1700
130	839.16	7	640	789	707	588		584	805	800
130/137/164	2,277.72	1					1500.37			
131	749.25	6	612	652	655			568	705	680
131/142	1,528.47	1					2121.28			
132	749.25	8	620	672	702	603	842.9	602	753	810
133	719.28	8	526	589	544	525	729.82	467	672	660
134	659.34	2		721					779	
134/143	1,438.56	5	1210		1270	1150		604		1500
134/147/149	2,367.63	1					2666.79			
135/151	1,408.59	5	1270	1360				1050	1550	1500
135/151/154	2,247.75	3			1640	1510	2264.79			
136	659.34	8	619	758	511	507	601.07	560	739	750
137	689.31	5	510	472	556			414	728	
137/164	1,438.56	2				1000				1100
139/140	1,498.50	8	1120	1320	1150	994	1284.9	924	1320	1300
141	749.25	7	567	629	616	496		466	599	660
141/153/168	4,585.41	1					3872.11			
142	779.22	7	641	749	613	577		581	756	770
143	779.22	3		792			889.3		707	

*** Indicates reported value does not meet one or more qualitative criteria and is not used in subsequent statistical analyses**
Note: A blank cell indicates PCB reported as coeluting with another PCB and reported elsewhere

Appendix B. Reported Reagent Water Results by Lab Group Code (Spike Level)
Lab Group Code=RW-F

PCB	Spike level (pg/L)	# labs	Lab 1	Lab 2	Lab 3	Lab 4	Lab 5	Lab 6	Lab 7	Lab 8
144	659.34	8	546	660	480	464	1601.73	471	663	640
145	719.28	8	694	674	564	496	459.36	556	724	770
146	959.04	6	754	957	746			617	961	790
146/161	1,678.32	2				1160	1420.15			
147/149	1,708.29	7	1460	1560	1440	1080		1140	1640	1700
148	779.22	8	632	690	514	495	577.4	532	741	710
150	779.22	7	723	793	579	524		599	764	820
150/152	1,588.41	1					1219.53			
152	809.19	7	771	815	632	575		665	858	950
153/168	3,836.16	7	2400	3220	2870	2400		2290	3320	2500
154	839.16	5	603	727				502	689	650
155	779.22	8	594	720	704	498	848.15	560	691	620
156/157	1,348.65	8	990	1250	1270	925	929.75	899	1120	830
158	659.34	8	493	619	542	472	471.31	424	606	600
159	869.13	8	580	848	719	570	1334.97	509	762	680
160	779.22	4		728				513	560	730
161	719.28	6	508	557	560			410	594	630
162	779.22	8	551	723	668	325	764.14	503	662	660
164	749.25	5	553	652	670			520	570	
165	839.16	8	644	768	631	654	847.62	523	717	730
167	689.31	8	470	637	638	494	625.58	454	540	400
169	719.28	8	566	735	764	549	657	574	611	640
170	749.25	8	515	608	668	502	492.05*	493	790	420
171/173	1,708.29	7	1300	1500	1460	1110		1080	1640	1400
171/173/181	2,427.57	1					2798.26			

** Indicates reported value does not meet one or more qualitative criteria and is not used in subsequent statistical analyses*
Note: A blank cell indicates PCB reported as coeluting with another PCB and reported elsewhere

Appendix B. Reported Reagent Water Results by Lab Group Code (Spike Level)
Lab Group Code=RW-F

PCB	Spike level (pg/L)	# labs	Lab 1	Lab 2	Lab 3	Lab 4	Lab 5	Lab 6	Lab 7	Lab 8
172	749.25	8	508	581	610	485	870.37	458	714	600
174	959.04	6	871	971	885			676	1030	850
174/183/185	2,397.60	2				1680	4312.49			
175	839.16	8	620	733	615	579	2944.53	476	741	730
176	689.31	8	534	557	550	460	967.55	469	696	670
177	959.04	8	783	938	862	668	1086.26	678	1020	850
178	749.25	8	555	634	575	548	2808.75	485	758	720
179	959.04	8	898	1080	797	699	1115.07	736	1030	1000
180/193	1,708.29	8	1250	1460	1460	1120	1660.64	1110	1670	1200
181	719.28	7	440	529	568	433		411	585	520
182	809.19	7	559	639	597	495		459	701	650
182/187	1,768.23	1					3123.99			
183	749.25	2		476				470		
183/185	1,438.56	4	935		1100				1190	1100
184	809.19	8	537	694	492	443	664.75	379	573	550
185	689.31	2		544				362		
186	869.13	8	689	932	729	617	1391.01	598	816	860
187	959.04	7	783	892	760	717		610	878	650
188	779.22	8	551	636	692	379	567.63*	450	604	620
189	689.31	8	533	672	645	550	485.39	472	426	530
190	659.34	8	457	645	622	463	308.67*	425	723	610
191	659.34	8	474	624	564	417	552.23	423	685	560
192	869.13	8	551	789	671	520	830.83	507	766	690
194	959.04	8	771	971	941	611	679.29	671	967	720
195	959.04	8	767	966	890	586	768.96	682	931	490

*** Indicates reported value does not meet one or more qualitative criteria and is not used in subsequent statistical analyses**
Note: A blank cell indicates PCB reported as coeluting with another PCB and reported elsewhere

Appendix B. Reported Reagent Water Results by Lab Group Code (Spike Level)
Lab Group Code=RW-F

PCB	Spike level (pg/L)	# labs	Lab 1	Lab 2	Lab 3	Lab 4	Lab 5	Lab 6	Lab 7	Lab 8
196	749.25	7	481	570	567	452		427	706	550
196/203	1,708.29	1					2180.1			
197	749.25	3		493				369		390
197/200	1,588.41	5	1060		1120	875	1384.93		1290	
198/199	1,828.17	8	1350	1730	1470	1270	1504.15	1060	1580	1400
200	839.16	3		791				518		710
201	839.16	8	546	712	573	428	971.82	472	715	550
202	839.16	8	577	657	750	509	608.15*	507	591	510
203	959.04	7	698	902	755	592		565	812	710
204	809.19	8	452	587	479	459	906.22	364	592	420
205	749.25	8	549	717	708	489	626.34	507	661	620
206	959.04	8	748	910	884	682	849.17	640	753	560
207	659.34	8	353	516	502	354	523.58	359	513	350
208	659.34	8	370	537	575	357	458.84	348	456	300
209	659.34	8	378	511	586	351	487.01	429	446	210

** Indicates reported value does not meet one or more qualitative criteria and is not used in subsequent statistical analyses*
Note: A blank cell indicates PCB reported as coeluting with another PCB and reported elsewhere

Appendix B. Reported Reagent Water Results by Lab Group Code (Spike Level)
Lab Group Code=RW-G

PCB	Spike level (pg/L)	# labs	Lab 1	Lab 2	Lab 2	Lab 3	Lab 4	Lab 5	Lab 6	Lab 6	Lab 7	Lab 7	Lab 8
1	1,918.08	8	2040	2160	2120	2070	1790	2331.18	1760	2180	2220*	2280*	2000
2	1,918.08	8	1900	2110	2090	2060	1650	2992.78	1780	2030	2520	2610	2300
3	1,918.08	8	1930	2080	2050	2030	1660	2649.7	1730	2010	1980	1990	1900
4	3,416.58	8	3710	3730	3650	3630	2950	4447.26	3500	4010	3970	3980	4000
5	1,498.50	6	1430	1370	1350	1500	976		1370	1740	1840	1900*	
5/ 8	4,915.08	2						12302.01					4000
6	1,918.08	8	2100	2060	2040	1860	1290	1730.52	1680	1870	2370	2360	2400
7	1,498.50	8	1390	1250	1250	1340	927	1124.46	1180	1210	1540	1520	1900
8	3,416.58	6	3760	3540	3580	3140	2370		2700	2690	4180	3860	
9	1,918.08	8	2050	1940	1980	1750	1270	2063.14	1670	1820	3470*	2950*	2100
10	1,498.50	8	1450	1480	1480	1240	949	1133.95	1250	1360	1580	1510	1700
11	1,438.56	8	1430	1310	1340	1480	1000	1945.1	1170	1240	1610	1570	1600
12/ 13	3,056.94	8	2940	2720	2700	3110	1970	3309.62	2130	2260	3120	3110*	3100
14	1,678.32	8	1690	1520	1500	1690	1020	1380.17	1430	1480	2080	2010	2100
15	1,318.68	8	1290	1340	1320	1440	959	1594.75	1110	1160	1240	1250	1200
16	1,918.08	5	2600	2470	2550	1930			2230	2210	2290	2310*	
16/ 24	3,416.58	1											3900
16/ 24/ 27	4,735.26	2					3070	1336.16					
17	1,498.50	8	1630	1490	1450	1240	949	1306.49	1140	1210	1660	1670	1700
18/ 30	5,154.85	8	5420	5380	5260	3740	2920	3924.49	3670	3920	5500	5420	4100
19	1,918.08	8	2400	2190	2130	2220	1670	2357.77	1770	2050	2340	2320	2600
20/ 21/ 28/ 33	6,053.95	2					3710	5563.61					
20/ 28	3,236.76	6	2870	3360	3310	2940			2250	2520	3210	3280	2600
21/ 33	2,817.18	6	2530	2480	2360	2570			2130	2230	2940	2910	2700
22	1,918.08	8	1930	2070	2030	2050	1310	1777.66	1570	1660	2020	2040	2200

*** Indicates reported value does not meet one or more qualitative criteria and is not used in subsequent statistical analyses**
Note: A blank cell indicates PCB reported as coeluting with another PCB and reported elsewhere

Appendix B. Reported Reagent Water Results by Lab Group Code (Spike Level)
Lab Group Code=RW-G

PCB	Spike level (pg/L)	# labs	Lab 1	Lab 2	Lab 2	Lab 3	Lab 4	Lab 5	Lab 6	Lab 6	Lab 7	Lab 7	Lab 8
23	1,558.44	7	1280	1450	1410	1270	897		1050	1170	1570	1550	1700
23/ 34	2,877.12	1						2981.29					
24	1,498.50	5	1510	1550	1420	1230			1020	1230	1470	1400*	
25	1,918.08	8	1830	1930	1860	1640	1160	1997.88	1520	1680	1850*	1890	1900
26/ 29	2,817.18	8	2260	2670	2600	2270	1640	3038.27	1880	2020	2980	2990	2700
27	1,318.68	6	1400	1560	1570	1140			1100	1170	1660*	1770	1400
31	1,498.50	8	1260	1270	1250	1210	897	1550.61	1040	1090	1590	1640	1500
32	1,498.50	8	1590	1510	1460	1190	1010	1185.16	1150	1230	1740	1770	1700
34	1,318.68	7	1080	1330	1250	1060	769		933	1000	1490	1450	1300
35	1,678.32	8	1450	1570	1550	1700	1090	1812.71	1170	1200	1650	1630	1600
36	1,618.38	8	1160	1410	1340	1370	966	1269.86	988	1030	1360*	1570	1400
37	1,498.50	8	1280	1460	1400	1310	998	1423.19	1000	1030	1420	1420	1200
38	1,438.56	8	1170	1220	1190	1280	960	1479.91	896	981	1360	1300	1300
39	1,558.44	8	1050	1360	1320	1350	927	1426.32	985	1020	1350	1350	1400
40/ 41/ 71	4,735.26	6	4550			4740	4260	5050.8	4030	4220			5900
40/ 71	3,236.76	2		3700	3670						3430	3450	
41	1,498.50	2		1390	1250						1500	1540	
42	1,318.68	7	967	1380	1370	1240	1130		1150	1090	1410	1380	1500
42/ 59/ 62/ 75	5,934.07	1						5758.42					
43	1,738.26	6	996	2060	1860	1470			1490	1340	1900	1850	1600
43/ 52/ 73	6,833.17	2					4950	7613.19					
44/ 47/ 65	4,675.32	8	3890	4560	4410	4000	3450	4436.61	3460	3440	4560	4530	4500
45	1,498.50	1		1440	1290								
45/ 51	3,176.82	7	3270			2500	2240	3017.18	2410	2410	3120	3280	3700
46	1,498.50	8	1590	1380	1360	1230	1160	1264.35	1160	1190	1380	1480	1700

*** Indicates reported value does not meet one or more qualitative criteria and is not used in subsequent statistical analyses**
Note: A blank cell indicates PCB reported as coeluting with another PCB and reported elsewhere

Appendix B. Reported Reagent Water Results by Lab Group Code (Spike Level)
Lab Group Code=RW-G

PCB	Spike level (pg/L)	# labs	Lab 1	Lab 2	Lab 2	Lab 3	Lab 4	Lab 5	Lab 6	Lab 6	Lab 7	Lab 7	Lab 8
48	1,498.50	8	1030	1300	1250	1250	1150	1595.94	1140	1140	1440	1360	1700
49/ 69	2,697.30	8	1960	2410	2320	2060	1920	2225.88	2020	2040	2660	2950	3000
50/ 53	3,116.88	8	3120	2970	2900	2350	2210	3365.03	2330	2370	3040*	3200	3700
51	1,678.32	1		1620	1650								
52	3,416.58	6	3360	3670	3480	2790			2880	3010	3930	4120	3900
54	1,678.32	8	1590	1770	1730	1650	1440	1646.78	1520	1670	1780	1740	1800
55	1,738.26	7	1390	1760	1810	1770	1120		1210	1260	1660	1700	1700
55/ 66	3,656.34	1						4100.07					
56	1,918.08	7	1860	2030	1970	2210	1390		1590	1610	1970	2090	2100
56/ 60	3,416.58	1						4118.45					
57	1,438.56	8	1130	1210	1180	1190	912	2184.22	963	974	1350	1410	1400
58	1,738.26	7	1350	1730	1750	1630	1100		1170	1210	1460	1600	1800
58/ 67	3,656.34	1						4432.66					
59/ 62/ 75	4,615.38	7	3670	4160	3990	3590	3280		3290	3330	4360	4320	4800
60	1,498.50	7	1270	1270	1250	1440	1010		1060	1080	1400	1390	1500
61/ 70/ 74/ 76	6,593.41	8	5530	6150	5990	6010	4220	8718.33	4630	4710	6280	6570	6300
63	1,378.62	8	1090	1040	1030	1120	801	1592.96	908	936	1350	1350	1300
64	1,378.62	8	1200	1130	1100	1210	1050	1237.26	1110	1140	1360	1330	1400
66	1,918.08	7	1830	1910	1850	1770	1250		1390	1370	1950	1910	1300
67	1,918.08	7	1660	1870	1820	1640	1180		1280	1240	1670	1790	1700
68	1,558.44	8	1160	1400	1290	1170	874	1904.24	950	969	1270	1260	1400
72	1,618.38	8	1260	1400	1340	1140	931	2059.91	1030	1090	1460	1530	1700
73	1,678.32	6	1050	1520	1610	1420			1160	1150	1590	1640	1900
77	1,378.62	8	1120	1380	1400	1230	1010	1293.5	991	949	1080	1150	1100
78	1,618.38	8	1430	1480	1480	1520	1070	1594.59	1060	1140	1550	1650	1500

*** Indicates reported value does not meet one or more qualitative criteria and is not used in subsequent statistical analyses**
Note: A blank cell indicates PCB reported as coeluting with another PCB and reported elsewhere

Appendix B. Reported Reagent Water Results by Lab Group Code (Spike Level)
Lab Group Code=RW-G

PCB	Spike level (pg/L)	# labs	Lab 1	Lab 2	Lab 2	Lab 3	Lab 4	Lab 5	Lab 6	Lab 6	Lab 7	Lab 7	Lab 8
79	1,618.38	8	1450	1420	1420	1450	1070	1302.89*	1040	1080	1480	1570	1600
80	1,558.44	8	1280	1250	1260	1160	876	1429.12	891	895	1180	1270	1300
81	1,678.32	8	1450	1580	1580	1490	1270	1704.21	1130	1150	1320	1400	1400
82	1,918.08	8	1820	2160	2060	1860	1930	1863.32*	1490	1570	1900	1930	2100
83	1,498.50	3		1480	1460						1360	1580	1900
83/ 99	3,416.58	3	3140			2930			2510	2500			
83/ 99/112	5,154.85	2					4460	4274.35					
84	1,498.50	8	1320	1550	1480	1360	1430	1214.5	1220	1210	1540	1540	1700
85/116	2,937.06	1		2510	2590								
85/116/117	4,615.38	7	3890			3750	3720	4772.4	2660	2740	4170	4180	7500
86/ 87/ 97/108/119/125	9,350.65	5	7980	9470	9090	8090		7780.24			9190	8850	
86/ 87/ 97/109/119/125	9,110.89	3					8300		6800	6790			9200
88	1,558.44	1		1660	1750								
88/ 91	2,937.06	7	2440			2410	2720	2919.29	2220	2180	2940	2960	3100
89	1,618.38	8	1380	1760	1670	1440	1550	1443.61	1330	1310	1670	1720	1800
90/101/113	4,435.56	8	3680	4410	4120	3620	3850	3514.85	3120	3010	3930	4010	3000
91	1,378.62	1		1320	1130								
92	1,318.68	8	1060	1440	1360	1030	1160	1258.58	1020	980	1320	1320	1400
93/ 95/ 98/100/102	7,552.45	1				5980							
93/ 98/100/102	6,053.95	4	5070				5160	5378.11	4700	4450			
93/100	2,997.00	3		3400	3130						2580	2650	2900
94	1,558.44	8	1300	1770	1620	1330	1400	1392.08	1230	1180	1540	1510	1700
95	1,498.50	7	1220	1520	1460		1510	3291.45	1190	1160	1640	1630	1700
96	1,618.38	8	2050	1760	1710	1180	1070	1026.96	1210	1190	1540	1540	1800
98	1,618.38	1		1650	1720								

*** Indicates reported value does not meet one or more qualitative criteria and is not used in subsequent statistical analyses**
Note: A blank cell indicates PCB reported as coeluting with another PCB and reported elsewhere

Appendix B. Reported Reagent Water Results by Lab Group Code (Spike Level)
Lab Group Code=RW-G

PCB	Spike level (pg/L)	# labs	Lab 1	Lab 2	Lab 2	Lab 3	Lab 4	Lab 5	Lab 6	Lab 6	Lab 7	Lab 7	Lab 8
98/102	3,056.94	2									3440	3380	3100
99	1,918.08	3		1930	1830						1500	1430	1600
102	1,438.56	1		1320	1190								
103	1,498.50	8	1200	1390	1280	1040	1310	1839.12	1120	1070	1600	1460	1500
104	1,378.62	8	1610	1410	1360	1420	1140	1523.5	1130	1200	1430	1410	1300
105	1,318.68	8	1160	1260	1280	1210	1030	1156.33	879	901	1080	1130	970
106	1,618.38	7	1550	1470	1460	1350	1350		1070	1080	1440	1330	1400
106/107/123	4,615.38	1					2850						
106/109/123	4,495.50	1						4627.51					
107	1,618.38	2							879	850			1300
107/124	3,296.70	5	3020	3140	2990	2790		3340.48			2950	3040	
108/124	3,416.58	3					2120		2080	2110			3000
109	1,498.50	4	1400	1270	1250	1220					1340	1550	
110	1,918.08	1		2690	2360								
110/115	3,416.58	7	3110			3150	3370	3693.81	3000	3010	3640	3520	7500
111	1,558.44	8	1320	1360	1310	1210	1270	930.7	855	874	1210*	1180	1300
112	1,738.26	6	1340	2020	2040	1420			1250	1210	1760	1690	1800
114	1,378.62	7	1120	1230	1220	1140	980		926	912	1040	1080	800
114/122	3,056.94	1						2537.2					
115	1,498.50	1		987	1030								
117	1,678.32	1		2010	1730								
118	2,817.18	8	2300	2510	2390	2350	1910	2144.44	1880	1870	2090	2180	1800
120	1,738.26	8	1430	1580	1560	1280	1370	1337.03	967	988	1420	1390	1400
121	1,558.44	7	1230	1470	1370	1080		1280.48	1010	958	1300	1210	1500
122	1,678.32	7	1530	1540	1540	1570	1090		1130	1160	1660	1770	1600

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Note: A blank cell indicates PCB reported as coeluting with another PCB and reported elsewhere

Appendix B. Reported Reagent Water Results by Lab Group Code (Spike Level)
Lab Group Code=RW-G

PCB	Spike level (pg/L)	# labs	Lab 1	Lab 2	Lab 2	Lab 3	Lab 4	Lab 5	Lab 6	Lab 6	Lab 7	Lab 7	Lab 8
123	1,378.62	6	1110	1240	1120	1140			818	870	970	992	830
126	1,438.56	8	1250	1490	1440	1410	1110	1096.46	1100	1100	1210	1280	1200
127	1,438.56	8	1280	1150	1190	1280	980	1140.2	885	906	1350	1440	1400
128/166	2,937.06	8	2770	2990	3040	2690	2560	2572.65	1880	2000	2730	2750	2400
129/138/160/163	6,533.47	4	6090			5900	5600	6217.88					
129/138/163	4,975.02	4		4630	4320				3490	3630	5240	5290	3800
130	1,678.32	7	1540	1570	1590	1420	1470		1090	1130	1510	1540	1700
130/137/164	4,555.44	1						4246.84					
131	1,498.50	6	1330	1310	1280	1290			1090	1120	1480	1430	1400
131/142	3,056.94	1						4279.06					
132	1,498.50	8	1320	1400	1310	1420	1410	1658.42	1110	1140	1440	1410	1700
133	1,438.56	8	1260	1210	1160	1120	1280	1392.21	857	898	1250	1270	1400
134	1,318.68	2		1460	1270						1670	1620	
134/143	2,877.12	5	2620			2530	2720		2190	2220			3000
134/147/149	4,735.26	1						5706.33					
135/151	2,817.18	5	2680	2860	2680				2120	2050	1770*	2920	3000
135/151/154	4,495.50	3				3450	3270	4912.88					
136	1,318.68	8	1270	1600	1710	1080	1060	1154.1	1110	1000	1320	1280	1500
137	1,378.62	5	1320	942	816	1240			723	746	1480	1510	
137/164	2,877.12	2					2440						2300
139/140	2,997.00	8	2720	2690	2560	2310	2500	2623.17	1810	1800	2630	2490	2600
141	1,498.50	7	1400	1270	1130	1210	1210		901	926	1090	1130	1400
141/153/168	9,170.83	1						8136.26					
142	1,558.44	7	1350	1580	1420	1270	1400		1060	1080	1590	1490	1500
143	1,558.44	3		1640	1630			1941.45			1410	1250	

*** Indicates reported value does not meet one or more qualitative criteria and is not used in subsequent statistical analyses**
Note: A blank cell indicates PCB reported as coeluting with another PCB and reported elsewhere

Appendix B. Reported Reagent Water Results by Lab Group Code (Spike Level)
Lab Group Code=RW-G

PCB	Spike level (pg/L)	# labs	Lab 1	Lab 2	Lab 2	Lab 3	Lab 4	Lab 5	Lab 6	Lab 6	Lab 7	Lab 7	Lab 8
144	1,318.68	8	1220	1360	1290	1020	1000	4118.77	946	912	1250	1160	1400
145	1,438.56	8	1420	1430	1370	1170	1100	994.22	1120	1050	1390	1350	1500
146	1,918.08	6	1770	1880	1850	1550			1110	1150	1790	1860	1700
146/161	3,356.64	2					2830	2914.37					
147/149	3,416.58	7	3170	3250	3090	2840	2210		2510	2480	3480	2380	3500
148	1,558.44	8	1470	1450	1370	1090	1080	1204.2	1040	1010	1350	1310	1500
150	1,558.44	7	1530	1610	1570	1220	1110		1210	1100	1380	1330	1700
150/152	3,176.82	1						1384.04					
152	1,618.38	7	1580	1710	1700	1300	1170		1300	1250	1650	1560	1900
153/168	7,672.33	7	6200	6310	5990	5890	6000		4350	4440	6470	6150	5300
154	1,678.32	5	1530	1510	1420				926	898	1310	1200	1400
155	1,558.44	8	1430	1480	1410	1340	988	1573.67	1080	1120	1350	1300	1300
156/157	2,697.30	8	2250	2550	2450	2470	1900	1784.59	1910	1860	2110	2200	1700
158	1,318.68	8	1120	1270	1190	1140	1140	1014.98	802	842	1170*	1230	1200
159	1,738.26	8	1380	1810	1830	1450	1330	2371.08	969	1020	1550	1570	1500
160	1,558.44	4		1470	1470				939	982	1210	1260	1400
161	1,438.56	6	1290	1120	1040	1120			868	861	1100	1030	1400
162	1,558.44	8	1280	1520	1490	1340	648	1594.62	953	1010	1390	1440	1400
164	1,498.50	5	1230	1320	1330	1280			1070	1100	1070	1110	
165	1,678.32	8	1510	1530	1450	1300	1420	1525.09	1020	1030	1490	1370	1600
167	1,378.62	8	1140	1300	1250	1270	1000	1127.54	973	934	957	1120	840
169	1,438.56	8	1220	1500	1440	1530	1150	1168.1	1140	1120	1210	1350	1300
170	1,498.50	8	1210	1230	1150	1440	1000	1153.61	1050	1010	1280	1500	860
171/173	3,416.58	7	3020	3070	2900	3120	2360		2180	2190	2770	2970	2900
171/173/181	4,855.14	1						5449.33					

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Note: A blank cell indicates PCB reported as coeluting with another PCB and reported elsewhere

Appendix B. Reported Reagent Water Results by Lab Group Code (Spike Level)
Lab Group Code=RW-G

PCB	Spike level (pg/L)	# labs	Lab 1	Lab 2	Lab 2	Lab 3	Lab 4	Lab 5	Lab 6	Lab 6	Lab 7	Lab 7	Lab 8
172	1,498.50	8	1270	1200	1210	1320	988	1333.34	912	909	1210	1400	1300
174	1,918.08	6	1790	2040	2110	1890			1420	1410	1620	1610	1800
174/183/185	4,795.20	2					4370	9242*					
175	1,678.32	8	1580	1530	1510	1340	1440	5562.72	1000	984	1210	1290	1500
176	1,378.62	8	1260	1140	1080	1150	1190	2007.87	956	887	1150	1180	1400
177	1,918.08	8	1800	1980	1880	1820	1430	2020.76	1320	1340	1700	1850	1800
178	1,498.50	8	1320	1270	1240	1280	1440	5948.63	996	924	1090	1350	1500
179	1,918.08	8	1970	2180	2080	1680	1850	2255.61	1460	1340	1760	1790	2100
180/193	3,416.58	8	3030	2960	2870	3200	2290	3244.06	2330	2320	2830	3170	2500
181	1,438.56	7	1150	1080	1060	1200	896		835	807	956	1150	1200
182	1,618.38	7	1460	1310	1300	1310	1340		894	901	1120	1160	1400
182/187	3,536.46	1						3719					
183	1,498.50	2		994	907				869	865			
183/185	2,877.12	4	2170			2380					2210	2150	2400
184	1,618.38	8	1460	1370	1340	1030	1160	1359.91	810	733	930	966	1200
185	1,378.62	2		1150	1200				770	761			
186	1,738.26	8	1600	1830	1800	1530	1610	2824.48	1220	1170	1340	1370	1800
187	1,918.08	7	1900	1850	1820	1700	1790		1220	1170	1380	1550	1400
188	1,558.44	8	1370	1320	1260	1320	1100	1142.89*	944	951	1220	1220	1300
189	1,378.62	8	1190	1380	1340	1280	1080	1135.8	963	906	1060	1120	1100
190	1,318.68	8	1100	1340	1260	1300	920	829.47	901	931	1210	1380	1200
191	1,318.68	8	1100	1270	1260	1240	839	1069.52	872	888	1120	1290	1200
192	1,738.26	8	1370	1650	1620	1560	1060	1504.6	1030	1050	1430	1480	1500
194	1,918.08	8	1790	2040	1960	1870	1210	1217.61	1420	1400	1900	1990	1400
195	1,918.08	8	1960	1960	1890	1720	1140	1359.15	1360	1270	1870	2010	1000

*** Indicates reported value does not meet one or more qualitative criteria and is not used in subsequent statistical analyses**
Note: A blank cell indicates PCB reported as coeluting with another PCB and reported elsewhere

Appendix B. Reported Reagent Water Results by Lab Group Code (Spike Level)
Lab Group Code=RW-G

PCB	Spike level (pg/L)	# labs	Lab 1	Lab 2	Lab 2	Lab 3	Lab 4	Lab 5	Lab 6	Lab 6	Lab 7	Lab 7	Lab 8
196	1,498.50	7	1280	1160	1130	1220	941		883	843	1320	1470	1200
196/203	3,416.58	1						4063.8					
197	1,498.50	3		1020	912				775	605			860
197/200	3,176.82	5	2710			2370	1920	2851.03			2580	2420	
198/199	3,656.34	8	3380	3670	3490	3070	2520	2871.23	2150	2150	2910	3140	3100
200	1,678.32	3		1660	1760				912	1020			1500
201	1,678.32	8	1370	1480	1410	1190	980	1911.88	938	843	1300	1300	1200
202	1,678.32	8	1460	1350	1280	1430	978	1153.17	1020	1000	1210	1180	1100
203	1,918.08	7	1860	1820	1770	1660	1240		1070	1110	1410	1490	1600
204	1,618.38	8	1320	1230	1190	973	902	1540.11	742	689	1110	1120	1000
205	1,498.50	8	1260	1480	1420	1360	1040	1191.04	1020	972	1270	1300	1300
206	1,918.08	8	1820	1920	1830	1680	1350	1567.12	1330	1150	1550	1650	1100
207	1,318.68	8	994	1110	1060	914	725	962.57	804	645	1270	1130	740
208	1,318.68	8	1020	1130	1090	1030	741	857.47	764	637	944	997	590
209	1,318.68	8	1030	1120	1110	959	738	888.12	891	651	1050	1050	340

** Indicates reported value does not meet one or more qualitative criteria and is not used in subsequent statistical analyses*
Note: A blank cell indicates PCB reported as coeluting with another PCB and reported elsewhere

Appendix B. Reported Reagent Water Results by Lab Group Code (Spike Level)
Lab Group Code=RW-H

PCB	Spike level (pg/L)	# labs	Lab 1	Lab 2	Lab 3	Lab 4	Lab 5	Lab 6	Lab 7	Lab 8
1	2,237.76	8	2500	2530	2370	1900	2845.71	2010	2690*	2400
2	2,237.76	8	2270	2590	2550	1690	3556.16	1980	3160	3000
3	2,237.76	8	2330	2420	2360	1750	3220.81	1990	2310	2300
4	3,986.01	8	3860	4410	4140	3340	5294.17	4010	4650	5000
5	1,748.25	6	1610	1720	1790	1040		1440	1710*	
5/ 8	5,734.27	2					16333.01			4900
6	2,237.76	8	2380	2660	2170	1420	2271.21	1770	2750	2900
7	1,748.25	8	1570	1660	1590	1000	1466.04	1230	1540	2200
8	3,986.01	6	3920	4560	3660	2500		2860	4890	
9	2,237.76	8	2380	2640	2020	1370	2587.36	1760	3310*	2800
10	1,748.25	8	1600	1790	1440	1140	1248.23	1430	1650	1900
11	1,678.32	8	1450	2510	1810	1010	2455.95	1280	1840	1900
12/ 13	3,566.43	8	2880	3200	3780	1980	4189.34	2290	3310*	3700
14	1,958.04	8	1740	1900	1980	1030	1869.08	1540	2210	2500
15	1,538.46	8	1250	1490	1650	1010	1817.5	1220	1490	1500
16	2,237.76	5	2600	2750	2190			2880	2830*	
16/ 24	3,986.01	1								4900
16/ 24/ 27	5,524.48	2				3780	1600.75			
17	1,748.25	8	1670	1750	1390	1147	1538.26	1410	1980	2100
18/ 30	6,013.99	8	5670	6450	4070	3510	4524.83	4470	6250	5200
19	2,237.76	8	2390	2640	2540	1610	2835.95	2200	2760	3100
20/ 21/ 28/ 33	7,062.94	2				4220	7015.38			
20/ 28	3,776.22	6	3210	3850	3420			2700	3930	3300
21/ 33	3,286.71	6	2840	2800	3010			2480	3450	3700
22	2,237.76	8	2190	2340	2400	1470	2335.87	1790	2530	2900

*** Indicates reported value does not meet one or more qualitative criteria and is not used in subsequent statistical analyses**
Note: A blank cell indicates PCB reported as coeluting with another PCB and reported elsewhere

Appendix B. Reported Reagent Water Results by Lab Group Code (Spike Level)
Lab Group Code=RW-H

PCB	Spike level (pg/L)	# labs	Lab 1	Lab 2	Lab 3	Lab 4	Lab 5	Lab 6	Lab 7	Lab 8
23	1,818.18	7	1530	1700	1420	1020		1230	1830	2200
23/ 34	3,356.64	1					3729.52			
24	1,748.25	5	1630	1770	1380			1400	1270*	
25	2,237.76	8	2060	2180	1870	1290	2214.66	1760	2270*	2500
26/ 29	3,286.71	8	2690	3010	2580	1910	4096.71	2230	3540	3700
27	1,538.46	6	1470	1860	1210			1310	2060	2000
31	1,748.25	8	1450	1470	1380	1000	1900.96	1180	1990	2000
32	1,748.25	8	1610	1710	1350	1220	1399.76	1430	1980	2200
34	1,538.46	7	1230	1500	1200	880		1120	1810	1800
35	1,958.04	8	1530	1820	2090	1070	2239.29	1330	1930	2200
36	1,888.11	8	1260	1590	1610	1010	1568.82	1160	1860	1800
37	1,748.25	8	1470	1680	1530	1010	1714.36	1150	1650	1600
38	1,678.32	8	1250	1380	1520	936	1775.51	1060	1420	1700
39	1,818.18	8	1090	1560	1600	940	1718.18	1160	1600	1900
40/ 41/ 71	5,524.48	6	5940		5360	4700	3942.36	5080*		6700
40/ 71	3,776.22	2		4620					4240	
41	1,748.25	2		1540					1710	
42	1,538.46	7	1310	1580	1380	1290		1400	1680	1700
42/ 59/ 62/ 75	6,923.08	1					5229.03			
43	2,027.97	6	2090	2330	1630			1910	2360	2000
43/ 52/ 73	7,972.03	2				5990	8641.08			
44/ 47/ 65	5,454.55	8	5020	5520	4190	4210	4597.53	4150	5480	5400
45	1,748.25	1		1930						
45/ 51	3,706.29	7	3310		2560	2980	3672.84	2820	3920	4300
46	1,748.25	8	1620	1690	1290	1510	1116.12	1390	1710	2000

*** Indicates reported value does not meet one or more qualitative criteria and is not used in subsequent statistical analyses**
Note: A blank cell indicates PCB reported as coeluting with another PCB and reported elsewhere

Appendix B. Reported Reagent Water Results by Lab Group Code (Spike Level)
Lab Group Code=RW-H

PCB	Spike level (pg/L)	# labs	Lab 1	Lab 2	Lab 3	Lab 4	Lab 5	Lab 6	Lab 7	Lab 8
48	1,748.25	8	1580	1560	1370	1380	1884.15	1370	1640	2000
49/ 69	3,146.85	8	2800	2900	2240	2360	2290.31	2420	3520	3600
50/ 53	3,636.36	8	3420	3540	2370	2870	3728.14	2850	3750*	4300
51	1,958.04	1		1820						
52	3,986.01	6	4100	4370	2940			3480	4780	4500
54	1,958.04	8	1850	2110	1920	1470	1925.9	1770	2070	2100
55	2,027.97	7	1520	2180	1970	1070		1350	1980	2100
55/ 66	4,265.73	1					4634.57			
56	2,237.76	7	2000	2390	2460	1330		1740	2400	2600
56/ 60	3,986.01	1					4907.61*			
57	1,678.32	8	1230	1420	1290	872	2580.27	1090	1610	1700
58	2,027.97	7	1440	2070	1770	1090		1320	1790	2200
58/ 67	4,265.73	1					5061.73			
59/ 62/ 75	5,384.62	7	4570	4970	3910	3770		3910	5190	5900
60	1,748.25	7	1320	1500	1710	943		1170	1580	1900
61/ 70/ 74/ 76	7,692.31	8	5800	7130	6560	4050	10181.54	5160	7610	8000
63	1,608.39	8	1150	1240	1250	757	1836.42	1050	1590	1600
64	1,608.39	8	1510	1390	1350	1170	583.88*	1350	1630	1700
66	2,237.76	7	1740	2180	2030	1210		1550	2230	1600
67	2,237.76	7	1760	2170	1790	1130		1450	2050	2100
68	1,818.18	8	1260	1590	1280	844	2112.79	1080	1530	1800
72	1,888.11	8	1430	1640	1280	919	2338.75	1200	1760	2100
73	1,958.04	6	1270	1860	1490			1500	1920	2300
77	1,608.39	8	1180	1650	1420	1000	1427.97	1060	1310	1400
78	1,888.11	8	1450	1720	1870	968	1779.56	1240	1910	1900

*** Indicates reported value does not meet one or more qualitative criteria and is not used in subsequent statistical analyses**
Note: A blank cell indicates PCB reported as coeluting with another PCB and reported elsewhere

Appendix B. Reported Reagent Water Results by Lab Group Code (Spike Level)
Lab Group Code=RW-H

PCB	Spike level (pg/L)	# labs	Lab 1	Lab 2	Lab 3	Lab 4	Lab 5	Lab 6	Lab 7	Lab 8
79	1,888.11	8	1410	1630	1680	952	1684.2	1170	1770	1800
80	1,818.18	8	1170	1410	1350	811	1619.57	924	1420	1600
81	1,958.04	8	1470	1860	1700	1200	1947.41	1290	1610	1800
82	2,237.76	8	2120	2610	2190	1840	298.2	1880	2320	2500
83	1,748.25	3		1650					1810	2500
83/ 99	3,986.01	3	3500		3260			3090		
83/ 99/112	6,013.99	2				4290	3095.91			
84	1,748.25	8	1580	1930	1480	1440	1013.34	1500	1810	2100
85/116	3,426.57	1		3310						
85/116/117	5,384.62	7	4400		4300	3530	1831.93	3200	4990	9600
86/ 87/ 97/108/119/125	10,909.09	5	9020	11200	9190		5921.64		10500	
86/ 87/ 97/109/119/125	10,629.37	3				7790		8260		11000
88	1,818.18	1		2220						
88/ 91	3,426.57	7	2970		2620	2540	2689	2660	3470	3900
89	1,888.11	8	1750	2210	1590	1520	1336.72	1580	1970	2200
90/101/113	5,174.83	8	4180	5290	4060	3640	3965.33	3680	4700	3700
91	1,608.39	1		1490						
92	1,538.46	8	1240	1700	1190	1160	928.97	1190	1520	1700
93/ 95/ 98/100/102	8,811.19	1			6500					
93/ 98/100/102	7,062.94	4	6080			5250	5578.18	5630		
93/100	3,496.50	3		4260					3070	3800
94	1,818.18	8	1620	2150	1420	1470	1414.97	1460	1770	2200
95	1,748.25	7	1560	1880		1480	3519.57	1420	1890	2000
96	1,888.11	8	2080	2070	1200	1400	1174.5	1520	1860	2200
98	1,888.11	1		1880						

*** Indicates reported value does not meet one or more qualitative criteria and is not used in subsequent statistical analyses**
Note: A blank cell indicates PCB reported as coeluting with another PCB and reported elsewhere

Appendix B. Reported Reagent Water Results by Lab Group Code (Spike Level)
Lab Group Code=RW-H

PCB	Spike level (pg/L)	# labs	Lab 1	Lab 2	Lab 3	Lab 4	Lab 5	Lab 6	Lab 7	Lab 8
98/102	3,566.43	2							4020	3700
99	2,237.76	3		2140					1740	2000
102	1,678.32	1		1710						
103	1,748.25	8	1480	1730	1120	1310	2020.44	1390	1840	1900
104	1,608.39	8	1490	1680	1640	1270	1802.28	1390	1700	1600
105	1,538.46	8	1170	1530	1320	999	1402.61	1010	1300	1200
106	1,888.11	7	1410	1820	1610	1230		1270	1680	1800
106/107/123	5,384.62	1				2720				
106/109/123	5,244.76	1					5965.69			
107	1,888.11	2						1080		1800
107/124	3,846.15	5	2650	3550	3780		4385.11		3540	
108/124	3,986.01	3				1980		2400		3800
109	1,748.25	4	1340	1460	1510				1720	
110	2,237.76	1		3320						
110/115	3,986.01	7	3450		3610	3010	1637.64	3620	4420	9600
111	1,818.18	8	1250	1630	1340	1180	456.34	1030	1390	1700
112	2,027.97	6	1570	2530	1650			1540	2070	2100
114	1,608.39	7	1100	1460	1280	943		1050	1240	1000
114/122	3,566.43	1					1873.27			
115	1,748.25	1		1070						
117	1,958.04	1		2090						
118	3,286.71	8	2190	2880	2640	1840	2956.08	2170	2550	2200
120	2,027.97	8	1340	1800	1460	1140	1376.08	1140	1670	1800
121	1,818.18	7	1350	1750	1200		1092.77	1180	1430	1900
122	1,958.04	7	1520	1810	1890	1050		1280	2000	2000

*** Indicates reported value does not meet one or more qualitative criteria and is not used in subsequent statistical analyses**
Note: A blank cell indicates PCB reported as coeluting with another PCB and reported elsewhere

Appendix B. Reported Reagent Water Results by Lab Group Code (Spike Level)
Lab Group Code=RW-H

PCB	Spike level (pg/L)	# labs	Lab 1	Lab 2	Lab 3	Lab 4	Lab 5	Lab 6	Lab 7	Lab 8
123	1,608.39	6	1010	1320	1370			871	1070	1000
126	1,678.32	8	1350	1690	1530	1100	1414.24	1320	1460	1500
127	1,678.32	8	1200	1350	1570	950	1689.34	1020	1630	1600
128/166	3,426.57	8	2570	3470	3170	2400	2441.09	2270	3180	3100
129/138/160/163	7,622.38	4	5810		6910	5000	6025.43			
129/138/163	5,804.20	4		5470				4080	6270	4500
130	1,958.04	7	1490	1890	1640	1300		1330	1800	2100
130/137/164	5,314.69	1					2716.04			
131	1,748.25	6	1490	1620	1400			1330	1860	1800
131/142	3,566.43	1					3345.79			
132	1,748.25	8	1460	1680	1620	1310	1405.64	1360	1680	2100
133	1,678.32	8	1270	1460	1260	1090	1047.6	1080	1470	1700
134	1,538.46	2		1830					1820	
134/143	3,356.64	5	2710		2840	2490		2630		3800
134/147/149	5,524.48	1					4666.96			
135/151	3,286.71	5	2860	3530				2620	3550	3800
135/151/154	5,244.76	3			3850	2670	3224.75			
136	1,538.46	8	1440	1930	1140	1010	1237.37	1420	1540	1900
137	1,608.39	5	1080	948	1390			843	1570	
137/164	3,356.64	2				2120				2900
139/140	3,496.50	8	2720	3150	2630	2180	2158.05	2210	3030	3500
141	1,748.25	7	1280	1510	1430	1170		1120	1300	1800
141/153/168	10,699.30	1					8033.73			
142	1,818.18	7	1460	1890	1450	1260		1290	1730	2000
143	1,818.18	3		1930			1466.44		1670	

*** Indicates reported value does not meet one or more qualitative criteria and is not used in subsequent statistical analyses**
Note: A blank cell indicates PCB reported as coeluting with another PCB and reported elsewhere

Appendix B. Reported Reagent Water Results by Lab Group Code (Spike Level)
Lab Group Code=RW-H

PCB	Spike level (pg/L)	# labs	Lab 1	Lab 2	Lab 3	Lab 4	Lab 5	Lab 6	Lab 7	Lab 8
144	1,538.46	8	1240	1650	1170	787	4098.25	1140	1460	1700
145	1,678.32	8	1540	1640	1230	981	860.61	1410	1630	1900
146	2,237.76	6	1730	2260	1760			1340	2120	2200
146/161	3,916.08	2				2420	2837.28			
147/149	3,986.01	7	3390	3940	3200	2750		2980	3090	4400
148	1,818.18	8	1440	1770	1210	924	1184.99	1320	1600	1900
150	1,818.18	7	1630	1890	1280	1020		1510	1610	2100
150/152	3,706.29	1					2403.62			
152	1,888.11	7	1700	2090	1360	1130		1570	1930	2300
153/168	8,951.05	7	5830	7460	6590	5000		5270	7210	6900
154	1,958.04	5	1380	1790				1160	1530	1800
155	1,818.18	8	1420	1670	1600	1000	1985.19	1350	1530	1700
156/157	3,146.85	8	2350	2980	2850	1870	1994.17	2090	2540	2100
158	1,538.46	8	1110	1450	1330	999	1018.04	945	1430	1600
159	2,027.97	8	1380	2030	1690	1130	2438.48	1150	1790	1900
160	1,818.18	4		1670				1170	1520	1900
161	1,678.32	6	1170	1290	1250			1020	1280	1800
162	1,818.18	8	1330	1790	1610	945	1787.79	1090	1630	1800
164	1,748.25	5	1370	1670	1620			1300	1470	
165	1,958.04	8	1490	1820	1500	1280	1183.91	1250	1630	2000
167	1,608.39	8	1150	1480	1410	920	1201.71	1070	1170	1100
169	1,678.32	8	1350	1790	1690	1150	1266.26	1300	1410	1600
170	1,748.25	8	1270	1460	1740	1210	1569.51	1110	1630	1100
171/173	3,986.01	7	3090	3730	3830	2780		2520	3300	3900
171/173/181	5,664.34	1					6556.78			

*** Indicates reported value does not meet one or more qualitative criteria and is not used in subsequent statistical analyses**
Note: A blank cell indicates PCB reported as coeluting with another PCB and reported elsewhere

Appendix B. Reported Reagent Water Results by Lab Group Code (Spike Level)
Lab Group Code=RW-H

PCB	Spike level (pg/L)	# labs	Lab 1	Lab 2	Lab 3	Lab 4	Lab 5	Lab 6	Lab 7	Lab 8
172	1,748.25	8	1180	1400	1640	1120	1891.78	1030	1520	1700
174	2,237.76	6	2040	2590	2270			1640	1930	2300
174/183/185	5,594.41	2				4240	11956.37			
175	1,958.04	8	1460	1810	1650	1390	6350.21	1140	1520	2000
176	1,608.39	8	1260	1270	1390	1170	2115.89	1100	1400	1800
177	2,237.76	8	1910	2380	2210	1670	2490.78	1510	2140	2300
178	1,748.25	8	1280	1380	1550	1360	6328.17	1140	1560	1900
179	2,237.76	8	2100	2450	1980	1800	2468.29	1720	2130	2600
180/193	3,986.01	8	3030	3490	3870	2670	4359.54	2610	3470	3200
181	1,678.32	7	1080	1280	1480	1030		922	1370	1500
182	1,888.11	7	1270	1530	1610	1230		1070	1390	1800
182/187	4,125.87	1					7942.8			
183	1,748.25	2		1240				958		
183/185	3,356.64	4	2330		2960				2460	3100
184	1,888.11	8	1300	1510	1220	1080	1461.63	914	1130	1600
185	1,608.39	2		1190				863		
186	2,027.97	8	1630	2100	1860	1600	2981.44	1440	1670	2300
187	2,237.76	7	1810	2190	2080	1750		1430	1750	1800
188	1,818.18	8	1320	1460	1610	1060	1432.36	1110	1460	1700
189	1,608.39	8	1250	1670	1450	1100	1431.53	1040	1220	1400
190	1,538.46	8	1080	1620	1600	1060	1116.5	998	1540	1600
191	1,538.46	8	1100	1570	1520	1000	1491.38	960	1370	1500
192	2,027.97	8	1350	1920	1910	1230	2083.42	1170	1660	1900
194	2,237.76	8	1820	2340	2140	1160	1639.86	1510	2210	1900
195	2,237.76	8	1780	2310	2140	1140	1935.35	1460	2230	1400

** Indicates reported value does not meet one or more qualitative criteria and is not used in subsequent statistical analyses*
Note: A blank cell indicates PCB reported as coeluting with another PCB and reported elsewhere

Appendix B. Reported Reagent Water Results by Lab Group Code (Spike Level)
Lab Group Code=RW-H

PCB	Spike level (pg/L)	# labs	Lab 1	Lab 2	Lab 3	Lab 4	Lab 5	Lab 6	Lab 7	Lab 8
196	1,748.25	7	1110	1370	1540	910		964	1630	1500
196/203	3,986.01	1					5408.46			
197	1,748.25	3		966				879		1200
197/200	3,706.29	5	2400		3100	1960	3367.97		2860	
198/199	4,265.73	8	3040	4290	3950	2600	3603.89	2500	3560	4000
200	1,958.04	3		2190				1120		2000
201	1,958.04	8	1230	1640	1570	944	2114.8	1050	1540	1700
202	1,958.04	8	1400	1570	1640	996	1368.54	1170	1410	1500
203	2,237.76	7	1580	2220	2140	1180		1250	1670	2100
204	1,888.11	8	1040	1300	1320	886	1782.19	789	1290	1400
205	1,748.25	8	1310	1740	1600	1060	1411.04	1150	1480	1600
206	2,237.76	8	1830	2200	2040	1380	1802.55	1320	1790	1400
207	1,538.46	8	885	1260	1220	738	1014.82	737	1300	1000
208	1,538.46	8	942	1270	1330	771	945.78	778	1070	850
209	1,538.46	8	1050	1300	1280	857	913.28	862	1160	510

** Indicates reported value does not meet one or more qualitative criteria and is not used in subsequent statistical analyses*
Note: A blank cell indicates PCB reported as coeluting with another PCB and reported elsewhere

Appendix B. Reported Reagent Water Results by Lab Group Code (Spike Level)
Lab Group Code=RW-I

PCB	Spike level (pg/L)	# labs	Lab 1	Lab 2	Lab 2	Lab 3	Lab 4	Lab 5	Lab 6	Lab 6	Lab 7	Lab 7	Lab 8
1	4,155.84	8	5200	3860	4740	4500	4160	4776.4	3850	4190	4490	4800*	2500
2	4,155.84	8	4740	4460	4710	4770	3850	6215.77	4000	4290	5550	6290	5200
3	4,155.84	8	4730	3800	4590	4470	3910	5416.46	3910	4190	4110	4560*	4500
4	7,402.60	8	8410	7730	8080	7830	6900	9127.57	7730	8270	7940	8560	4200
5	3,246.75	6	3260	2880	3030	3500	2130		2920	2970	4150*	2170	
5/ 8	10,649.35	2						26126.08					6600
6	4,155.84	8	4810	4330	4550	4310	2990	3696.6	3650	3660	4430	4750	3800
7	3,246.75	8	3190	2860	2810	3000	2100	2411.36	2560	2580	2430	1350	2700
8	7,402.60	6	8060	8130	7980	7300	5290		5760	5800	8080	8570	
9	4,155.84	8	4720	4270	4450	3880	2850	4208.14	3570	3580	4630*	3430	3400
10	3,246.75	8	3230	3170	3230	2710	2120	2493.25	2810	2700	2980	1760	1600
11	3,116.88	8	3160	2820	2970	3490	2270	3650.18	2450	2480	3220	2910	3500
12/ 13	6,623.38	8	6660	5780	6080	7120	4510	6862.53	4730	4610	5410*	3790	6700
14	3,636.36	8	3760	3280	3370	3860	2320	2890.59	3160	3130	3780	2660	4300
15	2,857.14	8	2910	2520	2940	3150	2200	3356.57	2400	2440	2590	2690	2900
16	4,155.84	5	5870	5080	5340	4450			5150	5300	5110	5380	
16/ 24	7,402.60	1											7000
16/ 24/ 27	10,259.74	2					6740	3056.73					
17	3,246.75	8	3490	3210	3240	2790	2070	2879.68	2620	2640	3670	3730	2900
18/ 30	11,168.83	8	11900	11600	11700	8530	6320	8639.19	8260	8230	11400	11400	7300
19	4,155.84	8	5520	4630	4780	4910	3740	4875.16	4110	4280	4530	5050	3200
20/ 21/ 28/ 33	13,116.88	2					9050	12018.2					
20/ 28	7,012.99	6	6170	6900	7420	6700			5190	5180	7360	7220	6200
21/ 33	6,103.90	6	5630	4940	5420	5840			4780	4750	6270	5620	6500
22	4,155.84	8	4460	4120	4520	4670	3150	3974.21	3550	3450	4860	4530	5200

*** Indicates reported value does not meet one or more qualitative criteria and is not used in subsequent statistical analyses**
Note: A blank cell indicates PCB reported as coeluting with another PCB and reported elsewhere

Appendix B. Reported Reagent Water Results by Lab Group Code (Spike Level)
Lab Group Code=RW-I

PCB	Spike level (pg/L)	# labs	Lab 1	Lab 2	Lab 2	Lab 3	Lab 4	Lab 5	Lab 6	Lab 6	Lab 7	Lab 7	Lab 8
23	3,376.62	7	2860	3060	3240	2820	2160		2420	2400	3250	2960	3500
23/ 34	6,233.77	1						6598.36					
24	3,246.75	5	3510	3340	3290	2730			2600	2670	2600	3020	
25	4,155.84	8	3990	4160	4280	3690	2780	4297.42	3400	3420	4090	4100	4400
26/ 29	6,103.90	8	5110	5310	5870	5060	3970	6900.75	4410	4250	6230	5830	6600
27	2,857.14	6	3200	3420	3420	2580			2410	2460	3270	3730	2700
31	3,246.75	8	2740	2700	2830	2730	2140	3277.96	2400	2290	3700	3600	3700
32	3,246.75	8	3550	3190	3250	2680	2170	2694.03	2610	2660	3700	3790	3300
34	2,857.14	7	2330	2630	2960	2360	1840		2180	2080	3190	3190	3100
35	3,636.36	8	2860	3180	3550	3840	2440	3666.49	2730	2620	3300	3400	4700
36	3,506.49	8	2630	2860	3040	3060	2280	2768.94	2310	2350	3170	3410	3900
37	3,246.75	8	2690	2990	3220	2820	2240	3124.61	2310	2250	2890	3080	3500
38	3,116.88	8	2560	2510	2690	2920	2180	3113.62	2160	2160	2510	2000	3700
39	3,376.62	8	2210	2900	3000	3020	2170	3073.47	2280	2280	2880	2990	4000
40/ 41/ 71	10,259.74	6	10300			10600	8450	11221.58	9610	9600			11000
40/ 71	7,012.99	2		8700	8060						8210	7690	
41	3,246.75	2		3430	2910						3620	3670	
42	2,857.14	7	2620	3250	3000	2740	2190		2640	2550	3140	3120	2700
42/ 59/ 62/ 75	12,857.14	1						11855.03					
43	3,766.23	6	3820	4120	3880	3060			3600	3420	4420	3970	3400
43/ 52/ 73	14,805.19	2					10700	16361.16					
44/ 47/ 65	10,129.87	8	8210	10700	9780	9060	7450	9204.33	7970	7810	10700	10400	8500
45	3,246.75	1		3570	3050								
45/ 51	6,883.12	7	7460			5680	5110	6540.83	5490	5300	7740	7240	6200
46	3,246.75	8	3570	3210	3030	2800	2580	2790.55	2620	2600	3560	3230	2800

*** Indicates reported value does not meet one or more qualitative criteria and is not used in subsequent statistical analyses**
Note: A blank cell indicates PCB reported as coeluting with another PCB and reported elsewhere

Appendix B. Reported Reagent Water Results by Lab Group Code (Spike Level)
Lab Group Code=RW-I

PCB	Spike level (pg/L)	# labs	Lab 1	Lab 2	Lab 2	Lab 3	Lab 4	Lab 5	Lab 6	Lab 6	Lab 7	Lab 7	Lab 8
48	3,246.75	8	2550	3140	2820	2810	2390	3562.35	2620	2600	3410	3130	3200
49/ 69	5,844.16	8	4700	5780	5150	4680	4220	4211.06	4790	4640	6610	6540	5700
50/ 53	6,753.25	8	7360	7000	6470	5300	4870	7255.81	5380	5310	7420	7060	5900
51	3,636.36	1		3560	3600								
52	7,402.60	6	5470	8490	7690	6330			6970	6600	8620	9060	6600
54	3,636.36	8	3820	4230	3930	3620	3120	3344.23	3590	3590	3710	3750	2500
55	3,766.23	7	2970	4090	3730	3760	2360		2800	2610	3440	3590	3900
55/ 66	7,922.08	1						8823.74					
56	4,155.84	7	3930	4340	4260	4680	3070		3580	3330	4570	4470	4600
56/ 60	7,402.60	1						9060.49					
57	3,116.88	8	2320	2660	2490	2560	1960	4954.83	2220	2170	3200	3100	3200
58	3,766.23	7	2780	3630	3800	3510	2390		2710	2590	3390	3410	4000
58/ 67	7,922.08	1						9433.77					
59/ 62/ 75	10,000.00	7	8720	9760	8810	8150	6810		7700	7460	10300	9740	9400
60	3,246.75	7	2650	2730	2660	3040	2200		2450	2300	3060	3030	3600
61/ 70/ 74/ 76	14,285.71	8	11400	13000	12300	13400	9140	18266.45	10700	10000	14100	13900	15000
63	2,987.01	8	2260	2330	2190	2500	1740	3435.62	2160	2000	3010	2960	3000
64	2,987.01	8	2810	2670	2450	2730	2080	2276.06	2650	2540	3270	3100	2800
66	4,155.84	7	3570	4100	3850	3820	2850		3230	3060	4420	4070	3100
67	4,155.84	7	3400	4000	3940	3600	2560		3020	2840	3740	3890	3900
68	3,376.62	8	2300	2900	2890	2600	1900	3848.51	2250	2100	2810	2830	3300
72	3,506.49	8	2590	2990	2930	2480	2020	4411.09	2490	2300	3330	3330	3800
73	3,636.36	6	2520	3990	3580	3300			2720	2790	3620	3770	3600
77	2,987.01	8	2410	2780	3100	2600	2270	2882.65	2180	2010	2310	2410	2800
78	3,506.49	8	3000	3070	3260	3190	2340	3452.93	2590	2420	3480	3300	3700

*** Indicates reported value does not meet one or more qualitative criteria and is not used in subsequent statistical analyses**
Note: A blank cell indicates PCB reported as coeluting with another PCB and reported elsewhere

Appendix B. Reported Reagent Water Results by Lab Group Code (Spike Level)
Lab Group Code=RW-I

PCB	Spike level (pg/L)	# labs	Lab 1	Lab 2	Lab 2	Lab 3	Lab 4	Lab 5	Lab 6	Lab 6	Lab 7	Lab 7	Lab 8
79	3,506.49	8	2930	3160	3130	3120	2280	3225.89	2430	2270	3300	3350	3800
80	3,376.62	8	2430	2600	2640	2460	1970	3210.81	2090	1890	2690	2750	3400
81	3,636.36	8	3090	3260	3570	3090	2820	3769.95	2650	2480	2750	2910	3400
82	4,155.84	8	3990	4760	4690	4010	3710	2875.15	3580	3520	4480	4240	4500
83	3,246.75	3		3100	3140						3260	3270	4000
83/ 99	7,402.60	3	6880			6390			6140	5940			
83/ 99/112	11,168.83	2					8410	9308.99					
84	3,246.75	8	3100	3360	3190	2940	2720	2666.62	2760	2750	3450	3310	3200
85/116	6,363.64	1		5130	5370								
85/116/117	10,000.00	7	8480			8120	7190	7086.68	6260	6080	9490	8950	17000
86/ 87/ 97/108/119/125	20,259.74	5	17300	20600	20300	18100		15897.92			19800	19700	
86/ 87/ 97/109/119/125	19,740.26	3					15400		16000	15200			20000
88	3,376.62	1		3730	3180								
88/ 91	6,363.64	7	5700			5350	4850	7106.4	5090	4950	6520	6350	6200
89	3,506.49	8	3170	3900	3720	3130	2860	3614.49	3070	2830	3870	3660	3400
90/101/113	9,610.39	8	7950	9910	9170	8030	7050	7928.97	7140	6850	9000	8790	6400
91	2,987.01	1		2830	2770								
92	2,857.14	8	2390	3240	2950	2280	2170	2634.9	2320	2250	2970	2830	3000
93/ 95/ 98/100/102	16,363.64	1				13400							
93/ 98/100/102	13,116.88	4	11700				9810	11023.9	10700	10300			
93/100	6,493.51	3		7250	6970						6170	5940	5700
94	3,376.62	8	3060	3850	3700	2950	2680	2584.3	2760	2740	3450	3350	3300
95	3,246.75	7	2820	3350	3120		2690	7342.48	2690	2660	3580	3500	3300
96	3,506.49	8	4680	3940	3870	2760	2670	2254.17	2810	2770	3720	3440	3000
98	3,506.49	1		3590	3640								

*** Indicates reported value does not meet one or more qualitative criteria and is not used in subsequent statistical analyses**
Note: A blank cell indicates PCB reported as coeluting with another PCB and reported elsewhere

Appendix B. Reported Reagent Water Results by Lab Group Code (Spike Level)
Lab Group Code=RW-I

PCB	Spike level (pg/L)	# labs	Lab 1	Lab 2	Lab 2	Lab 3	Lab 4	Lab 5	Lab 6	Lab 6	Lab 7	Lab 7	Lab 8
98/102	6,623.38	2									7210	7270	6300
99	4,155.84	3		4750	3990						3870	3470	3900
102	3,116.88	1		3340	2680								
103	3,246.75	8	2740	3110	2830	2340	2410	4309.08	2490	2500	3300	3280	3000
104	2,987.01	8	3390	3170	3110	3140	2580	3001.53	2690	2560	3020	3160	2300
105	2,857.14	8	2460	2680	2790	2660	2280	2607.41	2090	1940	2350	2380	2500
106	3,506.49	7	3210	3420	3330	2900	2500		2550	2280	2880	3000	3700
106/107/123	10,000.00	1					6200						
106/109/123	9,740.26	1						6437.75					
107	3,506.49	2							2150	1820			3300
107/124	7,142.86	5	6410	6580	6770	5890		7993.8			6300	6440	
108/124	7,402.60	3					4550		4820	4510			7900
109	3,246.75	4	2760	2910	2900	2590					3530	3280	
110	4,155.84	1		4410	5630								
110/115	7,402.60	7	6850			6920	6110	5025.42	7030	6700	7710	7640	17000
111	3,376.62	8	2550	2930	2990	2570	2600	2180.05	2090	1990	2720	2590	3400
112	3,766.23	6	2920	4320	4260	3090			3000	2850	3520	3590	3600
114	2,987.01	7	2390	2630	2780	2500	2150		2100	1950	2320	2230	2100
114/122	6,623.38	1						5728.77					
115	3,246.75	1		2800	2260								
117	3,636.36	1		4330	4040								
118	6,103.90	8	4830	5160	5520	4940	4350	4947.94	4340	4030	4660	4590	4600
120	3,766.23	8	2690	3480	3490	2680	2490	3258.07	2260	2140	3150	3020	3600
121	3,376.62	7	2590	3160	2980	2380		2670	2410	2240	2890	2750	3200
122	3,636.36	7	3210	3520	3410	3270	2430		2570	2410	3630	3730	3900

*** Indicates reported value does not meet one or more qualitative criteria and is not used in subsequent statistical analyses**
Note: A blank cell indicates PCB reported as coeluting with another PCB and reported elsewhere

Appendix B. Reported Reagent Water Results by Lab Group Code (Spike Level)
Lab Group Code=RW-I

PCB	Spike level (pg/L)	# labs	Lab 1	Lab 2	Lab 2	Lab 3	Lab 4	Lab 5	Lab 6	Lab 6	Lab 7	Lab 7	Lab 8
123	2,987.01	6	2380	2110	2560	2390			1790	1900	2060	1880	2100
126	3,116.88	8	2850	2870	3300	2860	2490	2657.47	2410	2330	2540	2620	2800
127	3,116.88	8	2690	2640	2750	2700	2210	2713.01	2120	1950	2960	2930	3400
128/166	6,363.64	8	5210	6170	6600	5580	5270	5229.19	4600	4230	6190	5910	5900
129/138/160/163	14,155.84	4	11900			12200	10700	12096.39					
129/138/163	10,779.22	4		9950	9910				7750	7490	12200	10800	8400
130	3,636.36	7	2930	3750	3600	2910	2770		2550	2430	3360	3370	3800
130/137/164	9,870.13	1						6087.88*					
131	3,246.75	6	2570	3000	2970	2730			2510	2270	3330	3310	3000
131/142	6,623.38	1						8978.99					
132	3,246.75	8	2690	3130	3100	2950	2760	3365.96	2500	2350	3180	3100	3400
133	3,116.88	8	2370	2700	2620	2270	2370	3138.54	2040	1890	2800	2740	3200
134	2,857.14	2		4070	3040						3510	3400	
134/143	6,233.77	5	5200			5280	5310		4810	4540			6100
134/147/149	10,259.74	1						10817.69					
135/151	6,103.90	5	6660	6460	6210				4780	4550	6610	6290	6200
135/151/154	9,740.26	3				7470	6850	6333.57					
136	2,857.14	8	3240	3670	3720	2370	2330	2512.7	2540	2490	3110	2870	2800
137	2,987.01	5	2210	2210	1990	2470			1620	1560	3370	3430	
137/164	6,233.77	2					4590						5400
139/140	6,493.51	8	4950	5890	5800	4900	4700	5305.8	4130	3800	5530	5620	6000
141	3,246.75	7	2610	2860	2730	2470	2380		2150	2000	2140	2290	3200
141/153/168	19,870.13	1						16298.44					
142	3,376.62	7	2660	3390	3330	2700	2760		2470	2270	3110	3260	3200
143	3,376.62	3		3170	3710			3667.04			2800	2910	

*** Indicates reported value does not meet one or more qualitative criteria and is not used in subsequent statistical analyses**
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Appendix B. Reported Reagent Water Results by Lab Group Code (Spike Level)
Lab Group Code=RW-I

PCB	Spike level (pg/L)	# labs	Lab 1	Lab 2	Lab 2	Lab 3	Lab 4	Lab 5	Lab 6	Lab 6	Lab 7	Lab 7	Lab 8
144	2,857.14	8	3020	3180	2990	2190	2040	7290.31	2190	1990	2810	2710	2900
145	3,116.88	8	3500	3050	3140	2550	2290	1760.81	2490	2370	3060	3030	2900
146	4,155.84	6	3470	4200	4010	3160			2610	2440	4170	3960	4200
146/161	7,272.73	2					5270	5918.47					
147/149	7,402.60	7	6340	7450	7140	6040	4640		5410	5030	7110	4870	7400
148	3,376.62	8	3480	3360	3110	2410	2210	2330.96	2480	2330	3190	2990	3200
150	3,376.62	7	3740	3530	3580	2650	2400		2800	2580	3210	3070	3200
150/152	6,883.12	1						4792.3					
152	3,506.49	7	3890	3790	3910	2890	2510		2930	2730	3710	3630	3300
153/168	16,623.38	7	11800	13600	13600	12400	11000		10300	9310	14400	13600	13000
154	3,636.36	5	3480	3310	3270				2230	1980	3000	2830	3100
155	3,376.62	8	3320	3130	3180	2890	2190	3392.54	2640	2410	2850	2930	2700
156/157	5,844.16	8	4720	5450	5650	5240	4300	4047.27	4250	3850	4510	4520	4200
158	2,857.14	8	2160	2780	2730	2310	2160	2032.69	1890	1690	2580	2530	2900
159	3,766.23	8	3040	3780	4020	2980	2600	5631.77	2380	2030	3120	3160	3800
160	3,376.62	4		3170	3280				2240	2090	2030	2530	3400
161	3,116.88	6	2420	2420	2490	2330			2020	1830	2440	2440	3200
162	3,376.62	8	2860	3110	3340	2730	1510	3448.71	2230	1990	2790	2770	3600
164	3,246.75	5	2720	2950	3000	2620			2500	2340	2290	2150	
165	3,636.36	8	2840	3420	3360	2710	2950	3544.13	2400	2190	3030	3080	3600
167	2,987.01	8	2330	2760	2860	2580	2180	2643.63	2170	2010	2220	2060	2200
169	3,116.88	8	2530	3320	3340	3120	2610	2873.39	2560	2300	2480	2590	3100
170	3,246.75	8	2510	2850	2670	2910	2260	3018.61	2260	2090	3220	3070	2200
171/173	7,402.60	7	5570	6900	6650	6590	4750		5140	4860	7120	6490	7200
171/173/181	10,519.48	1						12245.86					

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Appendix B. Reported Reagent Water Results by Lab Group Code (Spike Level)
Lab Group Code=RW-I

PCB	Spike level (pg/L)	# labs	Lab 1	Lab 2	Lab 2	Lab 3	Lab 4	Lab 5	Lab 6	Lab 6	Lab 7	Lab 7	Lab 8
172	3,246.75	8	2510	2670	2620	2680	2110	3915.22	2100	1930	3100	2960	3200
174	4,155.84	6	3810	4930	4560	4080			3250	3040	4500	3890	4000
174/183/185	10,389.61	2					7360	19726.38*					
175	3,636.36	8	3390	3270	3340	2830	2420	12479.07	2330	2180	3260	2850	3500
176	2,987.01	8	2880	2410	2450	2420	1940	4080.2	2190	1930	3010	2670	2900
177	4,155.84	8	3410	4270	4250	3900	2770	5009.08	3020	2870	4470	4120	4200
178	3,246.75	8	2910	2550	2750	2680	2310	12362.07	2230	2040	3210	2900	3300
179	4,155.84	8	4500	4650	4610	3560	2990	4603.1	3250	2990	4420	4070	4100
180/193	7,402.60	8	6140	6840	6340	6510	4910	7343.32	5360	4890	7020	6730	6300
181	3,116.88	7	2070	2420	2370	2540	1800		1930	1720	2570	2490	3000
182	3,506.49	7	3120	2950	2830	2770	2230		2170	1950	3050	2720	3400
182/187	7,662.34	1						7815.01					
183	3,246.75	2		2360	2040				2020	1560			
183/185	6,233.77	4	4170			4990					5050	4130	5900
184	3,506.49	8	3060	2950	2980	2220	1860	2817.21	1830	1600	2500	2220	2700
185	2,987.01	2		2370	2610				1780	1970			
186	3,766.23	8	3580	4230	3990	3230	2720	5778.68	2720	2510	3450	3120	3600
187	4,155.84	7	4320	4110	3970	3580	3000		2770	2580	3740	3370	3300
188	3,376.62	8	2890	2990	2800	2900	1960	2466.83*	2130	2050	2600	2680	2800
189	2,987.01	8	2450	2920	3060	2670	2450	2952.56	2190	1900	1960	2250	2600
190	2,857.14	8	2210	2930	2890	2670	2140	2096.42	2080	1960	3090	2910	3100
191	2,857.14	8	2210	2900	2750	2490	1840	2670.34	2000	1810	2840	2680	3000
192	3,766.23	8	2730	3760	3550	3140	2270	3769.2	2400	2160	3310	3140	3700
194	4,155.84	8	3500	4950	4350	3900	3160	2797.91	3110	3030	3990	4130	3500
195	4,155.84	8	3560	4620	4340	3590	3340	3091.1	3030	2930	4020	4260	2600

*** Indicates reported value does not meet one or more qualitative criteria and is not used in subsequent statistical analyses**
Note: A blank cell indicates PCB reported as coeluting with another PCB and reported elsewhere

Appendix B. Reported Reagent Water Results by Lab Group Code (Spike Level)
Lab Group Code=RW-I

PCB	Spike level (pg/L)	# labs	Lab 1	Lab 2	Lab 2	Lab 3	Lab 4	Lab 5	Lab 6	Lab 6	Lab 7	Lab 7	Lab 8
196	3,246.75	7	2650	2900	2600	2440	2670		1940	1880	2860	3070	3200
196/203	7,402.60	1						8620.68					
197	3,246.75	3		2520	2110				1780	1390			2300
197/200	6,883.12	5	5450			4960	4420	5636.33			5370	5350	
198/199	7,922.08	8	6980	8580	8090	6320	6850	5993.3	4890	4710	6780	6750	7600
200	3,636.36	3		4020	3890				2130	2280			3600
201	3,636.36	8	2720	3260	3310	2520	2090	3753.06	2070	1900	3040	2930	3000
202	3,636.36	8	2880	3110	2920	3080	2300	2405.91*	2310	2230	2560	2650	2500
203	4,155.84	7	3780	4330	4030	3310	3400		2470	2400	3500	3180	4100
204	3,506.49	8	2440	2750	2740	2080	2140	3416.61	1690	1530	2490	2540	2700
205	3,246.75	8	2480	3270	3220	2860	2340	2620.27	2320	2120	2720	2760	3000
206	4,155.84	8	3670	4360	4280	3640	3030	3241.67	3020	2570	3320	3460	2900
207	2,857.14	8	1820	2530	2620	2120	1700	1947.03	1740	1590	2500	2490	2300
208	2,857.14	8	1900	2500	2590	2370	1740	1748.16	1700	1540	2010	2110	1700
209	2,857.14	8	2090	2580	2640	2510	1980	1576.54	2020	2160	2480	2240	1400

*** Indicates reported value does not meet one or more qualitative criteria and is not used in subsequent statistical analyses**
Note: A blank cell indicates PCB reported as coeluting with another PCB and reported elsewhere

Appendix B. Reported Reagent Water Results by Lab Group Code (Spike Level)
Lab Group Code=RW-J

PCB	Spike level (pg/L)	# labs	Lab 1	Lab 2	Lab 3	Lab 4	Lab 5	Lab 6	Lab 7	Lab 8
1	4,795.20	8	5780	5250	5170	4720	5841.02	4750	5680*	5200
2	4,795.20	8	5300	5430	5500	4130	7846.69	4850	6860	6300
3	4,795.20	8	5310	5320	5110	4190	6638.87	4710	5130	5000
4	8,541.46	8	9780	9140	9130	7950	112.28	9360	10300*	11000
5	3,746.25	6	3730	3480	3900	2540		3720	5580	
5/ 8	12,287.71	2					31332.1			11000
6	4,795.20	8	5590	5130	4760	3400	4523.67	4560	6180	6300
7	3,746.25	8	3680	3160	3420	2330	2888.05	3060	3910	4700
8	8,541.46	6	9640	9070	7980	5910		7060	10300	
9	4,795.20	8	5620	4980	4440	3300	5221.57	4290	6860	5600
10	3,746.25	8	3870	3640	3170	2630	2767.55	3320	3950	4100
11	3,596.40	8	3490	3410	3870	2510	4504.12	2970	4240	4200
12/ 13	7,642.36	8	7340	7020	8050	4910	8573.93	5760	8390	8200
14	4,195.80	8	4230	3850	4320	2520	3518.08	3730	5610	5300
15	3,296.70	8	3380	3330	3570	2410	4012.5	2870	3210	3200
16	4,795.20	5	6250	6120	5040			6180	5750	
16/ 24	8,541.46	1								9800
16/ 24/ 27	11,838.16	2				7770	3420.29			
17	3,746.25	8	4150	3760	3150	2400	3276.87	3140	3920	4200
18/ 30	12,887.11	8	14000	13700	9420	7350	9812.7	10100	13400	11000
19	4,795.20	8	6270	5440	5580	3990	5963.36	4990	6080	6500
20/ 21/ 28/ 33	15,134.87	2				9870	13914.02			
20/ 28	8,091.91	6	7770	8530	7310			6210	8150	6700
21/ 33	7,042.96	6	6880	6180	6420			5820	7320	7700
22	4,795.20	8	5310	5160	5120	3540	4605.98	4260	5090	5800

*** Indicates reported value does not meet one or more qualitative criteria and is not used in subsequent statistical analyses**
Note: A blank cell indicates PCB reported as coeluting with another PCB and reported elsewhere

Appendix B. Reported Reagent Water Results by Lab Group Code (Spike Level)
Lab Group Code=RW-J

PCB	Spike level (pg/L)	# labs	Lab 1	Lab 2	Lab 3	Lab 4	Lab 5	Lab 6	Lab 7	Lab 8
23	3,896.10	7	3590	3720	3210	2340		2940	3620*	4500
23/ 34	7,192.81	1					7916.12			
24	3,746.25	5	4380	3810	3120			3080	3650	
25	4,795.20	8	5060	4870	4110	2900	5030.18	4160	4620	5100
26/ 29	7,042.96	8	6360	6660	5740	4290	8078.81	5350	7430	7400
27	3,296.70	6	3660	3920	2740			2970	4250	4100
31	3,746.25	8	3530	3260	3030	2360	3743.4	2800	4060	4000
32	3,746.25	8	4020	3780	3080	2540	3016.7	3160	3750*	4300
34	3,296.70	7	2880	3390	2660	2030		2670	3770	3500
35	4,195.80	8	3040	4040	4280	2670	4437.77	3100	4230	4300
36	4,045.95	8	2440	3540	3460	2480	3247	2720	2690*	3800
37	3,746.25	8	3090	3670	3260	2490	3573.98	2670	3620	3300
38	3,596.40	8	2870	3150	3230	2330	3652.89	2530	3500	3500
39	3,896.10	8	2680	3450	3430	2290	3554.15	2720	3380*	3800
40/ 41/ 71	11,838.16	6	11900		11900	10200	12212.01	11500		14000
40/ 71	8,091.91	2		9460					9180	
41	3,746.25	2		3490					3860	
42	3,296.70	7	2670	3550	3050	2730		3180	3530	3800
42/ 59/ 62/ 75	14,835.16	1					14398.87			
43	4,345.65	6	3050	5410	3800			4200	5230*	3700
43/ 52/ 73	17,082.92	2				12700	20043.75			
44/ 47/ 65	11,688.31	8	8660	11500	9640	8760	10914.35	9600	12000	11000
45	3,746.25	1		3650						
45/ 51	7,942.06	7	8710		6090	6110	8188.86	6760	7890	9200
46	3,746.25	8	4150	3490	3030	3160	3515.75	3210	3510	4200

*** Indicates reported value does not meet one or more qualitative criteria and is not used in subsequent statistical analyses**
Note: A blank cell indicates PCB reported as coeluting with another PCB and reported elsewhere

Appendix B. Reported Reagent Water Results by Lab Group Code (Spike Level)
Lab Group Code=RW-J

PCB	Spike level (pg/L)	# labs	Lab 1	Lab 2	Lab 3	Lab 4	Lab 5	Lab 6	Lab 7	Lab 8
48	3,746.25	8	2810	3340	3180	2870	4392.28	3160	3130*	4200
49/ 69	6,743.26	8	4340	6190	5250	4860	5447.68	5610	4910	7300
50/ 53	7,792.21	8	8940	7640	5730	5670	9138.37	6630	7640	9300
51	4,195.80	1		4200						
52	8,541.46	6	7860	9080	6950			7960	10100	9900
54	4,195.80	8	3870	4430	4200	3490	4066.2	4090	4430*	4600
55	4,345.65	7	3140	4370	4070	2720		3270	4350	4500
55/ 66	9,140.86	1					11120.4			
56	4,795.20	7	4410	4970	5090	3380		4160	5540	5500
56/ 60	8,541.46	1					11343.95			
57	3,596.40	8	2500	2990	2840	2190	6012.49	2660	3720	3500
58	4,345.65	7	3030	4350	3740	2720		3200	4150	4500
58/ 67	9,140.86	1					11743.01			
59/ 62/ 75	11,538.46	7	8860	10600	9080	8070		9110	11600	12000
60	3,746.25	7	3040	3110	3550	2420		2850	3770	4000
61/ 70/ 74/ 76	16,483.52	8	11900	14700	14200	10200	23371.37	12300	16900	17000
63	3,446.55	8	2400	2610	2670	1940	4424.59	2500	3500	3400
64	3,446.55	8	3000	2900	3080	2550	2659.24*	3100	3480	3500
66	4,795.20	7	3750	4600	4290	3080		3730	5090	3300
67	4,795.20	7	3610	4590	3900	2800		3510	4570	4400
68	3,896.10	8	2640	3260	2810	2110	5005.8	2630	3420	3700
72	4,045.95	8	2950	3450	2850	2220	5705.04	2890	4170	4300
73	4,195.80	6	3440	3880	3430			3230	3770*	4500
77	3,446.55	8	2850	3520	3020	2590	3366.54	2620	2860	3000
78	4,045.95	8	3430	3650	3800	2620	4106.6	2880	4060	3900

*** Indicates reported value does not meet one or more qualitative criteria and is not used in subsequent statistical analyses**
Note: A blank cell indicates PCB reported as coeluting with another PCB and reported elsewhere

Appendix B. Reported Reagent Water Results by Lab Group Code (Spike Level)
Lab Group Code=RW-J

PCB	Spike level (pg/L)	# labs	Lab 1	Lab 2	Lab 3	Lab 4	Lab 5	Lab 6	Lab 7	Lab 8
79	4,045.95	8	3340	3550	3520	2590	4084.08	2730	4170	4000
80	3,896.10	8	2730	3140	2860	2140	4148.94	2300	3280	3400
81	4,195.80	8	3550	3970	3570	3170	4435.62	3050	3380	3600
82	4,795.20	8	4580	5370	4650	4370	804.2*	4180	4900	5200
83	3,746.25	3		3510					3970	4800
83/ 99	8,541.46	3	7580		7240			6870		
83/ 99/112	12,887.11	2				10100	8653.53			
84	3,746.25	8	3330	3700	3360	3250	3150.9	3360	3820	4200
85/116	7,342.66	1		6160						
85/116/117	11,538.46	7	9580		9350	8400	4475.66	7140	10900	20000
86/ 87/ 97/108/119/125	23,376.62	5	19500	23200	19700		14279.5		23800	
86/ 87/ 97/109/119/125	22,777.22	3				18500		18000		24000
88	3,896.10	1		3900						
88/ 91	7,342.66	7	6170		6000	5810	7691.18	6140	7220	8100
89	4,045.95	8	3580	4380	3610	3510	3998.63	3650	4400	4500
90/101/113	11,088.91	8	9150	11000	8920	8510	9520.61	8390	9830	7600
91	3,446.55	1		3230						
92	3,296.70	8	2710	3540	2680	2640	3202.69	2650	3250	3600
93/ 95/ 98/100/102	18,881.12	1			15000					
93/ 98/100/102	15,134.87	4	12900			11900	13466.7	13100		
93/100	7,492.51	3		8330					6620	7700
94	3,896.10	8	3440	4170	3290	3280	3651.7	3470	3830	4400
95	3,746.25	7	3200	3710		3390	8877.62	3350	4080	4200
96	4,045.95	8	5960	4350	2910	3100	2698.23	3530	3910	4700
98	4,045.95	1		4170						

*** Indicates reported value does not meet one or more qualitative criteria and is not used in subsequent statistical analyses**
Note: A blank cell indicates PCB reported as coeluting with another PCB and reported elsewhere

Appendix B. Reported Reagent Water Results by Lab Group Code (Spike Level)
Lab Group Code=RW-J

PCB	Spike level (pg/L)	# labs	Lab 1	Lab 2	Lab 3	Lab 4	Lab 5	Lab 6	Lab 7	Lab 8
98/102	7,642.36	2							8540	7900
99	4,795.20	3		4570					4740	3900
102	3,596.40	1		3230						
103	3,746.25	8	3080	3400	2690	3000	5106.65	3020	4010	3900
104	3,446.55	8	4160	3480	3510	2790	3896.77	3070	3710*	3400
105	3,296.70	8	2810	3320	2860	2630	3034.9	2480	2850	2600
106	4,045.95	7	3490	3510	3380	3140		2900	3500	3800
106/107/123	11,538.46	1				7010				
106/109/123	11,238.76	1					12425.46			
107	4,045.95	2						2370		3700
107/124	8,241.76	5	7100	7350	7120		9172.86		8010	
108/124	8,541.46	3				5220		5550		8000
109	3,746.25	4	3160	3020	3080				3810	
110	4,795.20	1		5840						
110/115	8,541.46	7	7770		7850	7440	3956.33	8080	9260	20000
111	3,896.10	8	2880	3400	2890	2980	1147.28	2260	2980*	3500
112	4,345.65	6	3450	4940	3470			3390	3660	4600
114	3,446.55	7	2700	3200	2810	2520		2400	2670	2100
114/122	7,642.36	1					6559.15			
115	3,746.25	1		3020						
117	4,195.80	1		4770						
118	7,042.96	8	5580	6050	5620	4970	5638.18	5100	5540	4600
120	4,345.65	8	3040	3940	3090	3050	3759.55	2520	3300	3700
121	3,896.10	7	2870	3640	2790		3329.75	2640	3380	3900
122	4,195.80	7	3810	3940	3820	2770		2930	4370	4100

*** Indicates reported value does not meet one or more qualitative criteria and is not used in subsequent statistical analyses**
Note: A blank cell indicates PCB reported as coeluting with another PCB and reported elsewhere

Appendix B. Reported Reagent Water Results by Lab Group Code (Spike Level)
Lab Group Code=RW-J

PCB	Spike level (pg/L)	# labs	Lab 1	Lab 2	Lab 3	Lab 4	Lab 5	Lab 6	Lab 7	Lab 8
123	3,446.55	6	2800	2940	2900			2180	2600	2100
126	3,596.40	8	3290	3780	3300	2860	3021.8	2910	3050	3100
127	3,596.40	8	3190	3120	3350	2540	3180.79	2280	3520	3500
128/166	7,342.66	8	6070	7310	6800	6400	6202.24	4980	7000	6400
129/138/160/163	16,333.67	4	13500		14500	13400	14761.57			
129/138/163	12,437.56	4		10700				9030	13100	9400
130	4,195.80	7	3400	3790	3580	3440		2910	3900	4200
130/137/164	11,388.61	1					6788.6			
131	3,746.25	6	3080	3310	3020			3030	3870	3900
131/142	7,642.36	1					9883.35			
132	3,746.25	8	3140	3380	3440	3350	3338.62	3040	3770	4300
133	3,596.40	8	2620	2890	2680	2860	2713.82	2420	3170	3600
134	3,296.70	2		3440					4030	
134/143	7,192.81	5	6040		6090	6360		6100		7700
134/147/149	11,838.16	1					12396.8			
135/151	7,042.96	5	7070	6740				5800	2710*	8100
135/151/154	11,238.76	3			8520	7540	12252.09			
136	3,296.70	8	3490	3850	2590	2650	3030.18	3050	3300	3800
137	3,446.55	5	2430	2270	2940			1810	3970	
137/164	7,192.81	2				5740				6100
139/140	7,492.51	8	5560	6290	5570	5730	6053	4950	6610	7200
141	3,746.25	7	3040	3070	3070	3080		2390	2570	3700
141/153/168	22,927.07	1					18810.94			
142	3,896.10	7	3050	3610	3160	3250		2950	3790	3900
143	3,896.10	3		3880			4196.26		3680	

*** Indicates reported value does not meet one or more qualitative criteria and is not used in subsequent statistical analyses**
Note: A blank cell indicates PCB reported as coeluting with another PCB and reported elsewhere

Appendix B. Reported Reagent Water Results by Lab Group Code (Spike Level)
Lab Group Code=RW-J

PCB	Spike level (pg/L)	# labs	Lab 1	Lab 2	Lab 3	Lab 4	Lab 5	Lab 6	Lab 7	Lab 8
144	3,296.70	8	3130	3300	2580	2250	10603.4	2570	3070	3500
145	3,596.40	8	3760	3340	2840	2590	2413.61	3100	3410	4000
146	4,795.20	6	3940	4610	3680			2930	4670	4500
146/161	8,391.61	2				6530	6983.76			
147/149	8,541.46	7	7220	7790	6970	4890		6710	10400	9100
148	3,896.10	8	3670	3530	2740	2470	3016.61	2970	3400	3800
150	3,896.10	7	3950	3890	2980	2690		3440	3330	4200
150/152	7,942.06	1					6387.68			
152	4,045.95	7	4330	4320	3140	2940		3610	3950	4800
153/168	19,180.82	7	13500	15100	14000	13500		11500	16800	14000
154	4,195.80	5	3640	3640				2590	3450*	3600
155	3,896.10	8	3460	3550	3330	2500	3682.85	2880	3320	3300
156/157	6,743.26	8	5510	6320	6080	4820	4699.03	5140	5430	4400
158	3,296.70	8	2500	2980	2850	2690	2382.33	2110	2470*	3300
159	4,345.65	8	3400	4390	3600	3320	6457.25	2720	3910	3900
160	3,896.10	4		3560				2540	2560	6400
161	3,596.40	6	2550	2770	2640			2240	2520	3600
162	3,896.10	8	3250	3720	3470	1530	4177.91	2570	3500	3700
164	3,746.25	5	3050	3180	3420			2820	2810	
165	4,195.80	8	3130	3700	3230	3450	3351.23	2740	3690	4100
167	3,446.55	8	2770	3270	3010	2650	3070.88	2500	2460	2200
169	3,596.40	8	3190	3710	3710	2920	3258.49	3200	3060	3300
170	3,746.25	8	3000	2990	3670	2860	2664.83*	2810	3480	2300
171/173	8,541.46	7	6820	7650	8130	6600		5680	7310	8000
171/173/181	12,137.86	1					12766.78*			

*** Indicates reported value does not meet one or more qualitative criteria and is not used in subsequent statistical analyses**
Note: A blank cell indicates PCB reported as coeluting with another PCB and reported elsewhere

Appendix B. Reported Reagent Water Results by Lab Group Code (Spike Level)
Lab Group Code=RW-J

PCB	Spike level (pg/L)	# labs	Lab 1	Lab 2	Lab 3	Lab 4	Lab 5	Lab 6	Lab 7	Lab 8
172	3,746.25	8	2930	2950	3520	2740	3003.1*	2140	3310	3500
174	4,795.20	6	4450	5160	4900			3690	4130	4800
174/183/185	11,988.01	2				10800	22096.62			
175	4,195.80	8	3940	3790	3580	3480	14064.04	2600	3230	4100
176	3,446.55	8	3250	2790	3000	2790	5163.23	2540	3010	3700
177	4,795.20	8	4110	4980	4760	3760	4561.81*	3440	4640	4800
178	3,746.25	8	3370	3160	3380	3420	15271.59	2490	2280*	4000
179	4,795.20	8	5150	5320	4310	4350	5794.78	3880	4710	5500
180/193	8,541.46	8	7400	7210	8240	6450	7143.52*	6110	7560	6700
181	3,596.40	7	2460	2710	3180	2470		2030	2750	3100
182	4,045.95	7	3500	3280	3490	3140		2300	2840	3800
182/187	8,841.16	1					16815.26			
183	3,746.25	2		2450				2240		
183/185	7,192.81	4	4960		6380				5830	6400
184	4,045.95	8	3480	3440	2620	2670	3522.08	2060	2380	3100
185	3,446.55	2		2890				1980		
186	4,345.65	8	4210	4590	4040	3900	7206.28	3080	3410	4700
187	4,795.20	7	4840	4670	4540	4450		3020	3660	3700
188	3,896.10	8	3220	3160	3360	2660	2955.88*	2460	3110	3400
189	3,446.55	8	2900	3490	3140	2850	2962.67	2510	2720	2900
190	3,296.70	8	2650	3270	3430	2580	1720.89*	2290	3250	3400
191	3,296.70	8	2680	3220	3250	2380	2813.14	2070	3020	3200
192	4,345.65	8	3360	4010	4090	3030	3366.28*	2450	3760	3900
194	4,795.20	8	4370	5140	4470	3060	3366.43	4060	4740	3700
195	4,795.20	8	4500	4860	4560	3060	3844.64	3830	4920	2800

*** Indicates reported value does not meet one or more qualitative criteria and is not used in subsequent statistical analyses**
Note: A blank cell indicates PCB reported as coeluting with another PCB and reported elsewhere

Appendix B. Reported Reagent Water Results by Lab Group Code (Spike Level)
Lab Group Code=RW-J

PCB	Spike level (pg/L)	# labs	Lab 1	Lab 2	Lab 3	Lab 4	Lab 5	Lab 6	Lab 7	Lab 8
196	3,746.25	7	3120	2990	3360	2520		2090	3510	3200
196/203	8,541.46	1					11055.17			
197	3,746.25	3		2390				1810		2300
197/200	7,942.06	5	6440		6790	4920	7367.34		6480	
198/199	9,140.86	8	8350	8950	8550	6700	7520.02	5220	7530	8100
200	4,195.80	3		4140				2240		4100
201	4,195.80	8	3310	3560	3370	2410	5004.93	2200	3260	3300
202	4,195.80	8	3320	3310	3550	2450	3050.26	2690	3060	2900
203	4,795.20	7	4440	4650	4600	3330		2720	3470	4200
204	4,045.95	8	2920	3020	2850	2380	4190.75	1720	2960	2600
205	3,746.25	8	3130	3650	3440	2620	3286.9	2870	3280	3300
206	4,795.20	8	4480	4880	4550	3520	3982.34	3500	4010	2400
207	3,296.70	8	2360	3010	2810	2040	2327.32	2220	3190	1600
208	3,296.70	8	2360	2940	2970	2020	2136.67	2120	2550	1400
209	3,296.70	8	2680	3110	3160	2360	1725.65	2610	2720	620

** Indicates reported value does not meet one or more qualitative criteria and is not used in subsequent statistical analyses*
Note: A blank cell indicates PCB reported as coeluting with another PCB and reported elsewhere

C

**ASTM D2777–03 FINAL REAGENT WATER
STATISTICAL SUMMARY BY PCB**

Appendix C. ASTM D2777-03 Final Reagent Water Statistical Summary by PCB

PCB=1

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	7.00	7.00	7.00	15.0	8.00	9.00	7.00	10.0	7.00
Number of laboratories	7.00	7.00	7.00	8.00	8.00	7.00	7.00	8.00	7.00
True concentration (pg/L)	32.0	63.9	240	480	959	1918	2238	4156	4795
Mean recovery (pg/L)	36.8	68.6	236	500	1017	2049	2365	4243	5244
Percent recovery (%)	115	107	98.5	104	106	107	106	102	109
Overall standard deviation (pg/L)	13.4	15.2	42.5	65.1	100	182	321	811	442
Overall relative standard deviation (%)	36.5	22.2	18.0	13.0	9.86	8.88	13.6	19.1	8.42

Statistic	Low	Mid	High
Number of usable pairs	7.00	7.00	7.00
Single-operator standard deviation (pg/L)	56.57	132.32	556.64

PCB=2

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	7.00	8.00	8.00	16.0	8.00	11.0	8.00	11.0	8.00
Number of laboratories	7.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00
True concentration (pg/L)	32.0	63.9	240	480	959	1918	2238	4156	4795
Mean recovery (pg/L)	34.7	69.7	262	532	1080	2184	2600	4928	5777
Percent recovery (%)	109	109	109	111	113	114	116	119	120
Overall standard deviation (pg/L)	9.45	15.8	66.6	97.8	212	430	622	829	1179
Overall relative standard deviation (%)	27.2	22.6	25.4	18.4	19.7	19.7	23.9	16.8	20.4

Statistic	Low	Mid	High
Number of usable pairs	8.00	8.00	8.00
Single-operator standard deviation (pg/L)	28.34	178.80	297.79

Appendix C. ASTM D2777-03 Final Reagent Water Statistical Summary by PCB

PCB=3

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	6.00	8.00	7.00	15.0	8.00	11.0	8.00	10.0	8.00
Number of laboratories	6.00	8.00	7.00	8.00	8.00	8.00	8.00	8.00	8.00
True concentration (pg/L)	32.0	63.9	240	480	959	1918	2238	4156	4795
Mean recovery (pg/L)	36.9	66.7	230	492	995	2011	2335	4423	5176
Percent recovery (%)	115	104	95.8	103	104	105	104	106	108
Overall standard deviation (pg/L)	15.8	15.6	41.5	77.4	137	291	424	509	697
Overall relative standard deviation (%)	42.8	23.4	18.1	15.7	13.7	14.4	18.1	11.5	13.5

Statistic	Low	Mid	High
Number of usable pairs	7.00	8.00	8.00
Single-operator standard deviation (pg/L)	26.36	116.41	243.04

PCB=4

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	5.00	8.00	8.00	15.0	8.00	11.0	8.00	11.0	7.00
Number of laboratories	5.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	7.00
True concentration (pg/L)	56.9	114	427	854	1708	3417	3986	7403	8541
Mean recovery (pg/L)	60.2	134	458	901	1834	3770	4338	7578	8067
Percent recovery (%)	106	117	107	106	107	110	109	102	94.5
Overall standard deviation (pg/L)	6.07	36.3	61.6	127	221	433	635	1515	3624
Overall relative standard deviation (%)	10.1	27.2	13.4	14.1	12.1	11.5	14.6	20.0	44.9

Statistic	Low	Mid	High
Number of usable pairs	7.00	8.00	7.00
Single-operator standard deviation (pg/L)	115.66	218.71	3459.2

Appendix C. ASTM D2777-03 Final Reagent Water Statistical Summary by PCB

PCB=5

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	2.00	4.00	5.00	10.0	6.00	8.00	5.00	8.00	6.00
Number of laboratories	2.00	4.00	5.00	5.00	6.00	6.00	5.00	6.00	6.00
True concentration (pg/L)	25.0	50.0	187	375	749	1499	1748	3247	3746
Mean recovery (pg/L)	20.9	41.0	150	331	650	1444	1520	2827	3825
Percent recovery (%)	83.7	82.0	80.0	88.4	86.7	96.3	86.9	87.1	102
Overall standard deviation (pg/L)	6.65	7.32	29.8	59.0	93.0	291	299	565	988
Overall relative standard deviation (%)	31.8	17.9	19.9	17.8	14.3	20.2	19.7	20.0	25.8

Statistic	Low	Mid	High
Number of usable pairs	5.00	5.00	6.00
Single-operator standard deviation (pg/L)	4.93	140.69	881.25

PCB=5/ 8

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	1.00	2.00	1.00	4.00	2.00	2.00	2.00	2.00	2.00
Number of laboratories	1.00	2.00	1.00	2.00	2.00	2.00	2.00	2.00	2.00
True concentration (pg/L)	81.9	164	614	1229	2458	4915	5734	11E3	12E3
Mean recovery (pg/L)	70.0	471	510	2105	4046	8151	11E3	16E3	21E3
Percent recovery (%)	85.5	287	83.0	171	165	166	185	154	172
Overall standard deviation (pg/L)	.	468	.	1717	2894	5870	8084	14E3	14E3
Overall relative standard deviation (%)	.	99.4	.	81.6	71.5	72.0	76.1	84.4	67.9

Statistic	Low	Mid	High
Number of usable pairs	2.00	2.00	2.00
Single-operator standard deviation (pg/L)	57.00	1565.5	403.01

Appendix C. ASTM D2777-03 Final Reagent Water Statistical Summary by PCB

PCB=6

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	5.00	7.00	7.00	16.0	8.00	11.0	8.00	11.0	8.00
Number of laboratories	5.00	7.00	7.00	8.00	8.00	8.00	8.00	8.00	8.00
True concentration (pg/L)	32.0	63.9	240	480	959	1918	2238	4156	4795
Mean recovery (pg/L)	34.5	68.8	225	467	943	1946	2290	4036	5055
Percent recovery (%)	108	108	94.0	97.4	98.4	101	102	97.1	105
Overall standard deviation (pg/L)	7.60	13.7	51.5	79.8	175	367	503	610	961
Overall relative standard deviation (%)	22.0	20.0	22.9	17.1	18.5	18.9	22.0	15.1	19.0

Statistic	Low	Mid	High
Number of usable pairs	8.00	8.00	8.00
Single-operator standard deviation (pg/L)	41.29	155.91	519.97

PCB=7

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	3.00	5.00	7.00	16.0	7.00	11.0	8.00	11.0	8.00
Number of laboratories	3.00	5.00	7.00	8.00	7.00	8.00	8.00	8.00	8.00
True concentration (pg/L)	25.0	50.0	187	375	749	1499	1748	3247	3746
Mean recovery (pg/L)	25.9	50.8	140	308	629	1332	1532	2587	3394
Percent recovery (%)	104	102	74.5	82.3	84.0	88.9	87.6	79.7	90.6
Overall standard deviation (pg/L)	10.0	14.9	57.2	59.2	134	292	348	480	718
Overall relative standard deviation (%)	38.6	29.3	40.9	19.2	21.2	21.9	22.7	18.6	21.2

Statistic	Low	Mid	High
Number of usable pairs	8.00	8.00	8.00
Single-operator standard deviation (pg/L)	45.25	111.55	556.64

Appendix C. ASTM D2777-03 Final Reagent Water Statistical Summary by PCB

PCB=8

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	3.00	4.00	6.00	11.0	6.00	9.00	6.00	9.00	6.00
Number of laboratories	3.00	4.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00
True concentration (pg/L)	56.9	114	427	854	1708	3417	3986	7403	8541
Mean recovery (pg/L)	54.1	103	388	785	1607	3258	3732	7135	8327
Percent recovery (%)	95.0	90.7	90.9	91.8	94.1	95.3	93.6	96.4	97.5
Overall standard deviation (pg/L)	9.16	16.1	83.1	146	271	645	932	1302	1657
Overall relative standard deviation (%)	16.9	15.6	21.4	18.6	16.9	19.8	25.0	18.3	19.9

Statistic	Low	Mid	High
Number of usable pairs	5.00	6.00	6.00
Single-operator standard deviation (pg/L)	31.60	297.77	403.95

PCB=9

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	4.00	6.00	7.00	14.0	7.00	9.00	7.00	10.0	8.00
Number of laboratories	4.00	6.00	7.00	7.00	7.00	7.00	7.00	8.00	8.00
True concentration (pg/L)	32.0	63.9	240	480	959	1918	2238	4156	4795
Mean recovery (pg/L)	32.6	64.2	215	442	906	1848	2222	3803	5039
Percent recovery (%)	102	100	89.8	92.2	94.5	96.4	99.3	91.5	105
Overall standard deviation (pg/L)	10.9	14.2	44.7	69.9	162	295	524	609	1066
Overall relative standard deviation (%)	33.5	22.1	20.8	15.8	17.9	16.0	23.6	16.0	21.1

Statistic	Low	Mid	High
Number of usable pairs	7.00	7.00	8.00
Single-operator standard deviation (pg/L)	25.09	198.59	767.65

Appendix C. ASTM D2777-03 Final Reagent Water Statistical Summary by PCB

PCB=10

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	5.00	8.00	8.00	16.0	8.00	11.0	8.00	11.0	8.00
Number of laboratories	5.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00
True concentration (pg/L)	25.0	50.0	187	375	749	1499	1748	3247	3746
Mean recovery (pg/L)	20.7	46.6	147	316	637	1350	1525	2560	3431
Percent recovery (%)	83.0	93.4	78.3	84.3	85.0	90.1	87.2	78.8	91.6
Overall standard deviation (pg/L)	6.65	7.45	40.8	64.5	111	244	260	587	550
Overall relative standard deviation (%)	32.1	16.0	27.8	20.4	17.4	18.1	17.1	22.9	16.0

Statistic	Low	Mid	High
Number of usable pairs	8.00	8.00	8.00
Single-operator standard deviation (pg/L)	49.89	49.79	571.54

PCB=11

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	6.00	7.00	8.00	16.0	8.00	11.0	8.00	11.0	8.00
Number of laboratories	6.00	7.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00
True concentration (pg/L)	24.0	48.0	180	360	719	1439	1678	3117	3596
Mean recovery (pg/L)	32.8	113	208	386	718	1447	1782	3062	3649
Percent recovery (%)	137	235	116	107	99.8	101	106	98.2	101
Overall standard deviation (pg/L)	8.71	139	113	133	182	286	529	508	684
Overall relative standard deviation (%)	26.5	123	54.4	34.5	25.3	19.7	29.7	16.6	18.7

Statistic	Low	Mid	High
Number of usable pairs	8.00	8.00	8.00
Single-operator standard deviation (pg/L)	26.49	287.84	232.08

Appendix C. ASTM D2777-03 Final Reagent Water Statistical Summary by PCB

PCB=12/ 13

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	4.00	7.00	8.00	15.0	7.00	10.0	7.00	10.0	8.00
Number of laboratories	4.00	7.00	8.00	8.00	7.00	8.00	7.00	8.00	8.00
True concentration (pg/L)	50.9	102	382	764	1528	3057	3566	6623	7642
Mean recovery (pg/L)	45.7	92.5	289	648	1336	2807	3146	5780	7280
Percent recovery (%)	89.6	90.8	75.7	84.8	87.4	91.8	88.2	87.3	95.3
Overall standard deviation (pg/L)	11.2	21.5	78.2	130	251	489	813	1282	1328
Overall relative standard deviation (%)	24.6	23.3	27.0	20.1	18.8	17.4	25.8	22.2	18.2

Statistic	Low	Mid	High
Number of usable pairs	7.00	7.00	8.00
Single-operator standard deviation (pg/L)	37.32	269.42	966.17

PCB=14

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	6.00	6.00	7.00	15.0	8.00	11.0	8.00	11.0	8.00
Number of laboratories	6.00	6.00	7.00	8.00	8.00	8.00	8.00	8.00	8.00
True concentration (pg/L)	28.0	55.9	210	420	839	1678	1958	3636	4196
Mean recovery (pg/L)	23.8	53.6	168	366	752	1611	1846	3353	4135
Percent recovery (%)	85.0	95.7	80.1	87.3	89.7	96.0	94.3	92.2	98.5
Overall standard deviation (pg/L)	7.53	12.5	48.8	65.5	139	355	440	647	986
Overall relative standard deviation (%)	31.7	23.3	29.0	17.9	18.4	22.0	23.8	19.3	23.9

Statistic	Low	Mid	High
Number of usable pairs	7.00	8.00	8.00
Single-operator standard deviation (pg/L)	28.71	135.01	516.88

Appendix C. ASTM D2777-03 Final Reagent Water Statistical Summary by PCB

PCB=15

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	4.00	7.00	7.00	15.0	8.00	11.0	8.00	11.0	8.00
Number of laboratories	4.00	7.00	7.00	8.00	8.00	8.00	8.00	8.00	8.00
True concentration (pg/L)	22.0	44.0	165	330	659	1319	1538	2857	3297
Mean recovery (pg/L)	22.1	50.4	140	311	612	1274	1428	2788	3248
Percent recovery (%)	100	115	84.7	94.4	92.9	96.6	92.8	97.6	98.5
Overall standard deviation (pg/L)	3.44	23.0	17.8	50.4	105	193	257	387	472
Overall relative standard deviation (%)	15.6	45.7	12.8	16.2	17.2	15.1	18.0	13.9	14.5

Statistic	Low	Mid	High
Number of usable pairs	7.00	8.00	8.00
Single-operator standard deviation (pg/L)	21.26	84.48	113.64

PCB=16

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	5.00	5.00	5.00	10.0	5.00	7.00	4.00	8.00	5.00
Number of laboratories	5.00	5.00	5.00	5.00	5.00	5.00	4.00	5.00	5.00
True concentration (pg/L)	32.0	63.9	240	480	959	1918	2238	4156	4795
Mean recovery (pg/L)	41.7	75.5	280	572	1126	2310	2605	5200	5868
Percent recovery (%)	131	118	117	119	117	120	116	125	122
Overall standard deviation (pg/L)	8.66	13.1	51.2	64.8	151	264	299	511	502
Overall relative standard deviation (%)	20.8	17.3	18.3	11.3	13.4	11.4	11.5	9.83	8.55

Statistic	Low	Mid	High
Number of usable pairs	5.00	4.00	5.00
Single-operator standard deviation (pg/L)	64.07	211.92	198.15

Appendix C. ASTM D2777-03 Final Reagent Water Statistical Summary by PCB

PCB=16/ 24

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	.	1.00	1.00	2.00	1.00	1.00	1.00	1.00	1.00
Number of laboratories	.	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
True concentration (pg/L)	.	114	427	854	1708	3417	3986	7403	8541
Mean recovery (pg/L)	.	130	500	925	1900	3900	4900	7000	9800
Percent recovery (%)	.	114	117	108	111	114	123	94.6	115
Overall standard deviation (pg/L)	.	.	.	.	.	.	.	.	.
Overall relative standard deviation (%)	.	.	.	.	.	.	.	.	.

Statistic	Low	Mid	High
Number of usable pairs	1.00	1.00	1.00
Single-operator standard deviation (pg/L)	.	.	.

PCB=16/ 24/ 27

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	2.00	2.00	2.00	4.00	2.00	2.00	2.00	2.00	2.00
Number of laboratories	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
True concentration (pg/L)	78.9	158	592	1184	2368	4735	5524	1E4	12E3
Mean recovery (pg/L)	44.0	80.8	268	550	1052	2203	2690	4898	5595
Percent recovery (%)	55.7	51.2	45.3	46.4	44.4	46.5	48.7	47.7	47.3
Overall standard deviation (pg/L)	21.2	34.2	155	301	464	1226	1541	2604	3076
Overall relative standard deviation (%)	48.3	42.4	58.0	54.8	44.1	55.6	57.3	53.2	55.0

Statistic	Low	Mid	High
Number of usable pairs	2.00	2.00	2.00
Single-operator standard deviation (pg/L)	22.55	222.71	333.22

Appendix C. ASTM D2777-03 Final Reagent Water Statistical Summary by PCB

PCB=17

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	7.00	8.00	8.00	16.0	7.00	11.0	8.00	11.0	8.00
Number of laboratories	7.00	8.00	8.00	8.00	7.00	8.00	8.00	8.00	8.00
True concentration (pg/L)	25.0	50.0	187	375	749	1499	1748	3247	3746
Mean recovery (pg/L)	31.4	54.1	174	339	650	1392	1623	2961	3500
Percent recovery (%)	126	108	92.8	90.5	86.7	92.9	92.8	91.2	93.4
Overall standard deviation (pg/L)	11.8	16.7	33.4	58.2	111	270	318	517	617
Overall relative standard deviation (%)	37.6	30.8	19.2	17.2	17.1	19.4	19.6	17.5	17.6

Statistic	Low	Mid	High
Number of usable pairs	8.00	8.00	8.00
Single-operator standard deviation (pg/L)	25.93	81.07	251.17

PCB=18/ 30

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	8.00	8.00	8.00	16.0	8.00	11.0	8.00	11.0	8.00
Number of laboratories	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00
True concentration (pg/L)	85.9	172	644	1289	2577	5155	6014	11E3	13E3
Mean recovery (pg/L)	85.4	159	519	1045	2098	4335	5018	9248	11E3
Percent recovery (%)	99.4	92.6	80.5	81.1	81.4	84.1	83.4	82.8	86.1
Overall standard deviation (pg/L)	27.0	44.1	111	216	443	961	1052	2156	2391
Overall relative standard deviation (%)	31.6	27.7	21.3	20.7	21.1	22.2	21.0	23.3	21.5

Statistic	Low	Mid	High
Number of usable pairs	8.00	8.00	8.00
Single-operator standard deviation (pg/L)	86.32	240.27	664.81

Appendix C. ASTM D2777-03 Final Reagent Water Statistical Summary by PCB

PCB=19

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	6.00	8.00	8.00	16.0	8.00	11.0	8.00	11.0	8.00
Number of laboratories	6.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00
True concentration (pg/L)	32.0	63.9	240	480	959	1918	2238	4156	4795
Mean recovery (pg/L)	39.2	74.9	258	524	1070	2206	2509	4492	5602
Percent recovery (%)	123	117	108	109	112	115	112	108	117
Overall standard deviation (pg/L)	9.16	11.0	49.2	81.1	150	300	456	747	812
Overall relative standard deviation (%)	23.4	14.7	19.1	15.5	14.0	13.6	18.2	16.6	14.5

Statistic	Low	Mid	High
Number of usable pairs	8.00	8.00	8.00
Single-operator standard deviation (pg/L)	70.32	166.73	696.16

PCB=20/ 21/ 28/ 33

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	2.00	2.00	2.00	4.00	2.00	2.00	2.00	2.00	2.00
Number of laboratories	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
True concentration (pg/L)	101	202	757	1513	3027	6054	7063	13E3	15E3
Mean recovery (pg/L)	146	243	565	1253	2460	4637	5618	11E3	12E3
Percent recovery (%)	145	120	74.7	82.8	81.3	76.6	79.5	80.3	78.6
Overall standard deviation (pg/L)	83.5	134	177	401	664	1311	1977	2099	2860
Overall relative standard deviation (%)	57.1	55.3	31.3	32.0	27.0	28.3	35.2	19.9	24.0

Statistic	Low	Mid	High
Number of usable pairs	2.00	2.00	2.00
Single-operator standard deviation (pg/L)	87.40	470.89	537.91

Appendix C. ASTM D2777-03 Final Reagent Water Statistical Summary by PCB

PCB=20/ 28

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	6.00	6.00	6.00	12.0	6.00	9.00	6.00	9.00	6.00
Number of laboratories	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00
True concentration (pg/L)	53.9	108	405	809	1618	3237	3776	7013	8092
Mean recovery (pg/L)	55.8	96.8	348	716	1442	2896	3402	6451	7445
Percent recovery (%)	103	89.7	86.1	88.5	89.1	89.5	90.1	92.0	92.0
Overall standard deviation (pg/L)	7.88	13.5	52.7	98.6	201	371	452	784	881
Overall relative standard deviation (%)	14.1	13.9	15.1	13.8	14.0	12.8	13.3	12.2	11.8

Statistic	Low	Mid	High
Number of usable pairs	6.00	6.00	6.00
Single-operator standard deviation (pg/L)	10.85	123.97	325.05

PCB=21/ 33

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	6.00	6.00	6.00	12.0	6.00	9.00	6.00	9.00	6.00
Number of laboratories	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00
True concentration (pg/L)	47.0	93.9	352	704	1409	2817	3287	6104	7043
Mean recovery (pg/L)	45.4	84.9	290	621	1290	2554	3047	5643	6720
Percent recovery (%)	96.8	90.4	82.4	88.2	91.6	90.7	92.7	92.5	95.4
Overall standard deviation (pg/L)	3.24	15.5	51.5	77.3	157	255	451	641	712
Overall relative standard deviation (%)	7.13	18.3	17.7	12.4	12.1	9.97	14.8	11.4	10.6

Statistic	Low	Mid	High
Number of usable pairs	6.00	6.00	6.00
Single-operator standard deviation (pg/L)	23.86	199.97	211.19

Appendix C. ASTM D2777-03 Final Reagent Water Statistical Summary by PCB

PCB=22

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	8.00	8.00	8.00	16.0	8.00	11.0	8.00	11.0	8.00
Number of laboratories	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00
True concentration (pg/L)	32.0	63.9	240	480	959	1918	2238	4156	4795
Mean recovery (pg/L)	37.1	66.5	230	471	955	1870	2244	4246	4861
Percent recovery (%)	116	104	95.8	98.2	99.6	97.5	100	102	101
Overall standard deviation (pg/L)	6.74	14.5	48.4	72.6	141	291	441	680	703
Overall relative standard deviation (%)	18.2	21.7	21.1	15.4	14.8	15.6	19.7	16.0	14.5

Statistic	Low	Mid	High
Number of usable pairs	8.00	8.00	8.00
Single-operator standard deviation (pg/L)	23.34	144.18	141.81

PCB=23

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	5.00	7.00	7.00	13.0	7.00	10.0	7.00	10.0	6.00
Number of laboratories	5.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	6.00
True concentration (pg/L)	26.0	51.9	195	390	779	1558	1818	3377	3896
Mean recovery (pg/L)	21.5	42.2	151	317	660	1321	1561	2858	3383
Percent recovery (%)	82.6	81.2	77.5	81.3	84.7	84.8	85.9	84.6	86.8
Overall standard deviation (pg/L)	4.76	10.3	33.4	62.5	119	273	392	460	737
Overall relative standard deviation (%)	22.2	24.4	22.1	19.7	18.0	20.6	25.1	16.1	21.8

Statistic	Low	Mid	High
Number of usable pairs	6.00	7.00	6.00
Single-operator standard deviation (pg/L)	12.26	99.44	208.01

Appendix C. ASTM D2777-03 Final Reagent Water Statistical Summary by PCB

PCB=23/ 34

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	.	1.00	1.00	2.00	1.00	1.00	1.00	1.00	1.00
Number of laboratories	.	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
True concentration (pg/L)	.	95.9	360	719	1439	2877	3357	6234	7193
Mean recovery (pg/L)	.	102	339	755	1588	2981	3730	6598	7916
Percent recovery (%)	.	106	94.4	105	110	104	111	106	110
Overall standard deviation (pg/L)	.	.	.	.	.	.	.	.	.
Overall relative standard deviation (%)	.	.	.	.	.	.	.	.	.

Statistic	Low	Mid	High
Number of usable pairs	1.00	1.00	1.00
Single-operator standard deviation (pg/L)	.	.	.

PCB=24

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	5.00	5.00	5.00	10.0	5.00	7.00	4.00	8.00	5.00
Number of laboratories	5.00	5.00	5.00	5.00	5.00	5.00	4.00	5.00	5.00
True concentration (pg/L)	25.0	50.0	187	375	749	1499	1748	3247	3746
Mean recovery (pg/L)	21.9	47.1	152	322	643	1364	1545	3000	3608
Percent recovery (%)	87.5	94.4	81.3	86.0	85.8	91.0	88.4	92.4	96.3
Overall standard deviation (pg/L)	4.82	8.42	28.7	33.4	53.0	183	188	400	537
Overall relative standard deviation (%)	22.0	17.9	18.9	10.4	8.24	13.4	12.2	13.3	14.9

Statistic	Low	Mid	High
Number of usable pairs	5.00	4.00	5.00
Single-operator standard deviation (pg/L)	30.97	67.42	175.52

Appendix C. ASTM D2777-03 Final Reagent Water Statistical Summary by PCB

PCB=25

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	7.00	8.00	8.00	16.0	8.00	10.0	7.00	11.0	8.00
Number of laboratories	7.00	8.00	8.00	8.00	8.00	8.00	7.00	8.00	8.00
True concentration (pg/L)	32.0	63.9	240	480	959	1918	2238	4156	4795
Mean recovery (pg/L)	27.2	54.2	203	419	859	1739	1982	3860	4481
Percent recovery (%)	85.1	84.8	84.6	87.4	89.5	90.7	88.6	92.9	93.5
Overall standard deviation (pg/L)	5.69	11.0	39.2	67.2	132	272	389	546	749
Overall relative standard deviation (%)	20.9	20.2	19.3	16.0	15.4	15.7	19.6	14.1	16.7

Statistic	Low	Mid	High
Number of usable pairs	8.00	7.00	8.00
Single-operator standard deviation (pg/L)	23.50	114.96	206.05

PCB=26/ 29

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	8.00	8.00	8.00	16.0	8.00	11.0	8.00	11.0	8.00
Number of laboratories	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00
True concentration (pg/L)	47.0	93.9	352	704	1409	2817	3287	6104	7043
Mean recovery (pg/L)	41.9	82.5	280	602	1242	2435	2970	5449	6414
Percent recovery (%)	89.3	87.8	79.6	85.4	88.2	86.4	90.4	89.3	91.1
Overall standard deviation (pg/L)	9.71	21.4	59.2	130	263	494	759	1043	1250
Overall relative standard deviation (%)	23.1	25.9	21.1	21.5	21.2	20.3	25.6	19.1	19.5

Statistic	Low	Mid	High
Number of usable pairs	8.00	8.00	8.00
Single-operator standard deviation (pg/L)	24.83	238.78	263.04

Appendix C. ASTM D2777-03 Final Reagent Water Statistical Summary by PCB

PCB=27

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	5.00	6.00	6.00	11.0	5.00	8.00	6.00	9.00	6.00
Number of laboratories	5.00	6.00	6.00	6.00	5.00	6.00	6.00	6.00	6.00
True concentration (pg/L)	22.0	44.0	165	330	659	1319	1538	2857	3297
Mean recovery (pg/L)	22.7	46.7	167	328	647	1402	1652	2973	3607
Percent recovery (%)	103	106	101	99.4	98.1	106	107	104	109
Overall standard deviation (pg/L)	3.82	8.76	30.9	51.5	125	247	368	470	619
Overall relative standard deviation (%)	16.8	18.7	18.6	15.7	19.4	17.6	22.3	15.8	17.2

Statistic	Low	Mid	High
Number of usable pairs	5.00	6.00	6.00
Single-operator standard deviation (pg/L)	41.87	146.46	317.84

PCB=31

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	8.00	8.00	8.00	16.0	8.00	11.0	8.00	11.0	8.00
Number of laboratories	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00
True concentration (pg/L)	25.0	50.0	187	375	749	1499	1748	3247	3746
Mean recovery (pg/L)	39.3	58.5	162	332	669	1295	1546	2918	3348
Percent recovery (%)	157	117	86.6	88.7	89.2	86.4	88.5	89.9	89.4
Overall standard deviation (pg/L)	27.8	32.3	41.7	73.6	134	248	379	574	598
Overall relative standard deviation (%)	70.8	55.3	25.7	22.2	20.0	19.2	24.5	19.7	17.9

Statistic	Low	Mid	High
Number of usable pairs	8.00	8.00	8.00
Single-operator standard deviation (pg/L)	8.36	104.97	129.98

Appendix C. ASTM D2777-03 Final Reagent Water Statistical Summary by PCB

PCB=32

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	8.00	8.00	8.00	15.0	8.00	11.0	8.00	11.0	7.00
Number of laboratories	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	7.00
True concentration (pg/L)	25.0	50.0	187	375	749	1499	1748	3247	3746
Mean recovery (pg/L)	27.5	51.3	171	339	683	1388	1612	2999	3414
Percent recovery (%)	110	103	91.4	90.6	91.2	92.6	92.2	92.4	91.1
Overall standard deviation (pg/L)	5.39	10.2	39.4	60.1	133	281	336	540	630
Overall relative standard deviation (%)	19.6	19.9	23.0	17.7	19.4	20.2	20.9	18.0	18.5

Statistic	Low	Mid	High
Number of usable pairs	7.00	8.00	7.00
Single-operator standard deviation (pg/L)	27.37	98.24	166.93

PCB=34

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	6.00	7.00	7.00	13.0	7.00	10.0	7.00	10.0	7.00
Number of laboratories	6.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00
True concentration (pg/L)	22.0	44.0	165	330	659	1319	1538	2857	3297
Mean recovery (pg/L)	17.5	35.9	132	273	567	1134	1363	2535	2986
Percent recovery (%)	79.6	81.6	80.2	82.8	86.0	86.0	88.6	88.7	90.6
Overall standard deviation (pg/L)	4.35	8.10	32.1	57.6	119	240	353	513	602
Overall relative standard deviation (%)	24.9	22.6	24.3	21.1	21.0	21.1	25.9	20.2	20.2

Statistic	Low	Mid	High
Number of usable pairs	6.00	7.00	7.00
Single-operator standard deviation (pg/L)	15.35	105.80	121.37

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PCB=35

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	7.00	8.00	8.00	16.0	8.00	11.0	8.00	11.0	8.00
Number of laboratories	7.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00
True concentration (pg/L)	28.0	55.9	210	420	839	1678	1958	3636	4196
Mean recovery (pg/L)	22.2	45.1	163	358	743	1505	1776	3362	3762
Percent recovery (%)	79.3	80.6	77.6	85.4	88.5	89.7	90.7	92.5	89.7
Overall standard deviation (pg/L)	5.14	9.58	35.2	67.5	120	251	427	732	703
Overall relative standard deviation (%)	23.2	21.3	21.6	18.8	16.2	16.7	24.0	21.8	18.7

Statistic	Low	Mid	High
Number of usable pairs	8.00	8.00	8.00
Single-operator standard deviation (pg/L)	29.10	149.89	308.00

PCB=36

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	6.00	8.00	8.00	15.0	8.00	10.0	8.00	11.0	7.00
Number of laboratories	6.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	7.00
True concentration (pg/L)	27.0	53.9	202	405	809	1618	1888	3506	4046
Mean recovery (pg/L)	19.5	37.4	139	302	617	1265	1482	2901	3098
Percent recovery (%)	72.4	69.3	68.6	74.7	76.2	78.2	78.5	82.7	76.6
Overall standard deviation (pg/L)	4.37	8.13	30.3	50.1	99.0	208	306	534	548
Overall relative standard deviation (%)	22.4	21.7	21.8	16.6	16.1	16.5	20.6	18.4	17.7

Statistic	Low	Mid	High
Number of usable pairs	7.00	8.00	7.00
Single-operator standard deviation (pg/L)	20.21	84.82	221.71

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PCB=37

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	8.00	7.00	8.00	16.0	8.00	11.0	8.00	11.0	8.00
Number of laboratories	8.00	7.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00
True concentration (pg/L)	25.0	50.0	187	375	749	1499	1748	3247	3746
Mean recovery (pg/L)	22.8	39.9	143	302	632	1260	1476	2843	3209
Percent recovery (%)	91.2	79.8	76.4	80.6	84.4	84.1	84.4	87.6	85.7
Overall standard deviation (pg/L)	2.46	5.49	21.5	44.2	94.3	176	259	435	439
Overall relative standard deviation (%)	10.8	13.8	15.0	14.6	14.9	14.0	17.6	15.3	13.7

Statistic	Low	Mid	High
Number of usable pairs	8.00	8.00	8.00
Single-operator standard deviation (pg/L)	14.75	84.13	193.67

PCB=38

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	8.00	8.00	8.00	16.0	8.00	11.0	8.00	11.0	8.00
Number of laboratories	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00
True concentration (pg/L)	24.0	48.0	180	360	719	1439	1678	3117	3596
Mean recovery (pg/L)	17.1	34.6	122	285	597	1208	1380	2686	3095
Percent recovery (%)	71.5	72.2	67.9	79.2	83.0	84.0	82.2	86.2	86.1
Overall standard deviation (pg/L)	3.88	8.13	30.6	47.6	94.9	186	292	553	480
Overall relative standard deviation (%)	22.6	23.5	25.1	16.7	15.9	15.4	21.1	20.6	15.5

Statistic	Low	Mid	High
Number of usable pairs	8.00	8.00	8.00
Single-operator standard deviation (pg/L)	29.17	100.90	314.25

Appendix C. ASTM D2777-03 Final Reagent Water Statistical Summary by PCB

PCB=39

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	6.00	8.00	8.00	15.0	8.00	11.0	8.00	11.0	7.00
Number of laboratories	6.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	7.00
True concentration (pg/L)	26.0	51.9	195	390	779	1558	1818	3377	3896
Mean recovery (pg/L)	19.7	39.4	136	301	601	1231	1446	2830	3132
Percent recovery (%)	76.0	75.9	69.9	77.2	77.1	79.0	79.5	83.8	80.4
Overall standard deviation (pg/L)	3.38	7.06	32.7	48.9	113	202	339	612	562
Overall relative standard deviation (%)	17.1	17.9	24.0	16.3	18.8	16.4	23.5	21.6	18.0

Statistic	Low	Mid	High
Number of usable pairs	7.00	8.00	7.00
Single-operator standard deviation (pg/L)	20.01	113.82	194.52

PCB=40/ 41/ 71

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	5.00	6.00	6.00	12.0	6.00	7.00	5.00	7.00	6.00
Number of laboratories	5.00	6.00	6.00	6.00	6.00	6.00	5.00	6.00	6.00
True concentration (pg/L)	78.9	158	592	1184	2368	4735	5524	1E4	12E3
Mean recovery (pg/L)	80.7	148	545	1131	2439	4771	5328	1E4	12E3
Percent recovery (%)	102	93.5	92.1	95.6	103	101	96.5	99.4	101
Overall standard deviation (pg/L)	11.8	31.3	66.1	178	442	654	1069	1031	1228
Overall relative standard deviation (%)	14.7	21.2	12.1	15.8	18.1	13.7	20.1	10.1	10.3

Statistic	Low	Mid	High
Number of usable pairs	6.00	5.00	6.00
Single-operator standard deviation (pg/L)	70.71	657.79	499.14

Appendix C. ASTM D2777-03 Final Reagent Water Statistical Summary by PCB

PCB=40/ 71

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	2.00	2.00	2.00	4.00	2.00	4.00	2.00	4.00	2.00
Number of laboratories	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
True concentration (pg/L)	53.9	108	405	809	1618	3237	3776	7013	8092
Mean recovery (pg/L)	61.7	125	474	962	1885	3563	4430	8165	9320
Percent recovery (%)	114	116	117	119	116	110	117	116	115
Overall standard deviation (pg/L)	0.64	7.07	16.3	43.7	63.6	174	269	421	198
Overall relative standard deviation (%)	1.03	5.66	3.43	4.54	3.38	4.88	6.07	5.16	2.12

Statistic	Low	Mid	High
Number of usable pairs	2.00	2.00	2.00
Single-operator standard deviation (pg/L)	16.50	77.94	86.60

PCB=41

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	2.00	2.00	2.00	4.00	2.00	4.00	2.00	4.00	2.00
Number of laboratories	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
True concentration (pg/L)	25.0	50.0	187	375	749	1499	1748	3247	3746
Mean recovery (pg/L)	26.3	46.9	199	406	767	1420	1625	3408	3675
Percent recovery (%)	105	93.9	106	108	102	94.8	93.0	105	98.1
Overall standard deviation (pg/L)	0.71	2.69	7.07	90.1	116	150	120	383	262
Overall relative standard deviation (%)	2.69	5.73	3.55	22.2	15.1	10.6	7.40	11.2	7.12

Statistic	Low	Mid	High
Number of usable pairs	2.00	2.00	2.00
Single-operator standard deviation (pg/L)	39.00	17.32	60.62

Appendix C. ASTM D2777-03 Final Reagent Water Statistical Summary by PCB

PCB=42

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	5.00	6.00	7.00	14.0	7.00	10.0	7.00	10.0	7.00
Number of laboratories	5.00	6.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00
True concentration (pg/L)	22.0	44.0	165	330	659	1319	1538	2857	3297
Mean recovery (pg/L)	23.6	42.9	153	316	641	1247	1477	2729	3216
Percent recovery (%)	107	97.5	92.8	95.7	97.2	94.5	96.0	95.5	97.5
Overall standard deviation (pg/L)	2.85	3.84	26.2	42.7	75.5	188	173	338	431
Overall relative standard deviation (%)	12.1	8.95	17.1	13.5	11.8	15.1	11.7	12.4	13.4

Statistic	Low	Mid	High
Number of usable pairs	7.00	7.00	7.00
Single-operator standard deviation (pg/L)	25.52	55.71	240.96

PCB=42/ 59/ 62/ 75

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	.	.	1.00	2.00	1.00	1.00	1.00	1.00	1.00
Number of laboratories	.	.	1.00	1.00	1.00	1.00	1.00	1.00	1.00
True concentration (pg/L)	.	.	742	1484	2967	5934	6923	13E3	15E3
Mean recovery (pg/L)	.	.	652	1167	655	5758	5229	12E3	14E3
Percent recovery (%)	.	.	87.8	78.6	22.1	97.0	75.5	92.2	97.1
Overall standard deviation (pg/L)	.	.	.	.	.	.	.	.	.
Overall relative standard deviation (%)	.	.	.	.	.	.	.	.	.

Statistic	Low	Mid	High
Number of usable pairs	1.00	1.00	1.00
Single-operator standard deviation (pg/L)	.	.	.

Appendix C. ASTM D2777-03 Final Reagent Water Statistical Summary by PCB

PCB=43

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	5.00	5.00	5.00	11.0	6.00	9.00	6.00	9.00	5.00
Number of laboratories	5.00	5.00	5.00	6.00	6.00	6.00	6.00	6.00	5.00
True concentration (pg/L)	29.0	57.9	217	435	869	1738	2028	3766	4346
Mean recovery (pg/L)	26.4	50.7	202	416	867	1553	2053	3664	4032
Percent recovery (%)	91.3	87.4	93.0	95.7	99.7	89.3	101	97.3	92.8
Overall standard deviation (pg/L)	2.87	10.3	24.2	58.2	159	360	274	441	874
Overall relative standard deviation (%)	10.9	20.2	12.0	14.0	18.3	23.2	13.3	12.0	21.7

Statistic	Low	Mid	High
Number of usable pairs	5.00	6.00	5.00
Single-operator standard deviation (pg/L)	36.26	238.40	613.14

PCB=43/ 52/ 73

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	2.00	2.00	2.00	4.00	2.00	2.00	2.00	2.00	2.00
Number of laboratories	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
True concentration (pg/L)	114	228	854	1708	3417	6833	7972	15E3	17E3
Mean recovery (pg/L)	162	256	773	1529	2455	6282	7316	14E3	16E3
Percent recovery (%)	142	113	90.5	89.5	71.9	91.9	91.8	91.4	95.8
Overall standard deviation (pg/L)	33.2	58.4	204	421	63.4	1883	1875	4003	5193
Overall relative standard deviation (%)	20.6	22.8	26.5	27.5	2.58	30.0	25.6	29.6	31.7

Statistic	Low	Mid	High
Number of usable pairs	2.00	2.00	2.00
Single-operator standard deviation (pg/L)	125.73	6.05	841.30

Appendix C. ASTM D2777-03 Final Reagent Water Statistical Summary by PCB

PCB=44/ 47/ 65

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	8.00	8.00	8.00	16.0	8.00	11.0	8.00	11.0	8.00
Number of laboratories	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00
True concentration (pg/L)	77.9	156	584	1169	2338	4675	5455	1E4	12E3
Mean recovery (pg/L)	86.7	151	495	1014	2085	4095	4821	8888	1E4
Percent recovery (%)	111	97.0	84.7	86.7	89.2	87.6	88.4	87.7	87.8
Overall standard deviation (pg/L)	16.0	25.3	86.1	123	282	467	606	1125	1263
Overall relative standard deviation (%)	18.4	16.7	17.4	12.1	13.5	11.4	12.6	12.7	12.3

Statistic	Low	Mid	High
Number of usable pairs	8.00	8.00	8.00
Single-operator standard deviation (pg/L)	44.96	274.65	486.82

PCB=45

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	1.00	1.00	1.00	2.00	1.00	2.00	1.00	2.00	1.00
Number of laboratories	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
True concentration (pg/L)	25.0	50.0	187	375	749	1499	1748	3247	3746
Mean recovery (pg/L)	28.2	49.0	209	369	732	1365	1930	3310	3650
Percent recovery (%)	113	98.1	112	98.4	97.7	91.1	110	102	97.4
Overall standard deviation (pg/L)	.	.	.	.	.	.	.	.	.
Overall relative standard deviation (%)	.	.	.	.	.	.	.	.	.

Statistic	Low	Mid	High
Number of usable pairs	1.00	1.00	1.00
Single-operator standard deviation (pg/L)	.	.	.

Appendix C. ASTM D2777-03 Final Reagent Water Statistical Summary by PCB

PCB=45/ 51

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	7.00	7.00	7.00	14.0	7.00	9.00	7.00	9.00	7.00
Number of laboratories	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00
True concentration (pg/L)	52.9	106	397	794	1588	3177	3706	6883	7942
Mean recovery (pg/L)	53.7	101	356	728	1463	2905	3366	6268	7564
Percent recovery (%)	101	95.5	89.7	91.7	92.1	91.5	90.8	91.1	95.2
Overall standard deviation (pg/L)	10.6	20.4	64.8	141	287	536	629	958	1253
Overall relative standard deviation (%)	19.8	20.2	18.2	19.3	19.6	18.5	18.7	15.3	16.6

Statistic	Low	Mid	High
Number of usable pairs	7.00	7.00	7.00
Single-operator standard deviation (pg/L)	70.16	221.47	654.21

PCB=46

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	7.00	8.00	8.00	15.0	8.00	11.0	8.00	11.0	8.00
Number of laboratories	7.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00
True concentration (pg/L)	25.0	50.0	187	375	749	1499	1748	3247	3746
Mean recovery (pg/L)	23.2	48.3	171	340	691	1365	1541	2958	3533
Percent recovery (%)	93.1	96.7	91.3	90.7	92.2	91.1	88.1	91.1	94.3
Overall standard deviation (pg/L)	2.40	8.59	25.0	59.1	110	199	276	372	435
Overall relative standard deviation (%)	10.3	17.8	14.6	17.4	15.9	14.6	17.9	12.6	12.3

Statistic	Low	Mid	High
Number of usable pairs	7.00	8.00	8.00
Single-operator standard deviation (pg/L)	29.91	132.90	294.93

Appendix C. ASTM D2777-03 Final Reagent Water Statistical Summary by PCB

PCB=48

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	6.00	8.00	8.00	15.0	8.00	11.0	8.00	11.0	7.00
Number of laboratories	6.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	7.00
True concentration (pg/L)	25.0	50.0	187	375	749	1499	1748	3247	3746
Mean recovery (pg/L)	24.3	45.7	157	333	681	1318	1598	2922	3422
Percent recovery (%)	97.3	91.5	83.9	88.9	90.9	87.9	91.4	90.0	91.3
Overall standard deviation (pg/L)	3.40	6.19	27.8	41.6	126	234	239	411	627
Overall relative standard deviation (%)	14.0	13.5	17.7	12.5	18.5	17.7	14.9	14.1	18.3

Statistic	Low	Mid	High
Number of usable pairs	7.00	8.00	7.00
Single-operator standard deviation (pg/L)	9.98	91.44	199.05

PCB=49/ 69

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	8.00	8.00	8.00	15.0	8.00	11.0	8.00	11.0	8.00
Number of laboratories	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00
True concentration (pg/L)	45.0	89.9	337	674	1349	2697	3147	5844	6743
Mean recovery (pg/L)	48.1	85.0	278	575	1318	2296	2766	5033	5488
Percent recovery (%)	107	94.5	82.3	85.3	97.7	85.1	87.9	86.1	81.4
Overall standard deviation (pg/L)	9.28	16.7	51.5	107	478	409	544	841	918
Overall relative standard deviation (%)	19.3	19.7	18.6	18.5	36.3	17.8	19.7	16.7	16.7

Statistic	Low	Mid	High
Number of usable pairs	7.00	8.00	8.00
Single-operator standard deviation (pg/L)	22.54	193.97	770.19

Appendix C. ASTM D2777-03 Final Reagent Water Statistical Summary by PCB

PCB=50/ 53

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	7.00	8.00	8.00	16.0	8.00	10.0	7.00	11.0	8.00
Number of laboratories	7.00	8.00	8.00	8.00	8.00	8.00	7.00	8.00	8.00
True concentration (pg/L)	51.9	104	390	779	1558	3117	3636	6753	7792
Mean recovery (pg/L)	50.1	97.4	357	721	1455	2904	3297	6251	7586
Percent recovery (%)	96.4	93.7	91.7	92.5	93.4	93.2	90.7	92.6	97.4
Overall standard deviation (pg/L)	8.64	18.7	59.7	137	293	548	646	1022	1474
Overall relative standard deviation (%)	17.2	19.2	16.7	19.0	20.2	18.9	19.6	16.4	19.4

Statistic	Low	Mid	High
Number of usable pairs	8.00	7.00	8.00
Single-operator standard deviation (pg/L)	54.07	167.15	738.71

PCB=51

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	1.00	1.00	1.00	2.00	1.00	2.00	1.00	2.00	1.00
Number of laboratories	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
True concentration (pg/L)	28.0	55.9	210	420	839	1678	1958	3636	4196
Mean recovery (pg/L)	24.9	48.9	198	400	781	1635	1820	3580	4200
Percent recovery (%)	89.0	87.4	94.4	95.2	93.1	97.4	93.0	98.5	100
Overall standard deviation (pg/L)	.	.	.	.	.	.	.	.	.
Overall relative standard deviation (%)	.	.	.	.	.	.	.	.	.

Statistic	Low	Mid	High
Number of usable pairs	1.00	1.00	1.00
Single-operator standard deviation (pg/L)	.	.	.

Appendix C. ASTM D2777-03 Final Reagent Water Statistical Summary by PCB

PCB=52

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	6.00	6.00	6.00	12.0	6.00	9.00	6.00	9.00	6.00
Number of laboratories	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00
True concentration (pg/L)	56.9	114	427	854	1708	3417	3986	7403	8541
Mean recovery (pg/L)	76.4	134	415	851	1772	3433	4028	7019	8642
Percent recovery (%)	134	118	97.2	99.6	104	100	101	94.8	101
Overall standard deviation (pg/L)	27.9	45.4	86.6	132	298	503	692	1287	1252
Overall relative standard deviation (%)	36.5	33.8	20.9	15.6	16.8	14.7	17.2	18.3	14.5

Statistic	Low	Mid	High
Number of usable pairs	6.00	6.00	6.00
Single-operator standard deviation (pg/L)	41.55	183.56	777.83

PCB=54

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	8.00	8.00	8.00	15.0	8.00	11.0	8.00	11.0	7.00
Number of laboratories	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	7.00
True concentration (pg/L)	28.0	55.9	210	420	839	1678	1958	3636	4196
Mean recovery (pg/L)	26.7	52.6	187	406	820	1654	1902	3476	4107
Percent recovery (%)	95.3	94.1	89.2	96.9	97.7	98.5	97.1	95.6	97.9
Overall standard deviation (pg/L)	2.99	6.55	24.3	48.0	73.5	121	213	501	364
Overall relative standard deviation (%)	11.2	12.4	13.0	11.8	8.96	7.29	11.2	14.4	8.86

Statistic	Low	Mid	High
Number of usable pairs	7.00	8.00	7.00
Single-operator standard deviation (pg/L)	44.50	76.48	490.57

Appendix C. ASTM D2777-03 Final Reagent Water Statistical Summary by PCB

PCB=55

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	7.00	7.00	7.00	14.0	7.00	10.0	7.00	10.0	7.00
Number of laboratories	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00
True concentration (pg/L)	29.0	57.9	217	435	869	1738	2028	3766	4346
Mean recovery (pg/L)	22.6	47.4	169	361	736	1526	1739	3303	3774
Percent recovery (%)	78.0	81.8	78.0	83.0	84.6	87.8	85.7	87.7	86.9
Overall standard deviation (pg/L)	4.90	9.71	33.3	74.0	143	274	425	629	715
Overall relative standard deviation (%)	21.7	20.5	19.7	20.5	19.4	18.0	24.4	19.1	18.9

Statistic	Low	Mid	High
Number of usable pairs	7.00	7.00	7.00
Single-operator standard deviation (pg/L)	22.90	123.55	167.57

PCB=55/ 66

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	1.00	1.00	1.00	2.00	1.00	1.00	1.00	1.00	1.00
Number of laboratories	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
True concentration (pg/L)	60.9	122	457	914	1828	3656	4266	7922	9141
Mean recovery (pg/L)	77.9	121	467	1050	2262	4100	4635	8824	11E3
Percent recovery (%)	128	99.5	102	115	124	112	109	111	122
Overall standard deviation (pg/L)	.	.	.	.	.	.	.	.	.
Overall relative standard deviation (%)	.	.	.	.	.	.	.	.	.

Statistic	Low	Mid	High
Number of usable pairs	1.00	1.00	1.00
Single-operator standard deviation (pg/L)	.	.	.

Appendix C. ASTM D2777-03 Final Reagent Water Statistical Summary by PCB

PCB=56

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	7.00	7.00	7.00	14.0	7.00	10.0	7.00	10.0	7.00
Number of laboratories	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00
True concentration (pg/L)	32.0	63.9	240	480	959	1918	2238	4156	4795
Mean recovery (pg/L)	32.5	59.3	214	450	904	1884	2131	4079	4721
Percent recovery (%)	102	92.8	89.3	93.9	94.3	98.2	95.2	98.2	98.5
Overall standard deviation (pg/L)	2.13	8.66	38.1	74.9	142	293	462	622	784
Overall relative standard deviation (%)	6.57	14.6	17.8	16.6	15.7	15.6	21.7	15.2	16.6

Statistic	Low	Mid	High
Number of usable pairs	7.00	7.00	7.00
Single-operator standard deviation (pg/L)	26.73	142.81	197.96

PCB=56/ 60

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	1.00	1.00	1.00	2.00	1.00	1.00	.	1.00	1.00
Number of laboratories	1.00	1.00	1.00	1.00	1.00	1.00	.	1.00	1.00
True concentration (pg/L)	56.9	114	427	854	1708	3417	.	7403	8541
Mean recovery (pg/L)	80.2	135	490	853	2106	4118	.	9060	11E3
Percent recovery (%)	141	119	115	99.9	123	121	.	122	133
Overall standard deviation (pg/L)	.	.	.	.	.	.	.	.	.
Overall relative standard deviation (%)	.	.	.	.	.	.	.	.	.

Statistic	Low	Mid	High
Number of usable pairs	1.00	.	1.00
Single-operator standard deviation (pg/L)	.	.	.

Appendix C. ASTM D2777-03 Final Reagent Water Statistical Summary by PCB

PCB=57

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	8.00	6.00	8.00	16.0	8.00	11.0	8.00	11.0	8.00
Number of laboratories	8.00	6.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00
True concentration (pg/L)	24.0	48.0	180	360	719	1439	1678	3117	3596
Mean recovery (pg/L)	19.8	37.1	146	305	632	1295	1474	2864	3302
Percent recovery (%)	82.7	77.3	81.2	84.8	87.9	90.0	87.8	91.9	91.8
Overall standard deviation (pg/L)	7.03	7.68	49.5	98.2	214	400	521	952	1205
Overall relative standard deviation (%)	35.4	20.7	34.0	32.2	33.8	30.9	35.3	33.2	36.5

Statistic	Low	Mid	High
Number of usable pairs	8.00	8.00	8.00
Single-operator standard deviation (pg/L)	23.25	101.35	209.67

PCB=58

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	7.00	7.00	7.00	14.0	7.00	10.0	7.00	10.0	7.00
Number of laboratories	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00
True concentration (pg/L)	29.0	57.9	217	435	869	1738	2028	3766	4346
Mean recovery (pg/L)	22.5	45.1	164	350	718	1477	1669	3206	3670
Percent recovery (%)	77.6	77.9	75.5	80.6	82.6	85.0	82.3	85.1	84.5
Overall standard deviation (pg/L)	5.15	9.12	37.3	71.3	145	272	404	604	698
Overall relative standard deviation (%)	22.9	20.2	22.7	20.4	20.2	18.4	24.2	18.8	19.0

Statistic	Low	Mid	High
Number of usable pairs	7.00	7.00	7.00
Single-operator standard deviation (pg/L)	17.04	108.52	155.47

Appendix C. ASTM D2777-03 Final Reagent Water Statistical Summary by PCB

PCB=58/ 67

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	1.00	1.00	1.00	2.00	1.00	1.00	1.00	1.00	1.00
Number of laboratories	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
True concentration (pg/L)	60.9	122	457	914	1828	3656	4266	7922	9141
Mean recovery (pg/L)	51.1	102	472	975	2367	4433	5062	9434	12E3
Percent recovery (%)	83.9	84.0	103	107	129	121	119	119	128
Overall standard deviation (pg/L)	.	.	.	.	.	.	.	.	.
Overall relative standard deviation (%)	.	.	.	.	.	.	.	.	.

Statistic	Low	Mid	High
Number of usable pairs	1.00	1.00	1.00
Single-operator standard deviation (pg/L)	.	.	.

PCB=59/ 62/ 75

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	7.00	7.00	7.00	14.0	7.00	10.0	7.00	10.0	7.00
Number of laboratories	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00
True concentration (pg/L)	76.9	154	577	1154	2308	4615	5385	1E4	12E3
Mean recovery (pg/L)	61.0	121	442	974	1944	3866	4603	8566	9903
Percent recovery (%)	79.3	78.9	76.6	84.5	84.3	83.8	85.5	85.7	85.8
Overall standard deviation (pg/L)	11.9	21.4	81.4	159	371	565	798	1150	1501
Overall relative standard deviation (%)	19.5	17.6	18.4	16.3	19.1	14.6	17.3	13.4	15.2

Statistic	Low	Mid	High
Number of usable pairs	7.00	7.00	7.00
Single-operator standard deviation (pg/L)	43.00	205.17	555.69

Appendix C. ASTM D2777-03 Final Reagent Water Statistical Summary by PCB

PCB=60

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	6.00	6.00	7.00	14.0	7.00	10.0	7.00	10.0	7.00
Number of laboratories	6.00	6.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00
True concentration (pg/L)	25.0	50.0	187	375	749	1499	1748	3247	3746
Mean recovery (pg/L)	21.6	38.1	145	310	618	1278	1446	2801	3249
Percent recovery (%)	86.5	76.2	77.2	82.6	82.5	85.3	82.7	86.3	86.7
Overall standard deviation (pg/L)	2.50	4.87	23.5	54.9	89.4	185	327	473	553
Overall relative standard deviation (%)	11.6	12.8	16.3	17.7	14.5	14.5	22.6	16.9	17.0

Statistic	Low	Mid	High
Number of usable pairs	7.00	7.00	7.00
Single-operator standard deviation (pg/L)	21.66	115.73	116.41

PCB=61/ 70/ 74/ 76

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	8.00	8.00	8.00	16.0	8.00	11.0	8.00	11.0	8.00
Number of laboratories	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00
True concentration (pg/L)	110	220	824	1648	3297	6593	7692	14E3	16E3
Mean recovery (pg/L)	111	196	669	1431	2873	5993	6811	13E3	15E3
Percent recovery (%)	101	89.2	81.1	86.8	87.2	90.9	88.5	91.2	91.4
Overall standard deviation (pg/L)	32.0	46.6	173	364	706	1357	1888	2878	4111
Overall relative standard deviation (%)	29.0	23.8	25.8	25.4	24.6	22.6	27.7	22.1	27.3

Statistic	Low	Mid	High
Number of usable pairs	8.00	8.00	8.00
Single-operator standard deviation (pg/L)	84.56	473.83	1089.2

Appendix C. ASTM D2777-03 Final Reagent Water Statistical Summary by PCB

PCB=63

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	8.00	7.00	8.00	16.0	8.00	11.0	8.00	11.0	8.00
Number of laboratories	8.00	7.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00
True concentration (pg/L)	23.0	46.0	172	345	689	1379	1608	2987	3447
Mean recovery (pg/L)	16.3	32.4	126	277	550	1151	1309	2533	2931
Percent recovery (%)	71.0	70.5	73.1	80.2	79.8	83.5	81.4	84.8	85.0
Overall standard deviation (pg/L)	3.36	7.49	30.5	77.0	136	254	348	565	792
Overall relative standard deviation (%)	20.6	23.1	24.2	27.8	24.8	22.1	26.6	22.3	27.0

Statistic	Low	Mid	High
Number of usable pairs	8.00	8.00	8.00
Single-operator standard deviation (pg/L)	19.65	83.82	203.23

PCB=64

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	8.00	8.00	8.00	16.0	8.00	11.0	7.00	11.0	7.00
Number of laboratories	8.00	8.00	8.00	8.00	8.00	8.00	7.00	8.00	7.00
True concentration (pg/L)	23.0	46.0	172	345	689	1379	1608	2987	3447
Mean recovery (pg/L)	26.4	42.6	152	292	619	1210	1443	2630	3087
Percent recovery (%)	115	92.7	88.5	84.7	89.8	87.8	89.7	88.0	89.6
Overall standard deviation (pg/L)	3.62	12.5	16.9	68.0	97.5	118	183	347	331
Overall relative standard deviation (%)	13.7	29.3	11.1	23.3	15.8	9.76	12.7	13.2	10.7

Statistic	Low	Mid	High
Number of usable pairs	8.00	7.00	7.00
Single-operator standard deviation (pg/L)	14.41	58.52	124.94

Appendix C. ASTM D2777-03 Final Reagent Water Statistical Summary by PCB

PCB=66

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	7.00	7.00	7.00	14.0	7.00	10.0	7.00	10.0	7.00
Number of laboratories	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00
True concentration (pg/L)	32.0	63.9	240	480	959	1918	2238	4156	4795
Mean recovery (pg/L)	30.8	54.9	183	392	769	1620	1791	3529	3977
Percent recovery (%)	96.3	85.8	76.5	81.7	80.2	84.5	80.1	84.9	82.9
Overall standard deviation (pg/L)	4.64	10.6	43.8	78.4	160	299	373	528	719
Overall relative standard deviation (%)	15.1	19.3	23.9	20.0	20.8	18.4	20.8	15.0	18.1

Statistic	Low	Mid	High
Number of usable pairs	7.00	7.00	7.00
Single-operator standard deviation (pg/L)	18.28	127.82	199.04

PCB=67

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	6.00	7.00	7.00	14.0	7.00	10.0	7.00	10.0	7.00
Number of laboratories	6.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00
True concentration (pg/L)	32.0	63.9	240	480	959	1918	2238	4156	4795
Mean recovery (pg/L)	21.8	46.3	173	372	760	1574	1779	3454	3911
Percent recovery (%)	68.2	72.4	72.2	77.6	79.2	82.0	79.5	83.1	81.6
Overall standard deviation (pg/L)	3.73	8.30	32.3	66.6	126	253	378	534	661
Overall relative standard deviation (%)	17.1	17.9	18.7	17.9	16.6	16.1	21.3	15.5	16.9

Statistic	Low	Mid	High
Number of usable pairs	7.00	7.00	7.00
Single-operator standard deviation (pg/L)	17.23	117.66	164.17

Appendix C. ASTM D2777-03 Final Reagent Water Statistical Summary by PCB

PCB=68

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	6.00	8.00	8.00	16.0	8.00	11.0	8.00	11.0	8.00
Number of laboratories	6.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00
True concentration (pg/L)	26.0	51.9	195	390	779	1558	1818	3377	3896
Mean recovery (pg/L)	19.5	36.0	140	301	606	1260	1437	2730	3197
Percent recovery (%)	75.2	69.3	71.9	77.4	77.8	80.8	79.0	80.8	82.1
Overall standard deviation (pg/L)	5.41	8.05	38.4	64.9	155	317	406	635	890
Overall relative standard deviation (%)	27.7	22.4	27.4	21.5	25.5	25.2	28.3	23.3	27.8

Statistic	Low	Mid	High
Number of usable pairs	8.00	8.00	8.00
Single-operator standard deviation (pg/L)	9.11	97.33	227.64

PCB=72

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	7.00	8.00	8.00	16.0	8.00	11.0	8.00	11.0	8.00
Number of laboratories	7.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00
True concentration (pg/L)	27.0	53.9	202	405	809	1618	1888	3506	4046
Mean recovery (pg/L)	19.2	39.9	155	334	683	1377	1583	2998	3567
Percent recovery (%)	71.0	74.1	76.7	82.7	84.4	85.1	83.9	85.5	88.2
Overall standard deviation (pg/L)	4.62	10.1	45.6	95.6	198	370	474	804	1112
Overall relative standard deviation (%)	24.1	25.2	29.3	28.6	29.0	26.9	30.0	26.8	31.2

Statistic	Low	Mid	High
Number of usable pairs	8.00	8.00	8.00
Single-operator standard deviation (pg/L)	21.63	92.37	256.67

Appendix C. ASTM D2777-03 Final Reagent Water Statistical Summary by PCB

PCB=73

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	5.00	6.00	6.00	12.0	6.00	9.00	6.00	9.00	5.00
Number of laboratories	5.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	5.00
True concentration (pg/L)	28.0	55.9	210	420	839	1678	1958	3636	4196
Mean recovery (pg/L)	25.6	52.0	178	367	742	1451	1723	3276	3696
Percent recovery (%)	91.4	92.9	85.0	87.4	88.4	86.4	88.0	90.1	88.1
Overall standard deviation (pg/L)	5.54	9.29	33.8	64.3	133	314	374	535	508
Overall relative standard deviation (%)	21.6	17.9	18.9	17.5	17.9	21.6	21.7	16.3	13.8

Statistic	Low	Mid	High
Number of usable pairs	6.00	6.00	5.00
Single-operator standard deviation (pg/L)	16.43	88.18	302.18

PCB=77

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	8.00	7.00	8.00	15.0	8.00	11.0	8.00	11.0	8.00
Number of laboratories	8.00	7.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00
True concentration (pg/L)	23.0	46.0	172	345	689	1379	1608	2987	3447
Mean recovery (pg/L)	18.1	37.8	132	278	566	1154	1306	2545	2978
Percent recovery (%)	78.9	82.2	76.6	80.8	82.1	83.7	81.2	85.2	86.4
Overall standard deviation (pg/L)	1.85	3.52	16.7	30.8	83.1	143	216	317	329
Overall relative standard deviation (%)	10.2	9.33	12.6	11.1	14.7	12.4	16.5	12.4	11.0

Statistic	Low	Mid	High
Number of usable pairs	7.00	8.00	8.00
Single-operator standard deviation (pg/L)	16.92	77.51	93.34

Appendix C. ASTM D2777-03 Final Reagent Water Statistical Summary by PCB

PCB=78

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	7.00	8.00	8.00	16.0	8.00	11.0	8.00	11.0	8.00
Number of laboratories	7.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00
True concentration (pg/L)	27.0	53.9	202	405	809	1618	1888	3506	4046
Mean recovery (pg/L)	20.4	43.2	155	340	681	1412	1605	3093	3556
Percent recovery (%)	75.8	80.1	76.8	84.1	84.2	87.2	85.0	88.2	87.9
Overall standard deviation (pg/L)	3.65	7.19	28.5	57.8	117	211	350	470	547
Overall relative standard deviation (%)	17.9	16.6	18.4	17.0	17.1	14.9	21.8	15.2	15.4

Statistic	Low	Mid	High
Number of usable pairs	8.00	8.00	8.00
Single-operator standard deviation (pg/L)	24.52	126.82	129.90

PCB=79

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	8.00	7.00	8.00	16.0	8.00	10.0	8.00	11.0	8.00
Number of laboratories	8.00	7.00	8.00	8.00	8.00	7.00	8.00	8.00	8.00
True concentration (pg/L)	27.0	53.9	202	405	809	1618	1888	3506	4046
Mean recovery (pg/L)	21.3	41.9	151	329	663	1368	1512	3022	3498
Percent recovery (%)	78.9	77.7	74.6	81.3	81.9	84.5	80.1	86.2	86.5
Overall standard deviation (pg/L)	3.40	7.37	27.2	55.0	103	216	308	505	596
Overall relative standard deviation (%)	16.0	17.6	18.0	16.7	15.5	15.8	20.3	16.7	17.0

Statistic	Low	Mid	High
Number of usable pairs	8.00	7.00	8.00
Single-operator standard deviation (pg/L)	18.37	109.11	180.43

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PCB=80

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	6.00	7.00	8.00	16.0	8.00	11.0	8.00	11.0	8.00
Number of laboratories	6.00	7.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00
True concentration (pg/L)	26.0	51.9	195	390	779	1558	1818	3377	3896
Mean recovery (pg/L)	18.1	33.4	131	280	570	1177	1288	2600	3000
Percent recovery (%)	69.6	64.3	67.4	71.8	73.1	75.5	70.8	77.0	77.0
Overall standard deviation (pg/L)	3.95	5.19	29.3	55.5	118	197	297	517	644
Overall relative standard deviation (%)	21.8	15.5	22.3	19.8	20.8	16.8	23.1	19.9	21.5

Statistic	Low	Mid	High
Number of usable pairs	8.00	8.00	8.00
Single-operator standard deviation (pg/L)	18.05	106.40	210.65

PCB=81

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	8.00	8.00	8.00	16.0	8.00	11.0	8.00	11.0	8.00
Number of laboratories	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00
True concentration (pg/L)	28.0	55.9	210	420	839	1678	1958	3636	4196
Mean recovery (pg/L)	21.3	43.3	154	334	683	1424	1610	3122	3591
Percent recovery (%)	76.3	77.3	73.4	79.5	81.4	84.9	82.2	85.9	85.6
Overall standard deviation (pg/L)	2.79	6.39	23.3	39.1	102	178	270	401	443
Overall relative standard deviation (%)	13.1	14.8	15.1	11.7	14.9	12.5	16.8	12.8	12.3

Statistic	Low	Mid	High
Number of usable pairs	8.00	8.00	8.00
Single-operator standard deviation (pg/L)	22.04	111.58	105.75

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PCB=82

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	7.00	8.00	8.00	16.0	8.00	10.0	8.00	11.0	7.00
Number of laboratories	7.00	8.00	8.00	8.00	8.00	7.00	8.00	8.00	7.00
True concentration (pg/L)	32.0	63.9	240	480	959	1918	2238	4156	4795
Mean recovery (pg/L)	33.5	66.7	223	449	848	1895	1970	3965	4750
Percent recovery (%)	105	104	93.0	93.7	88.4	98.8	88.0	95.4	99.1
Overall standard deviation (pg/L)	6.92	11.2	23.2	70.4	217	198	727	597	432
Overall relative standard deviation (%)	20.6	16.8	10.4	15.7	25.6	10.4	36.9	15.1	9.09

Statistic	Low	Mid	High
Number of usable pairs	8.00	7.00	7.00
Single-operator standard deviation (pg/L)	18.76	143.99	38.88

PCB=83

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	3.00	3.00	3.00	6.00	3.00	5.00	3.00	5.00	3.00
Number of laboratories	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
True concentration (pg/L)	25.0	50.0	187	375	749	1499	1748	3247	3746
Mean recovery (pg/L)	25.1	54.8	178	389	813	1613	1987	3462	4093
Percent recovery (%)	100	110	94.9	104	108	108	114	107	109
Overall standard deviation (pg/L)	3.79	10.9	28.9	65.1	140	265	452	490	654
Overall relative standard deviation (%)	15.1	19.9	16.3	16.8	17.2	16.4	22.7	14.2	16.0

Statistic	Low	Mid	High
Number of usable pairs	3.00	3.00	3.00
Single-operator standard deviation (pg/L)	42.79	169.73	169.28

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PCB=83/ 99

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	3.00	3.00	3.00	6.00	3.00	4.00	3.00	4.00	3.00
Number of laboratories	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
True concentration (pg/L)	56.9	114	427	854	1708	3417	3986	7403	8541
Mean recovery (pg/L)	50.4	88.0	321	701	1343	2858	3283	6437	7230
Percent recovery (%)	88.5	77.3	75.1	82.1	78.6	83.7	82.4	87.0	84.6
Overall standard deviation (pg/L)	2.80	9.93	23.4	58.7	150	341	206	442	355
Overall relative standard deviation (%)	5.56	11.3	7.31	8.37	11.2	11.9	6.27	6.87	4.91

Statistic	Low	Mid	High
Number of usable pairs	3.00	3.00	3.00
Single-operator standard deviation (pg/L)	30.76	109.11	60.72

PCB=83/ 99/112

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	2.00	2.00	2.00	4.00	2.00	2.00	2.00	2.00	2.00
Number of laboratories	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
True concentration (pg/L)	85.9	172	644	1289	2577	5155	6014	11E3	13E3
Mean recovery (pg/L)	90.2	150	474	994	1967	4367	3693	8859	9377
Percent recovery (%)	105	87.3	73.6	77.2	76.3	84.7	61.4	79.3	72.8
Overall standard deviation (pg/L)	12.6	18.4	17.3	48.1	279	131	844	636	1023
Overall relative standard deviation (%)	14.0	12.3	3.64	4.84	14.2	3.01	22.9	7.18	10.9

Statistic	Low	Mid	High
Number of usable pairs	2.00	2.00	2.00
Single-operator standard deviation (pg/L)	90.73	504.22	1172.7

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PCB=84

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	7.00	8.00	8.00	16.0	8.00	11.0	8.00	11.0	8.00
Number of laboratories	7.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00
True concentration (pg/L)	25.0	50.0	187	375	749	1499	1748	3247	3746
Mean recovery (pg/L)	33.2	54.8	172	351	683	1412	1607	3005	3521
Percent recovery (%)	133	110	91.8	93.6	91.2	94.2	91.9	92.5	94.0
Overall standard deviation (pg/L)	10.6	14.2	25.4	44.9	97.8	169	337	279	355
Overall relative standard deviation (%)	31.8	25.9	14.8	12.8	14.3	12.0	21.0	9.27	10.1

Statistic	Low	Mid	High
Number of usable pairs	8.00	8.00	8.00
Single-operator standard deviation (pg/L)	22.21	157.57	165.82

PCB=85/116

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	1.00	1.00	1.00	2.00	1.00	2.00	1.00	2.00	1.00
Number of laboratories	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
True concentration (pg/L)	49.0	97.9	367	734	1469	2937	3427	6364	7343
Mean recovery (pg/L)	29.0	72.1	306	595	1200	2550	3310	5250	6160
Percent recovery (%)	59.2	73.6	83.3	81.0	81.7	86.8	96.6	82.5	83.9
Overall standard deviation (pg/L)	.	.	.	.	.	.	.	.	.
Overall relative standard deviation (%)	.	.	.	.	.	.	.	.	.

Statistic	Low	Mid	High
Number of usable pairs	1.00	1.00	1.00
Single-operator standard deviation (pg/L)	.	.	.

Appendix C. ASTM D2777-03 Final Reagent Water Statistical Summary by PCB

PCB=85/116/117

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	7.00	6.00	7.00	14.0	7.00	9.00	7.00	9.00	7.00
Number of laboratories	7.00	6.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00
True concentration (pg/L)	76.9	154	577	1154	2308	4615	5385	1E4	12E3
Mean recovery (pg/L)	75.1	156	486	1018	1954	4358	4550	9038	9978
Percent recovery (%)	97.6	102	84.2	88.2	84.7	94.4	84.5	90.4	86.5
Overall standard deviation (pg/L)	26.7	55.1	171	393	822	1534	2451	3668	4876
Overall relative standard deviation (%)	35.6	35.2	35.2	38.6	42.1	35.2	53.9	40.6	48.9

Statistic	Low	Mid	High
Number of usable pairs	7.00	7.00	7.00
Single-operator standard deviation (pg/L)	53.02	1136.2	1258.1

PCB=86/ 87/ 97/108/119/125

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	5.00	5.00	5.00	10.0	5.00	7.00	5.00	7.00	5.00
Number of laboratories	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
True concentration (pg/L)	156	312	1169	2338	4675	9351	11E3	2E4	23E3
Mean recovery (pg/L)	138	276	960	2037	4025	8430	9166	18E3	2E4
Percent recovery (%)	88.5	88.5	82.1	87.1	86.1	90.2	84.0	90.3	86.0
Overall standard deviation (pg/L)	23.7	40.0	113	244	489	719	2029	1928	3798
Overall relative standard deviation (%)	17.2	14.5	11.8	12.0	12.2	8.53	22.1	10.5	18.9

Statistic	Low	Mid	High
Number of usable pairs	5.00	5.00	5.00
Single-operator standard deviation (pg/L)	83.06	1136.0	1620.2

Appendix C. ASTM D2777-03 Final Reagent Water Statistical Summary by PCB

PCB=86/ 87/ 97/109/119/125

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	3.00	3.00	3.00	6.00	3.00	4.00	3.00	4.00	3.00
Number of laboratories	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
True concentration (pg/L)	152	304	1139	2278	4555	9111	11E3	2E4	23E3
Mean recovery (pg/L)	149	261	896	1938	3643	8098	9017	17E3	2E4
Percent recovery (%)	97.9	85.9	78.6	85.1	80.0	88.9	84.8	86.1	88.5
Overall standard deviation (pg/L)	24.1	56.0	179	255	656	1279	1734	2643	3329
Overall relative standard deviation (%)	16.2	21.4	19.9	13.1	18.0	15.8	19.2	15.5	16.5

Statistic	Low	Mid	High
Number of usable pairs	3.00	3.00	3.00
Single-operator standard deviation (pg/L)	106.38	930.15	617.22

PCB=88

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	1.00	1.00	1.00	2.00	1.00	2.00	1.00	2.00	1.00
Number of laboratories	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
True concentration (pg/L)	26.0	51.9	195	390	779	1558	1818	3377	3896
Mean recovery (pg/L)	24.1	57.4	197	420	769	1705	2220	3455	3900
Percent recovery (%)	92.8	110	101	108	98.7	109	122	102	100
Overall standard deviation (pg/L)	.	.	.	.	.	.	.	.	.
Overall relative standard deviation (%)	.	.	.	.	.	.	.	.	.

Statistic	Low	Mid	High
Number of usable pairs	1.00	1.00	1.00
Single-operator standard deviation (pg/L)	.	.	.

Appendix C. ASTM D2777-03 Final Reagent Water Statistical Summary by PCB

PCB=88/ 91

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	6.00	7.00	7.00	14.0	7.00	9.00	7.00	9.00	7.00
Number of laboratories	6.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00
True concentration (pg/L)	49.0	97.9	367	734	1469	2937	3427	6364	7343
Mean recovery (pg/L)	48.7	89.2	309	655	1328	2677	2978	5809	6733
Percent recovery (%)	99.5	91.1	84.1	89.2	90.4	91.1	86.9	91.3	91.7
Overall standard deviation (pg/L)	7.12	16.1	38.2	100	259	335	516	817	920
Overall relative standard deviation (%)	14.6	18.0	12.4	15.3	19.5	12.5	17.3	14.1	13.7

Statistic	Low	Mid	High
Number of usable pairs	7.00	7.00	7.00
Single-operator standard deviation (pg/L)	33.32	285.60	355.49

PCB=89

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	7.00	7.00	7.00	16.0	8.00	11.0	8.00	11.0	8.00
Number of laboratories	7.00	7.00	7.00	8.00	8.00	8.00	8.00	8.00	8.00
True concentration (pg/L)	27.0	53.9	202	405	809	1618	1888	3506	4046
Mean recovery (pg/L)	24.5	50.9	183	382	776	1543	1770	3337	3954
Percent recovery (%)	91.0	94.3	90.7	94.3	95.9	95.3	93.7	95.2	97.7
Overall standard deviation (pg/L)	2.20	5.87	25.5	43.9	109	177	325	374	419
Overall relative standard deviation (%)	8.95	11.5	13.9	11.5	14.1	11.5	18.3	11.2	10.6

Statistic	Low	Mid	High
Number of usable pairs	8.00	8.00	8.00
Single-operator standard deviation (pg/L)	15.77	158.11	168.41

Appendix C. ASTM D2777-03 Final Reagent Water Statistical Summary by PCB

PCB=90/101/113

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	8.00	8.00	8.00	16.0	8.00	11.0	8.00	11.0	8.00
Number of laboratories	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00
True concentration (pg/L)	73.9	148	554	1109	2218	4436	5175	9610	11E3
Mean recovery (pg/L)	84.7	141	433	909	1771	3621	4152	7849	9115
Percent recovery (%)	115	95.3	78.2	81.9	79.9	81.6	80.2	81.7	82.2
Overall standard deviation (pg/L)	26.4	32.9	62.4	133	270	436	577	1059	1032
Overall relative standard deviation (%)	31.2	23.4	14.4	14.7	15.3	12.0	13.9	13.5	11.3

Statistic	Low	Mid	High
Number of usable pairs	8.00	8.00	8.00
Single-operator standard deviation (pg/L)	34.28	269.85	189.91

PCB=91

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	1.00	1.00	1.00	2.00	1.00	2.00	1.00	2.00	1.00
Number of laboratories	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
True concentration (pg/L)	23.0	46.0	172	345	689	1379	1608	2987	3447
Mean recovery (pg/L)	18.6	31.5	139	289	596	1225	1490	2800	3230
Percent recovery (%)	81.0	68.5	80.7	83.9	86.5	88.9	92.6	93.7	93.7
Overall standard deviation (pg/L)	.	.	.	.	.	.	.	.	.
Overall relative standard deviation (%)	.	.	.	.	.	.	.	.	.

Statistic	Low	Mid	High
Number of usable pairs	1.00	1.00	1.00
Single-operator standard deviation (pg/L)	.	.	.

Appendix C. ASTM D2777-03 Final Reagent Water Statistical Summary by PCB

PCB=92

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	8.00	8.00	8.00	16.0	8.00	11.0	8.00	11.0	8.00
Number of laboratories	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00
True concentration (pg/L)	22.0	44.0	165	330	659	1319	1538	2857	3297
Mean recovery (pg/L)	24.6	43.7	141	297	586	1204	1329	2594	3034
Percent recovery (%)	112	99.4	85.4	90.0	88.8	91.3	86.4	90.8	92.0
Overall standard deviation (pg/L)	4.99	8.13	21.8	43.9	91.8	165	280	371	411
Overall relative standard deviation (%)	20.3	18.6	15.5	14.8	15.7	13.7	21.0	14.3	13.6

Statistic	Low	Mid	High
Number of usable pairs	8.00	8.00	8.00
Single-operator standard deviation (pg/L)	15.64	154.84	76.50

PCB=93/ 95/ 98/100/102

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	1.00	1.00	1.00	2.00	1.00	1.00	1.00	1.00	1.00
Number of laboratories	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
True concentration (pg/L)	126	252	944	1888	3776	7552	8811	16E3	19E3
Mean recovery (pg/L)	102	192	731	1465	2870	5980	6500	13E3	15E3
Percent recovery (%)	81.0	76.3	77.4	77.6	76.0	79.2	73.8	81.9	79.4
Overall standard deviation (pg/L)	.	.	.	.	.	.	.	.	.
Overall relative standard deviation (%)	.	.	.	.	.	.	.	.	.

Statistic	Low	Mid	High
Number of usable pairs	1.00	1.00	1.00
Single-operator standard deviation (pg/L)	.	.	.

Appendix C. ASTM D2777-03 Final Reagent Water Statistical Summary by PCB

PCB=93/ 98/100/102

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	4.00	4.00	4.00	8.00	4.00	5.00	4.00	5.00	4.00
Number of laboratories	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
True concentration (pg/L)	101	202	757	1513	3027	6054	7063	13E3	15E3
Mean recovery (pg/L)	77.2	146	564	1161	2627	5046	5635	11E3	13E3
Percent recovery (%)	76.6	72.2	74.6	76.7	86.8	83.3	79.8	82.0	84.8
Overall standard deviation (pg/L)	5.19	17.0	36.8	135	640	361	341	808	670
Overall relative standard deviation (%)	6.71	11.7	6.53	11.6	24.4	7.15	6.06	7.51	5.22

Statistic	Low	Mid	High
Number of usable pairs	4.00	4.00	4.00
Single-operator standard deviation (pg/L)	127.47	384.00	465.56

PCB=93/100

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	3.00	3.00	3.00	6.00	3.00	5.00	3.00	5.00	3.00
Number of laboratories	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
True concentration (pg/L)	50.0	99.9	375	749	1499	2997	3497	6494	7493
Mean recovery (pg/L)	40.5	89.6	332	721	1537	2927	3710	6288	7550
Percent recovery (%)	81.1	89.7	88.7	96.2	103	97.7	106	96.8	101
Overall standard deviation (pg/L)	1.36	7.82	10.8	65.5	90.7	335	600	754	865
Overall relative standard deviation (%)	3.36	8.73	3.25	9.09	5.90	11.4	16.2	12.0	11.5

Statistic	Low	Mid	High
Number of usable pairs	3.00	3.00	3.00
Single-operator standard deviation (pg/L)	55.98	224.40	573.84

Appendix C. ASTM D2777-03 Final Reagent Water Statistical Summary by PCB

PCB=94

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	6.00	8.00	8.00	16.0	8.00	11.0	8.00	11.0	8.00
Number of laboratories	6.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00
True concentration (pg/L)	26.0	51.9	195	390	779	1558	1818	3377	3896
Mean recovery (pg/L)	22.6	46.3	171	350	701	1443	1688	3062	3691
Percent recovery (%)	87.2	89.1	87.6	89.7	89.9	92.6	92.8	90.7	94.7
Overall standard deviation (pg/L)	3.97	7.15	23.9	53.4	121	184	324	415	413
Overall relative standard deviation (%)	17.5	15.5	14.0	15.3	17.3	12.7	19.2	13.6	11.2

Statistic	Low	Mid	High
Number of usable pairs	8.00	8.00	8.00
Single-operator standard deviation (pg/L)	20.45	132.29	229.93

PCB=95

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	7.00	7.00	7.00	14.0	7.00	10.0	7.00	10.0	7.00
Number of laboratories	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00
True concentration (pg/L)	25.0	50.0	187	375	749	1499	1748	3247	3746
Mean recovery (pg/L)	64.9	88.4	222	442	672	1717	1964	3657	4401
Percent recovery (%)	260	177	119	118	89.7	115	112	113	117
Overall standard deviation (pg/L)	37.6	39.0	82.5	179	158	727	722	1667	2010
Overall relative standard deviation (%)	58.0	44.2	37.1	40.5	23.5	42.3	36.8	45.6	45.7

Statistic	Low	Mid	High
Number of usable pairs	7.00	7.00	7.00
Single-operator standard deviation (pg/L)	22.15	101.61	293.65

Appendix C. ASTM D2777-03 Final Reagent Water Statistical Summary by PCB

PCB=96

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	7.00	7.00	8.00	16.0	8.00	11.0	8.00	11.0	8.00
Number of laboratories	7.00	7.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00
True concentration (pg/L)	27.0	53.9	202	405	809	1618	1888	3506	4046
Mean recovery (pg/L)	25.9	48.6	181	354	716	1450	1688	3205	3895
Percent recovery (%)	95.9	90.1	89.5	87.6	88.5	89.6	89.4	91.4	96.3
Overall standard deviation (pg/L)	4.70	10.8	53.1	87.8	169	384	415	798	1088
Overall relative standard deviation (%)	18.2	22.2	29.3	24.8	23.7	26.5	24.6	24.9	27.9

Statistic	Low	Mid	High
Number of usable pairs	8.00	8.00	8.00
Single-operator standard deviation (pg/L)	20.90	112.67	397.07

PCB=98

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	.	1.00	1.00	2.00	1.00	2.00	1.00	2.00	1.00
Number of laboratories	.	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
True concentration (pg/L)	.	53.9	202	405	809	1618	1888	3506	4046
Mean recovery (pg/L)	.	48.8	169	403	775	1685	1880	3615	4170
Percent recovery (%)	.	90.5	83.5	99.5	95.8	104	99.6	103	103
Overall standard deviation (pg/L)	.	.	.	.	.	.	.	.	.
Overall relative standard deviation (%)	.	.	.	.	.	.	.	.	.

Statistic	Low	Mid	High
Number of usable pairs	1.00	1.00	1.00
Single-operator standard deviation (pg/L)	.	.	.

Appendix C. ASTM D2777-03 Final Reagent Water Statistical Summary by PCB

PCB=98/102

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	1.00	2.00	2.00	4.00	2.00	3.00	2.00	3.00	2.00
Number of laboratories	1.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
True concentration (pg/L)	50.9	102	382	764	1528	3057	3566	6623	7642
Mean recovery (pg/L)	54.0	108	379	793	1595	3255	3860	6770	8220
Percent recovery (%)	106	106	99.1	104	104	106	108	102	108
Overall standard deviation (pg/L)	.	14.1	12.0	58.5	134	232	226	701	453
Overall relative standard deviation (%)	.	13.1	3.18	7.39	8.42	7.12	5.86	10.4	5.51

Statistic	Low	Mid	High
Number of usable pairs	2.00	2.00	2.00
Single-operator standard deviation (pg/L)	34.00	5.63	169.03

PCB=99

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	3.00	3.00	3.00	6.00	3.00	5.00	3.00	5.00	3.00
Number of laboratories	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
True concentration (pg/L)	32.0	63.9	240	480	959	1918	2238	4156	4795
Mean recovery (pg/L)	36.3	69.0	249	450	867	1648	1960	3980	4403
Percent recovery (%)	114	108	104	93.9	90.4	85.9	87.6	95.8	91.8
Overall standard deviation (pg/L)	9.33	15.9	45.5	62.0	114	215	203	428	444
Overall relative standard deviation (%)	25.7	23.0	18.3	13.8	13.2	13.0	10.4	10.7	10.1

Statistic	Low	Mid	High
Number of usable pairs	3.00	3.00	3.00
Single-operator standard deviation (pg/L)	51.38	61.85	447.92

Appendix C. ASTM D2777-03 Final Reagent Water Statistical Summary by PCB

PCB=102

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	.	1.00	1.00	2.00	1.00	2.00	1.00	2.00	1.00
Number of laboratories	.	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
True concentration (pg/L)	.	48.0	180	360	719	1439	1678	3117	3596
Mean recovery (pg/L)	.	42.3	193	326	631	1255	1710	3010	3230
Percent recovery (%)	.	88.2	107	90.6	87.7	87.2	102	96.6	89.8
Overall standard deviation (pg/L)	.	.	.	.	.	.	.	.	.
Overall relative standard deviation (%)	.	.	.	.	.	.	.	.	.

Statistic	Low	Mid	High
Number of usable pairs	1.00	1.00	1.00
Single-operator standard deviation (pg/L)	.	.	.

PCB=103

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	8.00	8.00	8.00	16.0	8.00	11.0	8.00	11.0	8.00
Number of laboratories	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00
True concentration (pg/L)	25.0	50.0	187	375	749	1499	1748	3247	3746
Mean recovery (pg/L)	21.3	40.7	156	330	670	1356	1599	2944	3526
Percent recovery (%)	85.1	81.4	83.4	88.1	89.5	90.5	91.5	90.7	94.1
Overall standard deviation (pg/L)	4.19	6.84	30.8	62.1	181	264	319	643	785
Overall relative standard deviation (%)	19.7	16.8	19.7	18.8	27.0	19.5	20.0	21.8	22.3

Statistic	Low	Mid	High
Number of usable pairs	8.00	8.00	8.00
Single-operator standard deviation (pg/L)	14.67	108.96	155.24

Appendix C. ASTM D2777-03 Final Reagent Water Statistical Summary by PCB

PCB=104

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	8.00	8.00	8.00	15.0	8.00	11.0	8.00	11.0	7.00
Number of laboratories	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	7.00
True concentration (pg/L)	23.0	46.0	172	345	689	1379	1608	2987	3447
Mean recovery (pg/L)	21.1	44.1	161	336	663	1370	1572	2908	3472
Percent recovery (%)	92.0	96.0	93.3	97.5	96.2	99.4	97.7	97.4	101
Overall standard deviation (pg/L)	2.50	2.64	20.6	41.6	66.1	164	176	368	463
Overall relative standard deviation (%)	11.8	5.98	12.8	12.4	9.97	12.0	11.2	12.7	13.3

Statistic	Low	Mid	High
Number of usable pairs	7.00	8.00	7.00
Single-operator standard deviation (pg/L)	35.34	105.98	246.21

PCB=105

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	6.00	8.00	8.00	16.0	8.00	11.0	8.00	11.0	8.00
Number of laboratories	6.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00
True concentration (pg/L)	22.0	44.0	165	330	659	1319	1538	2857	3297
Mean recovery (pg/L)	24.8	39.2	128	273	543	1099	1241	2453	2823
Percent recovery (%)	113	89.3	77.6	82.7	82.4	83.3	80.7	85.8	85.6
Overall standard deviation (pg/L)	6.03	7.66	13.9	32.0	80.6	128	184	236	267
Overall relative standard deviation (%)	24.3	19.5	10.9	11.7	14.8	11.6	14.9	9.61	9.46

Statistic	Low	Mid	High
Number of usable pairs	8.00	8.00	8.00
Single-operator standard deviation (pg/L)	24.07	82.16	121.17

Appendix C. ASTM D2777-03 Final Reagent Water Statistical Summary by PCB

PCB=106

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	6.00	7.00	7.00	14.0	7.00	10.0	7.00	10.0	7.00
Number of laboratories	6.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00
True concentration (pg/L)	27.0	53.9	202	405	809	1618	1888	3506	4046
Mean recovery (pg/L)	19.7	41.1	152	336	639	1368	1546	3006	3389
Percent recovery (%)	72.9	76.2	75.1	83.0	78.9	84.5	81.9	85.7	83.8
Overall standard deviation (pg/L)	2.42	5.03	28.9	36.1	88.6	150	244	466	291
Overall relative standard deviation (%)	12.3	12.2	19.0	10.7	13.9	11.0	15.8	15.5	8.58

Statistic	Low	Mid	High
Number of usable pairs	7.00	7.00	7.00
Single-operator standard deviation (pg/L)	20.77	166.78	158.59

PCB=106/107/123

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	1.00	1.00	1.00	2.00	1.00	1.00	1.00	1.00	1.00
Number of laboratories	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
True concentration (pg/L)	76.9	154	577	1154	2308	4615	5385	1E4	12E3
Mean recovery (pg/L)	36.4	79.5	288	709	1390	2850	2720	6200	7010
Percent recovery (%)	47.3	51.7	49.9	61.4	60.2	61.8	50.5	62.0	60.8
Overall standard deviation (pg/L)	.	.	.	.	.	.	.	.	.
Overall relative standard deviation (%)	.	.	.	.	.	.	.	.	.

Statistic	Low	Mid	High
Number of usable pairs	1.00	1.00	1.00
Single-operator standard deviation (pg/L)	.	.	.

Appendix C. ASTM D2777-03 Final Reagent Water Statistical Summary by PCB

PCB=106/109/123

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	1.00	1.00	1.00	2.00	1.00	1.00	1.00	1.00	1.00
Number of laboratories	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
True concentration (pg/L)	74.9	150	562	1124	2248	4496	5245	9740	11E3
Mean recovery (pg/L)	64.6	138	530	1176	2424	4628	5966	6438	12E3
Percent recovery (%)	86.2	91.8	94.3	105	108	103	114	66.1	111
Overall standard deviation (pg/L)	.	.	.	.	.	.	.	.	.
Overall relative standard deviation (%)	.	.	.	.	.	.	.	.	.

Statistic	Low	Mid	High
Number of usable pairs	1.00	1.00	1.00
Single-operator standard deviation (pg/L)	.	.	.

PCB=107

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	2.00	2.00	2.00	4.00	2.00	3.00	2.00	3.00	2.00
Number of laboratories	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
True concentration (pg/L)	27.0	53.9	202	405	809	1618	1888	3506	4046
Mean recovery (pg/L)	20.0	35.3	133	285	571	1082	1440	2643	3035
Percent recovery (%)	74.1	65.4	65.5	70.5	70.6	66.9	76.3	75.4	75.0
Overall standard deviation (pg/L)	4.24	10.9	24.7	73.1	140	325	509	985	940
Overall relative standard deviation (%)	21.2	30.8	18.7	25.6	24.5	30.0	35.4	37.3	31.0

Statistic	Low	Mid	High
Number of usable pairs	2.00	2.00	2.00
Single-operator standard deviation (pg/L)	22.50	160.30	8.45

Appendix C. ASTM D2777-03 Final Reagent Water Statistical Summary by PCB

PCB=107/124

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	5.00	5.00	5.00	10.0	5.00	7.00	5.00	7.00	5.00
Number of laboratories	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
True concentration (pg/L)	54.9	110	412	824	1648	3297	3846	7143	8242
Mean recovery (pg/L)	44.5	90.6	341	732	1474	3042	3581	6668	7751
Percent recovery (%)	81.0	82.4	82.6	88.8	89.4	92.3	93.1	93.3	94.0
Overall standard deviation (pg/L)	3.38	7.89	37.6	93.0	221	201	624	796	876
Overall relative standard deviation (%)	7.58	8.71	11.1	12.7	15.0	6.60	17.4	11.9	11.3

Statistic	Low	Mid	High
Number of usable pairs	5.00	5.00	5.00
Single-operator standard deviation (pg/L)	45.79	423.04	303.74

PCB=108/124

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	2.00	3.00	3.00	6.00	3.00	4.00	3.00	4.00	3.00
Number of laboratories	2.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
True concentration (pg/L)	56.9	114	427	854	1708	3417	3986	7403	8541
Mean recovery (pg/L)	37.0	73.3	264	602	1169	2405	2727	5705	6257
Percent recovery (%)	65.0	64.4	61.7	70.5	68.4	70.4	68.4	77.1	73.3
Overall standard deviation (pg/L)	17.0	21.5	76.8	146	287	524	953	1930	1519
Overall relative standard deviation (%)	45.9	29.3	29.1	24.2	24.5	21.8	34.9	33.8	24.3

Statistic	Low	Mid	High
Number of usable pairs	3.00	3.00	3.00
Single-operator standard deviation (pg/L)	50.03	347.30	308.94

Appendix C. ASTM D2777-03 Final Reagent Water Statistical Summary by PCB

PCB=109

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	4.00	3.00	4.00	8.00	4.00	6.00	4.00	6.00	4.00
Number of laboratories	4.00	3.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
True concentration (pg/L)	25.0	50.0	187	375	749	1499	1748	3247	3746
Mean recovery (pg/L)	20.3	36.8	150	325	627	1331	1508	2915	3268
Percent recovery (%)	81.1	73.7	80.2	86.6	83.6	88.8	86.2	89.8	87.2
Overall standard deviation (pg/L)	4.11	0.72	25.0	50.2	104	119	159	368	366
Overall relative standard deviation (%)	20.3	1.96	16.7	15.5	16.7	8.97	10.5	12.6	11.2

Statistic	Low	Mid	High
Number of usable pairs	4.00	4.00	4.00
Single-operator standard deviation (pg/L)	15.97	124.01	126.59

PCB=110

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	1.00	1.00	1.00	2.00	1.00	2.00	1.00	2.00	1.00
Number of laboratories	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
True concentration (pg/L)	32.0	63.9	240	480	959	1918	2238	4156	4795
Mean recovery (pg/L)	34.4	74.9	243	522	1150	2525	3320	5020	5840
Percent recovery (%)	108	117	101	109	120	132	148	121	122
Overall standard deviation (pg/L)	.	.	.	.	.	.	.	.	.
Overall relative standard deviation (%)	.	.	.	.	.	.	.	.	.

Statistic	Low	Mid	High
Number of usable pairs	1.00	1.00	1.00
Single-operator standard deviation (pg/L)	.	.	.

Appendix C. ASTM D2777-03 Final Reagent Water Statistical Summary by PCB

PCB=110/115

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	6.00	7.00	7.00	14.0	7.00	9.00	7.00	9.00	7.00
Number of laboratories	6.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00
True concentration (pg/L)	56.9	114	427	854	1708	3417	3986	7403	8541
Mean recovery (pg/L)	96.2	157	459	934	1737	3916	4193	8064	9194
Percent recovery (%)	169	138	107	109	102	115	105	109	108
Overall standard deviation (pg/L)	36.7	61.6	176	421	899	1608	2531	4031	5039
Overall relative standard deviation (%)	38.2	39.3	38.3	45.1	51.8	41.1	60.4	50.0	54.8

Statistic	Low	Mid	High
Number of usable pairs	7.00	7.00	7.00
Single-operator standard deviation (pg/L)	37.76	933.57	883.43

PCB=111

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	6.00	7.00	8.00	15.0	8.00	10.0	8.00	11.0	7.00
Number of laboratories	6.00	7.00	8.00	8.00	8.00	8.00	8.00	8.00	7.00
True concentration (pg/L)	26.0	51.9	195	390	779	1558	1818	3377	3896
Mean recovery (pg/L)	18.2	38.8	134	292	554	1176	1247	2619	2722
Percent recovery (%)	69.9	74.6	68.6	74.8	71.1	75.5	68.6	77.6	69.9
Overall standard deviation (pg/L)	2.65	3.62	18.5	42.1	102	182	389	426	804
Overall relative standard deviation (%)	14.6	9.34	13.9	14.4	18.4	15.4	31.2	16.3	29.5

Statistic	Low	Mid	High
Number of usable pairs	7.00	8.00	7.00
Single-operator standard deviation (pg/L)	14.43	203.12	380.04

Appendix C. ASTM D2777-03 Final Reagent Water Statistical Summary by PCB

PCB=112

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	6.00	6.00	6.00	12.0	6.00	9.00	6.00	9.00	6.00
Number of laboratories	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00
True concentration (pg/L)	29.0	57.9	217	435	869	1738	2028	3766	4346
Mean recovery (pg/L)	23.5	49.0	164	379	759	1591	1910	3397	3918
Percent recovery (%)	80.9	84.5	75.6	87.2	87.4	91.5	94.2	90.2	90.2
Overall standard deviation (pg/L)	3.48	6.41	24.8	60.1	111	310	391	536	674
Overall relative standard deviation (%)	14.8	13.1	15.1	15.8	14.6	19.5	20.5	15.8	17.2

Statistic	Low	Mid	High
Number of usable pairs	6.00	6.00	6.00
Single-operator standard deviation (pg/L)	31.99	77.54	227.04

PCB=114

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	6.00	7.00	7.00	14.0	7.00	10.0	7.00	10.0	7.00
Number of laboratories	6.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00
True concentration (pg/L)	23.0	46.0	172	345	689	1379	1608	2987	3447
Mean recovery (pg/L)	17.9	32.0	117	254	507	1035	1153	2306	2629
Percent recovery (%)	77.8	69.7	68.1	73.8	73.5	75.1	71.7	77.2	76.3
Overall standard deviation (pg/L)	2.02	4.80	18.4	32.8	90.2	146	182	246	344
Overall relative standard deviation (%)	11.3	15.0	15.6	12.9	17.8	14.1	15.8	10.6	13.1

Statistic	Low	Mid	High
Number of usable pairs	7.00	7.00	7.00
Single-operator standard deviation (pg/L)	10.49	81.13	118.55

Appendix C. ASTM D2777-03 Final Reagent Water Statistical Summary by PCB

PCB=114/122

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	1.00	1.00	1.00	2.00	1.00	1.00	1.00	1.00	1.00
Number of laboratories	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
True concentration (pg/L)	50.9	102	382	764	1528	3057	3566	6623	7642
Mean recovery (pg/L)	30.9	71.9	287	612	1314	2537	1873	5729	6559
Percent recovery (%)	60.7	70.5	75.2	80.0	86.0	83.0	52.5	86.5	85.8
Overall standard deviation (pg/L)	.	.	.	.	.	.	.	.	.
Overall relative standard deviation (%)	.	.	.	.	.	.	.	.	.

Statistic	Low	Mid	High
Number of usable pairs	1.00	1.00	1.00
Single-operator standard deviation (pg/L)	.	.	.

PCB=115

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	1.00	1.00	1.00	2.00	1.00	2.00	1.00	2.00	1.00
Number of laboratories	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
True concentration (pg/L)	25.0	50.0	187	375	749	1499	1748	3247	3746
Mean recovery (pg/L)	18.6	33.0	142	287	581	1009	1070	2530	3020
Percent recovery (%)	74.5	66.1	75.8	76.5	77.5	67.3	61.2	77.9	80.6
Overall standard deviation (pg/L)	.	.	.	.	.	.	.	.	.
Overall relative standard deviation (%)	.	.	.	.	.	.	.	.	.

Statistic	Low	Mid	High
Number of usable pairs	1.00	1.00	1.00
Single-operator standard deviation (pg/L)	.	.	.

Appendix C. ASTM D2777-03 Final Reagent Water Statistical Summary by PCB

PCB=117

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	1.00	1.00	1.00	2.00	1.00	2.00	1.00	2.00	1.00
Number of laboratories	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
True concentration (pg/L)	28.0	55.9	210	420	839	1678	1958	3636	4196
Mean recovery (pg/L)	29.2	51.8	187	434	950	1870	2090	4185	4770
Percent recovery (%)	104	92.6	89.1	103	113	111	107	115	114
Overall standard deviation (pg/L)	.	.	.	.	.	.	.	.	.
Overall relative standard deviation (%)	.	.	.	.	.	.	.	.	.

Statistic	Low	Mid	High
Number of usable pairs	1.00	1.00	1.00
Single-operator standard deviation (pg/L)	.	.	.

PCB=118

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	7.00	8.00	8.00	16.0	8.00	11.0	8.00	11.0	8.00
Number of laboratories	7.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00
True concentration (pg/L)	47.0	93.9	352	704	1409	2817	3287	6104	7043
Mean recovery (pg/L)	49.3	80.1	245	531	1030	2121	2428	4727	5387
Percent recovery (%)	105	85.3	69.6	75.5	73.2	75.3	73.9	77.4	76.5
Overall standard deviation (pg/L)	15.0	18.4	30.2	56.7	158	241	390	376	462
Overall relative standard deviation (%)	30.3	23.0	12.3	10.7	15.3	11.4	16.1	7.96	8.57

Statistic	Low	Mid	High
Number of usable pairs	8.00	8.00	8.00
Single-operator standard deviation (pg/L)	28.05	219.21	217.44

Appendix C. ASTM D2777-03 Final Reagent Water Statistical Summary by PCB

PCB=120

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	7.00	6.00	8.00	16.0	8.00	11.0	8.00	11.0	8.00
Number of laboratories	7.00	6.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00
True concentration (pg/L)	29.0	57.9	217	435	869	1738	2028	3766	4346
Mean recovery (pg/L)	20.2	38.3	151	326	633	1346	1466	2936	3300
Percent recovery (%)	69.8	66.2	69.5	75.1	72.8	77.4	72.3	78.0	75.9
Overall standard deviation (pg/L)	1.79	7.05	21.9	48.4	116	171	268	499	473
Overall relative standard deviation (%)	8.87	18.4	14.5	14.8	18.3	12.7	18.3	17.0	14.3

Statistic	Low	Mid	High
Number of usable pairs	8.00	8.00	8.00
Single-operator standard deviation (pg/L)	16.12	152.74	113.15

PCB=121

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	7.00	7.00	7.00	14.0	7.00	10.0	7.00	10.0	7.00
Number of laboratories	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00
True concentration (pg/L)	26.0	51.9	195	390	779	1558	1818	3377	3896
Mean recovery (pg/L)	19.5	37.3	140	297	603	1250	1415	2722	3221
Percent recovery (%)	74.9	71.8	71.8	76.4	77.4	80.2	77.8	80.6	82.7
Overall standard deviation (pg/L)	1.90	5.51	16.7	41.1	84.6	181	305	334	469
Overall relative standard deviation (%)	9.76	14.8	12.0	13.8	14.0	14.5	21.5	12.3	14.6

Statistic	Low	Mid	High
Number of usable pairs	7.00	7.00	7.00
Single-operator standard deviation (pg/L)	11.58	141.64	124.07

Appendix C. ASTM D2777-03 Final Reagent Water Statistical Summary by PCB

PCB=122

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	4.00	7.00	7.00	14.0	7.00	10.0	7.00	10.0	7.00
Number of laboratories	4.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00
True concentration (pg/L)	28.0	55.9	210	420	839	1678	1958	3636	4196
Mean recovery (pg/L)	24.3	46.8	164	356	698	1456	1650	3206	3677
Percent recovery (%)	86.8	83.7	78.3	84.8	83.2	86.7	84.3	88.2	87.6
Overall standard deviation (pg/L)	4.92	7.48	32.3	58.8	125	240	375	563	598
Overall relative standard deviation (%)	20.3	16.0	19.6	16.5	17.9	16.5	22.7	17.6	16.3

Statistic	Low	Mid	High
Number of usable pairs	7.00	7.00	7.00
Single-operator standard deviation (pg/L)	17.69	127.08	124.11

PCB=123

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	4.00	6.00	6.00	12.0	6.00	9.00	6.00	9.00	6.00
Number of laboratories	4.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00
True concentration (pg/L)	23.0	46.0	172	345	689	1379	1608	2987	3447
Mean recovery (pg/L)	17.6	34.3	109	250	499	1014	1107	2170	2587
Percent recovery (%)	76.4	74.7	63.5	72.5	72.3	73.6	68.8	72.6	75.1
Overall standard deviation (pg/L)	2.14	6.00	17.2	37.3	127	155	196	256	366
Overall relative standard deviation (%)	12.2	17.5	15.7	14.9	25.4	15.3	17.7	11.8	14.2

Statistic	Low	Mid	High
Number of usable pairs	6.00	6.00	6.00
Single-operator standard deviation (pg/L)	16.16	88.52	178.11

Appendix C. ASTM D2777-03 Final Reagent Water Statistical Summary by PCB

PCB=126

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	8.00	8.00	8.00	16.0	8.00	11.0	8.00	11.0	8.00
Number of laboratories	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00
True concentration (pg/L)	24.0	48.0	180	360	719	1439	1678	3117	3596
Mean recovery (pg/L)	19.2	37.5	137	301	609	1235	1421	2712	3164
Percent recovery (%)	79.9	78.3	76.3	83.6	84.7	85.8	84.6	87.0	88.0
Overall standard deviation (pg/L)	3.97	5.07	17.6	35.5	72.8	142	173	244	295
Overall relative standard deviation (%)	20.7	13.5	12.8	11.8	12.0	11.5	12.2	8.99	9.32

Statistic	Low	Mid	High
Number of usable pairs	8.00	8.00	8.00
Single-operator standard deviation (pg/L)	23.50	81.72	94.34

PCB=127

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	7.00	7.00	8.00	16.0	8.00	11.0	8.00	11.0	8.00
Number of laboratories	7.00	7.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00
True concentration (pg/L)	24.0	48.0	180	360	719	1439	1678	3117	3596
Mean recovery (pg/L)	18.2	36.7	132	293	574	1193	1376	2674	3085
Percent recovery (%)	75.8	76.5	73.2	81.5	79.8	82.9	82.0	85.8	85.8
Overall standard deviation (pg/L)	3.33	6.82	25.2	47.1	101	185	290	421	447
Overall relative standard deviation (%)	18.3	18.6	19.1	16.1	17.7	15.5	21.1	15.8	14.5

Statistic	Low	Mid	High
Number of usable pairs	8.00	8.00	8.00
Single-operator standard deviation (pg/L)	23.24	144.92	133.52

Appendix C. ASTM D2777-03 Final Reagent Water Statistical Summary by PCB

PCB=128/166

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	8.00	8.00	8.00	16.0	8.00	11.0	8.00	11.0	8.00
Number of laboratories	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00
True concentration (pg/L)	49.0	97.9	367	734	1469	2937	3427	6364	7343
Mean recovery (pg/L)	39.9	78.4	281	611	1231	2586	2825	5505	6395
Percent recovery (%)	81.5	80.0	76.6	83.2	83.8	88.0	82.4	86.5	87.1
Overall standard deviation (pg/L)	7.34	15.6	40.7	91.1	179	318	453	624	708
Overall relative standard deviation (%)	18.4	19.9	14.5	14.9	14.5	12.3	16.0	11.3	11.1

Statistic	Low	Mid	High
Number of usable pairs	8.00	8.00	8.00
Single-operator standard deviation (pg/L)	50.57	262.19	186.31

PCB=129/138/160/163

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	4.00	4.00	4.00	8.00	4.00	4.00	4.00	4.00	4.00
Number of laboratories	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
True concentration (pg/L)	109	218	817	1633	3267	6533	7622	14E3	16E3
Mean recovery (pg/L)	97.7	181	607	1331	2713	5952	5936	12E3	14E3
Percent recovery (%)	89.7	83.2	74.3	81.5	83.0	91.1	77.9	82.8	86.0
Overall standard deviation (pg/L)	15.0	21.8	47.8	111	308	269	785	694	691
Overall relative standard deviation (%)	15.4	12.0	7.87	8.37	11.3	4.51	13.2	5.92	4.92

Statistic	Low	Mid	High
Number of usable pairs	4.00	4.00	4.00
Single-operator standard deviation (pg/L)	143.36	499.09	361.09

Appendix C. ASTM D2777-03 Final Reagent Water Statistical Summary by PCB

PCB=129/138/163

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	4.00	4.00	4.00	8.00	4.00	7.00	4.00	7.00	4.00
Number of laboratories	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
True concentration (pg/L)	82.9	166	622	1244	2488	4975	5804	11E3	12E3
Mean recovery (pg/L)	99.1	171	534	1102	2138	4275	5080	9363	11E3
Percent recovery (%)	119	103	85.9	88.6	85.9	85.9	87.5	86.9	84.9
Overall standard deviation (pg/L)	36.6	45.4	124	240	502	774	984	1760	1840
Overall relative standard deviation (%)	37.0	26.6	23.1	21.8	23.5	18.1	19.4	18.8	17.4

Statistic	Low	Mid	High
Number of usable pairs	4.00	4.00	4.00
Single-operator standard deviation (pg/L)	15.64	186.33	297.68

PCB=130

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	6.00	7.00	7.00	14.0	7.00	10.0	7.00	10.0	7.00
Number of laboratories	6.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00
True concentration (pg/L)	28.0	55.9	210	420	839	1678	1958	3636	4196
Mean recovery (pg/L)	24.5	47.6	164	359	702	1478	1650	3134	3603
Percent recovery (%)	87.4	85.1	78.1	85.6	83.6	88.1	84.3	86.2	85.9
Overall standard deviation (pg/L)	2.36	7.73	23.5	44.9	98.8	186	298	489	414
Overall relative standard deviation (%)	9.66	16.3	14.3	12.5	14.1	12.6	18.1	15.6	11.5

Statistic	Low	Mid	High
Number of usable pairs	7.00	7.00	7.00
Single-operator standard deviation (pg/L)	19.06	155.27	145.08

Appendix C. ASTM D2777-03 Final Reagent Water Statistical Summary by PCB

PCB=130/137/164

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	.	1.00	1.00	2.00	1.00	1.00	1.00	.	1.00
Number of laboratories	.	1.00	1.00	1.00	1.00	1.00	1.00	.	1.00
True concentration (pg/L)	.	152	569	1139	2278	4555	5315	.	11E3
Mean recovery (pg/L)	.	91.9	435	695	1500	4247	2716	.	6789
Percent recovery (%)	.	60.5	76.5	61.0	65.9	93.2	51.1	.	59.6
Overall standard deviation (pg/L)	.	.	.	.	.	.	.	.	.
Overall relative standard deviation (%)	.	.	.	.	.	.	.	.	.

Statistic	Low	Mid	High
Number of usable pairs	1.00	1.00	.
Single-operator standard deviation (pg/L)	.	.	.

PCB=131

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	5.00	5.00	6.00	12.0	6.00	9.00	6.00	9.00	6.00
Number of laboratories	5.00	5.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00
True concentration (pg/L)	25.0	50.0	187	375	749	1499	1748	3247	3746
Mean recovery (pg/L)	21.4	44.7	155	329	645	1313	1583	2833	3368
Percent recovery (%)	85.7	89.5	82.6	87.9	86.1	87.6	90.6	87.2	89.9
Overall standard deviation (pg/L)	4.22	5.75	22.1	45.0	49.0	121	215	340	414
Overall relative standard deviation (%)	19.7	12.9	14.3	13.7	7.59	9.24	13.6	12.0	12.3

Statistic	Low	Mid	High
Number of usable pairs	6.00	6.00	6.00
Single-operator standard deviation (pg/L)	16.29	95.24	168.98

Appendix C. ASTM D2777-03 Final Reagent Water Statistical Summary by PCB

PCB=131/142

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	1.00	1.00	1.00	2.00	1.00	1.00	1.00	1.00	1.00
Number of laboratories	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
True concentration (pg/L)	50.9	102	382	764	1528	3057	3566	6623	7642
Mean recovery (pg/L)	34.8	78.3	434	745	2121	4279	3346	8979	9883
Percent recovery (%)	68.2	76.8	113	97.5	139	140	93.8	136	129
Overall standard deviation (pg/L)	.	.	.	.	.	.	.	.	.
Overall relative standard deviation (%)	.	.	.	.	.	.	.	.	.

Statistic	Low	Mid	High
Number of usable pairs	1.00	1.00	1.00
Single-operator standard deviation (pg/L)	.	.	.

PCB=132

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	7.00	6.00	7.00	16.0	8.00	11.0	8.00	11.0	8.00
Number of laboratories	7.00	6.00	7.00	8.00	8.00	8.00	8.00	8.00	8.00
True concentration (pg/L)	25.0	50.0	187	375	749	1499	1748	3247	3746
Mean recovery (pg/L)	31.6	53.7	165	343	701	1427	1577	2981	3470
Percent recovery (%)	126	108	87.9	91.5	93.5	95.2	90.2	91.8	92.6
Overall standard deviation (pg/L)	10.2	9.85	23.3	46.0	93.8	188	256	343	399
Overall relative standard deviation (%)	32.2	18.3	14.1	13.4	13.4	13.2	16.2	11.5	11.5

Statistic	Low	Mid	High
Number of usable pairs	8.00	8.00	8.00
Single-operator standard deviation (pg/L)	21.76	165.49	205.02

Appendix C. ASTM D2777-03 Final Reagent Water Statistical Summary by PCB

PCB=133

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	5.00	8.00	7.00	16.0	8.00	11.0	8.00	11.0	8.00
Number of laboratories	5.00	8.00	7.00	8.00	8.00	8.00	8.00	8.00	8.00
True concentration (pg/L)	24.0	48.0	180	360	719	1439	1678	3117	3596
Mean recovery (pg/L)	19.7	36.9	134	285	589	1222	1297	2593	2869
Percent recovery (%)	82.2	76.9	74.7	79.3	81.9	84.9	77.3	83.2	79.8
Overall standard deviation (pg/L)	4.14	8.99	24.0	46.3	90.0	172	231	434	368
Overall relative standard deviation (%)	21.0	24.4	17.9	16.3	15.3	14.0	17.8	16.7	12.8

Statistic	Low	Mid	High
Number of usable pairs	8.00	8.00	8.00
Single-operator standard deviation (pg/L)	16.88	176.21	221.89

PCB=134

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	1.00	2.00	2.00	4.00	2.00	4.00	2.00	4.00	2.00
Number of laboratories	1.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
True concentration (pg/L)	22.0	44.0	165	330	659	1319	1538	2857	3297
Mean recovery (pg/L)	35.6	56.0	199	398	750	1505	1825	3505	3735
Percent recovery (%)	162	127	120	121	114	114	119	123	113
Overall standard deviation (pg/L)	.	3.18	27.6	30.1	41.0	210	7.07	373	417
Overall relative standard deviation (%)	.	5.69	13.9	7.56	5.47	13.9	0.39	10.6	11.2

Statistic	Low	Mid	High
Number of usable pairs	2.00	2.00	2.00
Single-operator standard deviation (pg/L)	58.00	167.43	398.37

Appendix C. ASTM D2777-03 Final Reagent Water Statistical Summary by PCB

PCB=134/143

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	4.00	5.00	5.00	10.0	5.00	6.00	5.00	6.00	5.00
Number of laboratories	4.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
True concentration (pg/L)	48.0	95.9	360	719	1439	2877	3357	6234	7193
Mean recovery (pg/L)	38.9	81.0	279	622	1147	2615	2894	5313	6458
Percent recovery (%)	81.2	84.5	77.6	86.5	79.7	90.9	86.2	85.2	89.8
Overall standard deviation (pg/L)	1.28	8.91	34.9	61.5	331	299	522	527	705
Overall relative standard deviation (%)	3.28	11.0	12.5	9.88	28.9	11.4	18.0	9.91	10.9

Statistic	Low	Mid	High
Number of usable pairs	5.00	5.00	5.00
Single-operator standard deviation (pg/L)	33.57	278.97	259.20

PCB=134/147/149

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	1.00	1.00	1.00	2.00	1.00	1.00	1.00	1.00	1.00
Number of laboratories	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
True concentration (pg/L)	78.9	158	592	1184	2368	4735	5524	1E4	12E3
Mean recovery (pg/L)	85.1	138	642	1011	2667	5706	4667	11E3	12E3
Percent recovery (%)	108	87.3	108	85.4	113	121	84.5	105	105
Overall standard deviation (pg/L)	.	.	.	.	.	.	.	.	.
Overall relative standard deviation (%)	.	.	.	.	.	.	.	.	.

Statistic	Low	Mid	High
Number of usable pairs	1.00	1.00	1.00
Single-operator standard deviation (pg/L)	.	.	.

Appendix C. ASTM D2777-03 Final Reagent Water Statistical Summary by PCB

PCB=135/151

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	3.00	5.00	5.00	9.00	5.00	7.00	5.00	8.00	4.00
Number of laboratories	3.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	4.00
True concentration (pg/L)	47.0	93.9	352	704	1409	2817	3287	6104	7043
Mean recovery (pg/L)	56.6	104	335	675	1346	2691	3272	6062	6928
Percent recovery (%)	121	110	95.2	95.8	95.6	95.5	99.6	99.3	98.4
Overall standard deviation (pg/L)	7.66	16.6	32.5	90.4	199	373	504	812	949
Overall relative standard deviation (%)	13.5	16.0	9.68	13.4	14.8	13.9	15.4	13.4	13.7

Statistic	Low	Mid	High
Number of usable pairs	4.00	5.00	4.00
Single-operator standard deviation (pg/L)	26.44	185.26	541.81

PCB=135/151/154

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	2.00	3.00	3.00	6.00	3.00	3.00	3.00	3.00	3.00
Number of laboratories	2.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
True concentration (pg/L)	74.9	150	562	1124	2248	4496	5245	9740	11E3
Mean recovery (pg/L)	53.0	111	395	826	1805	3878	3248	6885	9437
Percent recovery (%)	70.7	73.9	70.4	73.5	80.3	86.3	61.9	70.7	84.0
Overall standard deviation (pg/L)	2.62	26.3	135	144	404	901	590	569	2486
Overall relative standard deviation (%)	4.94	23.7	34.1	17.4	22.4	23.2	18.2	8.26	26.3

Statistic	Low	Mid	High
Number of usable pairs	3.00	3.00	3.00
Single-operator standard deviation (pg/L)	55.49	738.48	2065.0

Appendix C. ASTM D2777-03 Final Reagent Water Statistical Summary by PCB

PCB=136

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	7.00	8.00	8.00	16.0	8.00	11.0	8.00	11.0	8.00
Number of laboratories	7.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00
True concentration (pg/L)	22.0	44.0	165	330	659	1319	1538	2857	3297
Mean recovery (pg/L)	22.8	43.9	150	305	631	1259	1452	2807	3220
Percent recovery (%)	104	99.8	90.8	92.6	95.6	95.5	94.4	98.2	97.7
Overall standard deviation (pg/L)	2.97	8.90	31.8	58.1	105	224	333	486	478
Overall relative standard deviation (%)	13.0	20.3	21.3	19.0	16.7	17.8	22.9	17.3	14.8

Statistic	Low	Mid	High
Number of usable pairs	8.00	8.00	8.00
Single-operator standard deviation (pg/L)	15.65	118.00	203.19

PCB=137

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	4.00	4.00	5.00	10.0	5.00	8.00	5.00	8.00	5.00
Number of laboratories	4.00	4.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
True concentration (pg/L)	23.0	46.0	172	345	689	1379	1608	2987	3447
Mean recovery (pg/L)	17.9	36.1	130	269	536	1134	1166	2354	2684
Percent recovery (%)	78.0	78.6	75.6	78.1	77.8	82.2	72.5	78.8	77.9
Overall standard deviation (pg/L)	4.17	14.3	46.6	89.8	119	320	305	668	824
Overall relative standard deviation (%)	23.3	39.5	35.8	33.4	22.3	28.3	26.2	28.4	30.7

Statistic	Low	Mid	High
Number of usable pairs	5.00	5.00	5.00
Single-operator standard deviation (pg/L)	20.38	120.57	136.70

Appendix C. ASTM D2777-03 Final Reagent Water Statistical Summary by PCB

PCB=137/164

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	2.00	2.00	2.00	4.00	2.00	2.00	2.00	2.00	2.00
Number of laboratories	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
True concentration (pg/L)	48.0	95.9	360	719	1439	2877	3357	6234	7193
Mean recovery (pg/L)	36.3	74.0	242	570	1050	2370	2510	4995	5920
Percent recovery (%)	75.7	77.2	67.2	79.2	73.0	82.4	74.8	80.1	82.3
Overall standard deviation (pg/L)	0.99	4.24	26.2	24.1	70.7	99.0	552	573	255
Overall relative standard deviation (%)	2.73	5.73	10.8	4.24	6.73	4.18	22.0	11.5	4.30

Statistic	Low	Mid	High
Number of usable pairs	2.00	2.00	2.00
Single-operator standard deviation (pg/L)	44.00	460.00	225.00

PCB=139/140

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	8.00	8.00	8.00	16.0	8.00	11.0	8.00	11.0	8.00
Number of laboratories	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00
True concentration (pg/L)	50.0	99.9	375	749	1499	2997	3497	6494	7493
Mean recovery (pg/L)	34.5	71.9	269	566	1177	2468	2697	5155	5995
Percent recovery (%)	69.1	72.0	71.9	75.5	78.5	82.3	77.1	79.4	80.0
Overall standard deviation (pg/L)	6.19	14.7	37.1	84.8	155	298	502	670	702
Overall relative standard deviation (%)	18.0	20.4	13.8	15.0	13.2	12.1	18.6	13.0	11.7

Statistic	Low	Mid	High
Number of usable pairs	8.00	8.00	8.00
Single-operator standard deviation (pg/L)	23.23	344.34	192.75

Appendix C. ASTM D2777-03 Final Reagent Water Statistical Summary by PCB

PCB=141

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	6.00	7.00	7.00	14.0	7.00	10.0	7.00	10.0	7.00
Number of laboratories	6.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00
True concentration (pg/L)	25.0	50.0	187	375	749	1499	1748	3247	3746
Mean recovery (pg/L)	20.9	41.0	137	293	576	1206	1373	2535	2989
Percent recovery (%)	83.8	82.0	73.1	78.3	76.9	80.5	78.5	78.1	79.8
Overall standard deviation (pg/L)	3.21	4.42	12.6	31.5	71.4	176	232	385	421
Overall relative standard deviation (%)	15.4	10.8	9.18	10.7	12.4	14.6	16.9	15.2	14.1

Statistic	Low	Mid	High
Number of usable pairs	7.00	7.00	7.00
Single-operator standard deviation (pg/L)	15.48	139.28	121.35

PCB=141/153/168

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	1.00	1.00	1.00	2.00	1.00	1.00	1.00	1.00	1.00
Number of laboratories	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
True concentration (pg/L)	153	306	1146	2293	4585	9171	11E3	2E4	23E3
Mean recovery (pg/L)	148	224	910	1690	3872	8136	8034	16E3	19E3
Percent recovery (%)	96.7	73.3	79.4	73.7	84.4	88.7	75.1	82.0	82.0
Overall standard deviation (pg/L)	.	.	.	.	.	.	.	.	.
Overall relative standard deviation (%)	.	.	.	.	.	.	.	.	.

Statistic	Low	Mid	High
Number of usable pairs	1.00	1.00	1.00
Single-operator standard deviation (pg/L)	.	.	.

Appendix C. ASTM D2777-03 Final Reagent Water Statistical Summary by PCB

PCB=142

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	7.00	7.00	7.00	14.0	7.00	10.0	7.00	10.0	7.00
Number of laboratories	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00
True concentration (pg/L)	26.0	51.9	195	390	779	1558	1818	3377	3896
Mean recovery (pg/L)	20.2	44.6	153	329	670	1376	1583	2891	3387
Percent recovery (%)	77.9	85.9	78.8	84.4	85.9	88.3	87.1	85.6	86.9
Overall standard deviation (pg/L)	3.38	8.76	19.6	41.5	85.9	169	292	365	376
Overall relative standard deviation (%)	16.7	19.6	12.8	12.6	12.8	12.3	18.5	12.6	11.1

Statistic	Low	Mid	High
Number of usable pairs	7.00	7.00	7.00
Single-operator standard deviation (pg/L)	20.67	153.54	111.77

PCB=143

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	3.00	3.00	3.00	6.00	3.00	5.00	3.00	5.00	3.00
Number of laboratories	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
True concentration (pg/L)	26.0	51.9	195	390	779	1558	1818	3377	3896
Mean recovery (pg/L)	19.1	42.7	179	332	796	1635	1689	3321	3919
Percent recovery (%)	73.7	82.1	91.7	85.3	102	105	92.9	98.3	101
Overall standard deviation (pg/L)	4.49	4.52	19.5	40.0	91.2	318	232	453	260
Overall relative standard deviation (%)	23.5	10.6	10.9	12.0	11.5	19.4	13.8	13.7	6.64

Statistic	Low	Mid	High
Number of usable pairs	3.00	3.00	3.00
Single-operator standard deviation (pg/L)	41.65	368.74	156.65

Appendix C. ASTM D2777-03 Final Reagent Water Statistical Summary by PCB

PCB=144

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	8.00	7.00	8.00	16.0	8.00	11.0	8.00	11.0	8.00
Number of laboratories	8.00	7.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00
True concentration (pg/L)	22.0	44.0	165	330	659	1319	1538	2857	3297
Mean recovery (pg/L)	23.7	41.6	166	330	691	1527	1656	3172	3875
Percent recovery (%)	108	94.7	101	100	105	116	108	111	118
Overall standard deviation (pg/L)	10.6	13.8	106	157	378	1066	1031	1725	2751
Overall relative standard deviation (%)	44.8	33.1	63.5	47.7	54.7	69.8	62.3	54.4	71.0

Statistic	Low	Mid	High
Number of usable pairs	8.00	8.00	8.00
Single-operator standard deviation (pg/L)	45.54	141.15	796.00

PCB=145

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	8.00	7.00	8.00	16.0	8.00	11.0	8.00	11.0	8.00
Number of laboratories	8.00	7.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00
True concentration (pg/L)	24.0	48.0	180	360	719	1439	1678	3117	3596
Mean recovery (pg/L)	18.9	38.6	146	293	617	1255	1399	2696	3182
Percent recovery (%)	78.8	80.6	81.0	81.5	85.8	87.2	83.4	86.5	88.5
Overall standard deviation (pg/L)	4.31	12.0	31.3	65.5	113	190	354	550	554
Overall relative standard deviation (%)	22.8	31.0	21.4	22.3	18.4	15.1	25.3	20.4	17.4

Statistic	Low	Mid	High
Number of usable pairs	8.00	8.00	8.00
Single-operator standard deviation (pg/L)	16.76	149.89	224.16

Appendix C. ASTM D2777-03 Final Reagent Water Statistical Summary by PCB

PCB=146

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	6.00	6.00	6.00	12.0	6.00	9.00	6.00	9.00	6.00
Number of laboratories	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00
True concentration (pg/L)	32.0	63.9	240	480	959	1918	2238	4156	4795
Mean recovery (pg/L)	28.6	52.9	196	418	804	1640	1902	3588	4055
Percent recovery (%)	89.5	82.8	81.7	87.3	83.9	85.5	85.0	86.3	84.6
Overall standard deviation (pg/L)	3.77	5.16	37.5	77.3	133	274	355	666	679
Overall relative standard deviation (%)	13.2	9.75	19.2	18.5	16.6	16.7	18.7	18.6	16.7

Statistic	Low	Mid	High
Number of usable pairs	6.00	6.00	6.00
Single-operator standard deviation (pg/L)	12.97	140.62	79.98

PCB=146/161

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	2.00	2.00	2.00	4.00	2.00	2.00	2.00	2.00	2.00
Number of laboratories	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
True concentration (pg/L)	55.9	112	420	839	1678	3357	3916	7273	8392
Mean recovery (pg/L)	39.5	68.9	268	599	1290	2872	2629	5594	6757
Percent recovery (%)	70.7	61.6	64.0	71.3	76.9	85.6	67.1	76.9	80.5
Overall standard deviation (pg/L)	0.04	14.7	0.91	73.0	184	59.7	295	459	321
Overall relative standard deviation (%)	0.11	21.4	0.34	12.2	14.3	2.08	11.2	8.20	4.75

Statistic	Low	Mid	High
Number of usable pairs	2.00	2.00	2.00
Single-operator standard deviation (pg/L)	50.39	166.46	97.36

Appendix C. ASTM D2777-03 Final Reagent Water Statistical Summary by PCB

PCB=147/149

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	7.00	7.00	7.00	14.0	7.00	10.0	7.00	10.0	7.00
Number of laboratories	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00
True concentration (pg/L)	56.9	114	427	854	1708	3417	3986	7403	8541
Mean recovery (pg/L)	63.3	107	354	747	1431	2902	3393	6132	7583
Percent recovery (%)	111	94.3	82.9	87.4	83.8	84.9	85.1	82.8	88.8
Overall standard deviation (pg/L)	17.0	16.8	57.1	110	239	483	581	1091	1770
Overall relative standard deviation (%)	26.9	15.6	16.1	14.7	16.7	16.6	17.1	17.8	23.3

Statistic	Low	Mid	High
Number of usable pairs	7.00	7.00	7.00
Single-operator standard deviation (pg/L)	41.85	204.47	1061.2

PCB=148

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	6.00	8.00	8.00	16.0	8.00	11.0	8.00	11.0	8.00
Number of laboratories	6.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00
True concentration (pg/L)	26.0	51.9	195	390	779	1558	1818	3377	3896
Mean recovery (pg/L)	20.2	39.0	143	297	611	1264	1419	2795	3200
Percent recovery (%)	77.6	75.1	73.3	76.2	78.5	81.1	78.0	82.8	82.1
Overall standard deviation (pg/L)	5.63	8.90	29.9	57.8	95.3	189	325	508	472
Overall relative standard deviation (%)	27.9	22.8	20.9	19.5	15.6	15.0	22.9	18.2	14.8

Statistic	Low	Mid	High
Number of usable pairs	8.00	8.00	8.00
Single-operator standard deviation (pg/L)	13.53	156.66	136.53

Appendix C. ASTM D2777-03 Final Reagent Water Statistical Summary by PCB

PCB=150

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	7.00	7.00	7.00	14.0	7.00	10.0	7.00	10.0	7.00
Number of laboratories	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00
True concentration (pg/L)	26.0	51.9	195	390	779	1558	1818	3377	3896
Mean recovery (pg/L)	21.1	42.5	162	330	686	1380	1577	3054	3497
Percent recovery (%)	81.4	81.8	83.0	84.7	88.0	88.6	86.7	90.4	89.8
Overall standard deviation (pg/L)	3.85	8.81	35.7	59.8	117	232	360	499	548
Overall relative standard deviation (%)	18.2	20.7	22.1	18.1	17.1	16.8	22.8	16.3	15.7

Statistic	Low	Mid	High
Number of usable pairs	7.00	7.00	7.00
Single-operator standard deviation (pg/L)	18.80	135.87	230.82

PCB=150/152

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	1.00	1.00	1.00	2.00	1.00	1.00	1.00	1.00	1.00
Number of laboratories	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
True concentration (pg/L)	52.9	106	397	794	1588	3177	3706	6883	7942
Mean recovery (pg/L)	31.9	59.1	267	485	1220	1384	2404	4792	6388
Percent recovery (%)	60.3	55.8	67.1	61.0	76.8	43.6	64.9	69.6	80.4
Overall standard deviation (pg/L)	.	.	.	.	.	.	.	.	.
Overall relative standard deviation (%)	.	.	.	.	.	.	.	.	.

Statistic	Low	Mid	High
Number of usable pairs	1.00	1.00	1.00
Single-operator standard deviation (pg/L)	.	.	.

Appendix C. ASTM D2777-03 Final Reagent Water Statistical Summary by PCB

PCB=152

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	6.00	7.00	7.00	14.0	7.00	10.0	7.00	10.0	7.00
Number of laboratories	6.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00
True concentration (pg/L)	27.0	53.9	202	405	809	1618	1888	3506	4046
Mean recovery (pg/L)	24.1	48.1	177	360	752	1505	1726	3277	3870
Percent recovery (%)	89.3	89.2	87.6	89.0	93.0	93.0	91.4	93.5	95.7
Overall standard deviation (pg/L)	5.75	12.3	39.8	73.5	134	265	412	552	677
Overall relative standard deviation (%)	23.9	25.5	22.5	20.4	17.8	17.6	23.9	16.8	17.5

Statistic	Low	Mid	High
Number of usable pairs	7.00	7.00	7.00
Single-operator standard deviation (pg/L)	27.44	132.36	326.57

PCB=153/168

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	7.00	7.00	7.00	14.0	7.00	10.0	7.00	10.0	7.00
Number of laboratories	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00
True concentration (pg/L)	128	256	959	1918	3836	7672	8951	17E3	19E3
Mean recovery (pg/L)	104	191	645	1424	2714	5749	6323	12E3	14E3
Percent recovery (%)	81.2	74.6	67.3	74.2	70.8	74.9	70.6	73.6	73.3
Overall standard deviation (pg/L)	21.3	26.2	103	192	422	689	965	1504	1622
Overall relative standard deviation (%)	20.5	13.8	16.0	13.5	15.6	12.0	15.3	12.3	11.5

Statistic	Low	Mid	High
Number of usable pairs	7.00	7.00	7.00
Single-operator standard deviation (pg/L)	75.66	703.73	462.71

Appendix C. ASTM D2777-03 Final Reagent Water Statistical Summary by PCB

PCB=154

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	5.00	5.00	5.00	10.0	5.00	8.00	5.00	8.00	4.00
Number of laboratories	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	4.00
True concentration (pg/L)	28.0	55.9	210	420	839	1678	1958	3636	4196
Mean recovery (pg/L)	20.6	40.4	148	317	634	1312	1532	2978	3368
Percent recovery (%)	73.6	72.3	70.7	75.6	75.6	78.2	78.2	81.9	80.3
Overall standard deviation (pg/L)	4.45	7.69	19.0	49.4	87.1	252	274	543	519
Overall relative standard deviation (%)	21.6	19.0	12.8	15.6	13.7	19.2	17.9	18.2	15.4

Statistic	Low	Mid	High
Number of usable pairs	5.00	5.00	4.00
Single-operator standard deviation (pg/L)	14.34	165.80	119.86

PCB=155

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	7.00	8.00	8.00	16.0	8.00	11.0	8.00	11.0	8.00
Number of laboratories	7.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00
True concentration (pg/L)	26.0	51.9	195	390	779	1558	1818	3377	3896
Mean recovery (pg/L)	19.2	40.7	146	329	654	1313	1532	2883	3253
Percent recovery (%)	74.1	78.4	74.9	84.3	84.0	84.2	84.3	85.4	83.5
Overall standard deviation (pg/L)	2.60	5.36	22.1	50.1	109	190	289	411	384
Overall relative standard deviation (%)	13.5	13.2	15.2	15.3	16.7	14.5	18.9	14.2	11.8

Statistic	Low	Mid	High
Number of usable pairs	8.00	8.00	8.00
Single-operator standard deviation (pg/L)	31.77	115.08	99.43

Appendix C. ASTM D2777-03 Final Reagent Water Statistical Summary by PCB

PCB=156/157

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	7.00	8.00	8.00	16.0	8.00	11.0	8.00	11.0	8.00
Number of laboratories	7.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00
True concentration (pg/L)	45.0	89.9	337	674	1349	2697	3147	5844	6743
Mean recovery (pg/L)	35.7	66.7	239	514	1027	2081	2347	4578	5300
Percent recovery (%)	79.3	74.2	70.9	76.2	76.1	77.1	74.6	78.3	78.6
Overall standard deviation (pg/L)	7.45	12.7	40.6	80.8	166	311	409	565	669
Overall relative standard deviation (%)	20.9	19.0	17.0	15.7	16.2	14.9	17.4	12.4	12.6

Statistic	Low	Mid	High
Number of usable pairs	8.00	8.00	8.00
Single-operator standard deviation (pg/L)	23.57	131.04	205.59

PCB=158

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	8.00	7.00	8.00	15.0	8.00	10.0	8.00	11.0	7.00
Number of laboratories	8.00	7.00	8.00	8.00	8.00	8.00	8.00	8.00	7.00
True concentration (pg/L)	22.0	44.0	165	330	659	1319	1538	2857	3297
Mean recovery (pg/L)	18.5	38.6	124	264	528	1112	1235	2333	2687
Percent recovery (%)	84.2	87.9	75.5	80.1	80.1	84.3	80.3	81.6	81.5
Overall standard deviation (pg/L)	3.68	7.27	19.1	46.3	73.8	139	248	379	398
Overall relative standard deviation (%)	19.9	18.8	15.4	17.6	14.0	12.5	20.0	16.2	14.8

Statistic	Low	Mid	High
Number of usable pairs	7.00	8.00	7.00
Single-operator standard deviation (pg/L)	13.93	123.16	86.23

Appendix C. ASTM D2777-03 Final Reagent Water Statistical Summary by PCB

PCB=159

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	8.00	8.00	8.00	16.0	8.00	11.0	8.00	11.0	8.00
Number of laboratories	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00
True concentration (pg/L)	29.0	57.9	217	435	869	1738	2028	3766	4346
Mean recovery (pg/L)	22.4	43.1	165	369	750	1551	1689	3412	3962
Percent recovery (%)	77.4	74.4	76.1	84.8	86.3	89.2	83.3	90.6	91.2
Overall standard deviation (pg/L)	4.16	6.77	44.9	84.8	261	406	452	1065	1122
Overall relative standard deviation (%)	18.5	15.7	27.1	23.0	34.8	26.2	26.8	31.2	28.3

Statistic	Low	Mid	High
Number of usable pairs	8.00	8.00	8.00
Single-operator standard deviation (pg/L)	39.08	135.65	178.12

PCB=160

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	2.00	4.00	4.00	8.00	4.00	7.00	4.00	7.00	4.00
Number of laboratories	2.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
True concentration (pg/L)	26.0	51.9	195	390	779	1558	1818	3377	3896
Mean recovery (pg/L)	24.0	40.6	150	306	633	1266	1565	2768	3765
Percent recovery (%)	92.2	78.1	77.0	78.4	81.2	81.3	86.1	82.0	96.6
Overall standard deviation (pg/L)	2.90	8.41	19.2	48.5	113	228	306	657	1820
Overall relative standard deviation (%)	12.1	20.7	12.8	15.9	17.8	18.0	19.6	23.7	48.3

Statistic	Low	Mid	High
Number of usable pairs	4.00	4.00	4.00
Single-operator standard deviation (pg/L)	4.81	112.52	1079.3

Appendix C. ASTM D2777-03 Final Reagent Water Statistical Summary by PCB

PCB=161

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	4.00	6.00	6.00	12.0	6.00	9.00	6.00	9.00	6.00
Number of laboratories	4.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00
True concentration (pg/L)	24.0	48.0	180	360	719	1439	1678	3117	3596
Mean recovery (pg/L)	18.3	36.4	122	268	543	1137	1302	2462	2720
Percent recovery (%)	76.4	75.9	67.6	74.5	75.5	79.0	77.6	79.0	75.6
Overall standard deviation (pg/L)	2.50	7.18	14.3	33.5	76.9	195	264	421	465
Overall relative standard deviation (%)	13.6	19.7	11.7	12.5	14.2	17.1	20.3	17.1	17.1

Statistic	Low	Mid	High
Number of usable pairs	6.00	6.00	6.00
Single-operator standard deviation (pg/L)	7.37	127.76	94.26

PCB=162

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	6.00	8.00	8.00	16.0	8.00	11.0	8.00	11.0	8.00
Number of laboratories	6.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00
True concentration (pg/L)	26.0	51.9	195	390	779	1558	1818	3377	3896
Mean recovery (pg/L)	18.6	39.4	144	311	607	1271	1498	2783	3240
Percent recovery (%)	71.8	75.9	74.2	79.9	77.9	81.5	82.4	82.4	83.2
Overall standard deviation (pg/L)	3.71	7.86	28.7	68.3	142	311	336	698	829
Overall relative standard deviation (%)	19.9	19.9	19.8	21.9	23.4	24.5	22.4	25.1	25.6

Statistic	Low	Mid	High
Number of usable pairs	8.00	8.00	8.00
Single-operator standard deviation (pg/L)	31.22	82.84	208.93

Appendix C. ASTM D2777-03 Final Reagent Water Statistical Summary by PCB

PCB=164

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	5.00	4.00	5.00	10.0	5.00	8.00	5.00	8.00	5.00
Number of laboratories	5.00	4.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
True concentration (pg/L)	25.0	50.0	187	375	749	1499	1748	3247	3746
Mean recovery (pg/L)	21.1	43.8	134	305	593	1202	1486	2591	3056
Percent recovery (%)	84.3	87.6	71.4	81.5	79.1	80.2	85.0	79.8	81.6
Overall standard deviation (pg/L)	1.06	1.80	16.9	37.2	64.9	111	158	293	257
Overall relative standard deviation (%)	5.03	4.11	12.7	12.2	11.0	9.26	10.6	11.3	8.41

Statistic	Low	Mid	High
Number of usable pairs	5.00	5.00	5.00
Single-operator standard deviation (pg/L)	19.87	78.75	180.29

PCB=165

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	7.00	8.00	8.00	16.0	8.00	11.0	8.00	11.0	8.00
Number of laboratories	7.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00
True concentration (pg/L)	28.0	55.9	210	420	839	1678	1958	3636	4196
Mean recovery (pg/L)	19.6	41.5	148	329	689	1413	1519	3048	3424
Percent recovery (%)	70.2	74.2	70.5	78.4	82.1	84.2	77.6	83.8	81.6
Overall standard deviation (pg/L)	3.54	9.94	25.8	49.1	98.6	184	287	451	414
Overall relative standard deviation (%)	18.0	23.9	17.4	14.9	14.3	13.0	18.9	14.8	12.1

Statistic	Low	Mid	High
Number of usable pairs	8.00	8.00	8.00
Single-operator standard deviation (pg/L)	18.27	189.85	191.09

Appendix C. ASTM D2777-03 Final Reagent Water Statistical Summary by PCB

PCB=167

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	7.00	7.00	8.00	16.0	8.00	11.0	8.00	11.0	8.00
Number of laboratories	7.00	7.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00
True concentration (pg/L)	23.0	46.0	172	345	689	1379	1608	2987	3447
Mean recovery (pg/L)	17.3	32.8	121	262	532	1081	1188	2372	2741
Percent recovery (%)	75.2	71.4	70.4	76.1	77.2	78.4	73.8	79.4	79.5
Overall standard deviation (pg/L)	3.08	6.30	18.7	35.1	92.5	155	181	273	359
Overall relative standard deviation (%)	17.8	19.2	15.4	13.4	17.4	14.3	15.3	11.5	13.1

Statistic	Low	Mid	High
Number of usable pairs	8.00	8.00	8.00
Single-operator standard deviation (pg/L)	15.89	80.09	116.20

PCB=169

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	7.00	8.00	8.00	16.0	8.00	11.0	8.00	11.0	8.00
Number of laboratories	7.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00
True concentration (pg/L)	24.0	48.0	180	360	719	1439	1678	3117	3596
Mean recovery (pg/L)	21.8	41.2	148	313	637	1281	1445	2816	3294
Percent recovery (%)	90.9	85.9	82.1	87.2	88.6	89.0	86.1	90.3	91.6
Overall standard deviation (pg/L)	3.08	6.76	18.1	35.4	78.9	151	225	340	283
Overall relative standard deviation (%)	14.1	16.4	12.3	11.3	12.4	11.8	15.6	12.1	8.60

Statistic	Low	Mid	High
Number of usable pairs	8.00	8.00	8.00
Single-operator standard deviation (pg/L)	18.18	78.17	143.36

Appendix C. ASTM D2777-03 Final Reagent Water Statistical Summary by PCB

PCB=170

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	6.00	8.00	8.00	16.0	7.00	11.0	8.00	11.0	7.00
Number of laboratories	6.00	8.00	8.00	8.00	7.00	8.00	8.00	8.00	7.00
True concentration (pg/L)	25.0	50.0	187	375	749	1499	1748	3247	3746
Mean recovery (pg/L)	24.7	43.3	142	301	571	1159	1386	2622	3016
Percent recovery (%)	99.0	86.7	75.7	80.3	76.2	77.4	79.3	80.8	80.5
Overall standard deviation (pg/L)	8.59	6.98	25.5	56.8	126	200	247	392	452
Overall relative standard deviation (%)	34.7	16.1	17.9	18.9	22.1	17.3	17.8	14.9	15.0

Statistic	Low	Mid	High
Number of usable pairs	8.00	8.00	7.00
Single-operator standard deviation (pg/L)	20.56	85.86	178.17

PCB=171/173

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	6.00	7.00	7.00	14.0	7.00	10.0	7.00	10.0	7.00
Number of laboratories	6.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00
True concentration (pg/L)	56.9	114	427	854	1708	3417	3986	7403	8541
Mean recovery (pg/L)	48.2	92.6	323	707	1356	2777	3307	6099	7170
Percent recovery (%)	84.6	81.3	75.7	82.8	79.4	81.3	83.0	82.4	83.9
Overall standard deviation (pg/L)	2.39	9.93	39.7	94.9	206	362	540	986	869
Overall relative standard deviation (%)	4.96	10.7	12.3	13.4	15.2	13.0	16.3	16.2	12.1

Statistic	Low	Mid	High
Number of usable pairs	7.00	7.00	7.00
Single-operator standard deviation (pg/L)	36.44	230.99	378.78

Appendix C. ASTM D2777-03 Final Reagent Water Statistical Summary by PCB

PCB=171/173/181

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	1.00	1.00	1.00	2.00	1.00	1.00	1.00	1.00	.
Number of laboratories	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	.
True concentration (pg/L)	80.9	162	607	1214	2428	4855	5664	11E3	.
Mean recovery (pg/L)	77.1	129	590	1314	2798	5449	6557	12E3	.
Percent recovery (%)	95.3	79.4	97.1	108	115	112	116	116	.
Overall standard deviation (pg/L)	.	.	.	.	.	.	.	.	.
Overall relative standard deviation (%)	.	.	.	.	.	.	.	.	.

Statistic	Low	Mid	High
Number of usable pairs	1.00	1.00	.
Single-operator standard deviation (pg/L)	.	.	.

PCB=172

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	7.00	6.00	8.00	16.0	8.00	11.0	8.00	11.0	7.00
Number of laboratories	7.00	6.00	8.00	8.00	8.00	8.00	8.00	8.00	7.00
True concentration (pg/L)	25.0	50.0	187	375	749	1499	1748	3247	3746
Mean recovery (pg/L)	20.0	39.7	140	311	603	1204	1435	2763	3013
Percent recovery (%)	80.2	79.5	74.9	83.1	80.5	80.3	82.1	85.1	80.4
Overall standard deviation (pg/L)	2.32	3.81	21.3	55.8	135	168	307	620	488
Overall relative standard deviation (%)	11.6	9.58	15.2	17.9	22.4	13.9	21.4	22.5	16.2

Statistic	Low	Mid	High
Number of usable pairs	8.00	8.00	7.00
Single-operator standard deviation (pg/L)	29.27	146.50	186.93

Appendix C. ASTM D2777-03 Final Reagent Water Statistical Summary by PCB

PCB=174

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	5.00	6.00	6.00	12.0	6.00	9.00	6.00	9.00	6.00
Number of laboratories	5.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00
True concentration (pg/L)	32.0	63.9	240	480	959	1918	2238	4156	4795
Mean recovery (pg/L)	33.7	62.3	218	453	881	1764	2128	3996	4522
Percent recovery (%)	106	97.4	90.9	94.4	91.8	92.0	95.1	96.1	94.3
Overall standard deviation (pg/L)	5.70	6.03	26.9	49.4	121	229	331	543	544
Overall relative standard deviation (%)	16.9	9.68	12.3	10.9	13.8	13.0	15.6	13.6	12.0

Statistic	Low	Mid	High
Number of usable pairs	6.00	6.00	6.00
Single-operator standard deviation (pg/L)	26.05	93.43	255.45

PCB=174/183/185

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	2.00	2.00	2.00	3.00	2.00	1.00	2.00	1.00	2.00
Number of laboratories	2.00	2.00	2.00	2.00	2.00	1.00	2.00	1.00	2.00
True concentration (pg/L)	79.9	160	599	1199	2398	4795	5594	1E4	12E3
Mean recovery (pg/L)	183	128	772	1715	2996	4370	8098	7360	16E3
Percent recovery (%)	229	80.1	129	143	125	91.1	145	70.8	137
Overall standard deviation (pg/L)	149	25.4	420	910	1861	.	5456	.	7988
Overall relative standard deviation (%)	81.4	19.9	54.4	53.1	62.1	.	67.4	.	48.6

Statistic	Low	Mid	High
Number of usable pairs	1.00	1.00	1.00
Single-operator standard deviation (pg/L)	.	.	.

Appendix C. ASTM D2777-03 Final Reagent Water Statistical Summary by PCB

PCB=175

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	8.00	8.00	8.00	16.0	8.00	11.0	8.00	11.0	8.00
Number of laboratories	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00
True concentration (pg/L)	28.0	55.9	210	420	839	1678	1958	3636	4196
Mean recovery (pg/L)	31.8	58.2	212	461	930	1898	2165	4154	4848
Percent recovery (%)	114	104	101	110	111	113	111	114	116
Overall standard deviation (pg/L)	26.7	43.2	156	352	819	1504	1711	3415	3753
Overall relative standard deviation (%)	84.2	74.2	73.7	76.3	88.1	79.3	79.0	82.2	77.4

Statistic	Low	Mid	High
Number of usable pairs	8.00	8.00	8.00
Single-operator standard deviation (pg/L)	75.65	216.11	340.61

PCB=176

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	7.00	7.00	8.00	16.0	8.00	11.0	8.00	11.0	8.00
Number of laboratories	7.00	7.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00
True concentration (pg/L)	23.0	46.0	172	345	689	1379	1608	2987	3447
Mean recovery (pg/L)	21.6	37.9	149	309	613	1276	1438	2694	3280
Percent recovery (%)	94.1	82.5	86.4	89.5	88.9	92.5	89.4	90.2	95.2
Overall standard deviation (pg/L)	5.91	5.60	31.1	63.3	166	331	346	677	837
Overall relative standard deviation (%)	27.3	14.8	20.9	20.5	27.1	26.0	24.1	25.1	25.5

Statistic	Low	Mid	High
Number of usable pairs	8.00	8.00	8.00
Single-operator standard deviation (pg/L)	19.81	101.65	231.81

Appendix C. ASTM D2777-03 Final Reagent Water Statistical Summary by PCB

PCB=177

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	6.00	8.00	8.00	16.0	8.00	11.0	8.00	11.0	7.00
Number of laboratories	6.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	7.00
True concentration (pg/L)	32.0	63.9	240	480	959	1918	2238	4156	4795
Mean recovery (pg/L)	28.5	59.7	204	439	861	1738	2076	3849	4356
Percent recovery (%)	89.0	93.4	85.1	91.5	89.7	90.6	92.8	92.6	90.8
Overall standard deviation (pg/L)	3.78	5.22	35.7	62.0	151	240	348	760	590
Overall relative standard deviation (%)	13.3	8.74	17.5	14.1	17.5	13.8	16.8	19.7	13.5

Statistic	Low	Mid	High
Number of usable pairs	8.00	8.00	7.00
Single-operator standard deviation (pg/L)	23.28	107.36	166.69

PCB=178

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	7.00	8.00	8.00	15.0	8.00	11.0	8.00	11.0	7.00
Number of laboratories	7.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	7.00
True concentration (pg/L)	25.0	50.0	187	375	749	1499	1748	3247	3746
Mean recovery (pg/L)	37.7	58.8	213	439	885	1865	2062	3925	5013
Percent recovery (%)	151	118	114	117	118	124	118	121	134
Overall standard deviation (pg/L)	42.0	46.3	174	340	782	1672	1739	3452	4545
Overall relative standard deviation (%)	111	78.8	81.4	77.4	88.4	89.6	84.3	87.9	90.7

Statistic	Low	Mid	High
Number of usable pairs	7.00	8.00	7.00
Single-operator standard deviation (pg/L)	53.76	137.21	661.39

Appendix C. ASTM D2777-03 Final Reagent Water Statistical Summary by PCB

PCB=179

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	8.00	8.00	8.00	16.0	8.00	11.0	8.00	11.0	8.00
Number of laboratories	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00
True concentration (pg/L)	32.0	63.9	240	480	959	1918	2238	4156	4795
Mean recovery (pg/L)	34.8	63.0	222	461	919	1895	2156	3969	4877
Percent recovery (%)	109	98.5	92.7	96.1	95.9	98.8	96.3	95.5	102
Overall standard deviation (pg/L)	6.03	9.35	34.4	61.6	161	282	324	666	668
Overall relative standard deviation (%)	17.3	14.8	15.5	13.4	17.5	14.9	15.0	16.8	13.7

Statistic	Low	Mid	High
Number of usable pairs	8.00	8.00	8.00
Single-operator standard deviation (pg/L)	23.31	123.54	270.37

PCB=180/193

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	7.00	8.00	8.00	16.0	8.00	11.0	8.00	11.0	7.00
Number of laboratories	7.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	7.00
True concentration (pg/L)	56.9	114	427	854	1708	3417	3986	7403	8541
Mean recovery (pg/L)	55.7	104	345	729	1366	2813	3337	6224	7096
Percent recovery (%)	97.8	91.1	80.8	85.3	80.0	82.3	83.7	84.1	83.1
Overall standard deviation (pg/L)	16.1	11.3	55.3	97.5	228	390	592	841	728
Overall relative standard deviation (%)	28.8	10.9	16.0	13.4	16.7	13.9	17.8	13.5	10.3

Statistic	Low	Mid	High
Number of usable pairs	8.00	8.00	7.00
Single-operator standard deviation (pg/L)	42.58	245.39	378.42

Appendix C. ASTM D2777-03 Final Reagent Water Statistical Summary by PCB

PCB=181

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	7.00	7.00	7.00	14.0	7.00	10.0	7.00	10.0	7.00
Number of laboratories	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00
True concentration (pg/L)	24.0	48.0	180	360	719	1439	1678	3117	3596
Mean recovery (pg/L)	16.6	34.5	122	262	498	1056	1237	2309	2671
Percent recovery (%)	69.1	71.9	67.9	72.7	69.2	73.4	73.7	74.1	74.3
Overall standard deviation (pg/L)	3.03	4.53	18.3	34.5	69.6	154	229	438	397
Overall relative standard deviation (%)	18.3	13.1	15.0	13.2	14.0	14.6	18.5	19.0	14.9

Statistic	Low	Mid	High
Number of usable pairs	7.00	7.00	7.00
Single-operator standard deviation (pg/L)	15.70	103.78	166.52

PCB=182

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	7.00	7.00	7.00	14.0	7.00	10.0	7.00	10.0	7.00
Number of laboratories	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00
True concentration (pg/L)	27.0	53.9	202	405	809	1618	1888	3506	4046
Mean recovery (pg/L)	20.9	40.3	146	316	586	1265	1414	2765	3193
Percent recovery (%)	77.4	74.8	72.0	78.1	72.4	78.1	74.9	78.9	78.9
Overall standard deviation (pg/L)	4.52	6.56	14.8	48.0	87.0	196	250	482	497
Overall relative standard deviation (%)	21.7	16.3	10.2	15.2	14.8	15.5	17.7	17.4	15.6

Statistic	Low	Mid	High
Number of usable pairs	7.00	7.00	7.00
Single-operator standard deviation (pg/L)	14.69	163.69	239.65

Appendix C. ASTM D2777-03 Final Reagent Water Statistical Summary by PCB

PCB=182/187

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	1.00	1.00	1.00	2.00	1.00	1.00	1.00	1.00	1.00
Number of laboratories	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
True concentration (pg/L)	58.9	118	442	884	1768	3536	4126	7662	8841
Mean recovery (pg/L)	265	255	469	1238	3124	3719	7943	7815	17E3
Percent recovery (%)	449	216	106	140	177	105	193	102	190
Overall standard deviation (pg/L)	.	.	.	.	.	.	.	.	.
Overall relative standard deviation (%)	.	.	.	.	.	.	.	.	.

Statistic	Low	Mid	High
Number of usable pairs	1.00	1.00	1.00
Single-operator standard deviation (pg/L)	.	.	.

PCB=183

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	2.00	2.00	2.00	4.00	2.00	4.00	2.00	4.00	2.00
Number of laboratories	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
True concentration (pg/L)	25.0	50.0	187	375	749	1499	1748	3247	3746
Mean recovery (pg/L)	29.6	35.5	128	238	473	909	1099	1995	2345
Percent recovery (%)	118	71.1	68.3	63.4	63.1	60.6	62.9	61.4	62.6
Overall standard deviation (pg/L)	20.9	1.56	7.07	11.1	4.24	66.6	199	351	148
Overall relative standard deviation (%)	70.6	4.38	5.52	4.67	0.90	7.33	18.1	17.6	6.33

Statistic	Low	Mid	High
Number of usable pairs	2.00	2.00	2.00
Single-operator standard deviation (pg/L)	10.00	114.60	115.47

Appendix C. ASTM D2777-03 Final Reagent Water Statistical Summary by PCB

PCB=183/185

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	4.00	4.00	4.00	8.00	4.00	5.00	4.00	5.00	4.00
Number of laboratories	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
True concentration (pg/L)	48.0	95.9	360	719	1439	2877	3357	6234	7193
Mean recovery (pg/L)	36.6	74.4	257	591	1081	2283	2713	4913	5893
Percent recovery (%)	76.4	77.6	71.3	82.2	75.2	79.3	80.8	78.8	81.9
Overall standard deviation (pg/L)	5.58	3.89	37.7	81.0	106	127	375	770	675
Overall relative standard deviation (%)	15.2	5.22	14.7	13.7	9.83	5.58	13.8	15.7	11.5

Statistic	Low	Mid	High
Number of usable pairs	4.00	4.00	4.00
Single-operator standard deviation (pg/L)	73.07	185.90	302.00

PCB=184

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	7.00	7.00	8.00	16.0	8.00	11.0	8.00	11.0	8.00
Number of laboratories	7.00	7.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00
True concentration (pg/L)	27.0	53.9	202	405	809	1618	1888	3506	4046
Mean recovery (pg/L)	18.5	33.9	125	275	542	1161	1277	2462	2909
Percent recovery (%)	68.7	62.8	61.8	67.9	66.9	71.7	67.6	70.2	71.9
Overall standard deviation (pg/L)	2.67	5.15	22.8	40.7	106	238	236	510	556
Overall relative standard deviation (%)	14.4	15.2	18.2	14.8	19.5	20.5	18.5	20.7	19.1

Statistic	Low	Mid	High
Number of usable pairs	8.00	8.00	8.00
Single-operator standard deviation (pg/L)	12.25	128.23	180.53

Appendix C. ASTM D2777-03 Final Reagent Water Statistical Summary by PCB

PCB=185

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	1.00	2.00	2.00	4.00	2.00	4.00	2.00	4.00	2.00
Number of laboratories	1.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
True concentration (pg/L)	23.0	46.0	172	345	689	1379	1608	2987	3447
Mean recovery (pg/L)	21.8	30.4	115	216	453	970	1027	2183	2435
Percent recovery (%)	94.9	66.0	66.7	62.6	65.7	70.4	63.8	73.1	70.7
Overall standard deviation (pg/L)	.	0.92	33.9	30.8	129	290	231	448	643
Overall relative standard deviation (%)	.	3.03	29.5	14.3	28.4	29.9	22.5	20.5	26.4

Statistic	Low	Mid	High
Number of usable pairs	2.00	2.00	2.00
Single-operator standard deviation (pg/L)	2.50	47.63	170.32

PCB=186

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	6.00	8.00	8.00	16.0	8.00	11.0	8.00	11.0	8.00
Number of laboratories	6.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00
True concentration (pg/L)	29.0	57.9	217	435	869	1738	2028	3766	4346
Mean recovery (pg/L)	27.6	50.4	196	411	829	1716	1948	3615	4392
Percent recovery (%)	95.4	87.0	90.2	94.5	95.4	98.7	96.0	96.0	101
Overall standard deviation (pg/L)	6.25	9.38	48.3	96.1	255	500	504	1005	1261
Overall relative standard deviation (%)	22.6	18.6	24.6	23.4	30.8	29.1	25.9	27.8	28.7

Statistic	Low	Mid	High
Number of usable pairs	8.00	8.00	8.00
Single-operator standard deviation (pg/L)	29.50	124.86	335.56

Appendix C. ASTM D2777-03 Final Reagent Water Statistical Summary by PCB

PCB=187

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	5.00	7.00	7.00	14.0	7.00	10.0	7.00	10.0	7.00
Number of laboratories	5.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00
True concentration (pg/L)	32.0	63.9	240	480	959	1918	2238	4156	4795
Mean recovery (pg/L)	31.9	57.6	194	403	756	1612	1830	3496	4126
Percent recovery (%)	99.8	90.1	81.0	84.0	78.8	84.0	81.8	84.1	86.0
Overall standard deviation (pg/L)	7.73	6.58	31.3	55.3	107	267	247	575	671
Overall relative standard deviation (%)	24.2	11.4	16.1	13.7	14.1	16.6	13.5	16.5	16.3

Statistic	Low	Mid	High
Number of usable pairs	7.00	7.00	7.00
Single-operator standard deviation (pg/L)	26.51	152.07	341.44

PCB=188

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	5.00	8.00	7.00	15.0	7.00	10.0	8.00	10.0	7.00
Number of laboratories	5.00	8.00	7.00	8.00	7.00	7.00	8.00	7.00	7.00
True concentration (pg/L)	26.0	51.9	195	390	779	1558	1818	3377	3896
Mean recovery (pg/L)	18.4	37.3	136	297	562	1221	1394	2596	3053
Percent recovery (%)	70.9	71.8	69.6	76.3	72.1	78.4	76.7	76.9	78.4
Overall standard deviation (pg/L)	4.38	6.62	19.9	24.4	111	151	223	405	357
Overall relative standard deviation (%)	23.8	17.7	14.7	8.21	19.7	12.3	16.0	15.6	11.7

Statistic	Low	Mid	High
Number of usable pairs	7.00	7.00	7.00
Single-operator standard deviation (pg/L)	12.18	124.12	116.38

Appendix C. ASTM D2777-03 Final Reagent Water Statistical Summary by PCB

PCB=189

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	7.00	7.00	8.00	16.0	8.00	11.0	8.00	11.0	8.00
Number of laboratories	7.00	7.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00
True concentration (pg/L)	23.0	46.0	172	345	689	1379	1608	2987	3447
Mean recovery (pg/L)	19.2	36.2	131	277	539	1146	1320	2533	2934
Percent recovery (%)	83.6	78.9	75.9	80.4	78.2	83.1	82.1	84.8	85.1
Overall standard deviation (pg/L)	2.67	4.51	11.8	33.6	83.9	132	207	358	290
Overall relative standard deviation (%)	13.9	12.5	9.05	12.1	15.6	11.5	15.7	14.1	9.87

Statistic	Low	Mid	High
Number of usable pairs	8.00	8.00	8.00
Single-operator standard deviation (pg/L)	17.23	85.42	137.31

PCB=190

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	7.00	8.00	8.00	16.0	7.00	11.0	8.00	11.0	7.00
Number of laboratories	7.00	8.00	8.00	8.00	7.00	8.00	8.00	8.00	7.00
True concentration (pg/L)	22.0	44.0	165	330	659	1319	1538	2857	3297
Mean recovery (pg/L)	19.9	37.0	131	287	564	1108	1327	2518	2981
Percent recovery (%)	90.7	84.2	79.6	86.9	85.5	84.0	86.2	88.1	90.4
Overall standard deviation (pg/L)	2.59	6.57	28.3	52.5	114	199	284	452	462
Overall relative standard deviation (%)	13.0	17.8	21.5	18.3	20.3	18.0	21.4	18.0	15.5

Statistic	Low	Mid	High
Number of usable pairs	8.00	8.00	7.00
Single-operator standard deviation (pg/L)	16.83	103.90	133.62

Appendix C. ASTM D2777-03 Final Reagent Water Statistical Summary by PCB

PCB=191

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	8.00	7.00	8.00	16.0	8.00	11.0	8.00	11.0	8.00
Number of laboratories	8.00	7.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00
True concentration (pg/L)	22.0	44.0	165	330	659	1319	1538	2857	3297
Mean recovery (pg/L)	18.4	37.0	129	282	537	1100	1314	2463	2829
Percent recovery (%)	83.8	84.1	78.1	85.5	81.5	83.4	85.4	86.2	85.8
Overall standard deviation (pg/L)	2.35	5.10	21.6	42.2	94.4	165	253	436	432
Overall relative standard deviation (%)	12.8	13.8	16.8	15.0	17.6	15.0	19.2	17.7	15.3

Statistic	Low	Mid	High
Number of usable pairs	8.00	8.00	8.00
Single-operator standard deviation (pg/L)	15.62	102.29	161.61

PCB=192

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	7.00	7.00	8.00	16.0	8.00	11.0	8.00	11.0	7.00
Number of laboratories	7.00	7.00	8.00	8.00	8.00	8.00	8.00	8.00	7.00
True concentration (pg/L)	29.0	57.9	217	435	869	1738	2028	3766	4346
Mean recovery (pg/L)	22.6	44.2	158	347	666	1391	1653	3096	3514
Percent recovery (%)	77.9	76.3	72.9	79.9	76.6	80.0	81.5	82.2	80.9
Overall standard deviation (pg/L)	5.48	6.20	23.7	53.2	127	224	356	616	602
Overall relative standard deviation (%)	24.3	14.0	15.0	15.3	19.1	16.1	21.5	19.9	17.1

Statistic	Low	Mid	High
Number of usable pairs	8.00	8.00	7.00
Single-operator standard deviation (pg/L)	24.11	137.02	220.95

Appendix C. ASTM D2777-03 Final Reagent Water Statistical Summary by PCB

PCB=194

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	8.00	8.00	8.00	16.0	8.00	11.0	8.00	11.0	8.00
Number of laboratories	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00
True concentration (pg/L)	32.0	63.9	240	480	959	1918	2238	4156	4795
Mean recovery (pg/L)	36.4	58.3	193	404	791	1605	1840	3580	4113
Percent recovery (%)	114	91.1	80.6	84.3	82.5	83.7	82.2	86.1	85.8
Overall standard deviation (pg/L)	14.2	11.8	40.7	74.9	147	335	395	620	705
Overall relative standard deviation (%)	38.9	20.2	21.1	18.5	18.5	20.9	21.5	17.3	17.1

Statistic	Low	Mid	High
Number of usable pairs	8.00	8.00	8.00
Single-operator standard deviation (pg/L)	28.98	143.13	263.48

PCB=195

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	6.00	8.00	8.00	16.0	8.00	11.0	8.00	11.0	8.00
Number of laboratories	6.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00
True concentration (pg/L)	32.0	63.9	240	480	959	1918	2238	4156	4795
Mean recovery (pg/L)	26.9	49.4	179	386	760	1545	1799	3473	4047
Percent recovery (%)	84.1	77.3	74.6	80.5	79.3	80.5	80.4	83.6	84.4
Overall standard deviation (pg/L)	8.77	11.6	48.8	84.1	168	392	429	629	803
Overall relative standard deviation (%)	32.6	23.5	27.3	21.8	22.1	25.4	23.9	18.1	19.8

Statistic	Low	Mid	High
Number of usable pairs	8.00	8.00	8.00
Single-operator standard deviation (pg/L)	18.38	185.40	326.67

Appendix C. ASTM D2777-03 Final Reagent Water Statistical Summary by PCB

PCB=196

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	6.00	7.00	7.00	14.0	7.00	10.0	7.00	10.0	7.00
Number of laboratories	6.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00
True concentration (pg/L)	25.0	50.0	187	375	749	1499	1748	3247	3746
Mean recovery (pg/L)	20.3	39.3	133	289	536	1149	1289	2655	2970
Percent recovery (%)	81.1	78.7	70.9	77.0	71.6	76.7	73.7	81.8	79.3
Overall standard deviation (pg/L)	4.52	5.89	27.7	44.7	94.1	190	292	416	499
Overall relative standard deviation (%)	22.3	15.0	20.9	15.5	17.6	16.5	22.7	15.7	16.8

Statistic	Low	Mid	High
Number of usable pairs	7.00	7.00	7.00
Single-operator standard deviation (pg/L)	23.06	137.48	270.21

PCB=196/203

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	1.00	1.00	1.00	2.00	1.00	1.00	1.00	1.00	1.00
Number of laboratories	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
True concentration (pg/L)	56.9	114	427	854	1708	3417	3986	7403	8541
Mean recovery (pg/L)	225	152	320	1045	2180	4064	5408	8621	11E3
Percent recovery (%)	395	134	74.9	122	128	119	136	116	129
Overall standard deviation (pg/L)	.	.	.	.	.	.	.	.	.
Overall relative standard deviation (%)	.	.	.	.	.	.	.	.	.

Statistic	Low	Mid	High
Number of usable pairs	1.00	1.00	1.00
Single-operator standard deviation (pg/L)	.	.	.

Appendix C. ASTM D2777-03 Final Reagent Water Statistical Summary by PCB

PCB=197

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	1.00	3.00	3.00	6.00	3.00	5.00	3.00	5.00	3.00
Number of laboratories	1.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
True concentration (pg/L)	25.0	50.0	187	375	749	1499	1748	3247	3746
Mean recovery (pg/L)	8.70	27.8	96.1	189	417	839	1015	2067	2167
Percent recovery (%)	34.8	55.7	51.3	50.5	55.7	56.0	58.1	63.7	57.8
Overall standard deviation (pg/L)	.	3.36	25.9	37.1	66.4	150	166	449	312
Overall relative standard deviation (%)	.	12.1	27.0	19.6	15.9	17.9	16.4	21.7	14.4

Statistic	Low	Mid	High
Number of usable pairs	3.00	3.00	3.00
Single-operator standard deviation (pg/L)	17.85	135.56	90.75

PCB=197/200

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	4.00	5.00	5.00	10.0	5.00	6.00	5.00	6.00	5.00
Number of laboratories	4.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
True concentration (pg/L)	52.9	106	397	794	1588	3177	3706	6883	7942
Mean recovery (pg/L)	41.2	73.0	267	598	1146	2470	2738	5165	6399
Percent recovery (%)	77.8	68.9	67.1	75.3	72.1	77.8	73.9	75.0	80.6
Overall standard deviation (pg/L)	12.2	11.9	33.4	67.9	200	361	562	486	906
Overall relative standard deviation (%)	29.7	16.4	12.5	11.4	17.4	14.6	20.5	9.40	14.2

Statistic	Low	Mid	High
Number of usable pairs	5.00	5.00	5.00
Single-operator standard deviation (pg/L)	56.78	297.17	399.89

Appendix C. ASTM D2777-03 Final Reagent Water Statistical Summary by PCB

PCB=198/199

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	7.00	8.00	8.00	16.0	8.00	11.0	8.00	11.0	8.00
Number of laboratories	7.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00
True concentration (pg/L)	60.9	122	457	914	1828	3656	4266	7922	9141
Mean recovery (pg/L)	64.0	100	347	738	1421	2962	3443	6705	7615
Percent recovery (%)	105	82.0	76.0	80.7	77.7	81.0	80.7	84.6	83.3
Overall standard deviation (pg/L)	33.4	10.8	46.2	99.8	203	459	664	1062	1197
Overall relative standard deviation (%)	52.3	10.8	13.3	13.5	14.3	15.5	19.3	15.8	15.7

Statistic	Low	Mid	High
Number of usable pairs	8.00	8.00	8.00
Single-operator standard deviation (pg/L)	44.28	320.96	563.68

PCB=200

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	3.00	3.00	3.00	6.00	3.00	5.00	3.00	5.00	3.00
Number of laboratories	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
True concentration (pg/L)	28.0	55.9	210	420	839	1678	1958	3636	4196
Mean recovery (pg/L)	26.5	47.3	163	341	673	1392	1770	3253	3493
Percent recovery (%)	94.7	84.5	77.7	81.4	80.2	82.9	90.4	89.5	83.3
Overall standard deviation (pg/L)	3.59	12.5	30.1	79.9	140	387	571	931	1086
Overall relative standard deviation (%)	13.6	26.3	18.5	23.4	20.8	27.8	32.3	28.6	31.1

Statistic	Low	Mid	High
Number of usable pairs	3.00	3.00	3.00
Single-operator standard deviation (pg/L)	52.79	152.23	190.34

Appendix C. ASTM D2777-03 Final Reagent Water Statistical Summary by PCB

PCB=201

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	8.00	8.00	8.00	16.0	8.00	11.0	8.00	11.0	8.00
Number of laboratories	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00
True concentration (pg/L)	28.0	55.9	210	420	839	1678	1958	3636	4196
Mean recovery (pg/L)	23.0	39.3	143	308	621	1286	1474	2792	3302
Percent recovery (%)	82.1	70.3	68.2	73.4	74.0	76.6	75.3	76.8	78.7
Overall standard deviation (pg/L)	9.69	6.47	34.9	66.1	174	316	382	595	844
Overall relative standard deviation (%)	42.2	16.5	24.4	21.5	28.1	24.5	25.9	21.3	25.6

Statistic	Low	Mid	High
Number of usable pairs	8.00	8.00	8.00
Single-operator standard deviation (pg/L)	20.63	152.70	279.14

PCB=202

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	6.00	8.00	7.00	15.0	7.00	11.0	8.00	10.0	8.00
Number of laboratories	6.00	8.00	7.00	8.00	7.00	8.00	8.00	7.00	8.00
True concentration (pg/L)	28.0	55.9	210	420	839	1678	1958	3636	4196
Mean recovery (pg/L)	19.6	38.8	137	292	586	1205	1382	2664	3041
Percent recovery (%)	69.9	69.4	65.3	69.5	69.8	71.8	70.6	73.3	72.5
Overall standard deviation (pg/L)	3.77	4.97	23.3	37.5	91.3	182	211	335	359
Overall relative standard deviation (%)	19.3	12.8	17.0	12.9	15.6	15.1	15.3	12.6	11.8

Statistic	Low	Mid	High
Number of usable pairs	7.00	8.00	7.00
Single-operator standard deviation (pg/L)	16.98	105.87	86.11

Appendix C. ASTM D2777-03 Final Reagent Water Statistical Summary by PCB

PCB=203

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	6.00	7.00	7.00	14.0	7.00	10.0	7.00	10.0	7.00
Number of laboratories	6.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00
True concentration (pg/L)	32.0	63.9	240	480	959	1918	2238	4156	4795
Mean recovery (pg/L)	26.8	51.8	170	375	719	1528	1734	3506	3916
Percent recovery (%)	83.7	81.1	70.7	78.2	75.0	79.7	77.5	84.4	81.7
Overall standard deviation (pg/L)	5.13	7.12	24.9	58.3	118	286	429	601	745
Overall relative standard deviation (%)	19.2	13.7	14.7	15.5	16.4	18.7	24.7	17.1	19.0

Statistic	Low	Mid	High
Number of usable pairs	7.00	7.00	7.00
Single-operator standard deviation (pg/L)	31.47	220.55	344.19

PCB=204

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	6.00	8.00	8.00	16.0	8.00	11.0	8.00	11.0	8.00
Number of laboratories	6.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00
True concentration (pg/L)	27.0	53.9	202	405	809	1618	1888	3506	4046
Mean recovery (pg/L)	17.5	33.4	118	266	532	1097	1226	2456	2830
Percent recovery (%)	64.8	61.8	58.2	65.8	65.8	67.8	64.9	70.0	69.9
Overall standard deviation (pg/L)	3.84	6.71	25.5	57.0	170	260	316	541	697
Overall relative standard deviation (%)	22.0	20.1	21.7	21.4	31.9	23.7	25.8	22.0	24.6

Statistic	Low	Mid	High
Number of usable pairs	8.00	8.00	8.00
Single-operator standard deviation (pg/L)	27.76	161.01	228.25

Appendix C. ASTM D2777-03 Final Reagent Water Statistical Summary by PCB

PCB=205

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	7.00	6.00	8.00	16.0	8.00	11.0	8.00	11.0	8.00
Number of laboratories	7.00	6.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00
True concentration (pg/L)	25.0	50.0	187	375	749	1499	1748	3247	3746
Mean recovery (pg/L)	20.8	39.1	142	298	610	1235	1419	2688	3197
Percent recovery (%)	83.5	78.3	75.9	79.6	81.4	82.4	81.2	82.8	85.3
Overall standard deviation (pg/L)	2.99	7.22	21.5	35.8	87.0	155	235	346	324
Overall relative standard deviation (%)	14.3	18.5	15.1	12.0	14.3	12.5	16.5	12.9	10.1

Statistic	Low	Mid	High
Number of usable pairs	8.00	8.00	8.00
Single-operator standard deviation (pg/L)	19.23	77.15	118.40

PCB=206

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	7.00	8.00	8.00	16.0	8.00	11.0	8.00	11.0	8.00
Number of laboratories	7.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00
True concentration (pg/L)	32.0	63.9	240	480	959	1918	2238	4156	4795
Mean recovery (pg/L)	37.6	53.7	177	377	753	1529	1720	3373	3915
Percent recovery (%)	118	84.0	73.8	78.5	78.5	79.7	76.9	81.2	81.7
Overall standard deviation (pg/L)	22.7	5.63	34.5	64.0	123	279	324	508	783
Overall relative standard deviation (%)	60.4	10.5	19.5	17.0	16.3	18.2	18.8	15.1	20.0

Statistic	Low	Mid	High
Number of usable pairs	8.00	8.00	8.00
Single-operator standard deviation (pg/L)	29.81	101.77	328.92

Appendix C. ASTM D2777-03 Final Reagent Water Statistical Summary by PCB

PCB=207

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	7.00	8.00	8.00	16.0	8.00	11.0	8.00	11.0	8.00
Number of laboratories	7.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00
True concentration (pg/L)	22.0	44.0	165	330	659	1319	1538	2857	3297
Mean recovery (pg/L)	16.4	27.9	98.0	220	434	918	1019	2078	2445
Percent recovery (%)	74.5	63.4	59.4	66.8	65.8	69.6	66.3	72.7	74.2
Overall standard deviation (pg/L)	4.03	6.02	21.1	39.3	85.6	183	225	357	529
Overall relative standard deviation (%)	24.6	21.6	21.5	17.9	19.7	20.0	22.1	17.2	21.6

Statistic	Low	Mid	High
Number of usable pairs	8.00	8.00	8.00
Single-operator standard deviation (pg/L)	25.13	103.10	337.34

PCB=208

Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	8.00	7.00	8.00	16.0	8.00	11.0	8.00	11.0	8.00
Number of laboratories	8.00	7.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00
True concentration (pg/L)	22.0	44.0	165	330	659	1319	1538	2857	3297
Mean recovery (pg/L)	16.7	29.3	97.6	216	425	877	995	1960	2312
Percent recovery (%)	75.9	66.6	59.2	65.7	64.5	66.5	64.6	68.6	70.1
Overall standard deviation (pg/L)	4.91	4.52	19.1	45.7	97.4	187	213	342	517
Overall relative standard deviation (%)	29.4	15.5	19.5	21.1	22.9	21.3	21.4	17.4	22.4

Statistic	Low	Mid	High
Number of usable pairs	8.00	8.00	8.00
Single-operator standard deviation (pg/L)	22.01	90.57	209.11

Appendix C. ASTM D2777-03 Final Reagent Water Statistical Summary by PCB

PCB=209

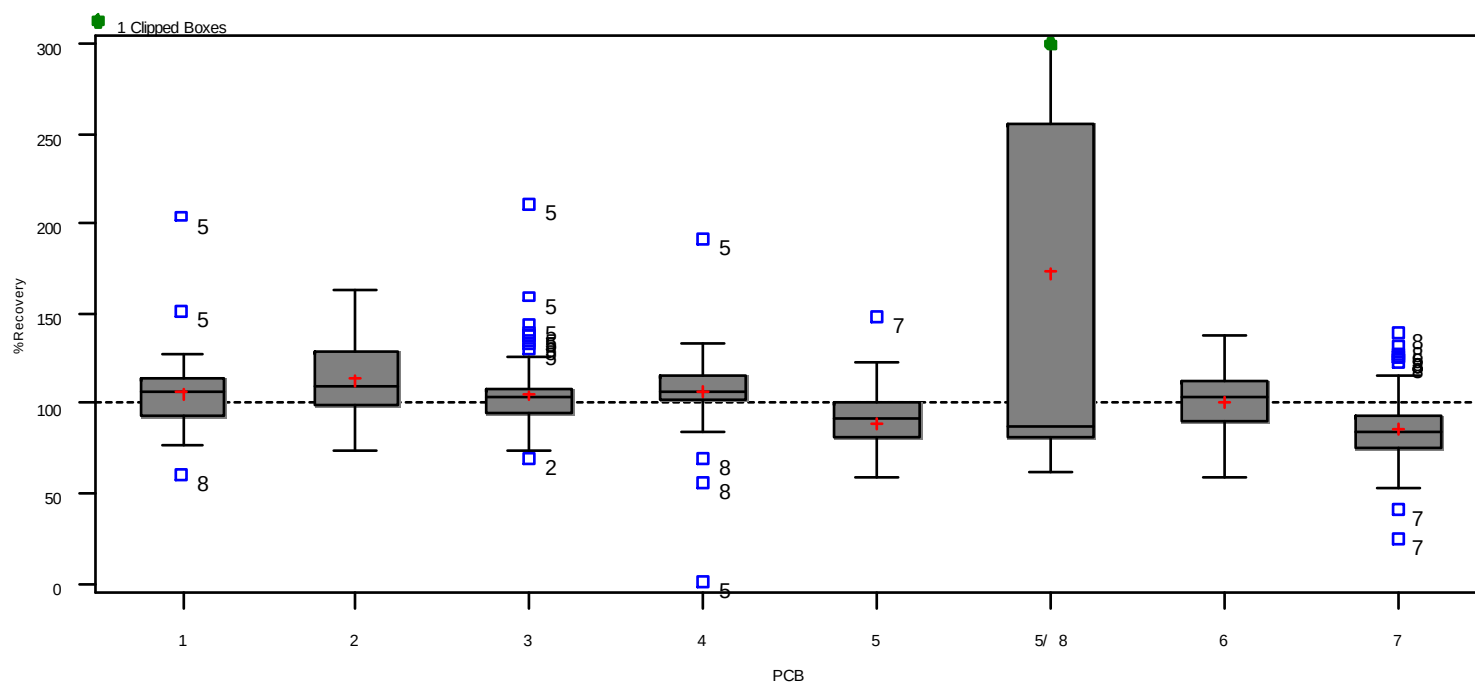
Statistic	RW-B	RW-C	RW-D	RW-E	RW-F	RW-G	RW-H	RW-I	RW-J
Number of usable values	8.00	7.00	8.00	16.0	8.00	11.0	8.00	11.0	8.00
Number of laboratories	8.00	7.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00
True concentration (pg/L)	22.0	44.0	165	330	659	1319	1538	2857	3297
Mean recovery (pg/L)	16.6	28.1	95.7	227	425	861	992	2077	2373
Percent recovery (%)	75.5	63.9	58.0	68.8	64.4	65.3	64.4	72.7	72.0
Overall standard deviation (pg/L)	4.64	4.97	24.2	81.4	114	255	263	436	839
Overall relative standard deviation (%)	28.0	17.7	25.3	35.9	26.9	29.6	26.5	21.0	35.3

Statistic	Low	Mid	High
Number of usable pairs	8.00	8.00	8.00
Single-operator standard deviation (pg/L)	54.86	72.26	344.99

D

**BOX PLOTS OF PCB PERCENT RECOVERY IN
REAGENT WATER ACROSS ALL LABORATORIES**

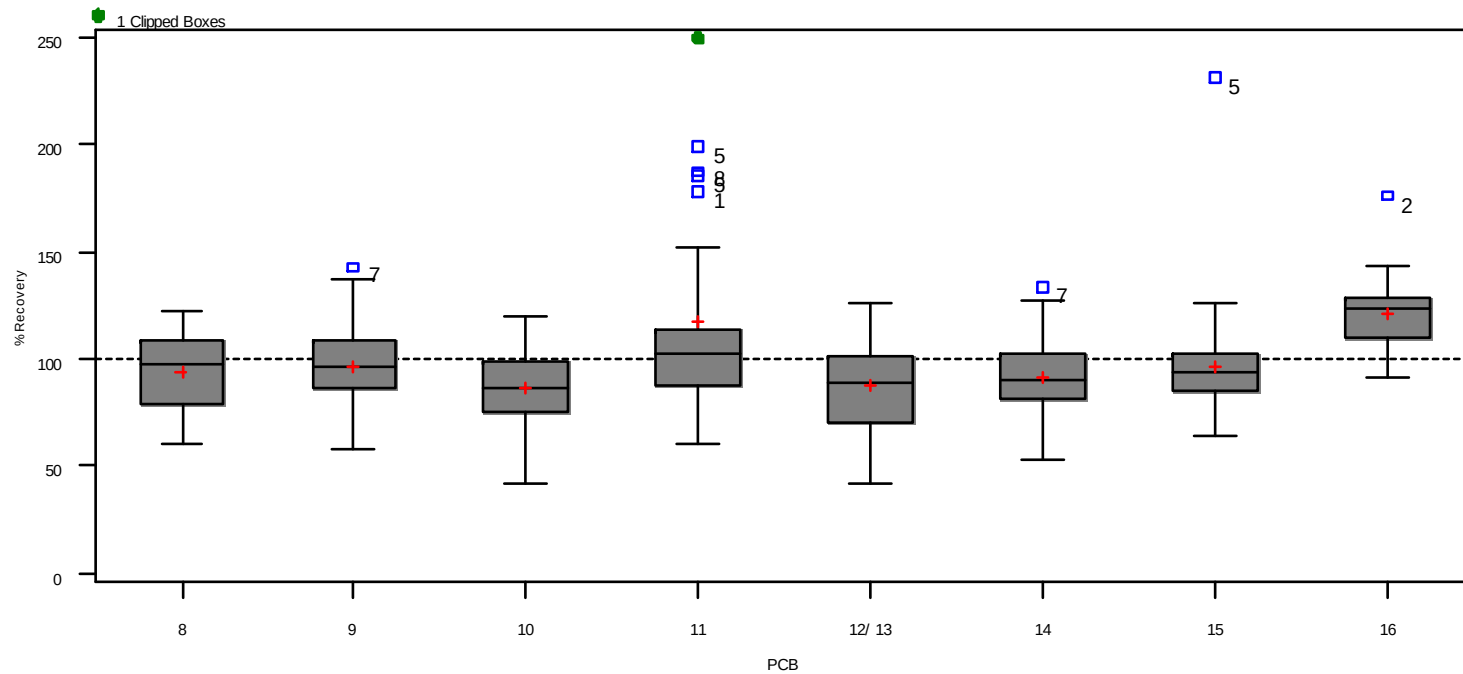
PCB Percent Recovery in Reagent Water Across All Laboratories



N	77	85	81	81	54	18	81	76
Min	60.16	73.41	69.44	1.31	59.49	61.98	59.23	25.20
Max	204.27	163.64	210.68	191.76	148.95	300.00	137.64	140.14

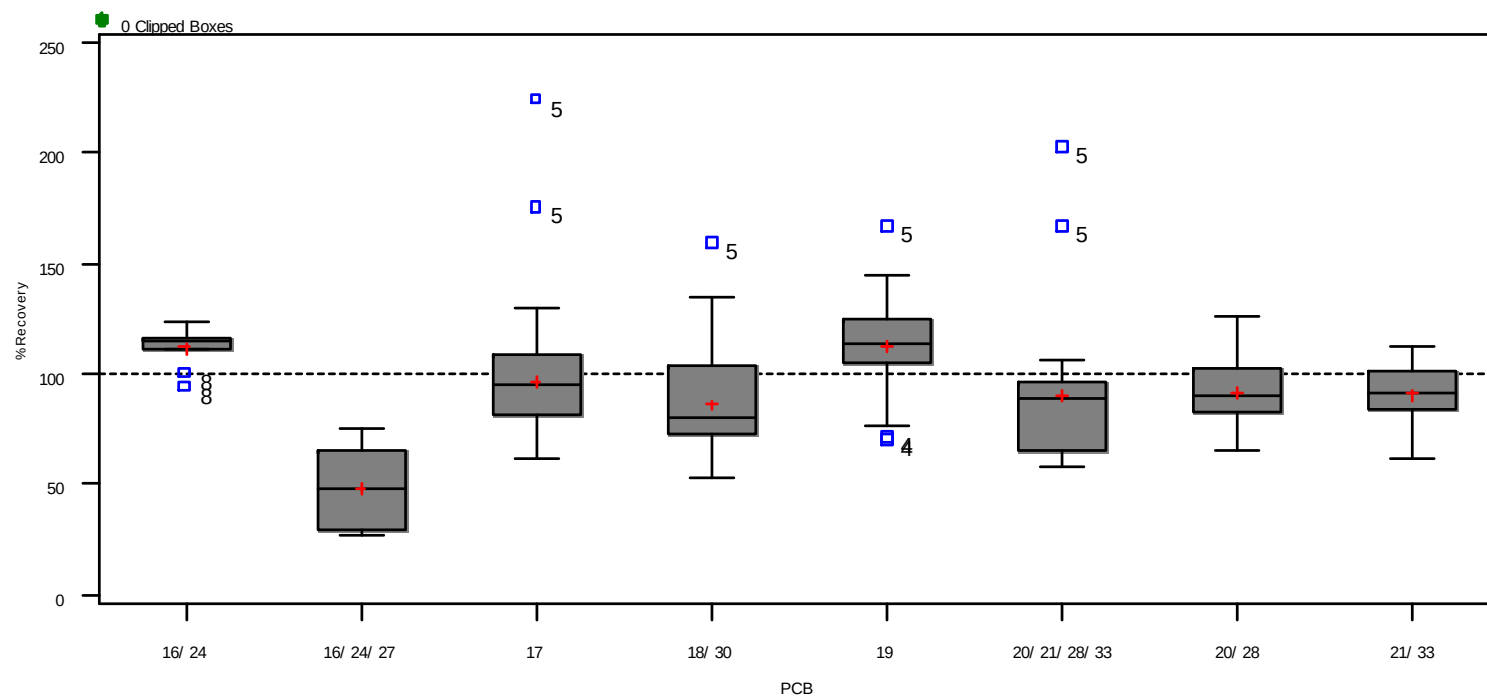
Red plus = mean; Blue square = extreme value (lab number); Gray box = mid 50% of data;

PCB Percent Recovery in Reagent Water Across All Laboratories



Red plus = mean; Blue square = extreme value (lab number); Gray box = mid 50% of data;

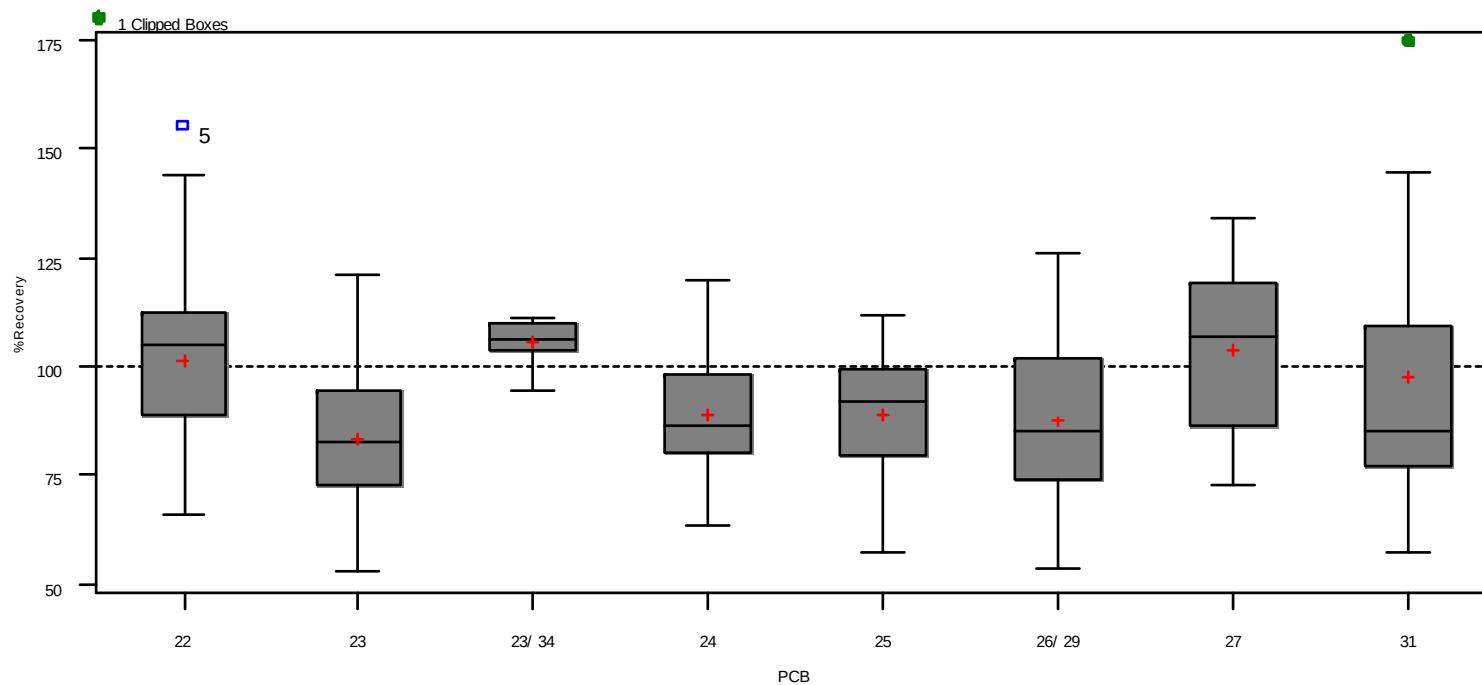
PCB Percent Recovery in Reagent Water Across All Laboratories



N	9	20	84	86	84	20	66	66
Min	94.56	26.72	61.80	52.77	70.07	58.14	64.76	61.34
Max	122.93	74.76	224.78	159.73	167.60	203.38	126.42	112.57

Red plus = mean; Blue square = extreme value (lab number); Gray box = mid 50% of data;

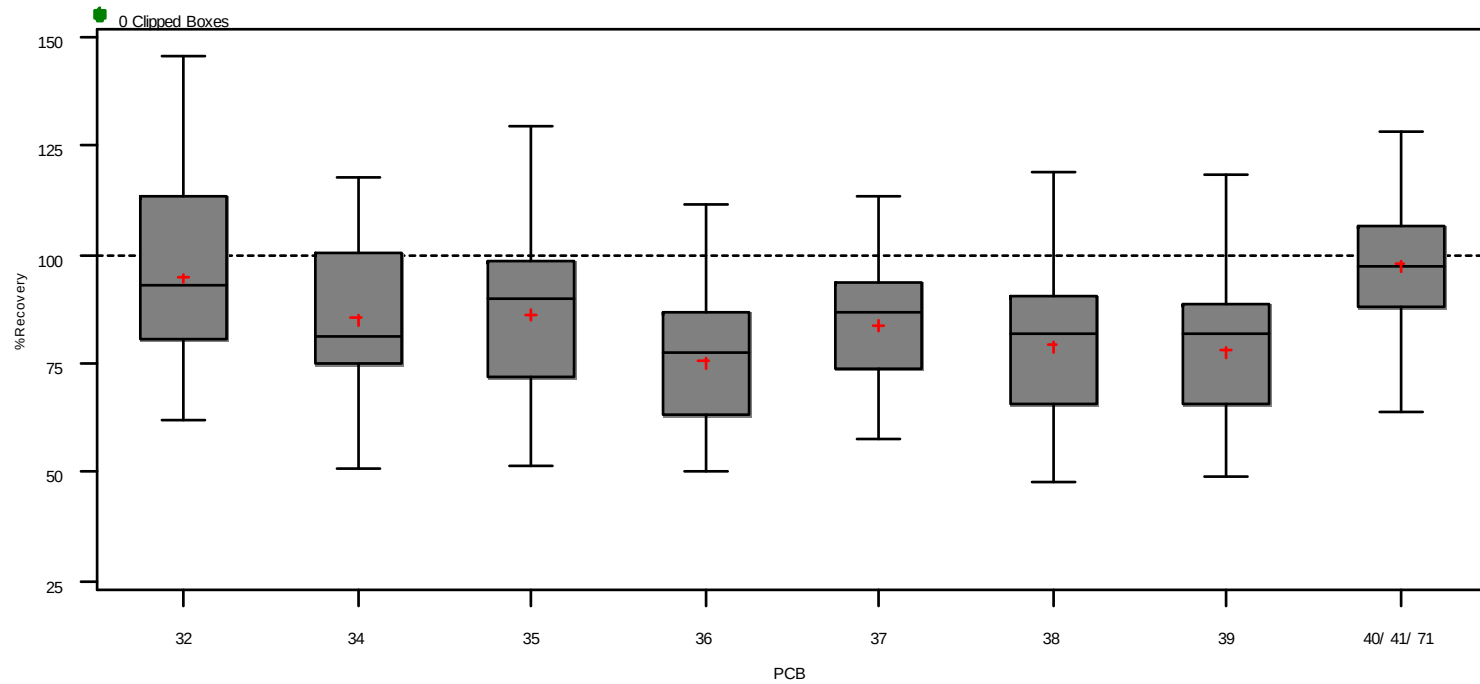
PCB Percent Recovery in Reagent Water Across All Laboratories



N	86	72	9	54	83	86	62	86
Min	65.69	52.87	94.39	63.53	57.14	53.67	72.80	57.20
Max	155.56	121.00	111.11	119.72	111.72	126.18	134.22	428.83

Red plus = mean; Blue square = extreme value (lab number); Gray box = mid 50% of data;

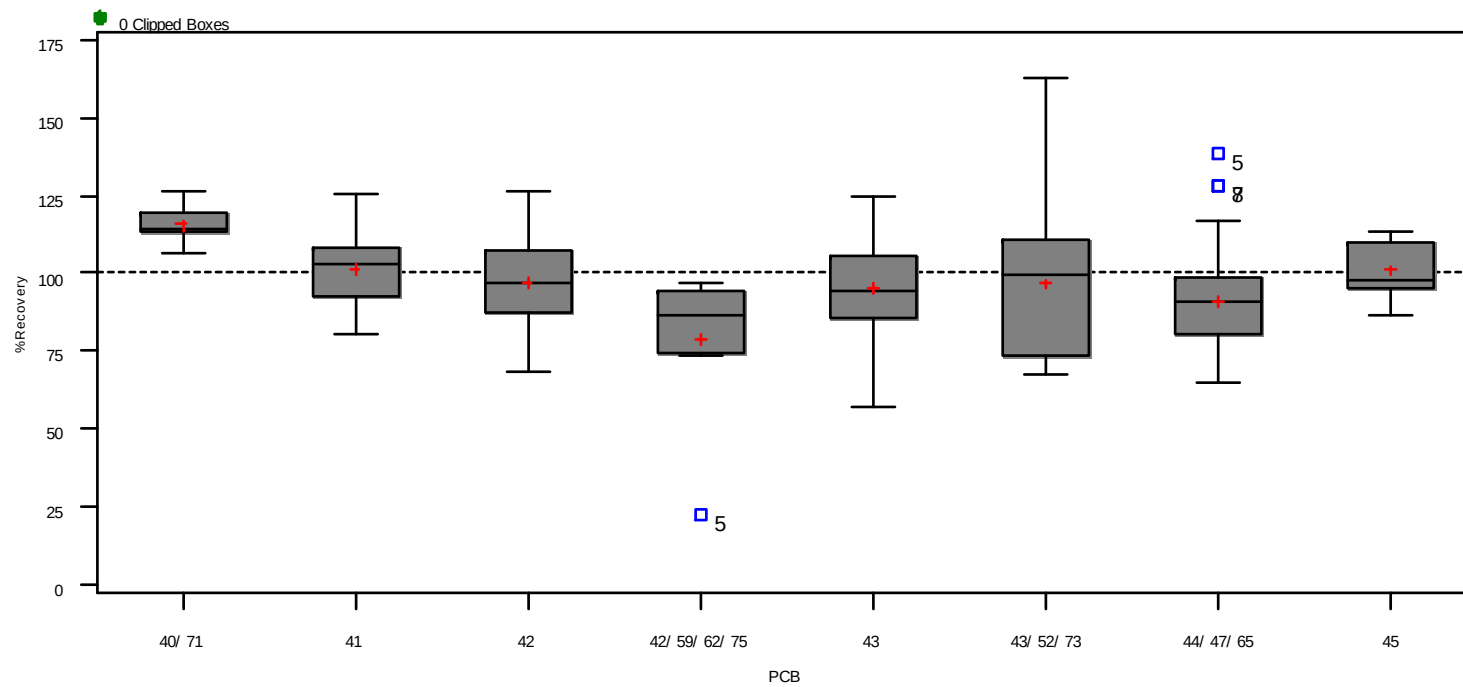
PCB Percent Recovery in Reagent Water Across All Laboratories



N	84	74	85	81	85	86	82	60
Min	62.20	50.50	51.12	50.05	57.77	47.94	48.61	63.58
Max	145.39	117.65	129.25	111.22	113.07	118.71	118.46	128.04

Red plus = mean; Blue square = extreme value (lab number); Gray box = mid 50% of data;

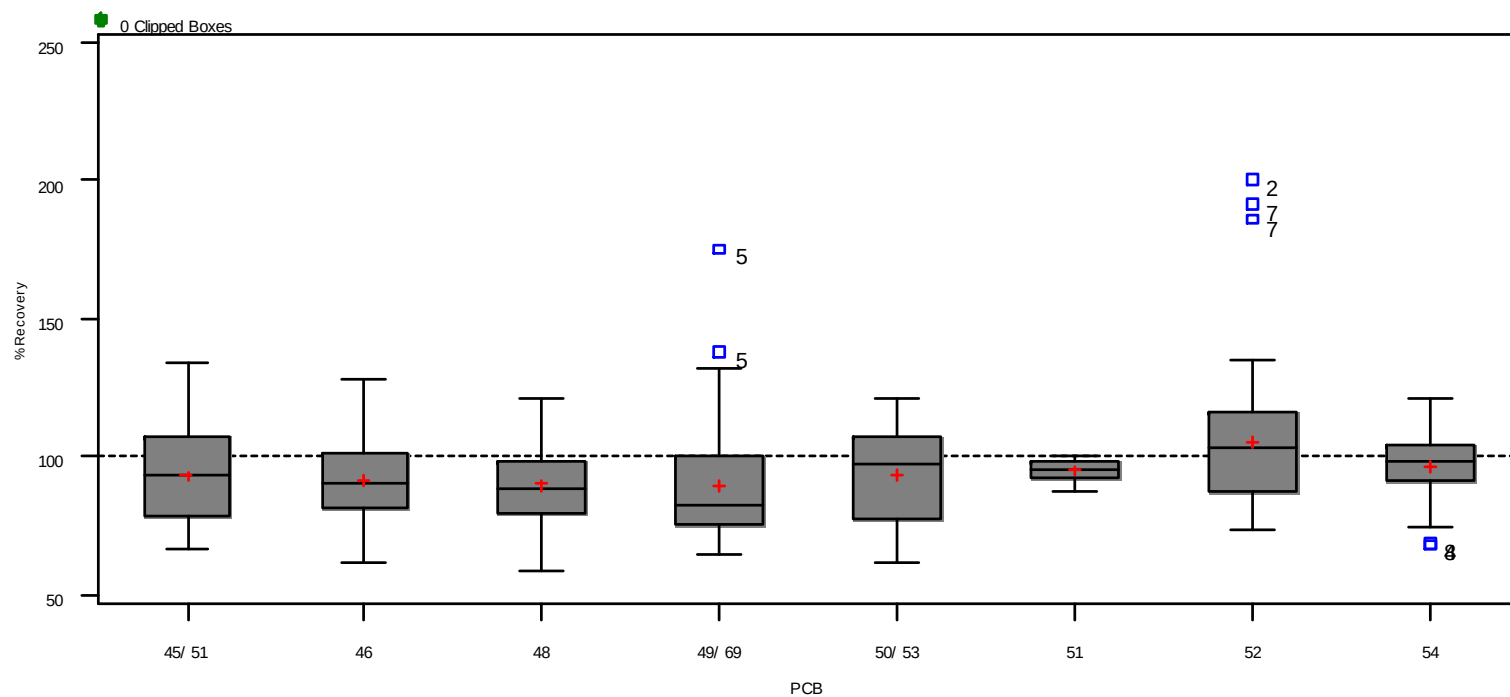
PCB Percent Recovery in Reagent Water Across All Laboratories



N	24	24	73	8	61	20	86	12
Min	105.97	80.35	67.95	22.09	57.30	67.32	64.34	86.09
Max	126.05	125.73	126.49	97.06	124.49	162.46	139.02	112.91

Red plus = mean; Blue square = extreme value (lab number); Gray box = mid 50% of data;

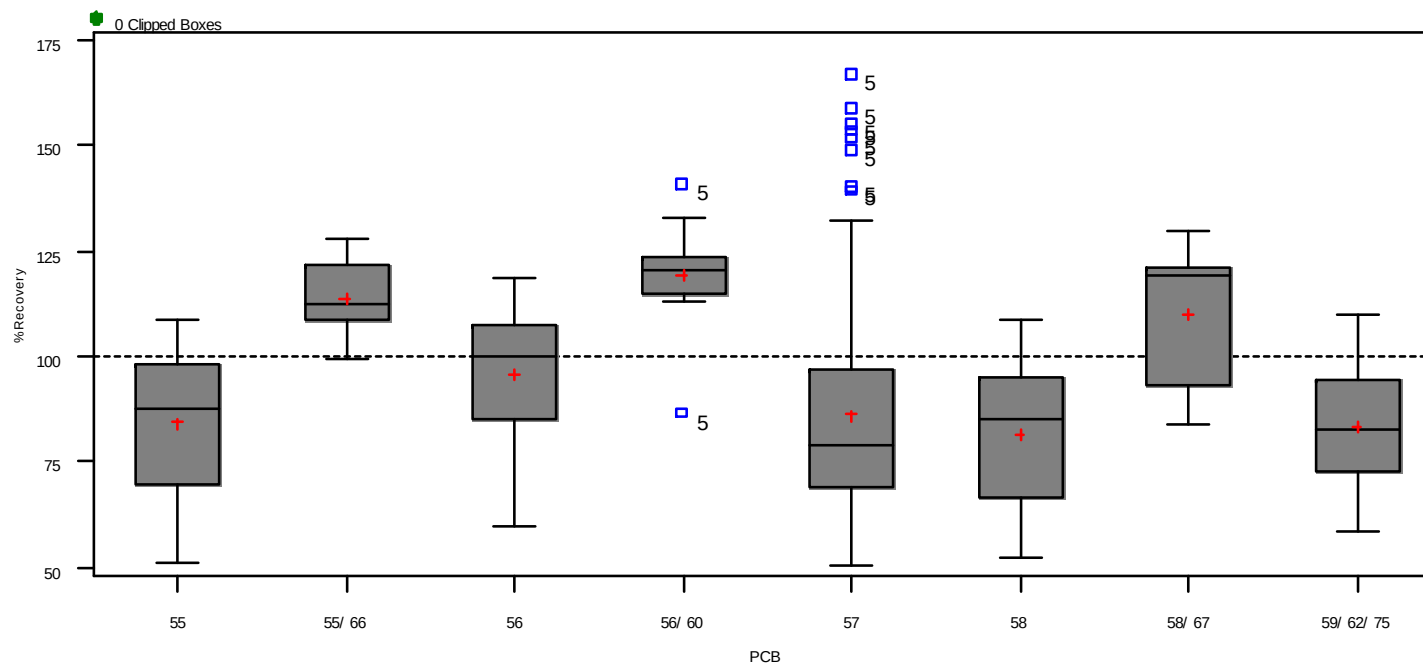
PCB Percent Recovery in Reagent Water Across All Laboratories



N	74	84	82	85	83	12	66	84
Min	66.10	61.44	58.19	64.36	61.73	87.41	73.76	68.16
Max	134.10	128.13	120.68	175.30	120.63	100.10	200.20	120.83

Red plus = mean; Blue square = extreme value (lab number); Gray box = mid 50% of data;

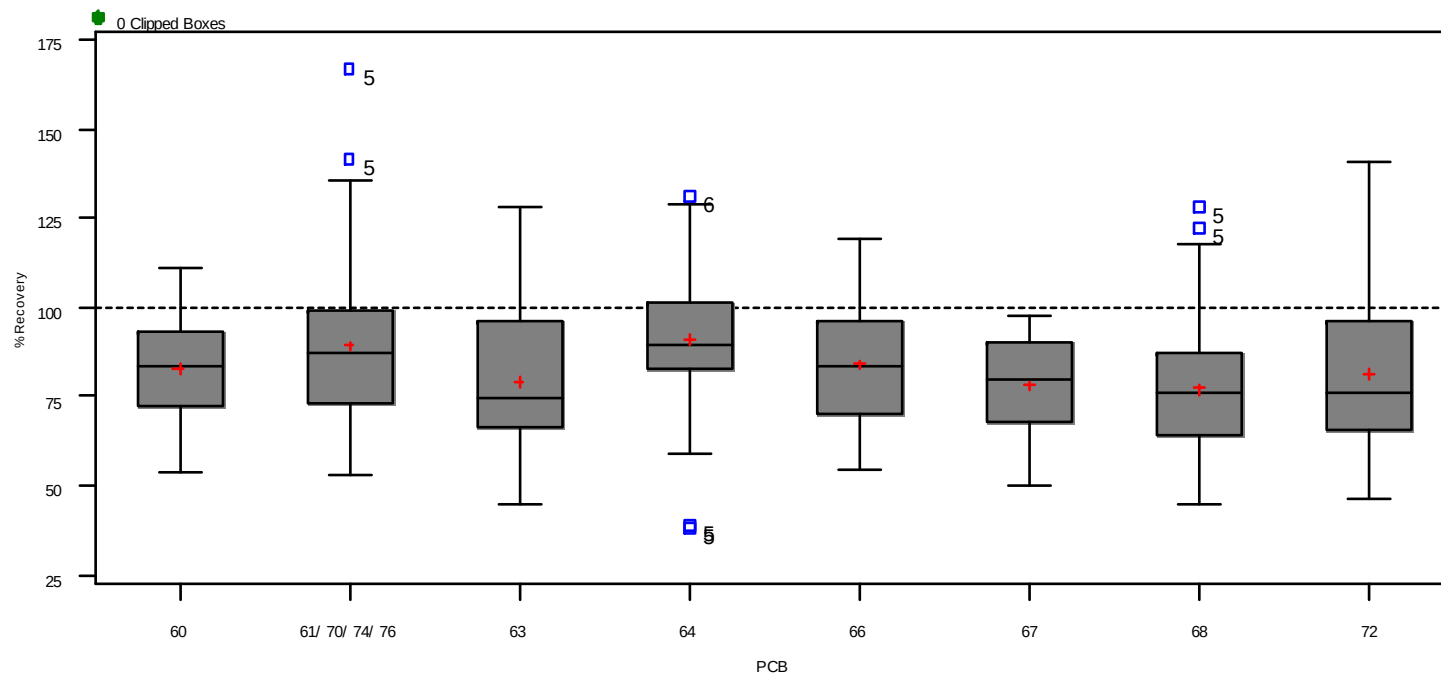
PCB Percent Recovery in Reagent Water Across All Laboratories



N	76	10	76	9	84	76	10	76
Min	50.74	99.52	59.43	86.70	50.38	52.01	83.87	58.31
Max	108.60	127.90	118.66	140.84	167.18	108.48	129.48	109.57

Red plus = mean; Blue square = extreme value (lab number); Gray box = mid 50% of data;

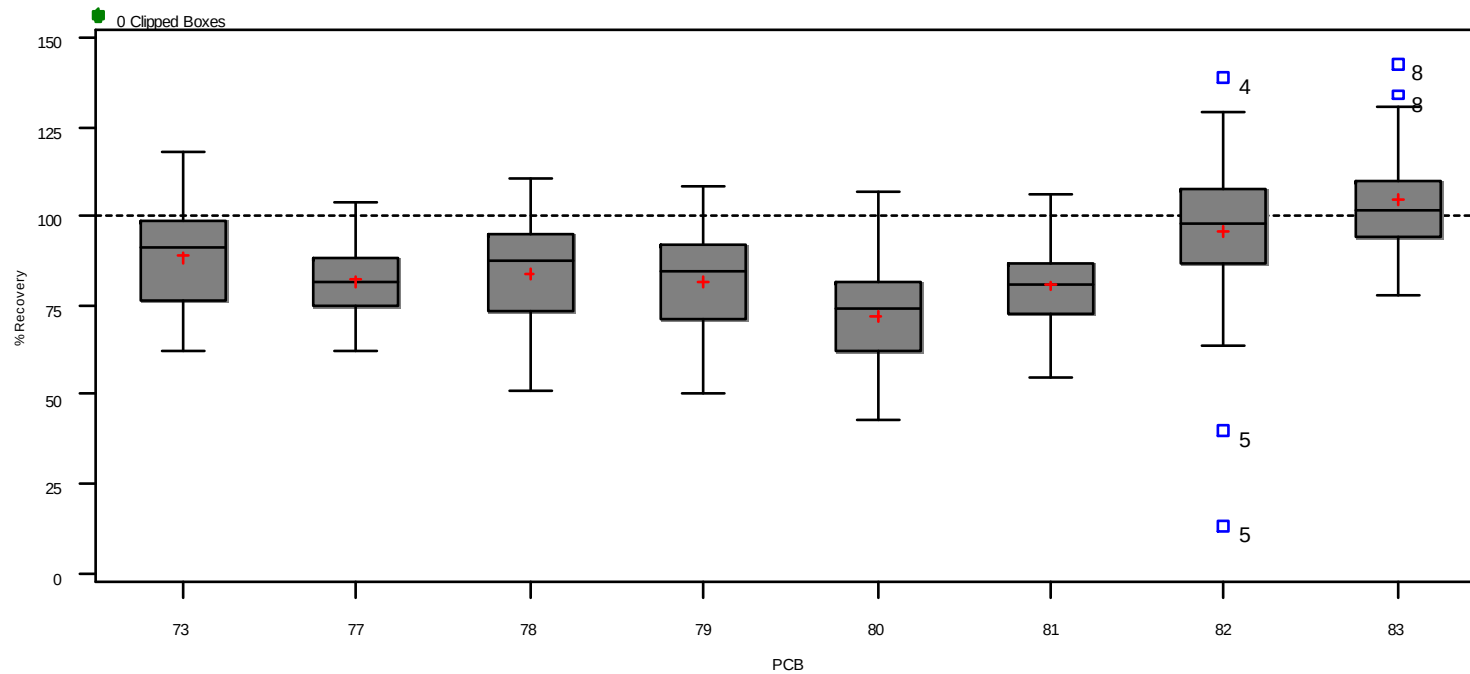
PCB Percent Recovery in Reagent Water Across All Laboratories



N	74	86	85	84	76	75	84	85
Min	53.94	52.65	44.83	37.93	54.07	49.63	45.02	45.87
Max	110.88	167.05	128.38	131.00	119.34	97.49	128.48	141.01

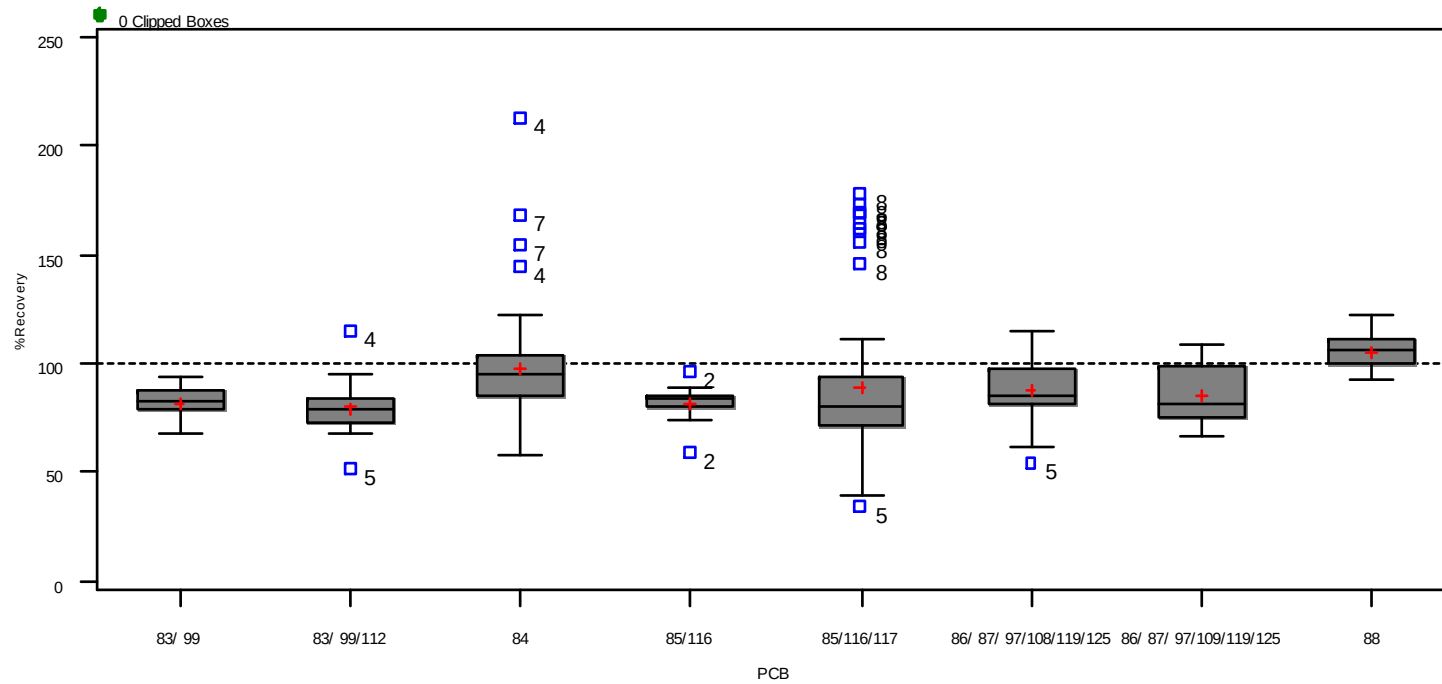
Red plus = mean; Blue square = extreme value (lab number); Gray box = mid 50% of data;

PCB Percent Recovery in Reagent Water Across All Laboratories



Red plus = mean; Blue square = extreme value (lab number); Gray box = mid 50% of data;

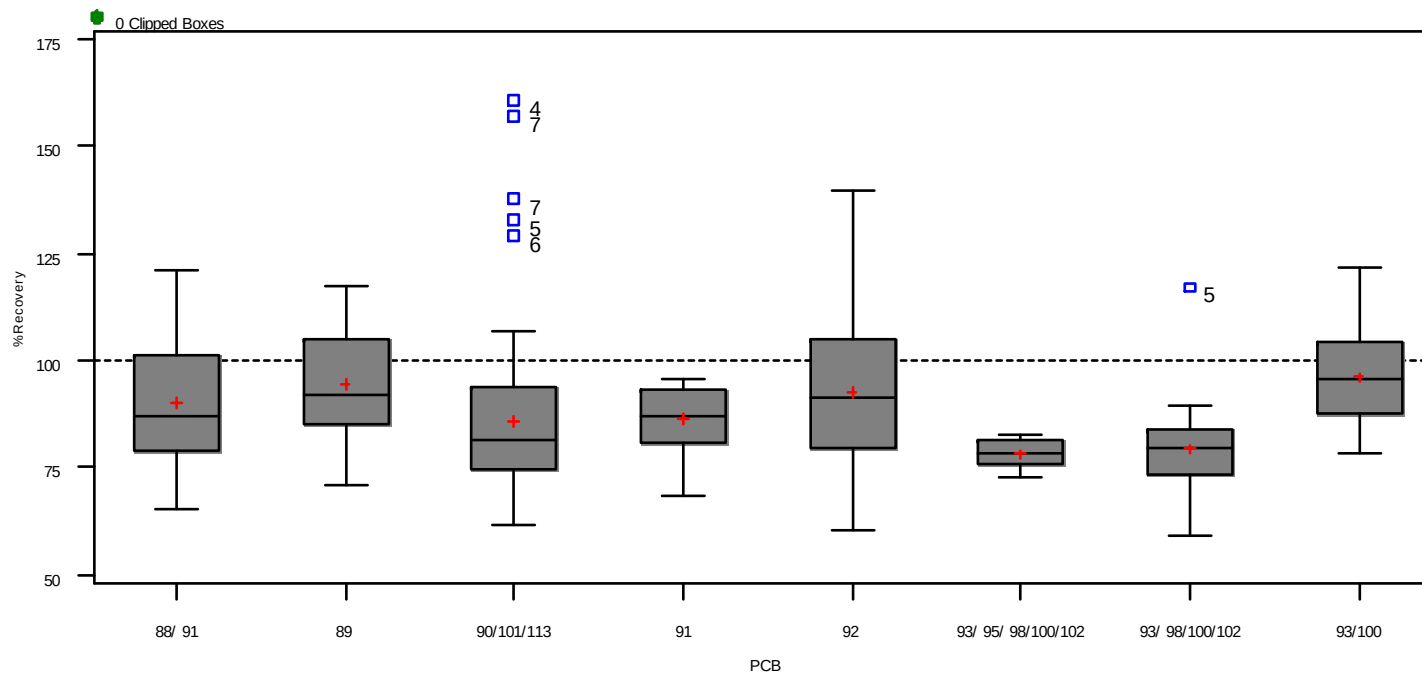
PCB Percent Recovery in Reagent Water Across All Laboratories



N	32	20	85	12	73	54	32	12
Min	67.26	51.48	57.96	59.24	34.02	54.28	65.86	92.79
Max	93.43	115.35	213.01	96.60	178.29	114.86	108.66	122.10

Red plus = mean; Blue square = extreme value (lab number); Gray box = mid 50% of data;

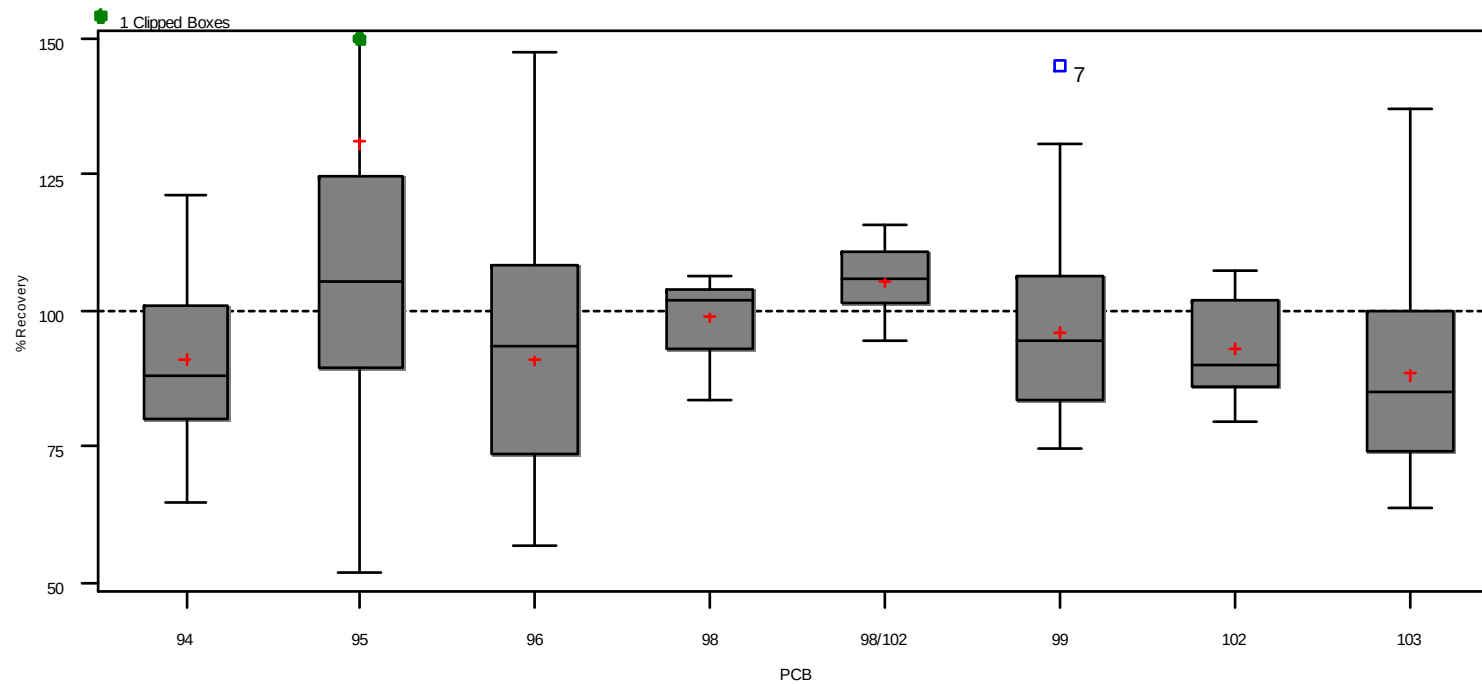
PCB Percent Recovery in Reagent Water Across All Laboratories



N	73	83	86	12	86	10	42	34
Min	65.37	70.80	61.32	68.55	60.38	72.56	59.01	78.08
Max	121.02	117.05	160.97	95.75	139.68	82.62	117.15	121.84

Red plus = mean; Blue square = extreme value (lab number); Gray box = mid 50% of data;

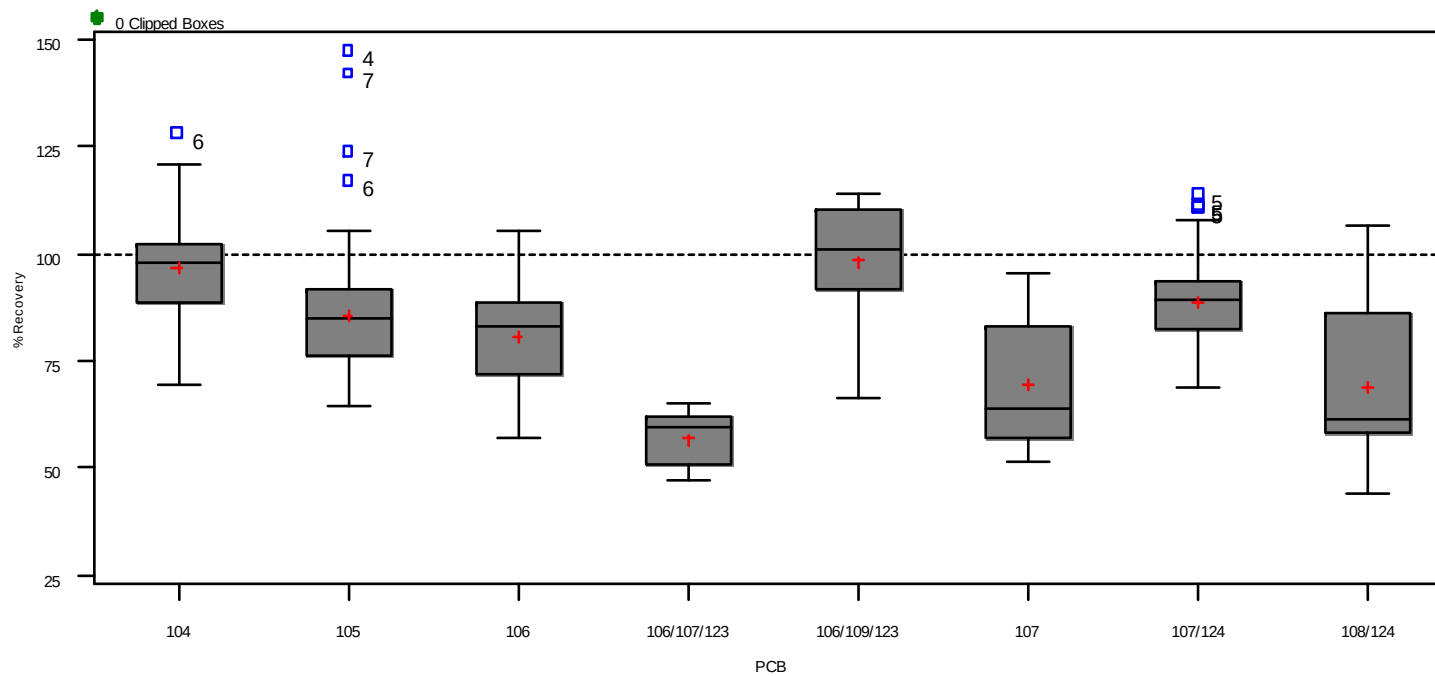
PCB Percent Recovery in Reagent Water Across All Laboratories



N	84	76	84	11	21	34	11	86
Min	64.85	51.94	56.58	83.54	94.21	74.55	79.52	63.66
Max	121.00	538.42	147.31	106.28	115.80	145.15	107.33	137.32

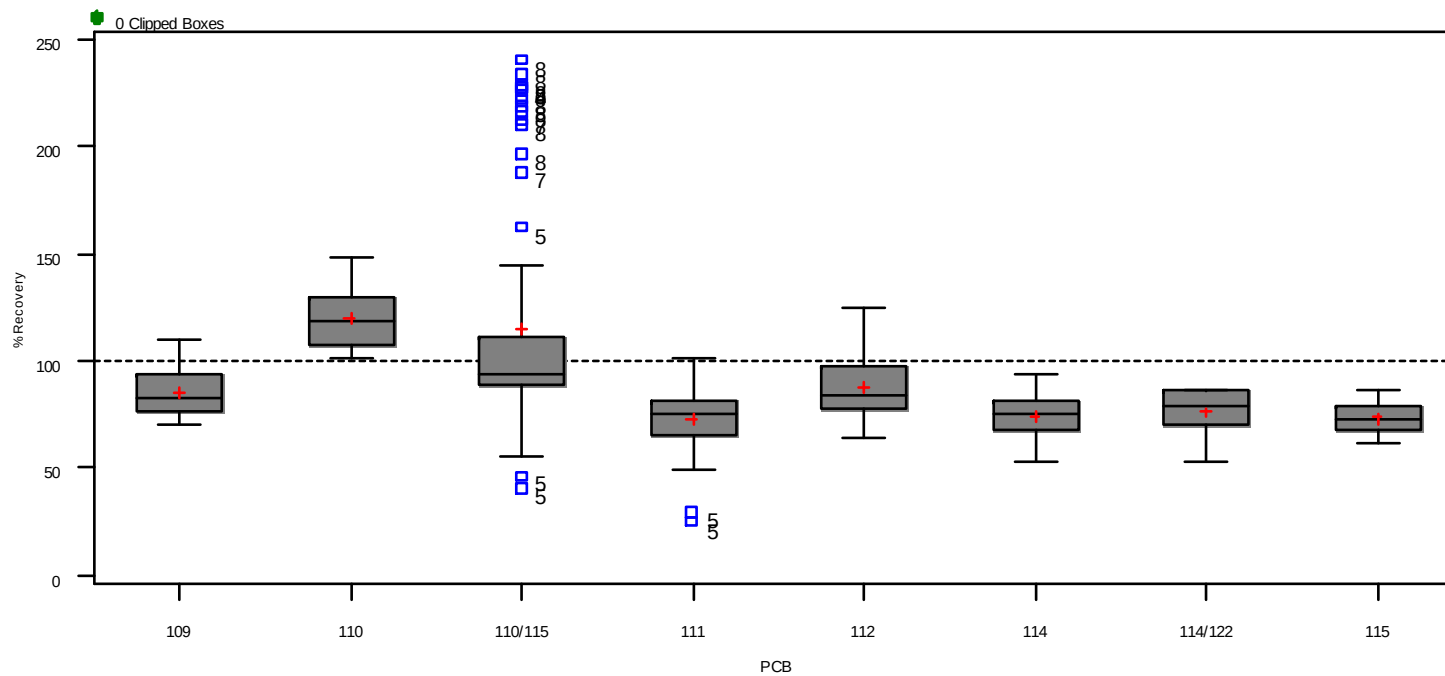
Red plus = mean; Blue square = extreme value (lab number); Gray box = mid 50% of data;

PCB Percent Recovery in Reagent Water Across All Laboratories



Red plus = mean; Blue square = extreme value (lab number); Gray box = mid 50% of data;

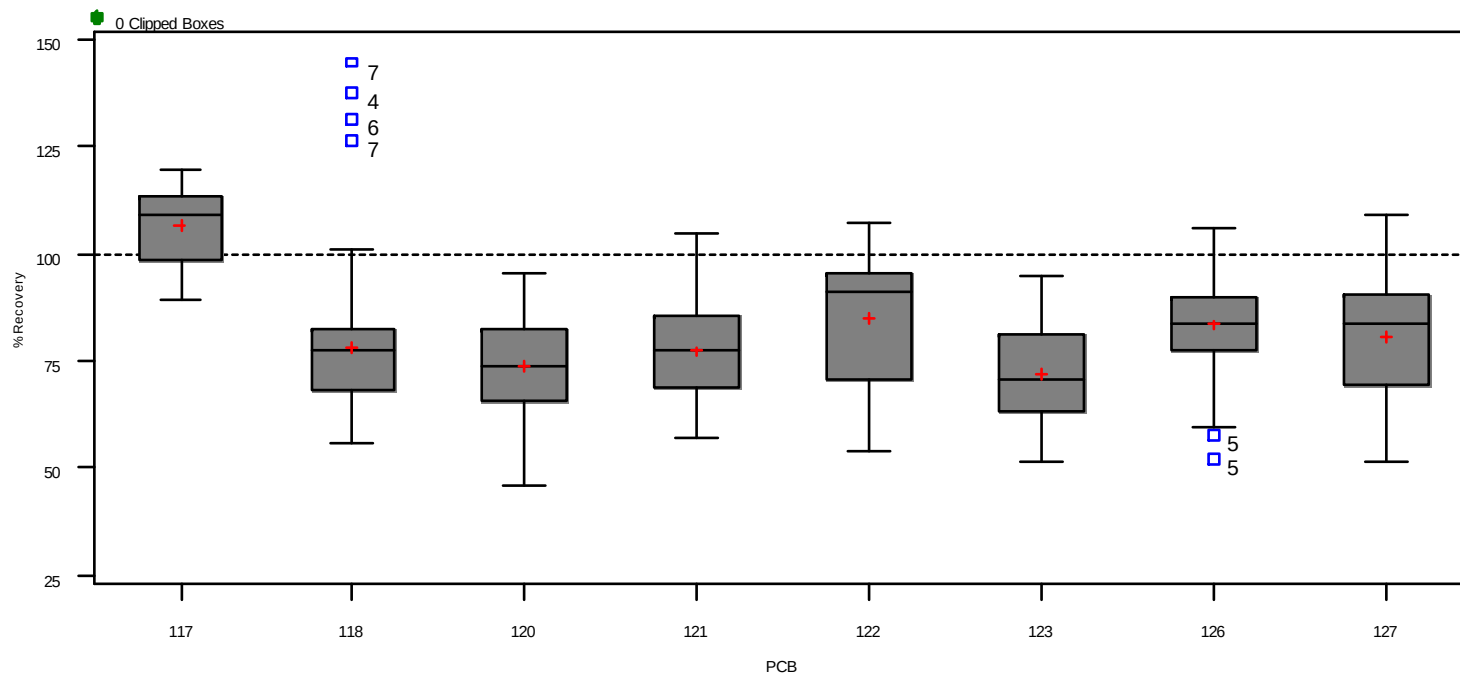
PCB Percent Recovery in Reagent Water Across All Laboratories



N	43	12	73	80	66	75	10	12
Min	69.67	101.35	41.08	25.10	63.86	52.81	52.53	61.20
Max	109.18	148.36	240.84	100.69	124.76	93.14	86.49	86.24

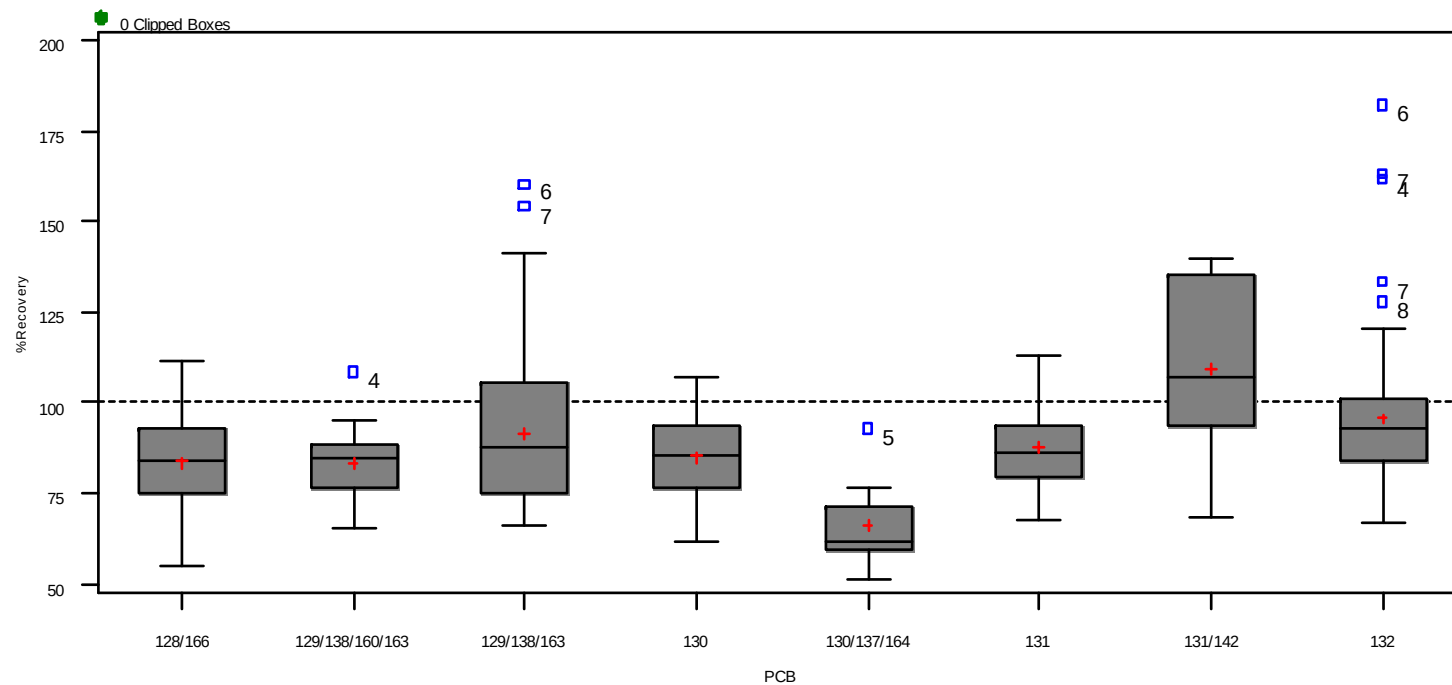
Red plus = mean; Blue square = extreme value (lab number); Gray box = mid 50% of data;

PCB Percent Recovery in Reagent Water Across All Laboratories



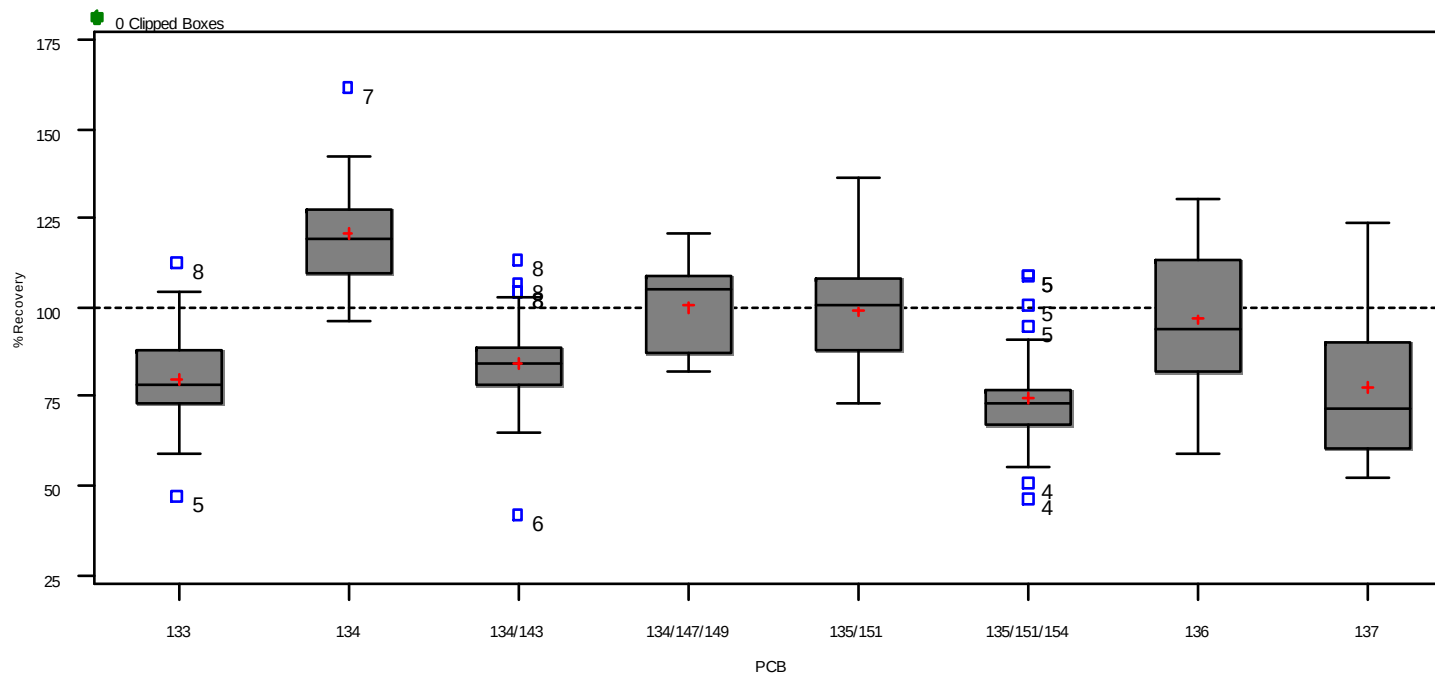
Red plus = mean; Blue square = extreme value (lab number); Gray box = mid 50% of data;

PCB Percent Recovery in Reagent Water Across All Laboratories



Red plus = mean; Blue square = extreme value (lab number); Gray box = mid 50% of data;

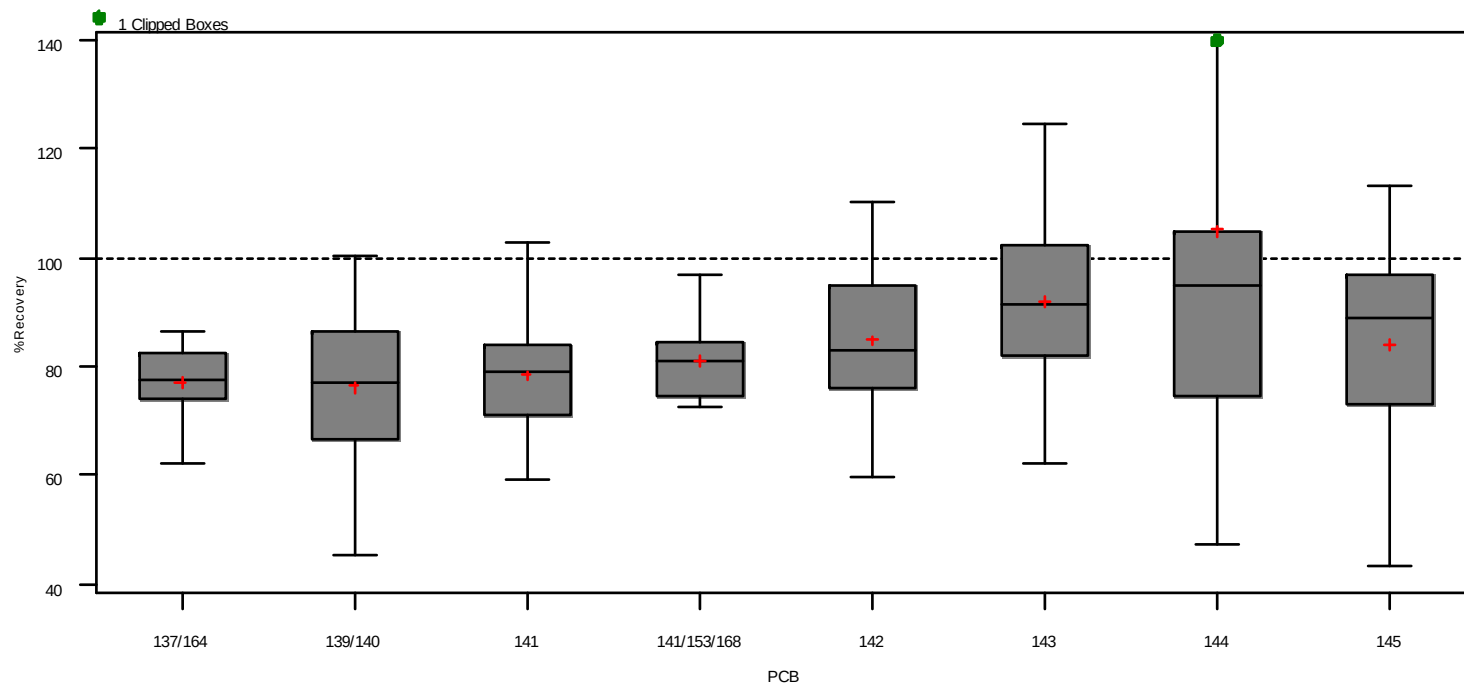
PCB Percent Recovery in Reagent Water Across All Laboratories



N	82	23	51	10	51	29	85	54
Min	47.36	96.31	41.99	81.80	72.77	46.62	58.66	51.94
Max	112.61	161.98	113.21	120.51	136.52	109.28	130.20	123.60

Red plus = mean; Blue square = extreme value (lab number); Gray box = mid 50% of data;

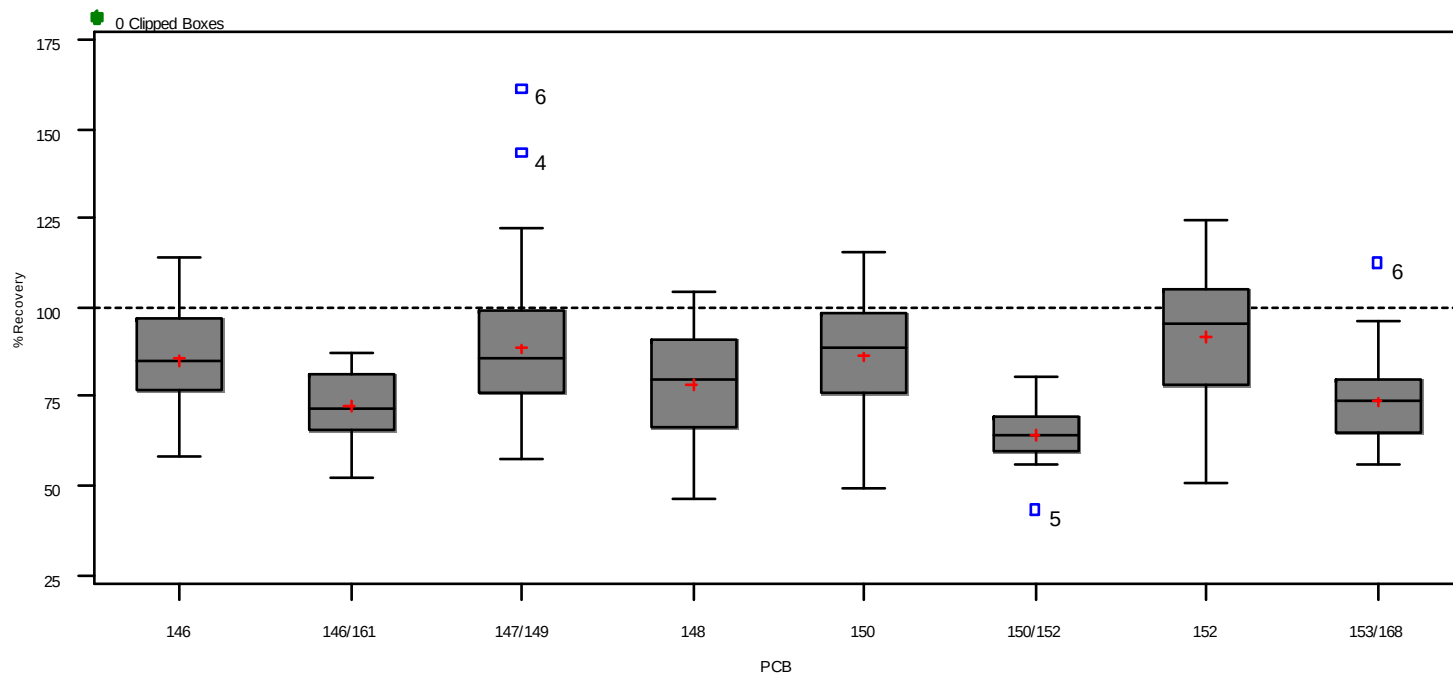
PCB Percent Recovery in Reagent Water Across All Laboratories



	137/164	139/140	141	141/153/168	142	143	144	145
N	20	86	75	10	76	34	85	85
Min	62.01	45.15	59.26	72.70	59.67	62.33	47.26	43.29
Max	86.63	100.10	102.96	96.70	110.00	124.58	321.64	113.21

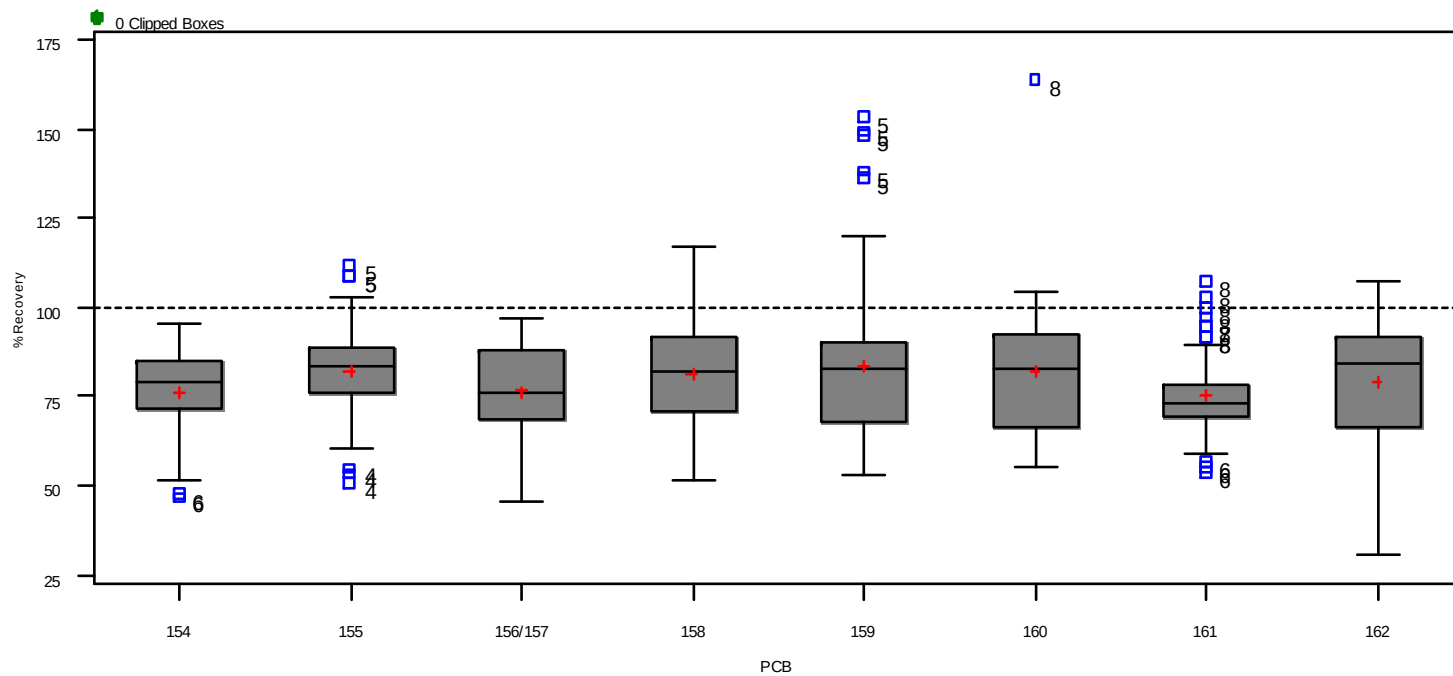
Red plus = mean; Blue square = extreme value (lab number); Gray box = mid 50% of data;

PCB Percent Recovery in Reagent Water Across All Laboratories



Red plus = mean; Blue square = extreme value (lab number); Gray box = mid 50% of data;

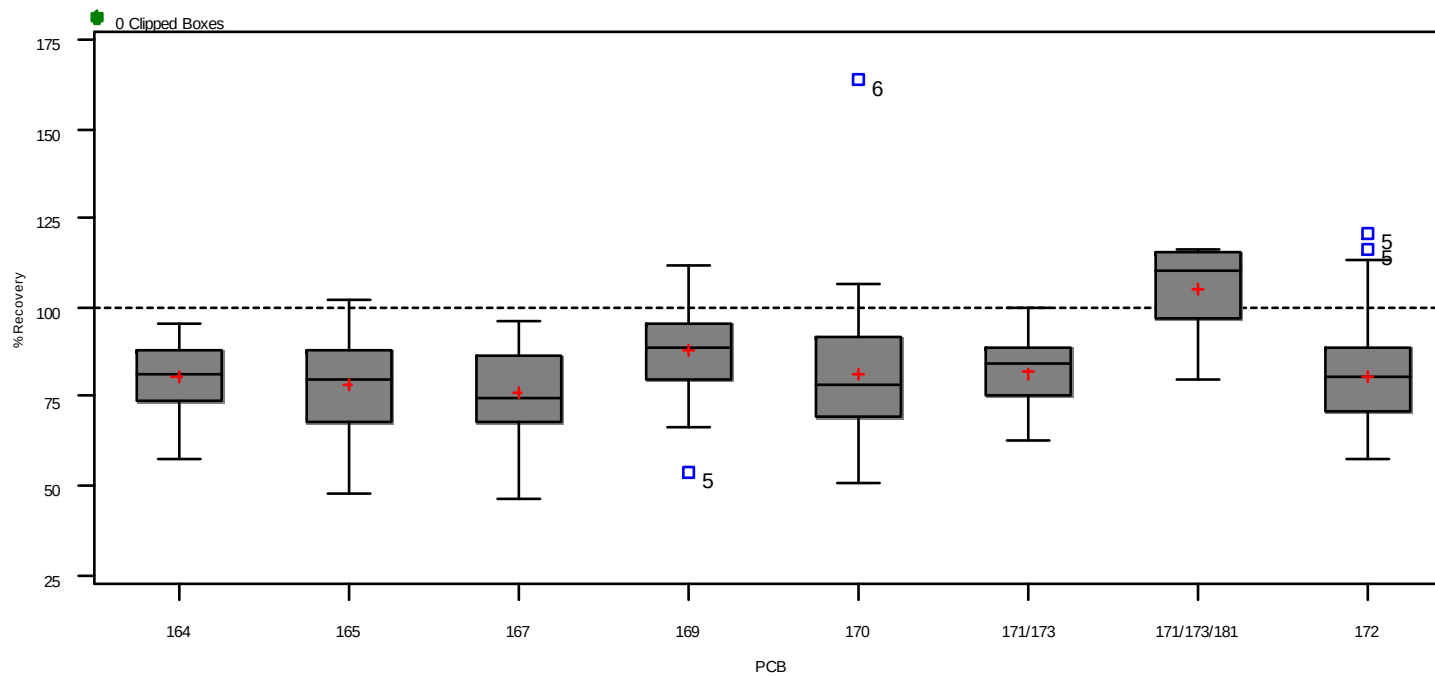
PCB Percent Recovery in Reagent Water Across All Laboratories



N	55	85	85	82	86	44	64	84
Min	46.83	50.72	45.32	51.21	52.93	54.86	53.94	30.80
Max	95.70	112.18	96.68	116.93	153.60	164.27	107.25	107.23

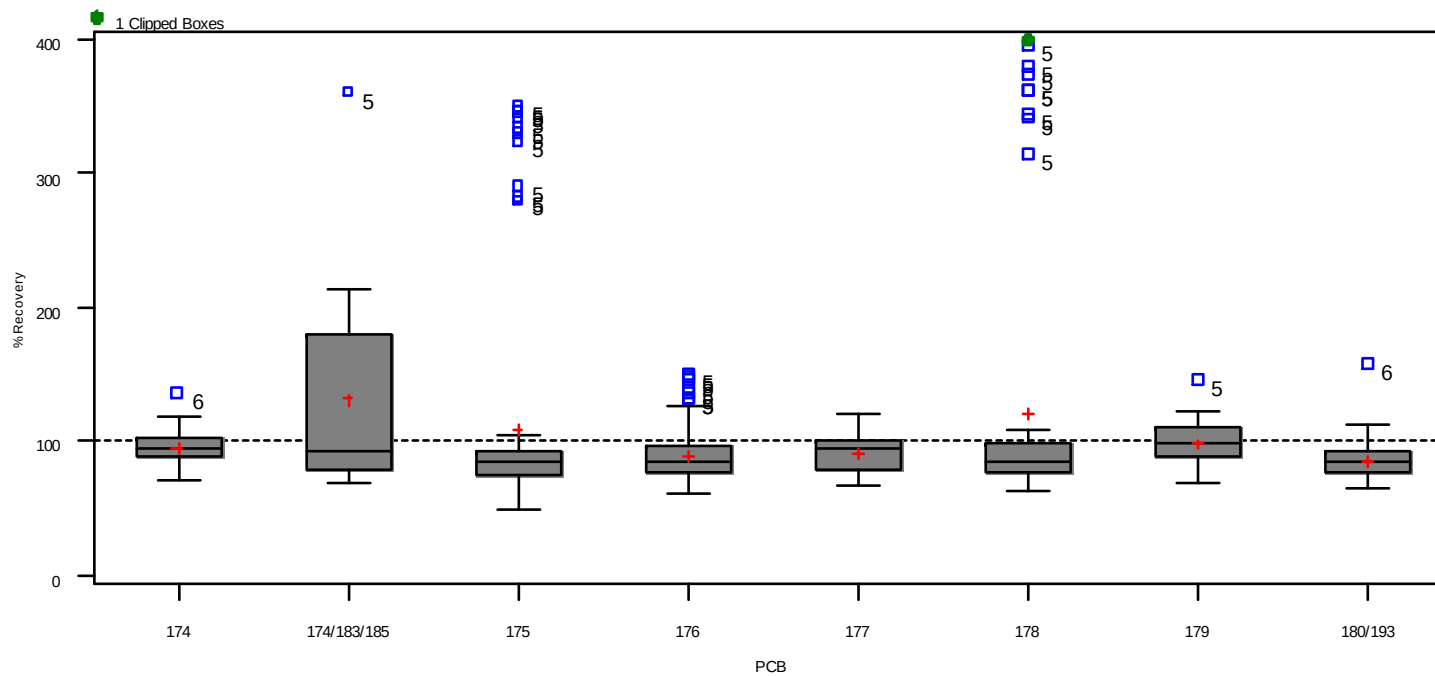
Red plus = mean; Blue square = extreme value (lab number); Gray box = mid 50% of data;

PCB Percent Recovery in Reagent Water Across All Laboratories



Red plus = mean; Blue square = extreme value (lab number); Gray box = mid 50% of data;

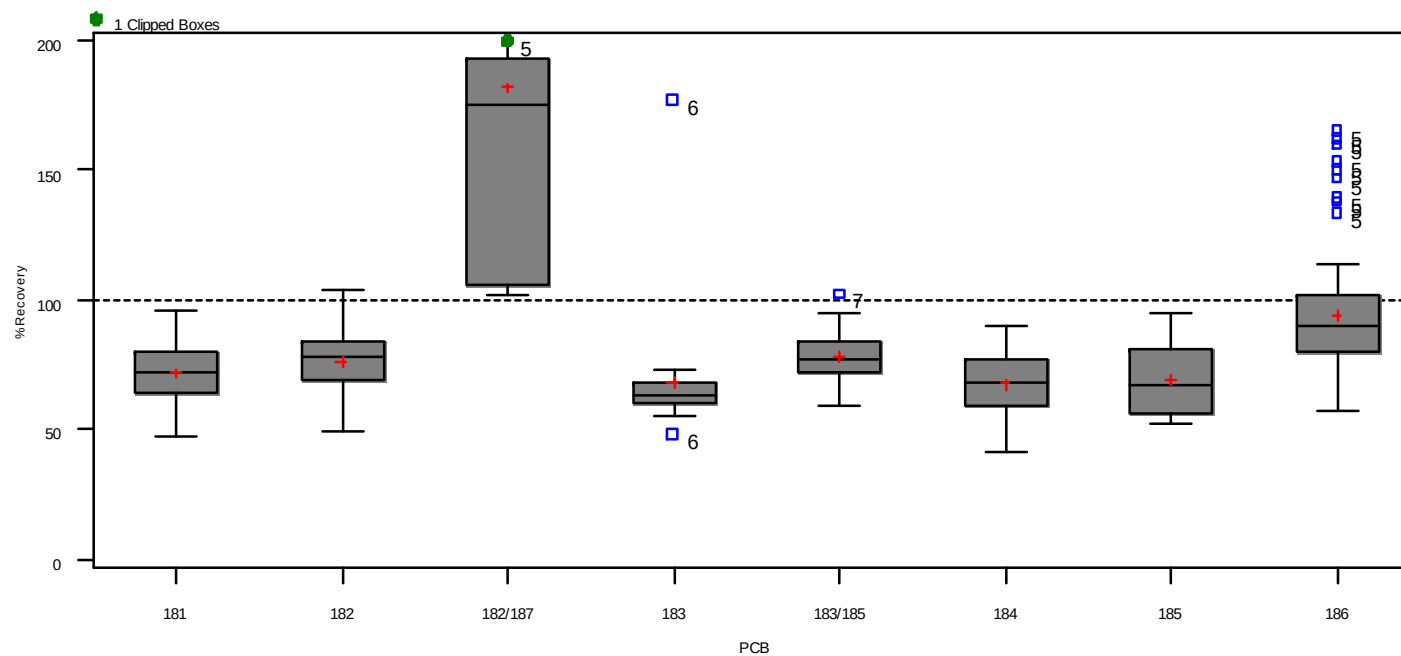
PCB Percent Recovery in Reagent Water Across All Laboratories



N	65	17	86	84	83	83	86	84
Min	70.49	68.84	48.62	61.37	66.65	61.66	69.24	64.98
Max	136.70	361.54	350.89	149.81	120.53	532.01	145.83	158.76

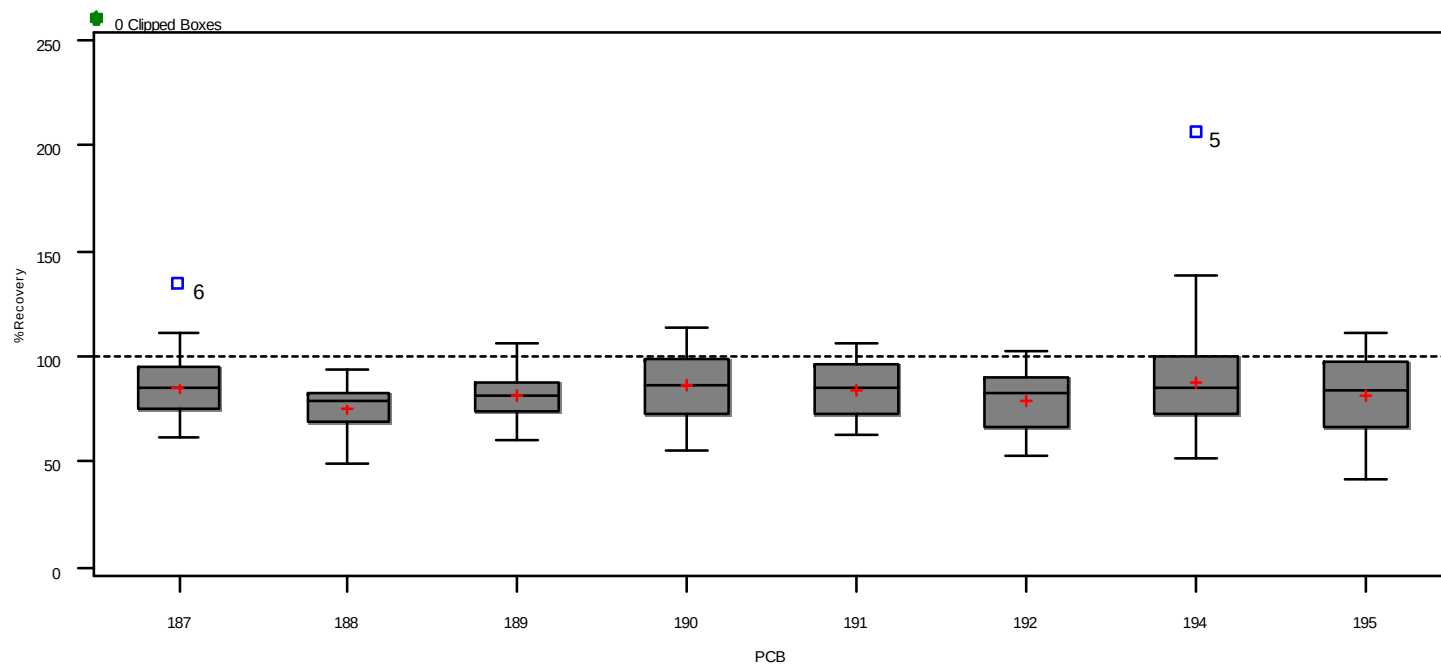
Red plus = mean; Blue square = extreme value (lab number); Gray box = mid 50% of data;

PCB Percent Recovery in Reagent Water Across All Laboratories



Red plus = mean; Blue square = extreme value (lab number); Gray box = mid 50% of data;

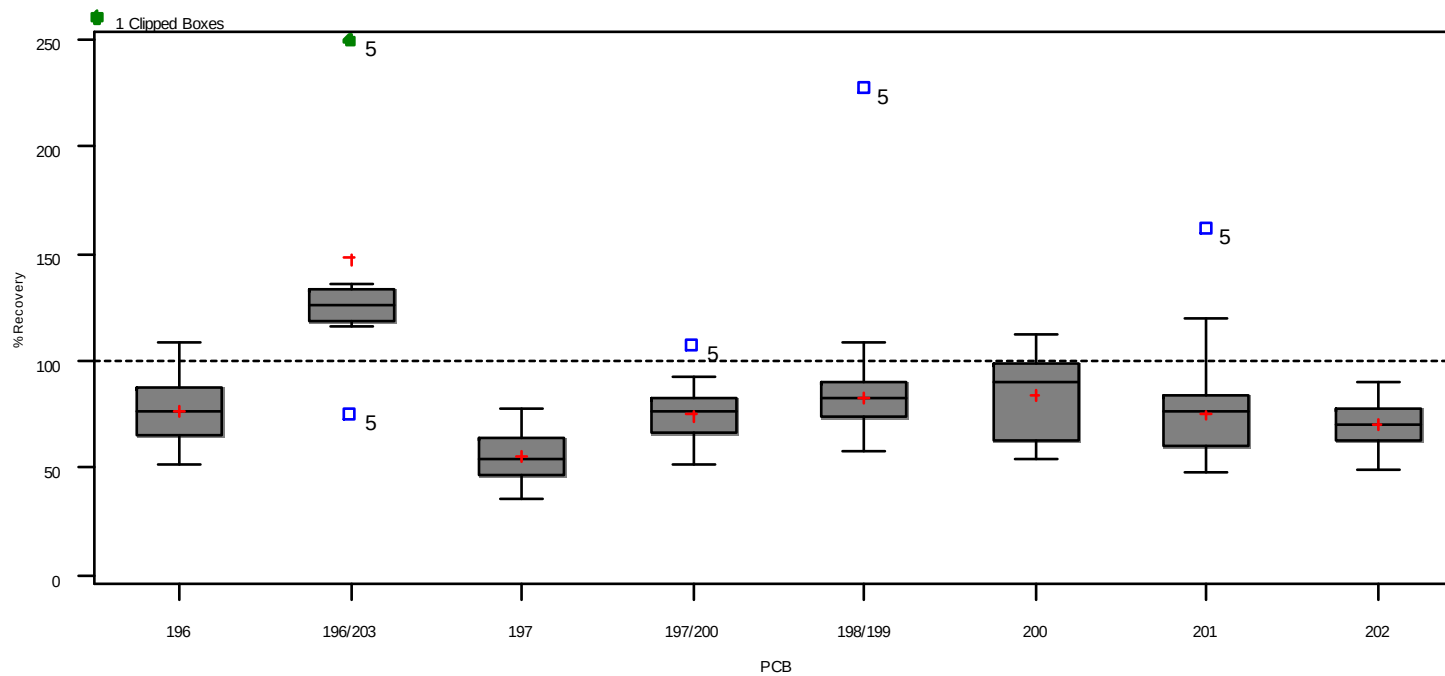
PCB Percent Recovery in Reagent Water Across All Laboratories



N	74	77	84	83	85	83	86	84
Min	61.00	48.51	60.06	55.33	62.40	52.12	51.84	41.71
Max	134.82	93.50	106.63	113.75	106.47	102.73	206.96	111.52

Red plus = mean; Blue square = extreme value (lab number); Gray box = mid 50% of data;

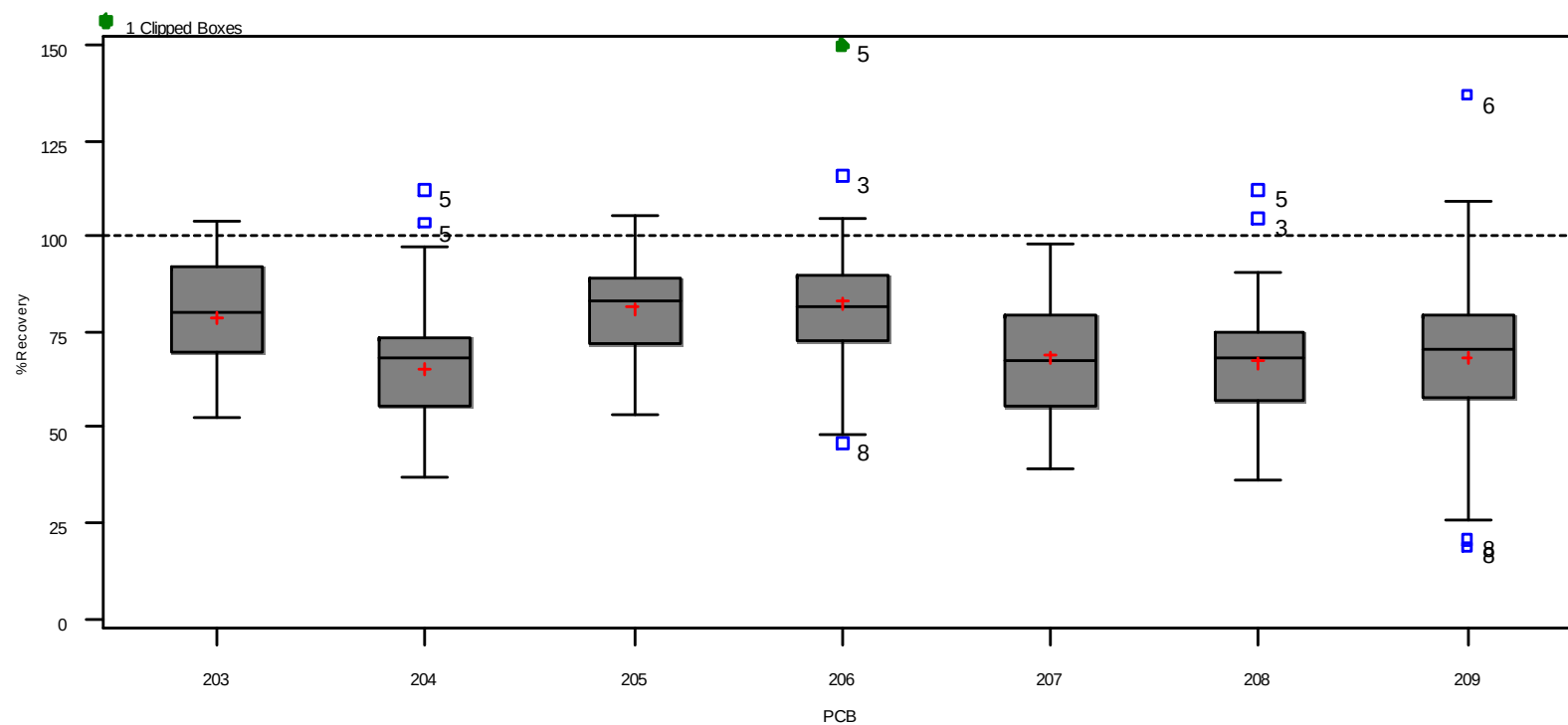
PCB Percent Recovery in Reagent Water Across All Laboratories



N	75	10	32	51	85	34	86	80
Min	52.05	74.91	34.83	51.75	57.11	53.39	48.14	48.62
Max	108.91	395.45	77.62	107.73	228.28	111.85	161.73	89.37

Red plus = mean; Blue square = extreme value (lab number); Gray box = mid 50% of data;

PCB Percent Recovery in Reagent Water Across All Laboratories



N	75	84	83	85	85	85	85
Min	52.73	36.70	53.33	45.88	39.43	36.40	18.81
Max	104.19	111.99	105.31	275.46	98.01	112.07	137.11

Red plus = mean; Blue square = extreme value (lab number); Gray box = mid 50% of data;

E

**REPORTED METHOD BLANK AND UNSPIKED
REAGENT WATER SAMPLE RESULTS**

Appendix E. Reported Method Blank and Unspiked Reagent Water Sample Results for All Laboratories

PCB	Lab 1 MB	Lab 1 RW-A	Lab 2 MB1	Lab 2 MB2	Lab 2 RW-A	Lab 3 MB	Lab 3 RW-A	Lab 4 MB	Lab 4 RW-A	Lab 5 MB1	Lab 5 MB2	Lab 5 RW-A	Lab 6 MB	Lab 6 RW-A	Lab 7 MB	Lab 7 RW-A	Lab 8 MB	Lab 8 RW-A
1	36.3	0*	0*	0*	0*	2.56	1.9	13.6	6.16	24.41	17.55	28.55	*	8.1	6.04*	*	*	*
2	0*	0*	0*	0*	0*	3	1.31	*	5.49	*	*	*	*	*	7.12*	18*	*	*
3	10.2	0*	0*	0*	0*	4.76	4.45*	12.3	7.83	17.23	*	20.91	*	6.7	9.34	*	*	*
4	0*	0*	5.48*	0*	9.74*	*	*	*	*	50.86	*	*	*	*	*	*	*	*
5	0*	0*	0*	0*	0*	*	*	*	*				*	*	*	*		
5/ 8										*	146.1	197.63*					*	3.5
6	0*	0*	0*	0*	0*	*	*	*	*	*	*	*	*	*	*	*	*	*
7	0*	0*	0*	0*	0*	*	*	*	*	*	*	*	*	*	*	*	*	3.2
8	0*	0*	2.67*	0*	7.56*	*	1.84*	*	*				*	97	*	*		
9	0*	0*	0*	0*	0*	*	*	*	*	*	*	*	*	*	*	*	*	3
10	0*	0*	0*	0*	0*	*	*	*	*	*	*	*	*	*	*	*	*	*
11	0*	0*	4.98*	0*	102	*	5.47	*	*	*	226.91	302.43	*	*	*	*	29	22
12/ 13	0*	0*	0*	0*	0*	*	*	*	*	*	*	*	*	*	*	*	*	*
14	0*	0*	0*	0*	0*	*	*	*	*	*	*	*	*	*	*	*	*	*
15	0*	0*	0*	0*	0*	*	2.3*	*	*	*	*	*	*	*	*	*	*	2.2
16	0*	0*	0*	0*	7.87	0.8*	0.769*						*	46.4	6.14	9.01*		
16/ 24																	*	*
16/ 24/ 27								*	30.9	5.63	5.06	9.02*						
17	7.78	0*	3.19*	0*	7.34*	1.38*	0.695*	*	11.5	31.65	23.28	32.7	*	*	5.02*	5.05*	*	*
18/ 30	18.2	0*	10.7	0*	24.3	4.26*	1.72	11.3	26.4	50.39	48.15	70.21	*	75.4	9.28	11.2	*	4.3
19	0*	0*	0*	0*	0*	2*	1.03*	*	7.52	10.73	11.58	13.81*	*	12.7	2.46*	18.5*	*	*
20/ 21/ 28/ 33								25.0	57.5	68.09	*	97.58						
20/ 28	22.5	15	0*	0*	7.78	2.9	1.9						*	84.1	8.38	11.7	*	5.2
21/ 33	10.5	0*	0*	0*	6.1	2.3	1.28						*	47.3	5.38*	7.88*	*	4.1
22	7.38	0*	0*	0*	0*	1.5*	0.875	5.93	18.5	*	*	17.93	*	26.2	2.78*	4.38	*	3.2
23	0*	0*	0*	0*	0*	1.05	0.633	*	6.83				*	*	*	*	*	*

*** Indicates reported value does not meet one or more qualitative criteria and is not used in subsequent statistical analyses**

Note: A blank cell indicates PCB reported as coeluting with another PCB and reported elsewhere

Appendix E. Reported Method Blank and Unspiked Reagent Water Sample Results for All Laboratories

PCB	Lab 1 MB	Lab 1 RW-A	Lab 2 MB1	Lab 2 MB2	Lab 2 RW-A	Lab 3 MB	Lab 3 RW-A	Lab 4 MB	Lab 4 RW-A	Lab 5 MB1	Lab 5 MB2	Lab 5 RW-A	Lab 6 MB	Lab 6 RW-A	Lab 7 MB	Lab 7 RW-A	Lab 8 MB	Lab 8 RW-A
23/ 34										*	*	*						
24	0*	0*	0*	0*	0*	*	*						*	*	*	*		
25	0*	0*	0*	0*	0*	1.21	*	*	9.30	*	*	*	*	8.2	*	*	*	*
26/ 29	6	0*	0*	0*	0*	1.32*	*	*	14.1	*	*	19.67	*	13.9	*	1.91*	*	*
27	0*	0*	0*	0*	0*	0.558*	*						*	5.2	*	*	*	*
31	11.9	0*	0*	0*	7.63	2.17	1.59	10.2	20.5	*	15.87	59.2	*	67.5	9	13.2*	*	5.1
32	7.82	0*	0*	0*	0*	0.943*	0.658	2.65	10.5	10.9	11.32	18.08	*	22.4	2.92	3.3	*	*
34	0*	0*	0*	0*	0*	0.611	*	*	7.00				*	*	*	*	*	*
35	4.03	0*	0*	0*	0*	0.747*	*	*	8.65	*	*	*	*	*	*	*	*	*
36	0*	0*	0*	0*	0*	0.641	*	*	7.20	*	*	*	*	*	*	*	*	*
37	8.24	0*	0*	0*	0*	1.19	1.1	6.42	19.0	*	*	*	*	10.4	2.46	3.46*	*	*
38	0*	0*	0*	0*	0*	*	*	*	7.84	*	*	*	*	*	*	*	*	*
39	6.37	0*	0*	0*	0*	0.717*	*	*	9.49	*	*	*	*	*	*	*	*	*
40/ 41/ 71	0*	0*				1.5	0.776*	13.4	48.9	19.26	17.03	*	*	11.2			*	*
40/ 71			2.8	0*	7.41										6.14	4.6		
41			0*	0*	0*										*	*		
42	0*	0*	0*	0*	0*	0.515*	*	5.93	17.5				*	*	2.88*	*	*	*
42/ 59/ 62/ 75										8.89	9.81	*						
43	0*	0*	0*	0*	0*	0.559*	*						*	*	*	*	*	*
43/ 52/ 73								25.9	87.8	44.52	42.1	73.4						
44/ 47/ 65	32.5	32.6	12.9	9.22	22.6	2.26	2.37*	22.5	62.7	32.75	33.51	49.47	*	17.9	22	21.6	35	39
45			0*	0*	0*													
45/ 51	0*	0*				1.02	0.593	*	19.6	*	*	*	*	6.4	4.16*	4.74*	*	9.5
46	0*	0*	0*	0*	0*	*	*	*	12.6	*	*	*	*	*	*	*	*	*
48	0*	0*	0*	0*	0*	0.502*	*	*	12.2	*	*	*	*	7.3	2.12*	*	*	*
49													*	13.6				

*** Indicates reported value does not meet one or more qualitative criteria and is not used in subsequent statistical analyses**

Note: A blank cell indicates PCB reported as coeluting with another PCB and reported elsewhere

Appendix E. Reported Method Blank and Unspiked Reagent Water Sample Results for All Laboratories

PCB	Lab 1 MB	Lab 1 RW-A	Lab 2 MB1	Lab 2 MB2	Lab 2 RW-A	Lab 3 MB	Lab 3 RW-A	Lab 4 MB	Lab 4 RW-A	Lab 5 MB1	Lab 5 MB2	Lab 5 RW-A	Lab 6 MB	Lab 6 RW-A	Lab 7 MB	Lab 7 RW-A	Lab 8 MB	Lab 8 RW-A
49/ 69	9.92	0*	10.5	6.44	15.6*	1.21	1.4*	10.1	28.4	15.76	11.66	19.52*			13.3	10.9	*	*
50/ 53	0*	0*	4.7*	0*	7.79	1.14	*	*	19.6	*	*	*	*	*	*	2.89	*	*
51			0*	0*	0*													
52	17	20.8	48.8	35.2	75.3	3.88	3.69						*	28.8	46.3	39	*	*
54	0*	0*	0*	0*	0*	0.916*	*	*	11.2	*	*	*	*	*	*	*	*	*
55	0*	0*	0*	0*	0*	*	*	*	8.08				*	*	*	*	*	*
55/ 66										*	*	15.47						
56	0*	0*	0*	0*	0*	0.735	0.658	22.2	24.0				*	*	6.24	5.31	*	*
56/ 60										*	*	*						
57	0*	0*	0*	0*	0*	*	*	*	6.71	*	*	*	*	*	*	*	*	*
58	0*	0*	0*	0*	0*	*	*	*	8.97				*	*	*	*	*	*
58/ 67										*	*	*						
59/ 62/ 75	0*	0*	0*	0*	0*	0.869*	*	*	28.3				*	*	*	*	*	*
60	0*	0*	0*	0*	0*	0.805	*	10.4	17.0				*	*	2.64*	2.55*	*	*
61/ 70/ 74/ 76	14.4	0*	5.59	0*	13.9	2.65	2.37	44.0	80.2	44.17	47.42	61.65	*	21	38.2	33.7	*	8.5
63	0*	0*	0*	0*	0*	*	*	*	5.82	*	*	*	*	*	*	*	*	*
64	0*	0*	2.11	0*	4.79	0.664*	0.659*	7.56	20.0	8.53	9.42	*	*	8.7	7.66	7.94	*	*
66	7.2	0*	0*	0*	0*	1.05	1.51	24.7	31.4				*	10	12.6	11.3	*	*
67	0*	0*	0*	0*	0*	0.508*	*	*	7.93				*	*	*	*	*	*
68	0*	0*	0*	0*	0*	*	*	*	5.22	*	*	*	*	*	*	*	*	5.8
72	0*	0*	0*	0*	0*	*	*	*	5.45	*	*	*	*	*	*	*	*	*
73	0*	0*	0*	0*	0*	*	*						*	*	*	*	*	*
77	7.62	0*	0*	0*	0*	0.657*	0.583	12.9	9.95	*	*	*	*	*	*	*	*	*
78	0*	0*	0*	0*	0*	*	*	*	7.28	*	*	*	*	*	*	*	*	*
79	0*	0*	0*	0*	0*	*	*	*	8.55	*	*	*	*	*	*	*	*	*
80	0*	0*	0*	0*	0*	*	*	*	4.90	*	*	*	*	*	*	*	*	*

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Appendix E. Reported Method Blank and Unspiked Reagent Water Sample Results for All Laboratories

PCB	Lab 1 MB	Lab 1 RW-A	Lab 2 MB1	Lab 2 MB2	Lab 2 RW-A	Lab 3 MB	Lab 3 RW-A	Lab 4 MB	Lab 4 RW-A	Lab 5 MB1	Lab 5 MB2	Lab 5 RW-A	Lab 6 MB	Lab 6 RW-A	Lab 7 MB	Lab 7 RW-A	Lab 8 MB	Lab 8 RW-A
81	3.79	0*	0*	0*	0*	*	0.555*	*	9.09	*	*	*	*	*	*	*	*	*
82	0*	0*	0*	0*	0*	*	*	*	27.3	*	*	*	*	*	7.42	8.76	*	*
83			0*	0*	0*										*	*	*	*
83/ 99	0*	0*				*	1.31						*	*				
83/ 99/112								26.9	61.4	9.09	*	*						
84	0*	0*	0*	0*	0*	*	*	*	46.3	*	*	*	*	*	21.6	19.5	*	*
85/116			0*	0*	0*													
85/116/117	0*	0*				*	0.627*	11.5	48.6	*	9.69	*	*	*	10.2*	11.3	*	*
86/ 87/ 97/108/119/125	0*	0*	0*	0*	13.7*	*	1.67			*	*	*			44.4	40.3		
86/ 87/ 97/109/119/125								43.9	130				*	14.6			*	*
88			0*	0*	0*													
88/ 91	0*	0*				*	*	*	28.7	*	*	*	*	*	11.4	7.52	*	*
89	0*	0*	0*	0*	0*	*	*	*	14.9	*	*	*	*	*	*	*	*	*
90/101/113	0*	0*	14.8	11.1*	40.1	1.28*	1.19	45.4	122	26.22	17.33	33.86*		45.9	55.2	48.4	*	4.1
91			0*	0*	0*													
92	0*	0*	4.04	0*	0*	0.536*	*	*	29.6	*	*	*	*	*	9.54	8.5	*	*
93/ 95/ 98/100/102						*	2.34											
93/ 98/100/102	0*	0*						*	46.2	*	*	*	*	*				
93/100			0*	0*	0*										*	*	*	*
94	0*	0*	0*	0*	0*	*	*	*	12.1	*	*	*	*	*	*	*	*	*
95	0*	0*	17.6	17	42.1			36.9	82.6	43.95	40.32	71.41		*	55.3	44.4	*	5.1
96	0*	0*	0*	0*	0*	*	*	*	10.6	*	*	*	*	*	*	*	*	*
98			0*	0*	0*													
98/102															*	*	*	*
99			4.63*	0*	11.3										24.3	22.9*	*	*
102			0*	0*	0*													

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Appendix E. Reported Method Blank and Unspiked Reagent Water Sample Results for All Laboratories

PCB	Lab 1 MB	Lab 1 RW-A	Lab 2 MB1	Lab 2 MB2	Lab 2 RW-A	Lab 3 MB	Lab 3 RW-A	Lab 4 MB	Lab 4 RW-A	Lab 5 MB1	Lab 5 MB2	Lab 5 RW-A	Lab 6 MB	Lab 6 RW-A	Lab 7 MB	Lab 7 RW-A	Lab 8 MB	Lab 8 RW-A
103	0*	0*	0*	0*	0*	*	*	*	11.3	*	*	*	*	*	*	*	*	*
104	0*	0*	0*	0*	0*	*	*	*	16.5	*	*	*	*	*	*	*	*	*
105	0*	0*	0*	0*	3.58*	0.987*	1.21*	33.2	33.1	3.22	3.73	*	*	*	15.2*	15.9	*	*
106	0*	0*	0*	0*	0*	*	*						*	*	*	*	*	*
106/107/123								*	21.8									
106/109/123										*	*	*						
107													*	*			*	*
107/124	0*	0*	0*	0*	0*	*	*			*	*	*			*	*		
108/124								*	13.8				*	*			*	*
109	0*	0*	0*	0*	0*	*	*								*	*		
110			4.22	0*	12.3													
110/115	0*	0*				1.22	1.93	73.4	138	33.53	20.29	41.88	*	30.8	64.6	61.9	*	*
111	0*	0*	0*	0*	0*	*	*	*	9.90	*	*	*	*	*	*	*	*	*
112	0*	0*	0*	0*	0*	*	*						*	*	*	*	*	*
114	0*	0*	0*	0*	0*	0.723*	*	*	8.59				*	*	*	*	*	*
114/122										*	*	*						
115			0*	0*	0*													
117			0*	0*	0*													
118	0*	0*	0*	0*	7.16*	1.55	2.93*	51.6	68.7	13.33	7.78	9.37*	*	15.4	32.8	33.8	*	3.4
120	0*	0*	0*	0*	0*	*	*	*	12.0	*	*	*	*	*	*	*	*	*
121	0*	0*	0*	0*	0*	*	*	*	9.43	*	*	*	*	*	*	*	*	*
122	0*	0*	0*	0*	0*	*	*	*	6.93				*	*	*	*	*	*
123	0*	0*	0*	0*	0*	*	*						*	*	*	*	*	*
126	0*	0*	0*	0*	0*	0.647	*	*	9.59	*	*	*	*	*	*	*	*	*
127	0*	0*	0*	0*	0*	*	*	*	7.27	*	*	*	*	*	*	*	*	*
128/166	0*	0*	0*	0*	0*	*	0.691*	8.70	25.2	*	*	*	*	5.7	7.2	6.39*	*	*

*** Indicates reported value does not meet one or more qualitative criteria and is not used in subsequent statistical analyses**

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Appendix E. Reported Method Blank and Unspiked Reagent Water Sample Results for All Laboratories

PCB	Lab 1 MB	Lab 1 RW-A	Lab 2 MB1	Lab 2 MB2	Lab 2 RW-A	Lab 3 MB	Lab 3 RW-A	Lab 4 MB	Lab 4 RW-A	Lab 5 MB1	Lab 5 MB2	Lab 5 RW-A	Lab 6 MB	Lab 6 RW-A	Lab 7 MB	Lab 7 RW-A	Lab 8 MB	Lab 8 RW-A
129/138/160/163	0*	0*				0.893*	4.59	38.2	99.6	19.72	17.12	13.6						
129/138/163			3.23	0*	20.2									63	37.7	39.5	*	4.2
130	0*	0*	0*	0*	0*	*	*	*	12.0				*	*	*	*	*	*
130/137/164										*	*	*						
131	0*	0*	0*	0*	0*	*	*	*	5.76				*	*	*	*	*	*
131/142										*	*	*						
132	0*	0*	0*	0*	8.04*	*	0.651	17.4	40.9	5.42	6.24	6.28*		*	17.8	15.6	*	*
133	0*	0*	0*	0*	0*	*	*	*	9.11	*	*	*	*	*	*	*	*	*
134			0*	0*	0*										*	*		
134/143	0*	0*				*	*	*	17.7				*	*			*	*
134/147/149										49.77	29.46	40.34						
135/151	0*	0*	0*	0*	24.6									28.4	10.6	*	*	*
135/151/154						0.554*	0.664*	*	34.2	18.36	13.5	13.59						
136	0*	0*	0*	0*	10.3	*	*	6.56	13.5	3.88	2.3	4.65	*	12.1	6.44	4.94	*	*
137	0*	0*	0*	0*	0*	*	*						*	*	*	*		
137/164								*	21.3								*	*
139/140	0*	0*	0*	0*	0*	*	*	*	18.2	*	*	*	*	*	*	*	*	*
141	0*	0*	0*	0*	5.45*	*	*	8.73	17.2				*	15.9	5.4	*	*	*
141/153/168										*	47	22.63*						
142	0*	0*	0*	0*	0*	*	*	*	5.94				*	*	*	*	*	*
143			0*	0*	0*					*	*	*			*	*		
144	0*	0*	0*	0*	0*	*	*	*	8.33	*	*	*	*	4.1	*	*	*	*
145	0*	0*	0*	0*	0*	*	*	*	8.35	*	*	*	*	*	*	*	*	*
146	0*	0*	0*	0*	0*	*	*			*	*	*	*	*	*	4.2	*	*
146/161								4.70	24.2									
147/149	0*	0*	3.5*	0*	38.6	0.508*	1.84	25.8	68.2					55.2	29.9	25.9*	*	5.2

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Appendix E. Reported Method Blank and Unspiked Reagent Water Sample Results for All Laboratories

PCB	Lab 1 MB	Lab 1 RW-A	Lab 2 MB1	Lab 2 MB2	Lab 2 RW-A	Lab 3 MB	Lab 3 RW-A	Lab 4 MB	Lab 4 RW-A	Lab 5 MB1	Lab 5 MB2	Lab 5 RW-A	Lab 6 MB	Lab 6 RW-A	Lab 7 MB	Lab 7 RW-A	Lab 8 MB	Lab 8 RW-A
148	0*	0*	0*	0*	0*	*	*	*	7.48	*	*	*	*	*	*	*	*	*
150	0*	0*	0*	0*	0*	*	*	*	7.10				*	*	*	*	*	*
150/152										*	*	*						
152	0*	0*	0*	0*	0*	*	*	*	7.09				*	*	*	*	*	*
153/168	0*	0*	2.71	0*	29.8	1.15	1.11	28.3	79.7					58.9	23.8	20.9	*	*
154	0*	0*	0*	0*	0*								*	*	*	*	*	*
155	0*	0*	0*	0*	0*	*	*	*	7.49	*	*	*	*	*	*	*	*	*
156/157	0*	0*	0*	0*	0*	0.854*	0.742	15.2	17.0	*	*	*	*	8.6	4.76*	3.52	*	*
158	0*	0*	0*	0*	0*	*	*	*	13.7	*	*	*	*	8.5	4	3.84*	*	*
159	0*	0*	0*	0*	0*	*	*	*	8.97	*	*	*	*	*	*	*	*	*
160			0*	0*	0*								*	*	*	*	*	*
161	0*	0*	0*	0*	0*	*	*						*	*	*	*	*	*
162	0*	0*	0*	0*	0*	*	*	*	7.60	*	*	*	*	*	*	*	*	*
164	0*	0*	0*	0*	0*	*	*						*	6.5	*	*		
165	0*	0*	0*	0*	0*	*	*	*	10.3	*	*	*	*	*	*	*	*	*
167	0*	0*	0*	0*	0*	*	*	4.62	9.26	*	*	*	*	*	*	*	*	*
169	6.83	3.45	0*	0*	0*	0.882*	*	23.3	12.1	*	*	*	*	*	*	*	*	*
170	0*	0*	0*	0*	0*	*	0.831*	2.72	14.8	43.48	51.65	*		19.3	*	*	*	*
171/173	0*	0*	0*	0*	0*	*	*	*	24.8				*	*	*	*	*	*
171/173/181										*	7.37	*						
172	0*	0*	0*	0*	0*	*	*	*	10.2	*	7.61	*	*	*	*	*	*	*
174	0*	0*	0*	0*	15	*	*							18.1	*	*	*	*
174/183/185								11.1	48.7	*	*	109.66						
175	0*	0*	0*	0*	0*	*	*	*	11.6	*	*	*	*	*	*	*	*	*
176	0*	0*	0*	0*	0*	*	*	*	8.44	7.05	7.01	*	*	*	*	*	*	*
177	0*	0*	0*	0*	0*	*	0.706*	*	16.1	35.77	29.57	*	*	*	*	*	*	*

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Appendix E. Reported Method Blank and Unspiked Reagent Water Sample Results for All Laboratories

PCB	Lab 1 MB	Lab 1 RW-A	Lab 2 MB1	Lab 2 MB2	Lab 2 RW-A	Lab 3 MB	Lab 3 RW-A	Lab 4 MB	Lab 4 RW-A	Lab 5 MB1	Lab 5 MB2	Lab 5 RW-A	Lab 6 MB	Lab 6 RW-A	Lab 7 MB	Lab 7 RW-A	Lab 8 MB	Lab 8 RW-A
178	0*	0*	0*	0*	0*	*	*	*	12.0	45.96	47.06	*	*	*	*	10.7*	*	*
179	0*	0*	0*	0*	12.5	*	*	*	16.7	32.09	22.37	13.37	*	*	*	*	*	*
180/193	0*	0*	0*	0*	20.8	0.769	0.629*	9.52	29.6	366.45	332.53	108.05		41.2	*	4.54	*	5.8
181	0*	0*	0*	0*	0*	*	*	*	7.86				*	*	*	*	*	*
182	0*	0*	0*	0*	0*	*	*	*	6.96				*	*	*	*	*	*
182/187										298.46	221.94	84.65*						
183			0*	0*	8.88								*	12.7				
183/185	0*	0*				*	*								*	*	*	*
184	0*	0*	0*	0*	0*	*	*	0.05	7.33	*	*	*	*	*	*	*	*	*
185			0*	0*	0*								*	*				
186	0*	0*	0*	0*	0*	*	*	*	12.3	*	*	*	*	*	*	*	*	*
187	0*	0*	0*	0*	19.4	0.568	*	*	25.4					17.2	*	*	*	*
188	0*	0*	0*	0*	0*	*	*	*	8.14	*	*	*	*	*	*	*	*	*
189	0*	0*	0*	0*	0*	*	*	15.0	8.26	*	*	*	*	*	*	*	*	*
190	0*	0*	0*	0*	0*	*	*	*	9.06	*	12.8	*	*	*	*	*	*	*
191	0*	0*	0*	0*	0*	*	*	*	6.92	*	*	*	*	*	*	*	*	*
192	0*	0*	0*	0*	0*	*	*	*	8.08	*	*	*	*	*	*	*	*	*
194	0*	0*	0*	0*	0*	*	*	*	11.9	344.2	332.8	75.85		*	*	*	*	*
195	0*	0*	0*	0*	0*	*	*	*	7.48	99.06	74.56	20.81*	*	*	*	*	*	*
196	0*	0*	0*	0*	0*	*	*	*	7.34				*	4.7	*	*	*	*
196/203										695.99	659.89	182.37						
197			0*	0*	0*								*	*			*	*
197/200	0*	0*				*	*	*	12.9	38.78	29.07	11.73			*	*		
198/199	0*	0*	0*	0*	0*	*	*	*	23.8	408.96	378.03	112.92	*	8.9	*	*	*	*
200			0*	0*	0*								*	*			*	*
201	0*	0*	0*	0*	0*	*	*	0.95	6.55	57.87	30.6	10.56	*	*	*	*	*	*

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Appendix E. Reported Method Blank and Unspiked Reagent Water Sample Results for All Laboratories

PCB	Lab 1 MB	Lab 1 RW-A	Lab 2 MB1	Lab 2 MB2	Lab 2 RW-A	Lab 3 MB	Lab 3 RW-A	Lab 4 MB	Lab 4 RW-A	Lab 5 MB1	Lab 5 MB2	Lab 5 RW-A	Lab 6 MB	Lab 6 RW-A	Lab 7 MB	Lab 7 RW-A	Lab 8 MB	Lab 8 RW-A
202	0*	0*	0*	0*	0*	*	*	*	9.16	*	28.67	11.31	*	*	*	*	*	*
203	0*	0*	0*	0*	0*	*	*	*	11.8					4.5	*	*	*	*
204	0*	0*	0*	0*	0*	*	*	*	6.83	*	11.01	*	*	*	*	*	*	*
205	0*	0*	0*	0*	0*	*	*	19.4	10.7	14.71	14.78	*	*	*	*	*	*	*
206	0*	0*	0*	0*	0*	*	*	26.6	18.3	356.13	358.59	101.55		8.4	*	*	*	*
207	0*	0*	0*	0*	0*	*	*	*	7.36	33.38	33.17	11.6	*	*	*	*	*	*
208	0*	0*	0*	0*	0*	*	*	*	8.37	42.53	43.03	14.28	*	*	*	*	*	*
209	0*	0*	0*	0*	0*	0.721*	0.864*	25.7	11.0	11.81	13.96	8.32	*	*	*	*	*	*

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F

REAGENT WATER MEAN AND VARIANCE MODELS

Appendix F. Reagent Water Mean and Variance Models by PCB

PCB	ASTM D2777-03 criteria met?	Mean recovery model	Between lab variance model	Within lab variance model	Degrees of freedom	Likelihood ratio test R-squared	95% confidence interval for the intercept
1	Y	3.37+1.04T	(10.82)**2+(0.08T)**2	(-2.09+0.10T)**2	6	0.9980	(-6.75, 13.48)
2	Y	-1.53+1.14T	(3.35)**2+(0.21T)**2	(-0.19+0.07T)**2	6	0.9990	(-5.60, 2.55)
3	Y	0.41+1.04T	(9.13)**2+(-0.13T)**2	(1.42+0.06T)**2	6	0.9988	(-8.51, 9.33)
4	Y	3.77+1.06T	(0.11)**2+(0.06T)**2	(1.26-0.19T)**2	6	0.9925	(-7.39, 14.94)
5	Y	-0.23+0.91T	(0.00)**2+(0.13T)**2	(-3.13+0.12T)**2	4	0.9953	(-2.17, 1.70)
6	Y	2.01+1.00T	(0.17)**2+(0.16T)**2	(1.24+0.08T)**2	6	0.9977	(-1.83, 5.85)
7	Y	3.61+0.84T	(0.22)**2+(0.14T)**2	(-3.51-0.12T)**2	6	0.9904	(-4.33, 11.55)
8	Y	2.03+0.94T	(0.08)**2+(0.16T)**2	(0.06-0.05T)**2	4	0.9990	(-3.37, 7.42)
9	Y	1.95+0.97T	(4.76)**2+(-0.15T)**2	(-4.23+0.10T)**2	6	0.9975	(-3.27, 7.16)
10	Y	0.18+0.86T	(3.21)**2+(0.11T)**2	(-0.10+0.12T)**2	6	0.9947	(-4.24, 4.60)
11	Y	52.81+0.96T	(114.93)**2+(0.13T)**2	(6.58+0.10T)**2	6	0.9928	(-47.16, 152.78)
12/ 13	Y	-0.12+0.87T	(0.02)**2+(0.15T)**2	(-0.61+0.10T)**2	6	0.9968	(-5.74, 5.50)
14	Y	-2.30+0.92T	(3.10)**2+(0.16T)**2	(-0.09+0.10T)**2	6	0.9963	(-6.52, 1.92)
15	Y	4.73+0.95T	(17.40)**2+(-0.12T)**2	(-2.17-0.05T)**2	6	0.9980	(-11.38, 20.83)
16	N	0.55+1.20T	(0.18)**2+(0.10T)**2	(5.50+0.08T)**2	3	0.9986	(-9.13, 10.23)
17	Y	8.15+0.91T	(10.79)**2+(0.15T)**2	(2.52+0.05T)**2	6	0.9985	(-1.69, 17.99)
18/ 30	Y	16.40+0.81T	(29.80)**2+(-0.16T)**2	(18.57-0.06T)**2	6	0.9985	(-10.38, 43.17)
19	Y	3.41+1.11T	(4.56)**2+(0.13T)**2	(-0.94+0.11T)**2	6	0.9977	(-1.56, 8.39)
20/ 28	Y	0.88+0.90T	(3.28)**2+(0.10T)**2	(7.18+0.03T)**2	4	0.9994	(-8.70, 10.46)
21/ 33	Y	-0.53+0.91T	(-0.00)**2+(0.10T)**2	(-3.80-0.05T)**2	4	0.9991	(-8.23, 7.17)
22	Y	2.92+0.99T	(5.57)**2+(0.15T)**2	(4.53+0.04T)**2	6	0.9990	(-3.76, 9.60)
23	Y	-1.90+0.84T	(0.00)**2+(0.15T)**2	(-1.26-0.04T)**2	5	0.9989	(-4.57, 0.76)
24	N	-0.46+0.89T	(-0.00)**2+(0.09T)**2	(2.42+0.07T)**2	3	0.9983	(-5.78, 4.85)
25	Y	-2.53+0.90T	(2.69)**2+(-0.13T)**2	(-1.31-0.04T)**2	6	0.9992	(-6.36, 1.30)
26/ 29	Y	0.61+0.87T	(2.12)**2+(0.17T)**2	(0.38-0.05T)**2	6	0.9991	(-2.36, 3.58)
27	Y	0.65+1.04T	(0.00)**2+(-0.16T)**2	(-1.52+0.09T)**2	4	0.9986	(-0.39, 1.68)
31	Y	3.29+0.88T	(14.90)**2+(0.16T)**2	(-21.88+0.07T)**2	6	0.9982	(-11.47, 18.06)
32	Y	4.58+0.91T	(4.38)**2+(0.16T)**2	(1.46+0.05T)**2	6	0.9990	(0.27, 8.88)

Appendix F. Reagent Water Mean and Variance Models by PCB

PCB	ASTM D2777-03 criteria met?	Mean recovery model	Between lab variance model	Within lab variance model	Degrees of freedom	Likelihood ratio test R-squared	95% confidence interval for the intercept
34	Y	-1.54+0.86T	(0.00)**2+(0.17T)**2	(-0.03-0.05T)**2	5	0.9991	(-2.88, -0.19)
35	Y	-3.50+0.88T	(1.49)**2+(-0.15T)**2	(-0.69+0.07T)**2	6	0.9985	(-5.58, -1.42)
36	Y	-3.36+0.77T	(1.39)**2+(0.12T)**2	(-0.61-0.05T)**2	6	0.9986	(-6.05, -0.67)
37	Y	-0.34+0.84T	(1.60)**2+(0.11T)**2	(-2.37-0.05T)**2	6	0.9988	(-4.32, 3.64)
38	Y	-3.14+0.82T	(0.19)**2+(0.13T)**2	(-0.12+0.08T)**2	6	0.9979	(-5.23, -1.05)
39	Y	-0.83+0.78T	(2.59)**2+(0.13T)**2	(1.19-0.06T)**2	6	0.9986	(-3.42, 1.76)
40/ 41/ 71	Y	-1.15+0.98T	(0.21)**2+(0.10T)**2	(3.69+0.09T)**2	4	0.9979	(-14.57, 12.28)
42	Y	1.74+0.95T	(0.15)**2+(0.10T)**2	(-1.04-0.06T)**2	5	0.9986	(-0.73, 4.21)
43	Y	-1.77+0.96T	(-0.00)**2+(0.10T)**2	(0.72+0.10T)**2	4	0.9969	(-6.27, 2.73)
44/ 47/ 65	Y	17.55+0.87T	(11.75)**2+(-0.09T)**2	(2.59+0.06T)**2	6	0.9988	(5.60, 29.49)
45/ 51	Y	5.52+0.91T	(4.45)**2+(0.15T)**2	(4.37-0.07T)**2	5	0.9990	(0.98, 10.06)
46	Y	0.90+0.91T	(0.00)**2+(0.11T)**2	(0.33-0.08T)**2	6	0.9984	(-0.70, 2.50)
48	Y	0.99+0.89T	(0.00)**2+(0.11T)**2	(-0.22-0.07T)**2	6	0.9983	(-0.95, 2.94)
49/ 69	Y	9.85+0.85T	(7.08)**2+(0.12T)**2	(6.41-0.14T)**2	6	0.9951	(3.45, 16.24)
50/ 53	Y	2.92+0.93T	(1.52)**2+(0.15T)**2	(2.72-0.07T)**2	6	0.9990	(0.82, 5.03)
52	Y	19.02+0.99T	(19.81)**2+(-0.13T)**2	(9.41+0.07T)**2	4	0.9977	(-6.77, 44.80)
54	Y	-0.52+0.96T	(0.07)**2+(0.07T)**2	(-0.87+0.08T)**2	6	0.9987	(-1.99, 0.95)
55	Y	-2.22+0.85T	(1.44)**2+(0.15T)**2	(0.24-0.04T)**2	5	0.9993	(-4.13, -0.31)
56	Y	-0.53+0.96T	(1.03)**2+(0.14T)**2	(-2.54-0.04T)**2	5	0.9992	(-4.78, 3.73)
57	Y	-1.52+0.88T	(-0.00)**2+(0.27T)**2	(0.09-0.05T)**2	6	0.9991	(-2.64, -0.39)
58	Y	-1.72+0.82T	(1.05)**2+(0.15T)**2	(0.26-0.04T)**2	5	0.9993	(-3.53, 0.09)
59/ 62/ 75	Y	-6.05+0.84T	(6.52)**2+(0.12T)**2	(-2.59-0.05T)**2	5	0.9989	(-15.76, 3.66)
60	Y	-1.27+0.84T	(0.00)**2+(0.13T)**2	(-1.42-0.04T)**2	5	0.9990	(-3.95, 1.41)
61/ 70/ 74/ 76	Y	0.81+0.89T	(0.32)**2+(0.20T)**2	(14.71+0.04T)**2	6	0.9990	(-14.80, 16.43)
63	Y	-3.75+0.82T	(0.00)**2+(0.19T)**2	(-1.98-0.04T)**2	6	0.9990	(-6.19, -1.31)
64	Y	4.48+0.87T	(1.63)**2+(0.10T)**2	(4.27+0.07T)**2	6	0.9978	(0.07, 8.89)
66	Y	3.57+0.81T	(5.07)**2+(0.14T)**2	(1.57+0.05T)**2	5	0.9988	(-2.30, 9.45)
67	Y	-3.80+0.80T	(0.00)**2+(0.12T)**2	(-0.14-0.04T)**2	5	0.9993	(-5.84, -1.76)

Appendix F. Reagent Water Mean and Variance Models by PCB

PCB	ASTM D2777-03 criteria met?	Mean recovery model	Between lab variance model	Within lab variance model	Degrees of freedom	Likelihood ratio test R-squared	95% confidence interval for the intercept
68	Y	-4.22+0.79T	(0.95)**2+(0.18T)**2	(-2.39-0.04T)**2	6	0.9987	(-7.55, -0.89)
72	Y	-4.78+0.85T	(2.06)**2+(0.22T)**2	(-1.93-0.04T)**2	6	0.9991	(-8.11, -1.45)
73	Y	0.63+0.88T	(1.21)**2+(0.13T)**2	(0.39-0.07T)**2	4	0.9983	(-1.98, 3.25)
77	Y	-1.22+0.83T	(2.11)**2+(0.09T)**2	(-1.35-0.04T)**2	6	0.9990	(-3.90, 1.46)
78	Y	-2.71+0.85T	(0.00)**2+(0.13T)**2	(-0.41-0.05T)**2	6	0.9990	(-4.46, -0.96)
79	Y	-2.53+0.83T	(0.00)**2+(0.12T)**2	(-1.34-0.05T)**2	6	0.9990	(-5.00, -0.06)
80	Y	-2.01+0.73T	(0.00)**2+(0.13T)**2	(0.90-0.05T)**2	6	0.9987	(-2.82, -1.21)
81	Y	-2.77+0.82T	(-0.00)**2+(0.09T)**2	(-1.20-0.05T)**2	6	0.9989	(-5.10, -0.44)
82	Y	8.29+0.91T	(16.42)**2+(0.17T)**2	(-1.82+0.09T)**2	6	0.9975	(-6.05, 22.64)
83	N	-1.38+1.07T	(0.00)**2+(-0.13T)**2	(0.65+0.08T)**2	1	0.9984	(-19.79, 17.04)
83/ 99	N	-2.75+0.83T	(-0.02)**2+(-0.05T)**2	(-5.01-0.04T)**2	1	0.9993	(-57.98, 52.48)
84	Y	8.19+0.92T	(11.16)**2+(0.11T)**2	(-0.82-0.05T)**2	6	0.9986	(-1.67, 18.05)
85/116/117	Y	8.04+0.88T	(11.81)**2+(0.32T)**2	(-4.78+0.10T)**2	5	0.9970	(-4.29, 20.37)
86/ 87/ 97/108/119/125	N	2.75+0.87T	(18.30)**2+(0.10T)**2	(7.59-0.05T)**2	3	0.9992	(-23.62, 29.12)
86/ 87/ 97/109/119/125	N	8.61+0.85T	(0.38)**2+(0.11T)**2	(-13.36-0.05T)**2	1	0.9989	(-134.8, 152.01)
88/ 91	Y	3.02+0.89T	(0.12)**2+(0.11T)**2	(-0.72-0.06T)**2	5	0.9987	(-1.04, 7.07)
89	Y	-0.63+0.94T	(1.43)**2+(-0.10T)**2	(2.64-0.06T)**2	6	0.9991	(-2.32, 1.07)
90/101/113	Y	21.95+0.80T	(23.11)**2+(0.09T)**2	(-6.74-0.04T)**2	6	0.9989	(0.54, 43.36)
92	Y	4.72+0.89T	(4.47)**2+(0.12T)**2	(0.72+0.06T)**2	6	0.9986	(0.49, 8.94)
93/ 98/100/102	N	-5.33+0.80T	(0.11)**2+(-0.01T)**2	(-4.15+0.09T)**2	2	0.9982	(-20.22, 9.56)
93/100	N	-9.19+0.99T	(1.28)**2+(0.05T)**2	(-1.18+0.07T)**2	1	0.9988	(-32.84, 14.46)
94	Y	-0.92+0.91T	(2.52)**2+(0.12T)**2	(0.21-0.05T)**2	6	0.9990	(-3.60, 1.77)
95	Y	35.60+1.05T	(24.70)**2+(0.34T)**2	(21.33-0.25T)**2	5	0.9902	(10.09, 61.12)
96	Y	0.37+0.90T	(2.17)**2+(0.20T)**2	(-1.41+0.09T)**2	6	0.9980	(-1.94, 2.68)
99	N	7.72+0.92T	(7.82)**2+(0.05T)**2	(0.72-0.10T)**2	1	0.9970	(-54.18, 69.63)
103	Y	-2.50+0.90T	(-0.00)**2+(0.17T)**2	(-1.16-0.06T)**2	6	0.9988	(-4.79, -0.21)
104	Y	-1.34+0.98T	(2.90)**2+(0.08T)**2	(-1.63+0.08T)**2	6	0.9986	(-3.93, 1.24)
105	Y	2.62+0.83T	(7.20)**2+(0.08T)**2	(3.04+0.05T)**2	6	0.9984	(-4.69, 9.94)

Appendix F. Reagent Water Mean and Variance Models by PCB

PCB	ASTM D2777-03 criteria met?	Mean recovery model	Between lab variance model	Within lab variance model	Degrees of freedom	Likelihood ratio test R-squared	95% confidence interval for the intercept
106	Y	-3.17+0.83T	(-0.00)**2+(-0.08T)**2	(1.47+0.06T)**2	5	0.9985	(-6.06, -0.28)
107/124	N	-5.88+0.91T	(4.37)**2+(0.08T)**2	(-1.48+0.06T)**2	3	0.9989	(-13.60, 1.84)
108/124	N	-6.11+0.70T	(0.15)**2+(0.16T)**2	(1.20-0.05T)**2	1	0.9986	(-25.48, 13.27)
109	N	-1.29+0.86T	(1.50)**2+(0.09T)**2	(1.24-0.06T)**2	2	0.9990	(-4.88, 2.30)
110/115	Y	30.90+1.06T	(33.86)**2+(0.48T)**2	(-2.87-0.10T)**2	5	0.9971	(-3.25, 65.05)
111	Y	-0.72+0.73T	(1.01)**2+(0.11T)**2	(2.12-0.07T)**2	6	0.9980	(-1.98, 0.53)
112	Y	-5.91+0.90T	(-0.00)**2+(-0.13T)**2	(5.54+0.05T)**2	4	0.9984	(-14.85, 3.03)
114	Y	-0.90+0.74T	(1.62)**2+(0.09T)**2	(-0.88-0.04T)**2	5	0.9989	(-3.50, 1.69)
118	Y	9.33+0.74T	(14.75)**2+(-0.07T)**2	(-6.25-0.04T)**2	6	0.9982	(-5.22, 23.87)
120	Y	-2.71+0.75T	(1.43)**2+(0.10T)**2	(2.33-0.05T)**2	6	0.9989	(-4.66, -0.76)
121	Y	-1.72+0.78T	(0.00)**2+(0.09T)**2	(-0.37-0.05T)**2	5	0.9990	(-3.49, 0.05)
122	Y	-0.11+0.85T	(0.00)**2+(0.13T)**2	(-0.50-0.05T)**2	5	0.9989	(-2.63, 2.41)
123	Y	-0.00+0.72T	(0.00)**2+(-0.09T)**2	(-0.61-0.06T)**2	4	0.9975	(-2.61, 2.60)
126	Y	-1.98+0.85T	(2.91)**2+(0.07T)**2	(-0.60-0.05T)**2	6	0.9989	(-5.26, 1.29)
127	Y	-2.01+0.82T	(1.23)**2+(0.11T)**2	(0.37-0.07T)**2	6	0.9984	(-3.97, -0.05)
128/166	Y	-2.26+0.84T	(6.61)**2+(0.10T)**2	(0.08+0.06T)**2	6	0.9987	(-8.81, 4.30)
129/138/160/163	N	3.77+0.82T	(0.24)**2+(0.02T)**2	(6.38+0.07T)**2	2	0.9986	(-25.91, 33.45)
129/138/163	N	27.05+0.86T	(29.48)**2+(-0.15T)**2	(-6.20-0.03T)**2	2	0.9991	(-38.30, 92.40)
130	Y	-0.14+0.85T	(-0.00)**2+(0.10T)**2	(0.58-0.05T)**2	5	0.9992	(-1.17, 0.88)
131	Y	0.20+0.87T	(2.03)**2+(0.09T)**2	(1.13-0.05T)**2	4	0.9992	(-2.25, 2.65)
132	Y	9.21+0.90T	(9.31)**2+(-0.10T)**2	(-0.13-0.07T)**2	6	0.9976	(0.78, 17.64)
133	Y	-1.61+0.80T	(5.82)**2+(-0.09T)**2	(-2.71+0.08T)**2	6	0.9974	(-6.79, 3.56)
134/143	N	-0.35+0.85T	(-0.00)**2+(0.08T)**2	(5.65-0.08T)**2	3	0.9987	(-3.81, 3.11)
135/151	N	10.76+0.96T	(4.09)**2+(-0.11T)**2	(4.79+0.05T)**2	3	0.9986	(-2.10, 23.61)
135/151/154	N	1.87+0.75T	(0.01)**2+(-0.10T)**2	(-7.96+0.12T)**2	1	0.9965	(-28.57, 32.31)
136	Y	1.61+0.95T	(1.63)**2+(0.16T)**2	(0.36+0.07T)**2	6	0.9986	(-0.60, 3.82)
137	N	-1.46+0.78T	(-0.00)**2+(0.20T)**2	(-0.46-0.07T)**2	3	0.9974	(-4.61, 1.68)
139/140	Y	-4.70+0.78T	(4.00)**2+(-0.09T)**2	(1.19-0.06T)**2	6	0.9987	(-8.72, -0.68)

Appendix F. Reagent Water Mean and Variance Models by PCB

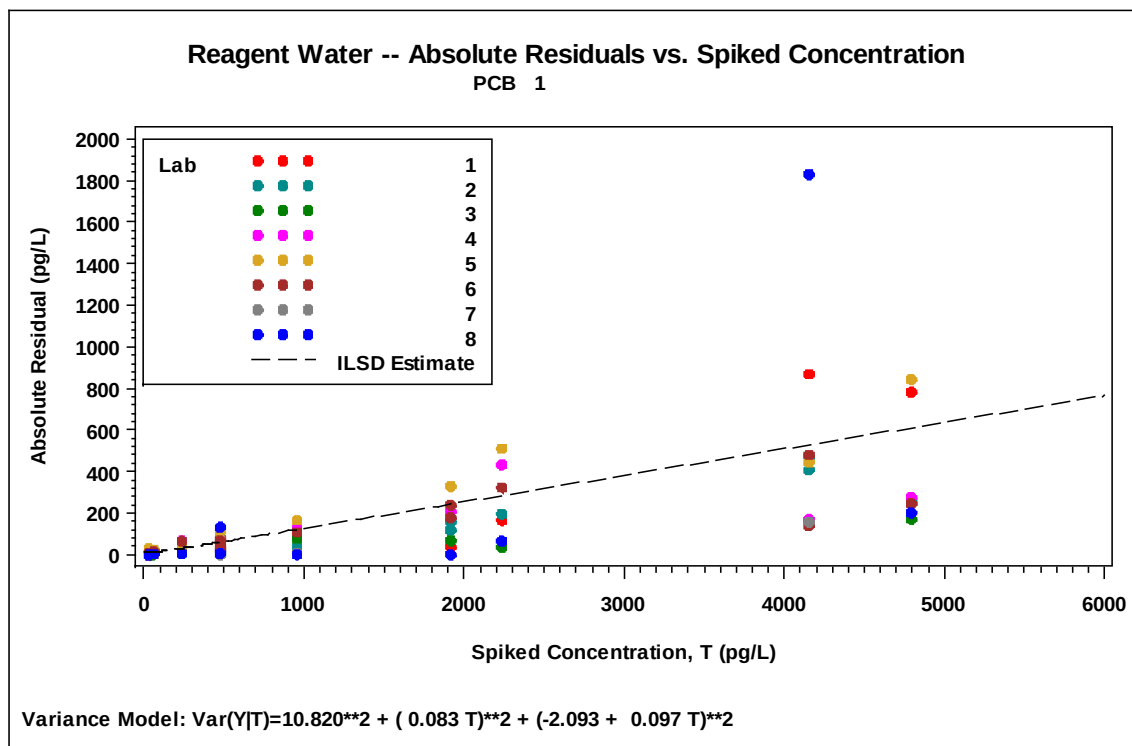
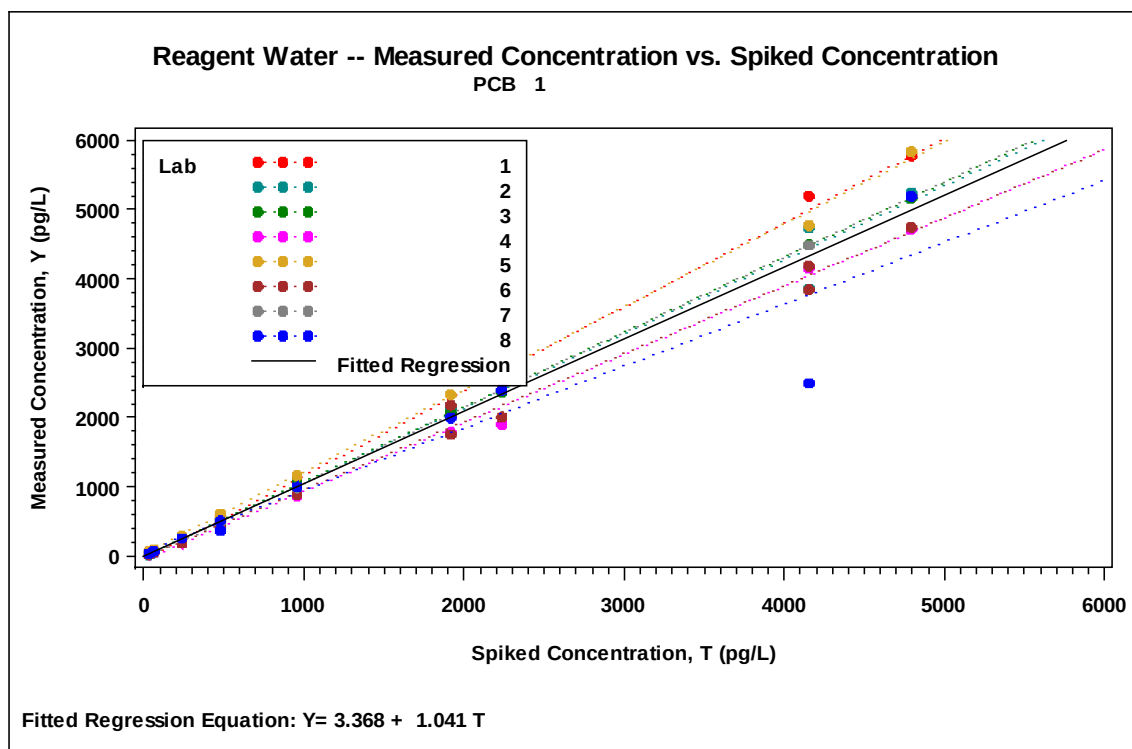
PCB	ASTM D2777-03 criteria met?	Mean recovery model	Between lab variance model	Within lab variance model	Degrees of freedom	Likelihood ratio test R-squared	95% confidence interval for the intercept
141	Y	1.58+0.78T	(2.92)**2+(0.08T)**2	(-0.07-0.05T)**2	5	0.9987	(-1.76, 4.93)
142	Y	-1.87+0.86T	(-0.00)**2+(0.10T)**2	(-0.84-0.05T)**2	5	0.9990	(-3.78, 0.05)
143	N	-6.05+0.95T	(3.26)**2+(-0.00T)**2	(-4.97+0.13T)**2	1	0.9974	(-36.80, 24.69)
144	Y	-2.73+1.08T	(5.53)**2+(0.58T)**2	(-3.28-0.15T)**2	6	0.9955	(-10.17, 4.72)
145	Y	-1.74+0.85T	(0.60)**2+(0.16T)**2	(0.01-0.06T)**2	6	0.9988	(-3.18, -0.30)
146	Y	0.66+0.85T	(2.48)**2+(-0.13T)**2	(-0.92-0.05T)**2	4	0.9989	(-3.31, 4.62)
147/149	Y	13.94+0.84T	(17.39)**2+(-0.12T)**2	(-3.34-0.08T)**2	5	0.9969	(-4.47, 32.35)
148	Y	-1.24+0.79T	(0.92)**2+(0.13T)**2	(-0.56-0.06T)**2	6	0.9985	(-3.43, 0.95)
150	Y	-1.68+0.87T	(1.40)**2+(0.14T)**2	(0.64-0.06T)**2	5	0.9989	(-3.50, 0.13)
152	Y	-0.65+0.92T	(0.18)**2+(0.16T)**2	(-1.09-0.06T)**2	5	0.9986	(-3.37, 2.08)
153/168	Y	8.26+0.72T	(18.44)**2+(-0.08T)**2	(6.53+0.05T)**2	5	0.9986	(-12.86, 29.38)
154	N	-1.34+0.77T	(-0.00)**2+(0.11T)**2	(0.41-0.06T)**2	3	0.9989	(-3.27, 0.59)
155	Y	-2.20+0.83T	(1.20)**2+(0.10T)**2	(1.53-0.07T)**2	6	0.9987	(-3.52, -0.88)
156/157	Y	-0.76+0.76T	(5.66)**2+(0.10T)**2	(-1.17-0.04T)**2	6	0.9991	(-6.55, 5.03)
158	Y	0.75+0.81T	(2.81)**2+(0.11T)**2	(-0.76-0.05T)**2	6	0.9986	(-2.15, 3.65)
159	Y	-5.45+0.87T	(5.23)**2+(-0.22T)**2	(3.43+0.07T)**2	6	0.9977	(-11.86, 0.96)
160	N	-0.65+0.82T	(0.00)**2+(0.15T)**2	(-3.09+0.13T)**2	2	0.9951	(-4.23, 2.93)
161	Y	-1.12+0.76T	(0.00)**2+(0.10T)**2	(-0.87-0.05T)**2	4	0.9983	(-4.06, 1.82)
162	Y	-2.58+0.81T	(3.45)**2+(0.17T)**2	(1.51+0.06T)**2	6	0.9982	(-6.79, 1.62)
164	N	0.43+0.80T	(0.00)**2+(-0.07T)**2	(-2.60-0.05T)**2	3	0.9986	(-4.55, 5.40)
165	Y	-2.58+0.80T	(1.27)**2+(-0.09T)**2	(-0.60+0.08T)**2	6	0.9979	(-4.84, -0.32)
167	Y	-1.75+0.77T	(3.06)**2+(0.09T)**2	(-1.13-0.06T)**2	6	0.9982	(-5.37, 1.87)
169	Y	-0.44+0.88T	(1.53)**2+(0.09T)**2	(-1.32-0.05T)**2	6	0.9988	(-3.14, 2.25)
170	Y	3.27+0.79T	(7.26)**2+(0.12T)**2	(2.24+0.05T)**2	6	0.9981	(-3.74, 10.27)
171/173	Y	0.36+0.81T	(1.13)**2+(-0.08T)**2	(2.69-0.06T)**2	5	0.9990	(-1.65, 2.37)
172	Y	0.33+0.81T	(1.95)**2+(0.12T)**2	(1.58-0.08T)**2	6	0.9979	(-1.62, 2.28)
174	Y	3.12+0.93T	(5.90)**2+(0.10T)**2	(1.40+0.06T)**2	4	0.9985	(-4.66, 10.89)
175	Y	-0.74+1.11T	(0.01)**2+(0.81T)**2	(0.92+0.11T)**2	6	0.9984	(-4.32, 2.84)

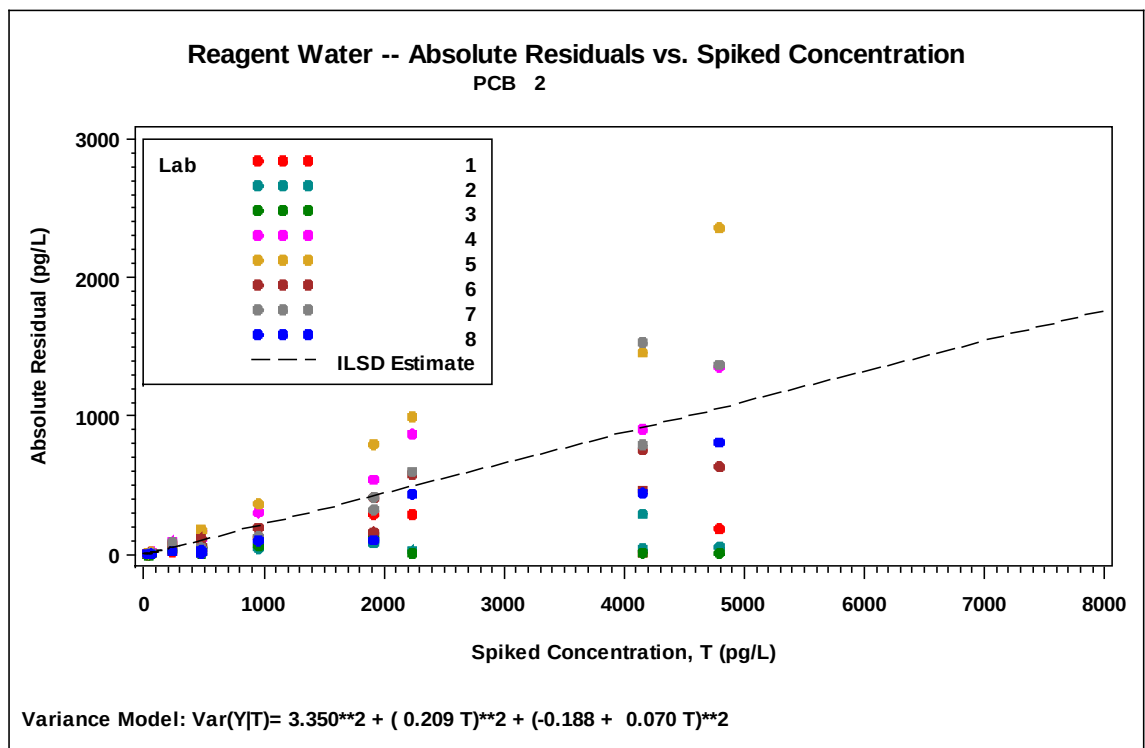
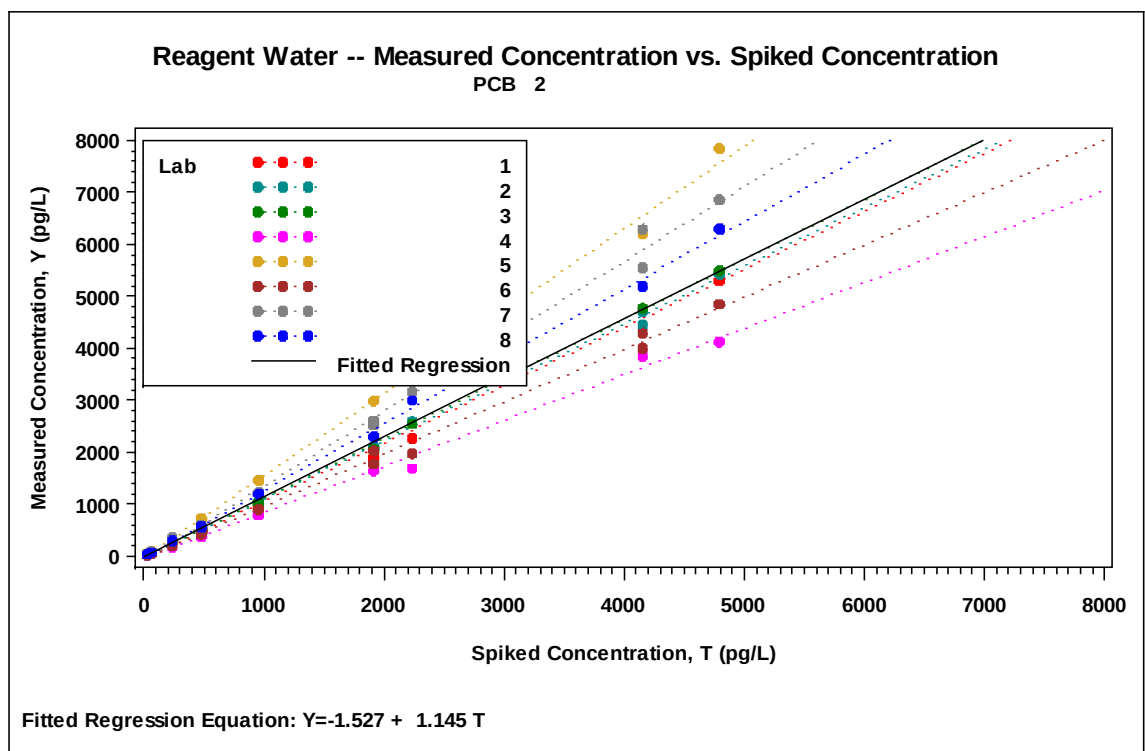
Appendix F. Reagent Water Mean and Variance Models by PCB

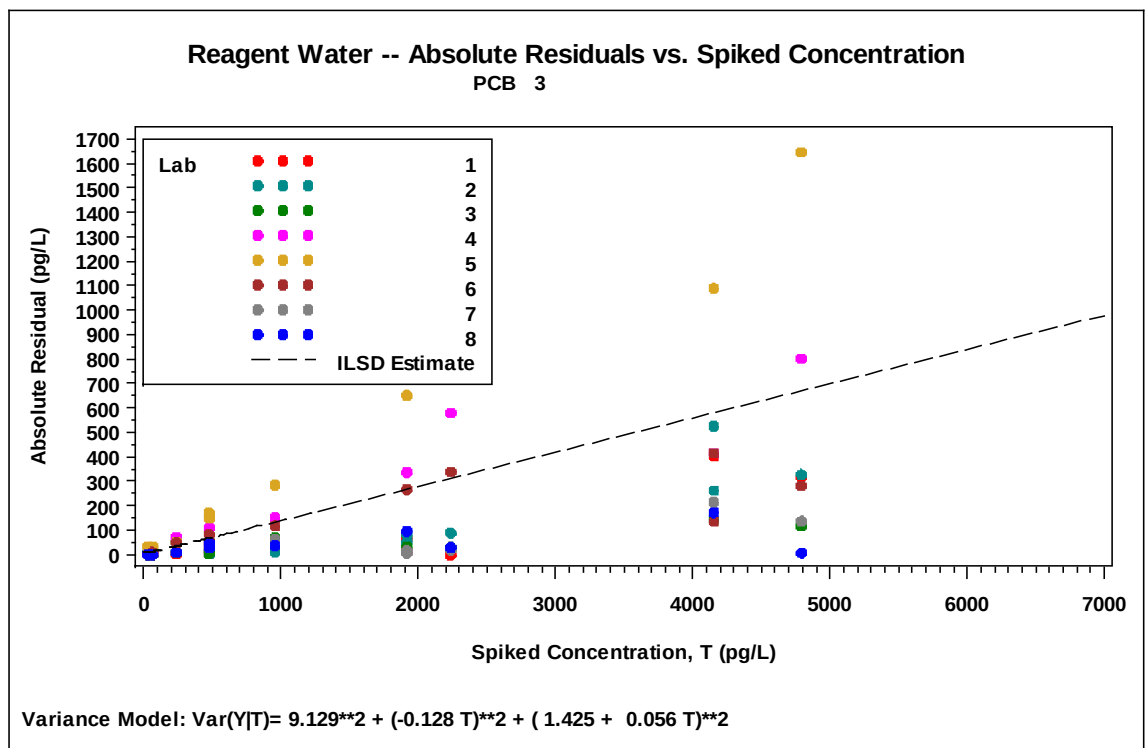
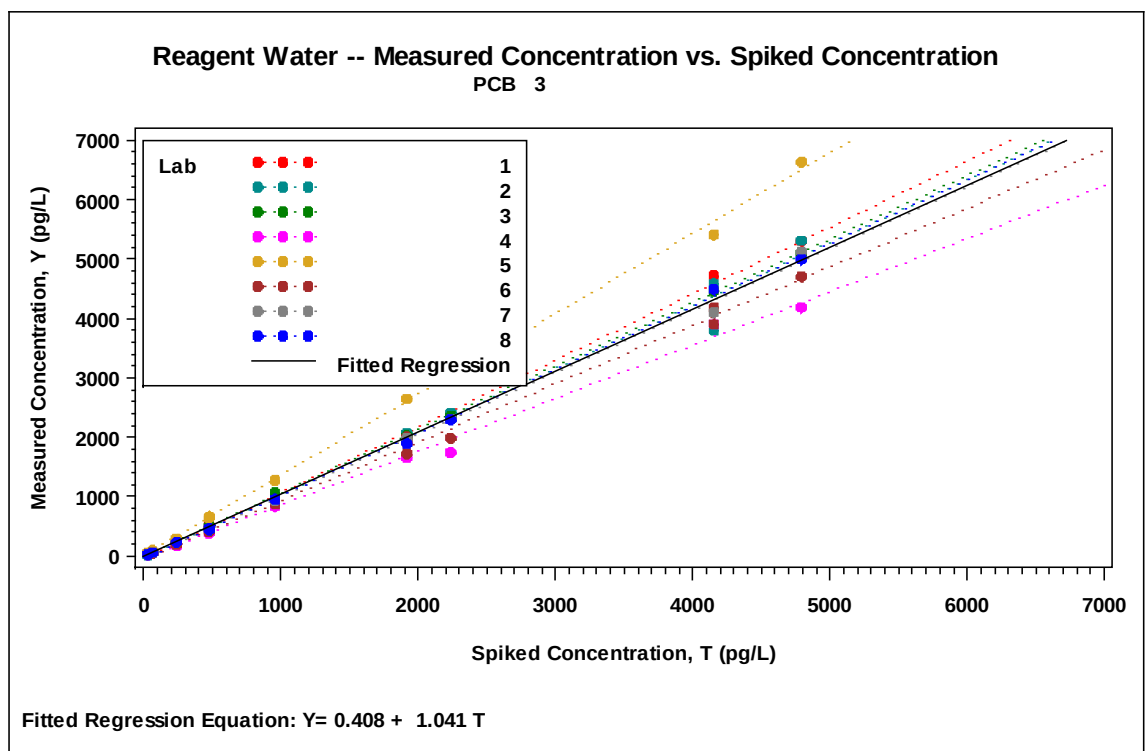
PCB	ASTM D2777-03 criteria met?	Mean recovery model	Between lab variance model	Within lab variance model	Degrees of freedom	Likelihood ratio test R-squared	95% confidence interval for the intercept
176	Y	-0.14+0.90T	(0.11)**2+(0.19T)**2	(-0.28-0.07T)**2	6	0.9985	(-1.80, 1.53)
177	Y	-0.87+0.91T	(0.09)**2+(0.12T)**2	(-3.20-0.06T)**2	6	0.9985	(-4.97, 3.24)
178	Y	0.73+1.20T	(-0.00)**2+(0.96T)**2	(9.19+0.10T)**2	6	0.9979	(-7.88, 9.33)
179	Y	2.54+0.96T	(-0.00)**2+(0.12T)**2	(2.50+0.06T)**2	6	0.9988	(-0.91, 5.98)
180/193	Y	9.10+0.83T	(12.43)**2+(0.10T)**2	(4.93+0.05T)**2	6	0.9985	(-3.35, 21.55)
181	Y	-0.86+0.73T	(-0.00)**2+(0.09T)**2	(-0.11-0.06T)**2	5	0.9986	(-2.30, 0.58)
182	Y	0.02+0.76T	(1.67)**2+(-0.09T)**2	(0.21-0.07T)**2	5	0.9982	(-2.39, 2.42)
183/185	N	-1.34+0.79T	(-0.00)**2+(0.06T)**2	(0.89-0.07T)**2	2	0.9984	(-7.70, 5.03)
184	Y	-1.37+0.68T	(1.16)**2+(0.10T)**2	(-0.15-0.06T)**2	6	0.9981	(-3.42, 0.68)
186	Y	-3.25+0.96T	(1.54)**2+(-0.23T)**2	(1.73+0.07T)**2	6	0.9983	(-7.06, 0.56)
187	Y	5.93+0.82T	(7.06)**2+(-0.10T)**2	(0.21+0.07T)**2	5	0.9978	(-1.63, 13.49)
188	Y	-1.85+0.76T	(-0.00)**2+(0.08T)**2	(-1.12-0.05T)**2	6	0.9986	(-4.18, 0.49)
189	Y	-0.53+0.82T	(2.20)**2+(0.08T)**2	(-1.03-0.06T)**2	6	0.9984	(-3.56, 2.50)
190	Y	-0.28+0.85T	(2.34)**2+(-0.14T)**2	(1.17+0.06T)**2	6	0.9986	(-3.18, 2.63)
191	Y	-0.29+0.84T	(1.25)**2+(-0.11T)**2	(-0.05-0.06T)**2	6	0.9986	(-2.01, 1.43)
192	Y	-1.06+0.80T	(0.00)**2+(0.12T)**2	(-0.62-0.06T)**2	6	0.9985	(-3.26, 1.14)
194	Y	5.72+0.83T	(7.23)**2+(-0.14T)**2	(-7.39-0.05T)**2	6	0.9982	(-2.96, 14.41)
195	Y	-0.83+0.81T	(0.17)**2+(0.16T)**2	(-2.48-0.06T)**2	6	0.9983	(-4.55, 2.90)
196	Y	0.66+0.76T	(1.48)**2+(0.11T)**2	(0.37-0.07T)**2	5	0.9980	(-1.53, 2.86)
197	N	-2.75+0.57T	(0.00)**2+(-0.07T)**2	(0.77-0.07T)**2	1	0.9953	(-17.81, 12.31)
197/200	N	-3.11+0.75T	(0.02)**2+(0.08T)**2	(4.91+0.06T)**2	3	0.9982	(-14.41, 8.18)
198/199	Y	0.88+0.81T	(0.46)**2+(-0.11T)**2	(-18.71-0.05T)**2	6	0.9977	(-13.81, 15.56)
200	N	2.64+0.83T	(0.79)**2+(0.17T)**2	(-0.40+0.08T)**2	1	0.9981	(-14.55, 19.83)
201	Y	-1.16+0.75T	(-0.00)**2+(-0.16T)**2	(3.77+0.05T)**2	6	0.9980	(-5.19, 2.86)
202	Y	-0.30+0.70T	(2.04)**2+(-0.08T)**2	(0.89-0.05T)**2	6	0.9989	(-2.29, 1.68)
203	Y	1.37+0.78T	(3.55)**2+(-0.11T)**2	(0.65+0.08T)**2	5	0.9976	(-3.43, 6.17)
204	Y	-1.81+0.67T	(2.46)**2+(-0.13T)**2	(1.64+0.07T)**2	6	0.9967	(-6.03, 2.42)
205	Y	-2.15+0.82T	(1.02)**2+(0.09T)**2	(-3.17-0.04T)**2	6	0.9988	(-6.14, 1.84)

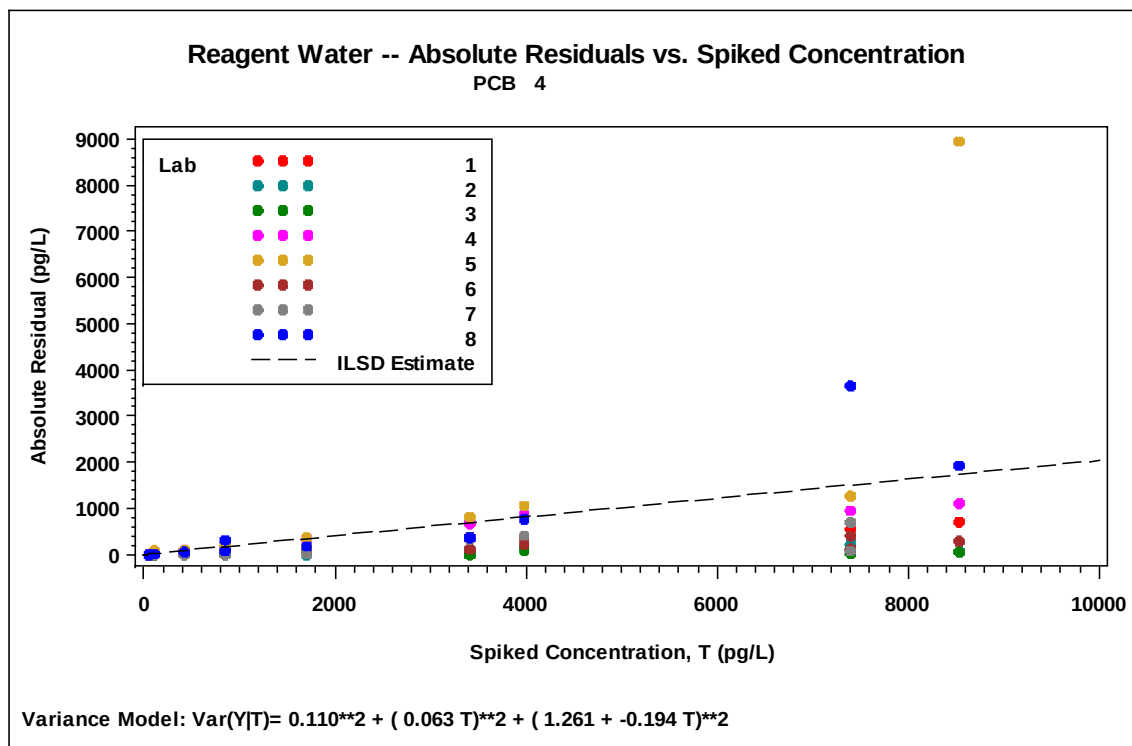
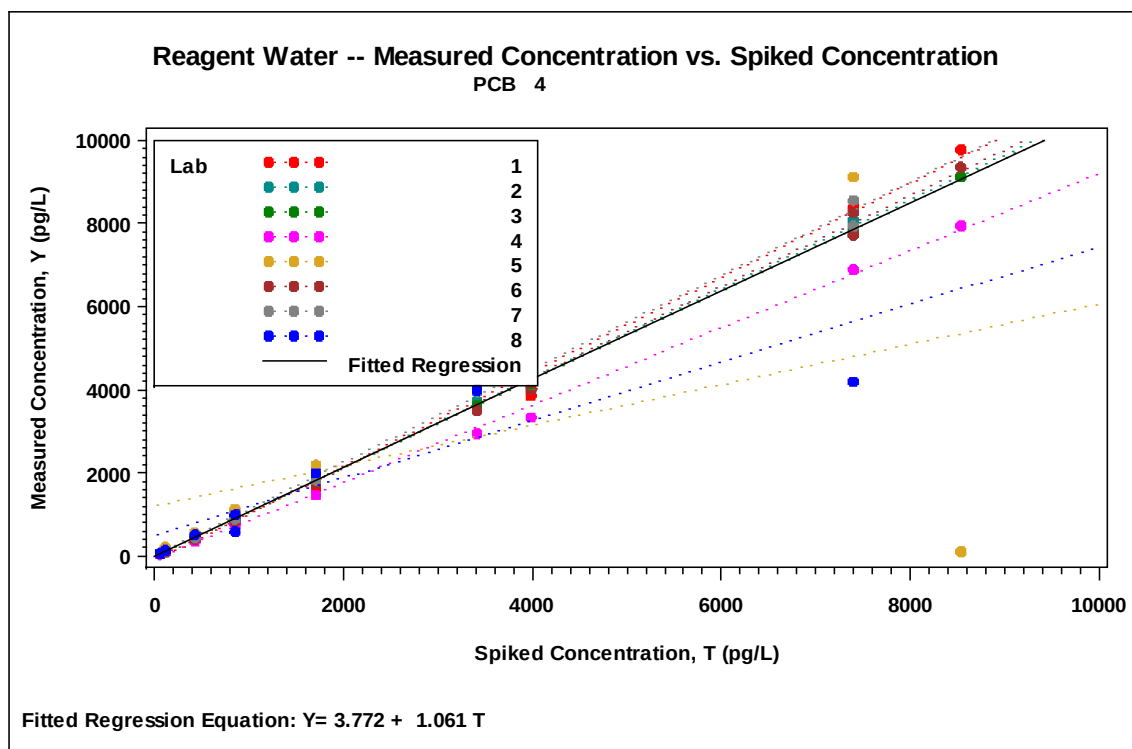
Appendix F. Reagent Water Mean and Variance Models by PCB

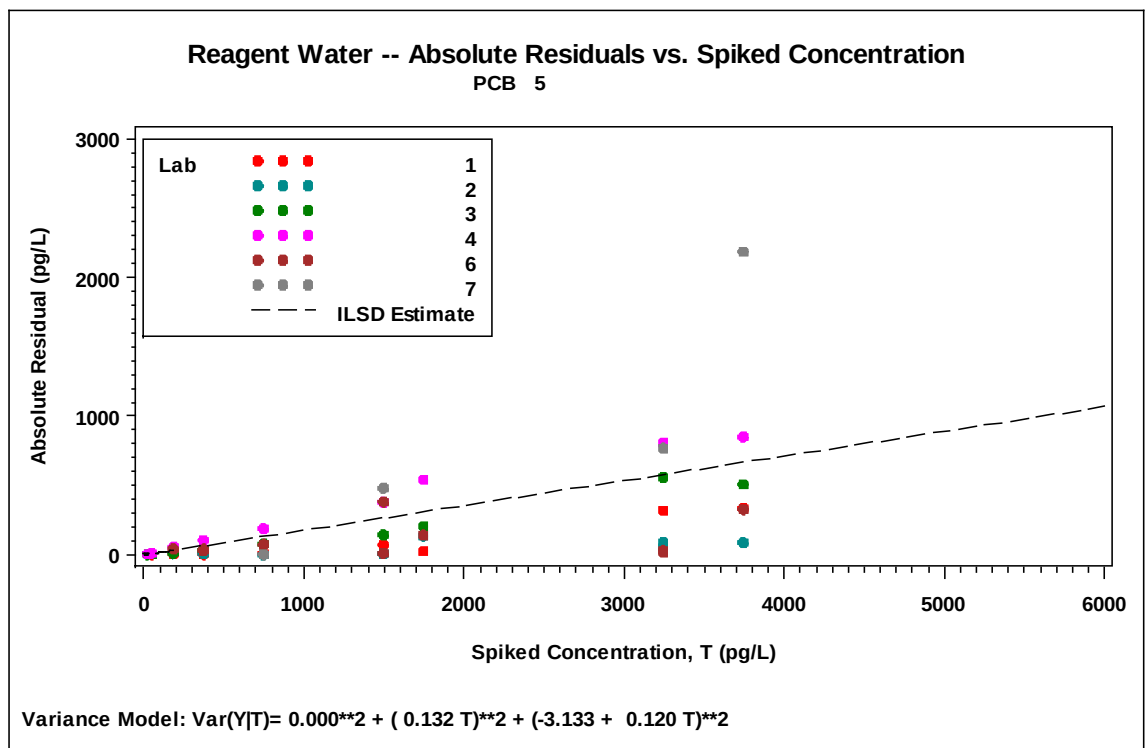
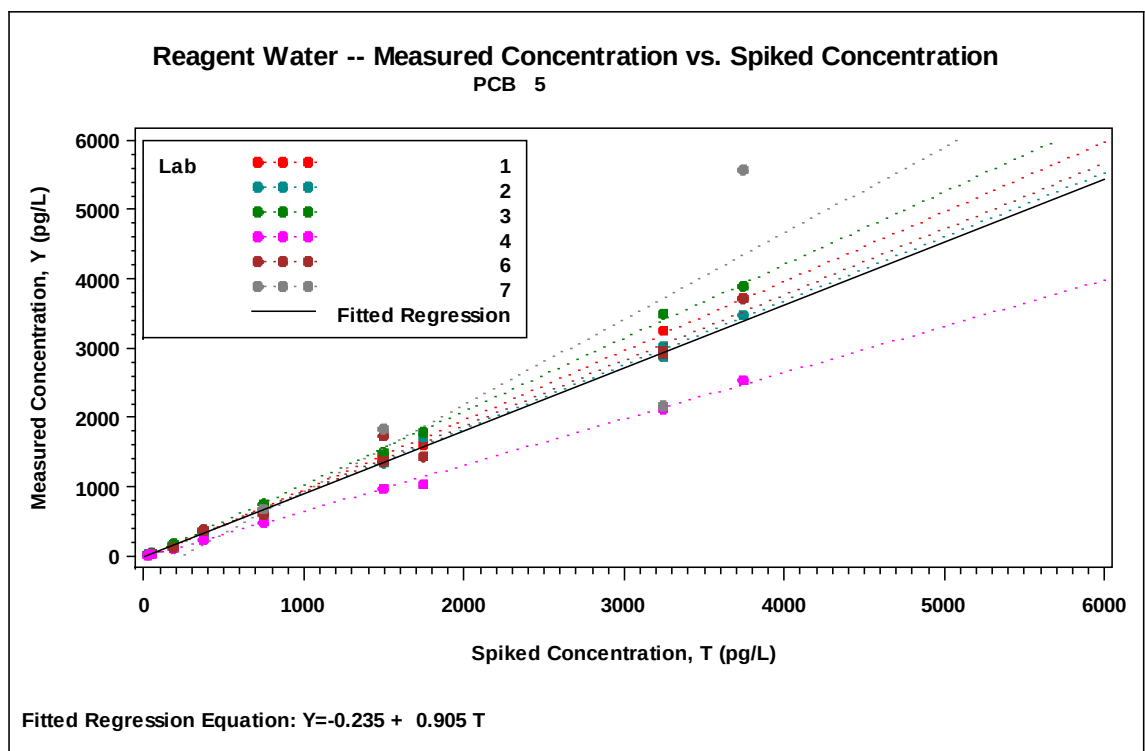
PCB	ASTM D2777-03 criteria met?	Mean recovery model	Between lab variance model	Within lab variance model	Degrees of freedom	Likelihood ratio test R-squared	95% confidence interval for the intercept
206	Y	2.78+0.79T	$(7.78)^{**2} + (-0.12T)^{**2}$	$(12.72 + 0.04T)^{**2}$	6	0.9975	(-8.63, 14.19)
207	Y	-0.55+0.68T	$(-0.00)^{**2} + (-0.11T)^{**2}$	$(1.21 + 0.08T)^{**2}$	6	0.9970	(-3.16, 2.06)
208	Y	0.24+0.66T	$(-0.00)^{**2} + (-0.12T)^{**2}$	$(2.74 + 0.05T)^{**2}$	6	0.9976	(-2.82, 3.30)
209	Y	1.20+0.67T	$(-0.00)^{**2} + (0.15T)^{**2}$	$(0.05 + 0.12T)^{**2}$	6	0.9941	(-1.31, 3.71)

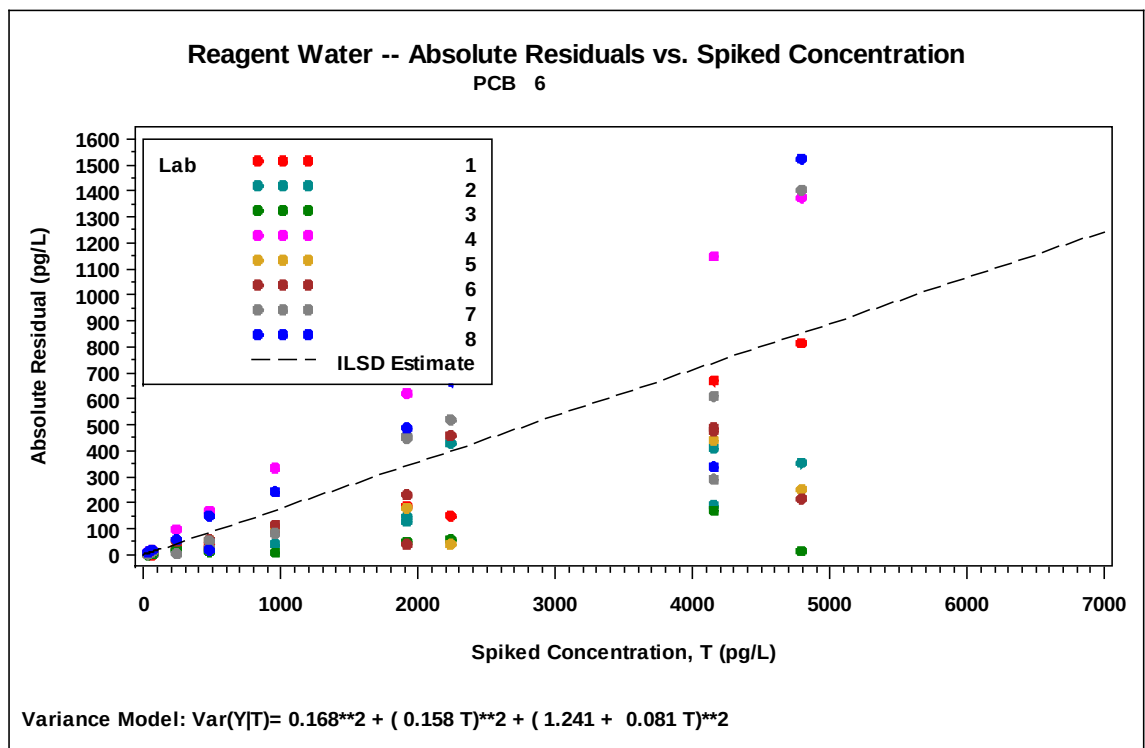
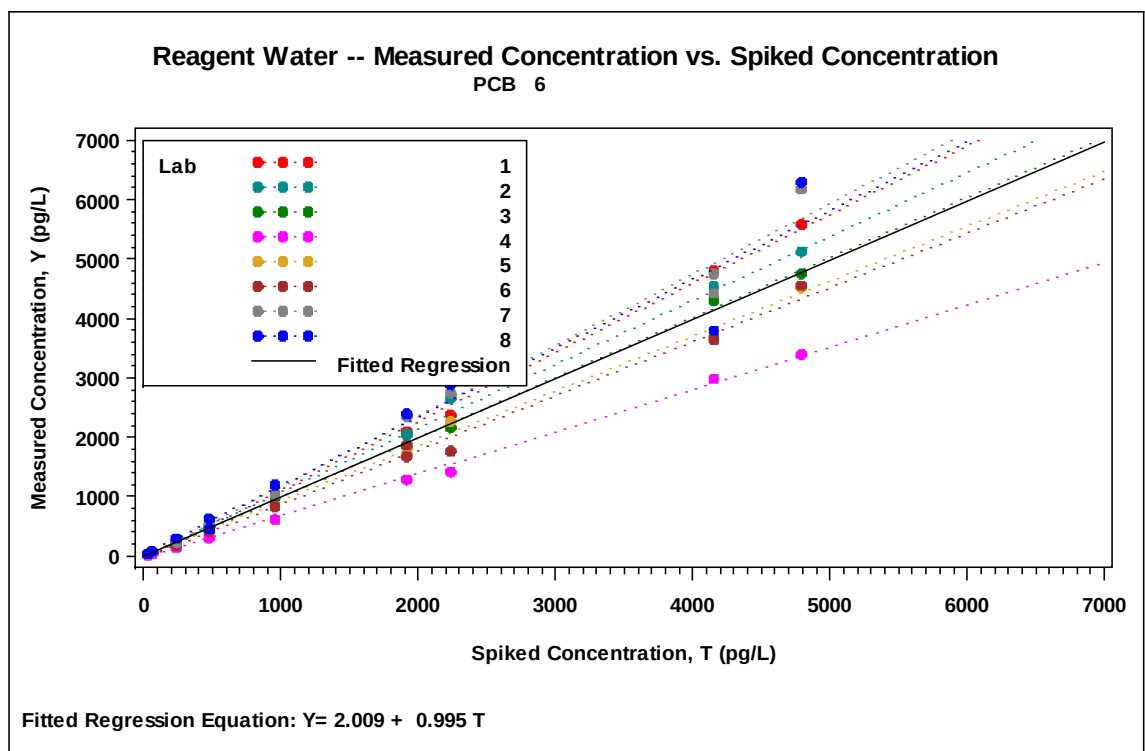


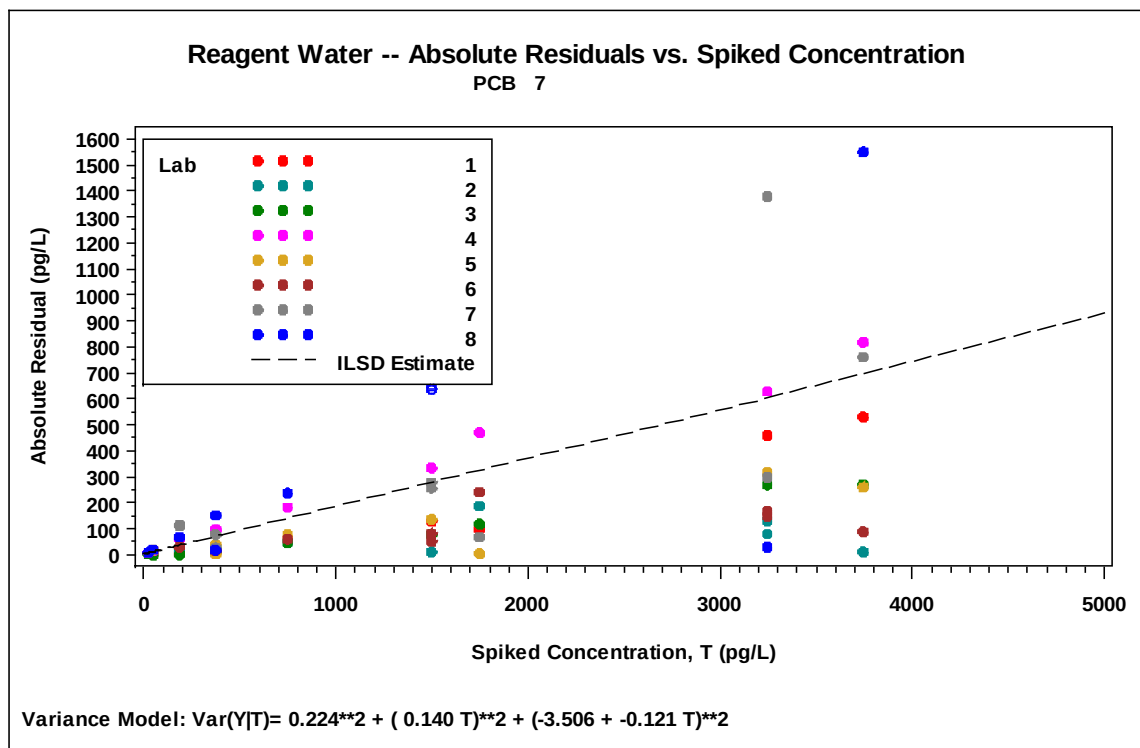
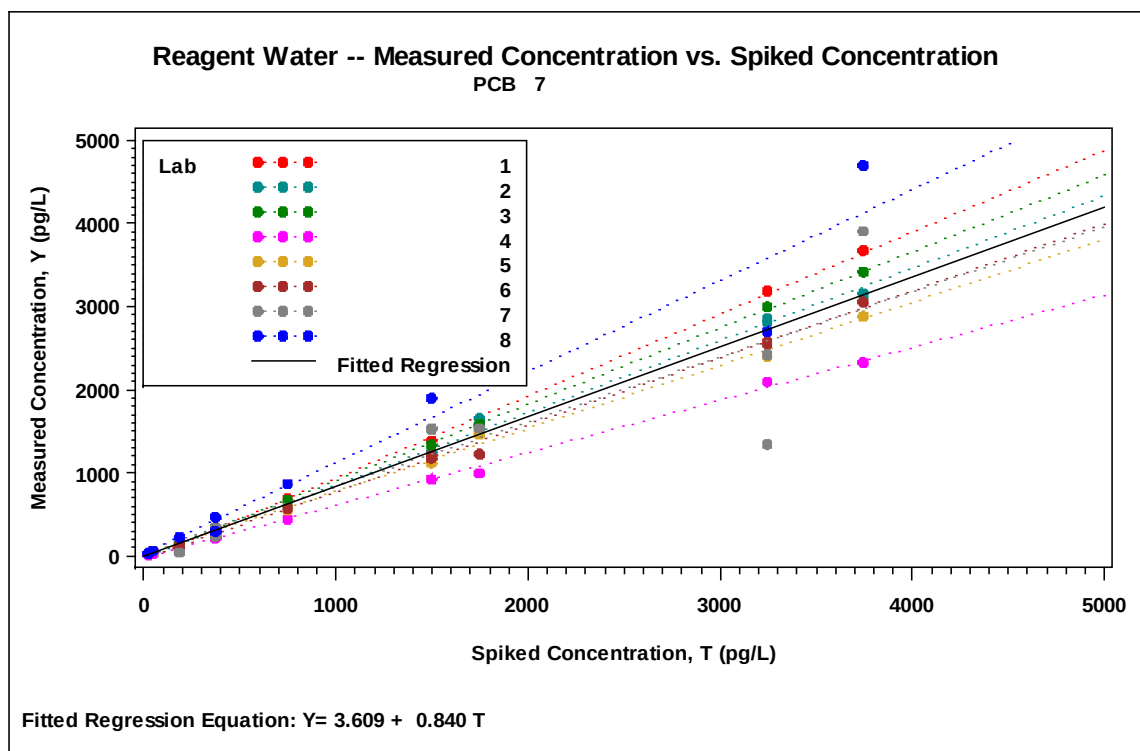


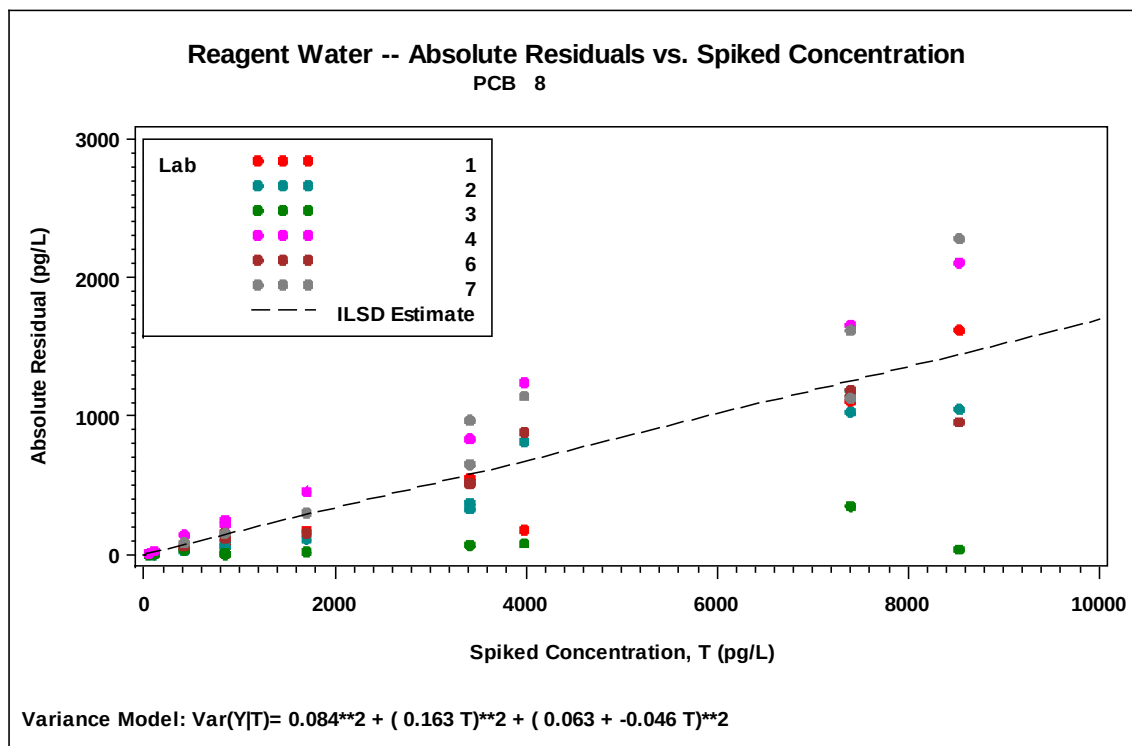
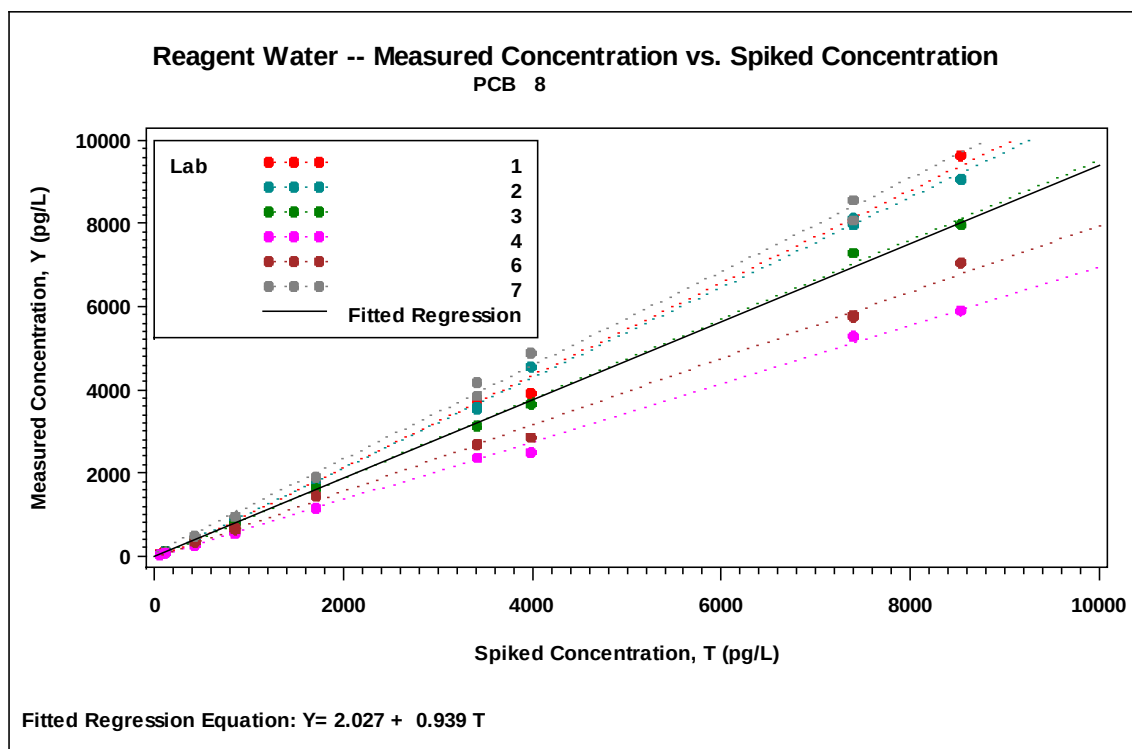


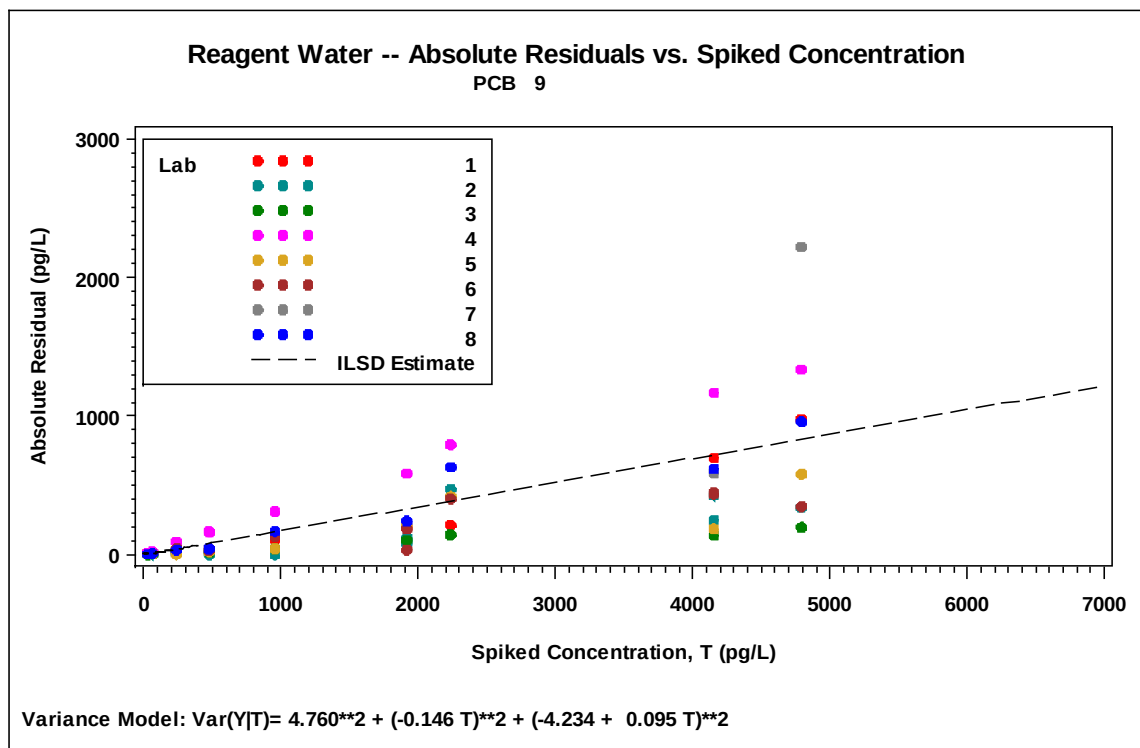
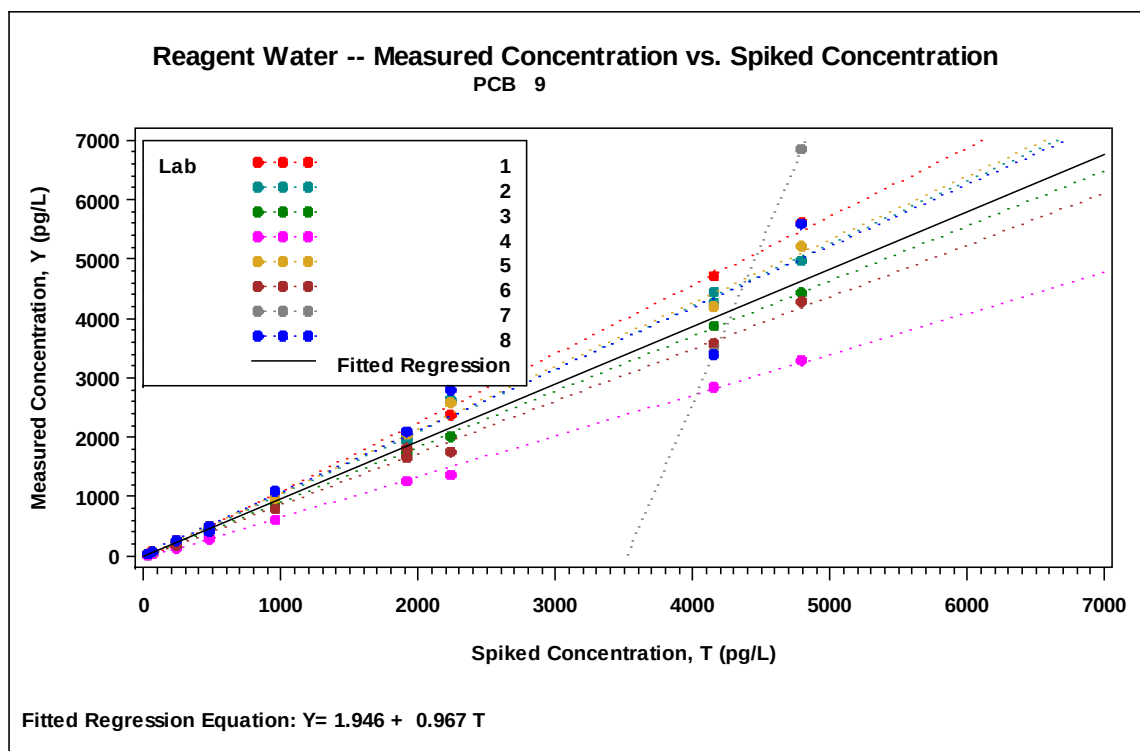


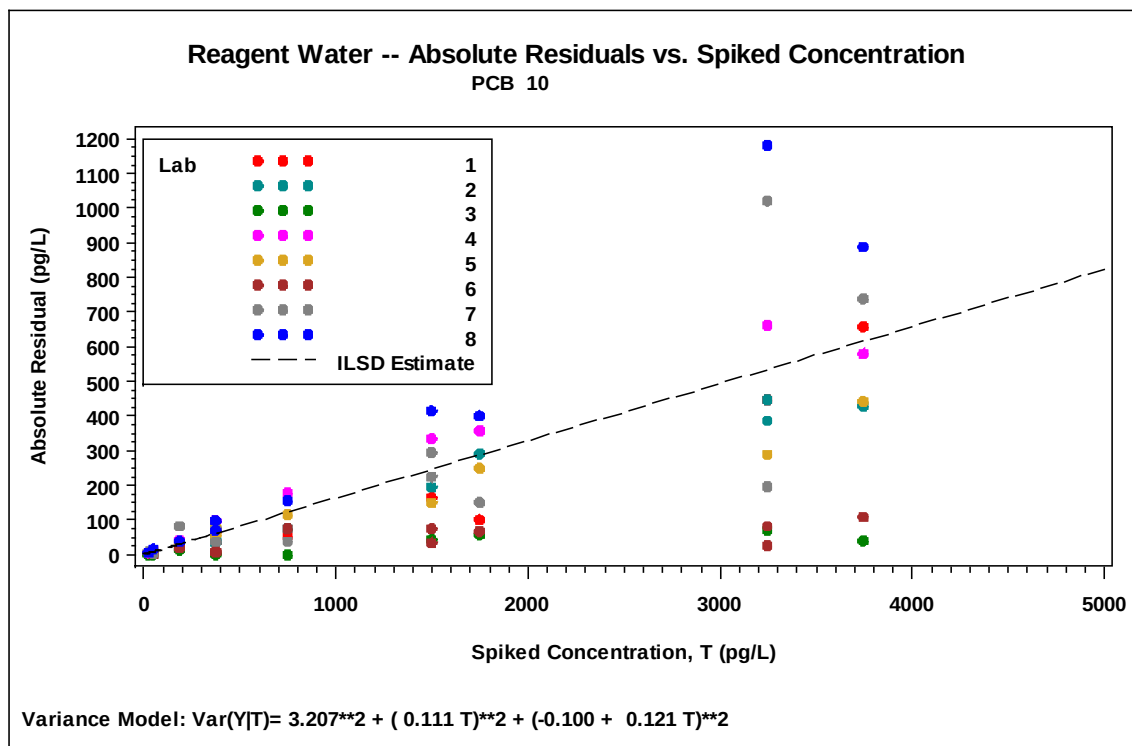
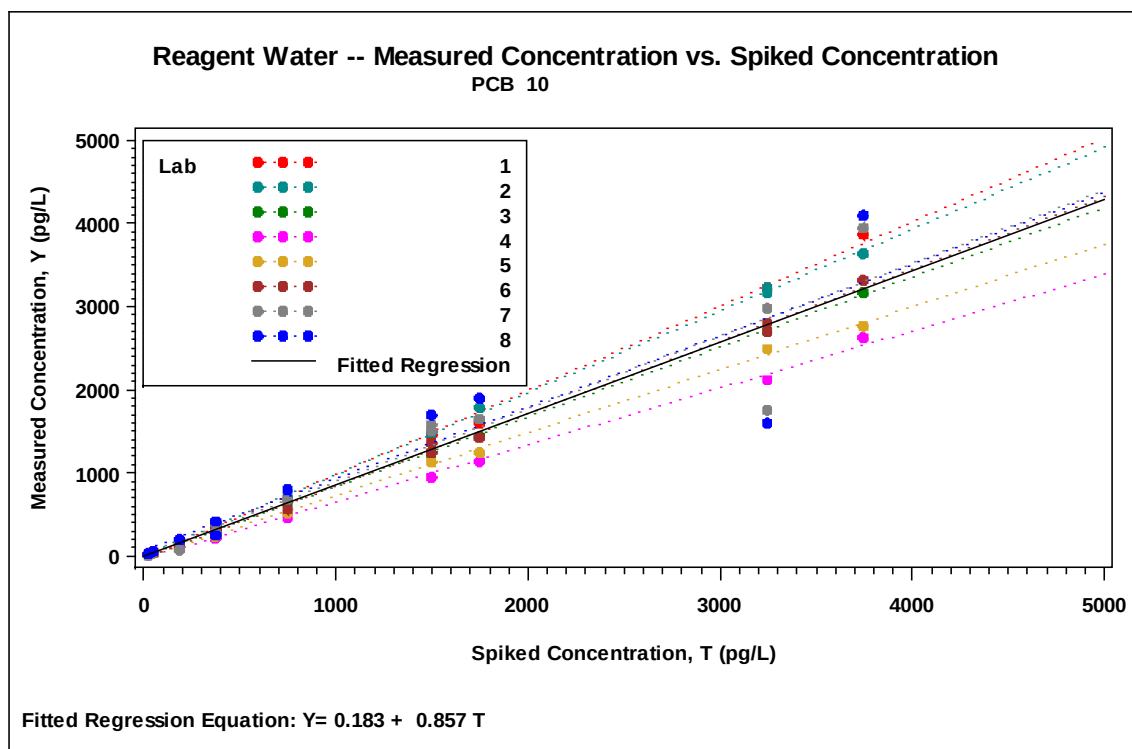


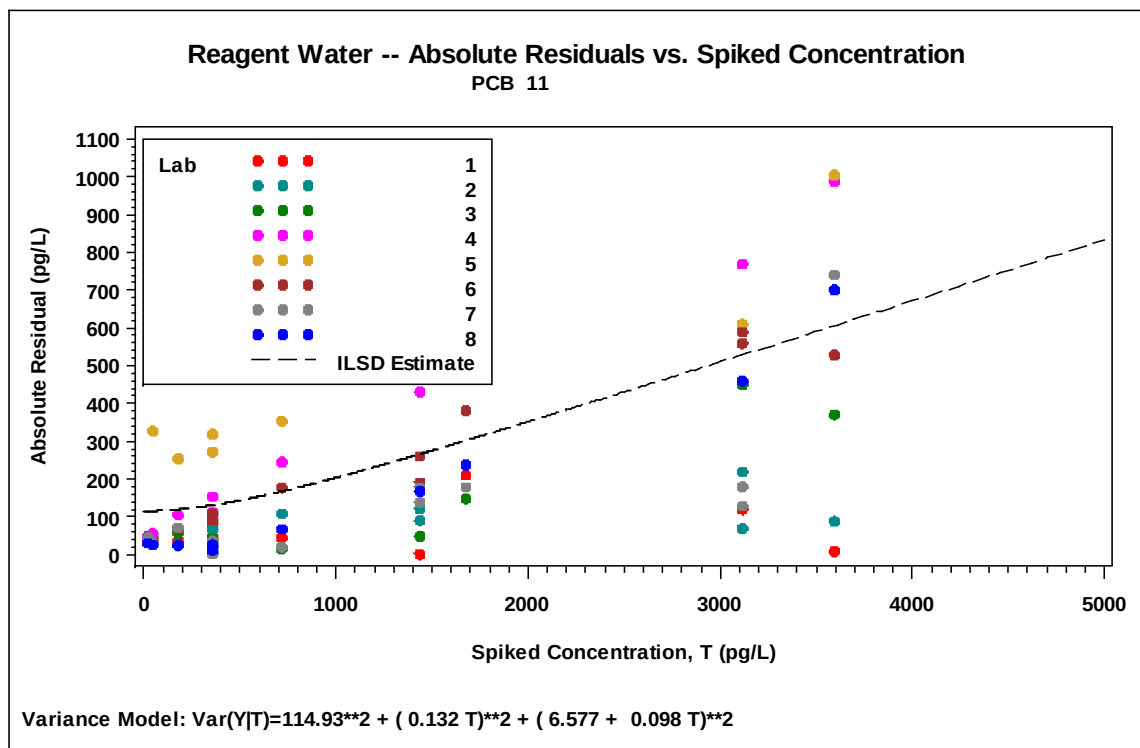
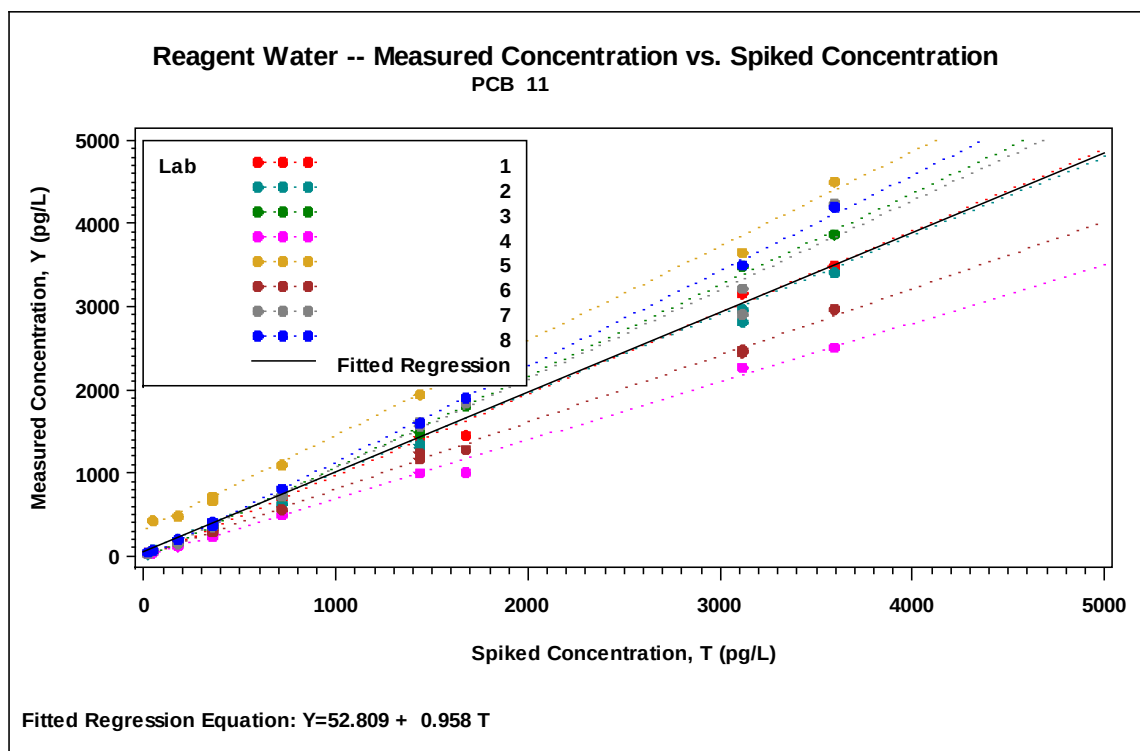




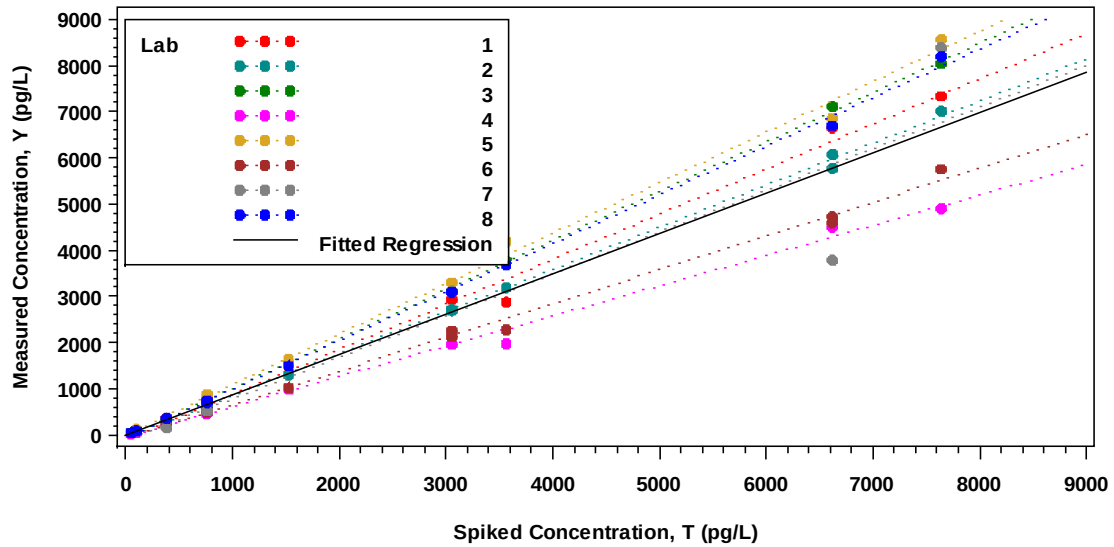




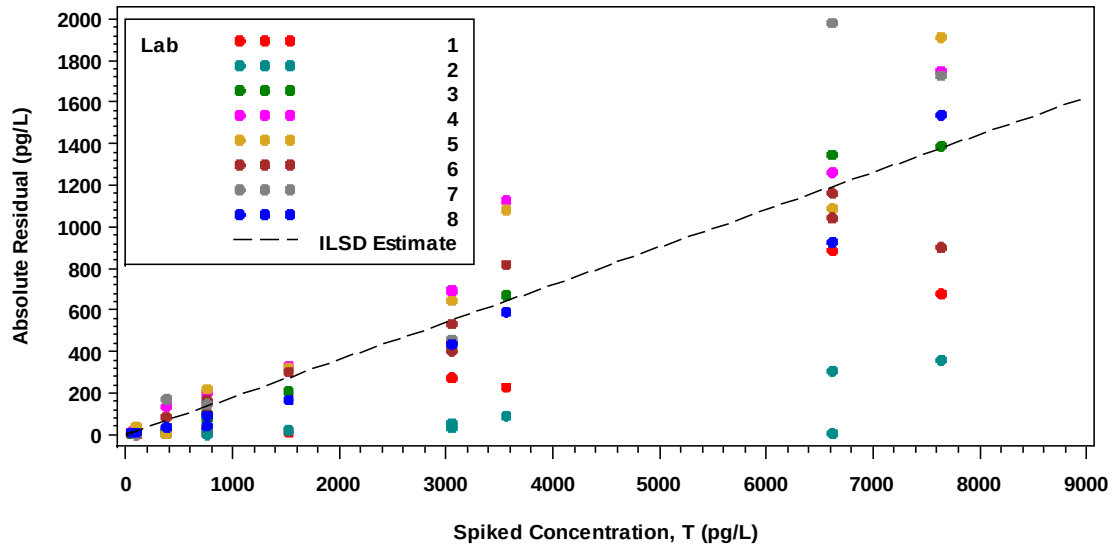


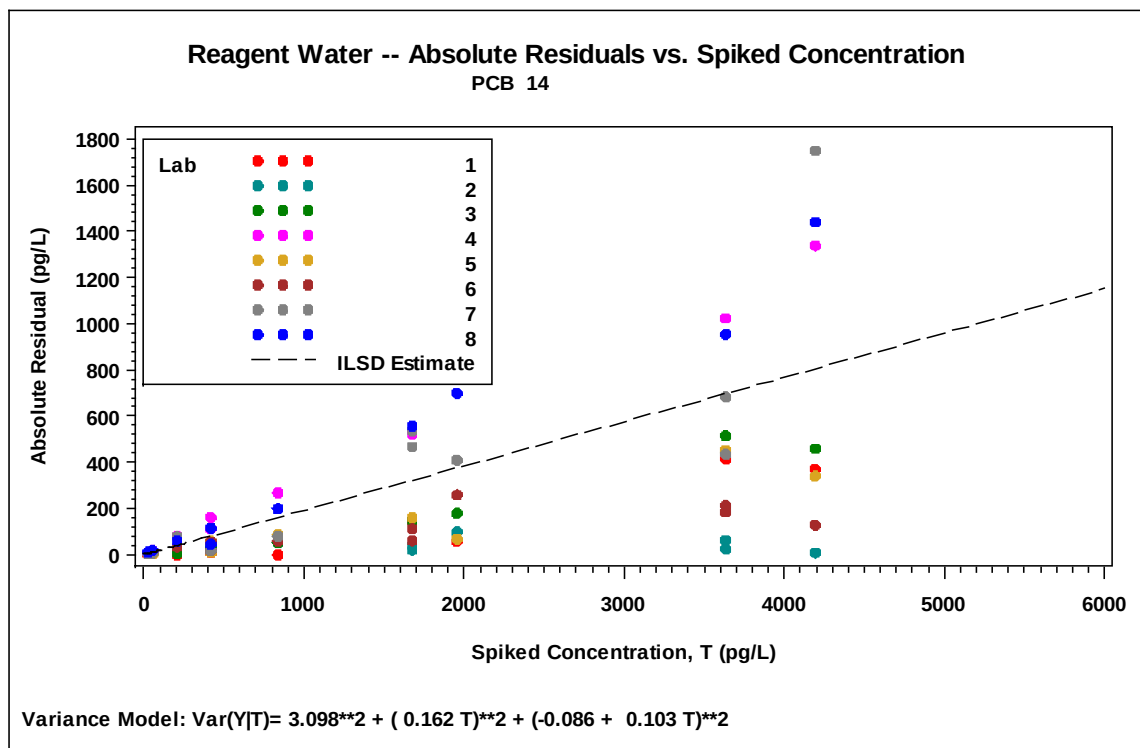
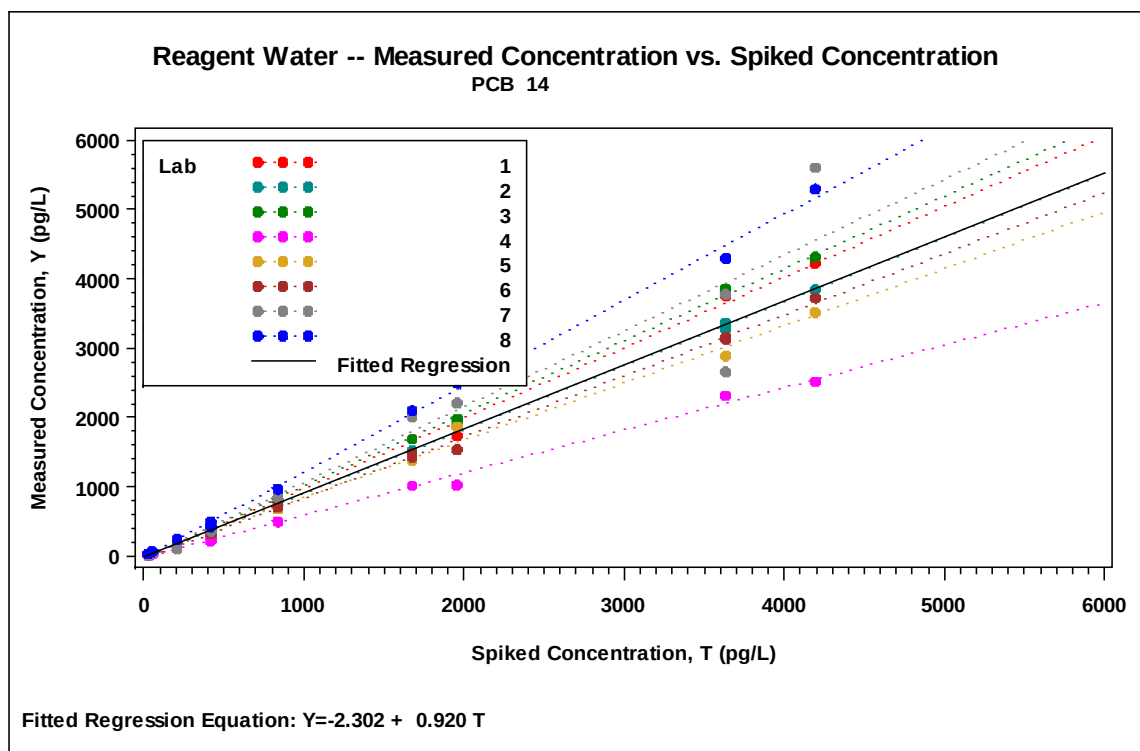


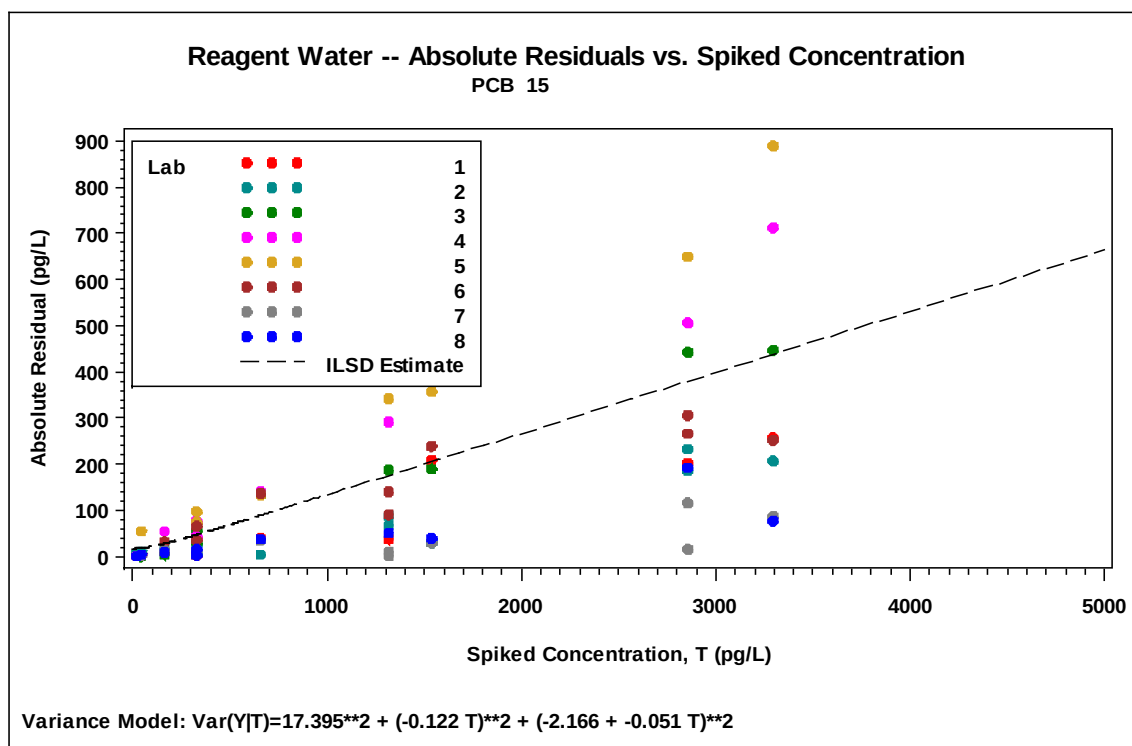
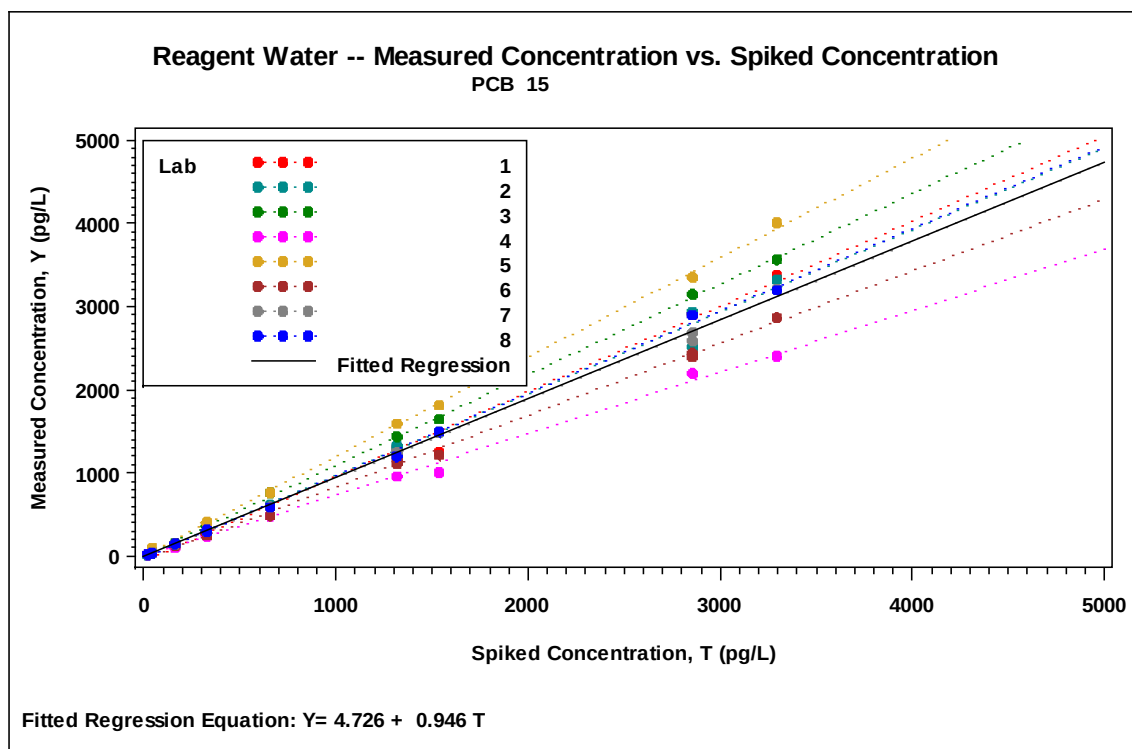
Reagent Water -- Measured Concentration vs. Spiked Concentration
PCB 12/ 13

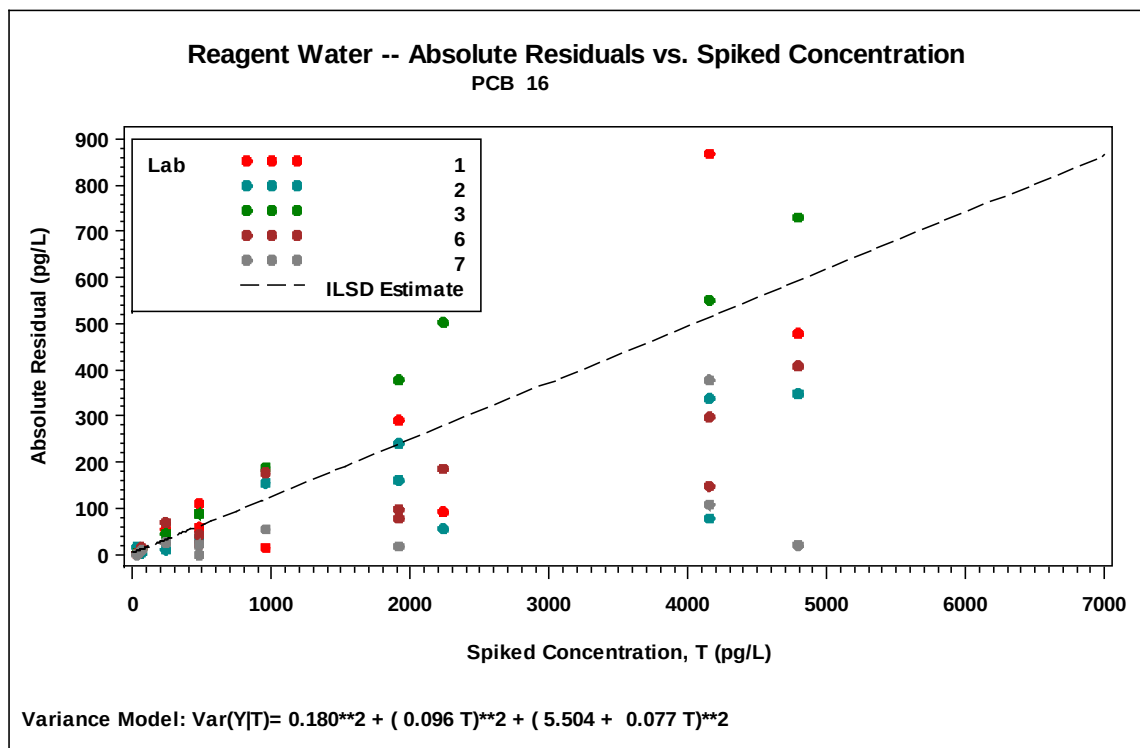
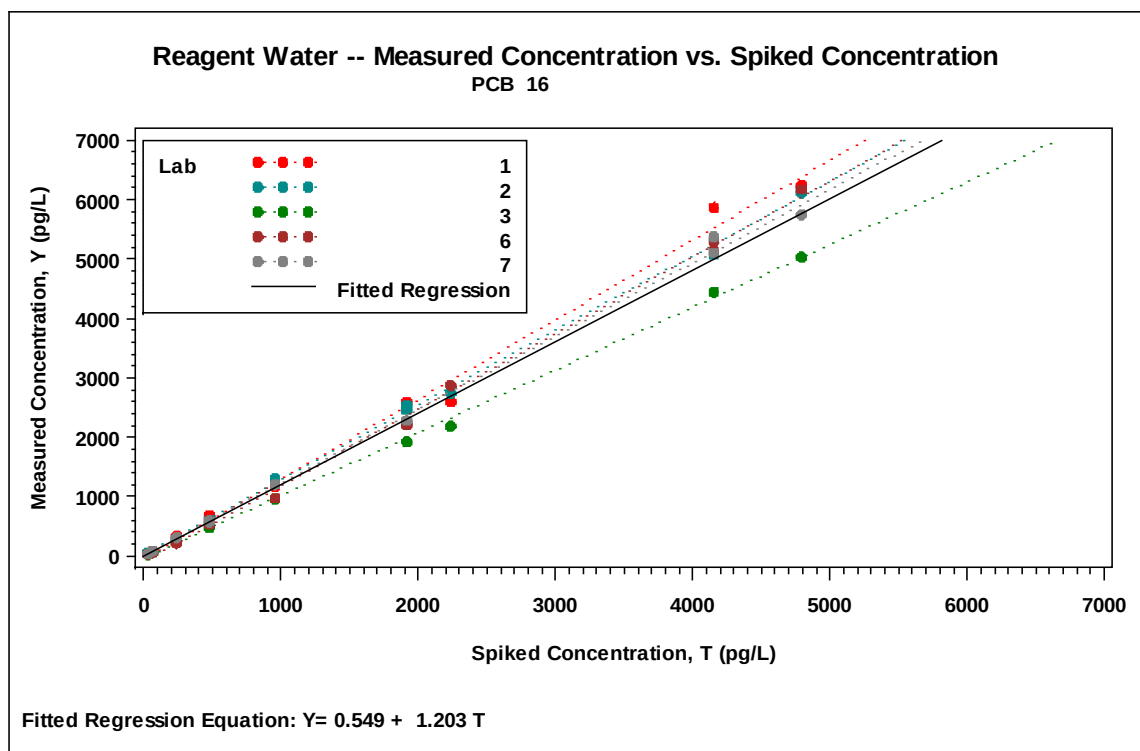


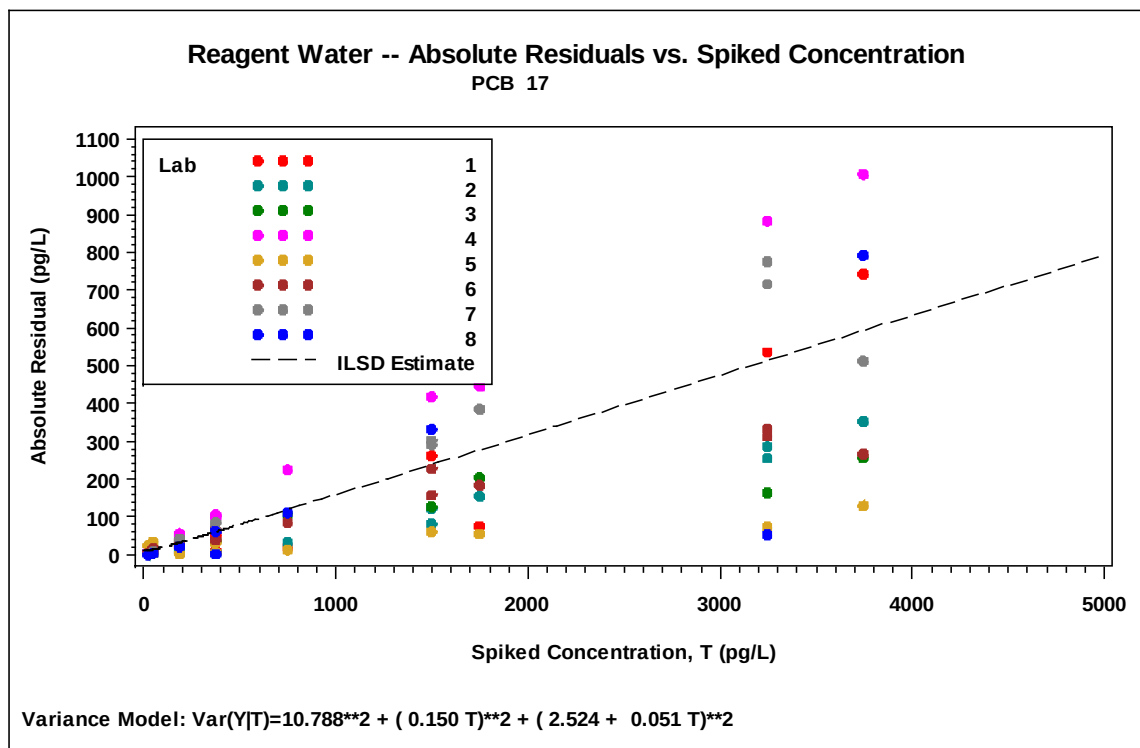
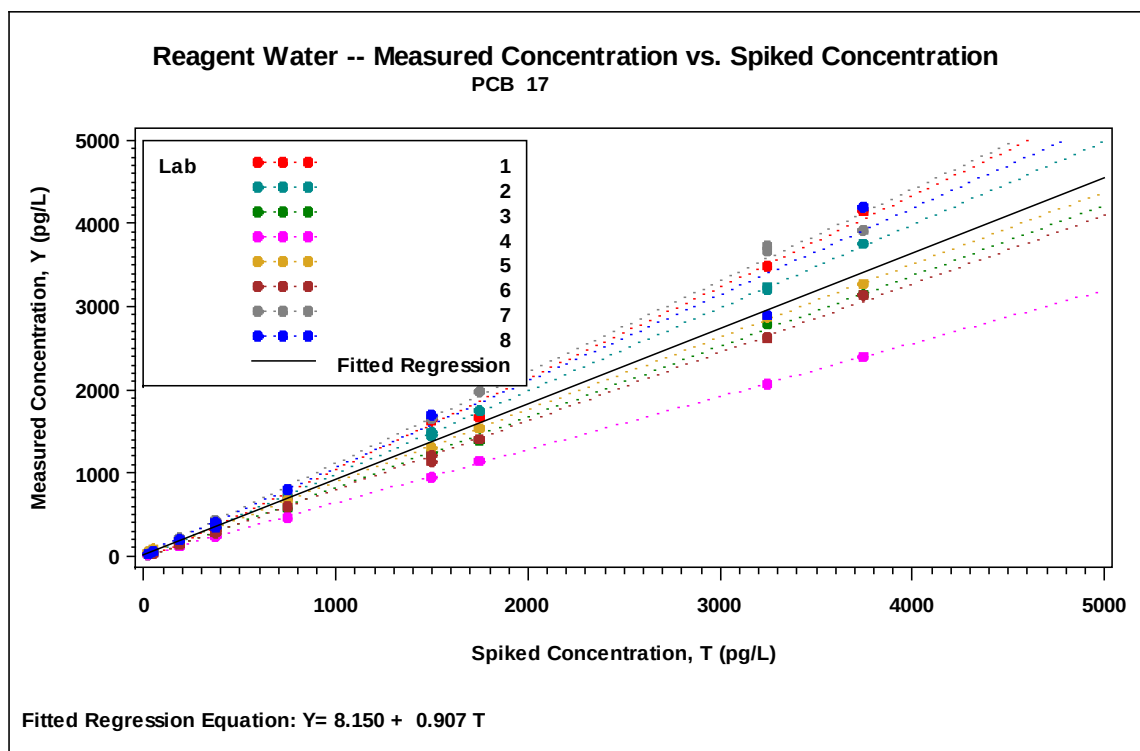
Reagent Water -- Absolute Residuals vs. Spiked Concentration
PCB 12/ 13

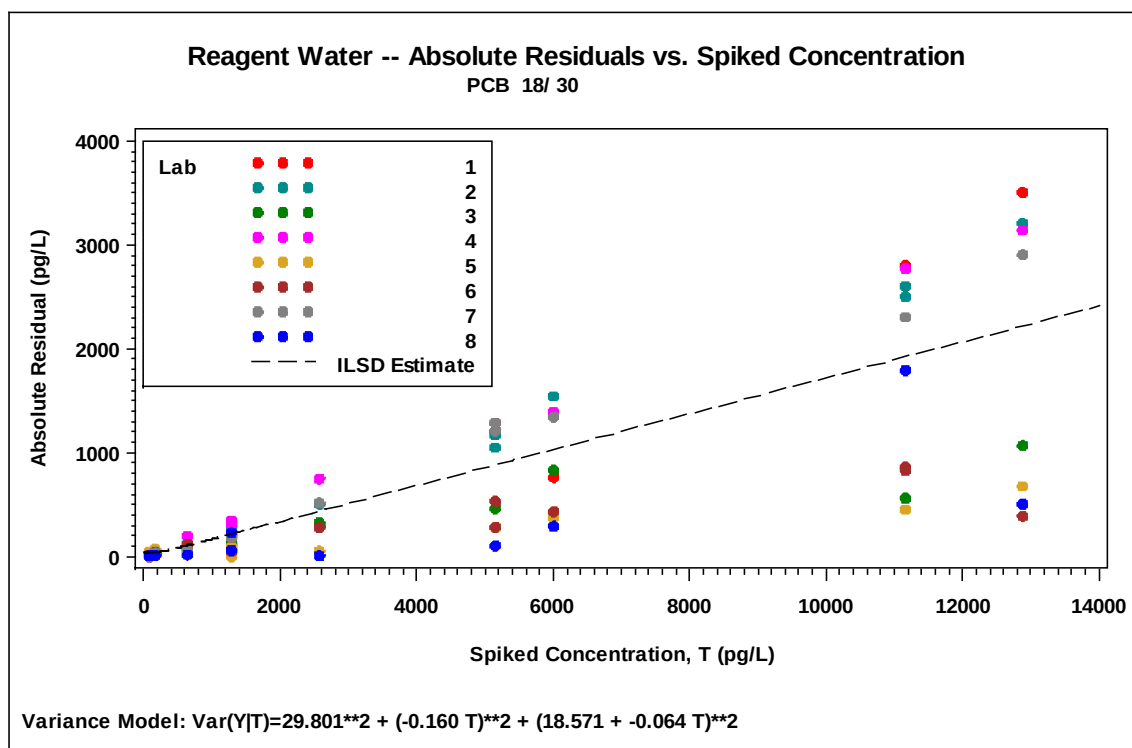
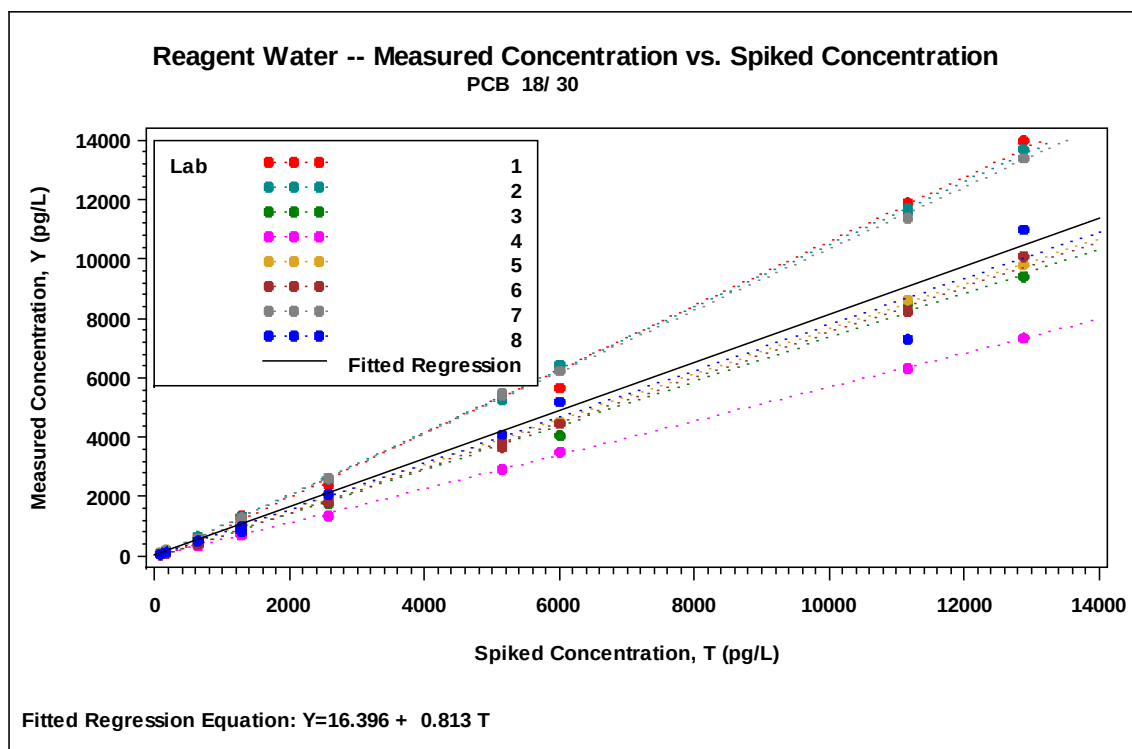


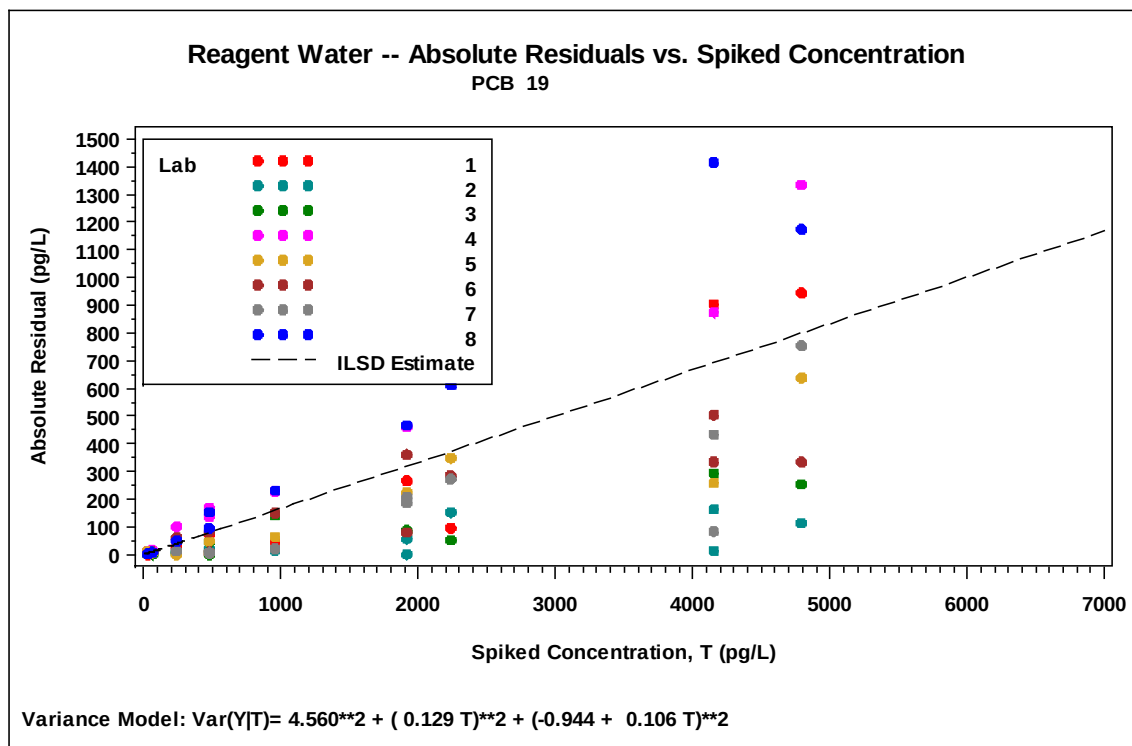
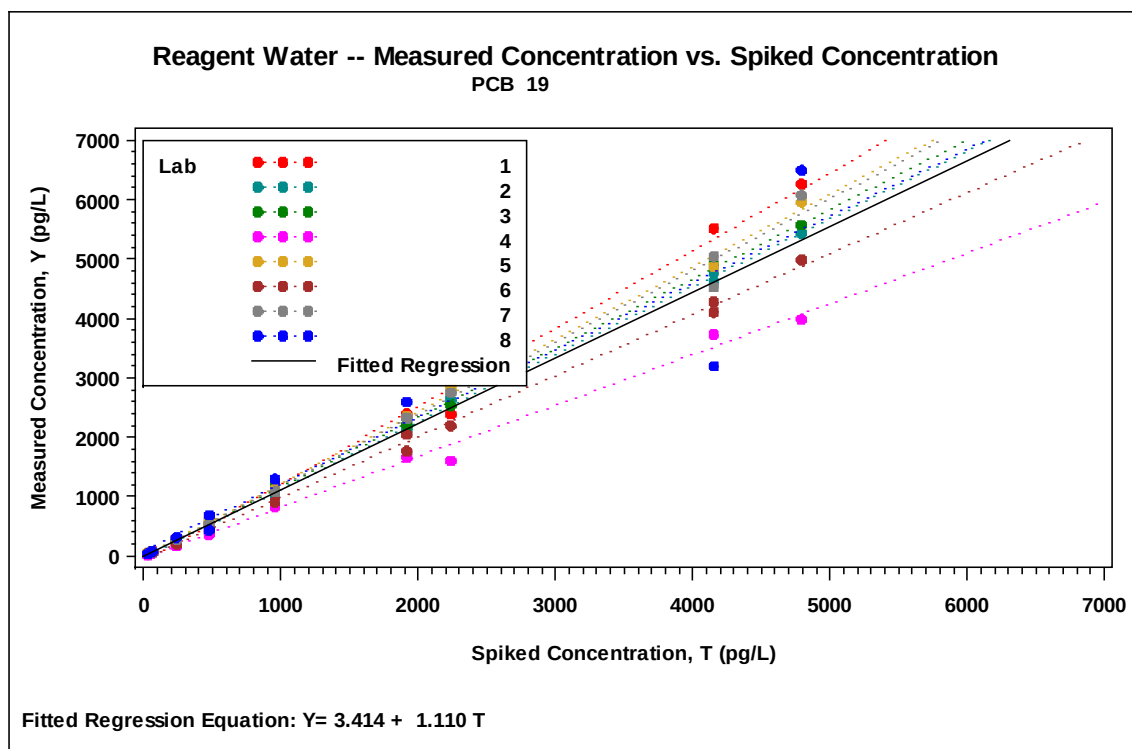






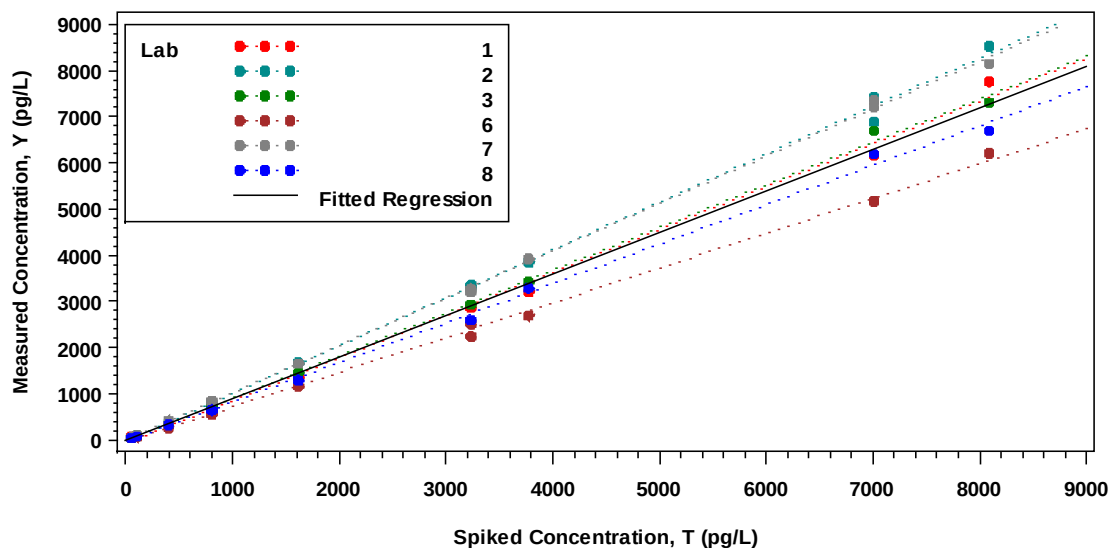






Reagent Water -- Measured Concentration vs. Spiked Concentration

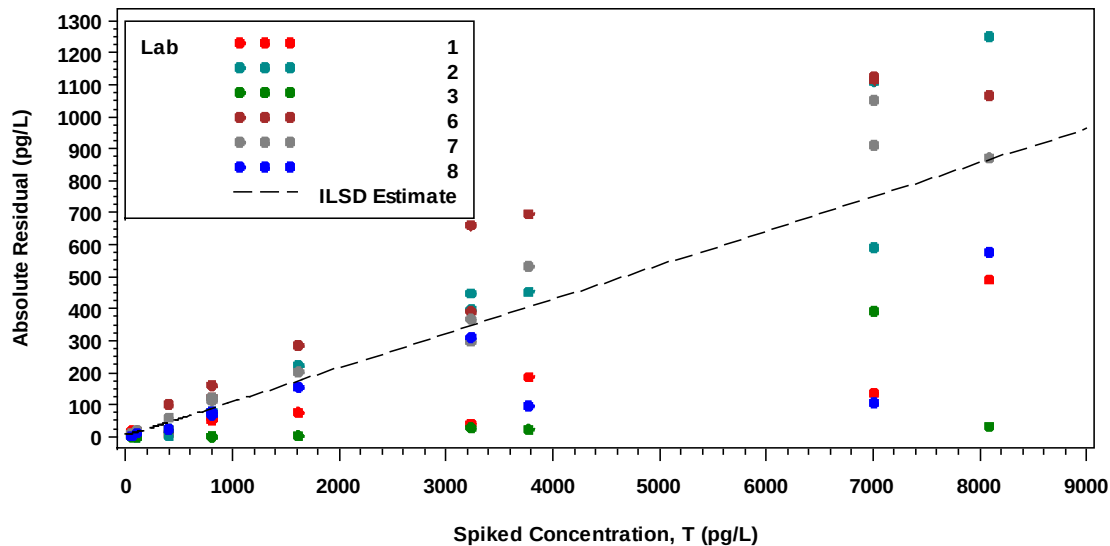
PCB 20/ 28



Fitted Regression Equation: $Y = 0.881 + 0.899 T$

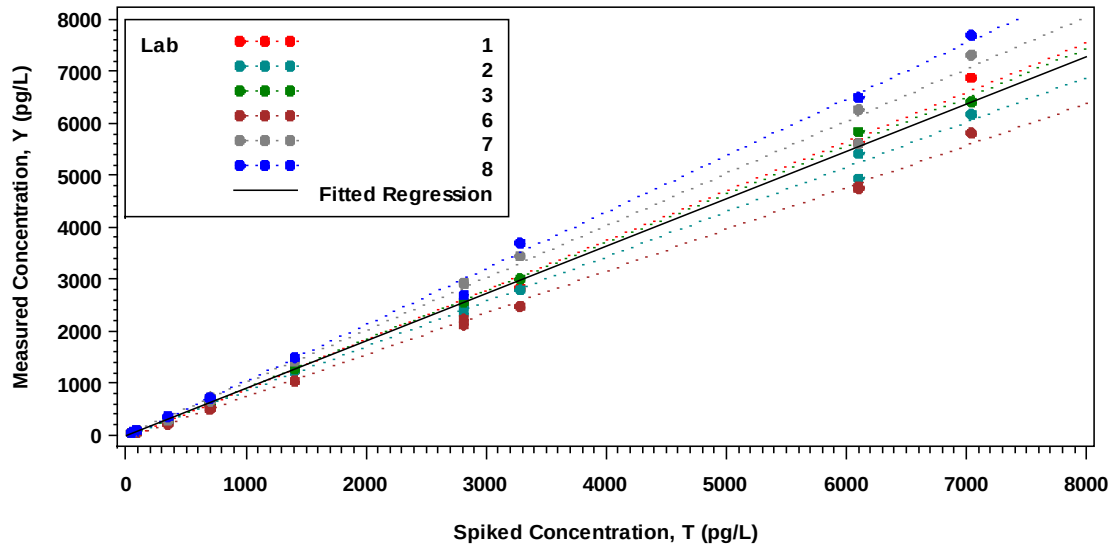
Reagent Water -- Absolute Residuals vs. Spiked Concentration

PCB 20/ 28



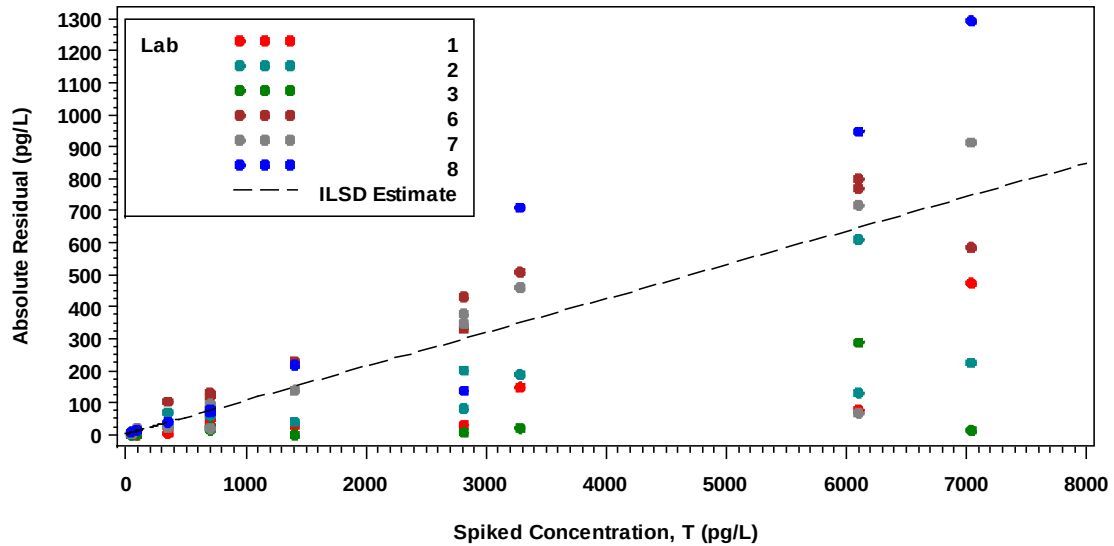
Variance Model: $\text{Var}(Y|T) = 3.282^{**2} + (0.103 T)^{**2} + (7.178 + 0.029 T)^{**2}$

Reagent Water -- Measured Concentration vs. Spiked Concentration
PCB 21/ 33

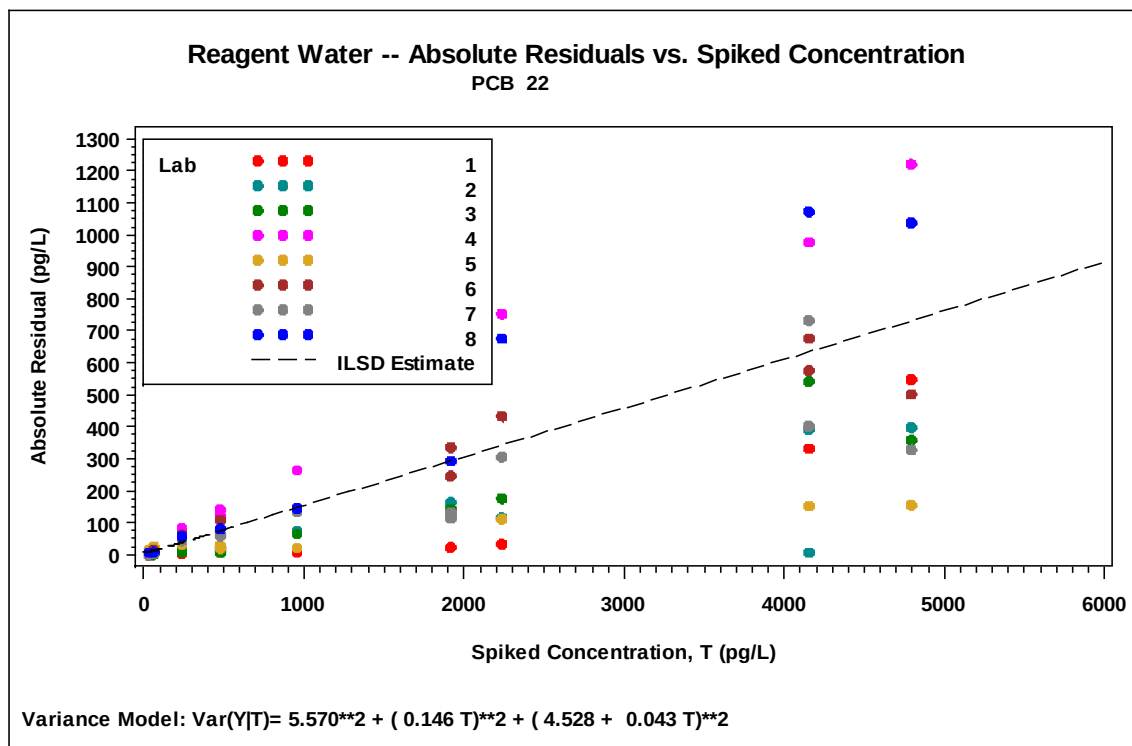
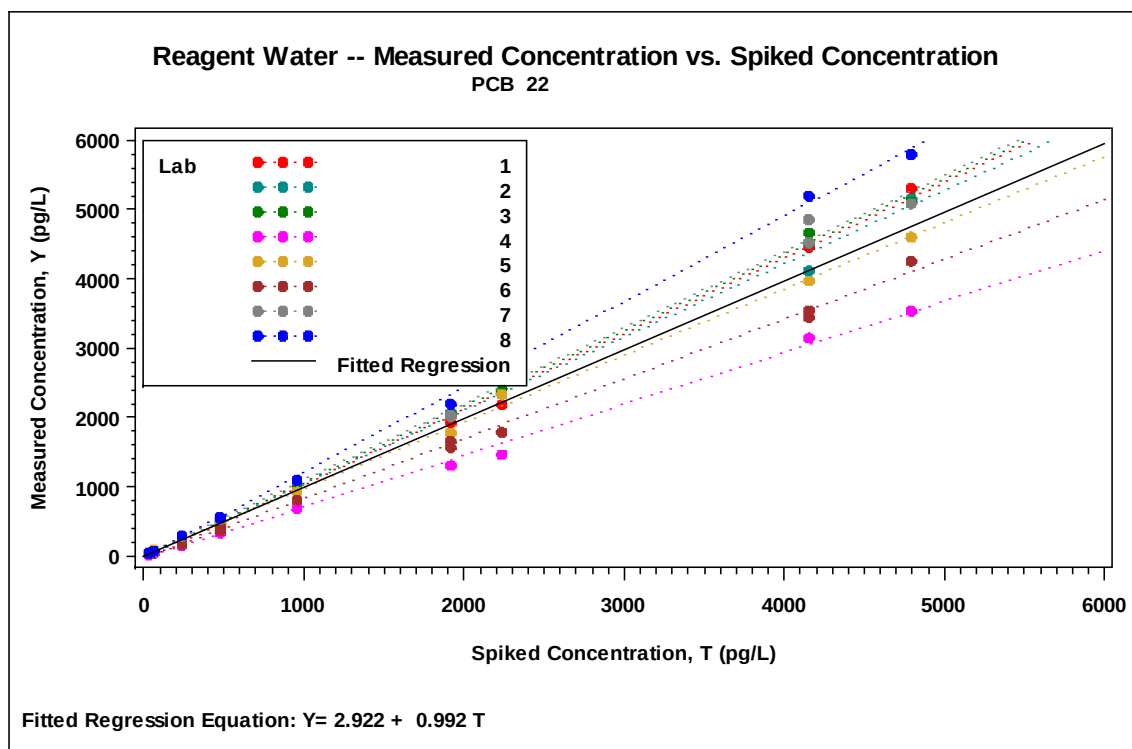


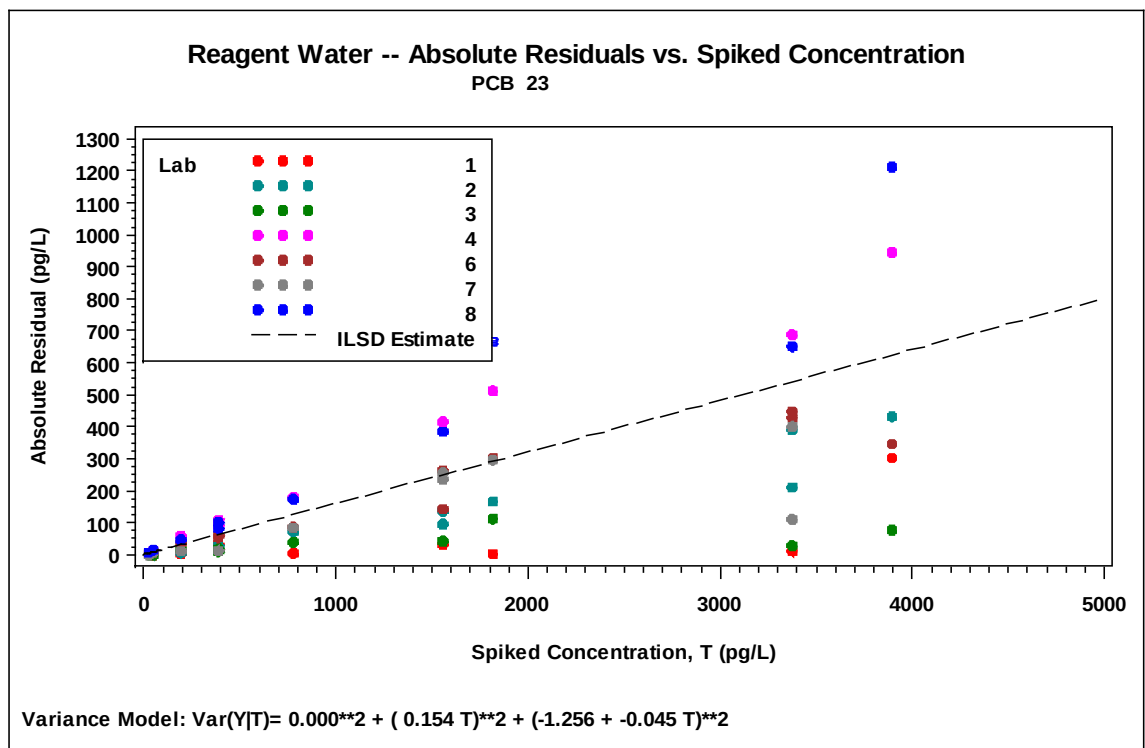
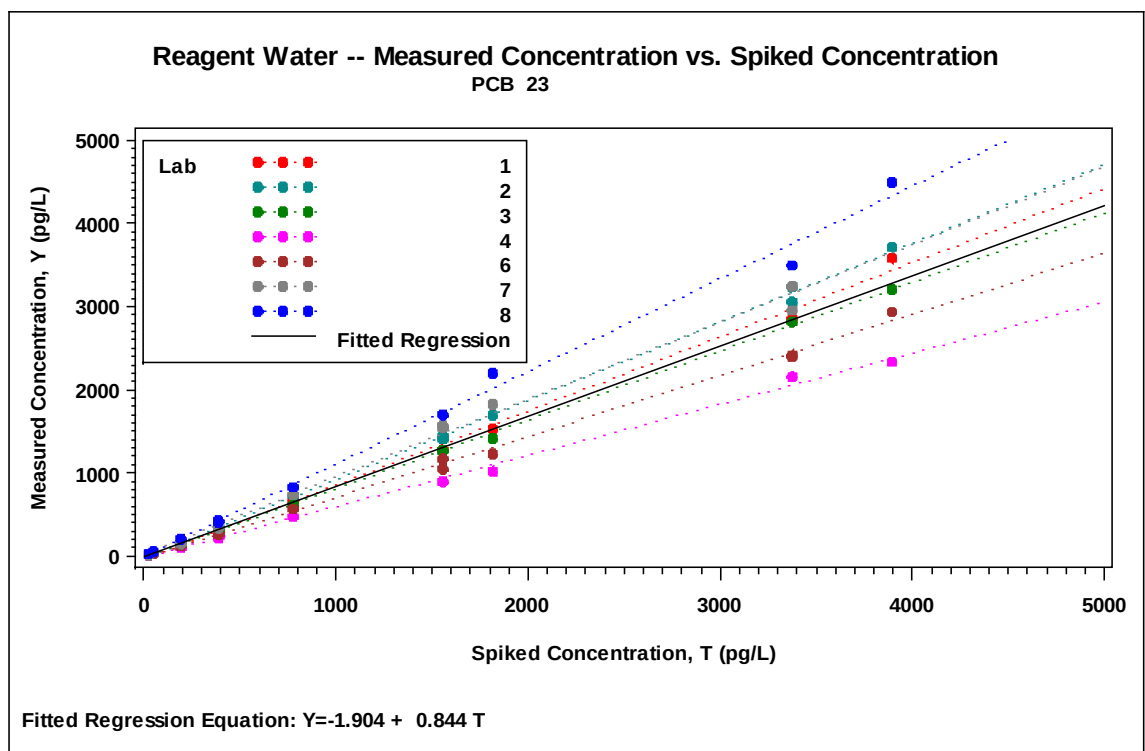
Fitted Regression Equation: $Y = -0.530 + 0.910 T$

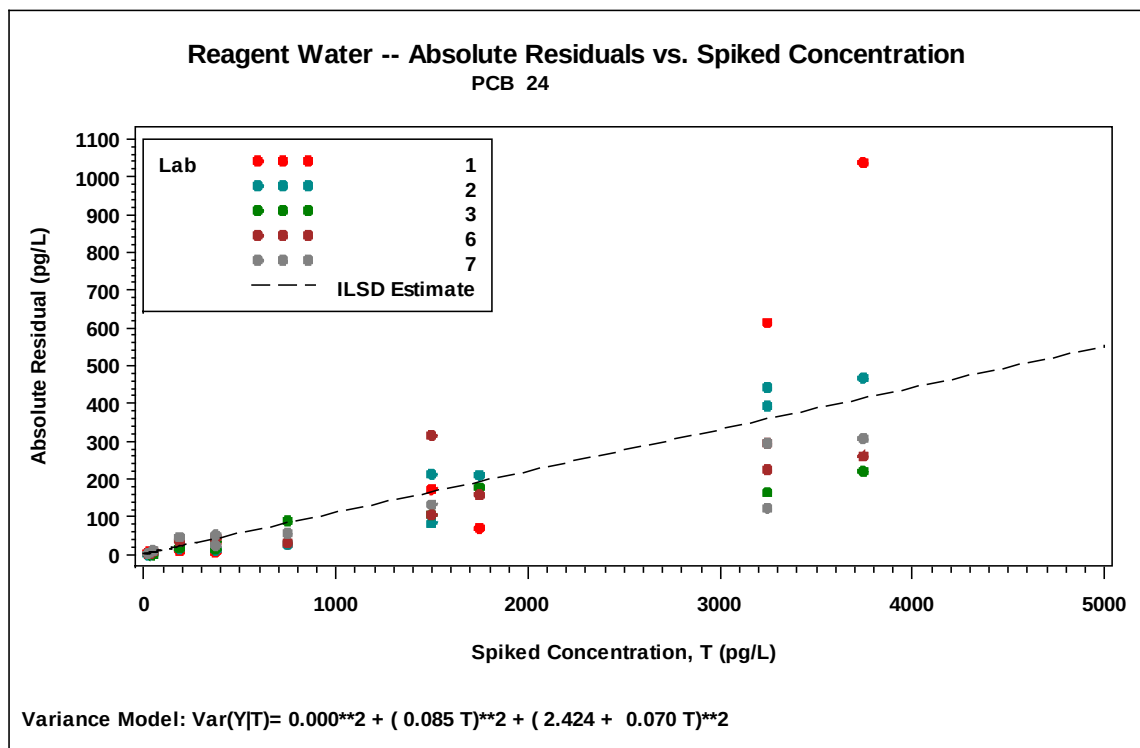
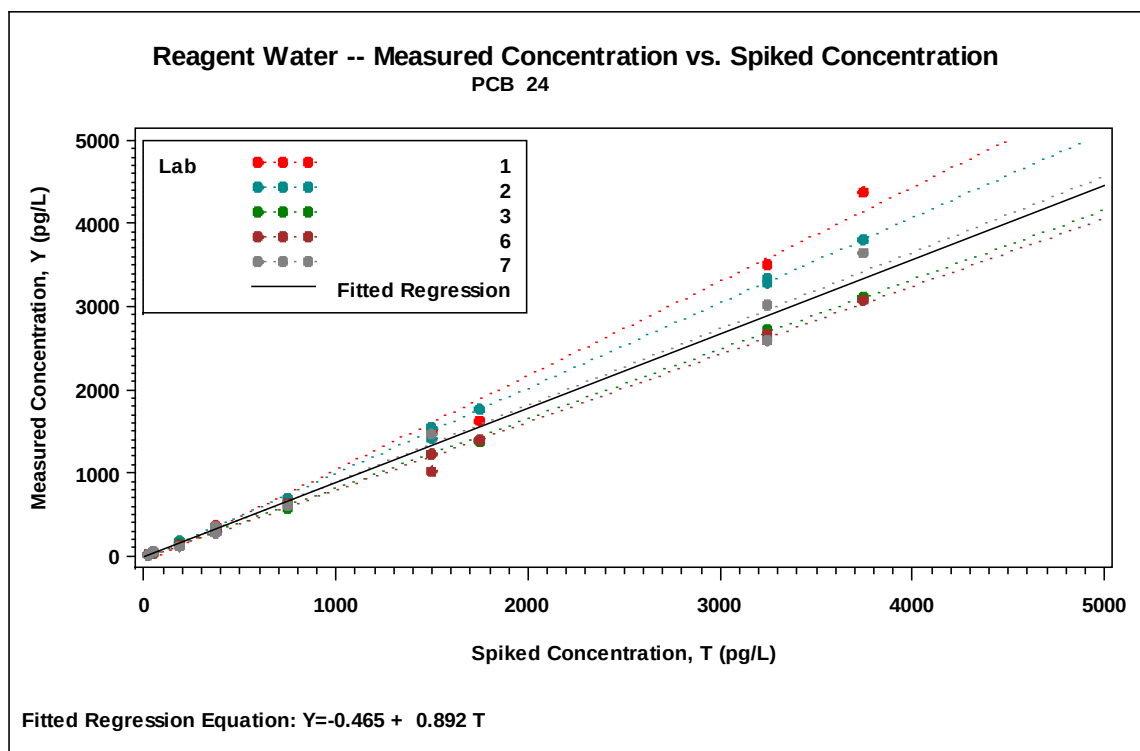
Reagent Water -- Absolute Residuals vs. Spiked Concentration
PCB 21/ 33

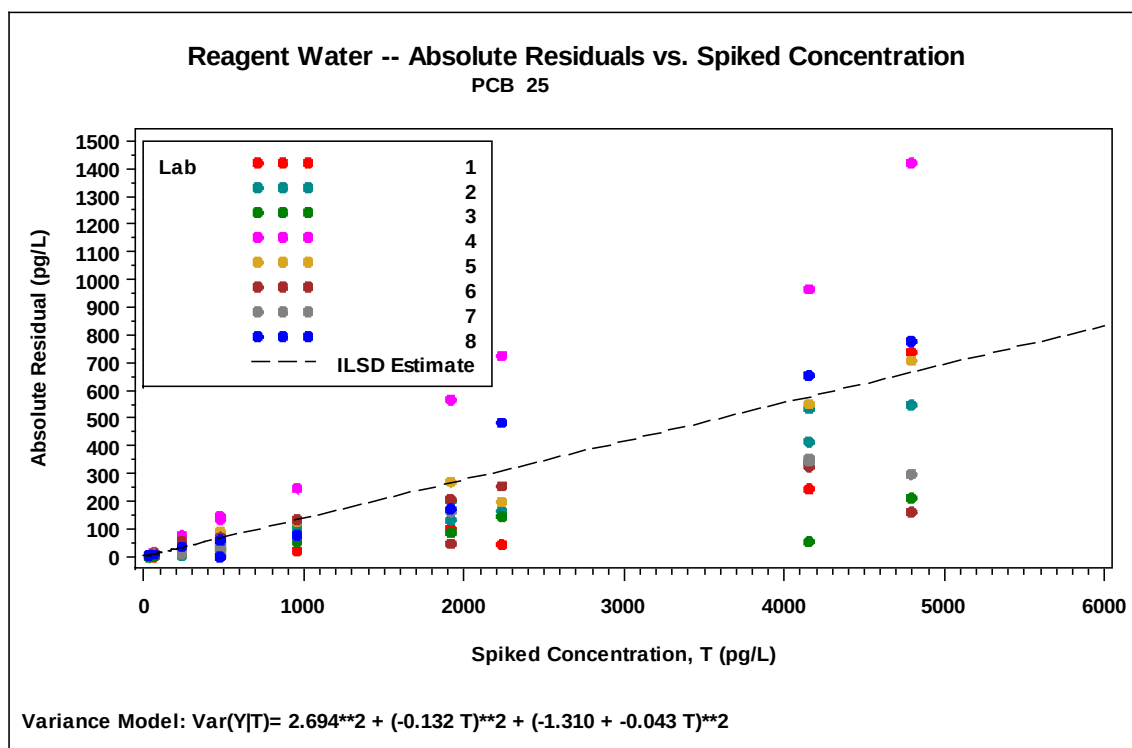
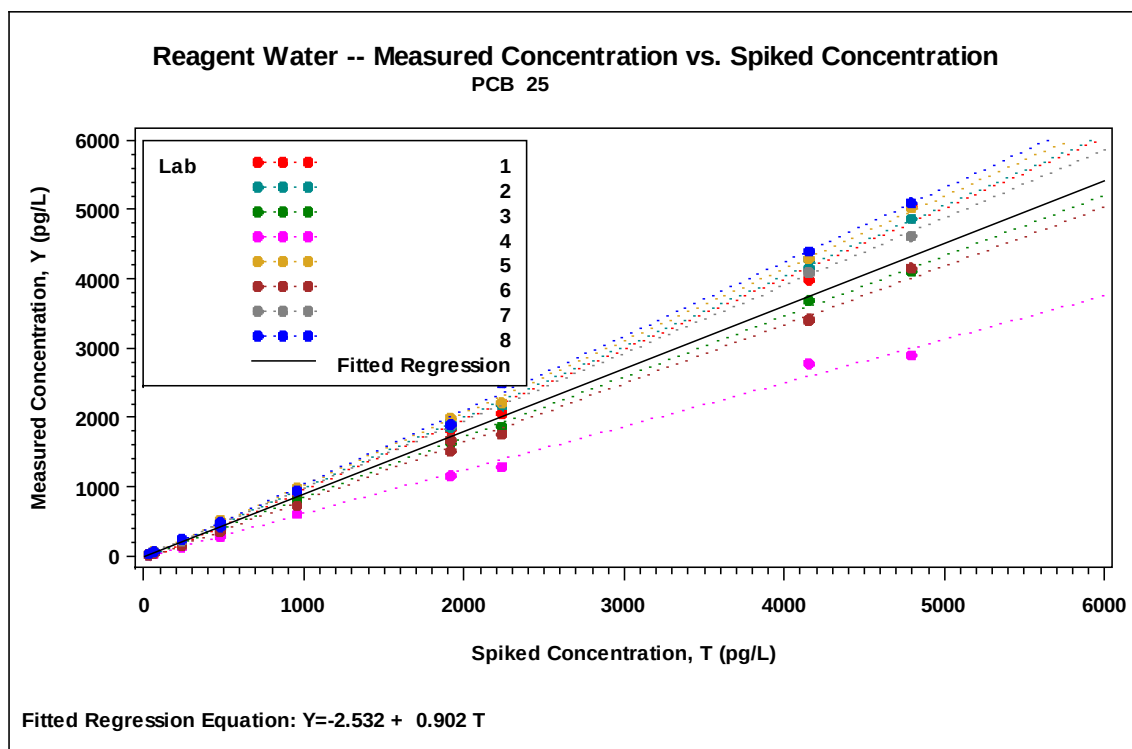


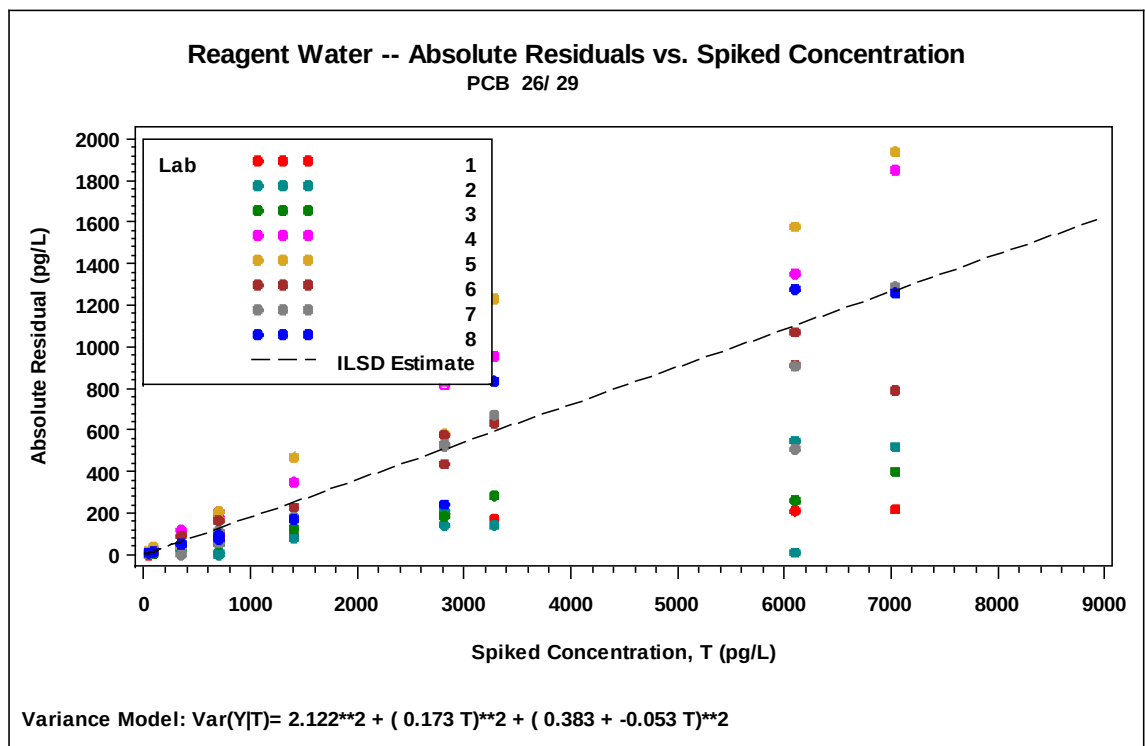
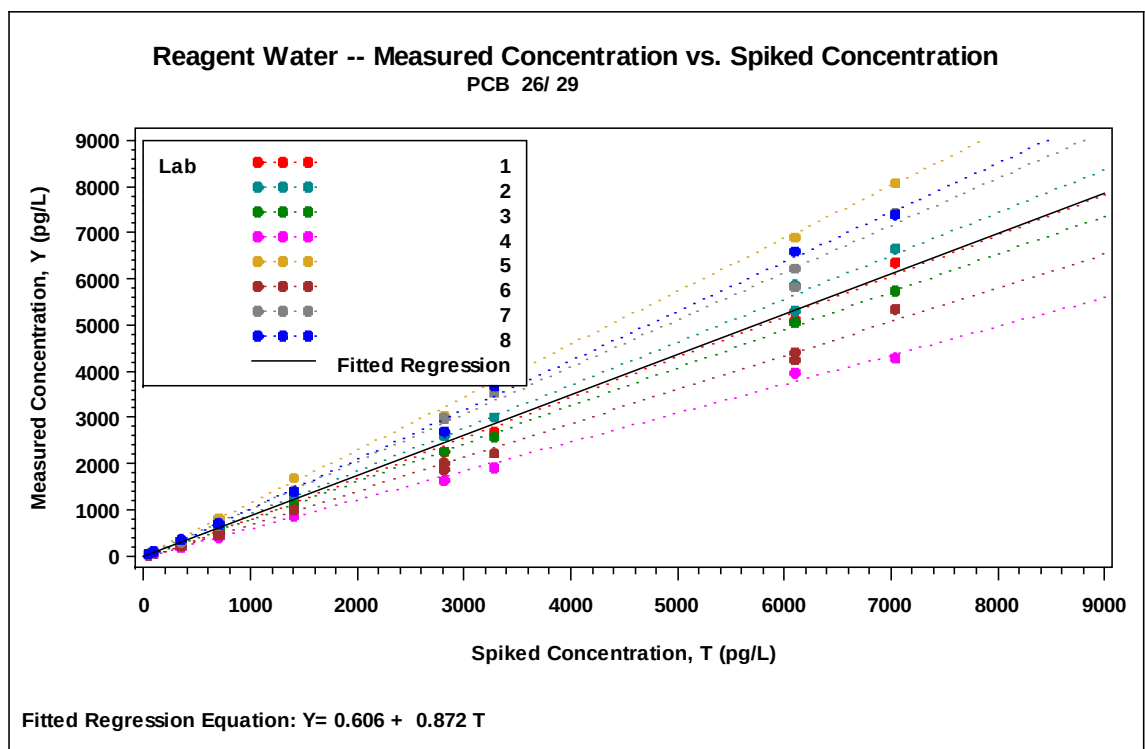
Variance Model: $\text{Var}(Y|T) = 0.000T^2 + (0.095 T)^2 + (-3.803 + -0.046 T)^2$

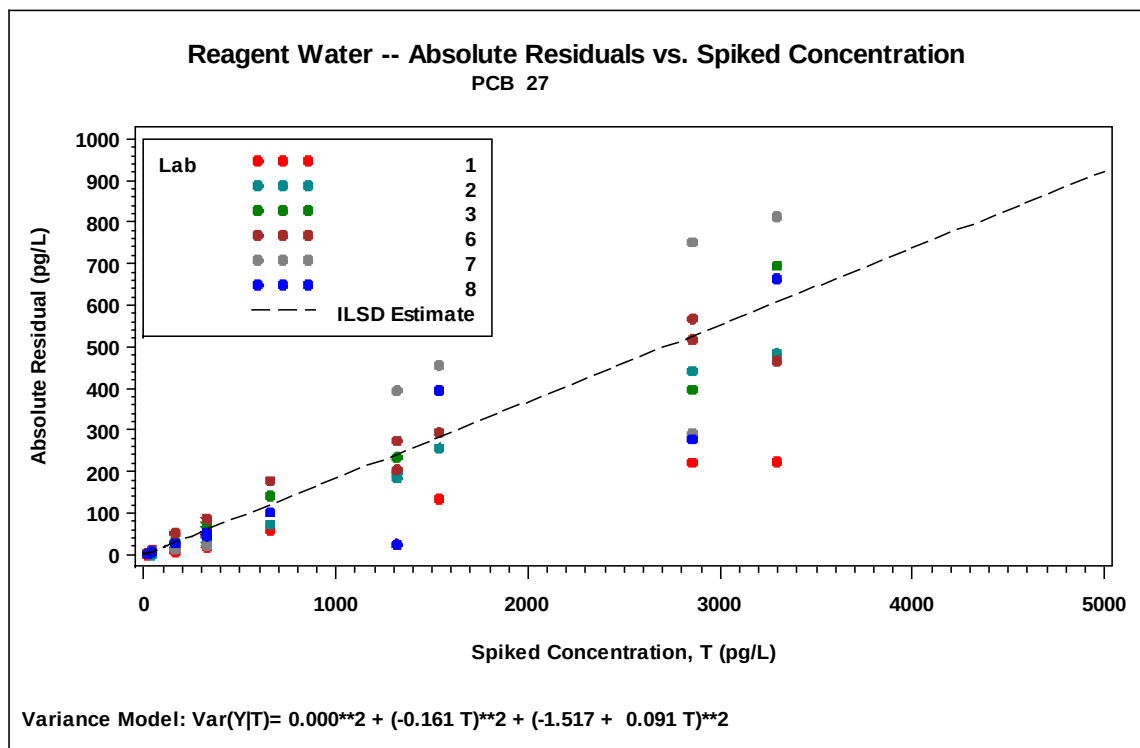
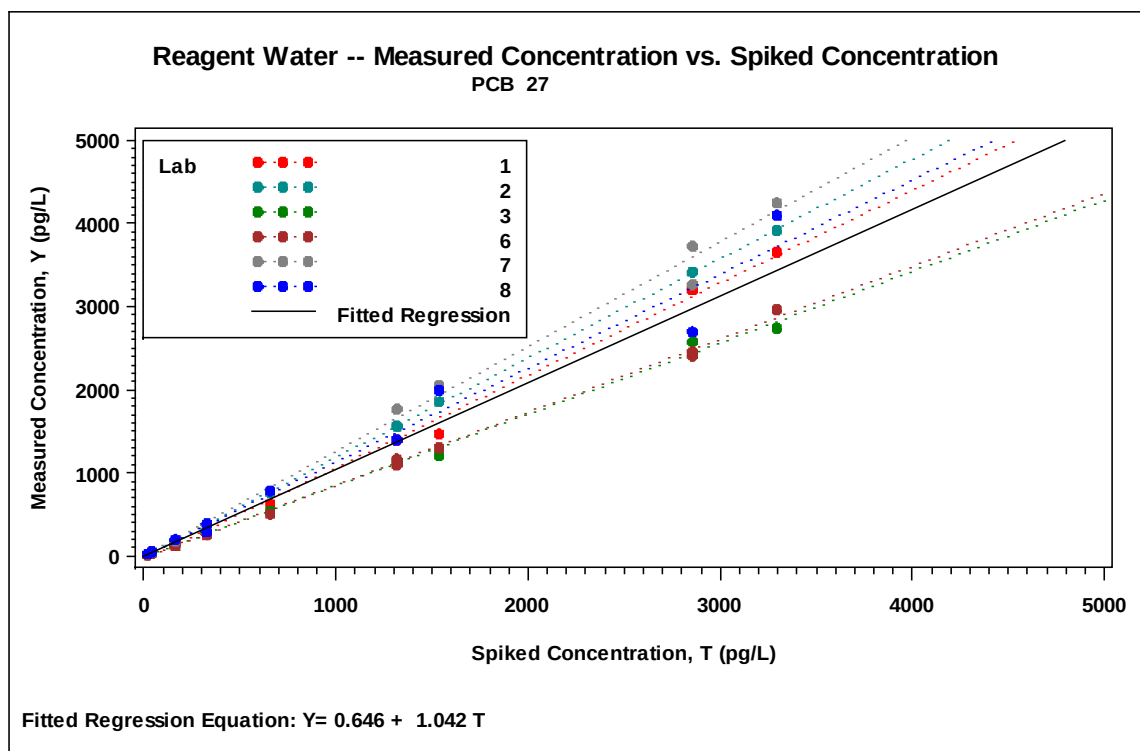


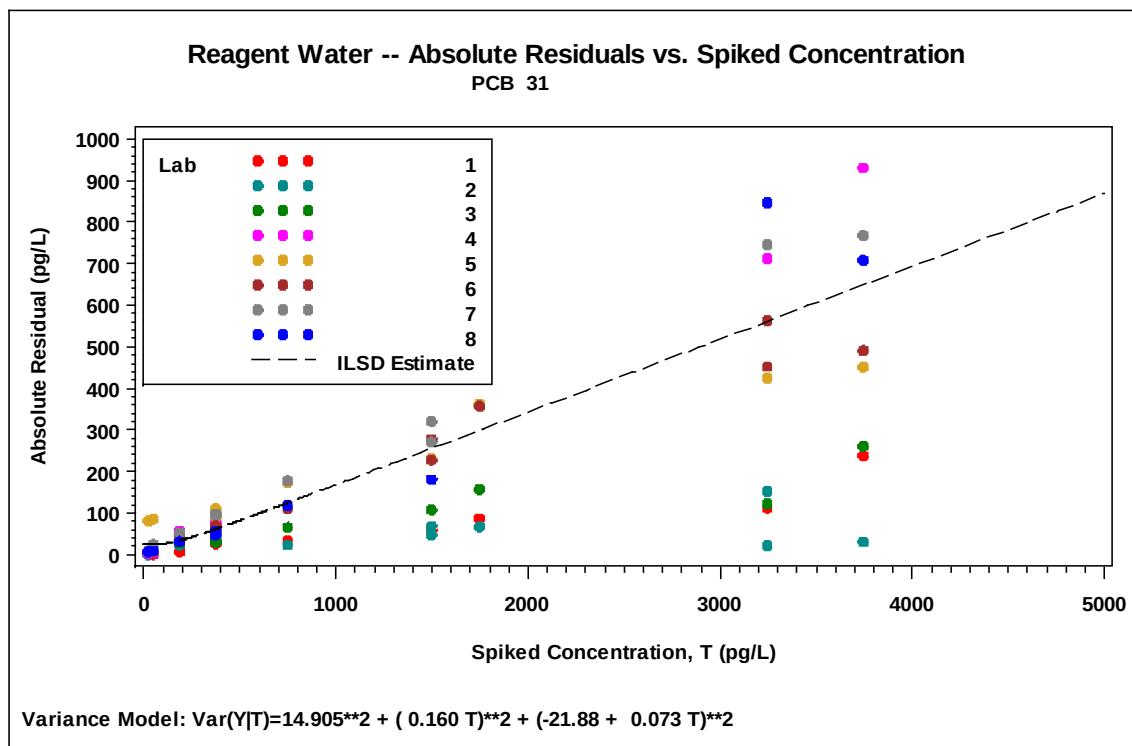
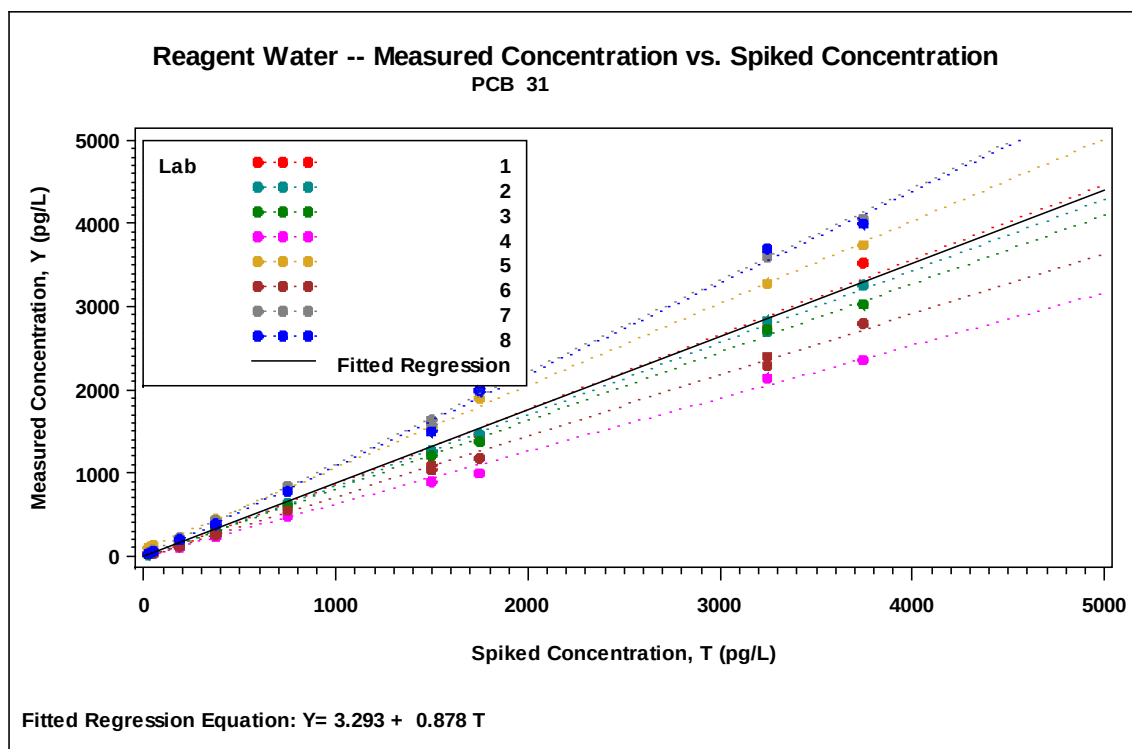


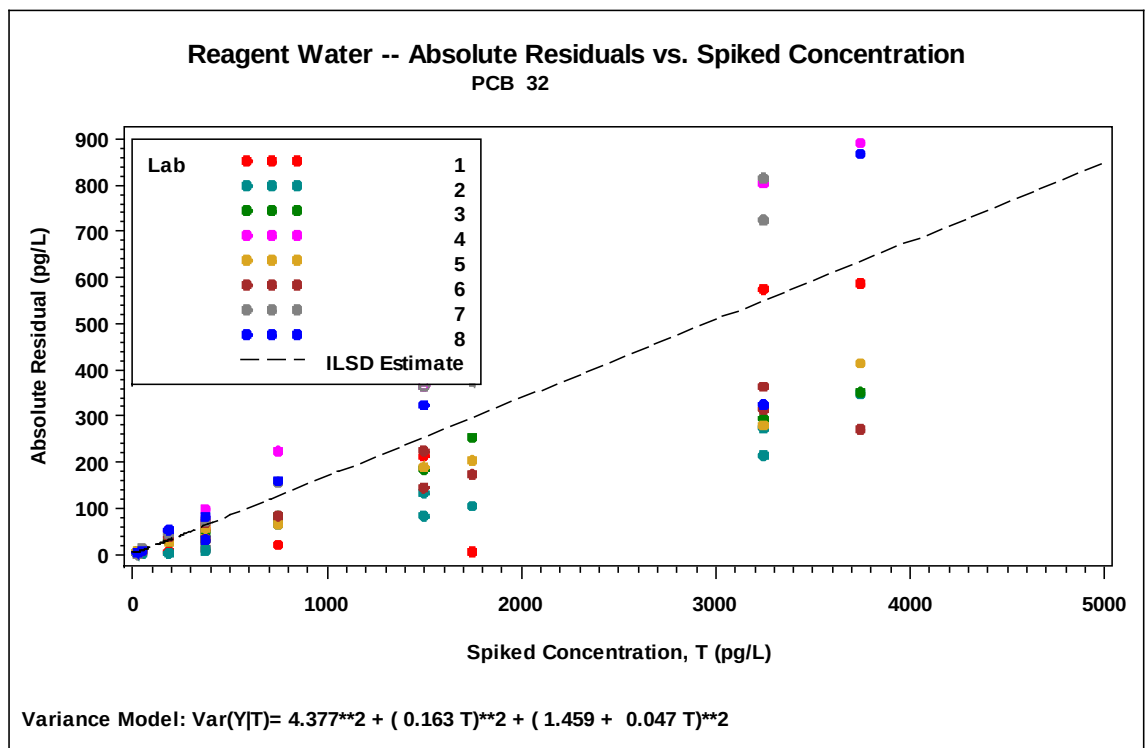
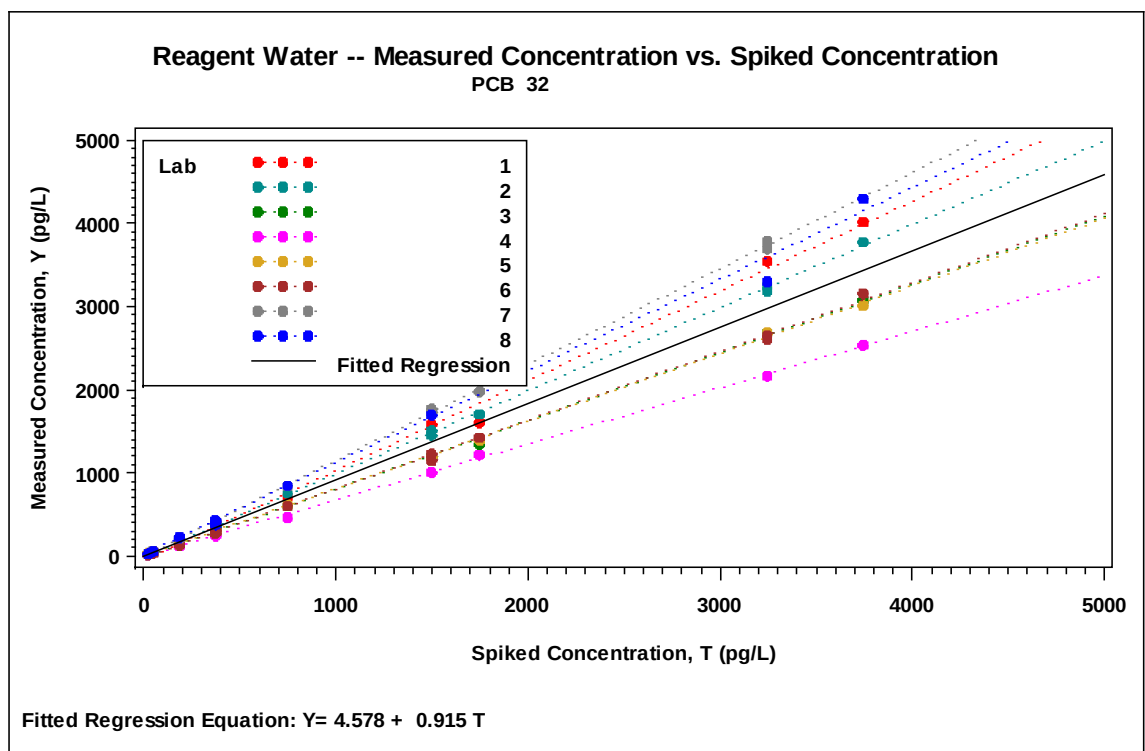


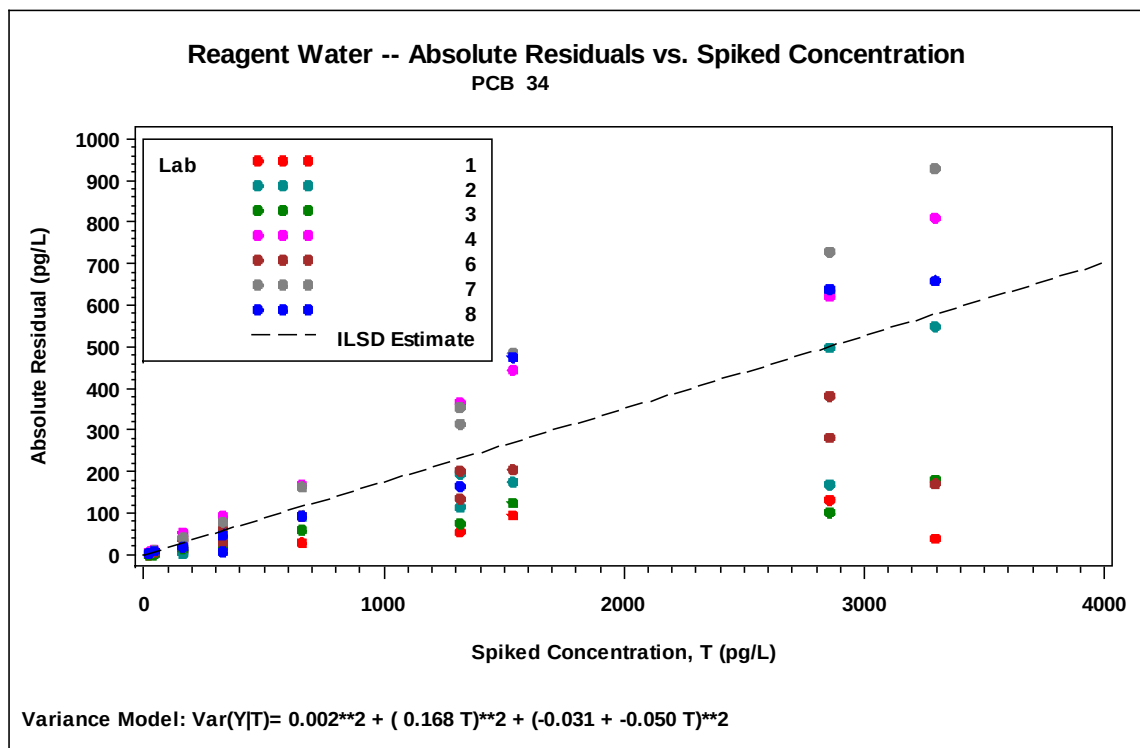
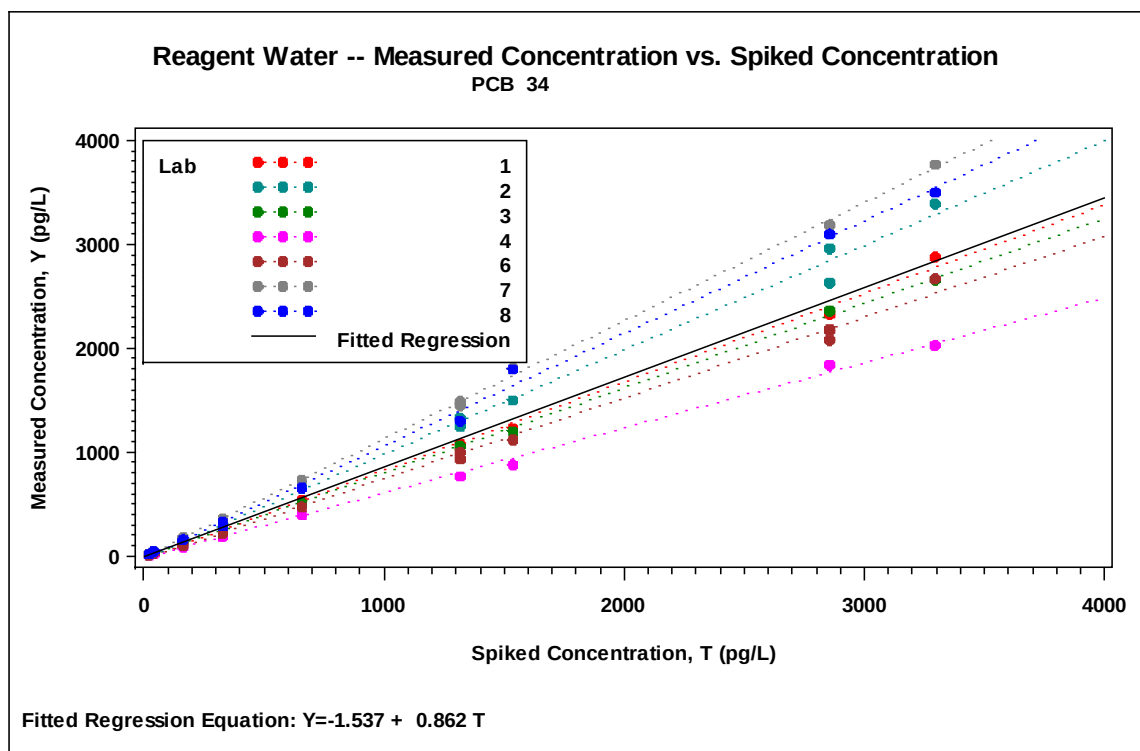


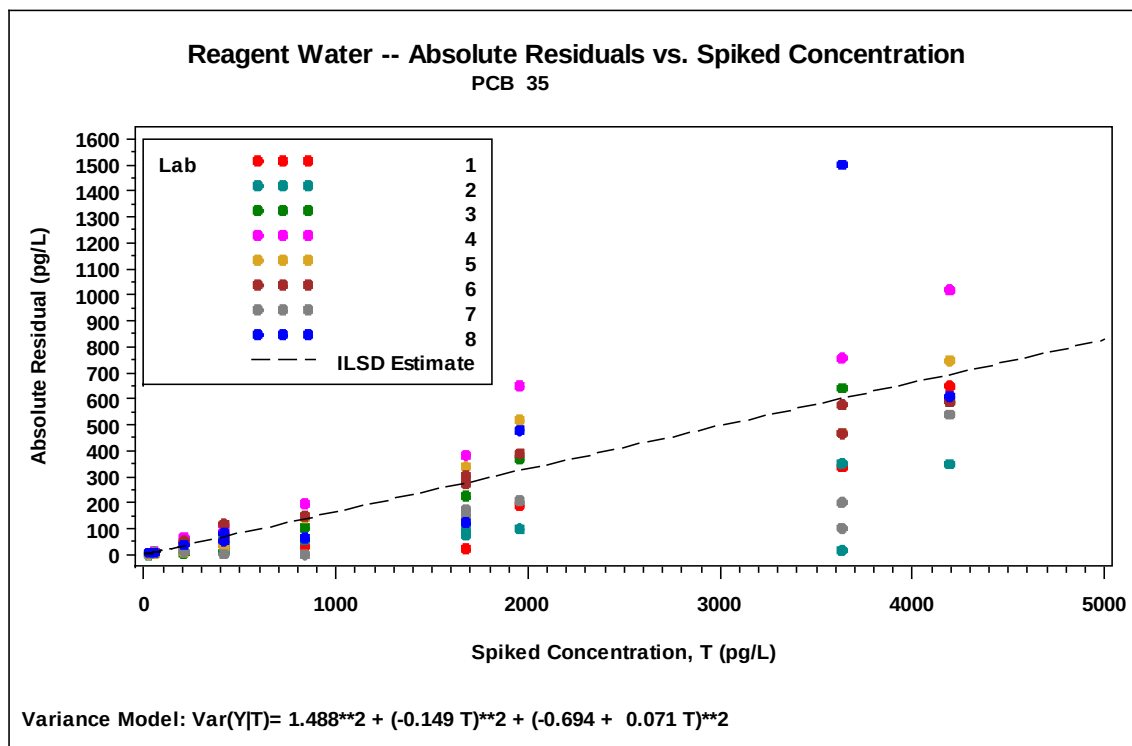
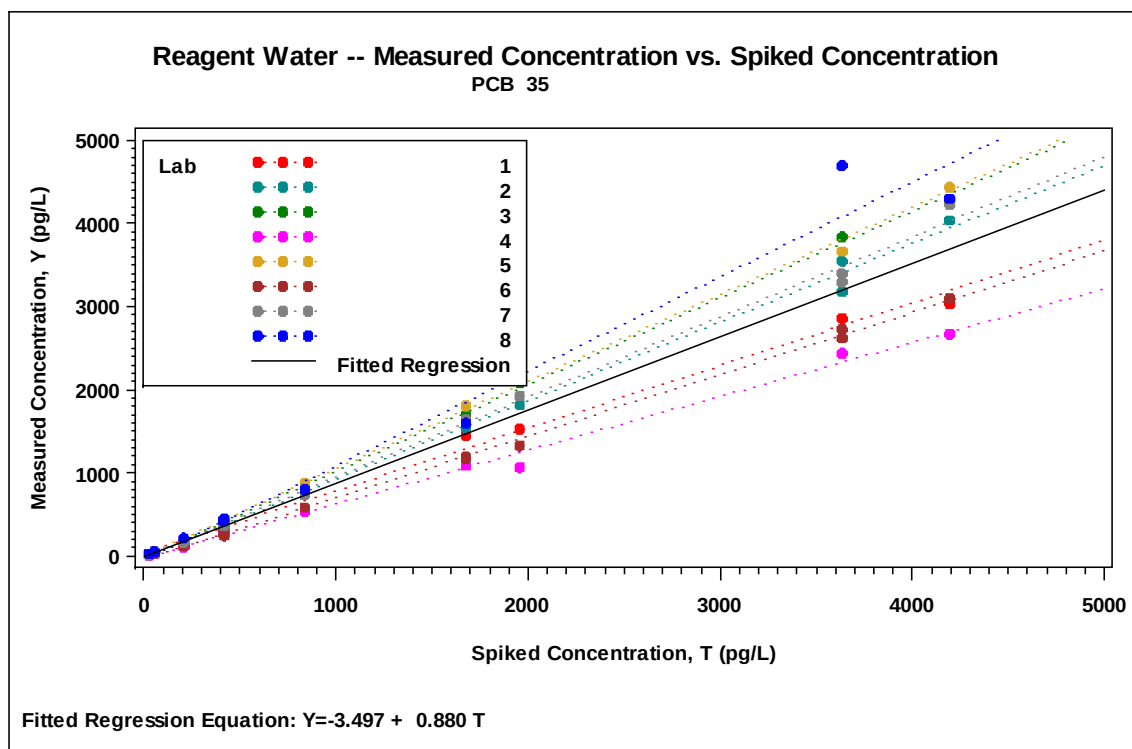


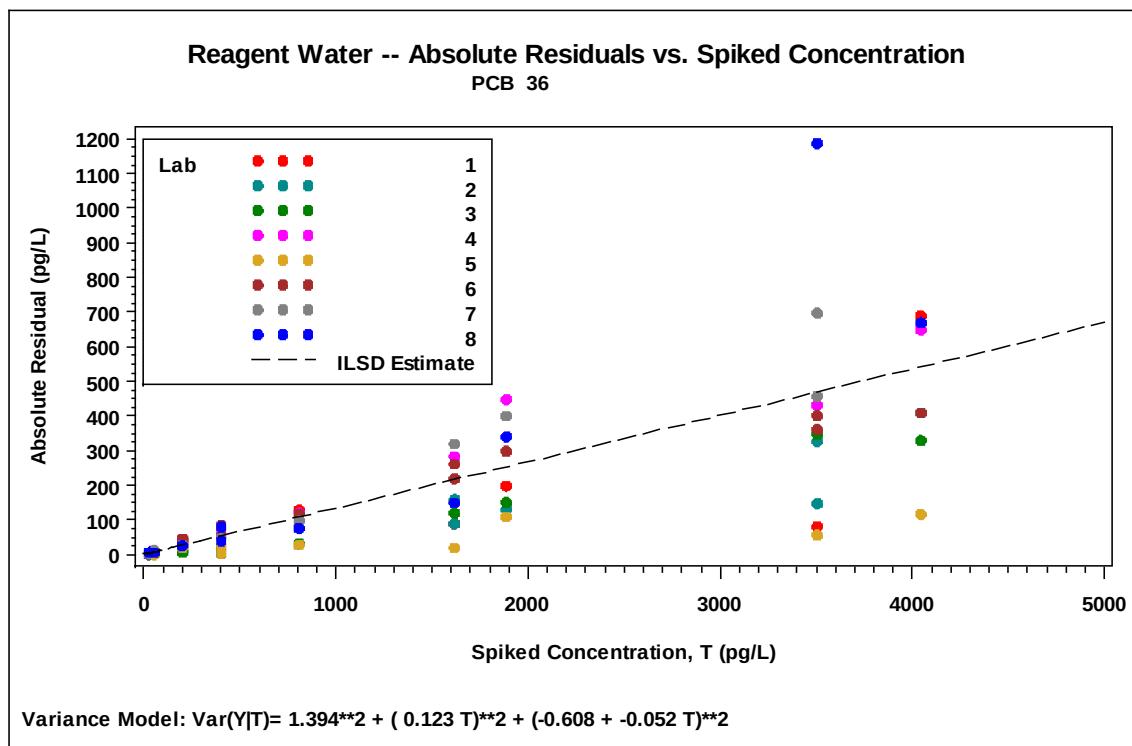
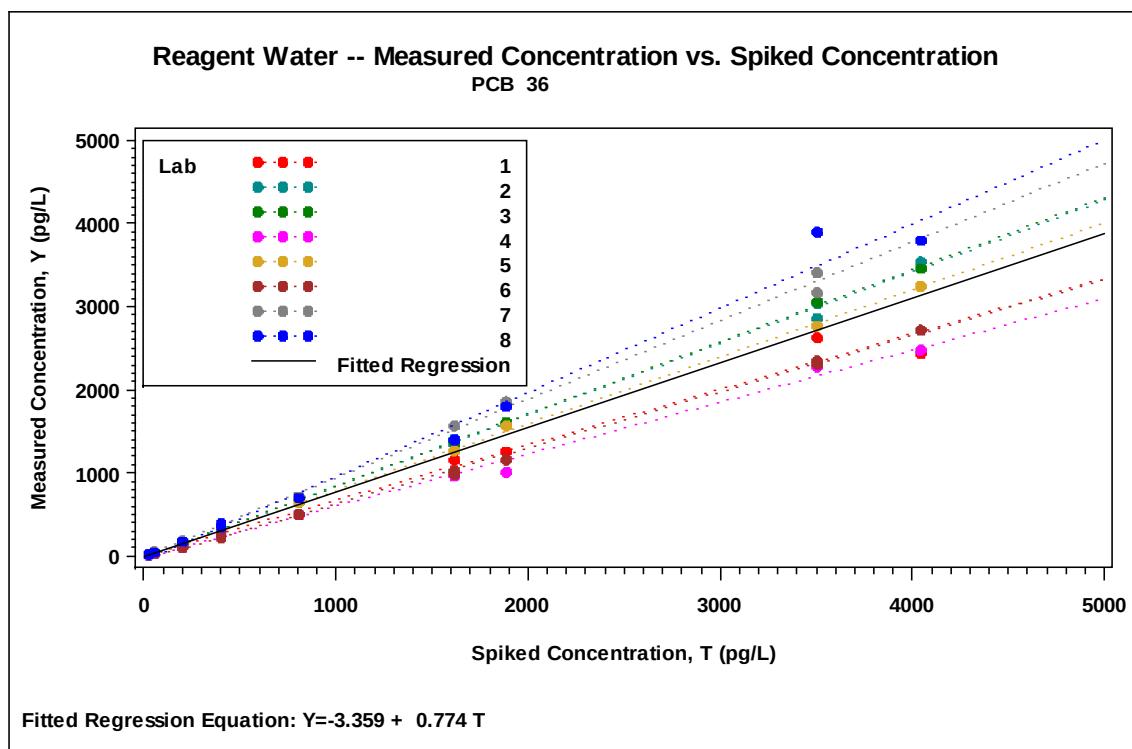


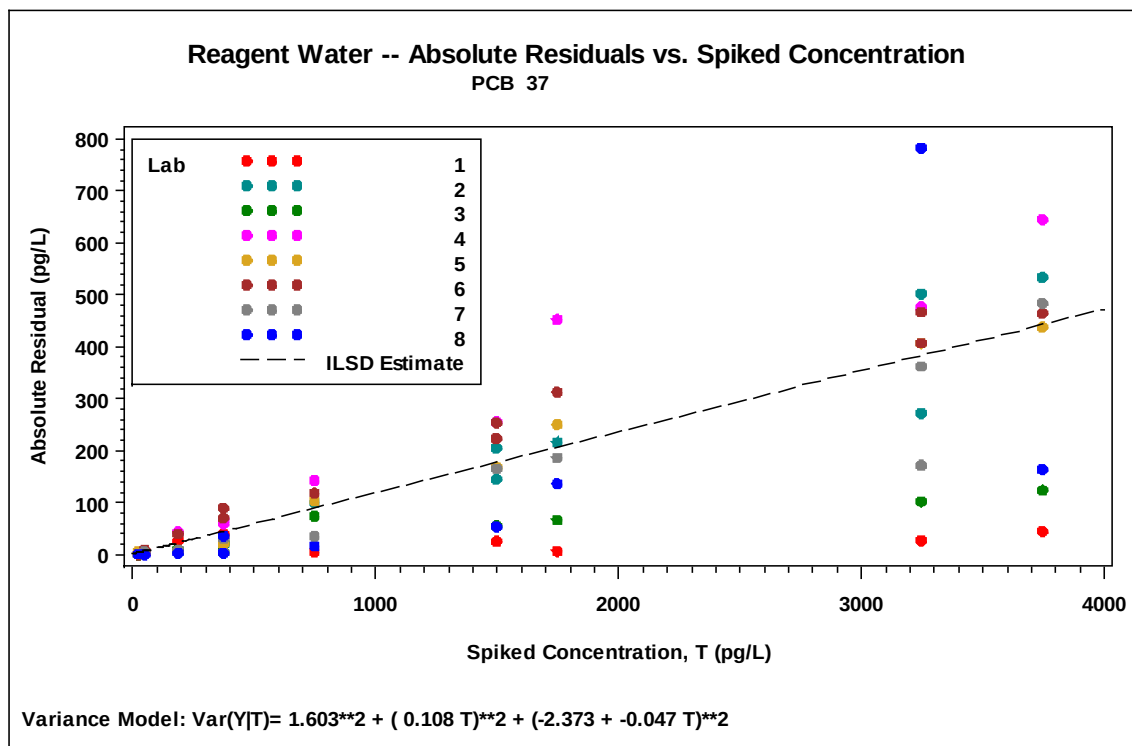
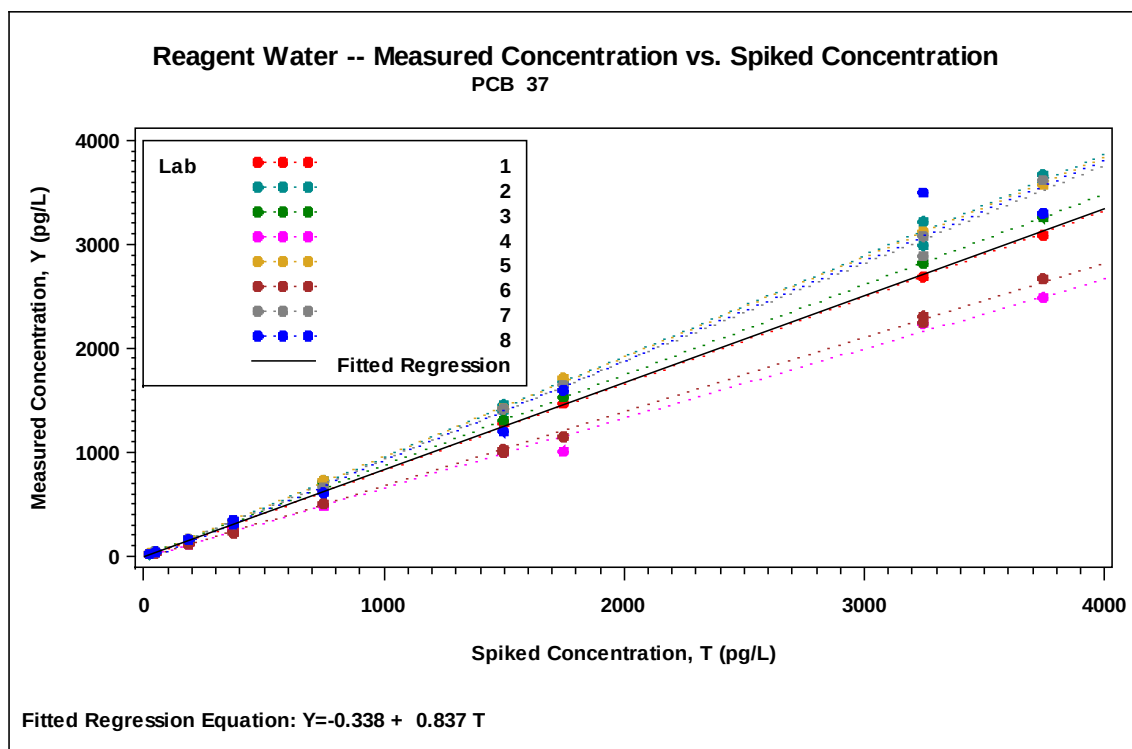


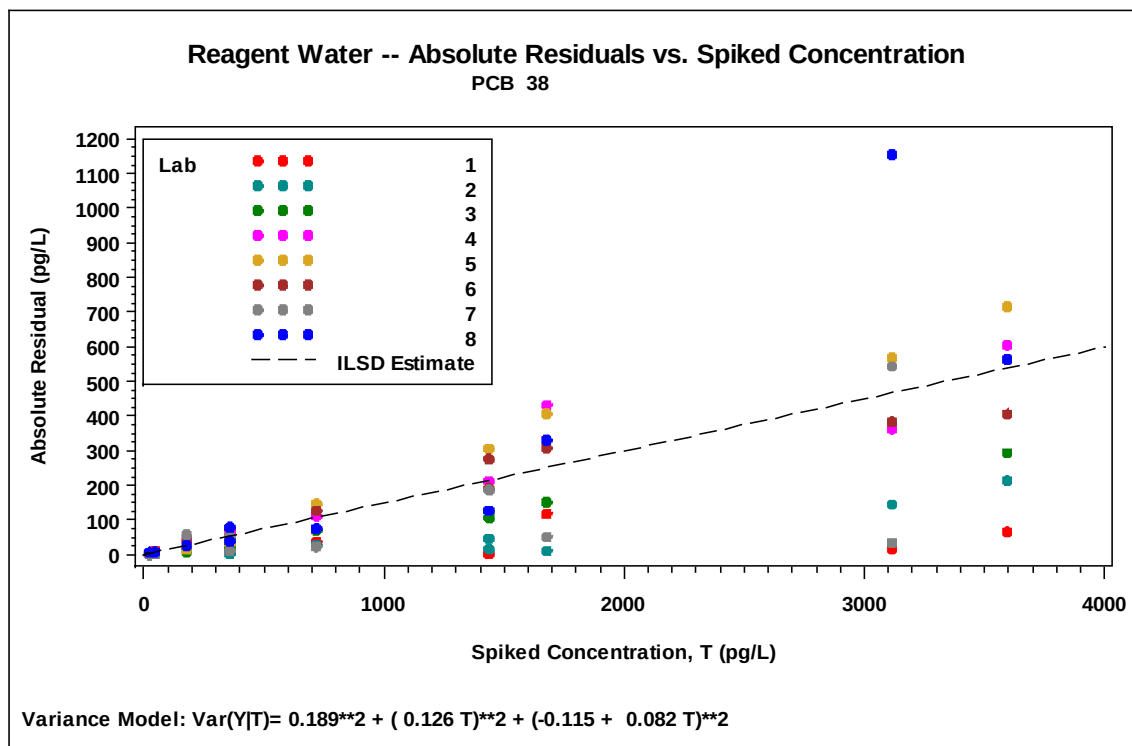
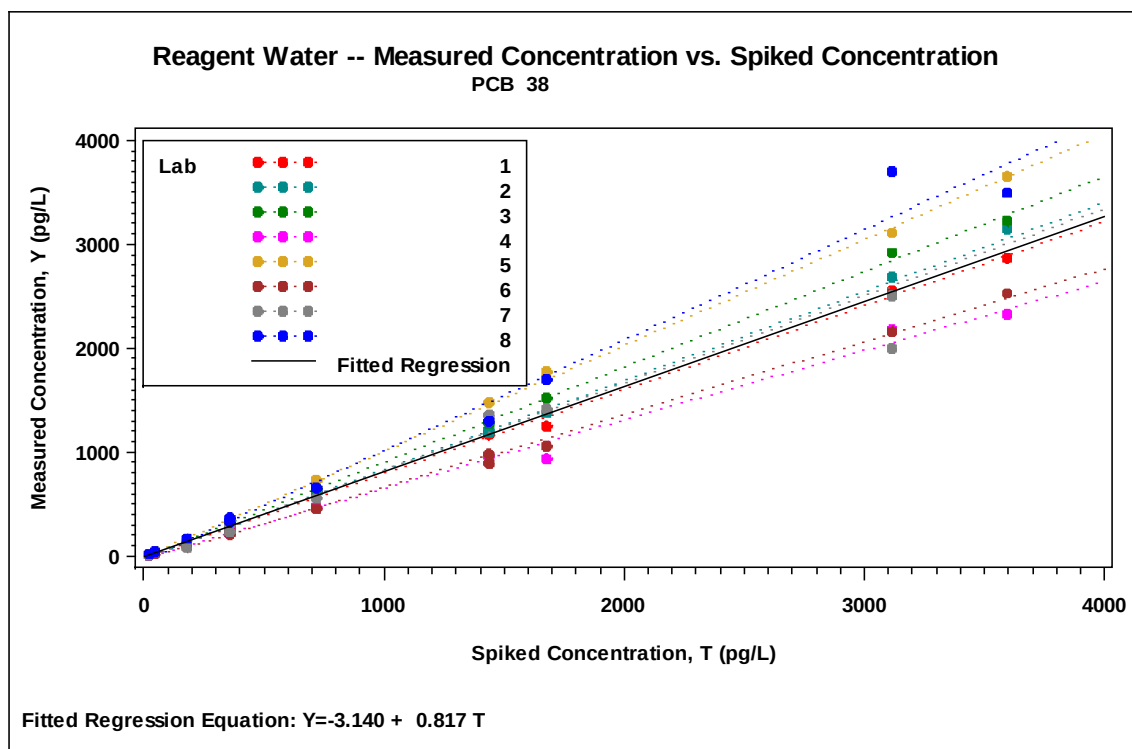


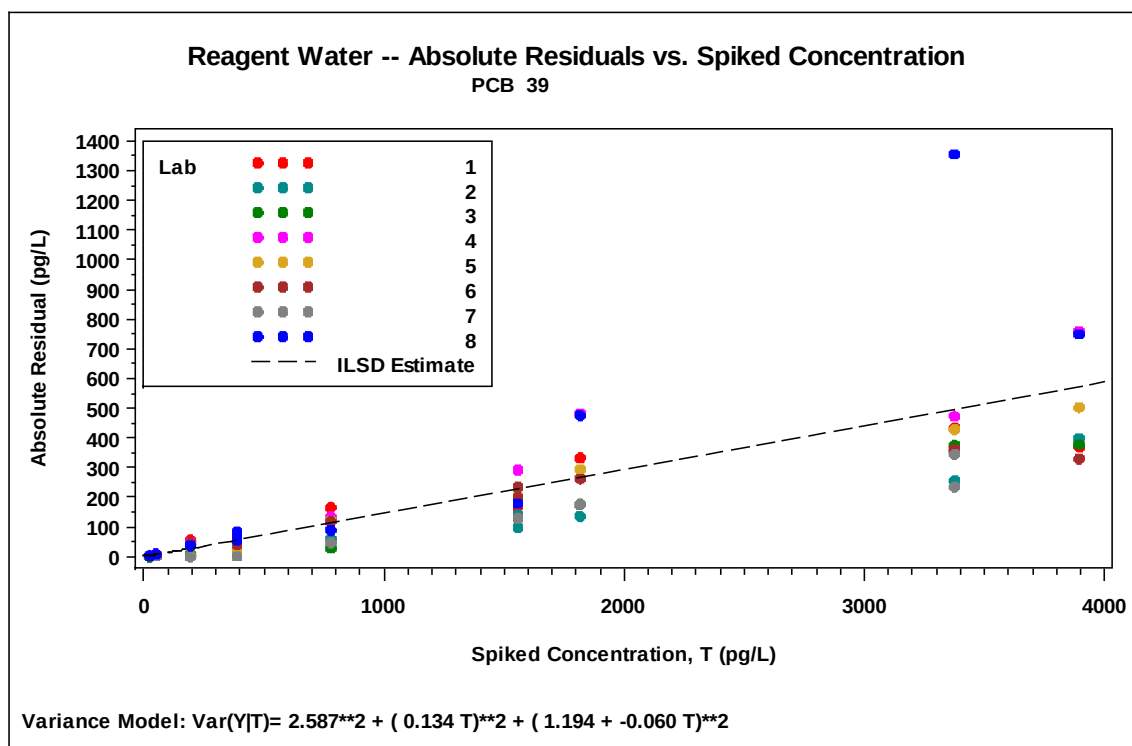
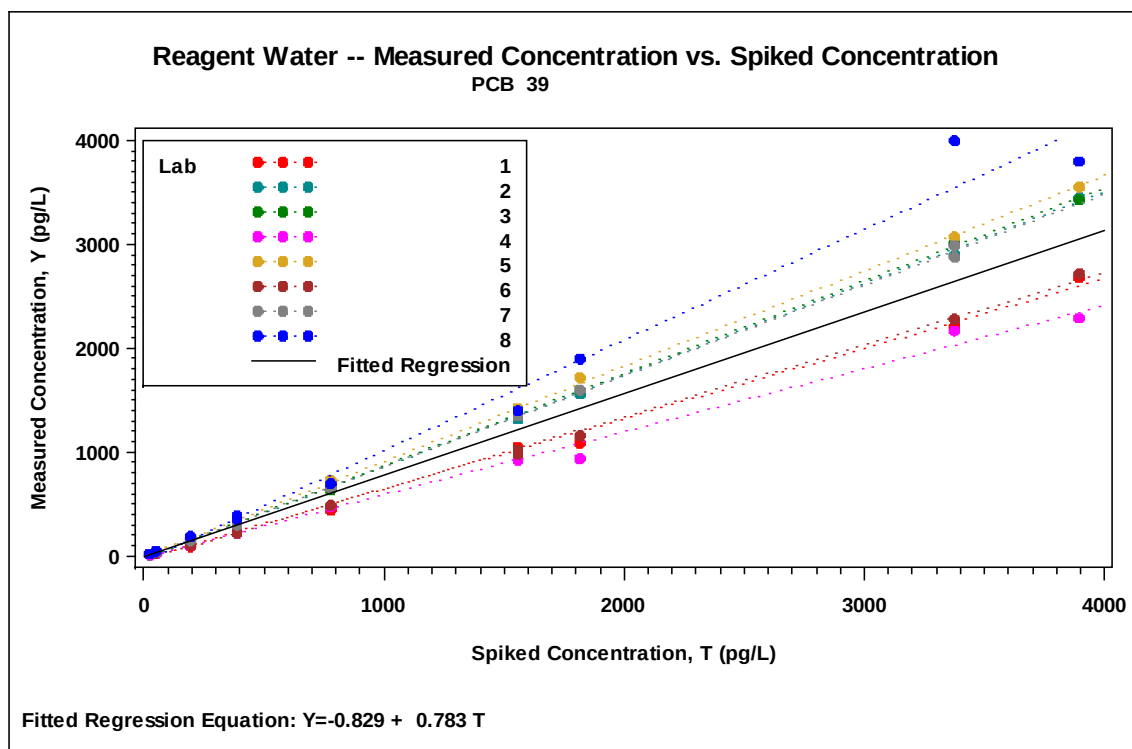


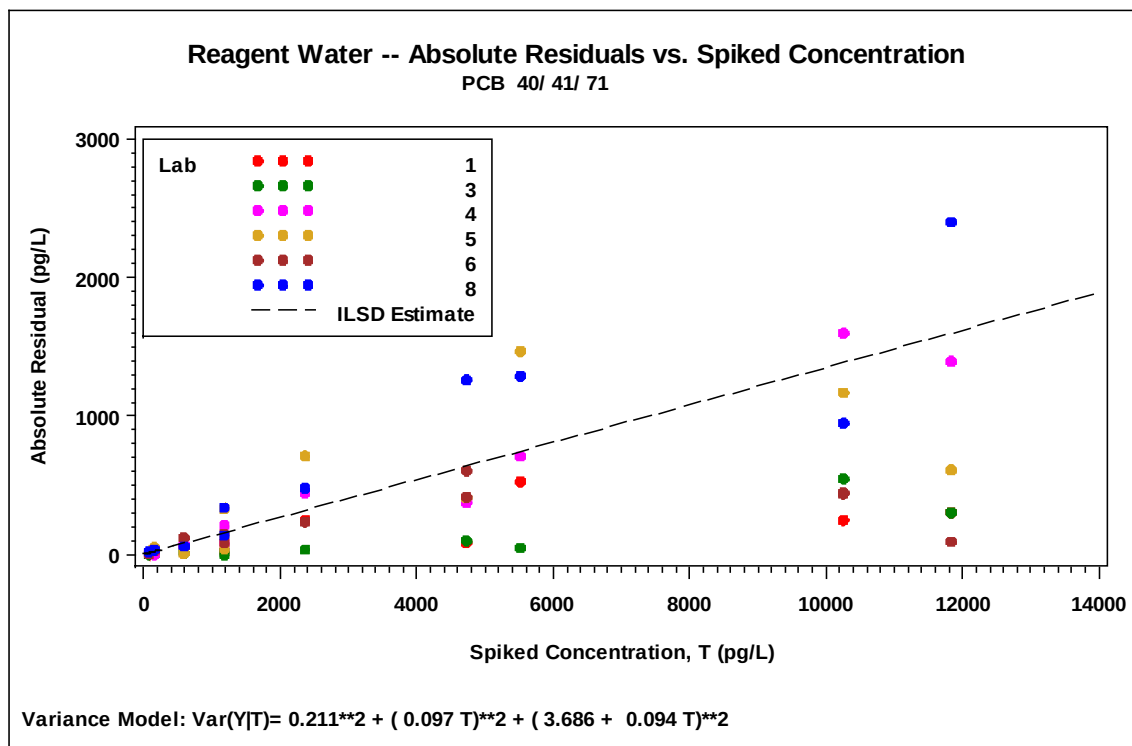
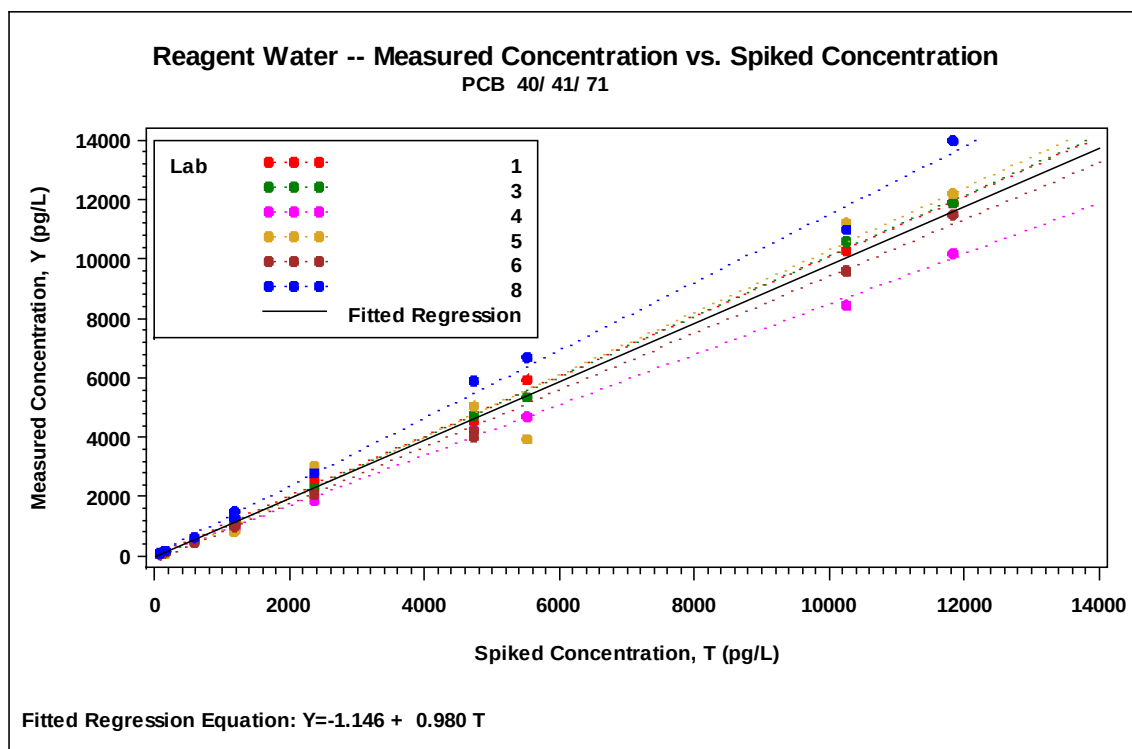


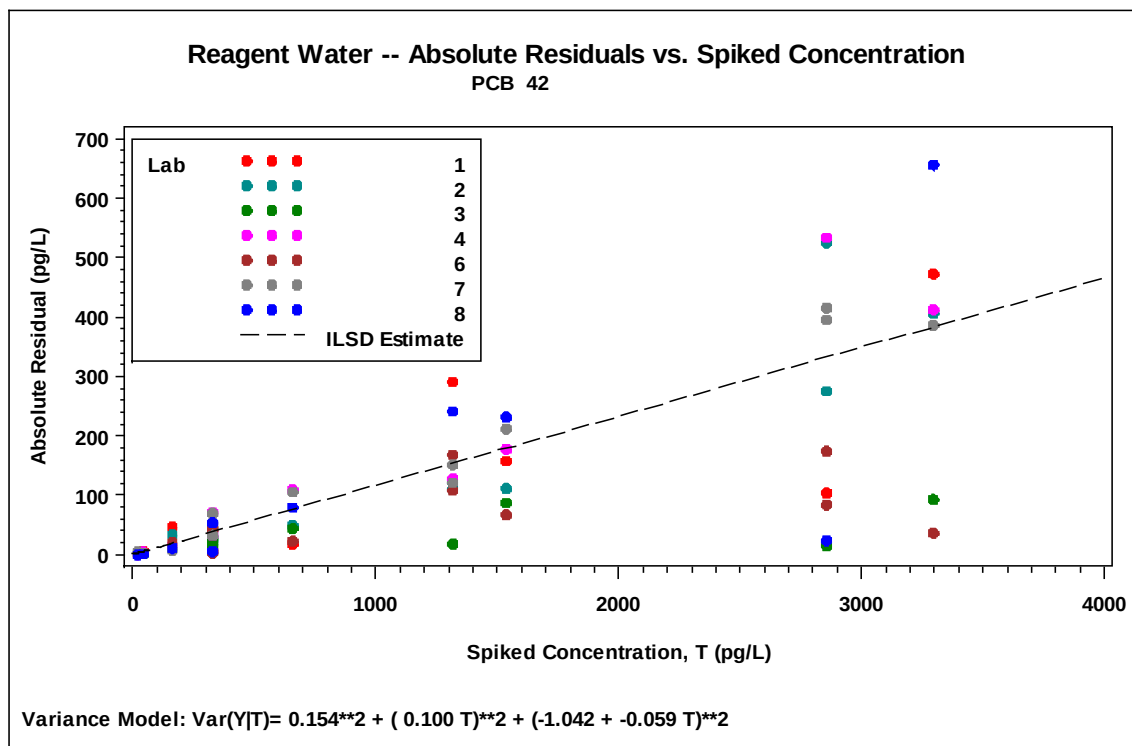
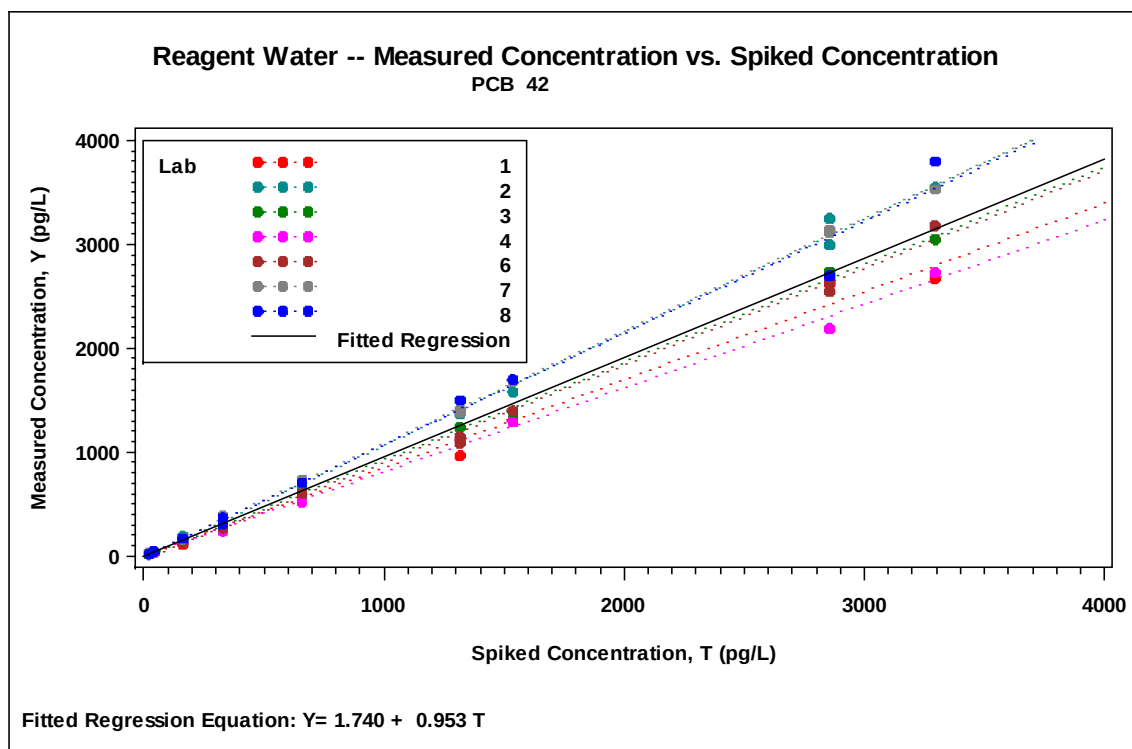


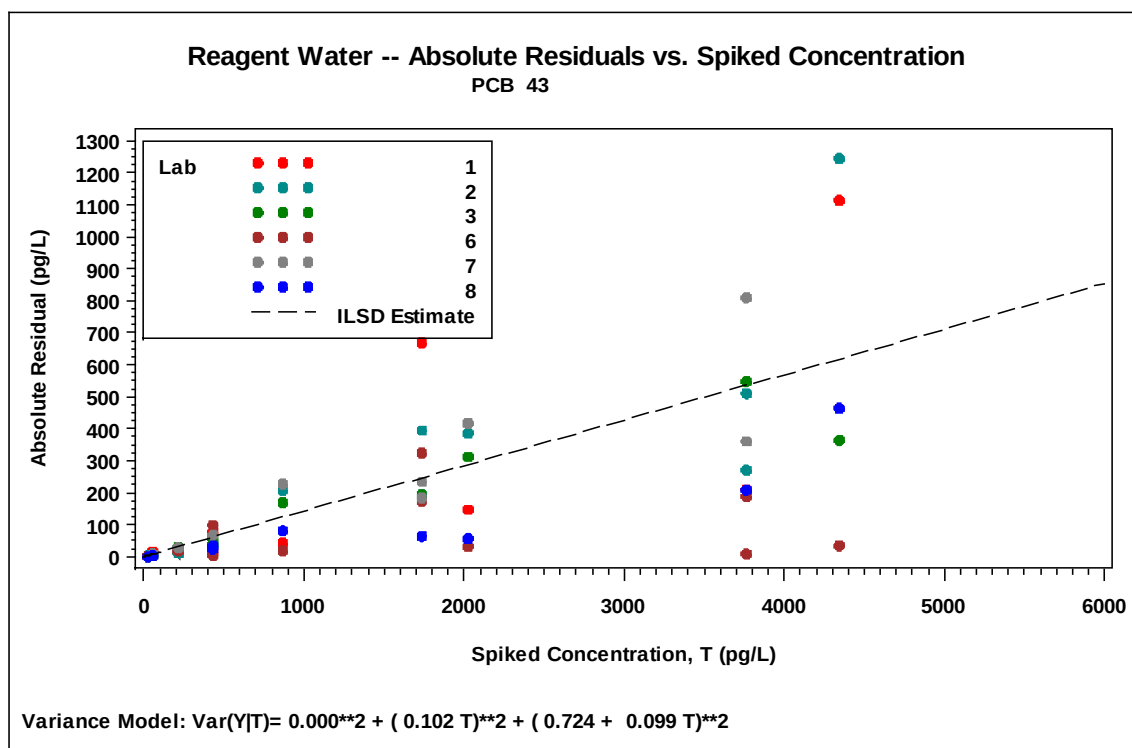
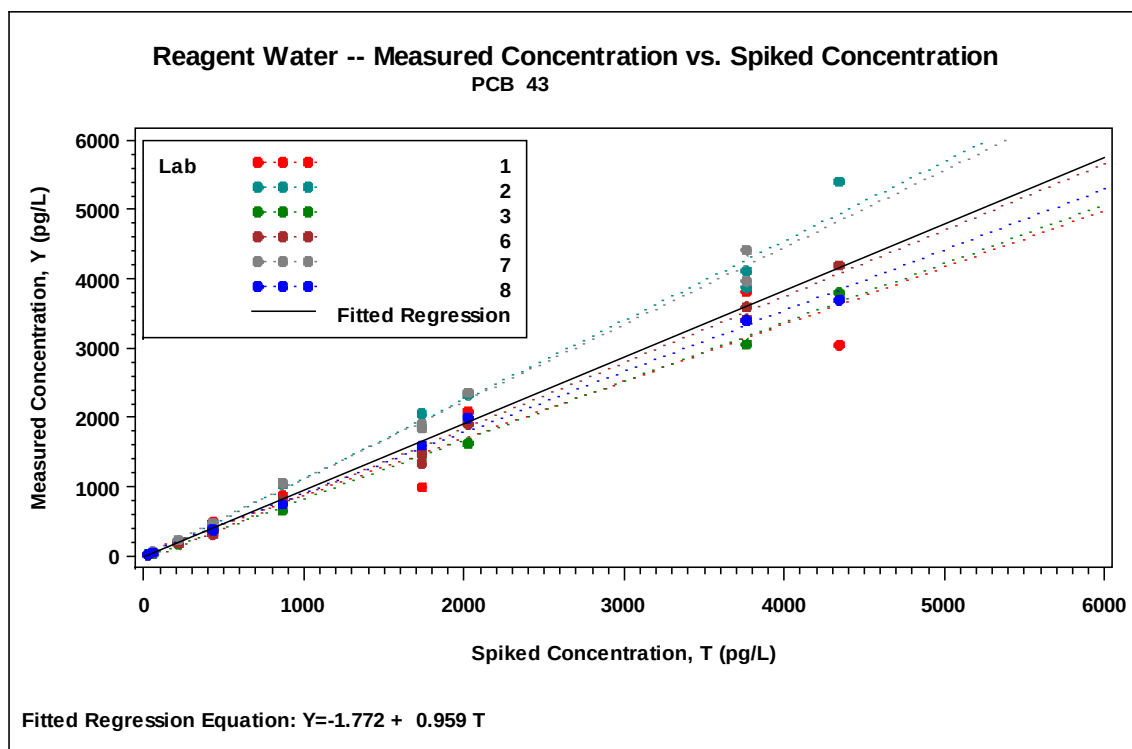


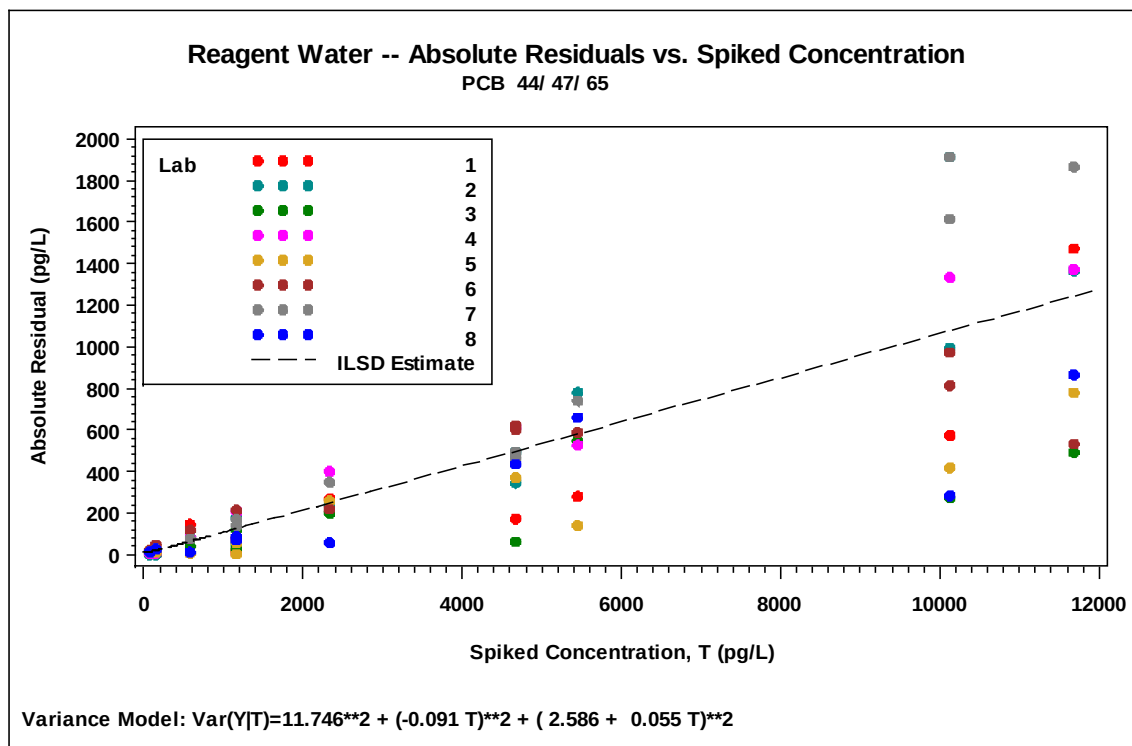
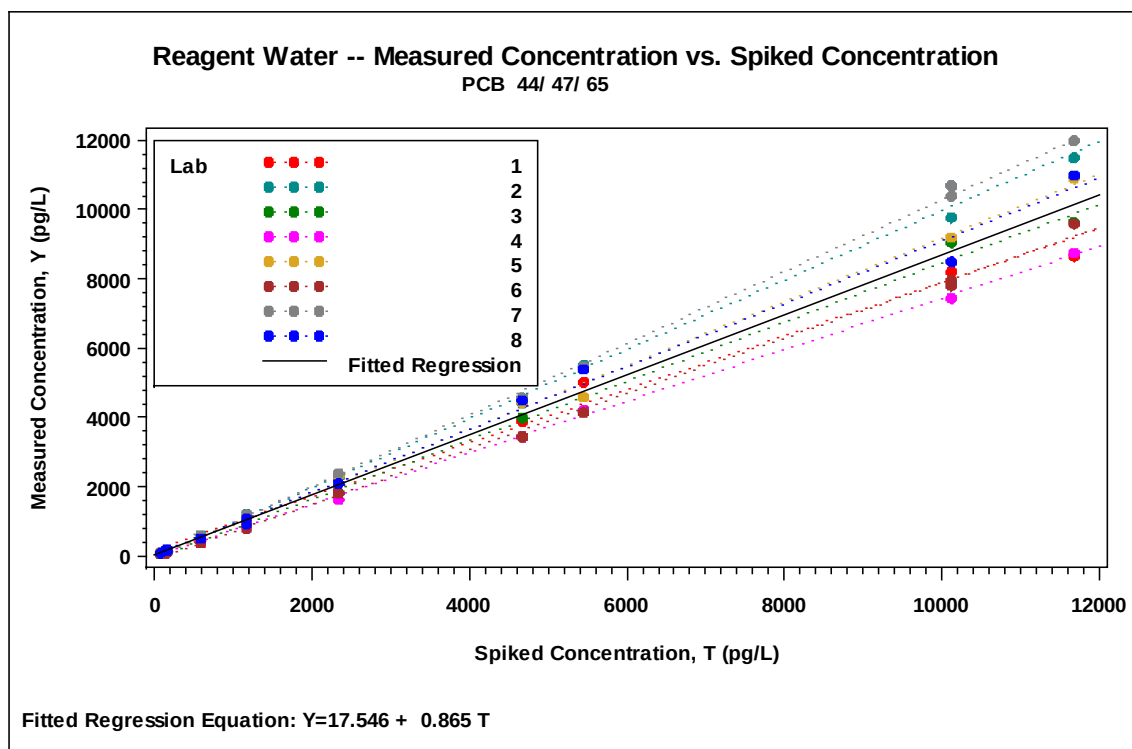




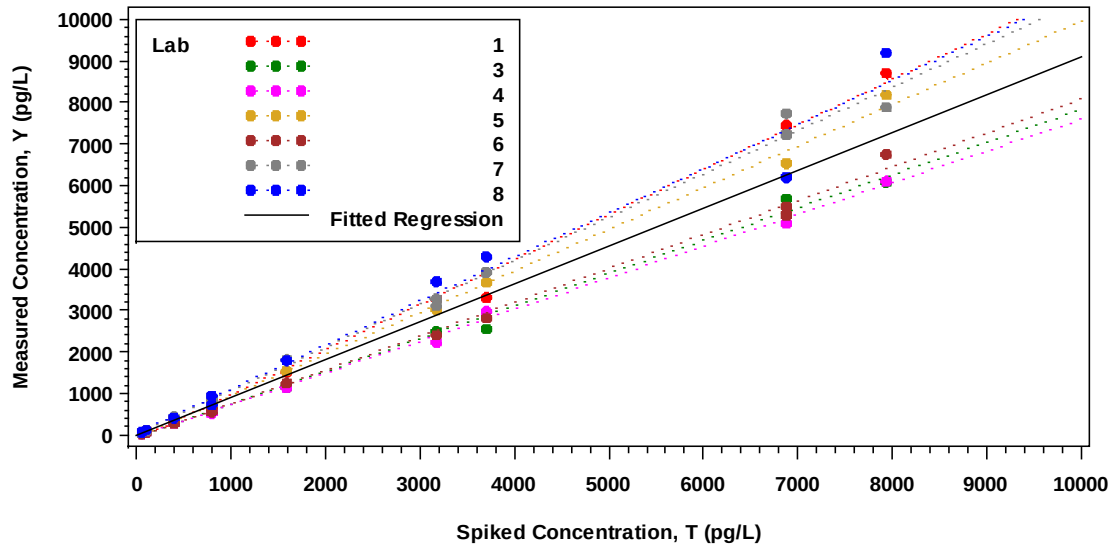




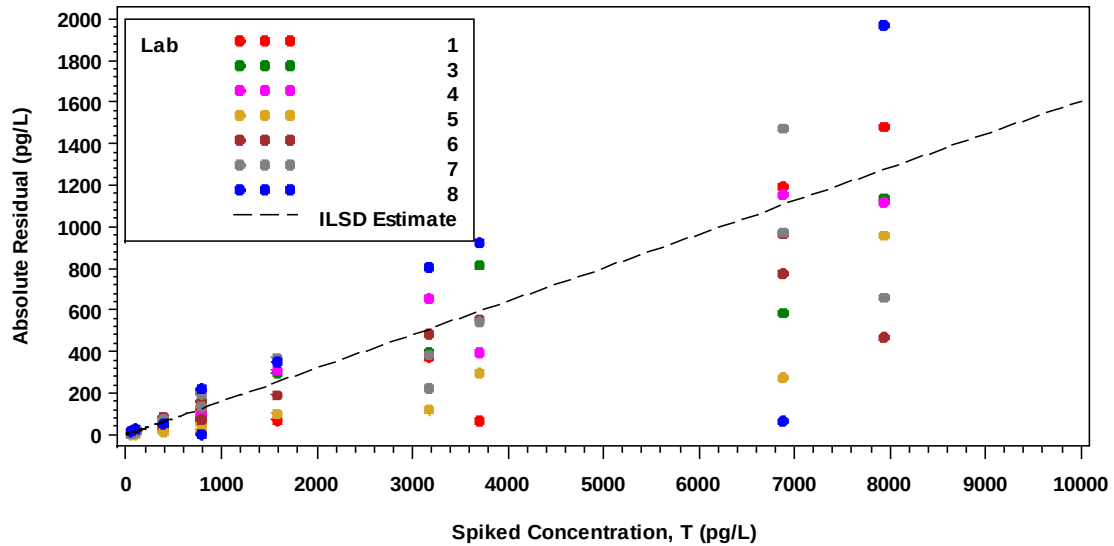


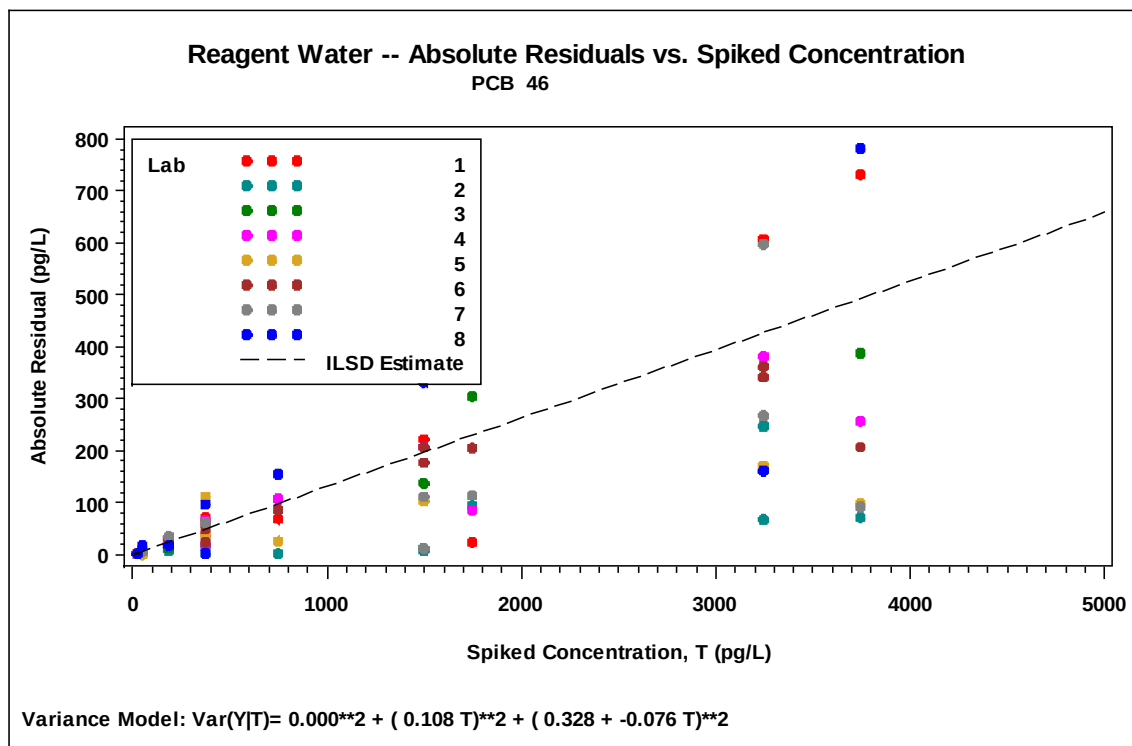
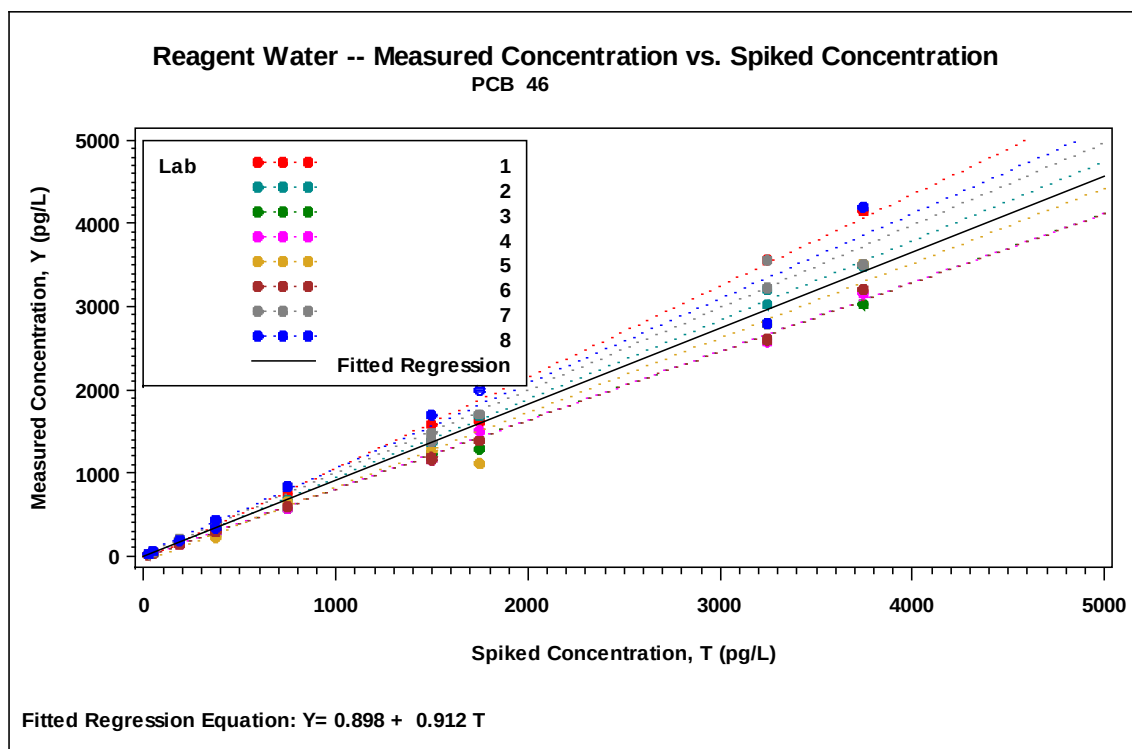


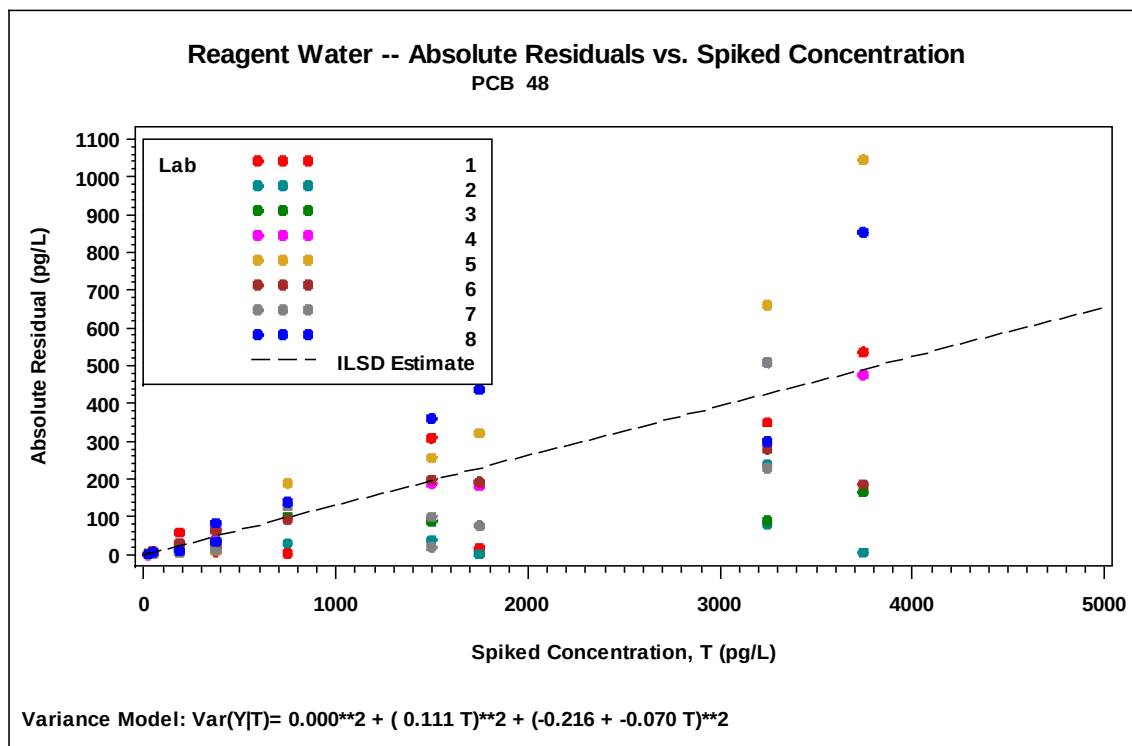
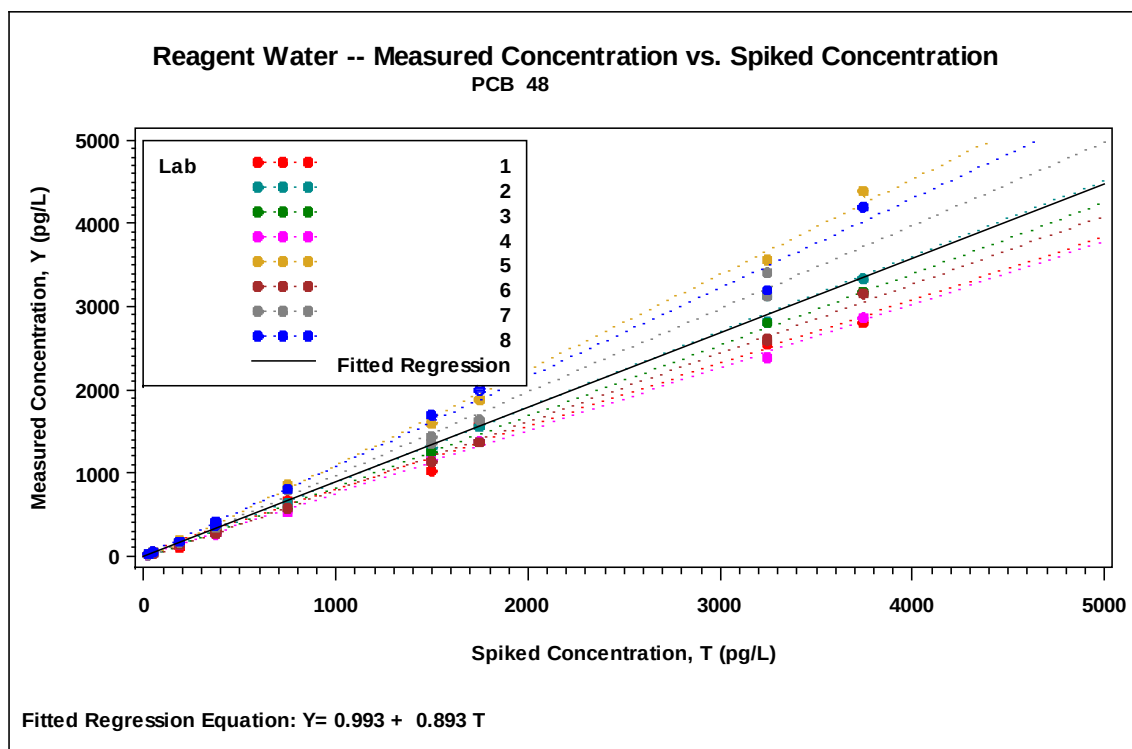
Reagent Water -- Measured Concentration vs. Spiked Concentration
PCB 45/ 51



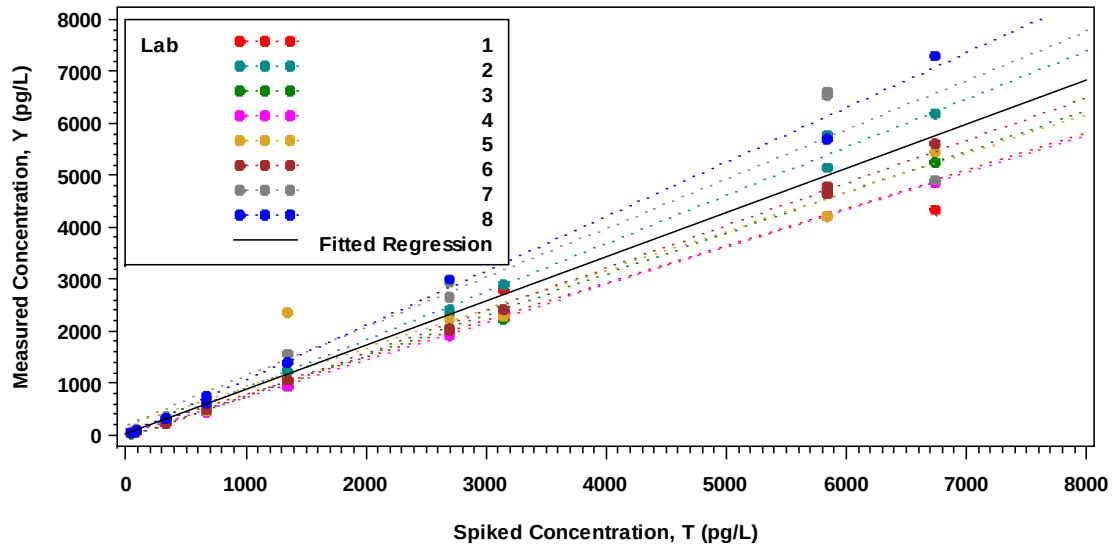
Reagent Water -- Absolute Residuals vs. Spiked Concentration
PCB 45/ 51





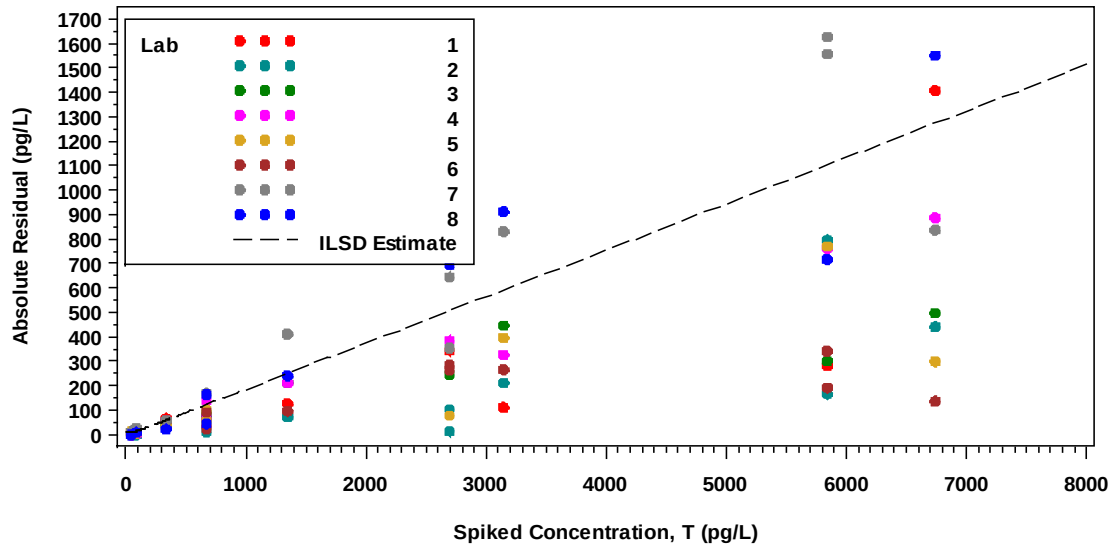


Reagent Water -- Measured Concentration vs. Spiked Concentration
PCB 49/ 69



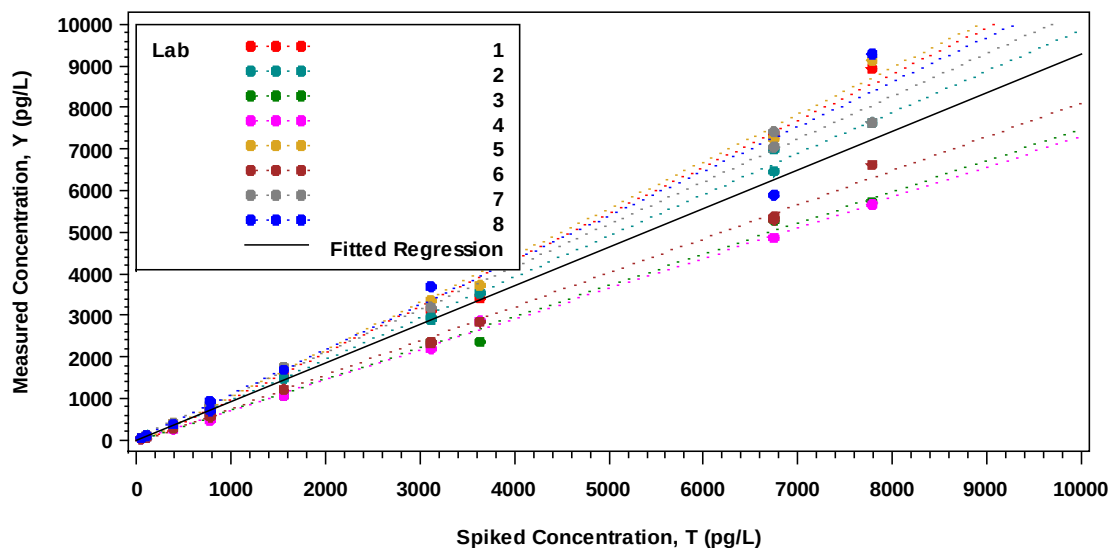
Fitted Regression Equation: $Y = 9.848 + 0.851 T$

Reagent Water -- Absolute Residuals vs. Spiked Concentration
PCB 49/ 69



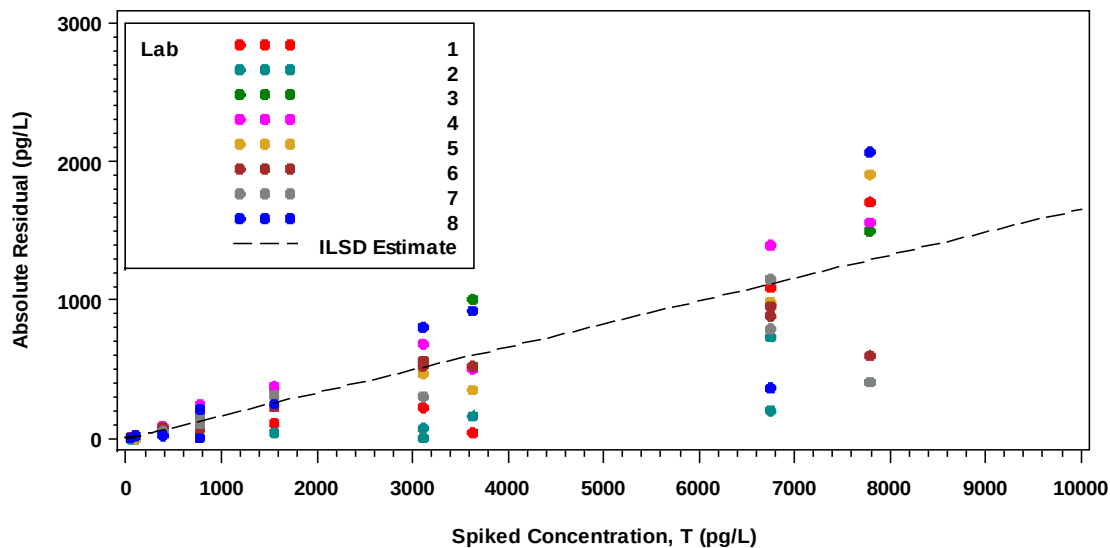
Variance Model: $\text{Var}(Y|T) = 7.081^{**2} + (0.124 T)^{**2} + (6.410 + -0.143 T)^{**2}$

Reagent Water -- Measured Concentration vs. Spiked Concentration
PCB 50/ 53

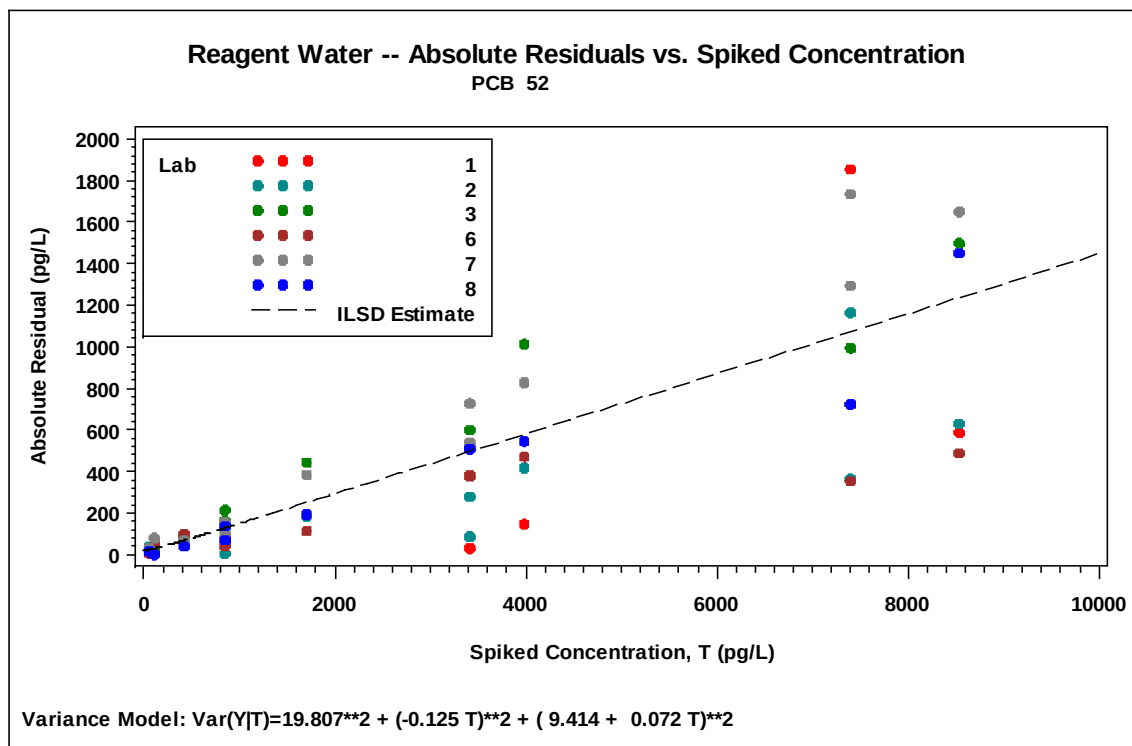
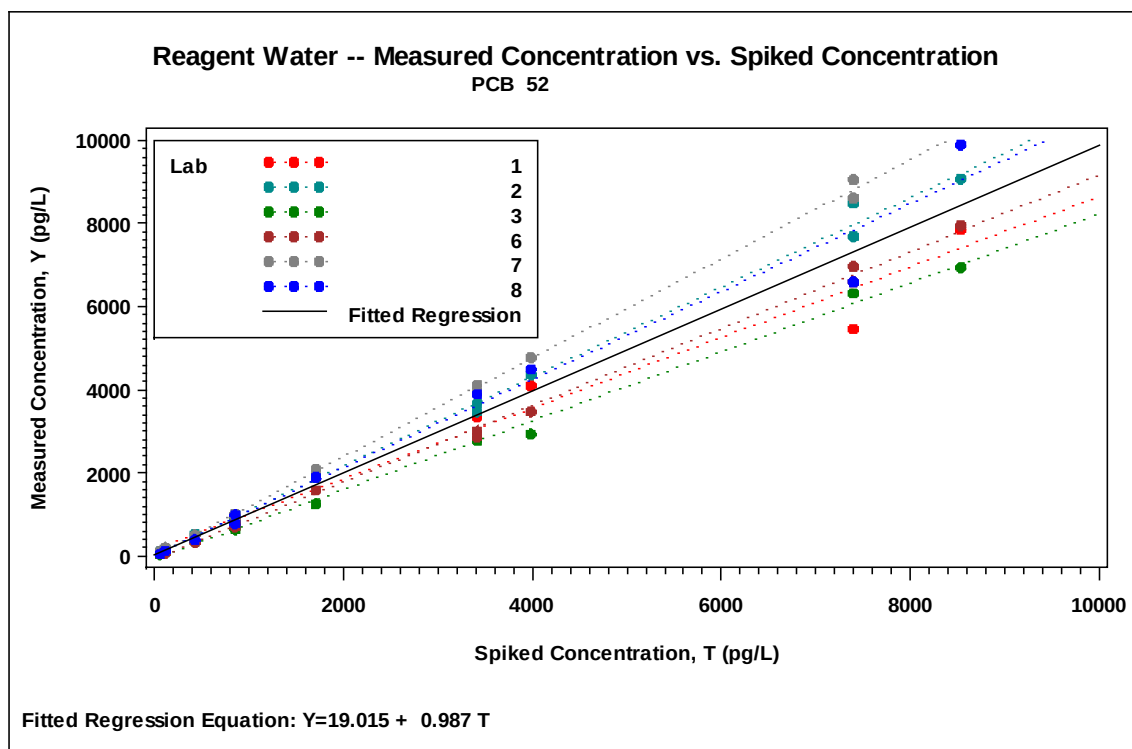


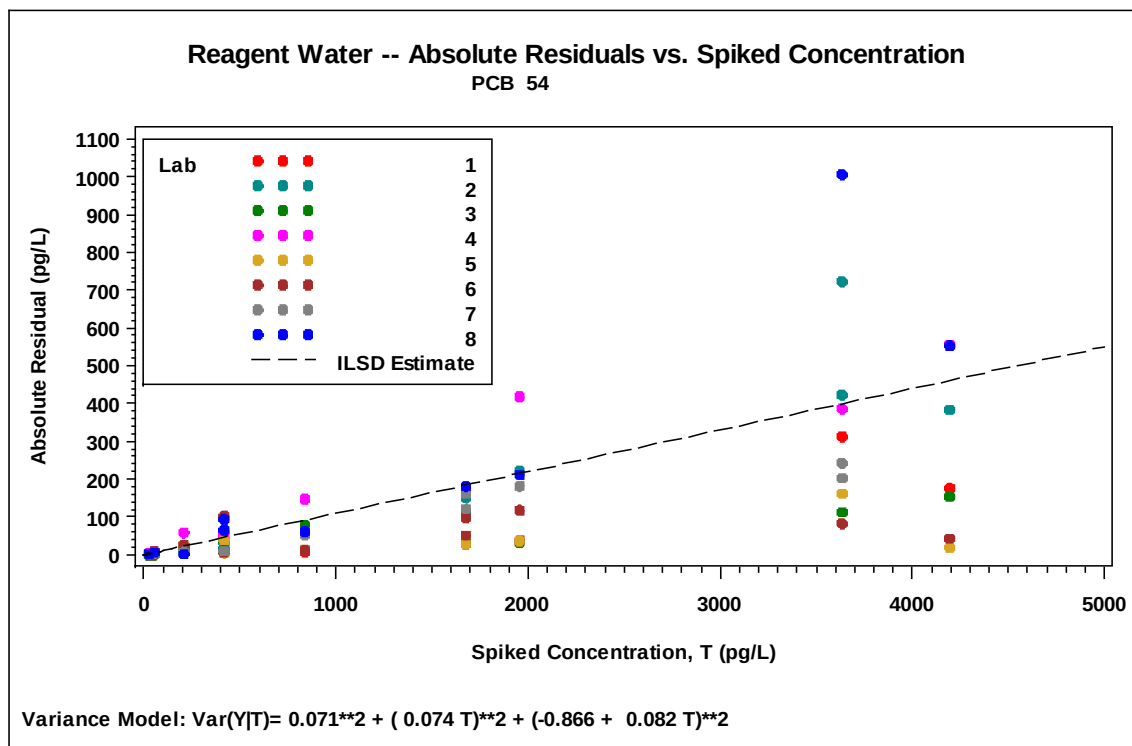
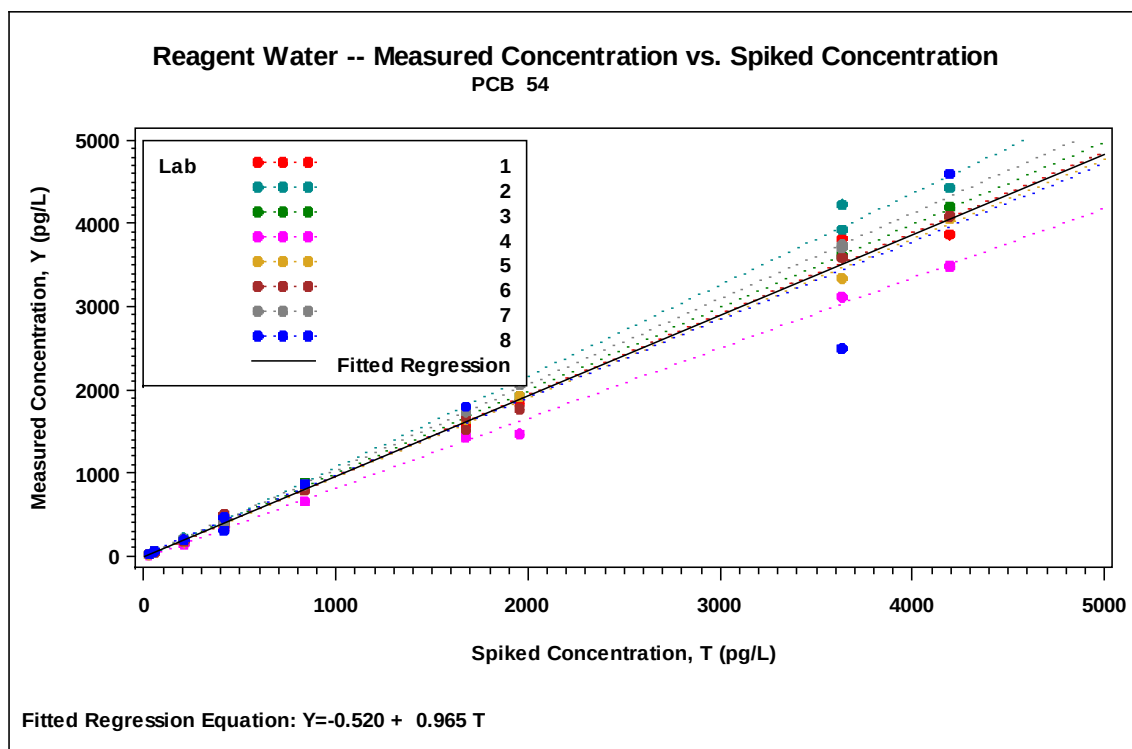
Fitted Regression Equation: $Y = 2.924 + 0.928 T$

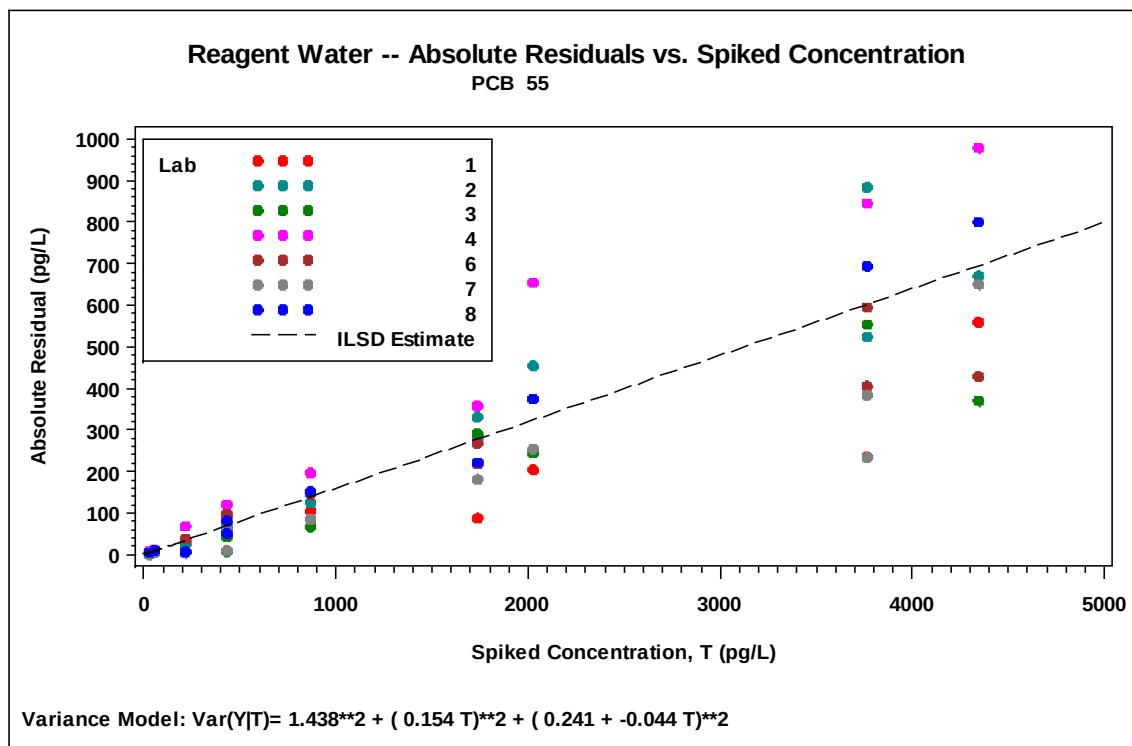
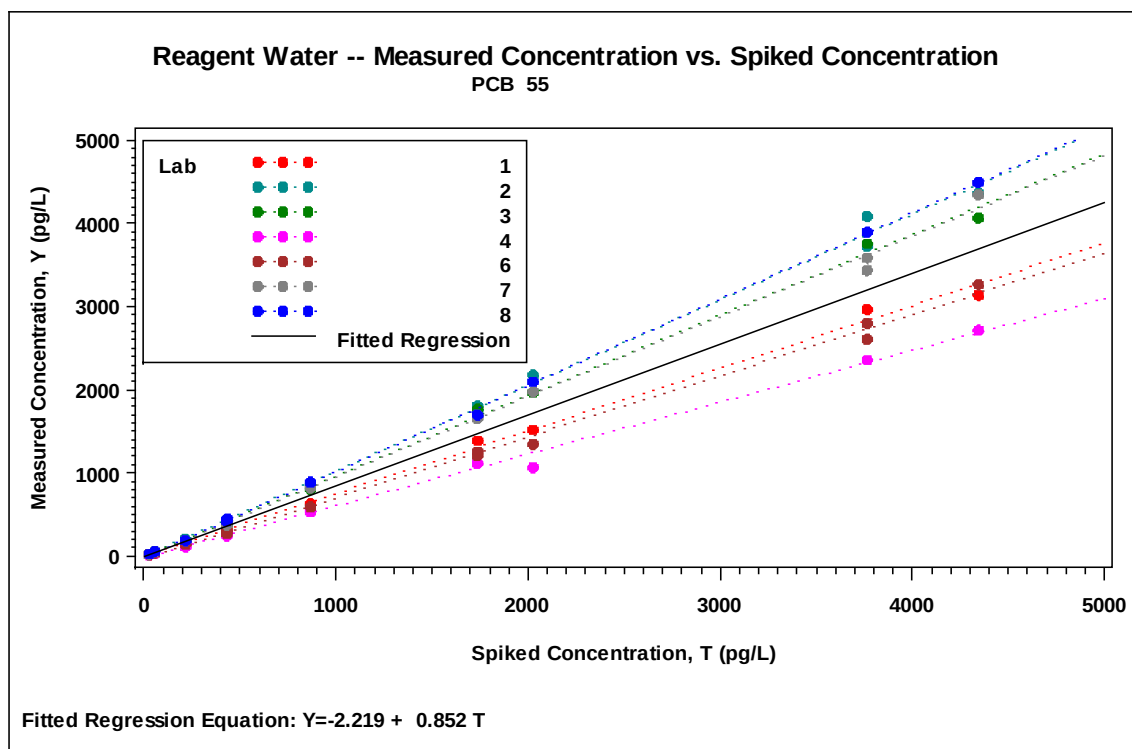
Reagent Water -- Absolute Residuals vs. Spiked Concentration
PCB 50/ 53

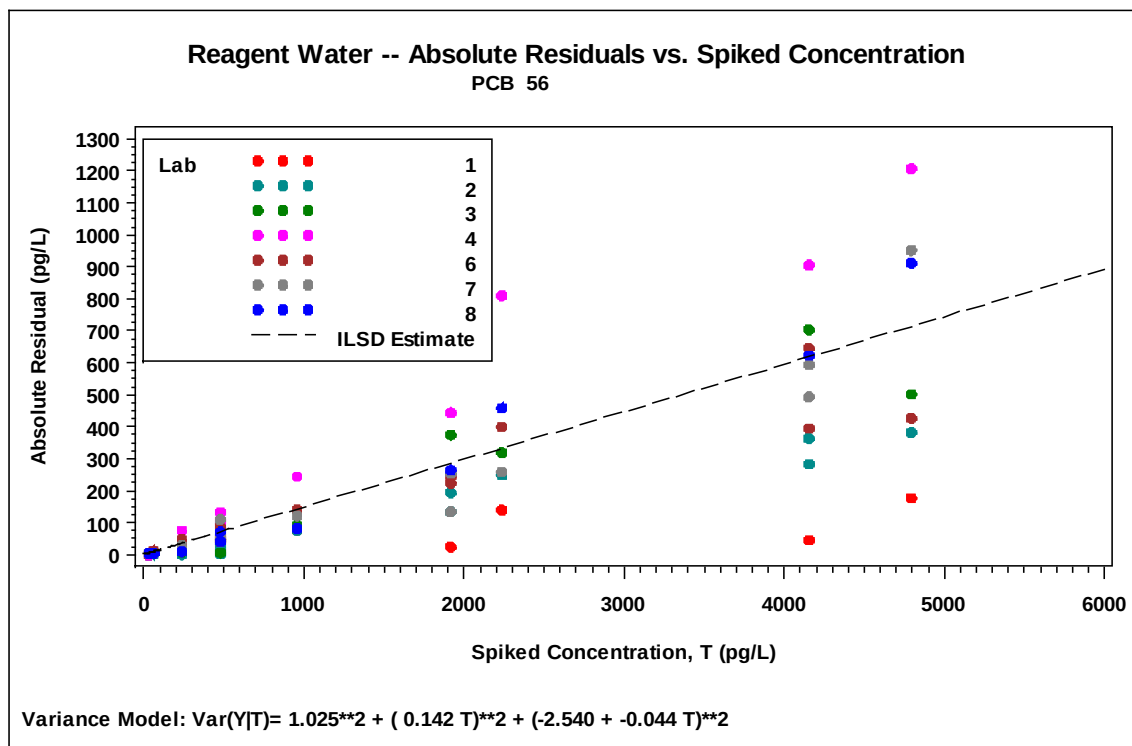
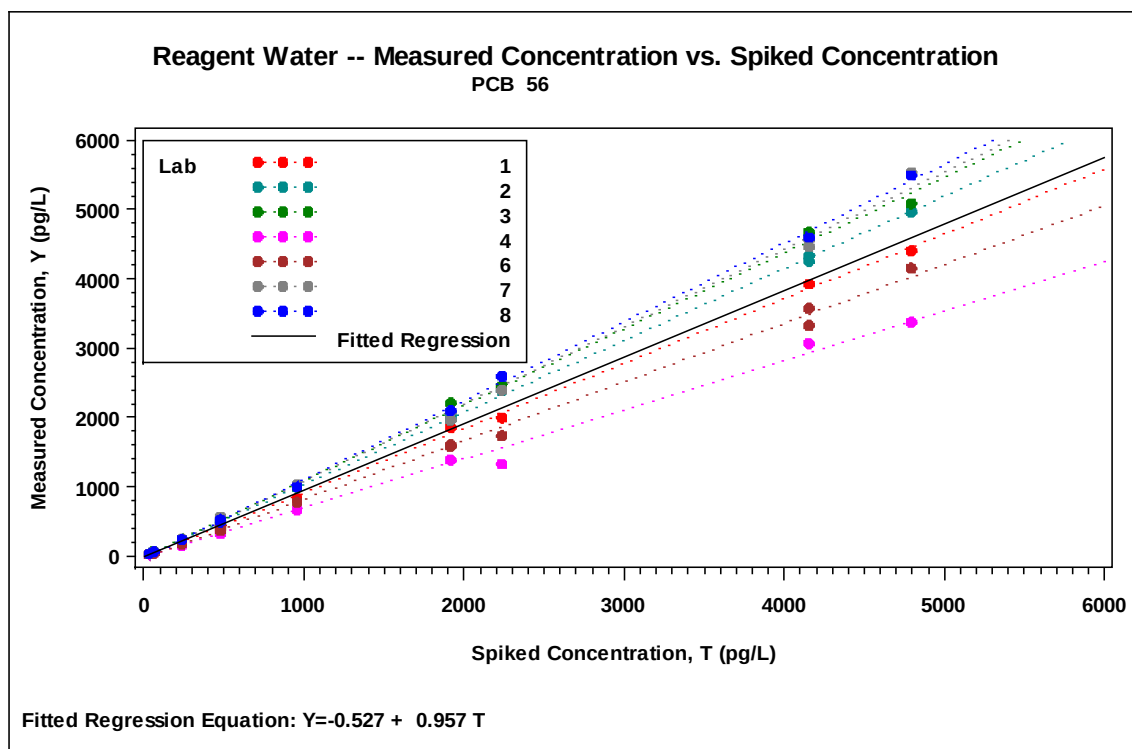


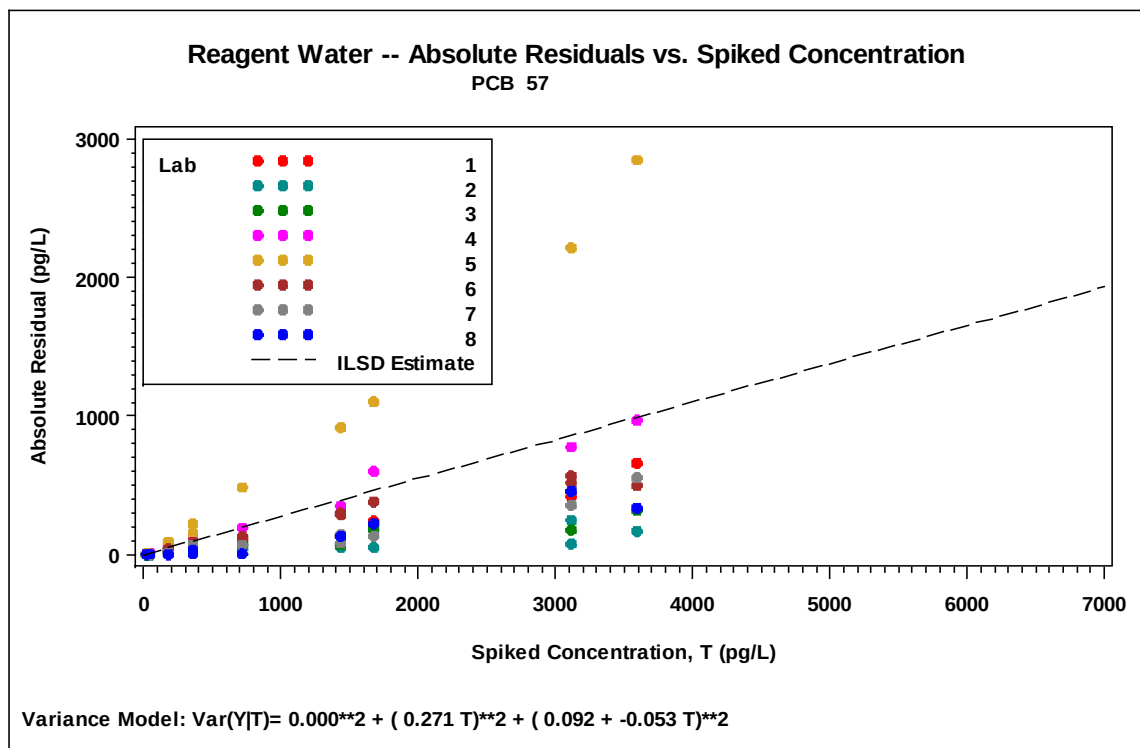
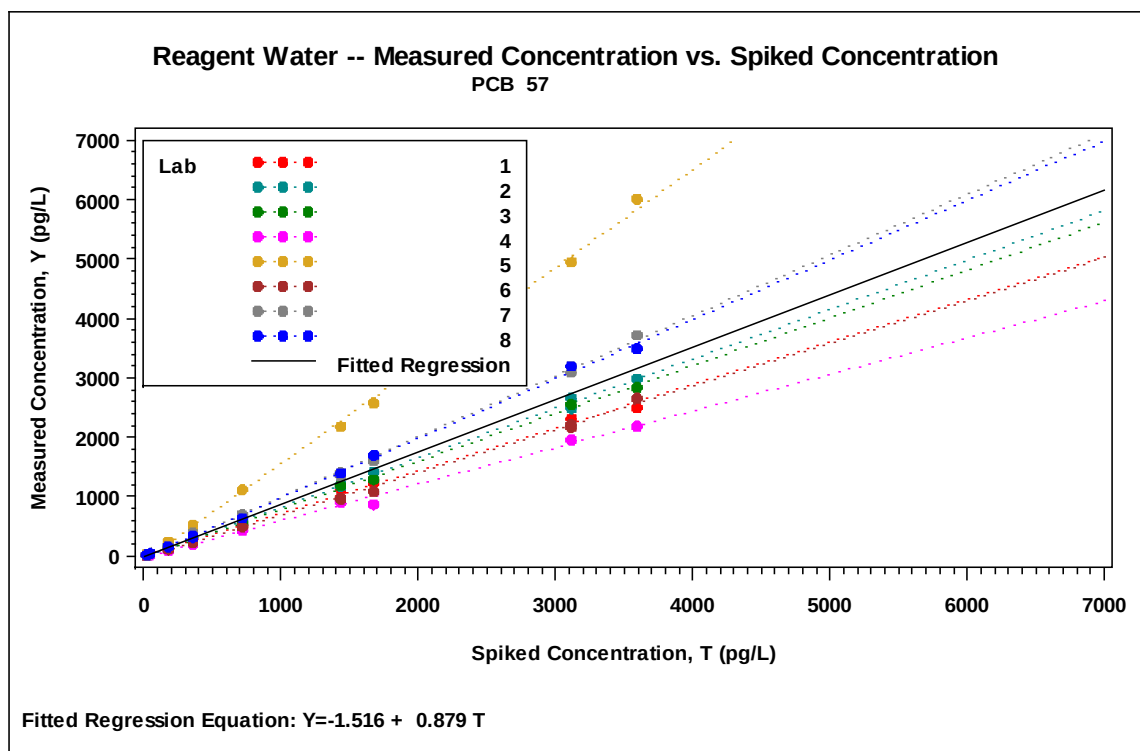
Variance Model: $\text{Var}(Y|T) = 1.523^{**2} + (0.151 T)^{**2} + (2.722 + -0.069 T)^{**2}$

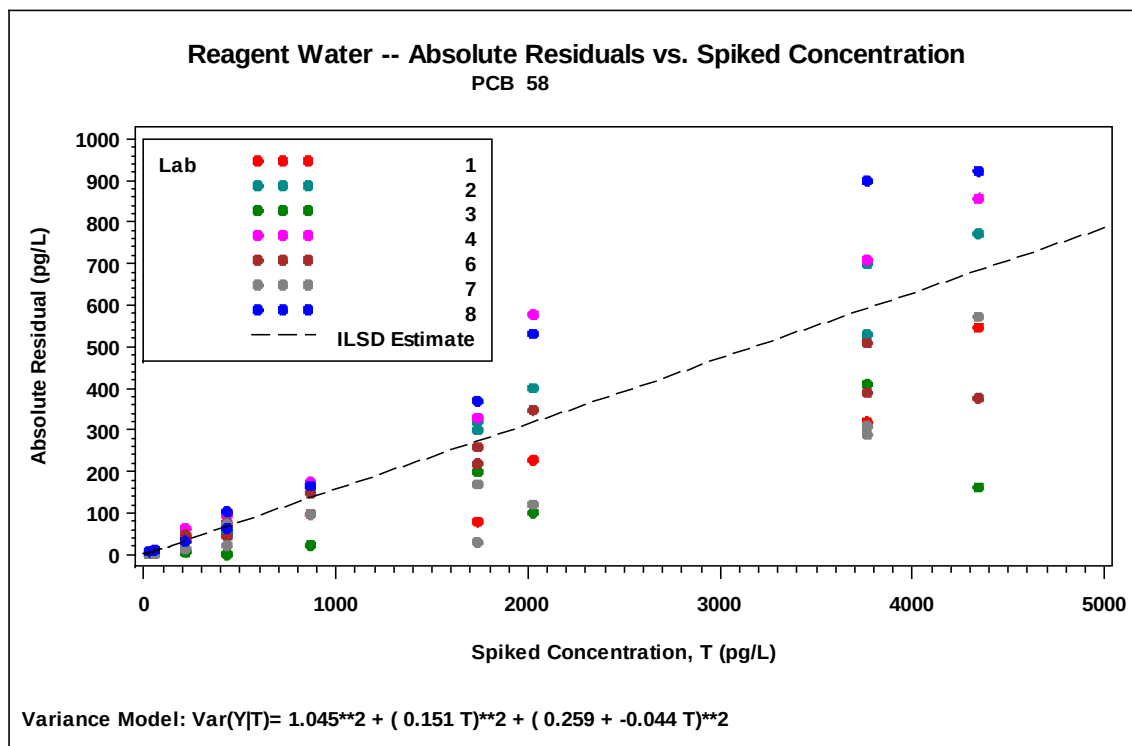
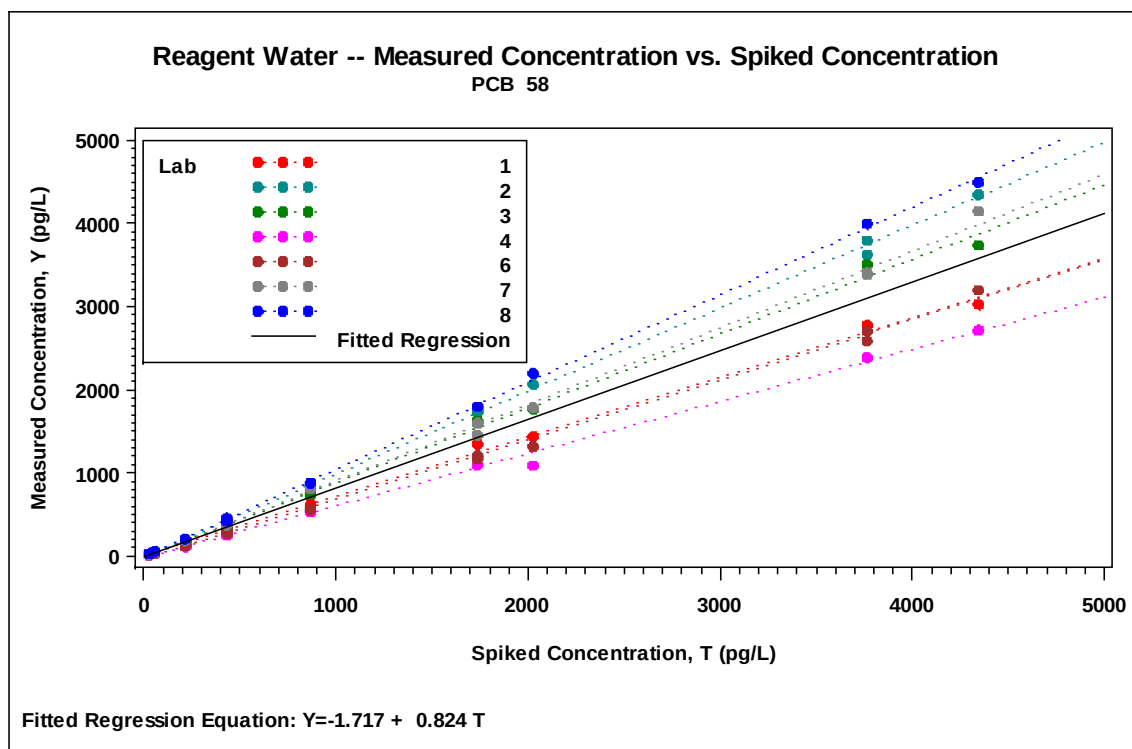


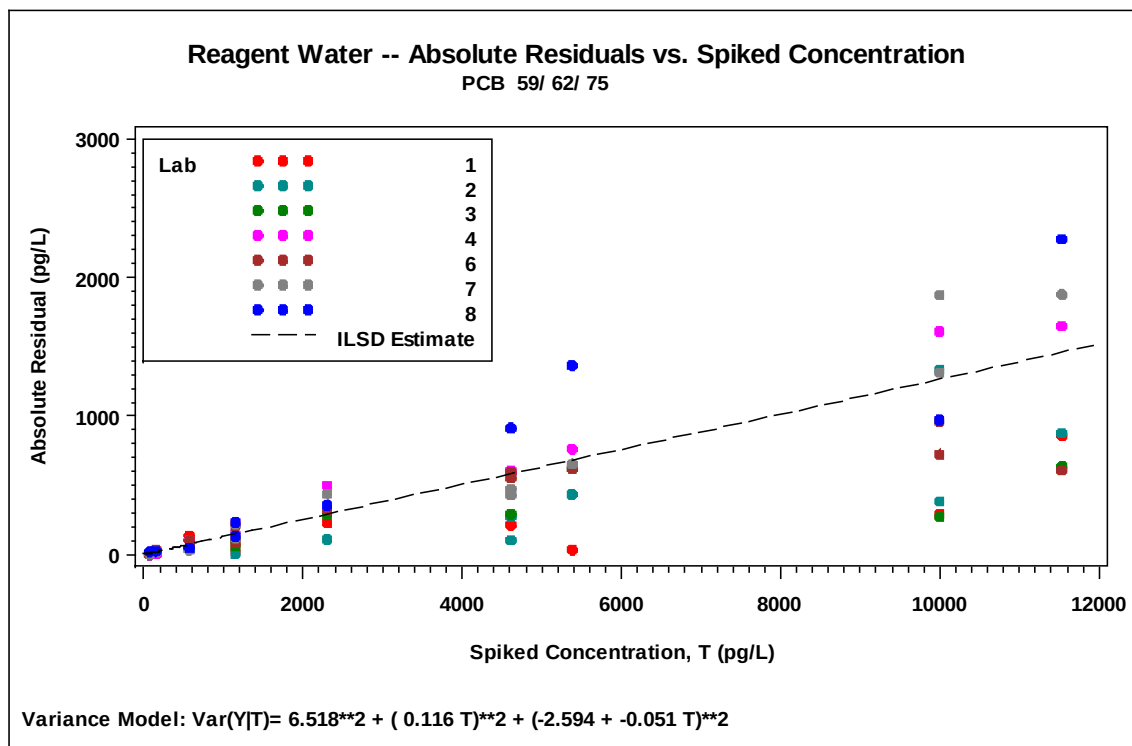
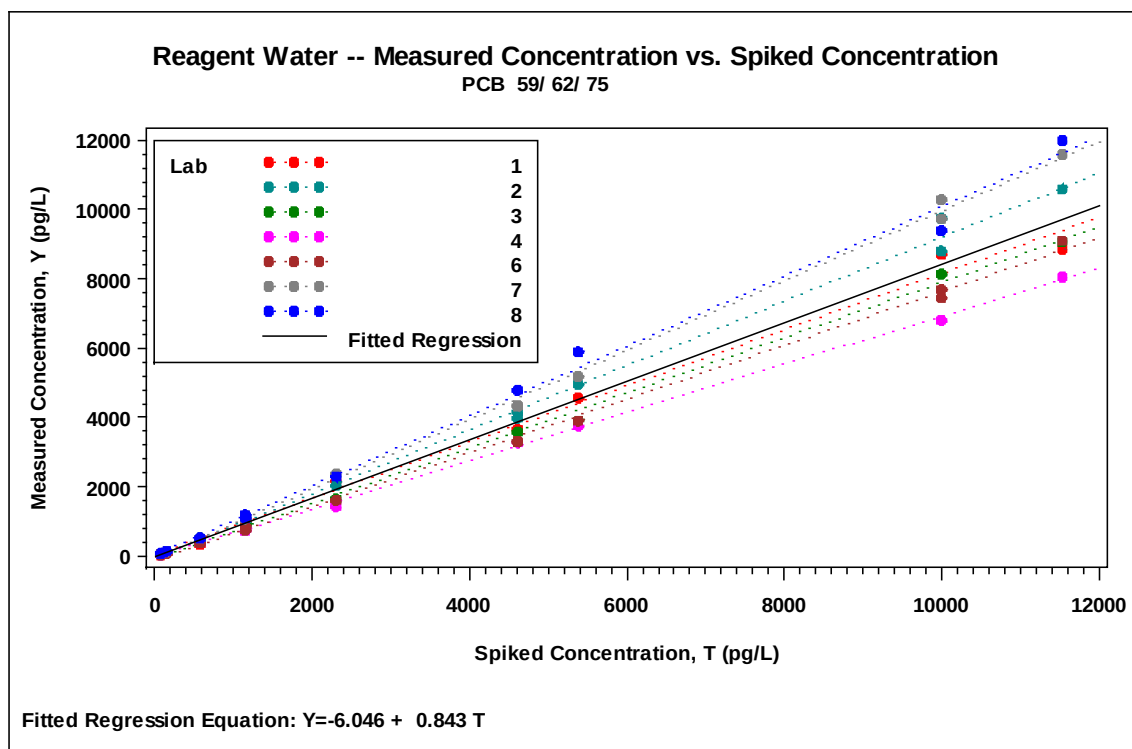


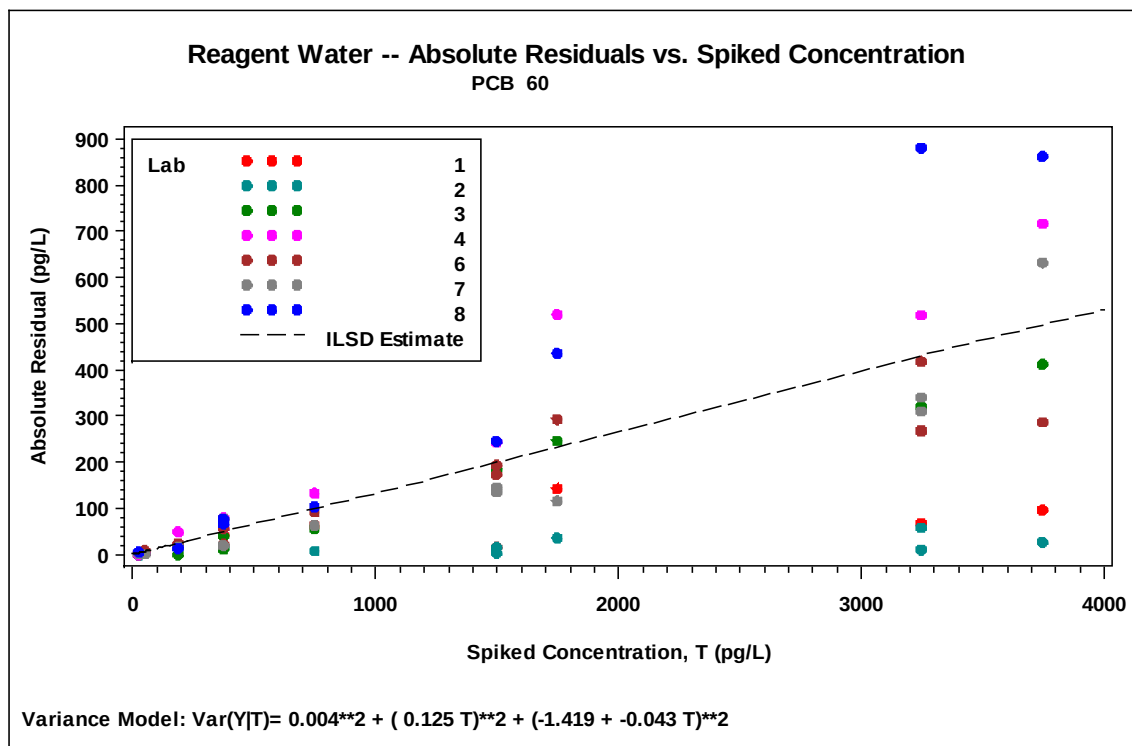
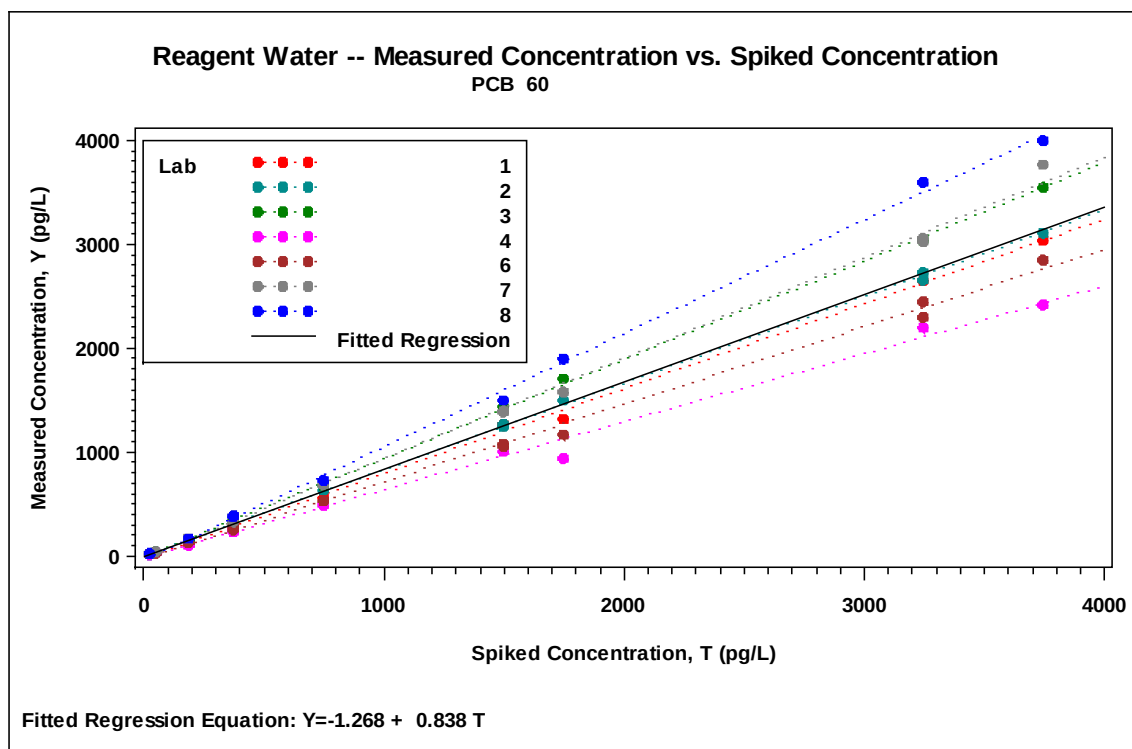


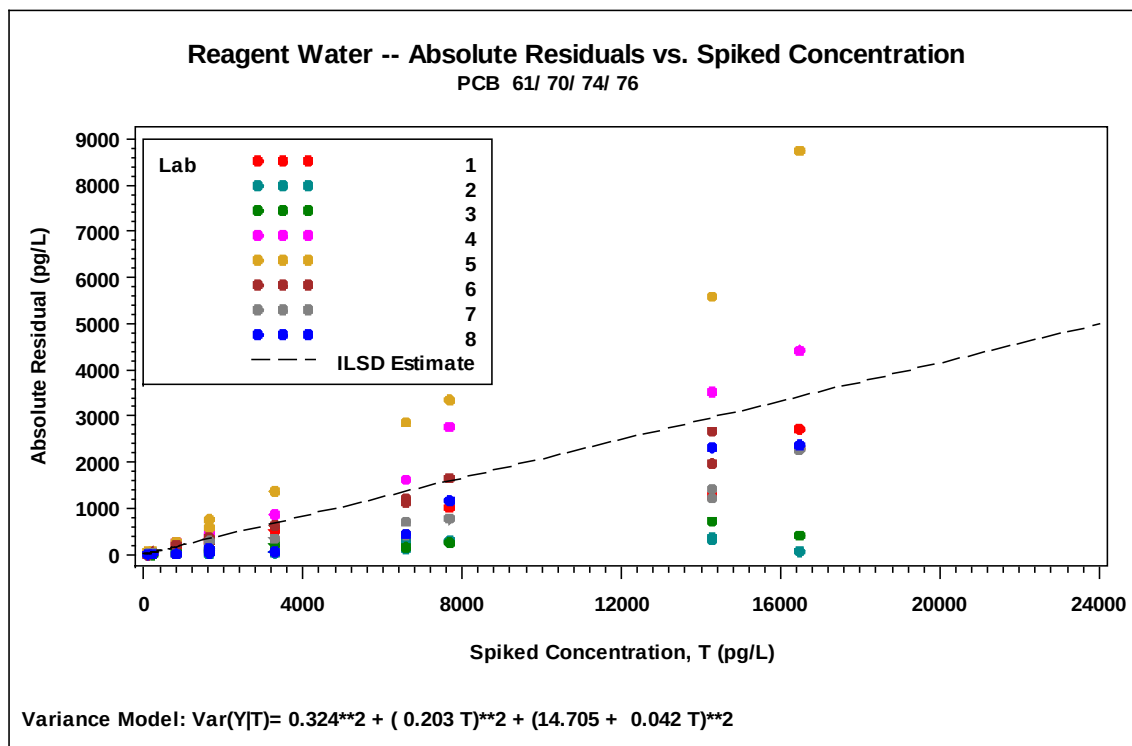
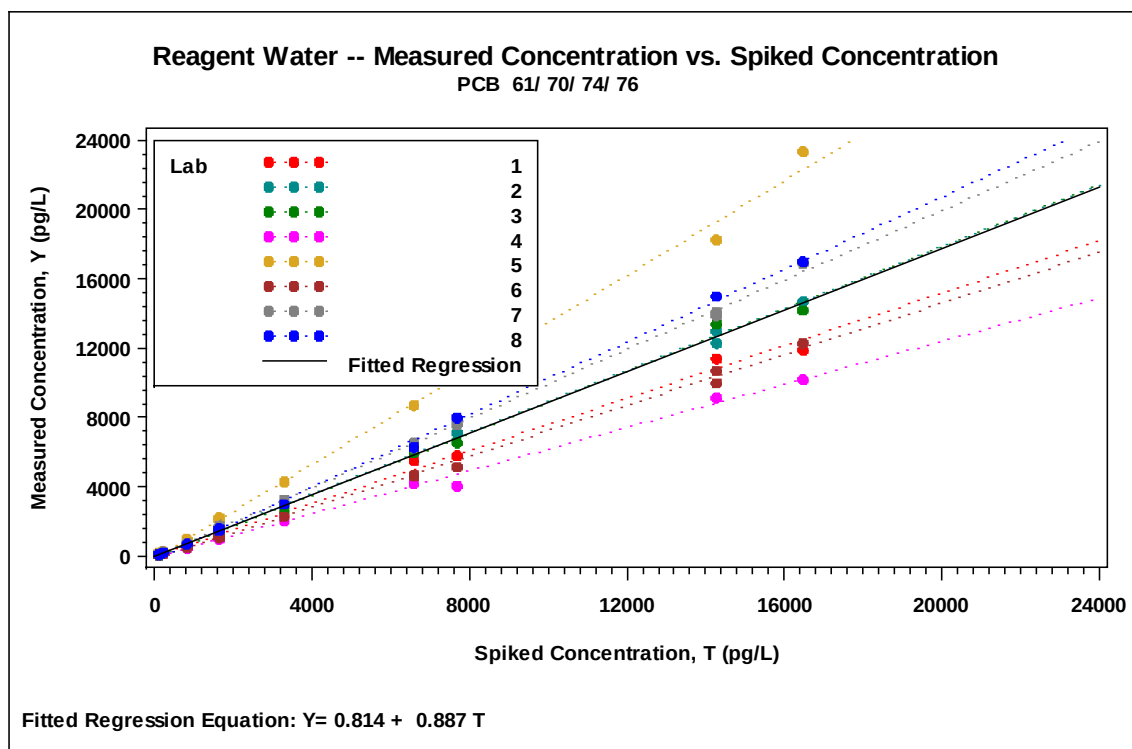


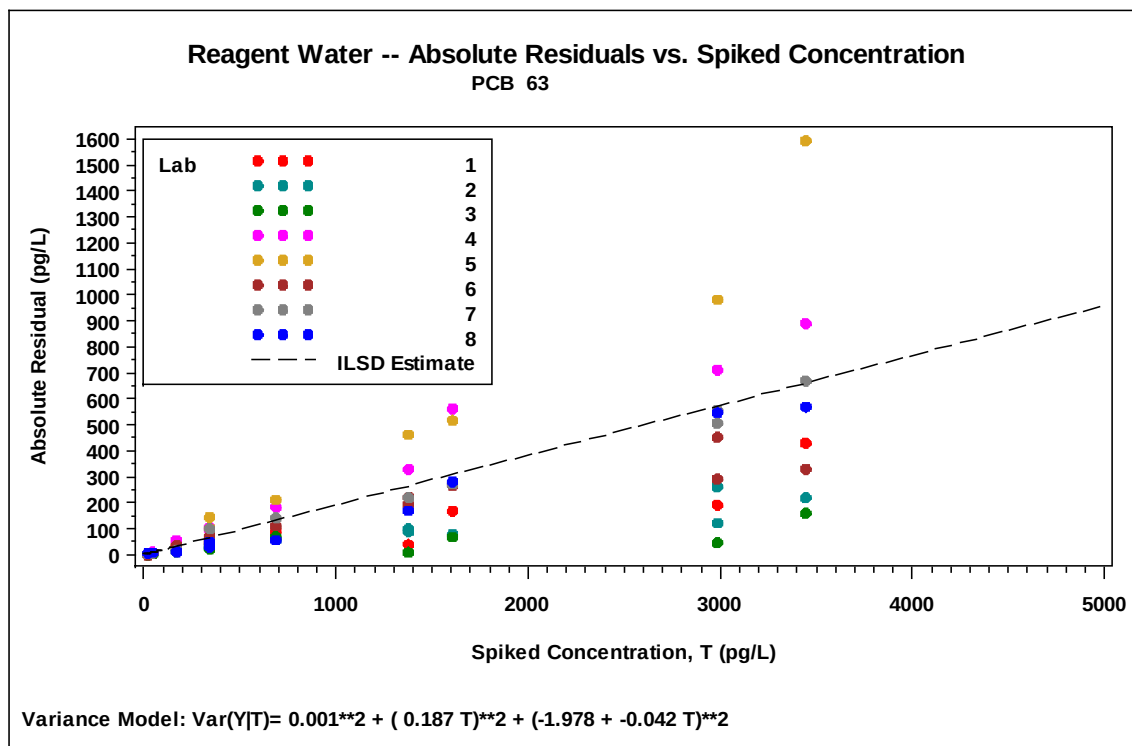
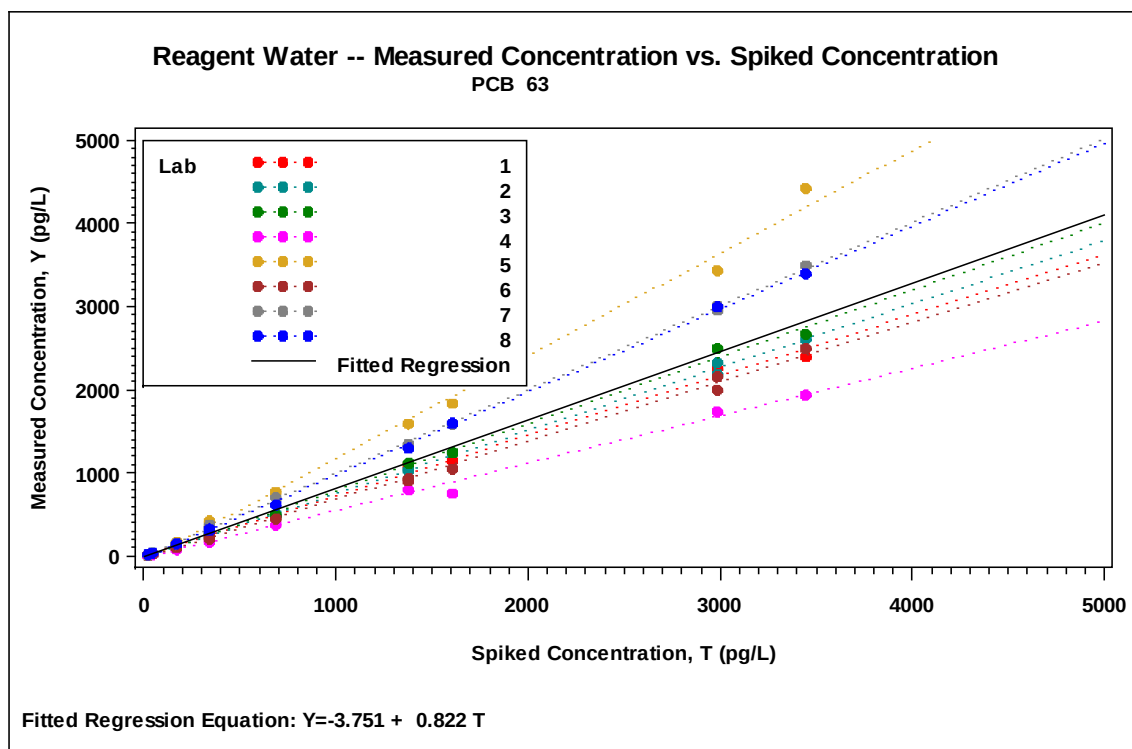


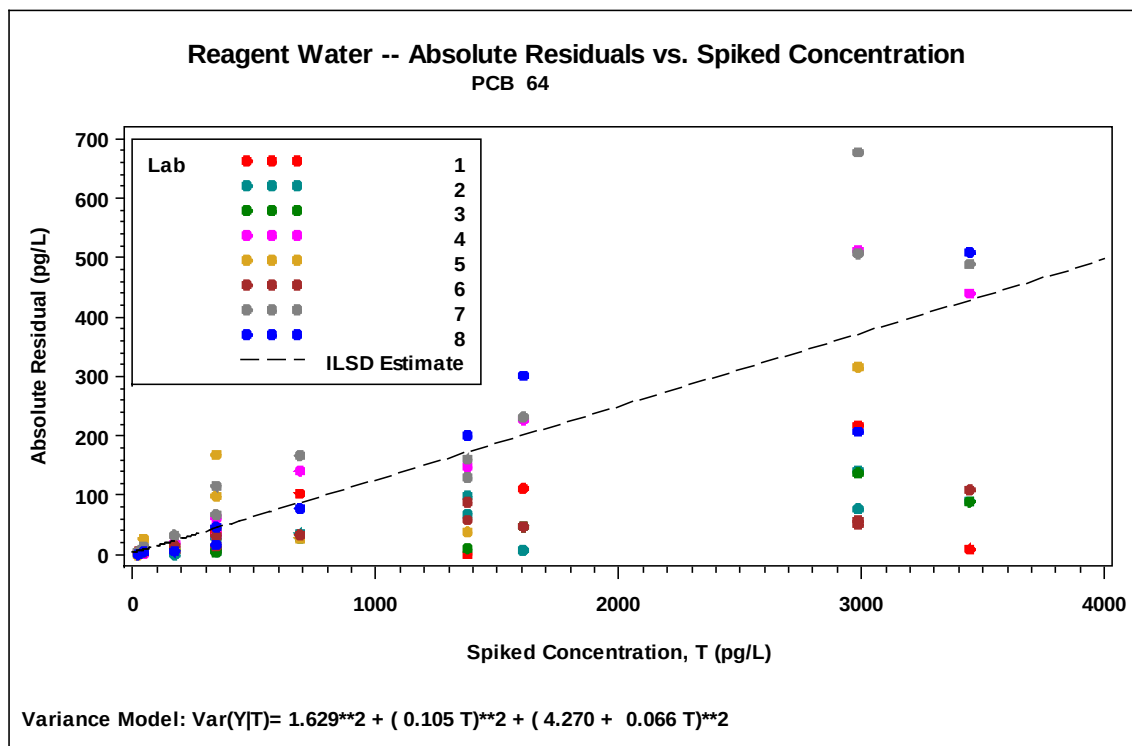
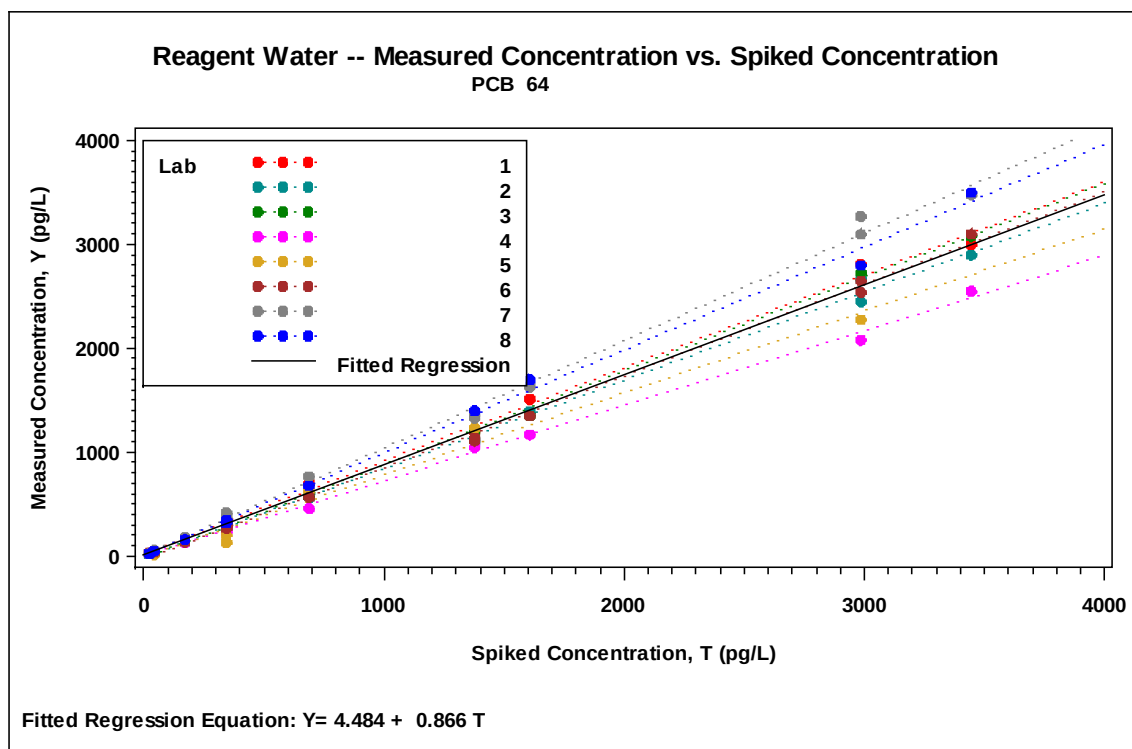


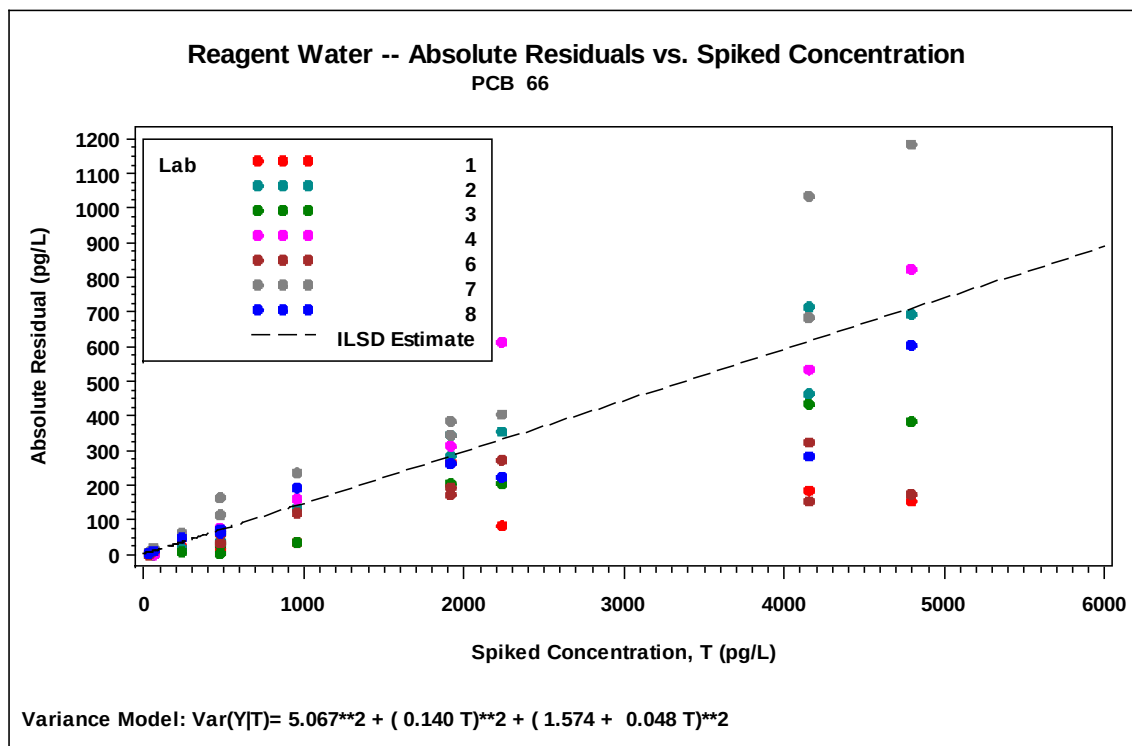
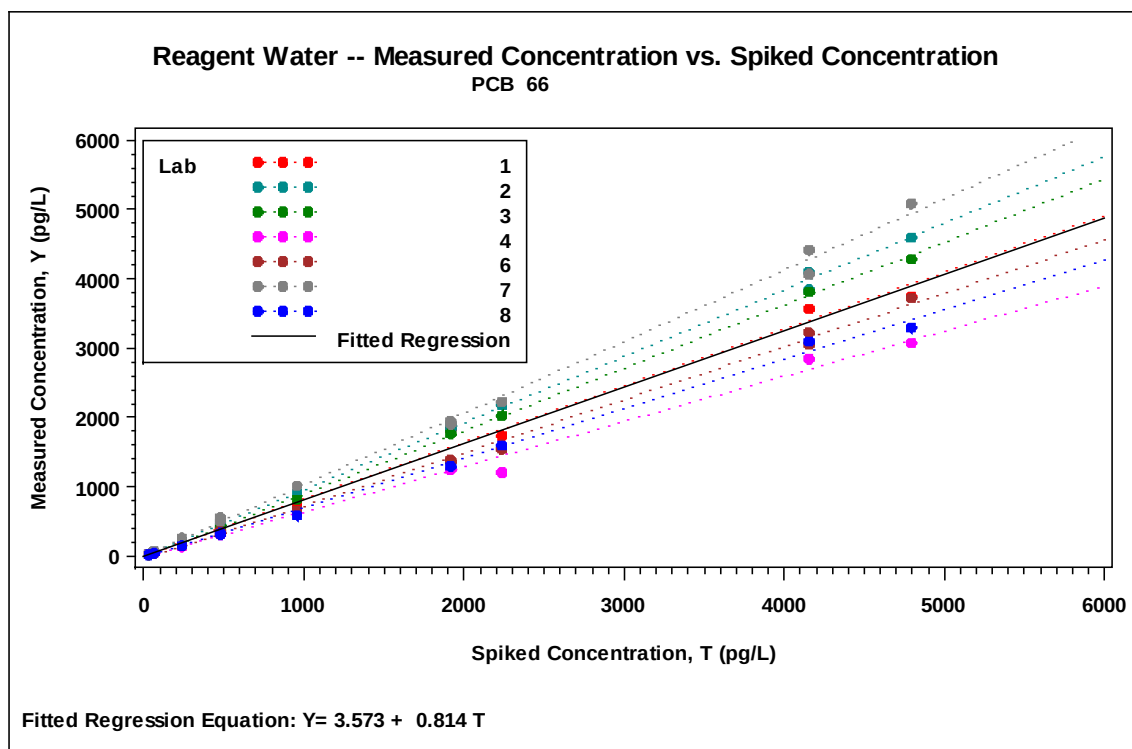




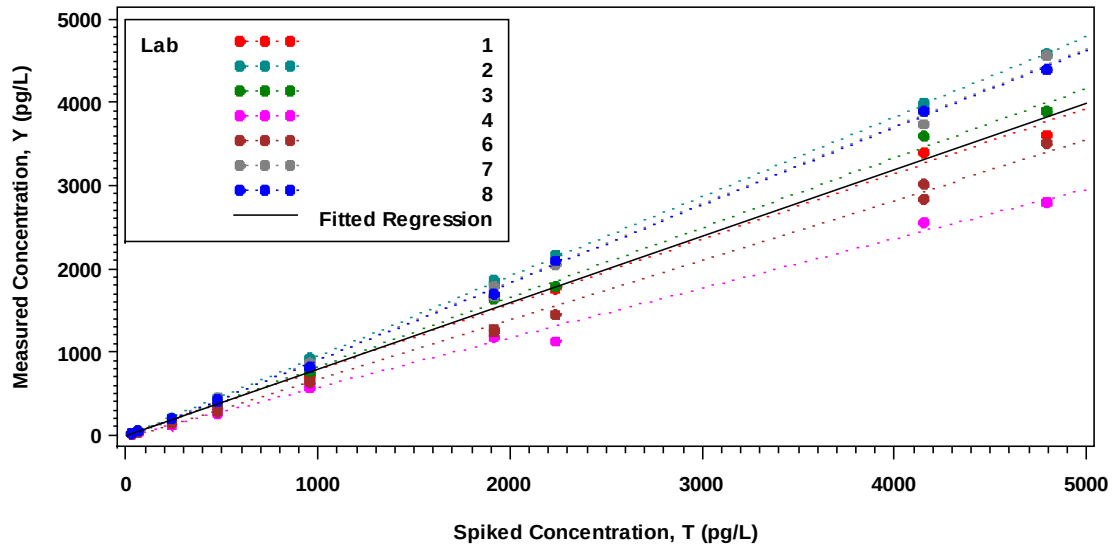






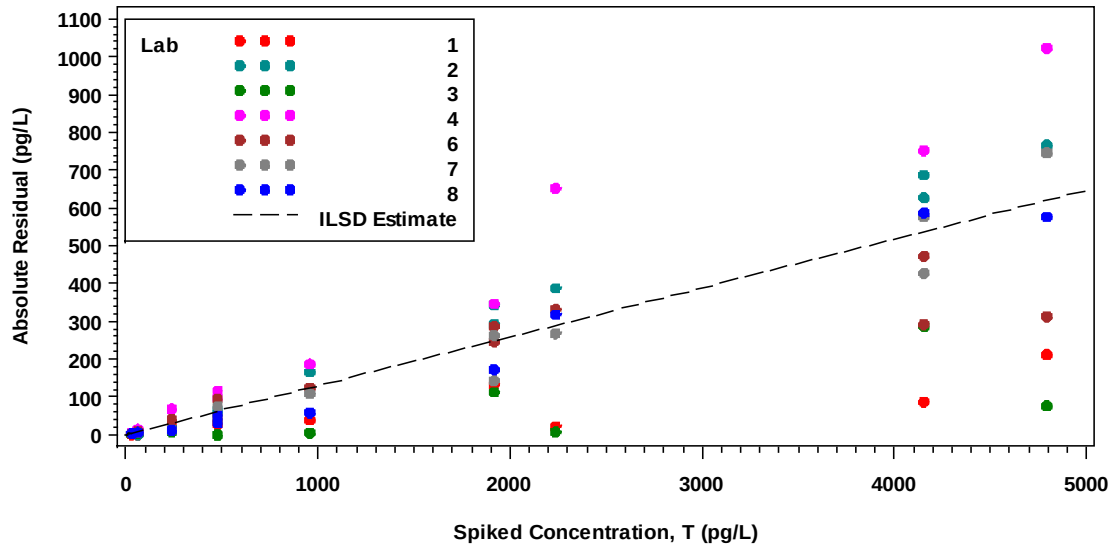


Reagent Water -- Measured Concentration vs. Spiked Concentration
PCB 67

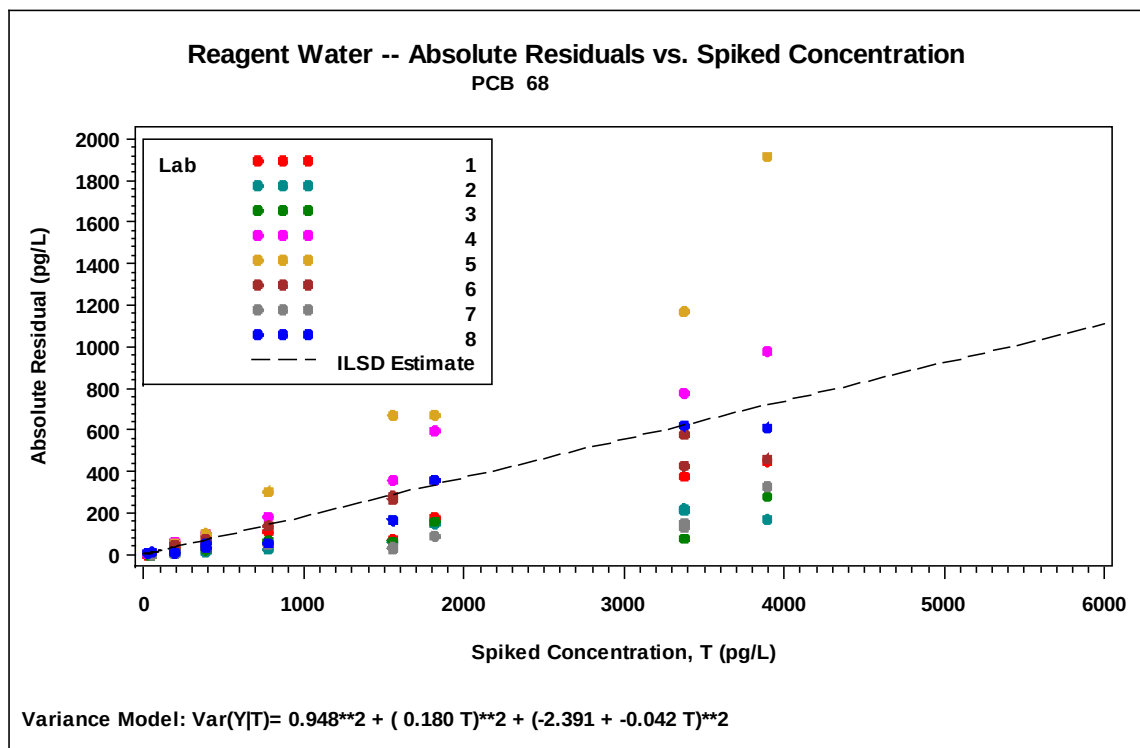
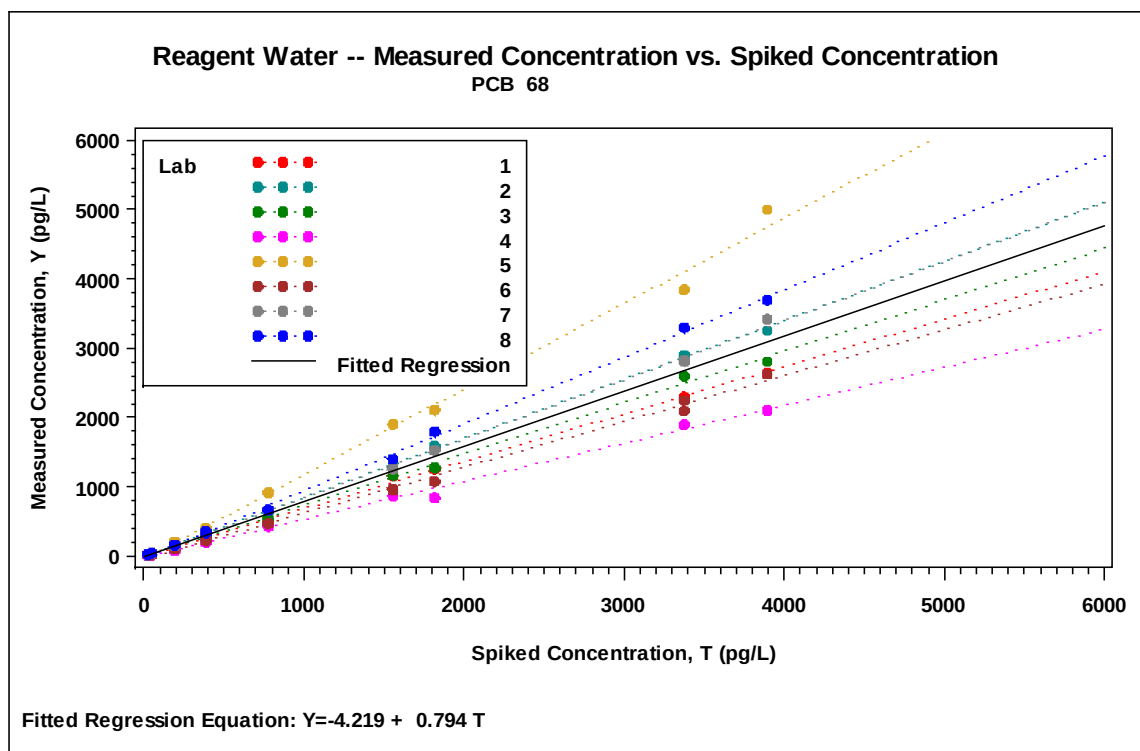


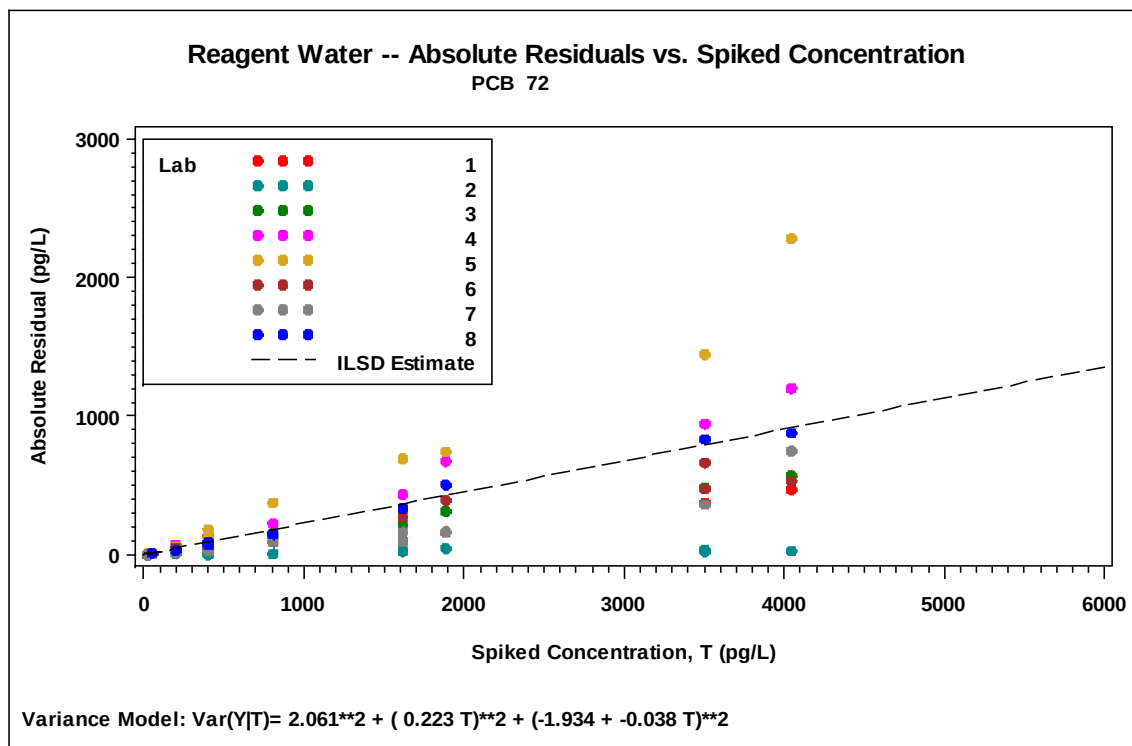
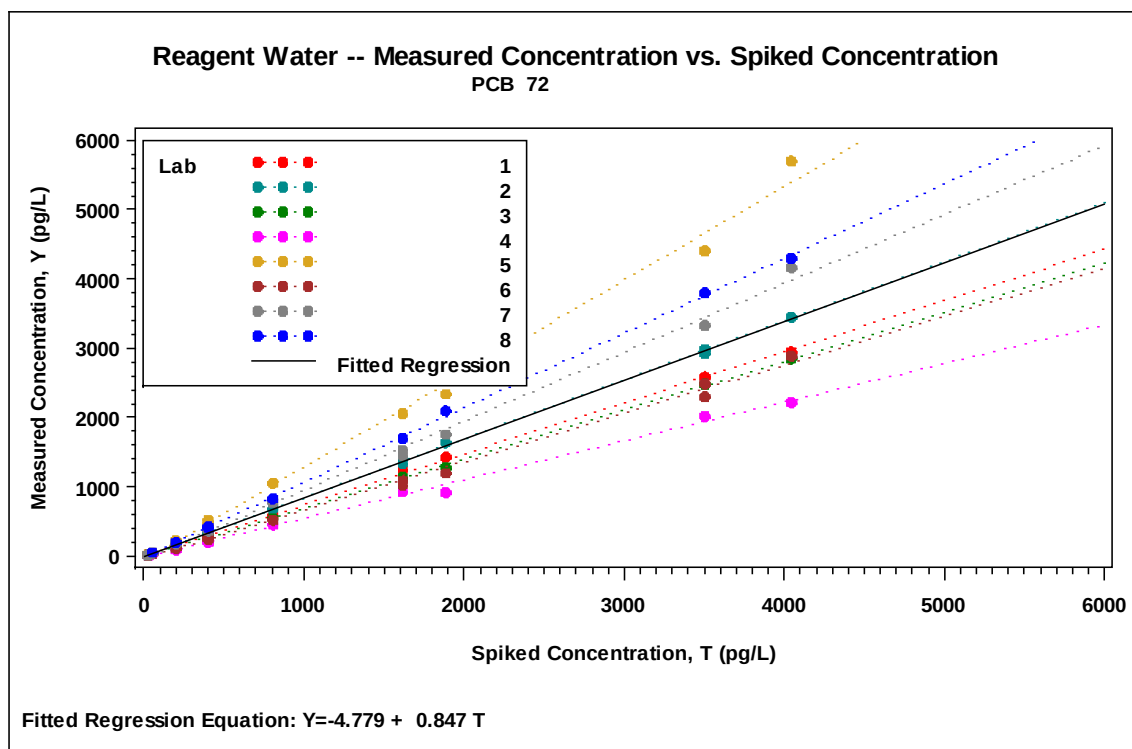
Fitted Regression Equation: $Y = -3.800 + 0.798 T$

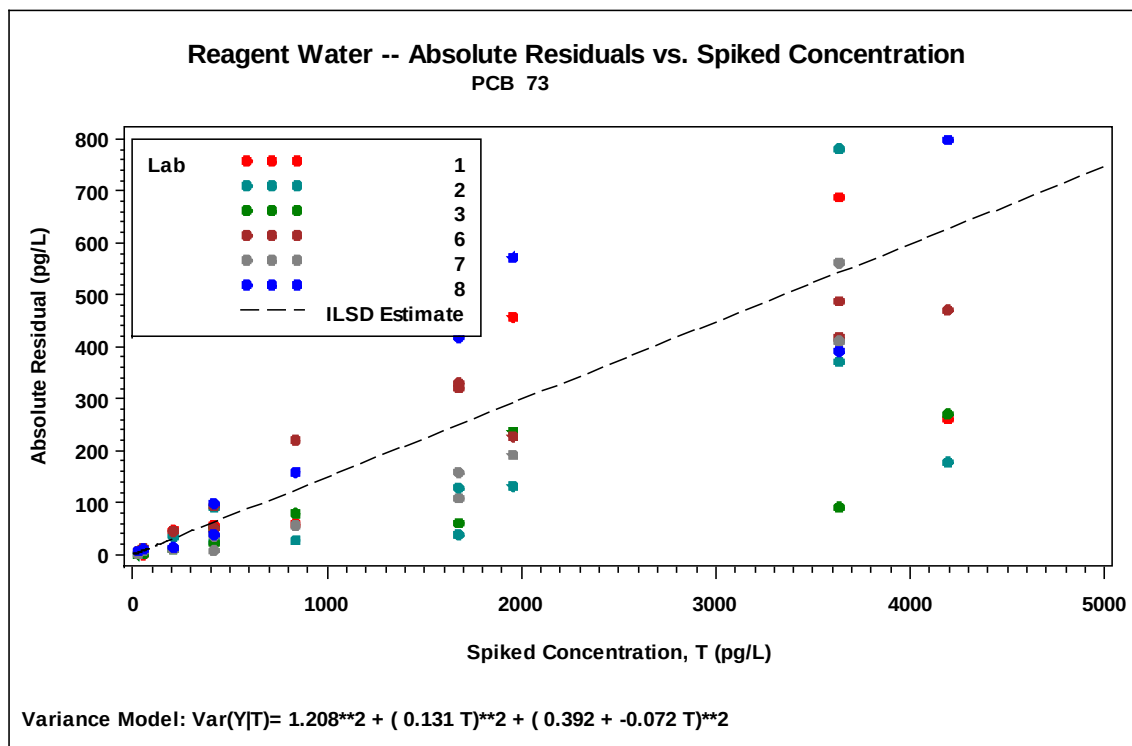
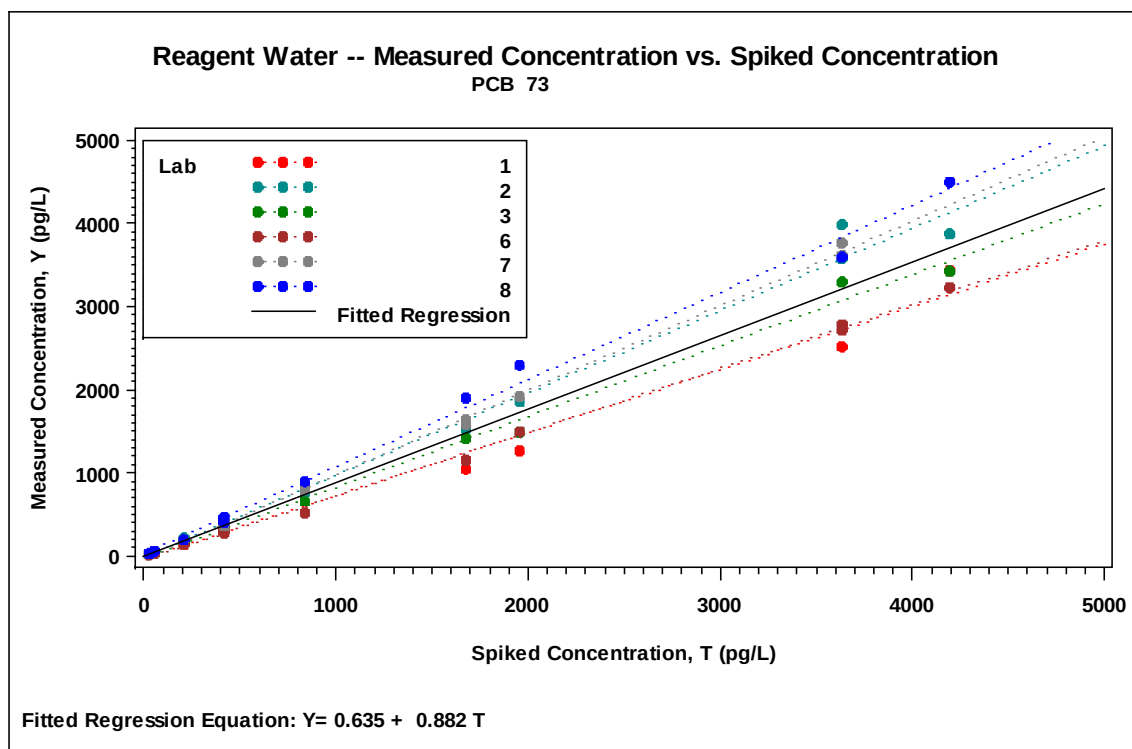
Reagent Water -- Absolute Residuals vs. Spiked Concentration
PCB 67

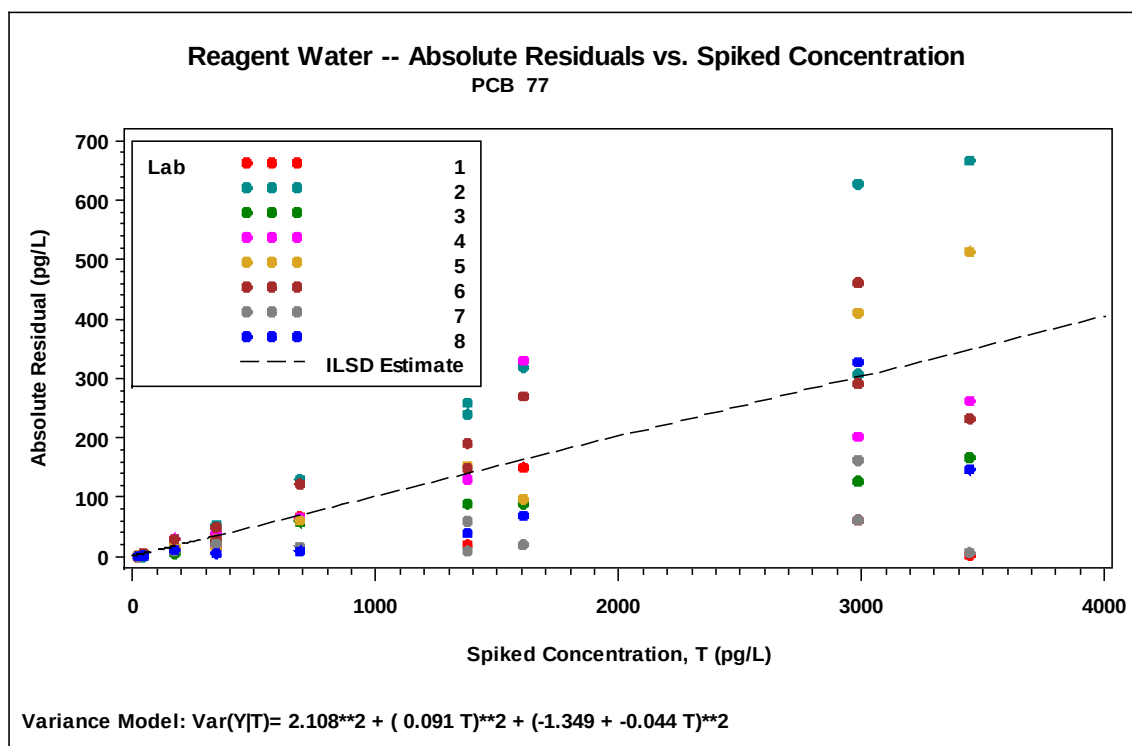
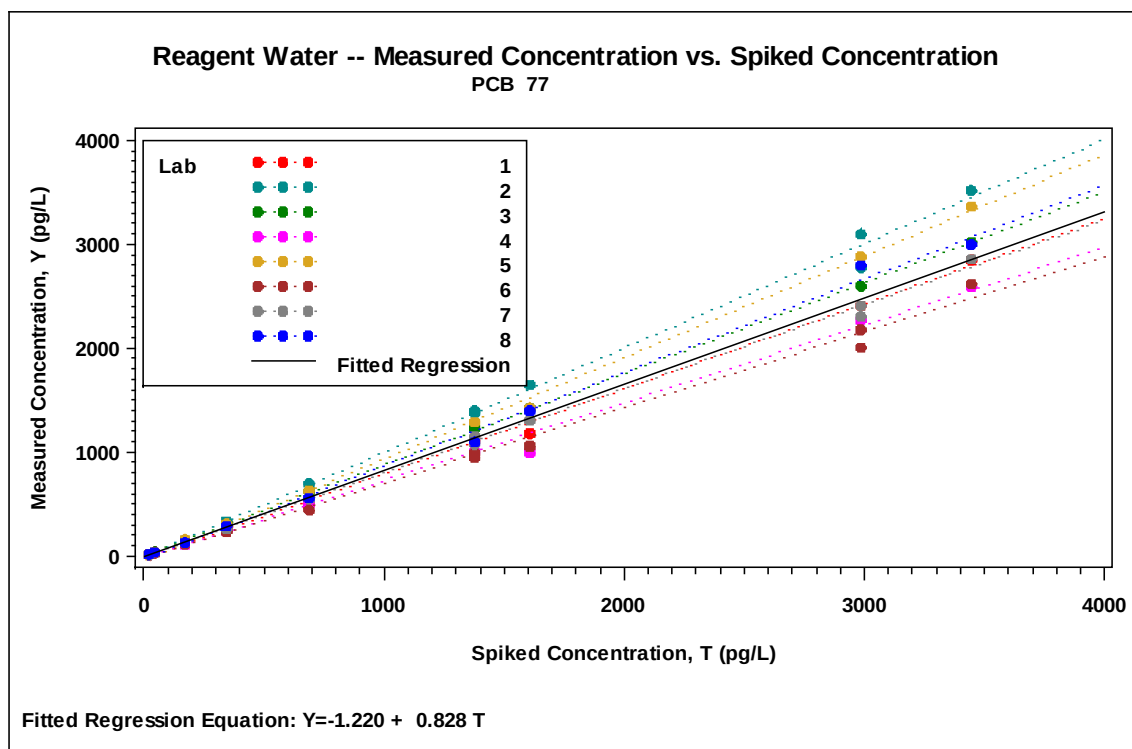


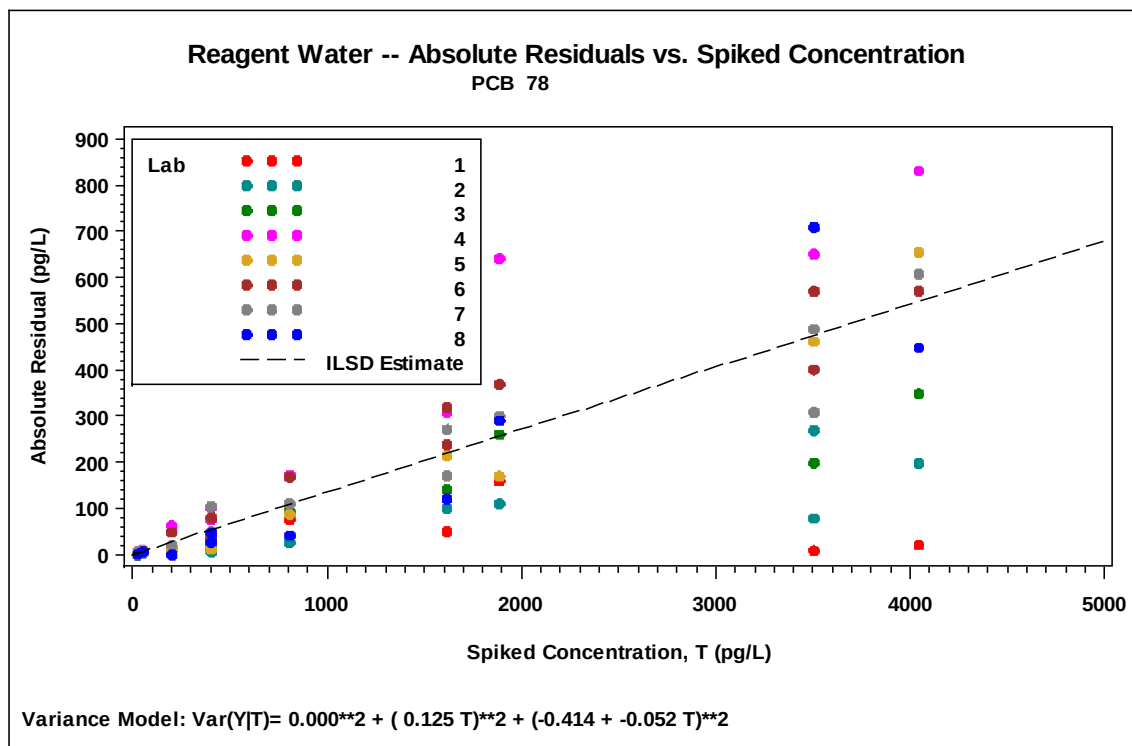
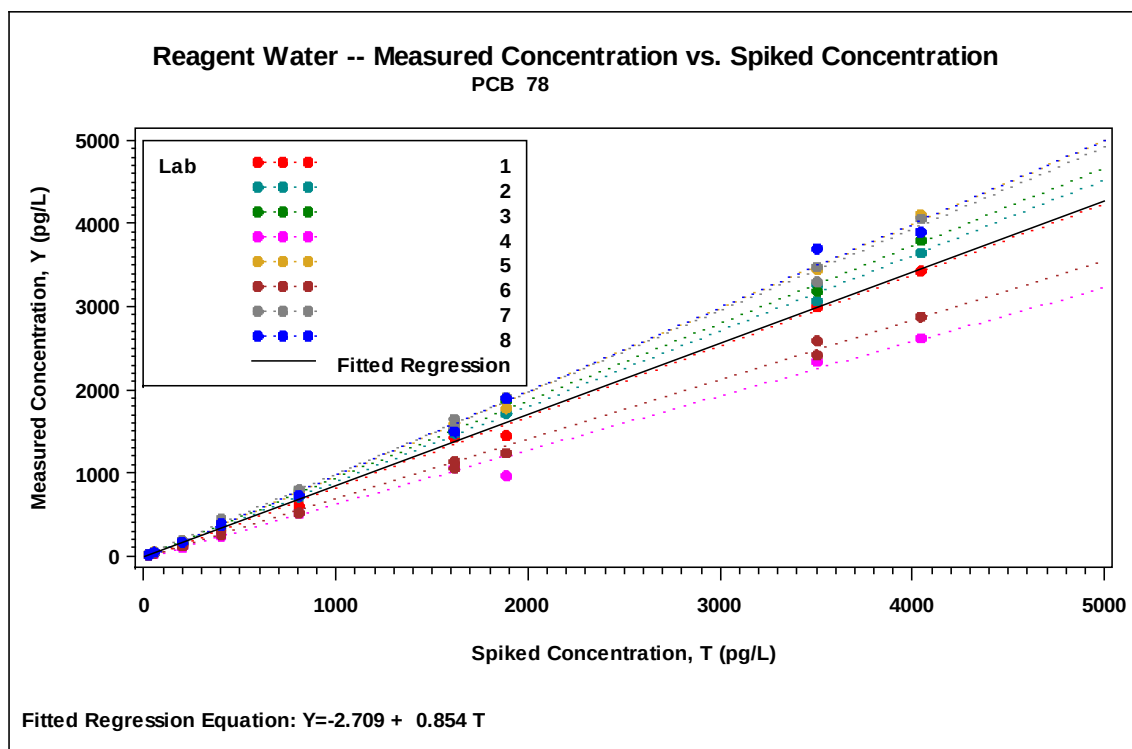
Variance Model: $\text{Var}(Y|T) = 0.000T^2 + (0.123 T)^2 + (-0.136 - 0.041 T)^2$

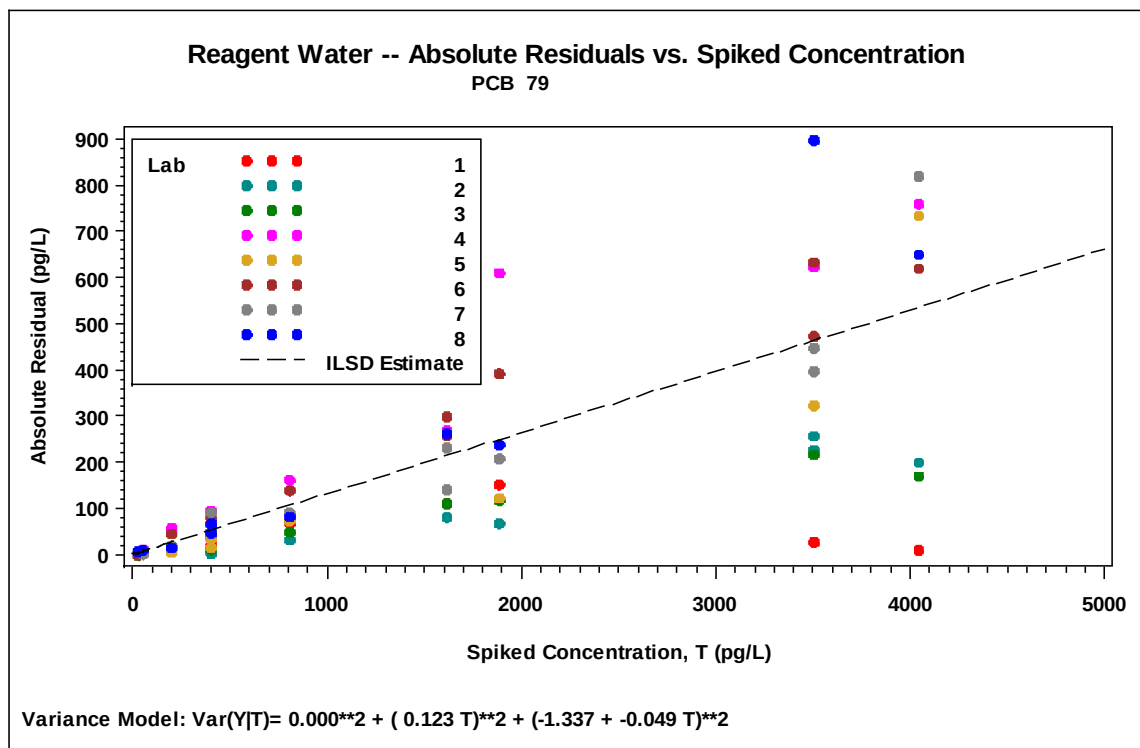
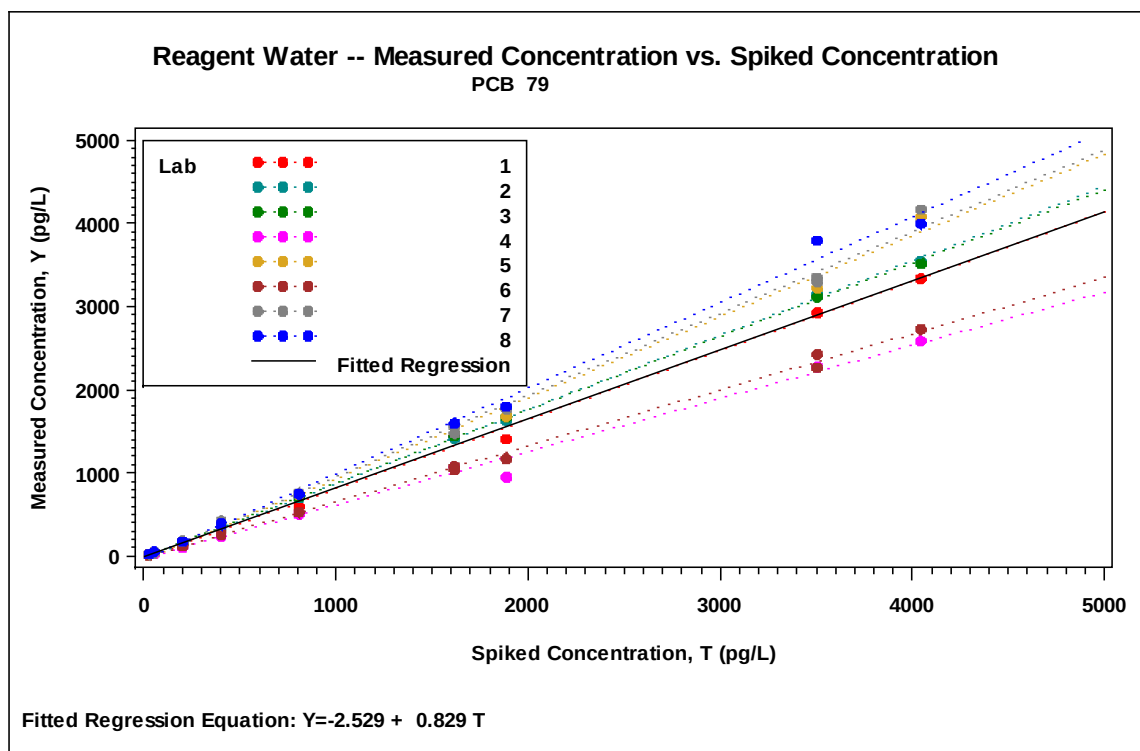


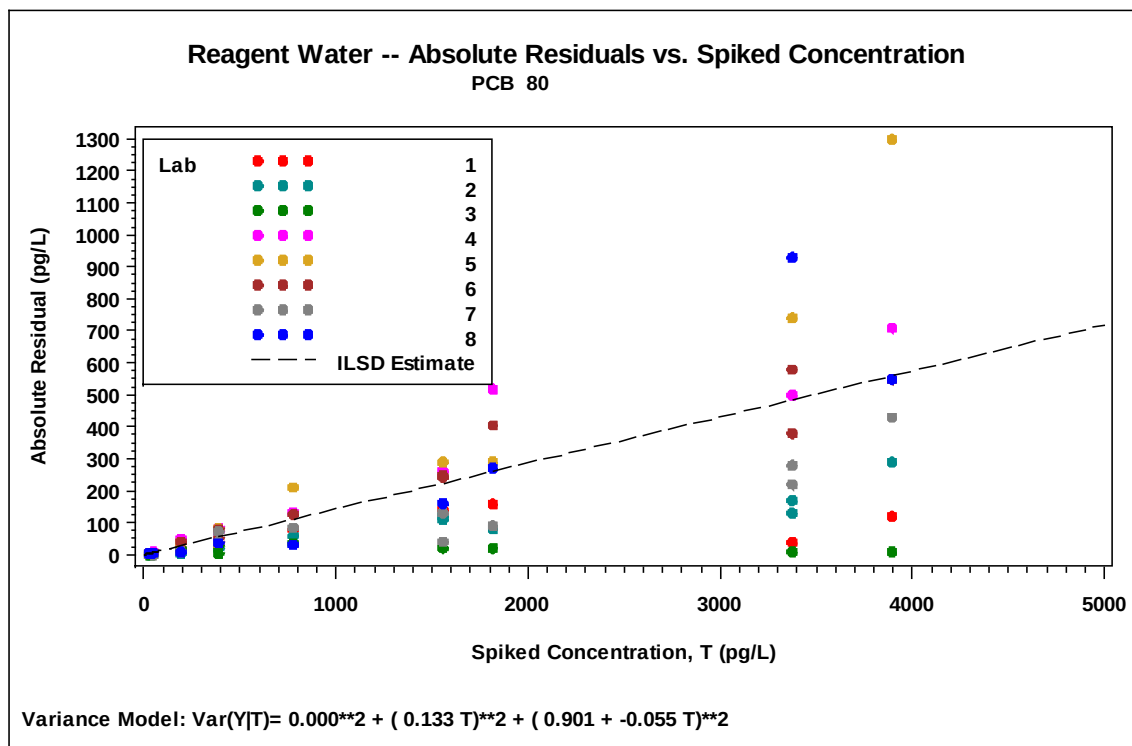
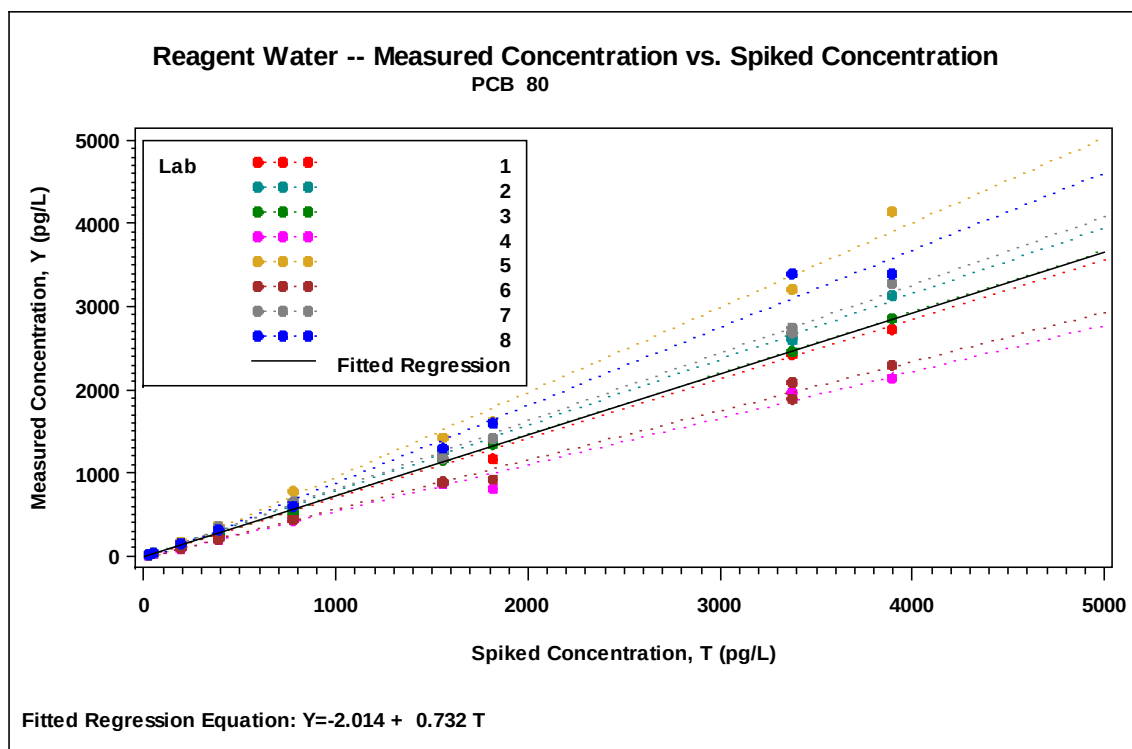


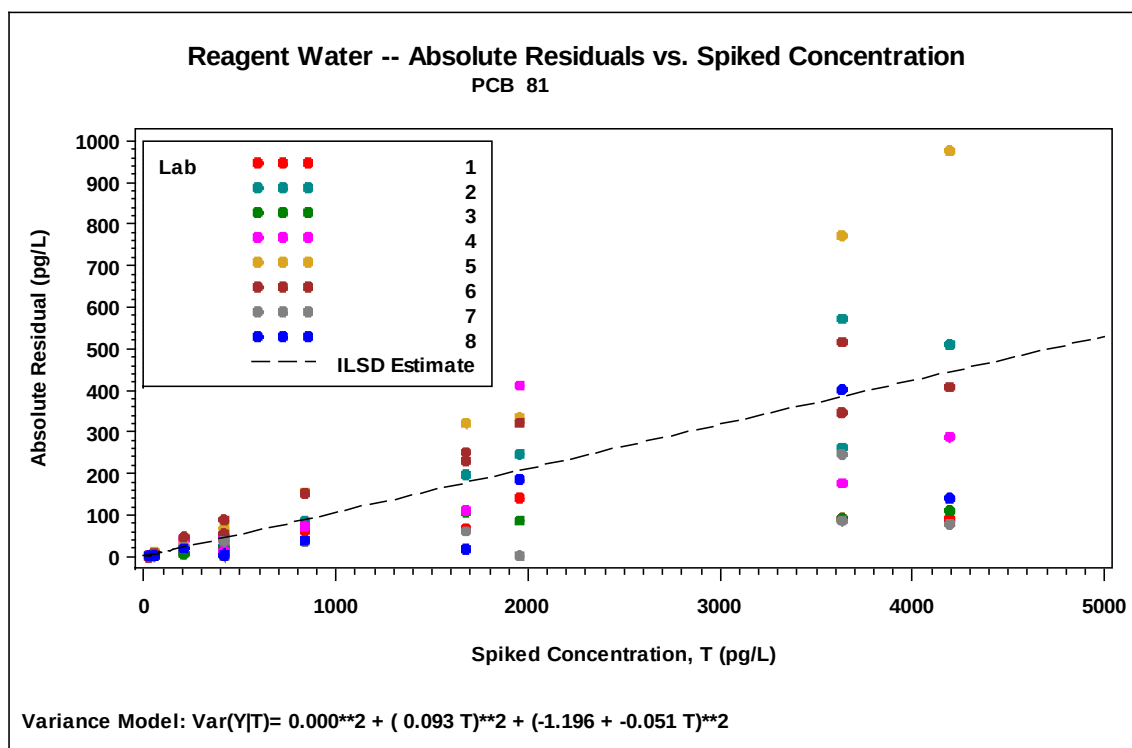
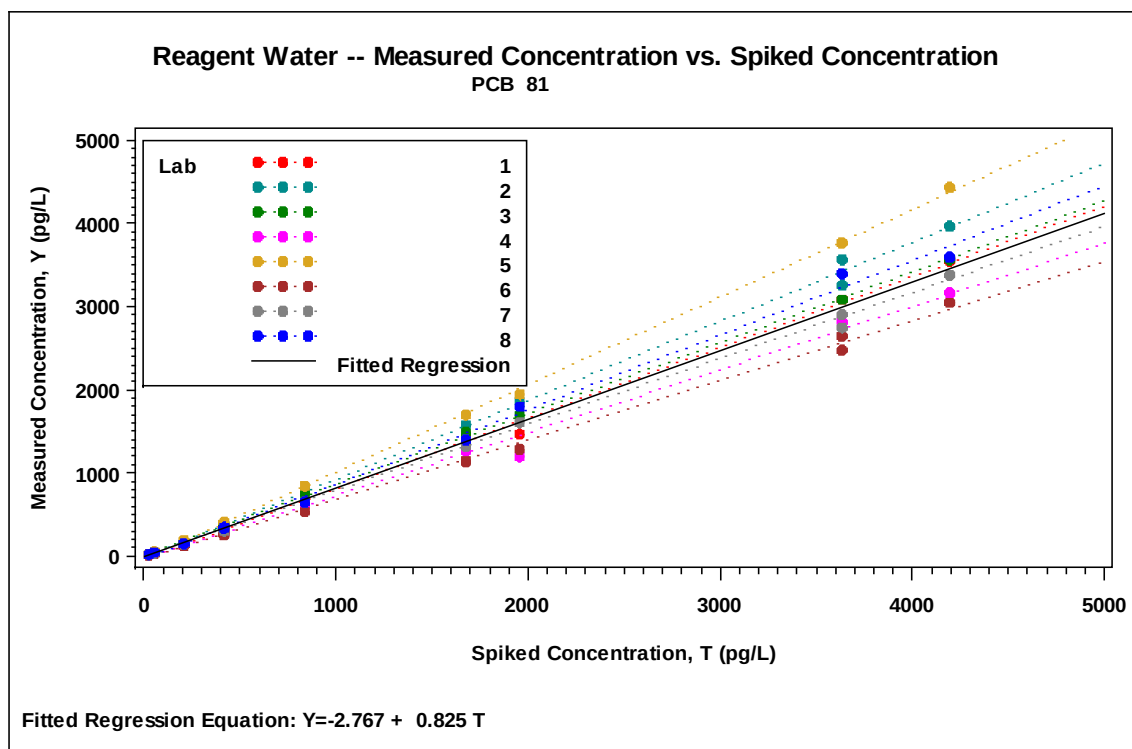


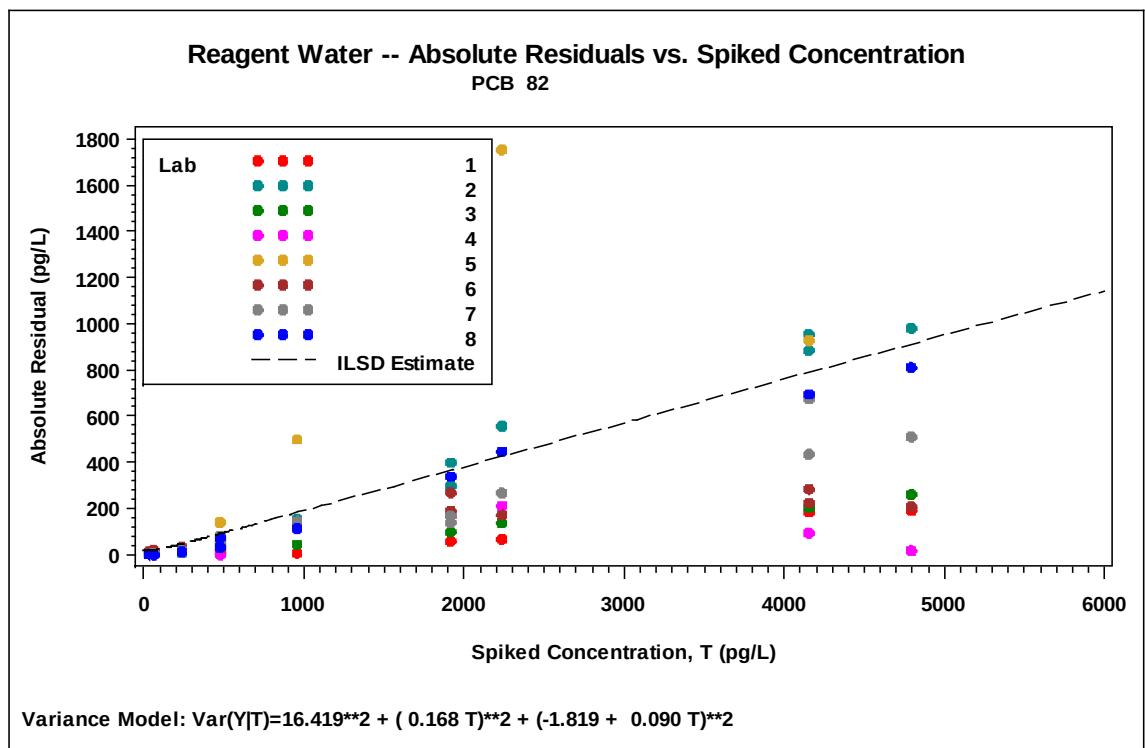
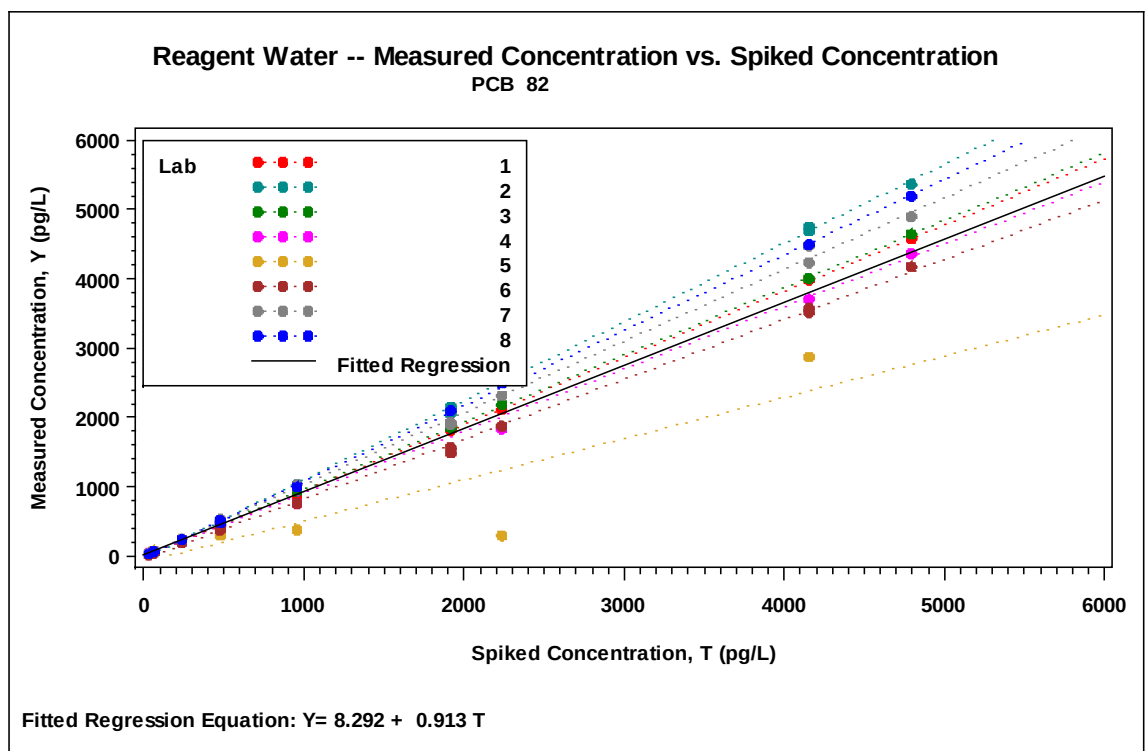


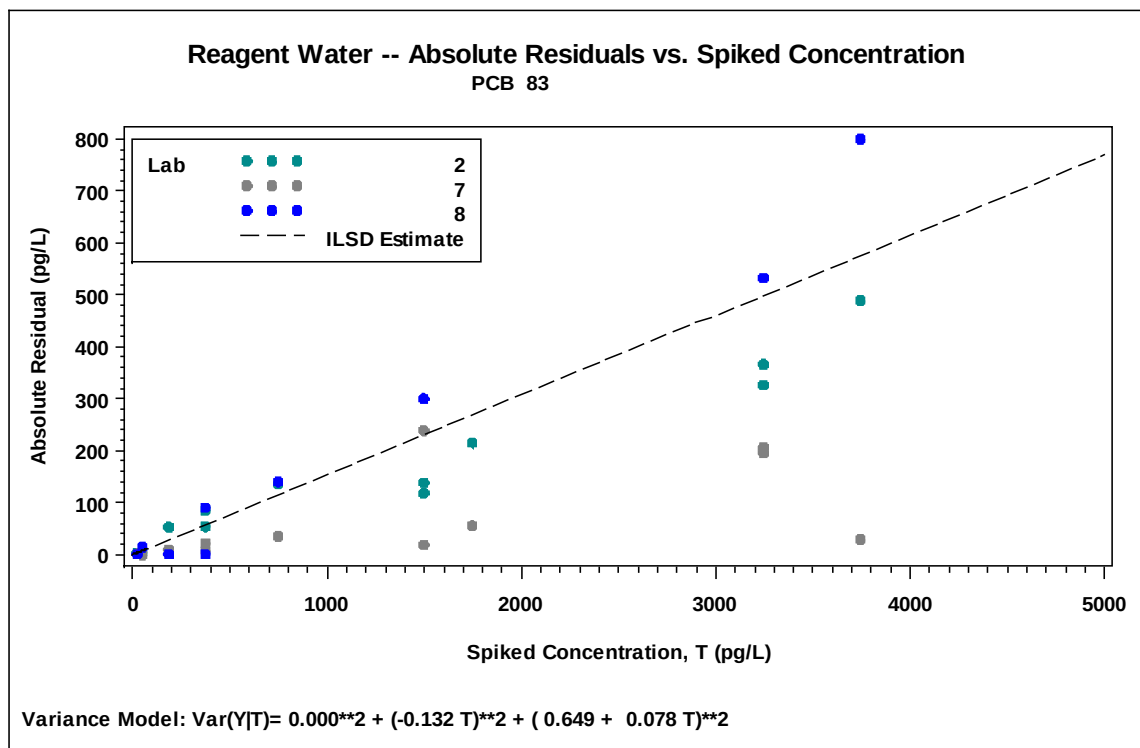
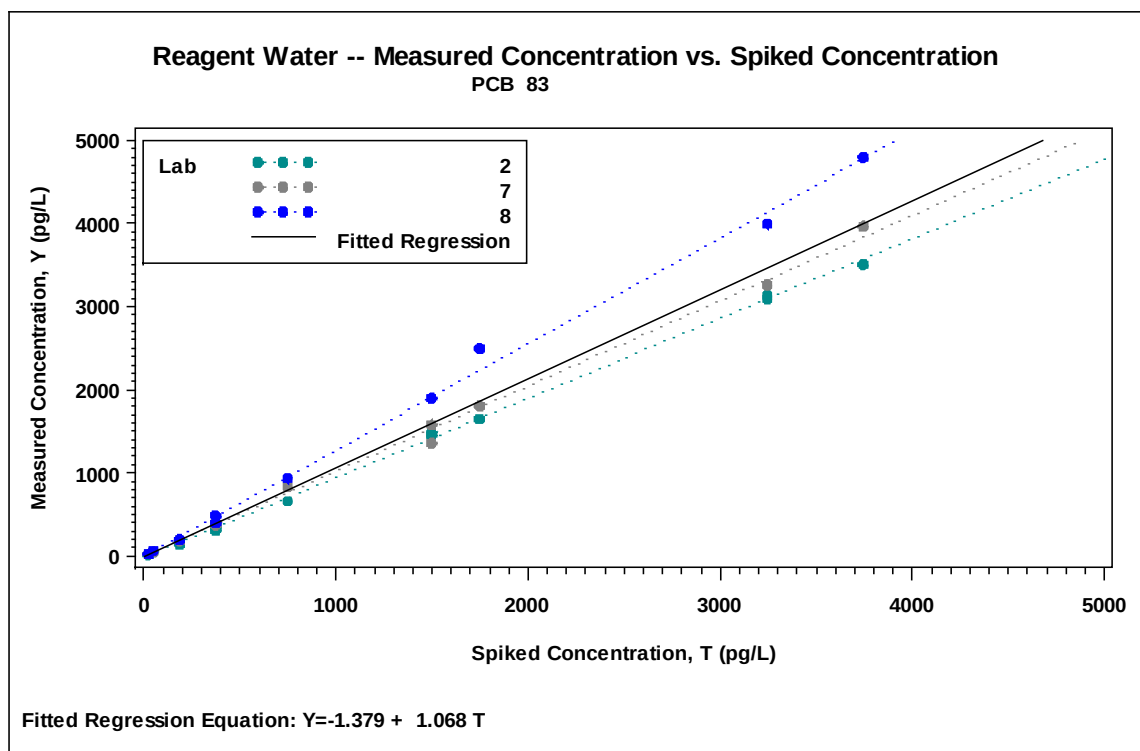


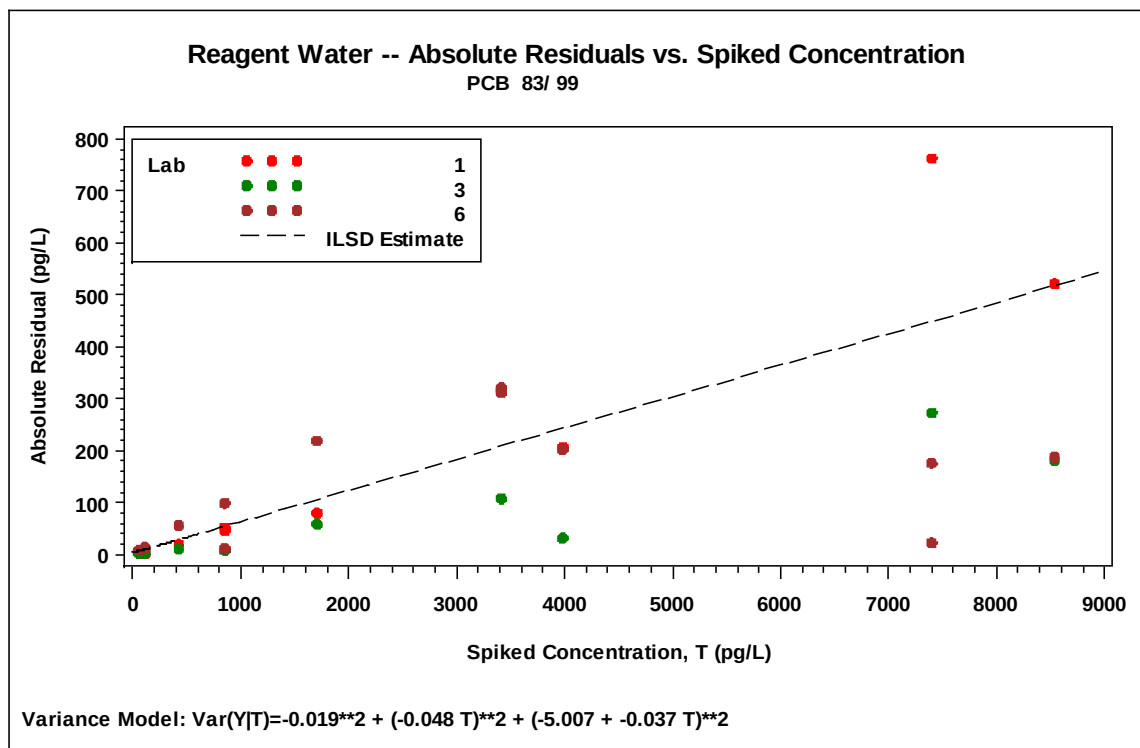
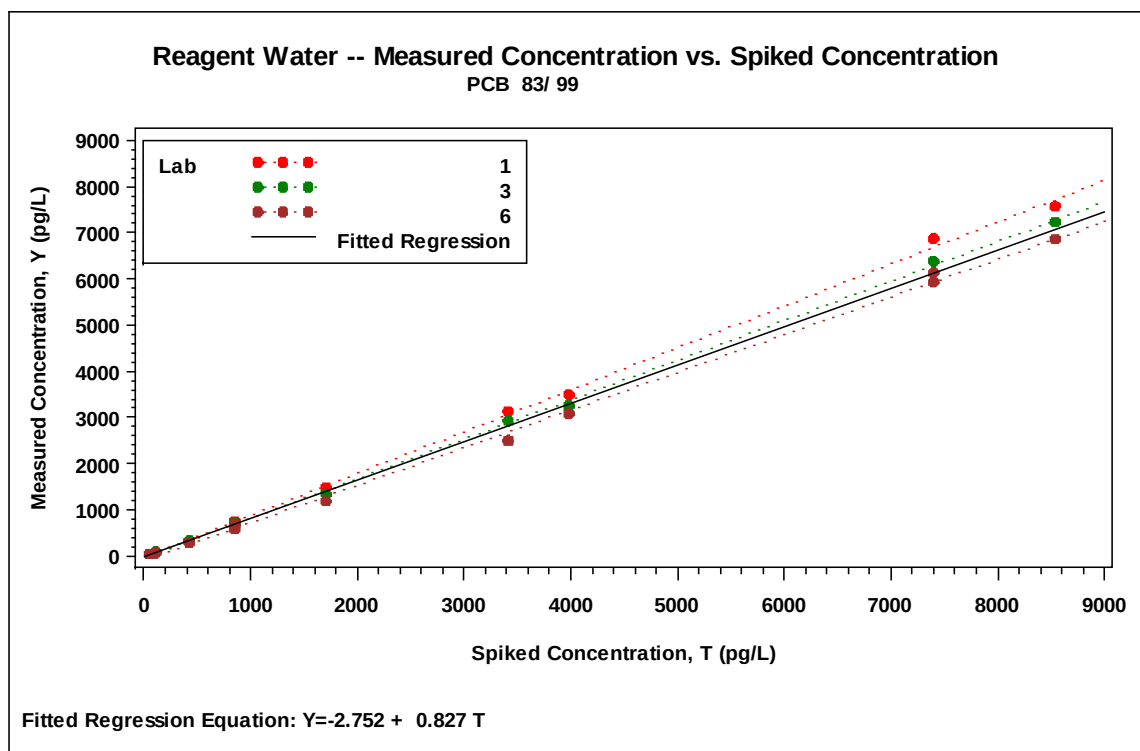


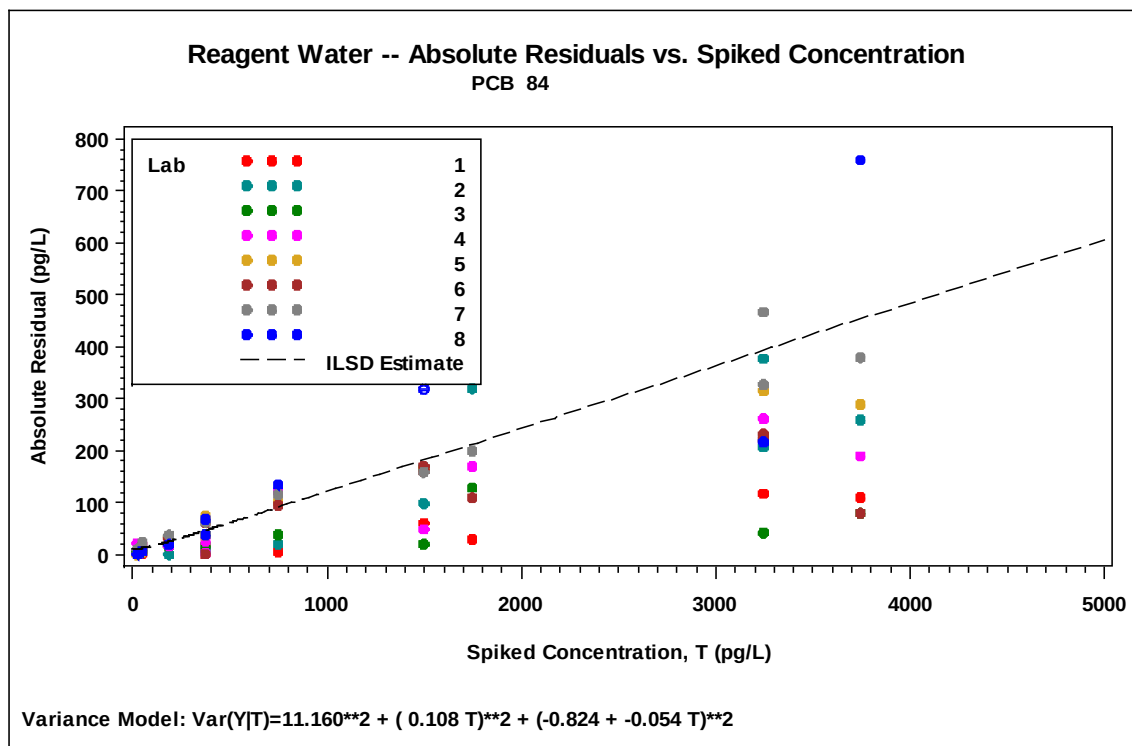
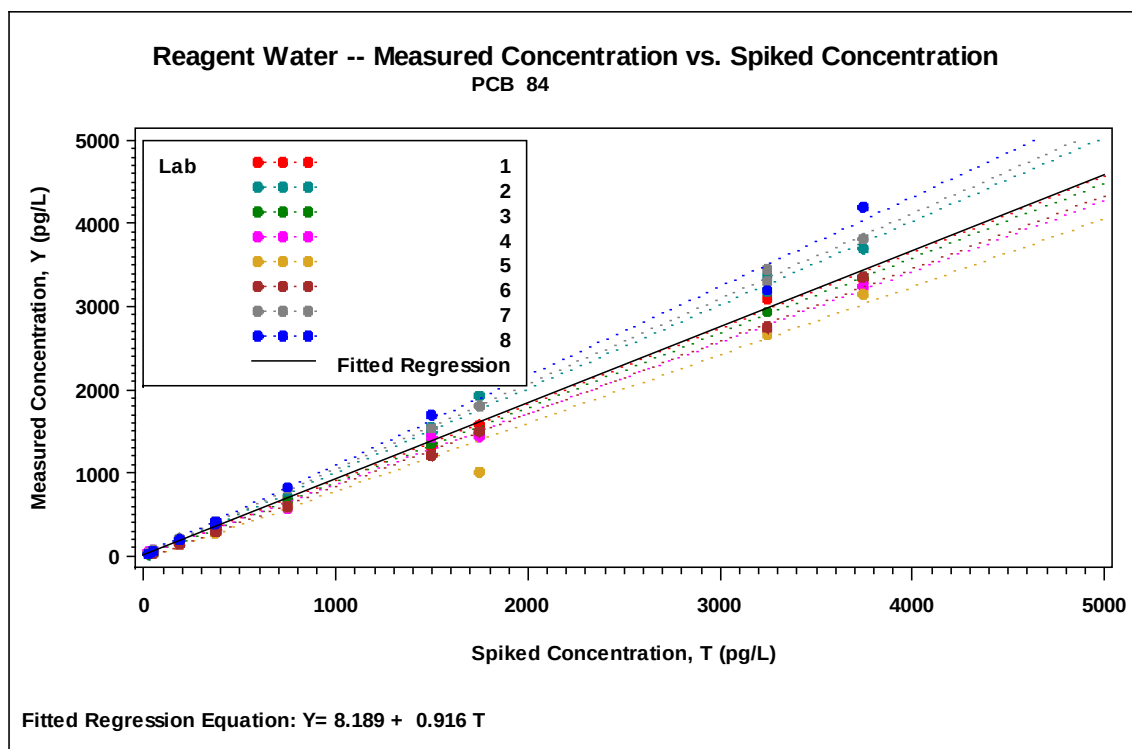






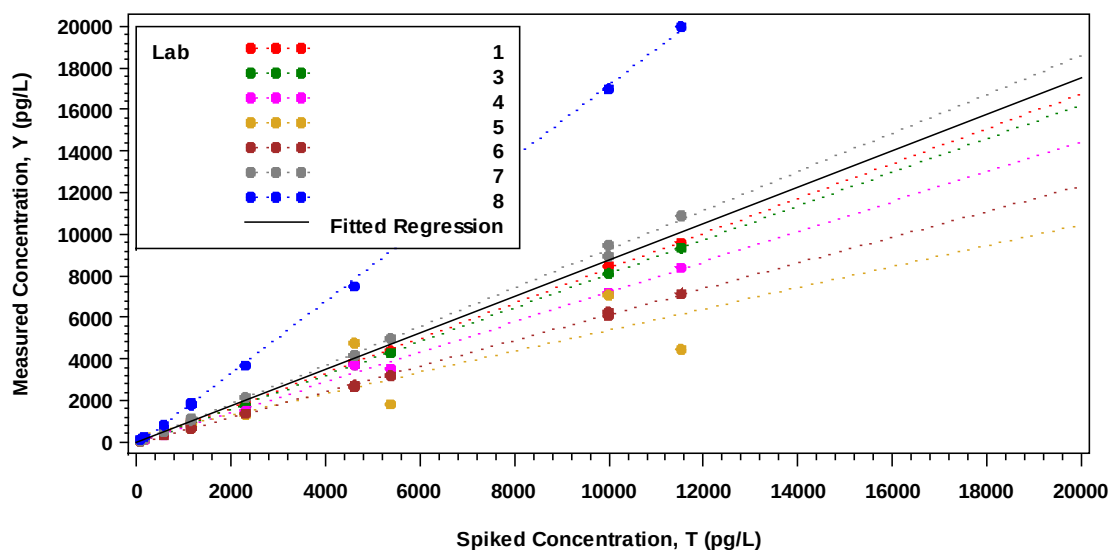






Reagent Water -- Measured Concentration vs. Spiked Concentration

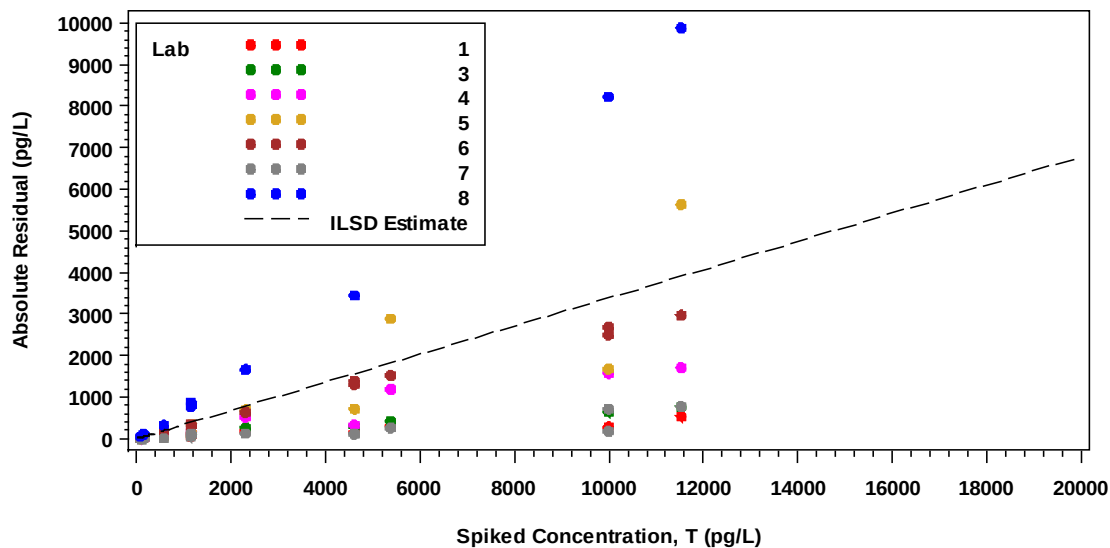
PCB 85/116/117



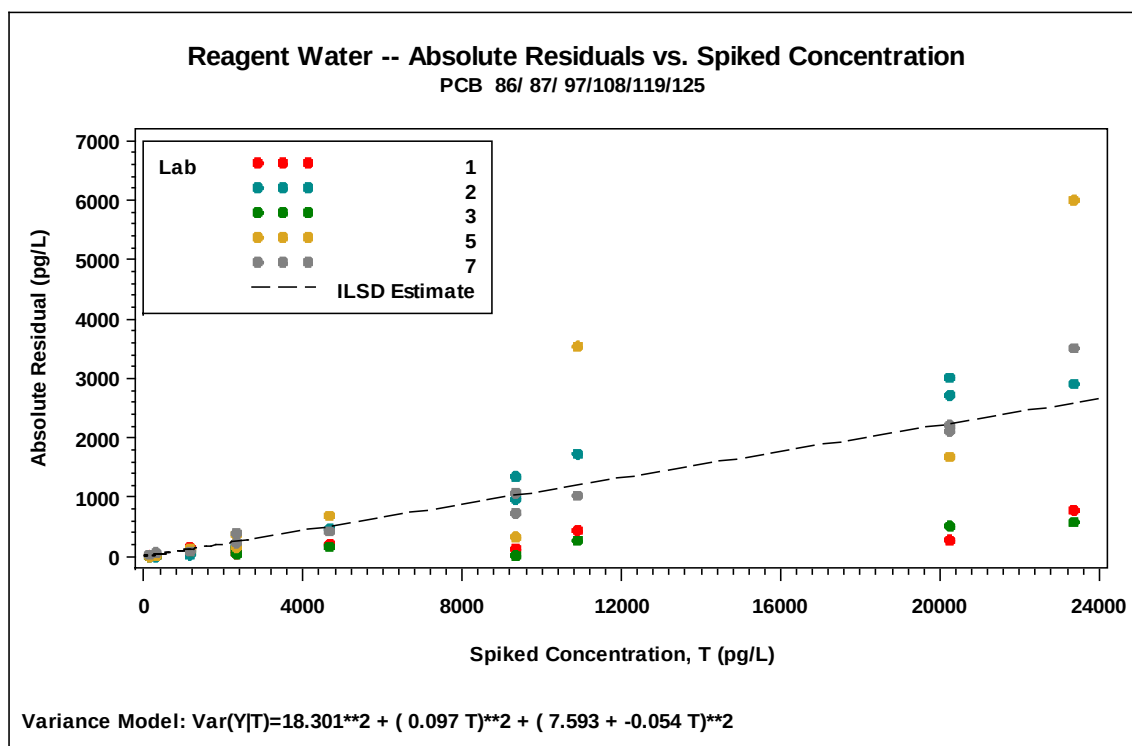
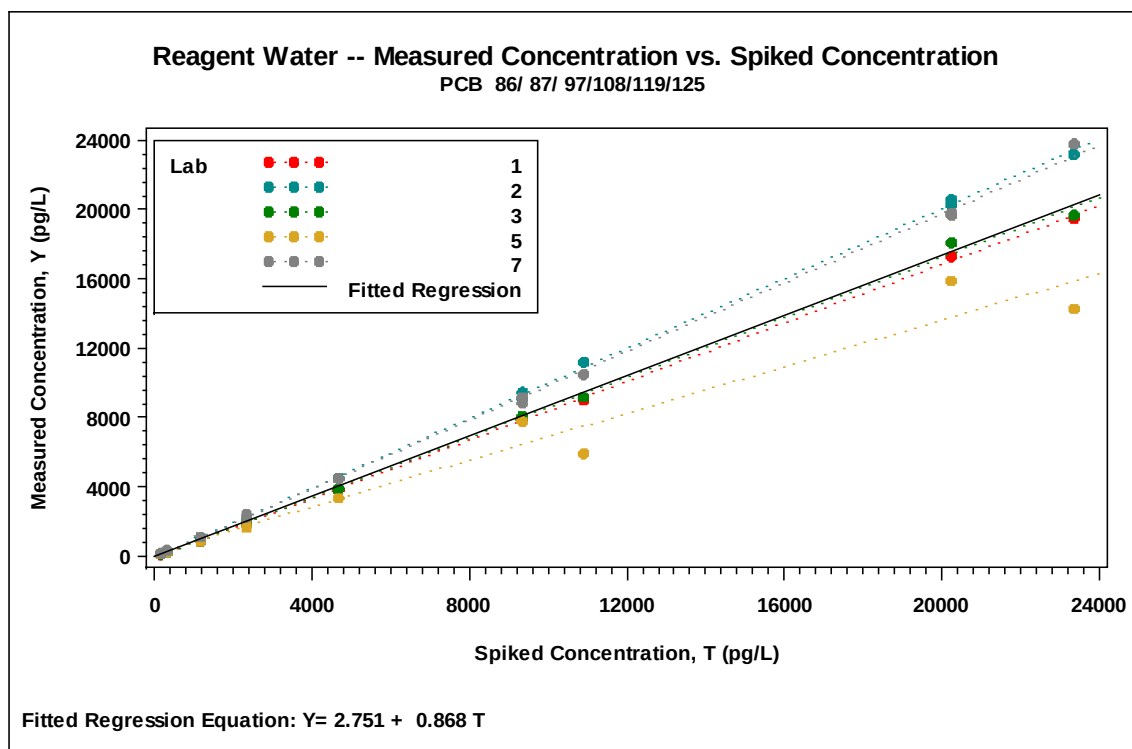
Fitted Regression Equation: $Y = 8.040 + 0.876 T$

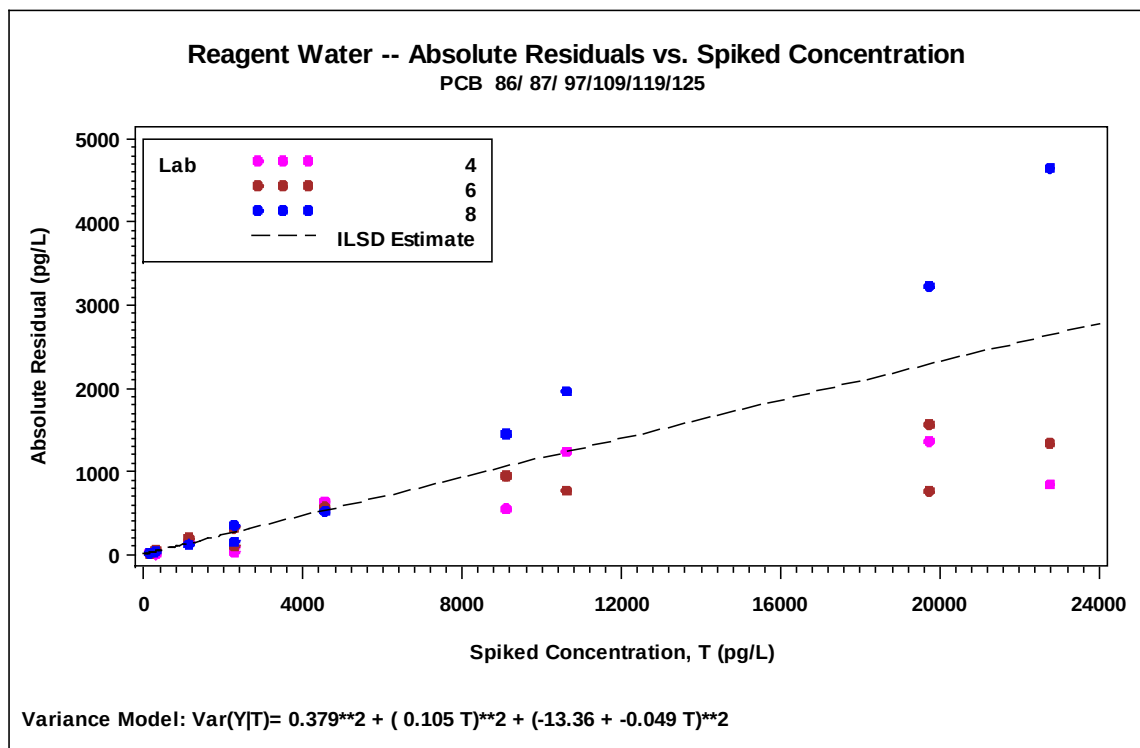
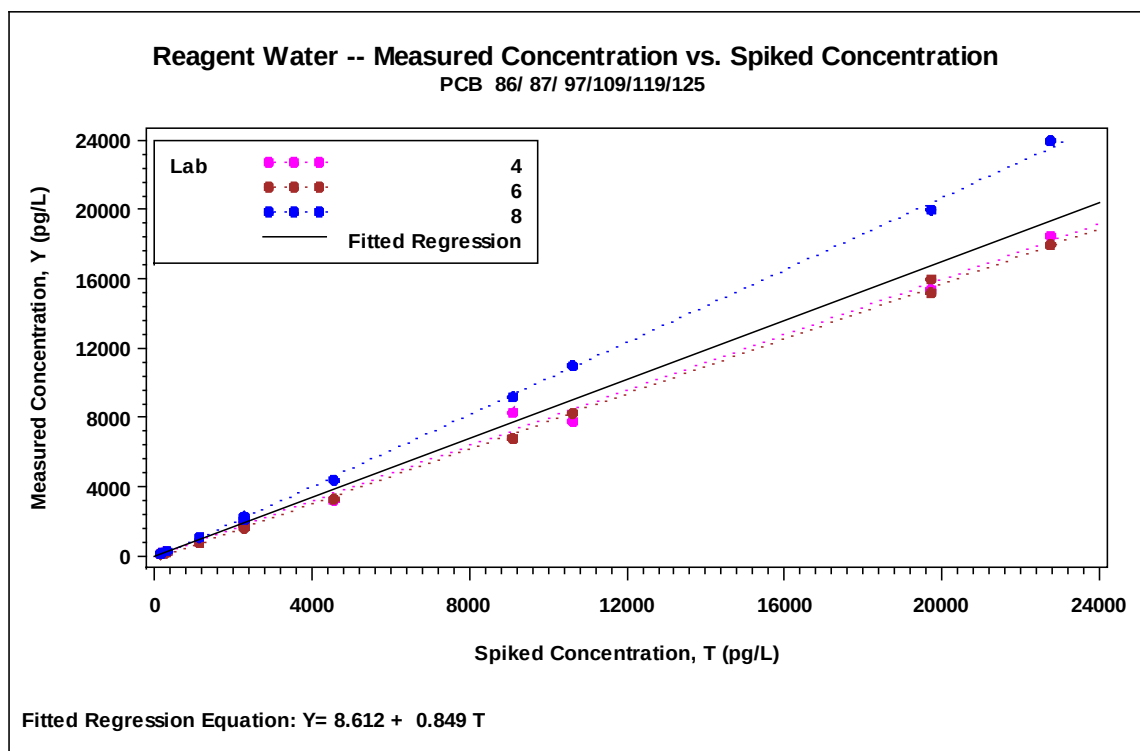
Reagent Water -- Absolute Residuals vs. Spiked Concentration

PCB 85/116/117

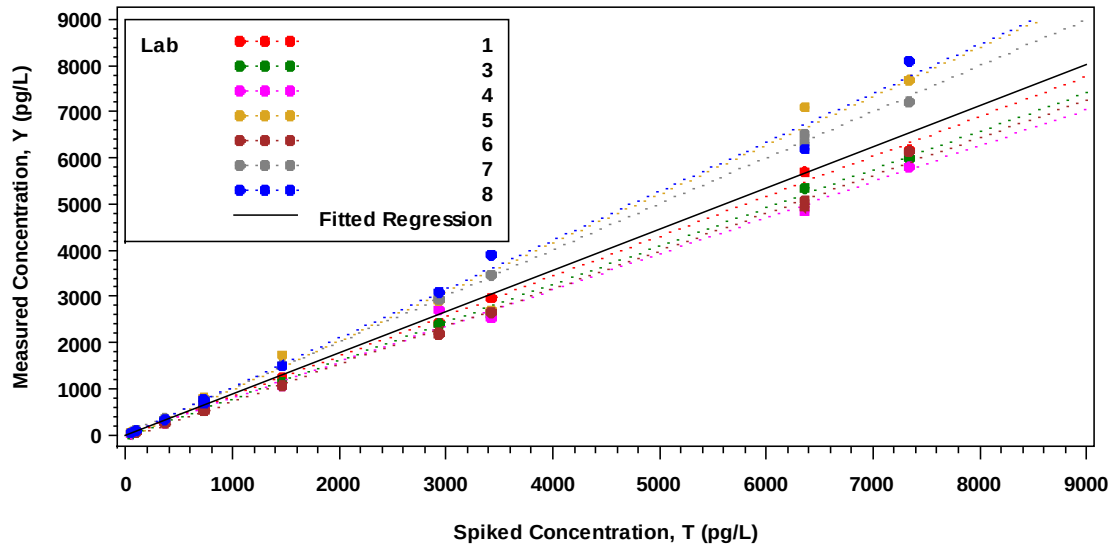


Variance Model: $\text{Var}(Y|T) = 11.808^{**2} + (0.322 T)^{**2} + (-4.782 + 0.105 T)^{**2}$



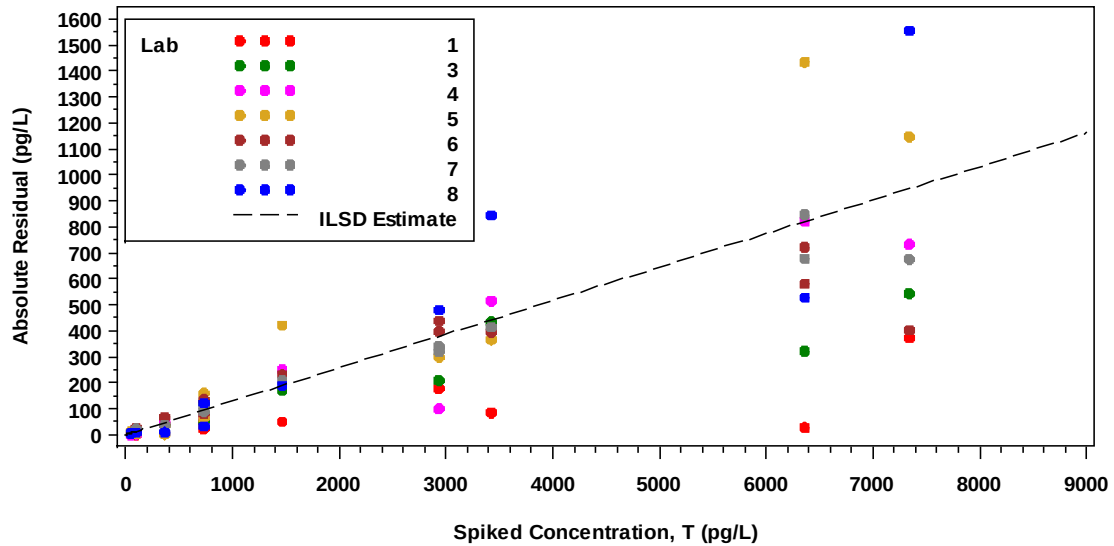


Reagent Water -- Measured Concentration vs. Spiked Concentration
PCB 88/ 91

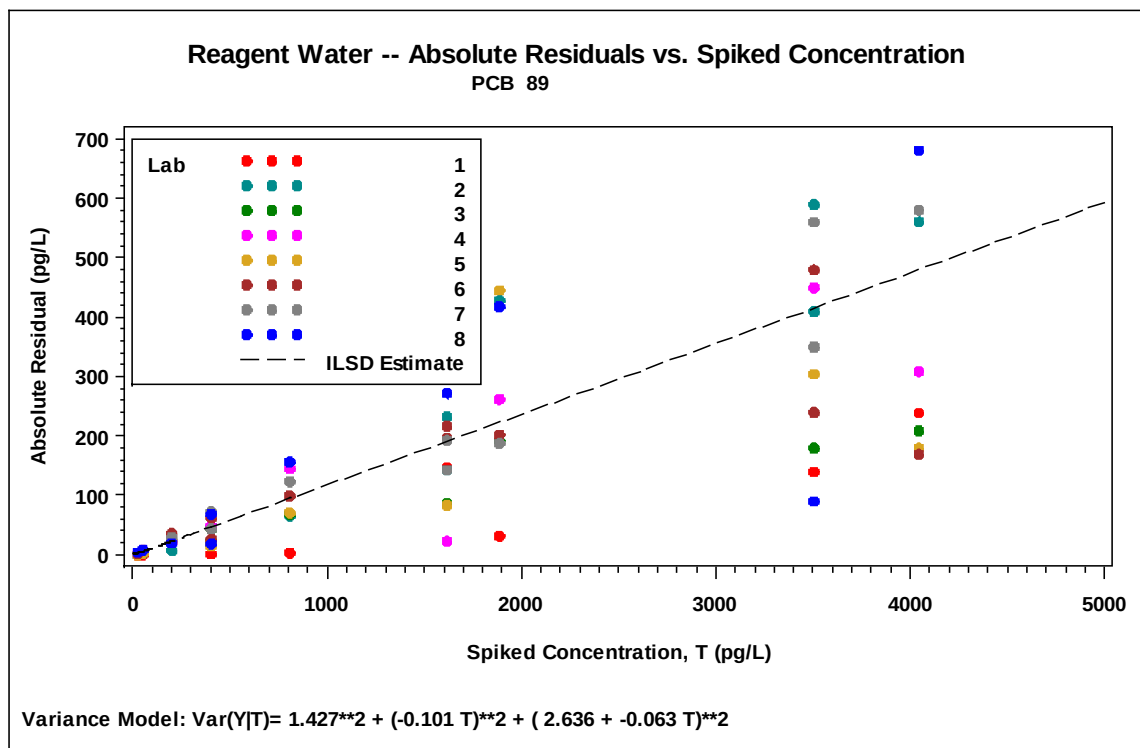
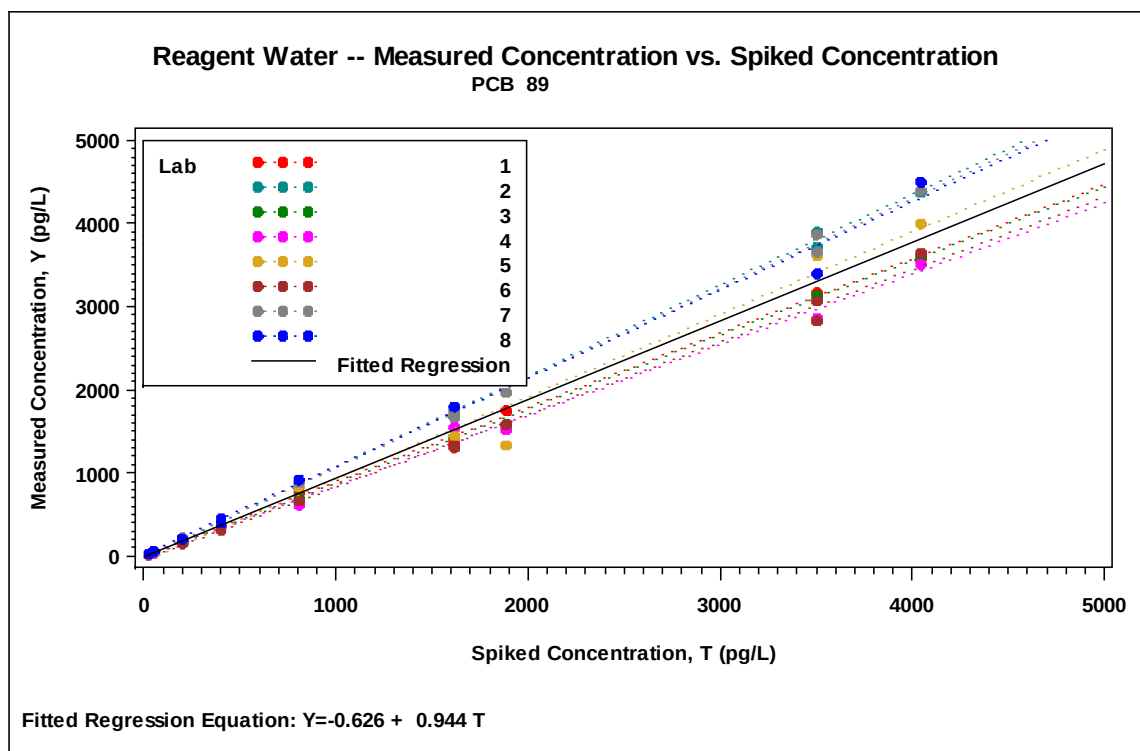


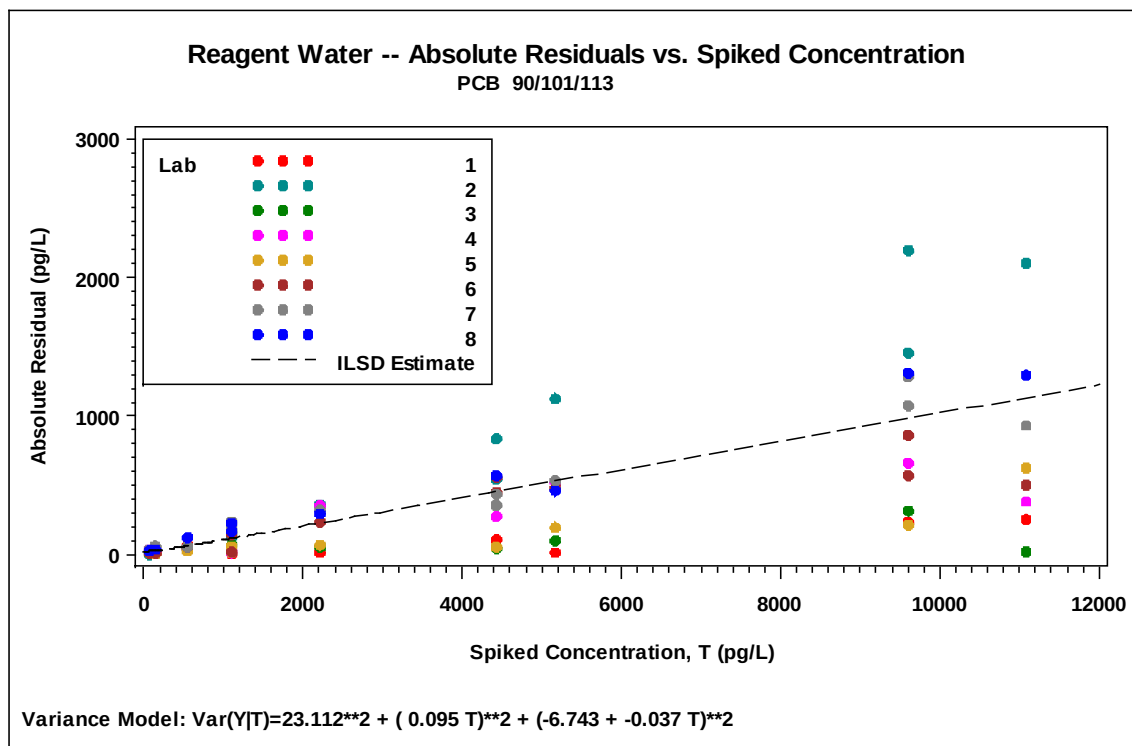
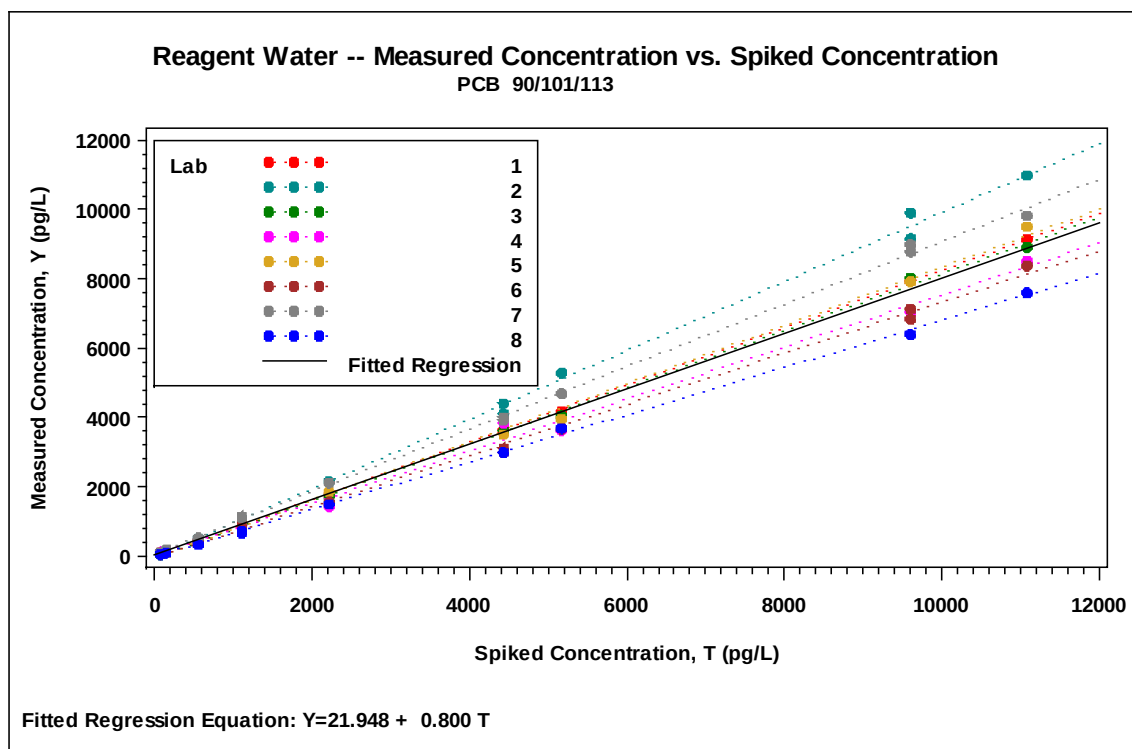
Fitted Regression Equation: $Y = 3.017 + 0.891 T$

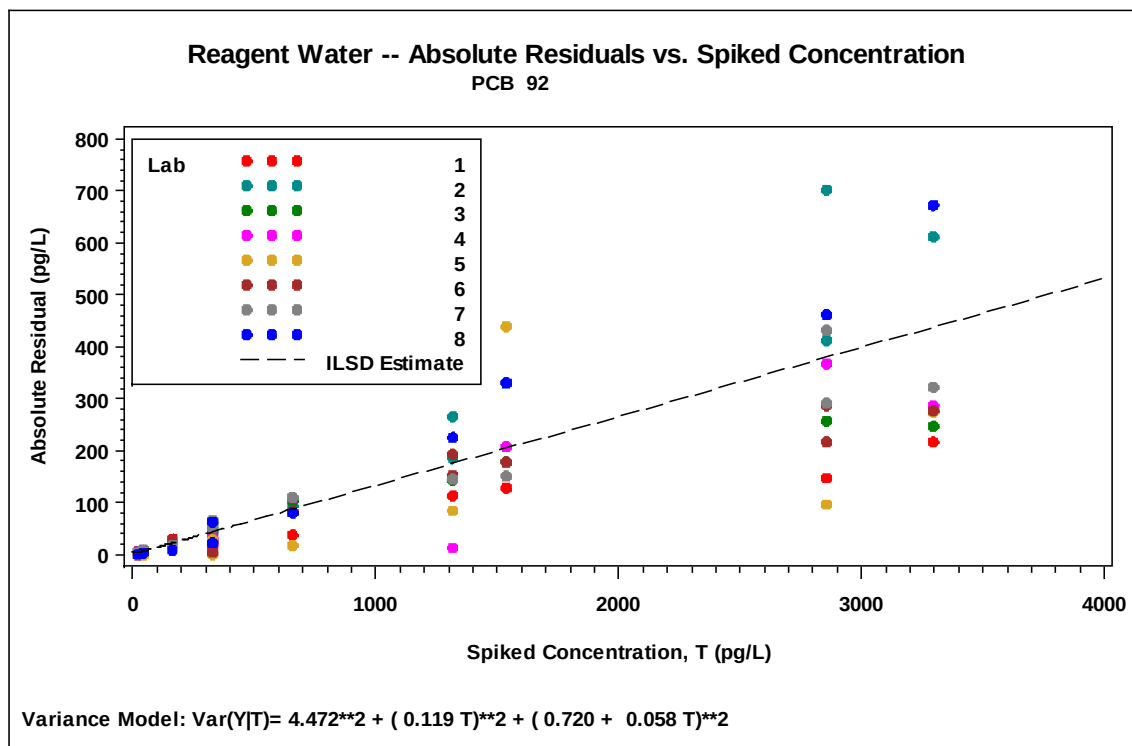
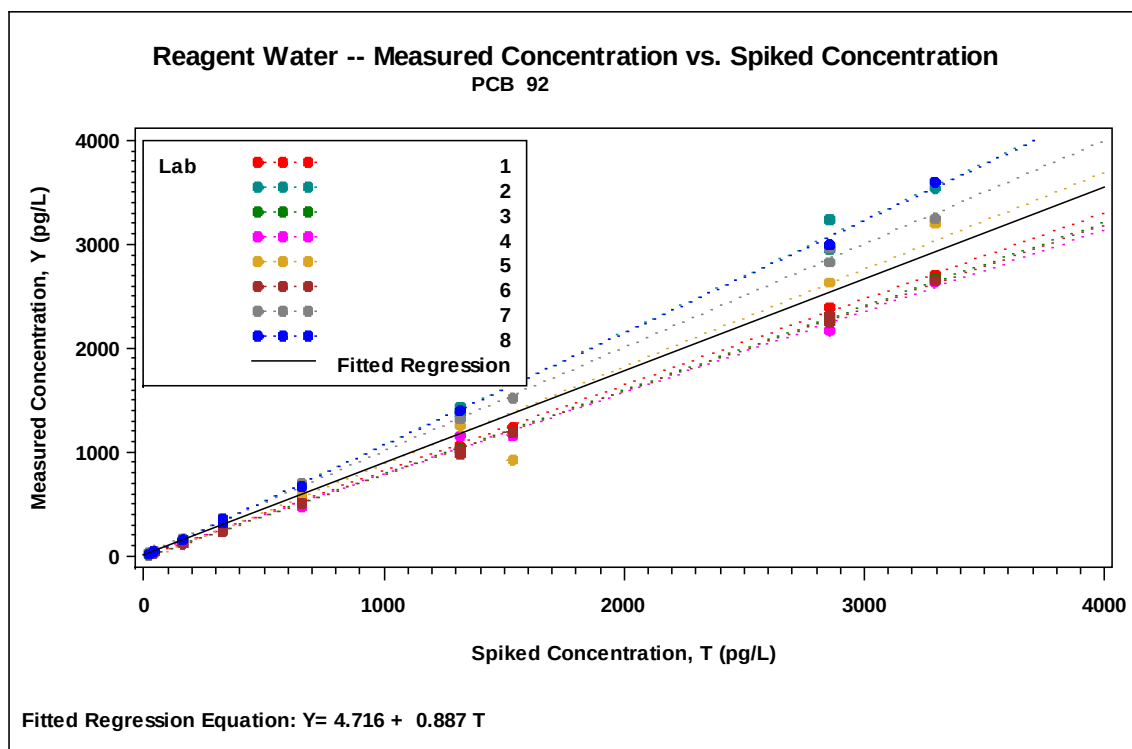
Reagent Water -- Absolute Residuals vs. Spiked Concentration
PCB 88/ 91

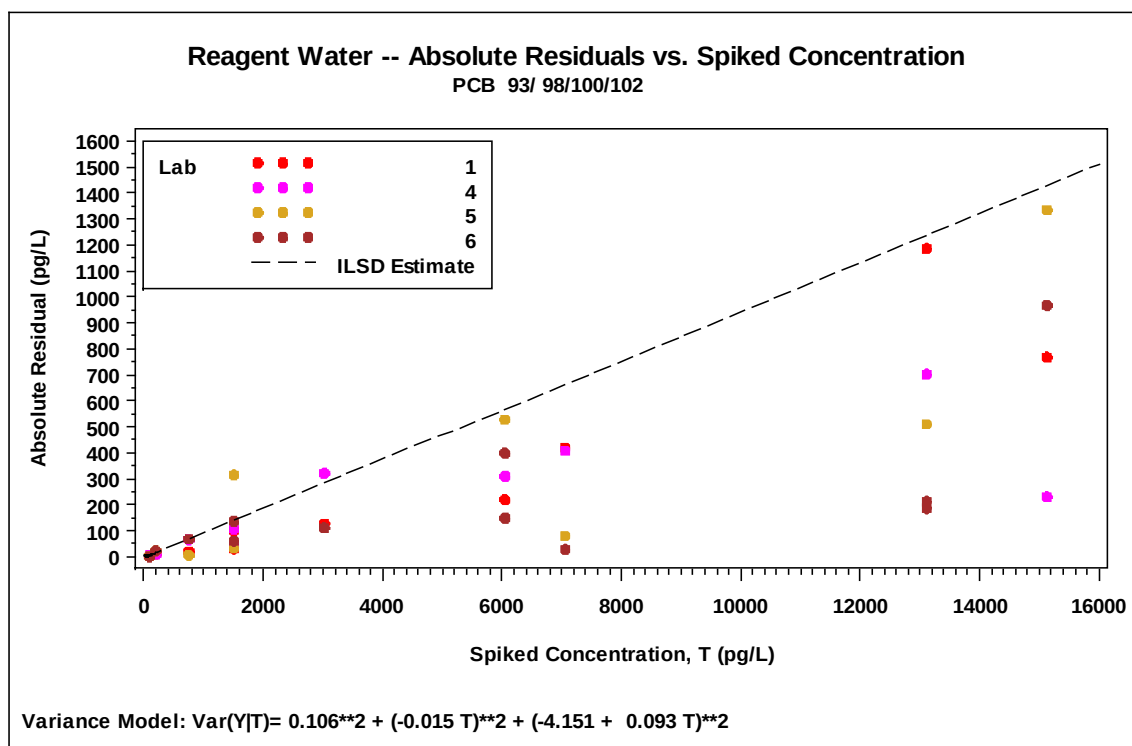
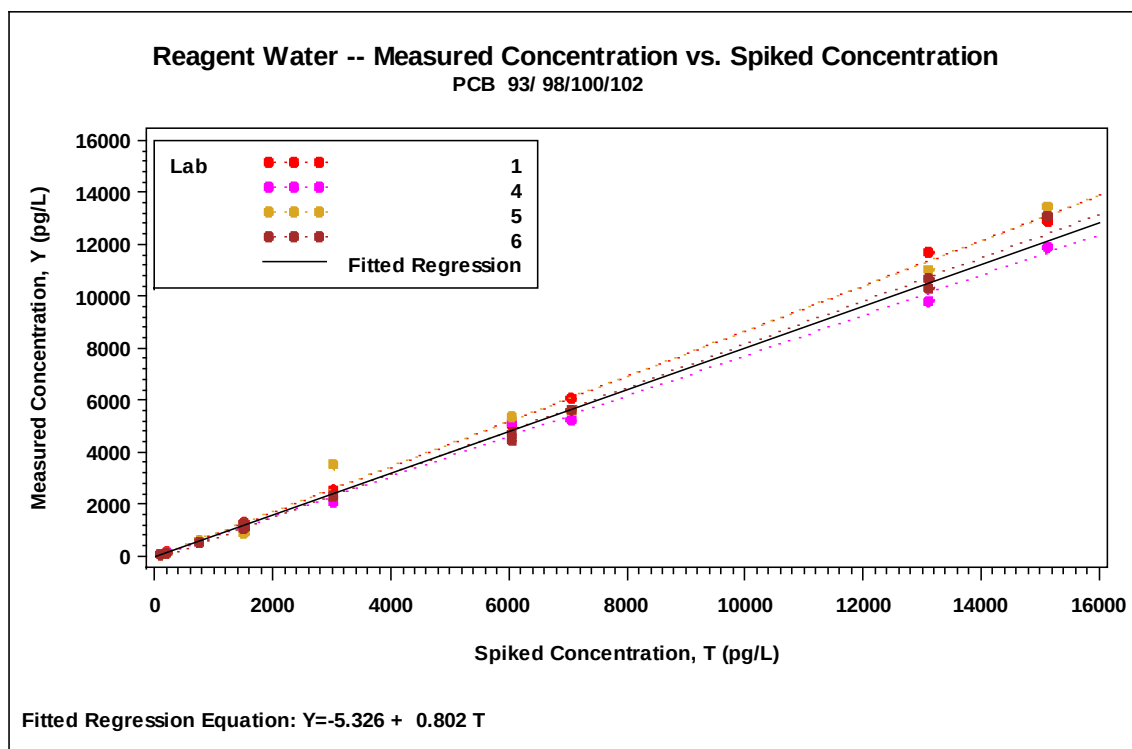


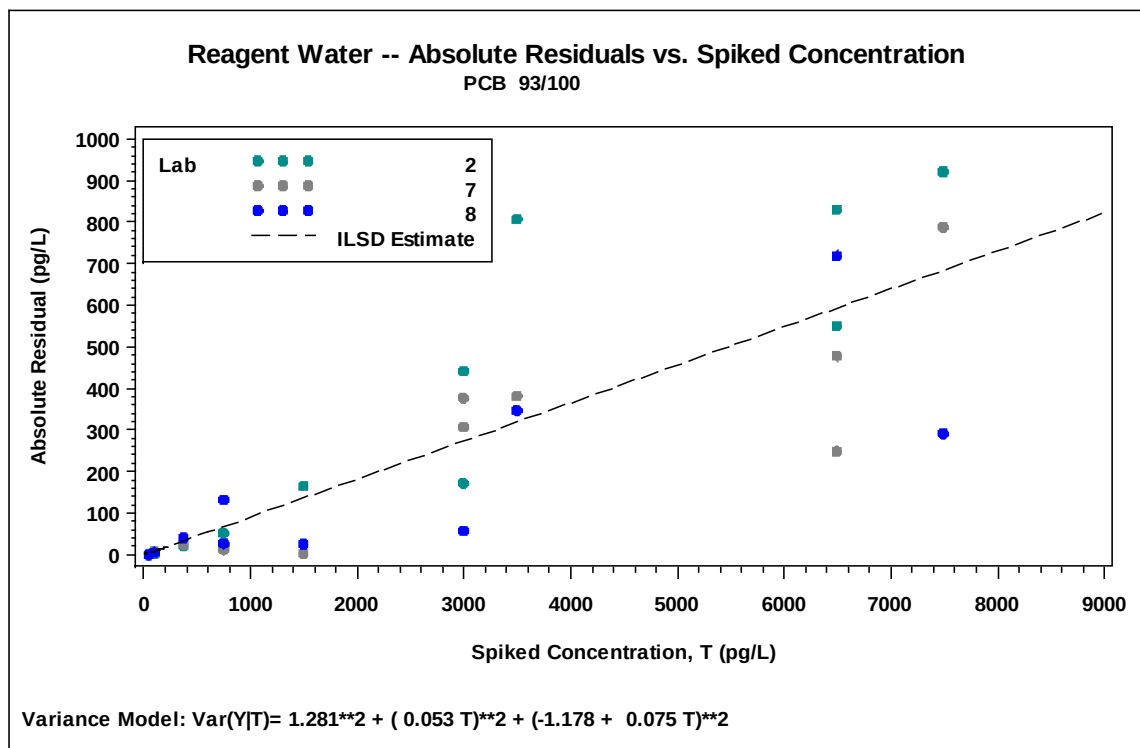
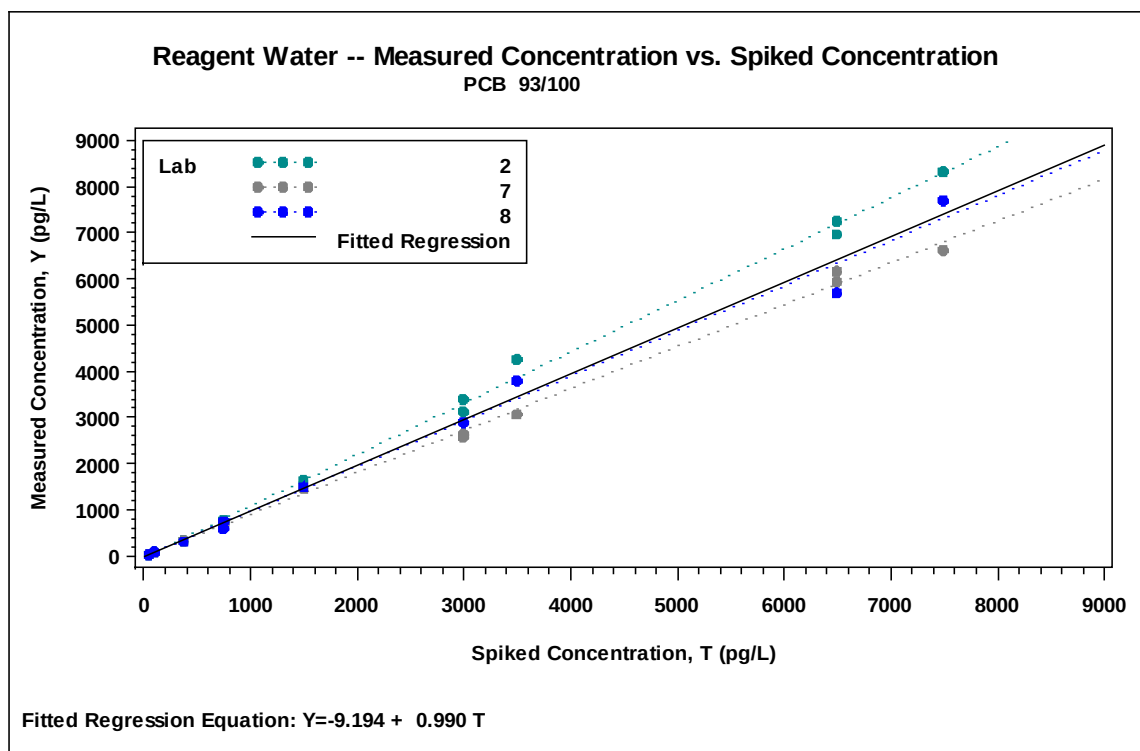
Variance Model: $\text{Var}(Y|T) = 0.121^{**2} + (0.111 T)^{**2} + (-0.721 + -0.065 T)^{**2}$

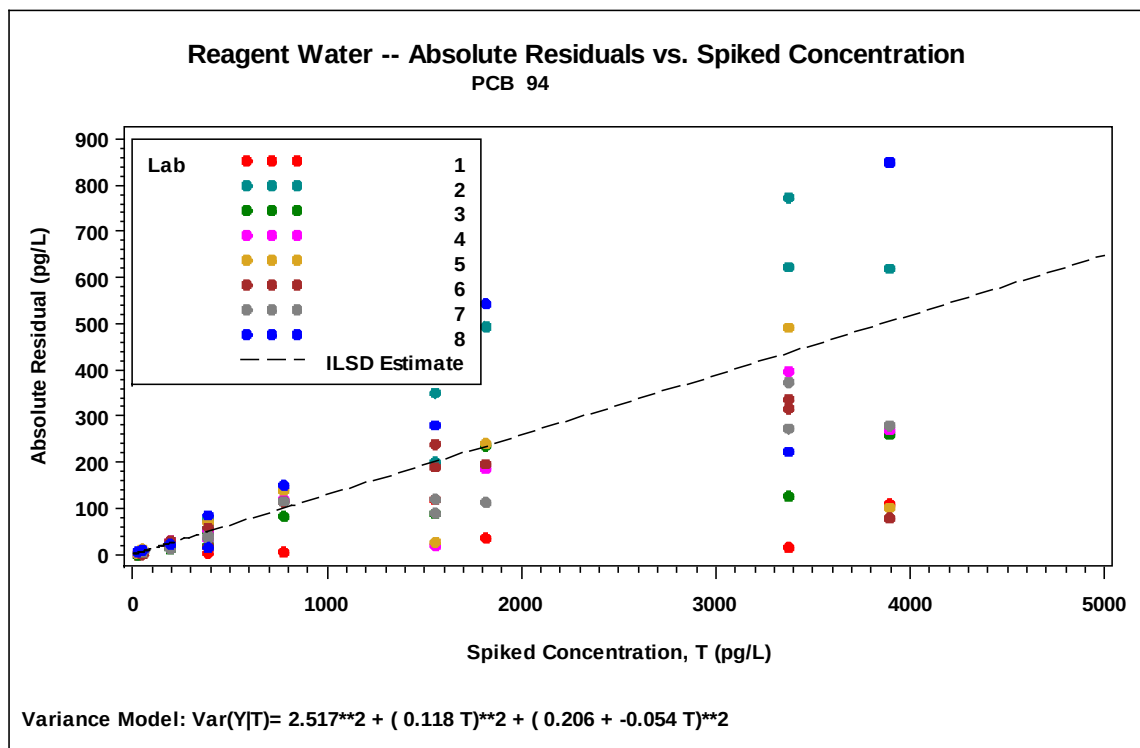
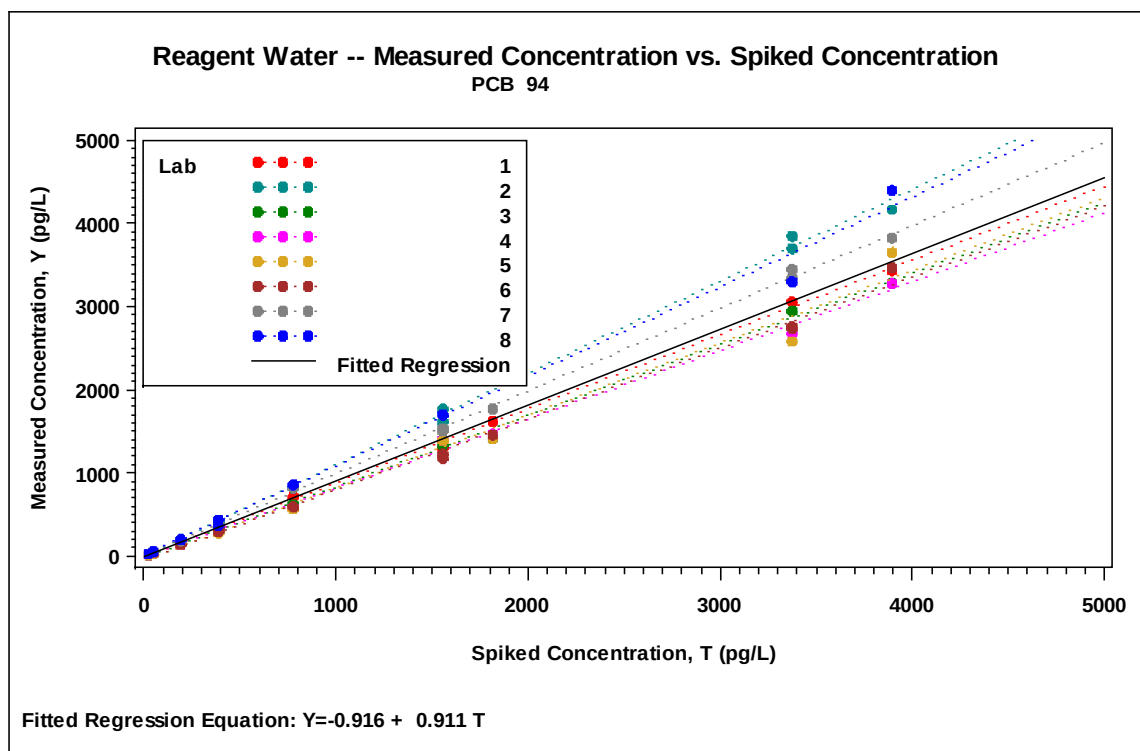






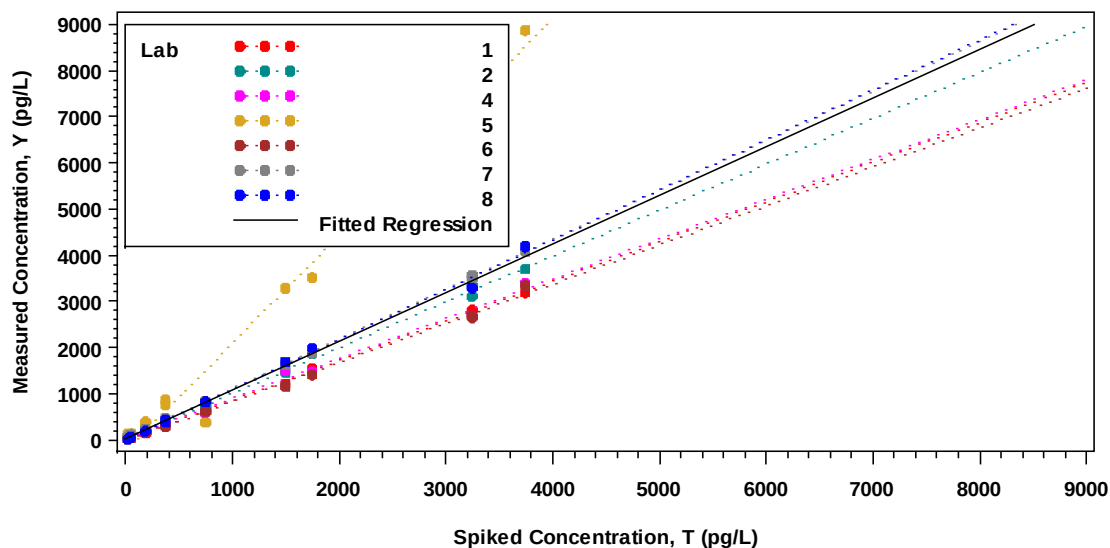






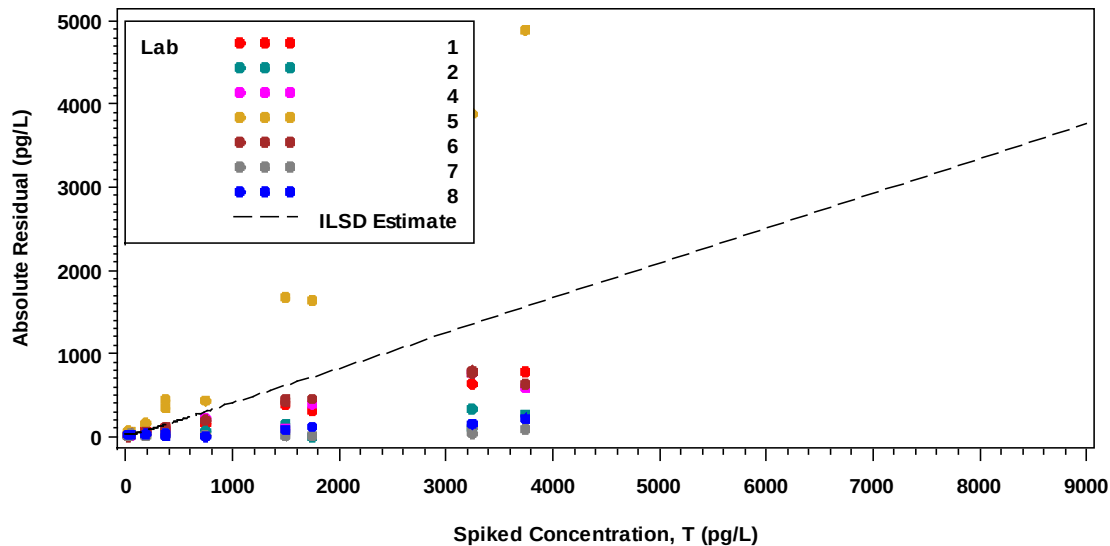
Reagent Water -- Measured Concentration vs. Spiked Concentration

PCB 95

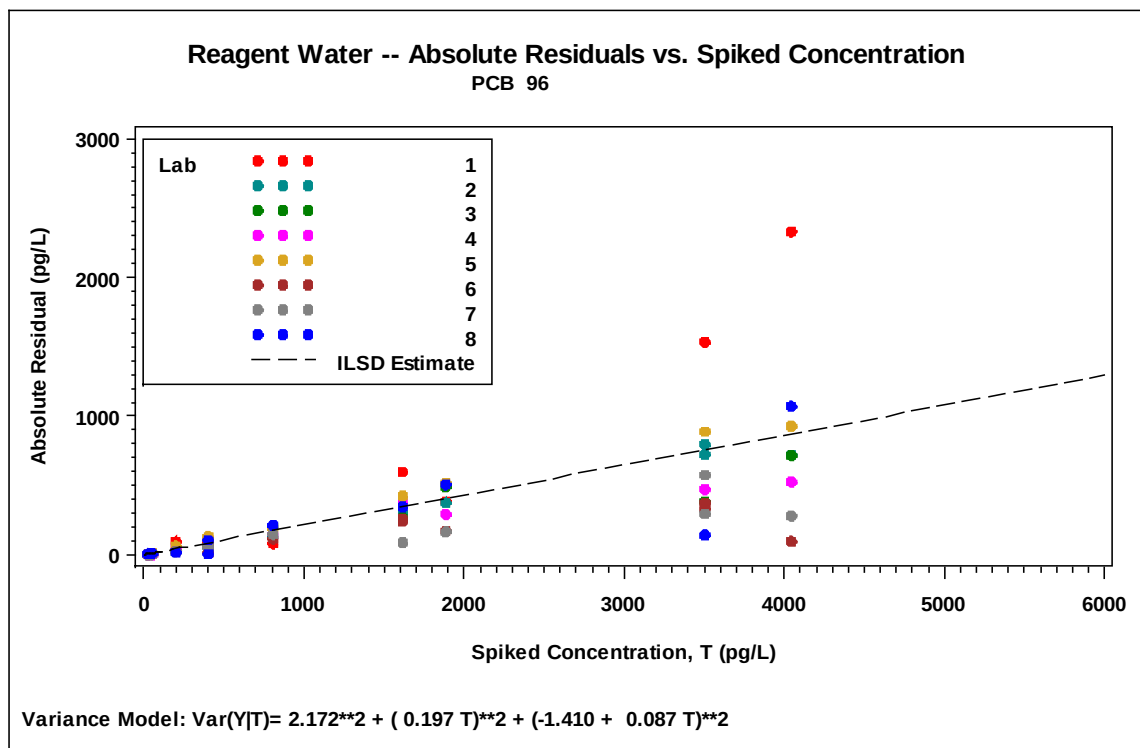
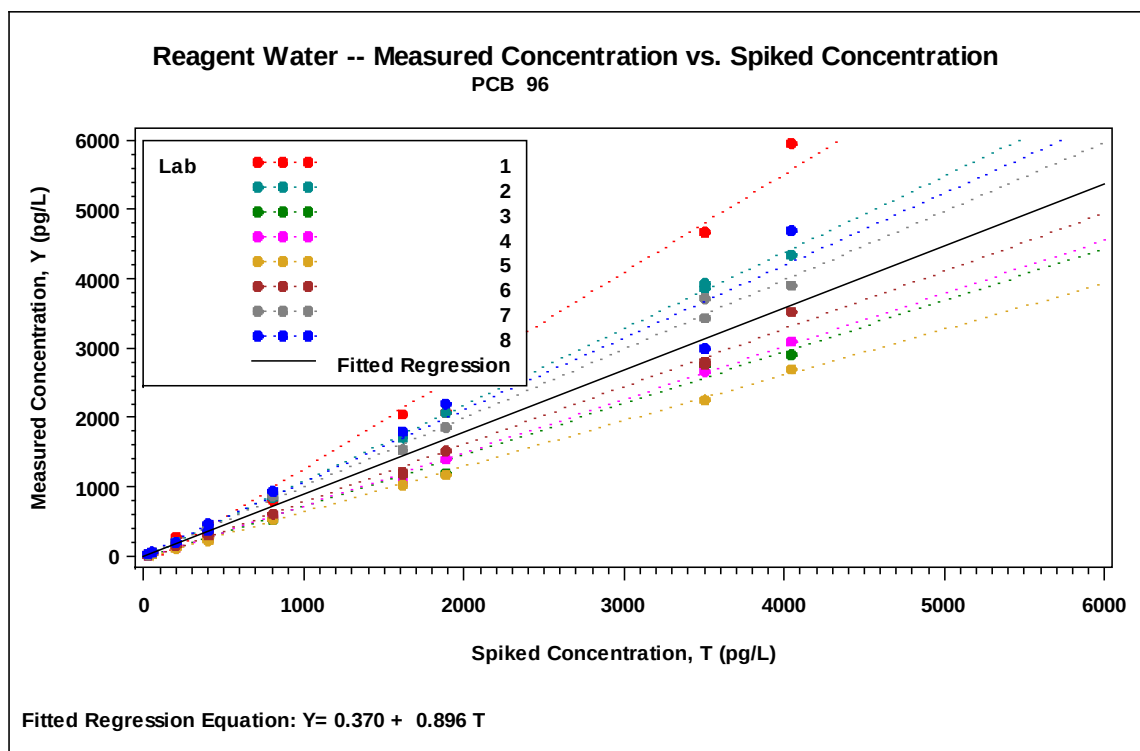


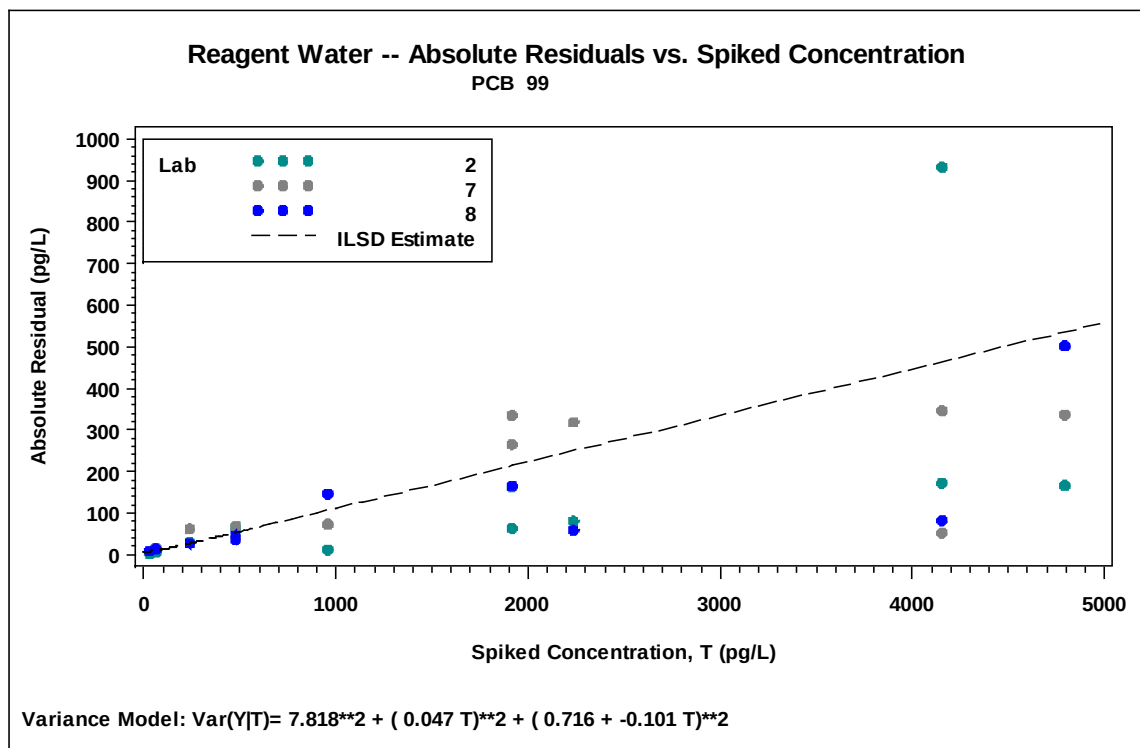
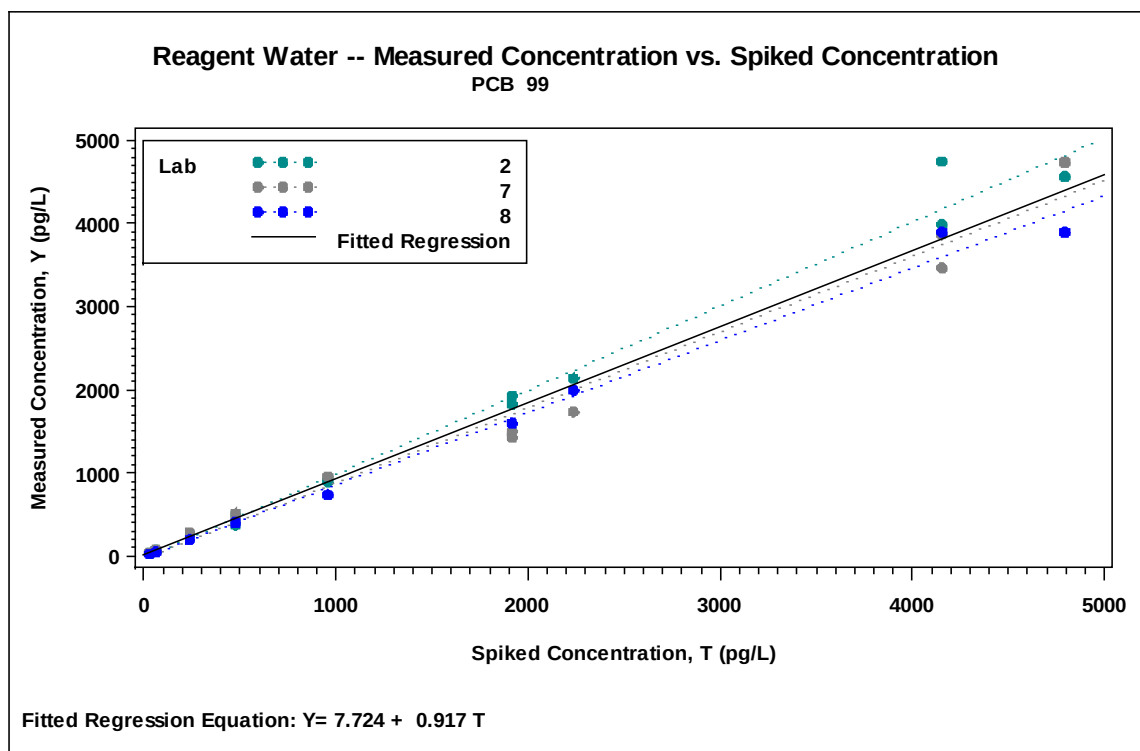
Reagent Water -- Absolute Residuals vs. Spiked Concentration

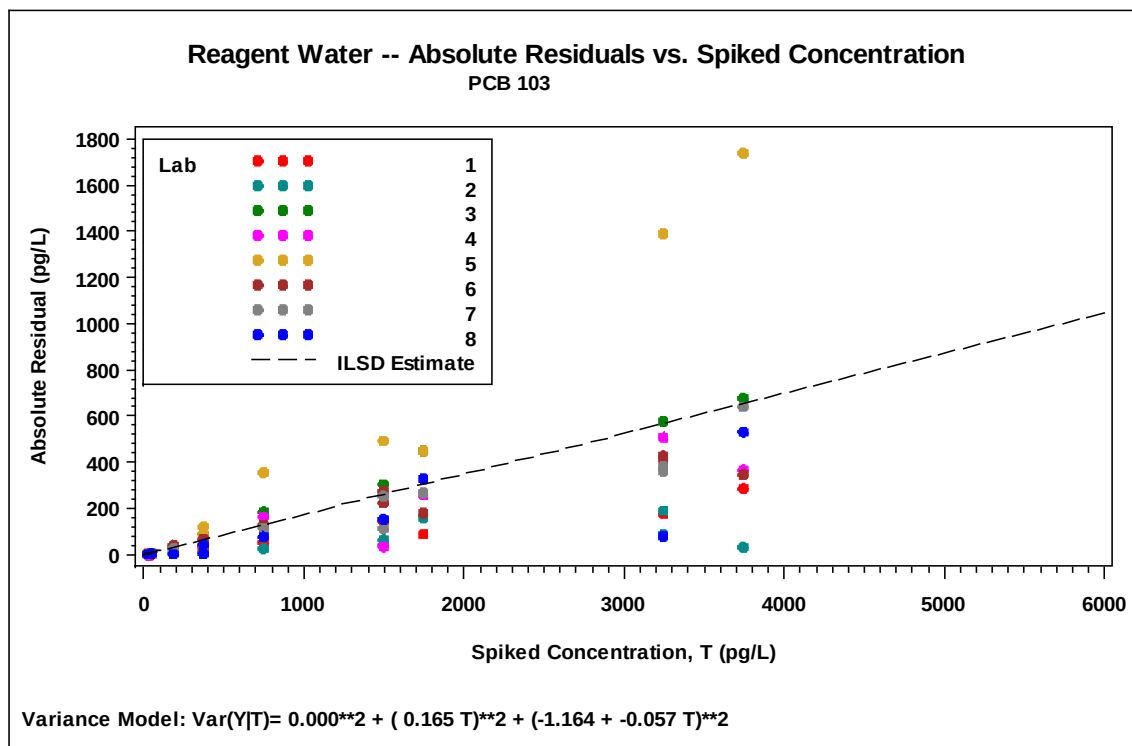
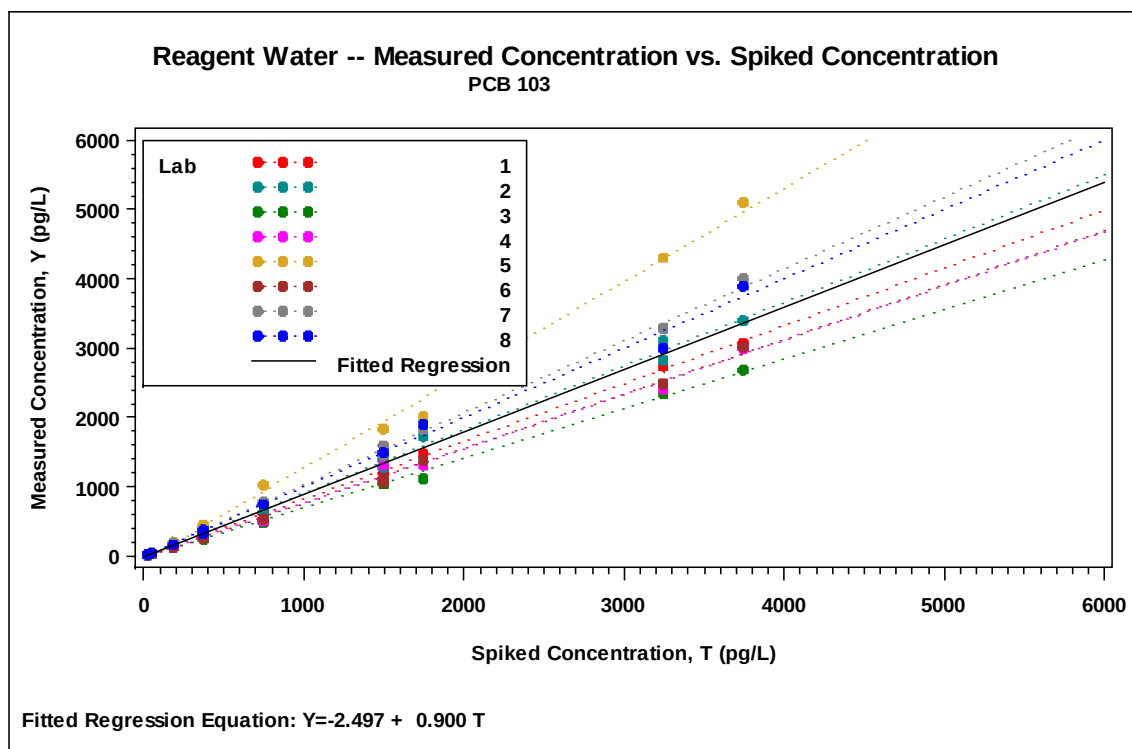
PCB 95

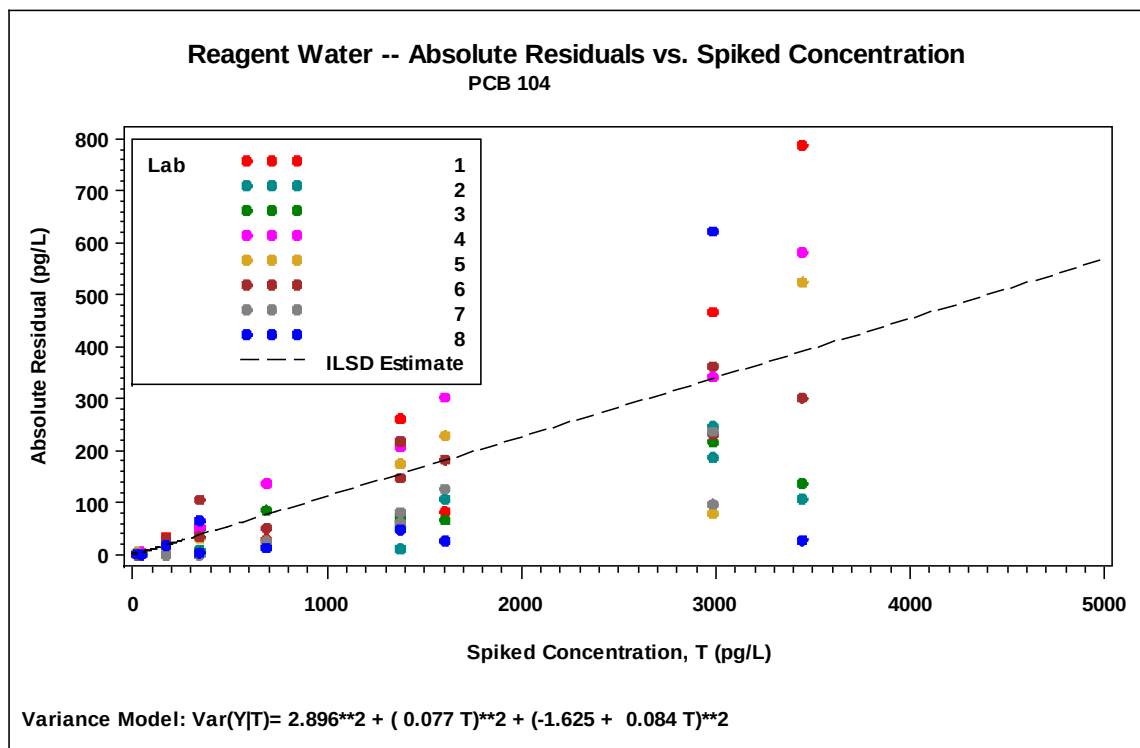
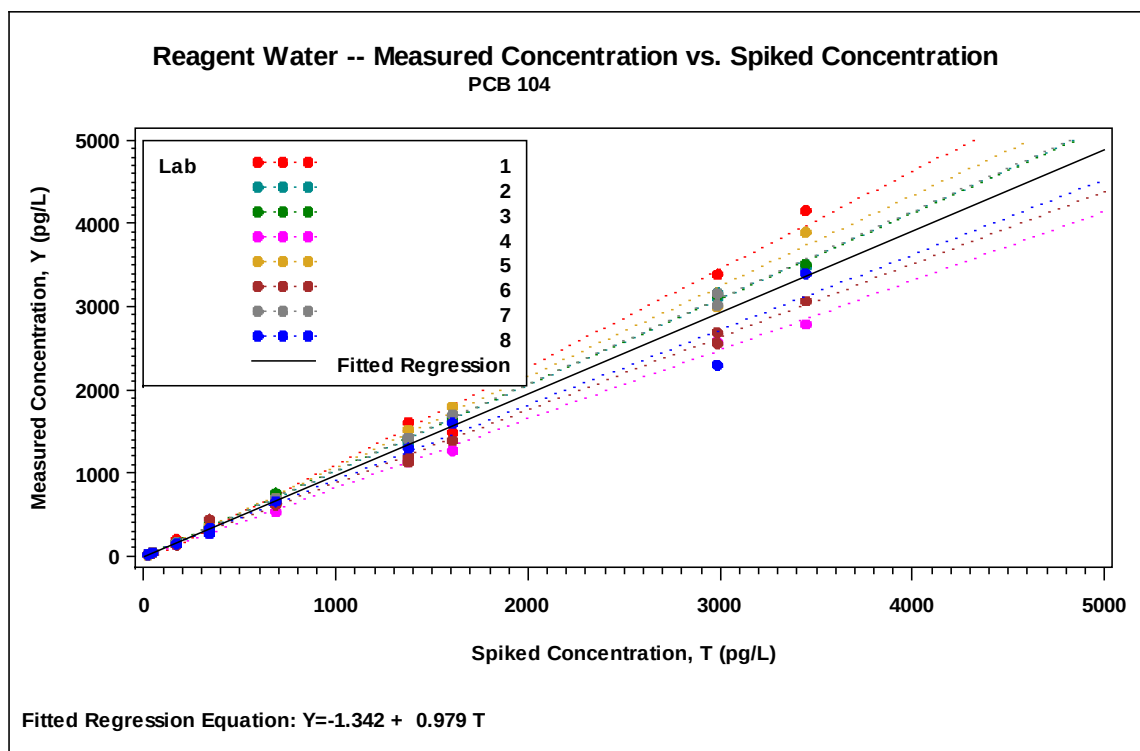


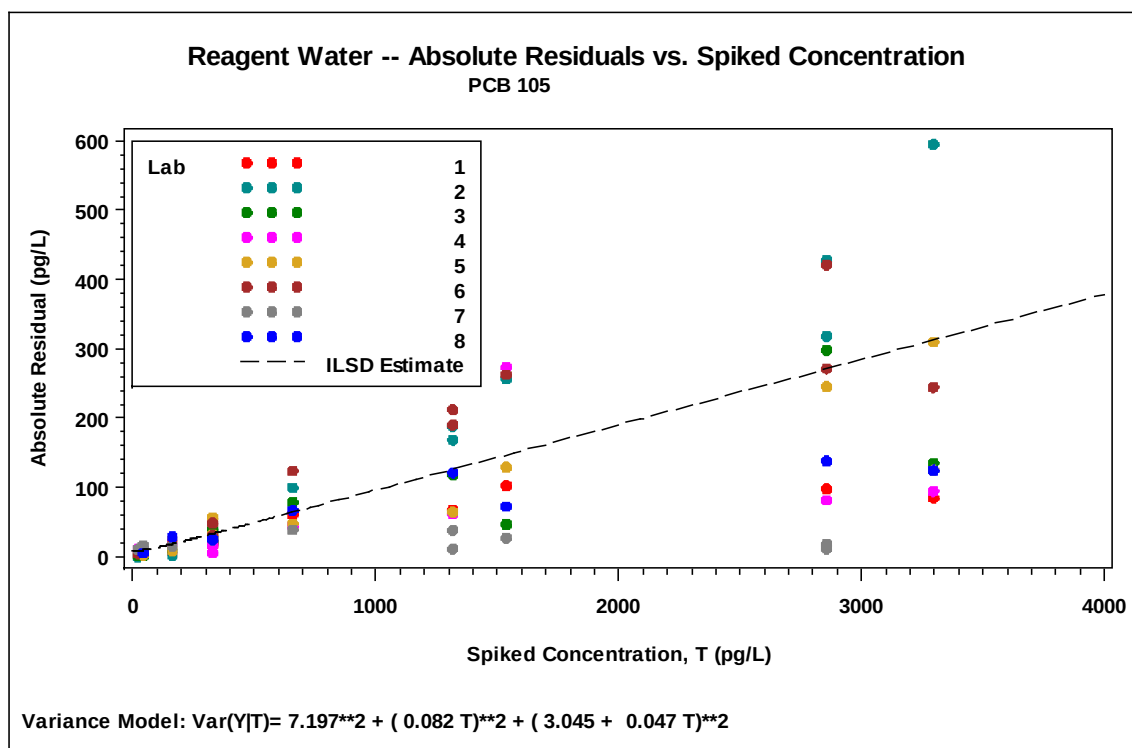
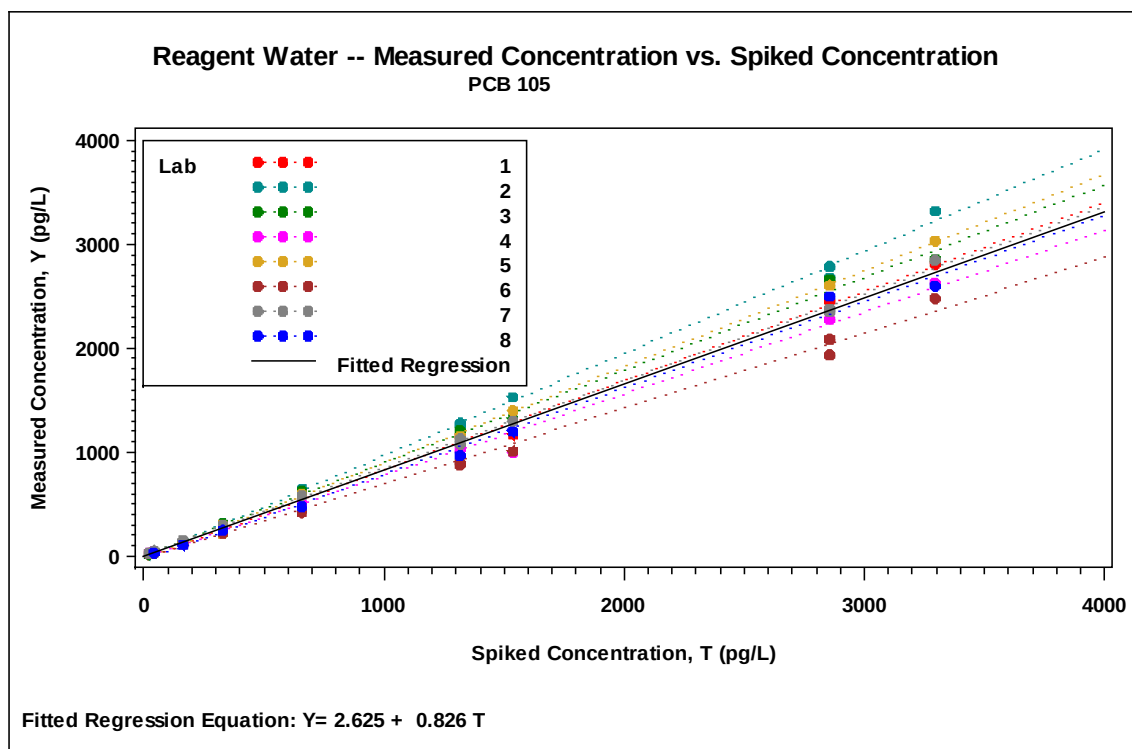
$$\text{Variance Model: } \text{Var}(Y|T) = 24.697^{**2} + (0.336 T)^{**2} + (21.333 + -0.251 T)^{**2}$$

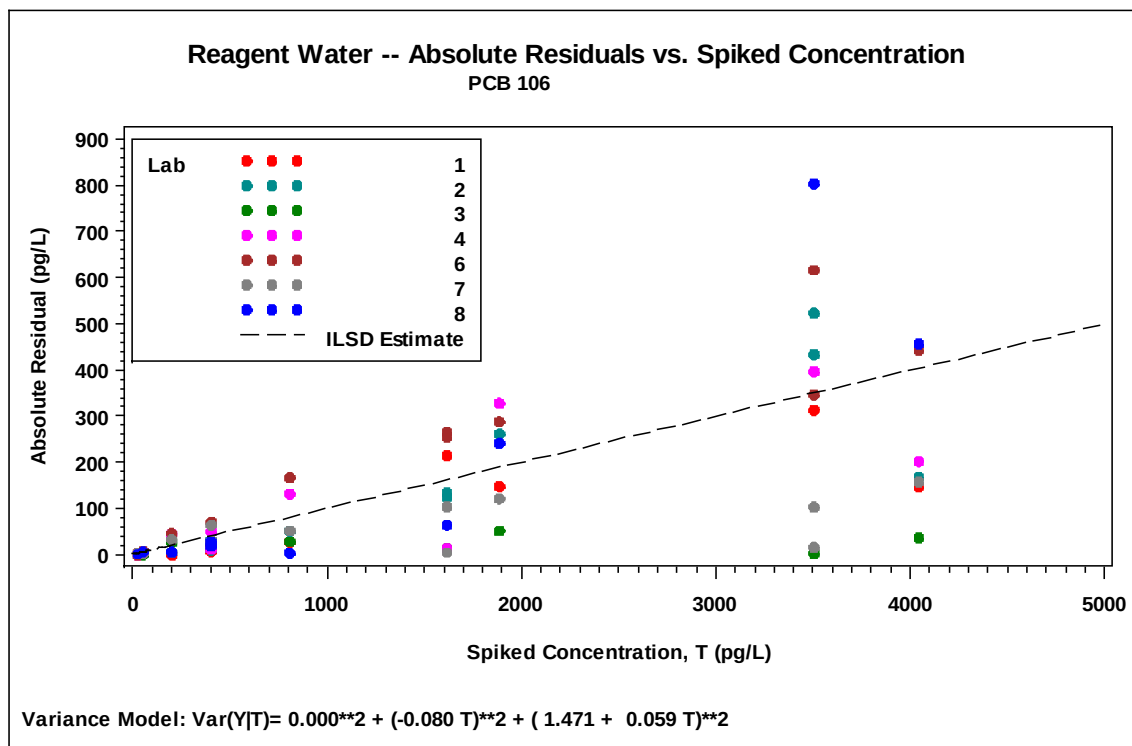
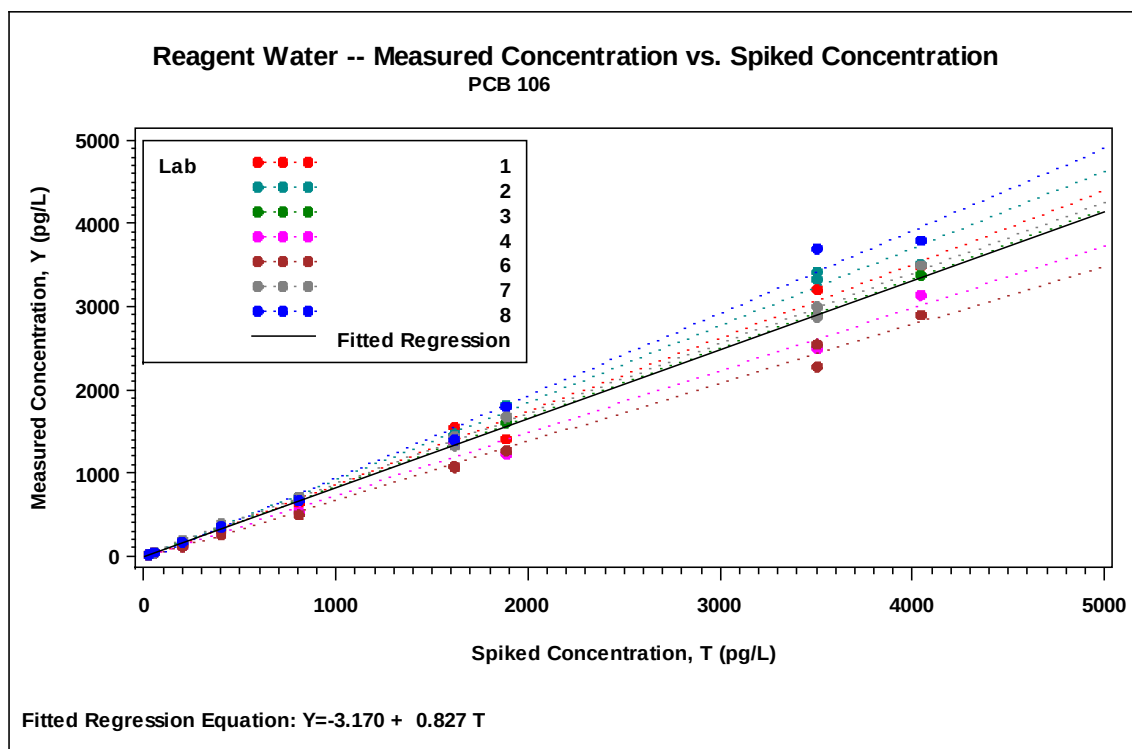




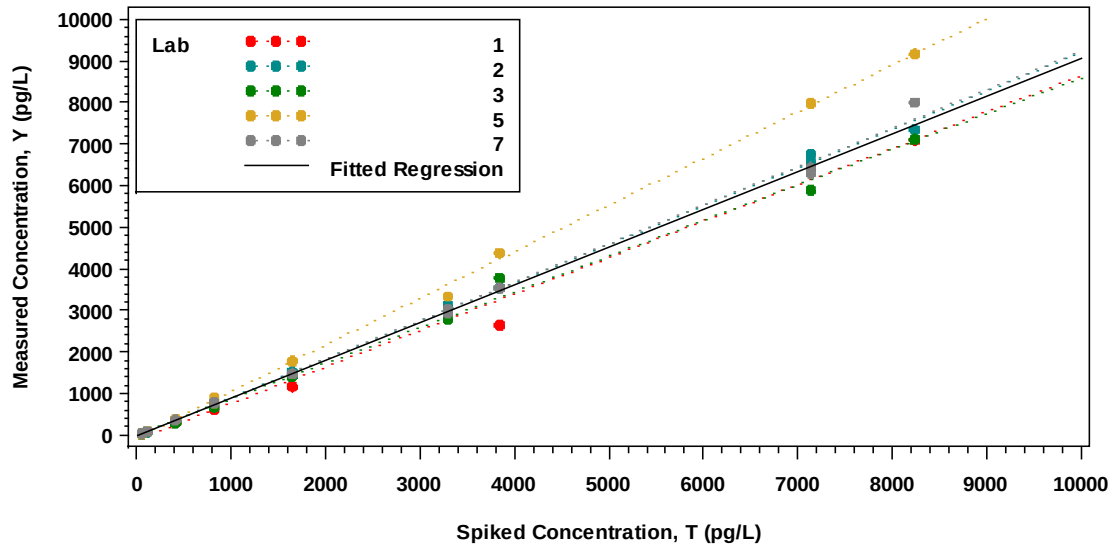




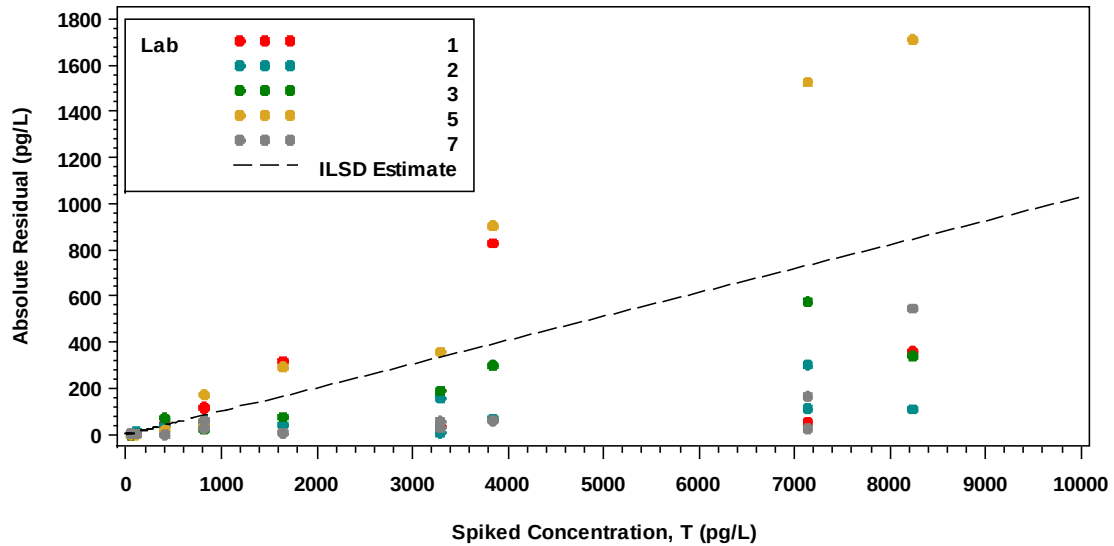




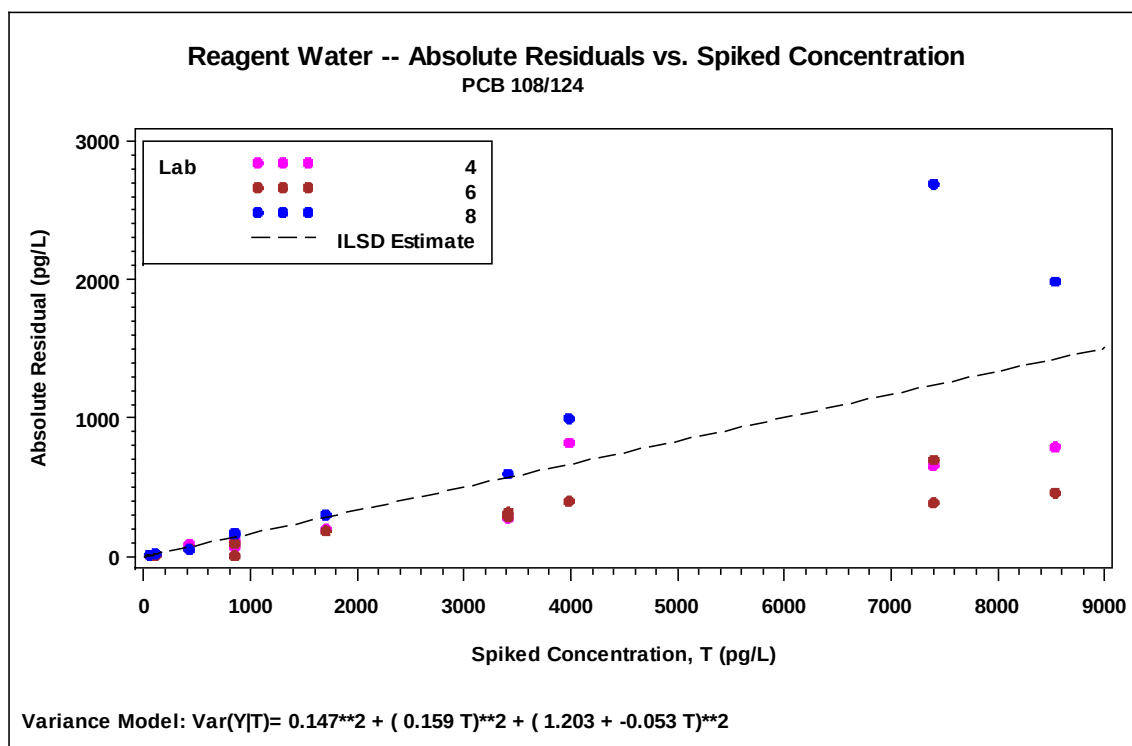
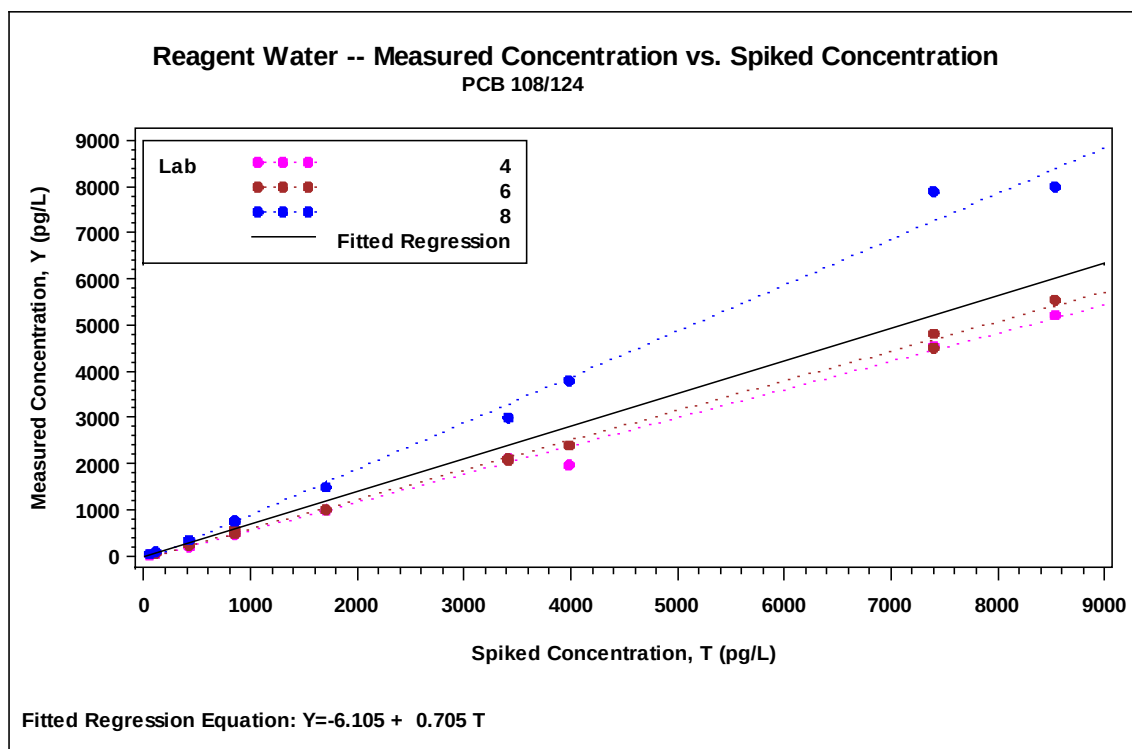
Reagent Water -- Measured Concentration vs. Spiked Concentration
PCB 107/124

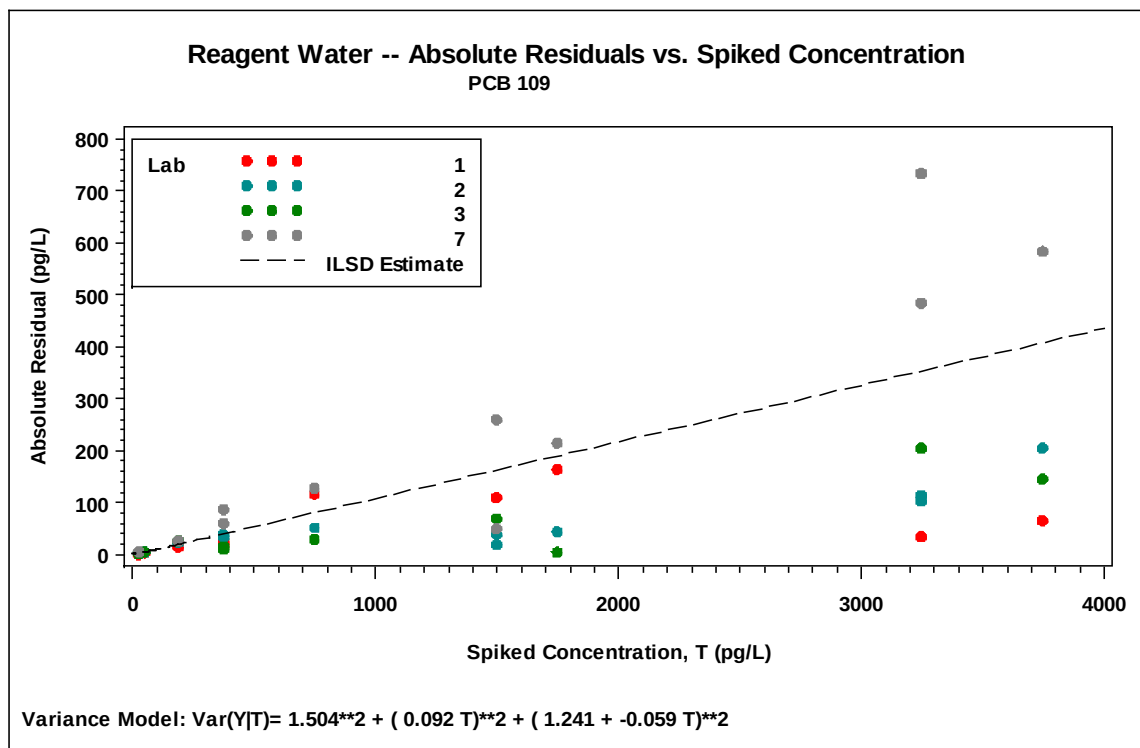
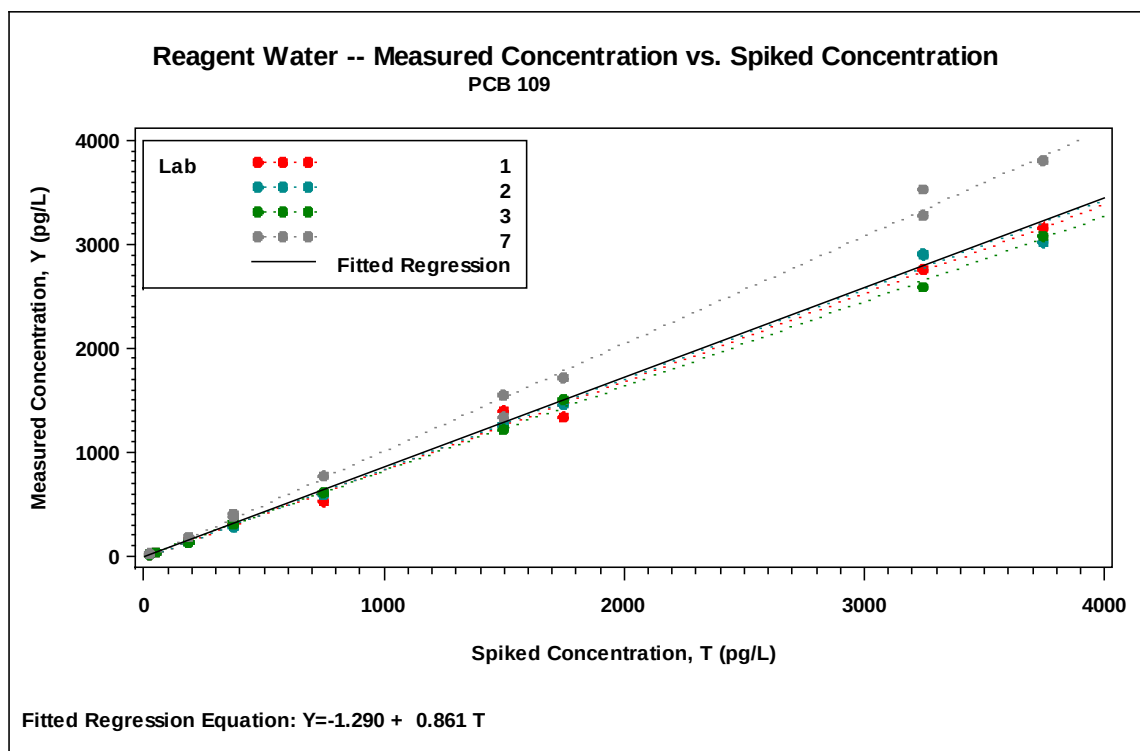


Reagent Water -- Absolute Residuals vs. Spiked Concentration
PCB 107/124

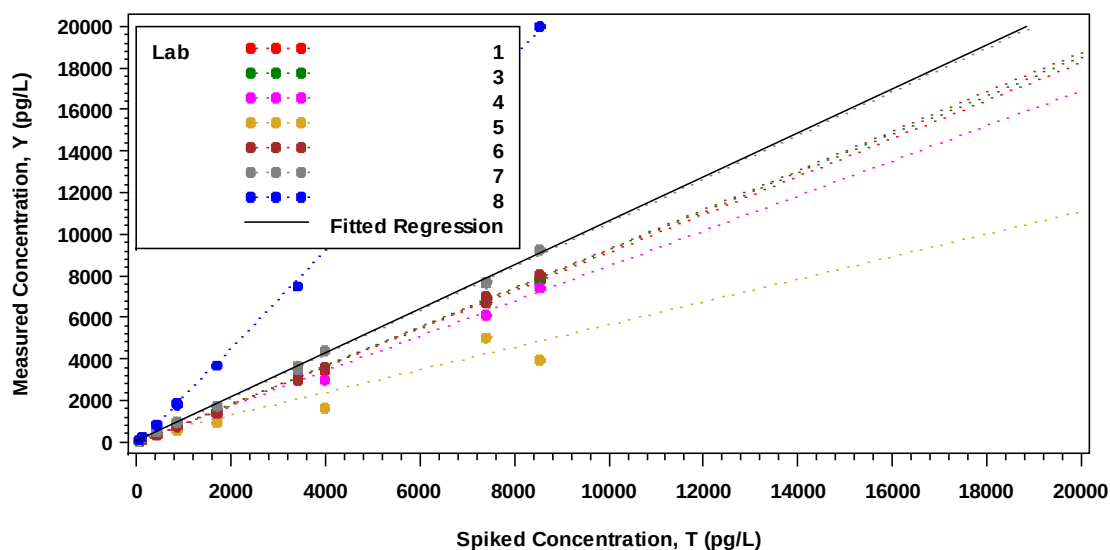


Variance Model: $\text{Var}(Y|T) = 4.369^{**2} + (0.080 T)^{**2} + (-1.479 + 0.065 T)^{**2}$

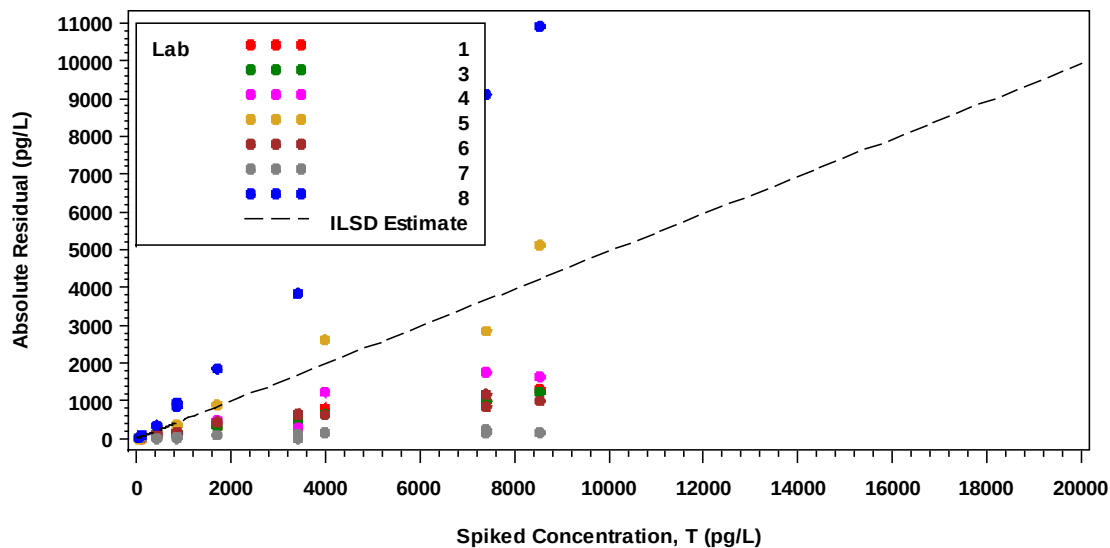




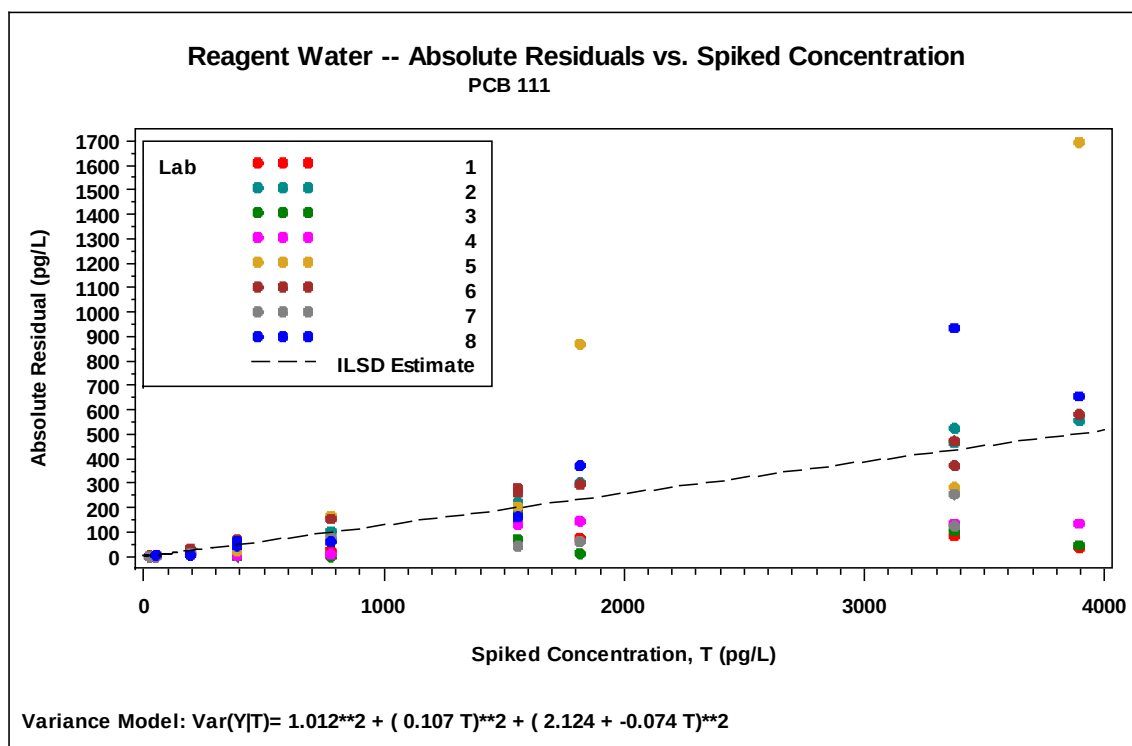
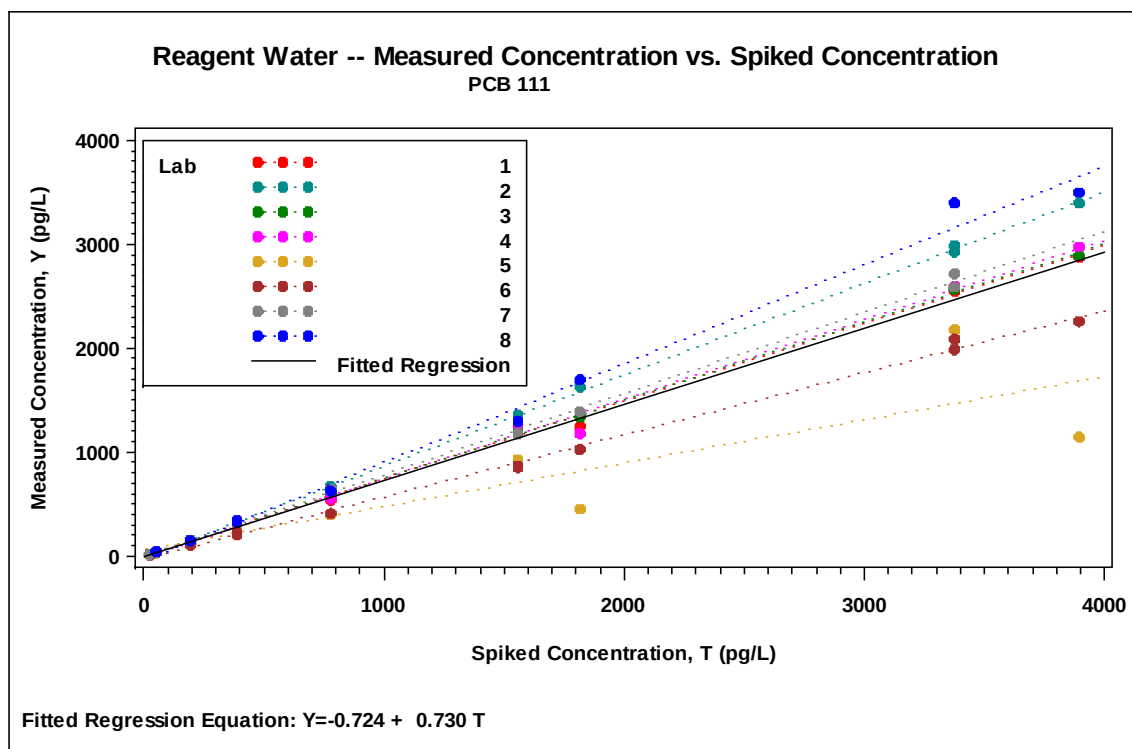
Reagent Water -- Measured Concentration vs. Spiked Concentration
PCB 110/115

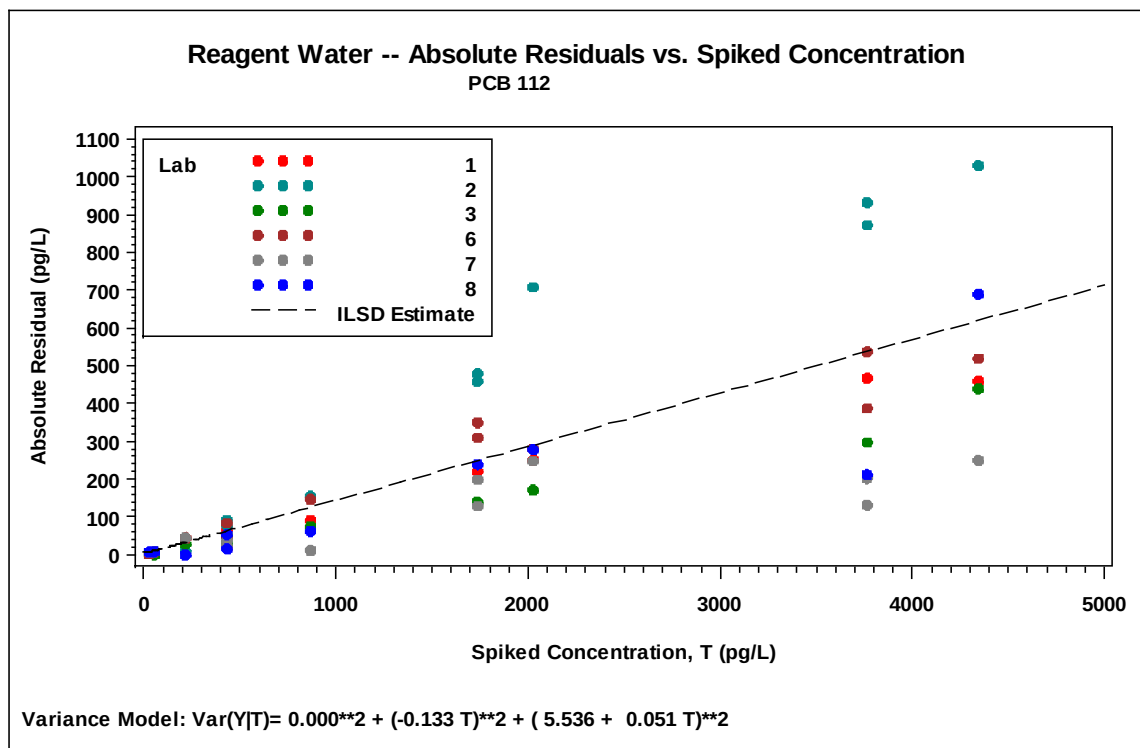
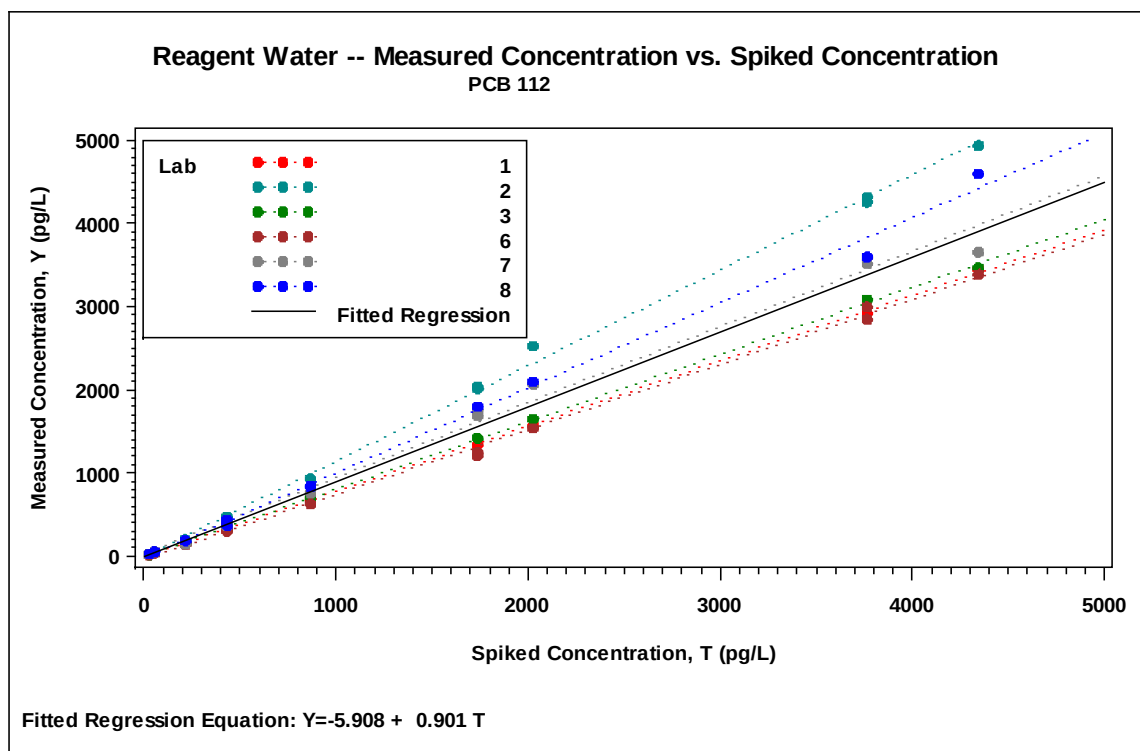


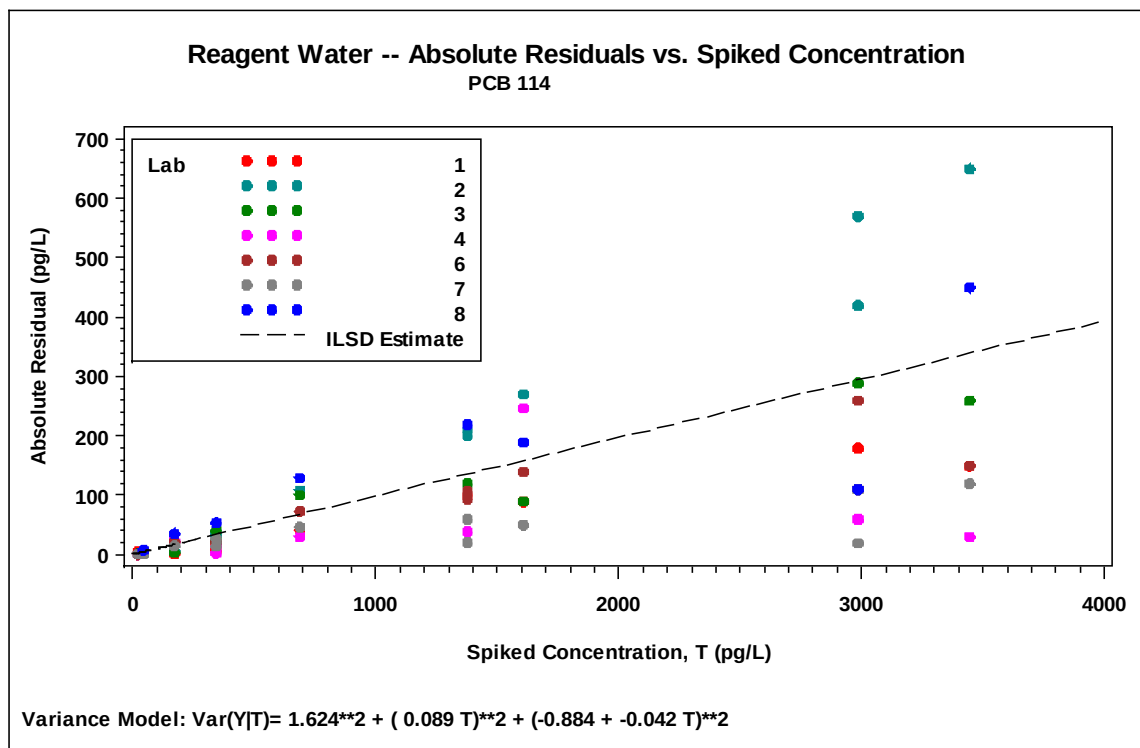
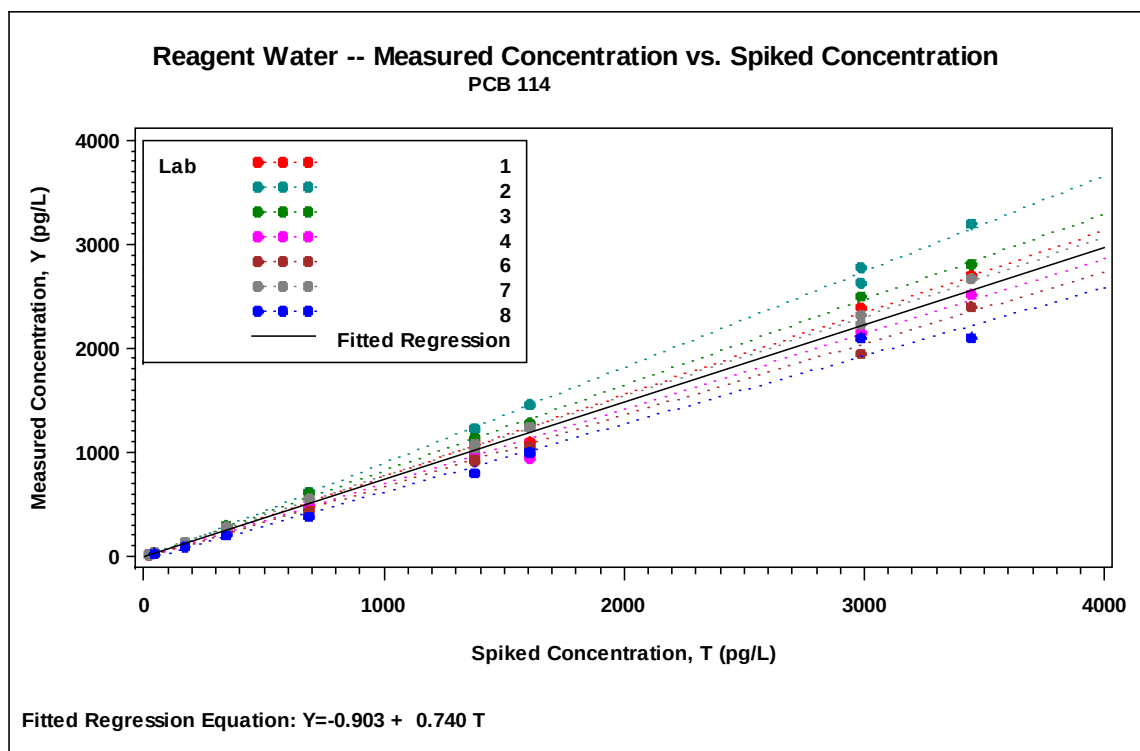
Reagent Water -- Absolute Residuals vs. Spiked Concentration
PCB 110/115



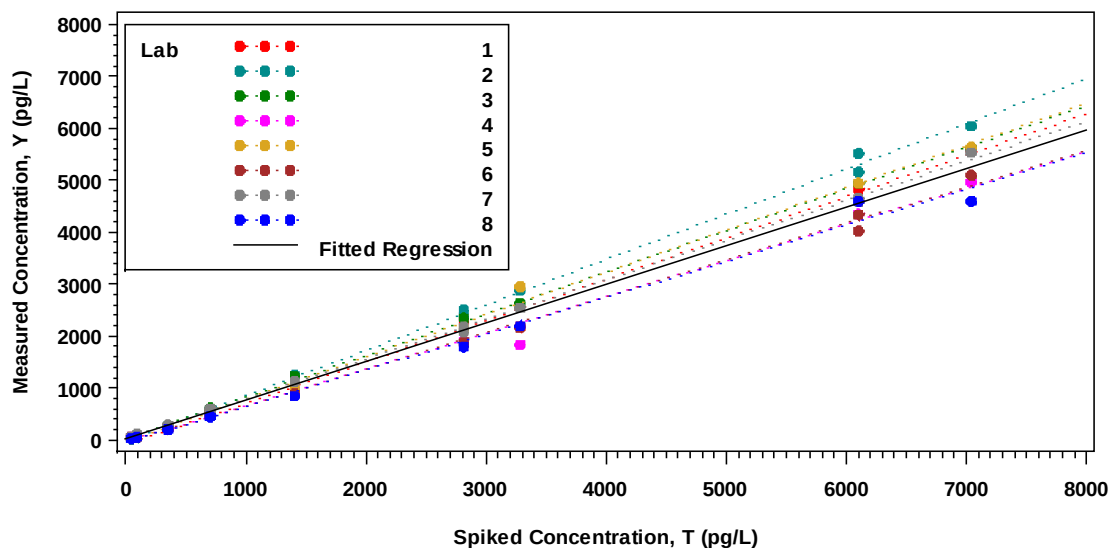
Variance Model: $\text{Var}(Y|T) = 33.856^{**2} + (0.485 T)^{**2} + (-2.866 + -0.102 T)^{**2}$





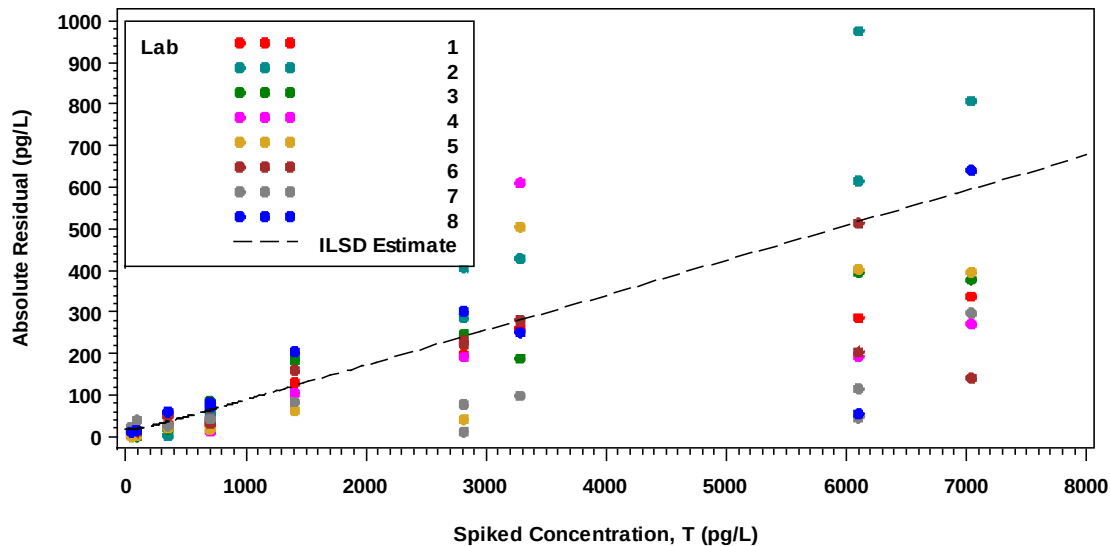


Reagent Water -- Measured Concentration vs. Spiked Concentration
PCB 118

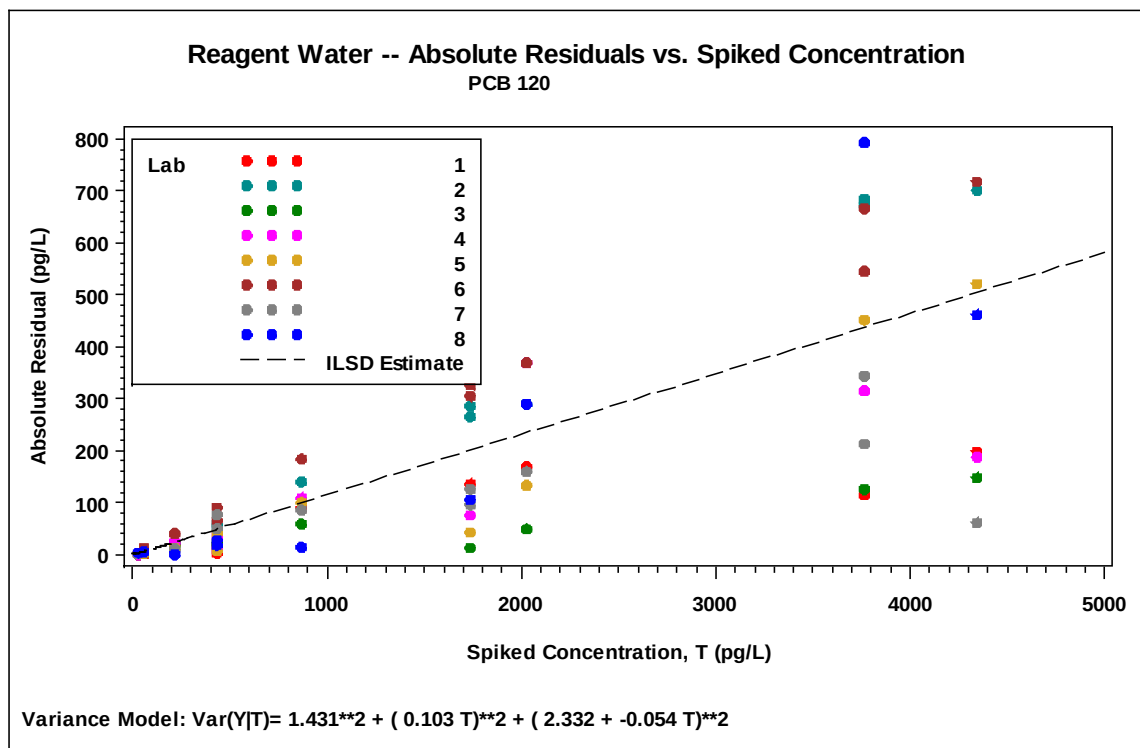
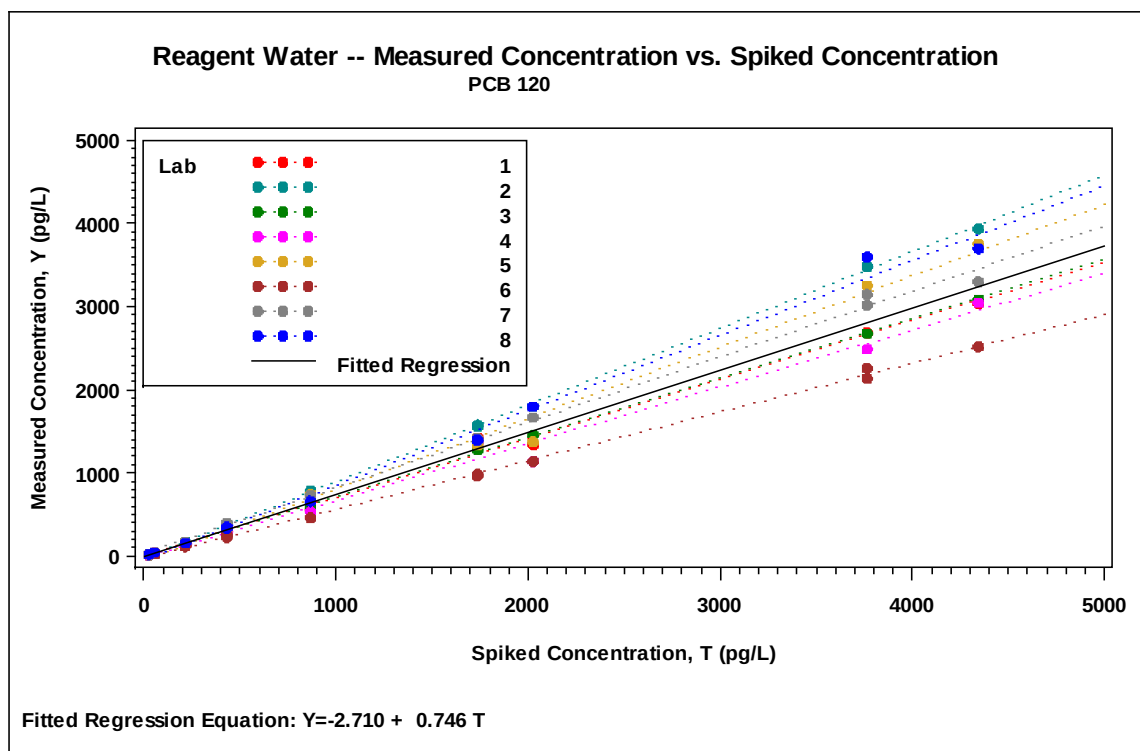


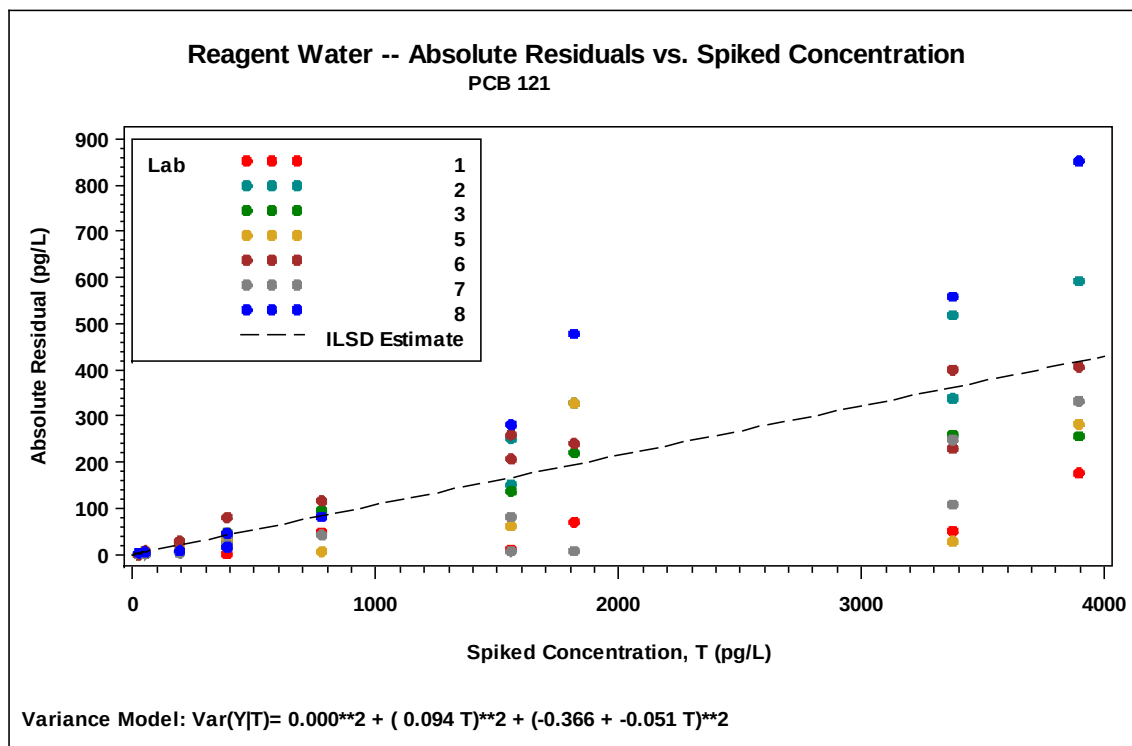
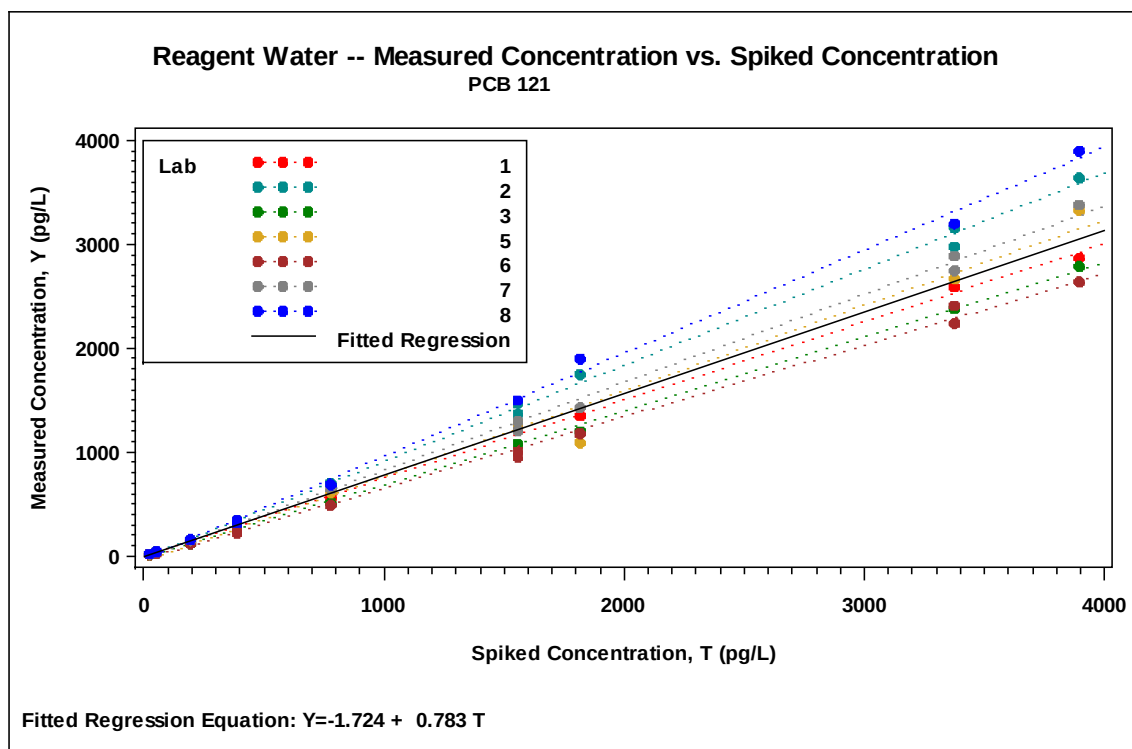
Fitted Regression Equation: $Y = 9.326 + 0.743 T$

Reagent Water -- Absolute Residuals vs. Spiked Concentration
PCB 118

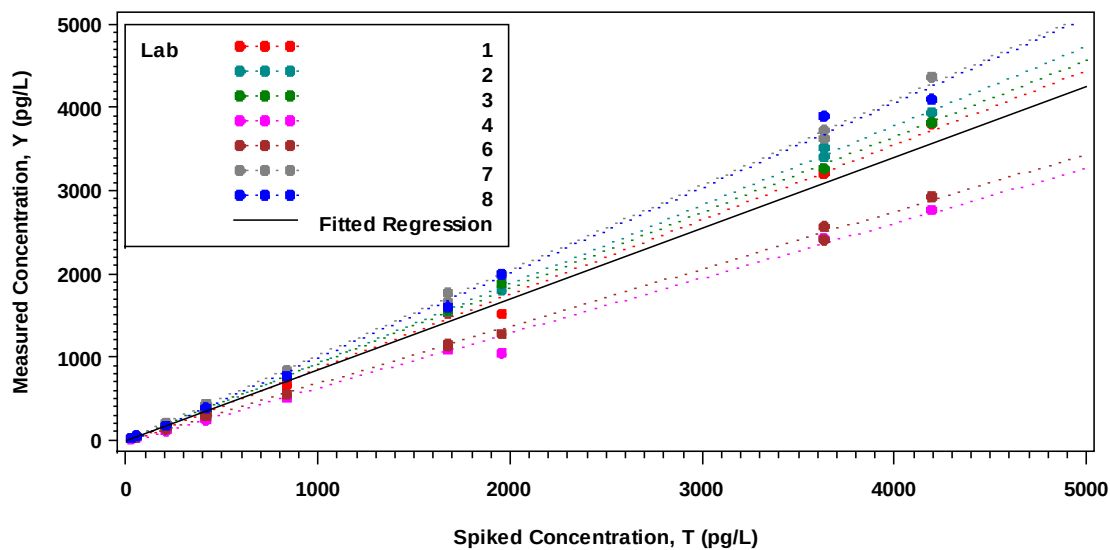


Variance Model: $\text{Var}(Y|T) = 14.750^{**2} + (-0.071 T)^{**2} + (-6.250 + -0.045 T)^{**2}$



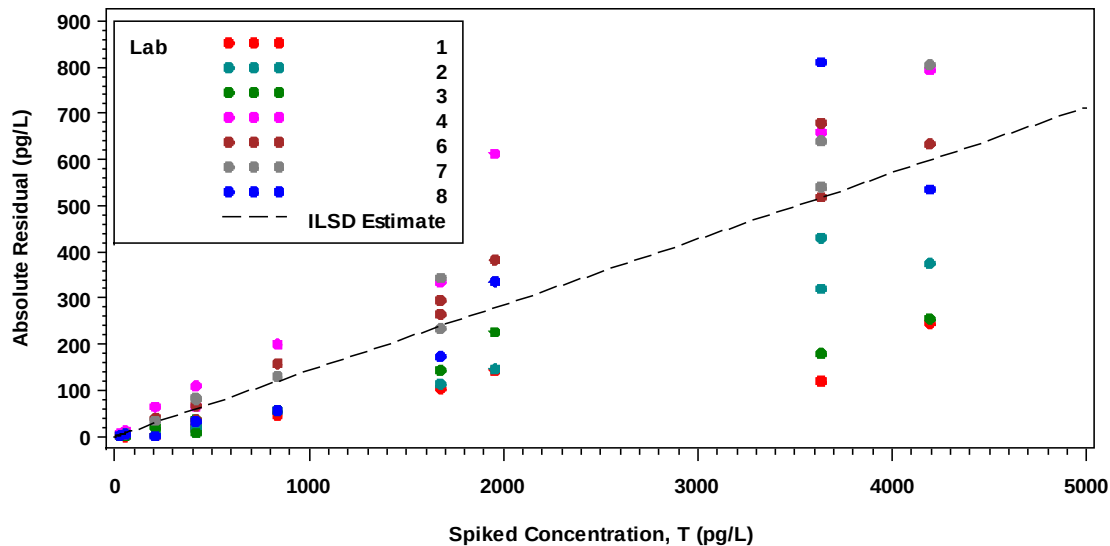


Reagent Water -- Measured Concentration vs. Spiked Concentration
PCB 122

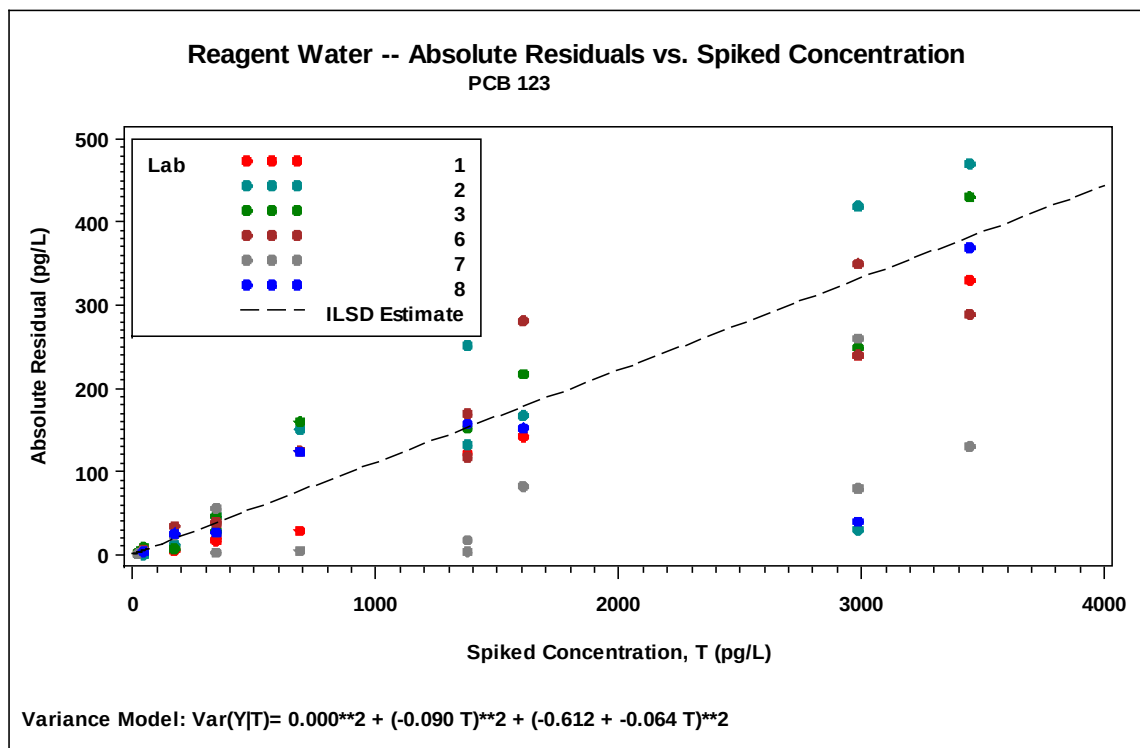
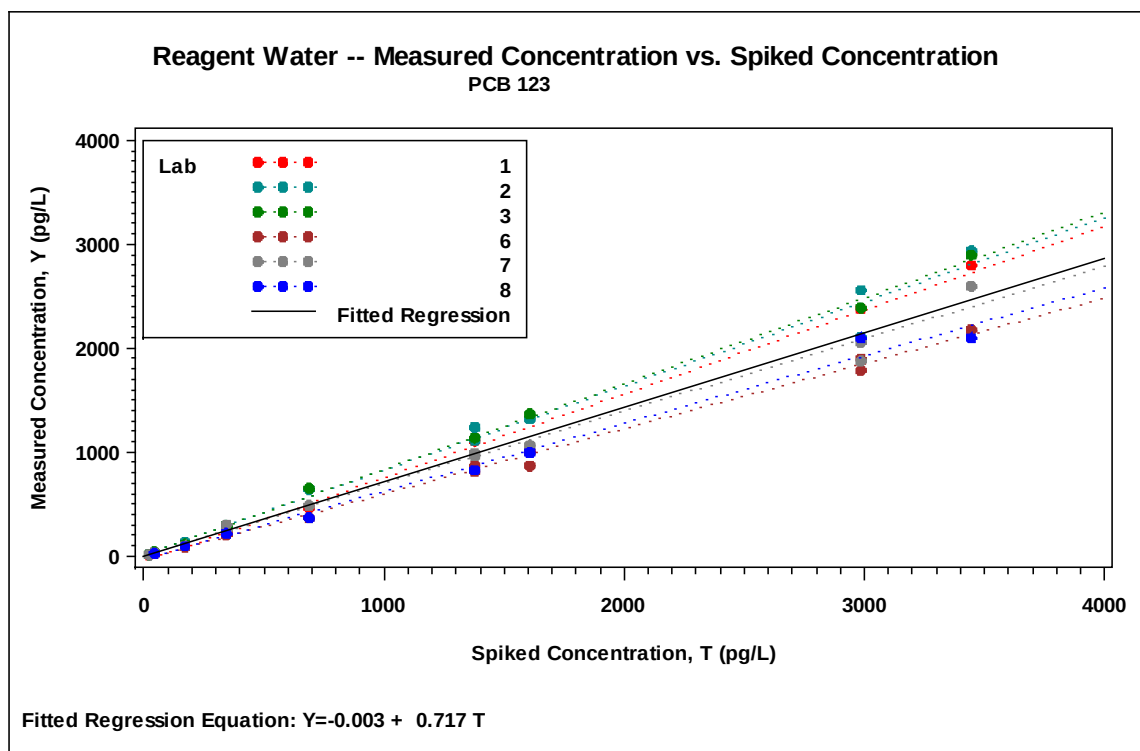


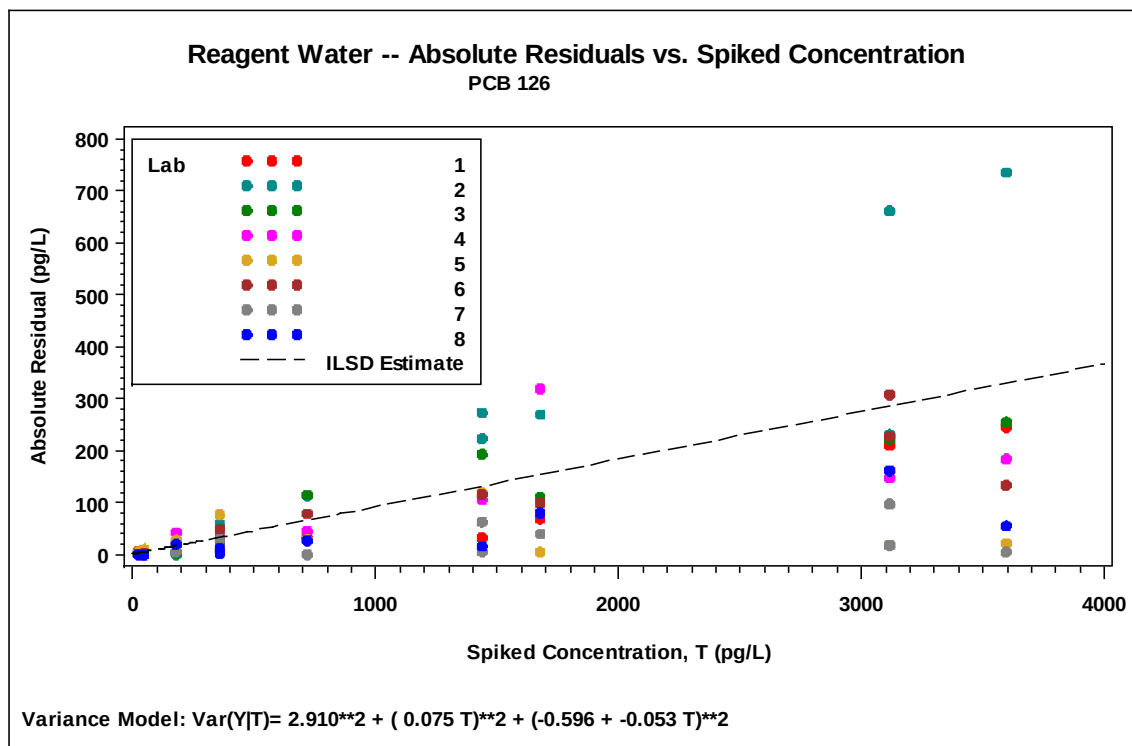
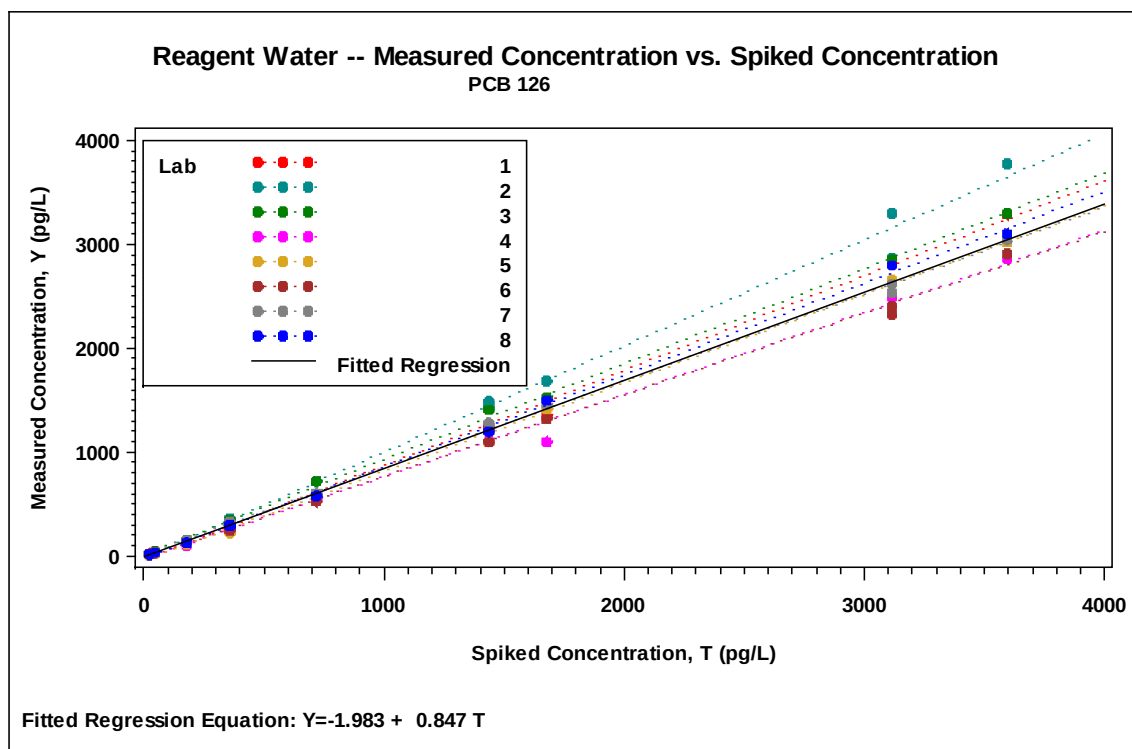
Fitted Regression Equation: $Y = -0.113 + 0.849 T$

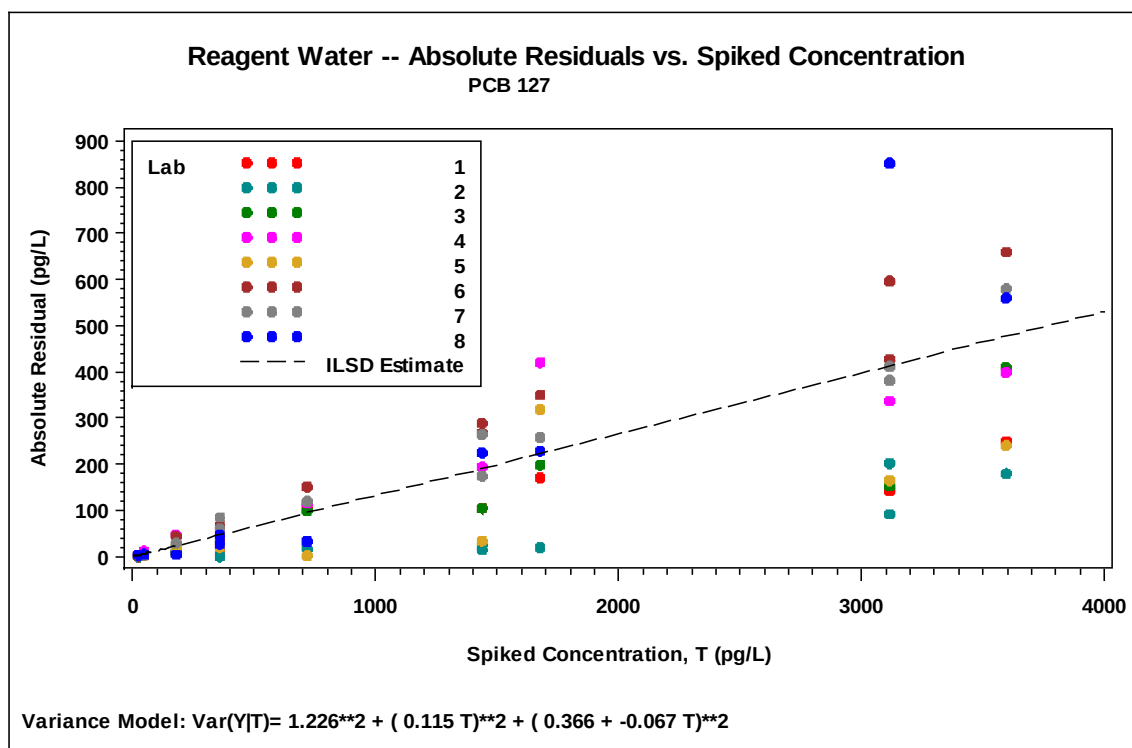
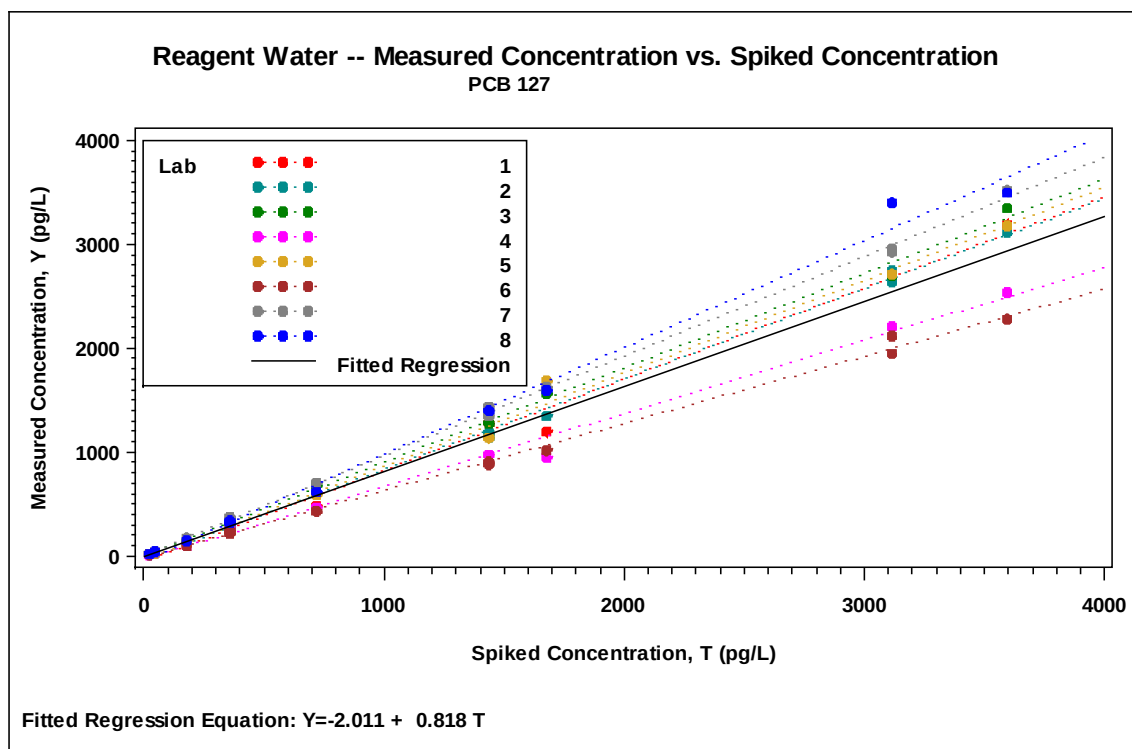
Reagent Water -- Absolute Residuals vs. Spiked Concentration
PCB 122



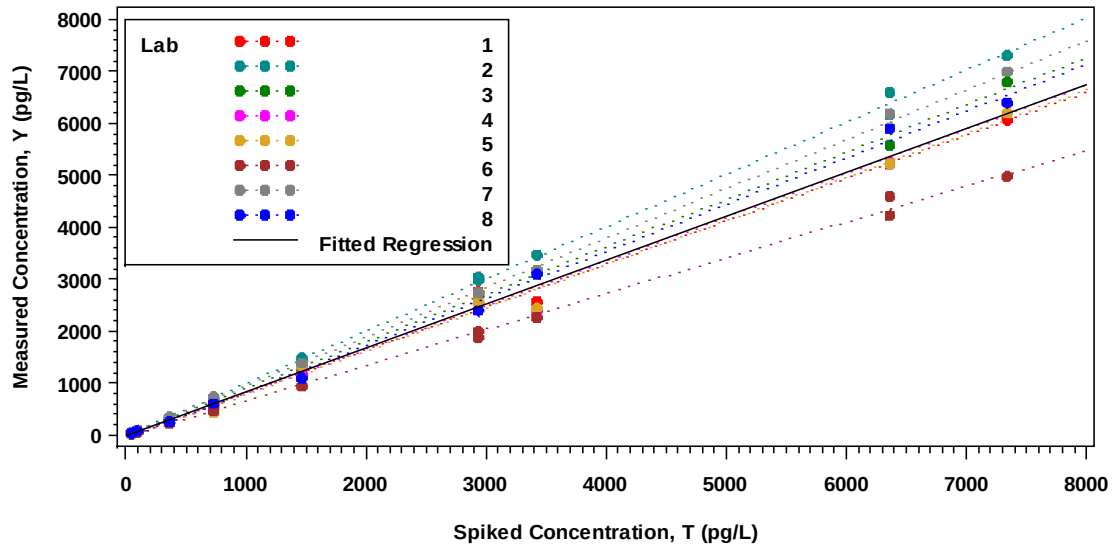
Variance Model: $\text{Var}(Y|T) = 0.000T^2 + (0.135 T)^2 + (-0.500 + -0.047 T)^2$





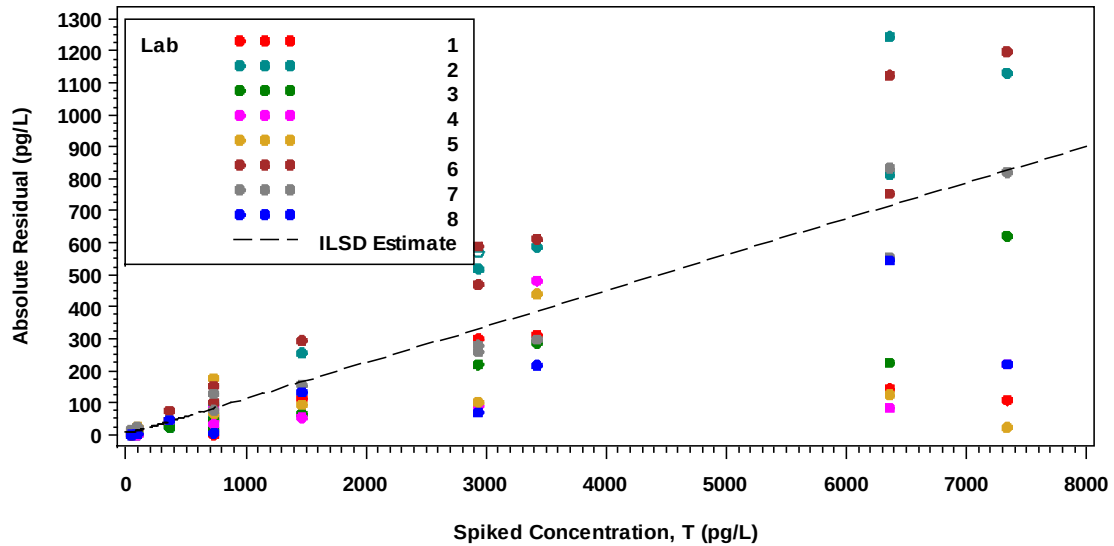


Reagent Water -- Measured Concentration vs. Spiked Concentration
PCB 128/166

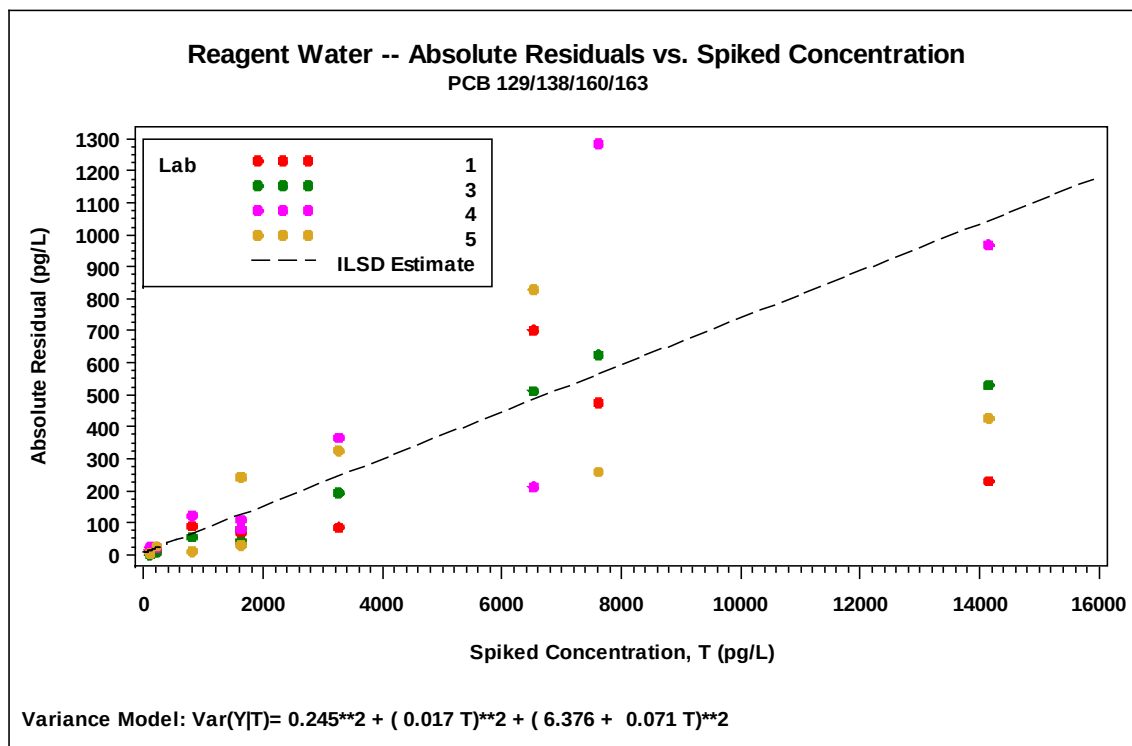
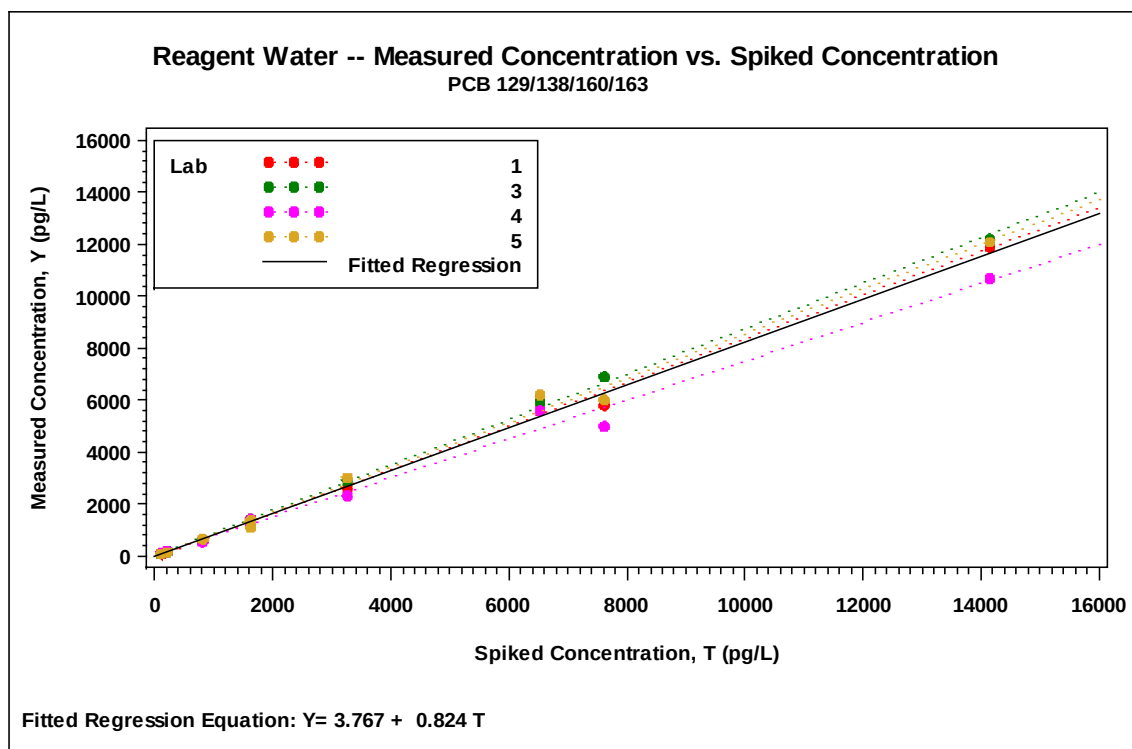


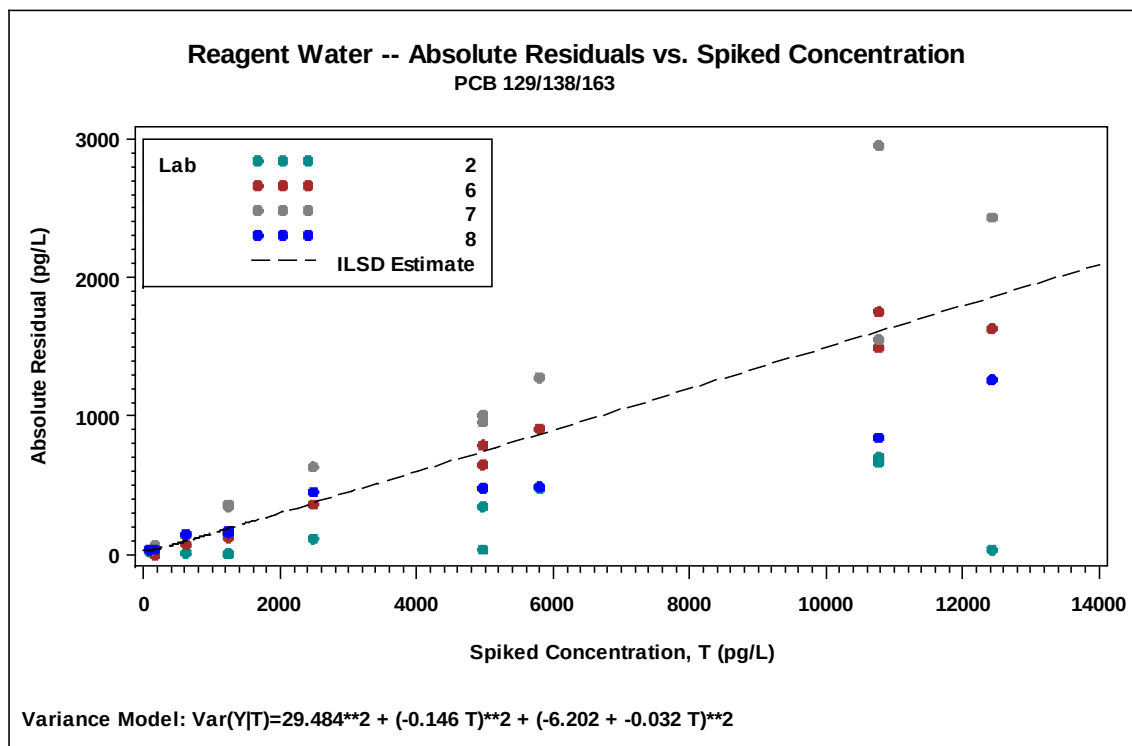
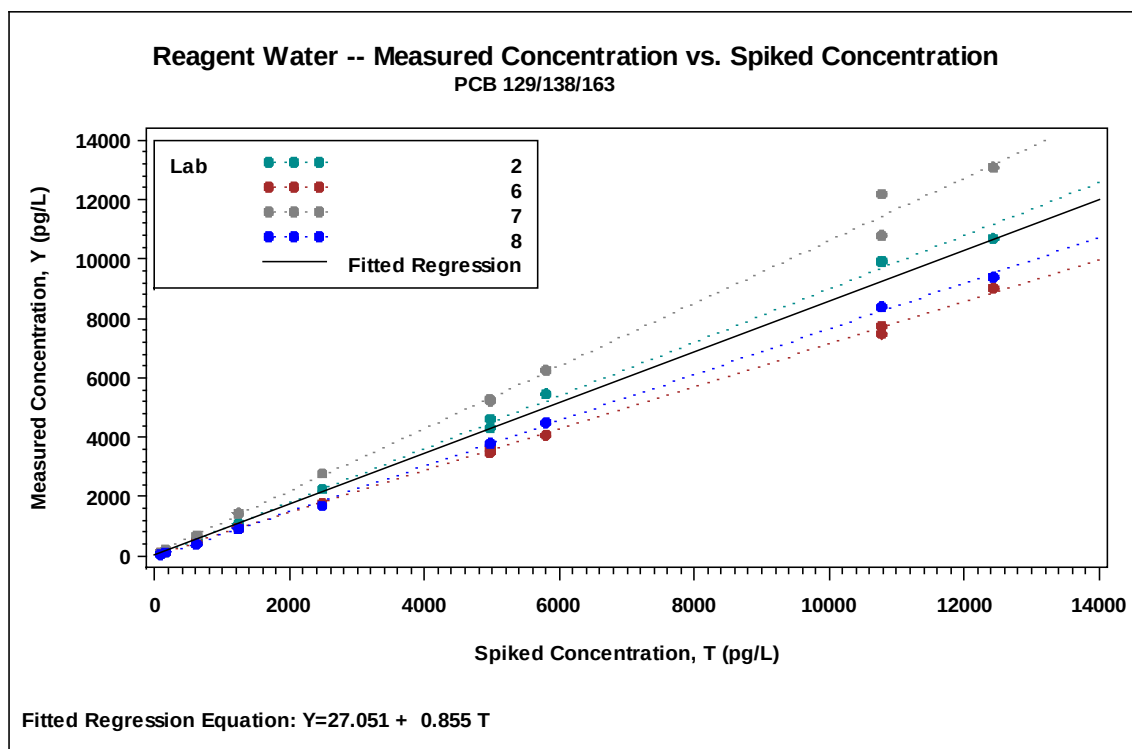
Fitted Regression Equation: $Y = -2.258 + 0.842 T$

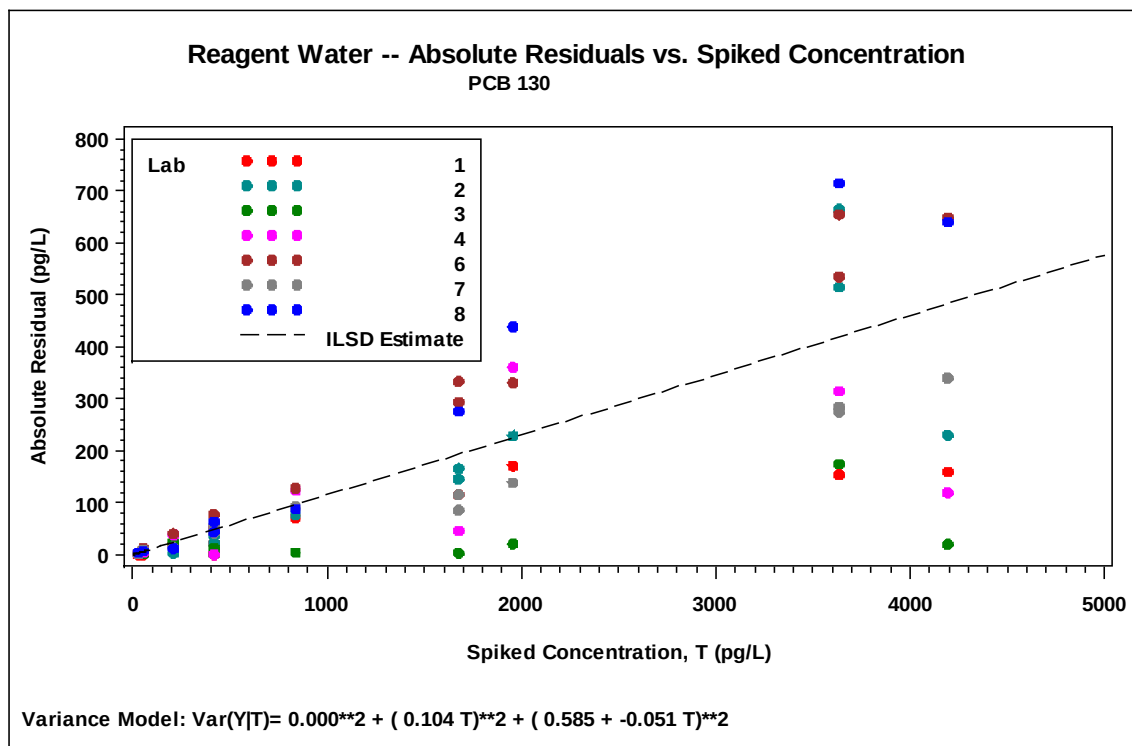
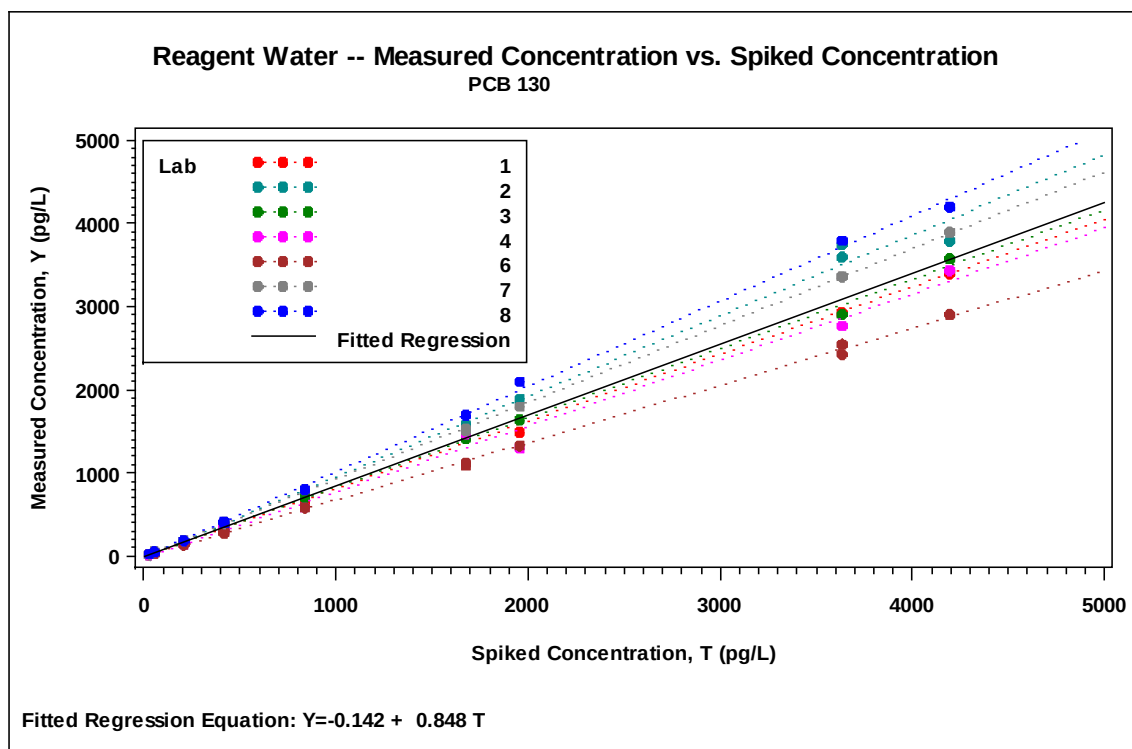
Reagent Water -- Absolute Residuals vs. Spiked Concentration
PCB 128/166

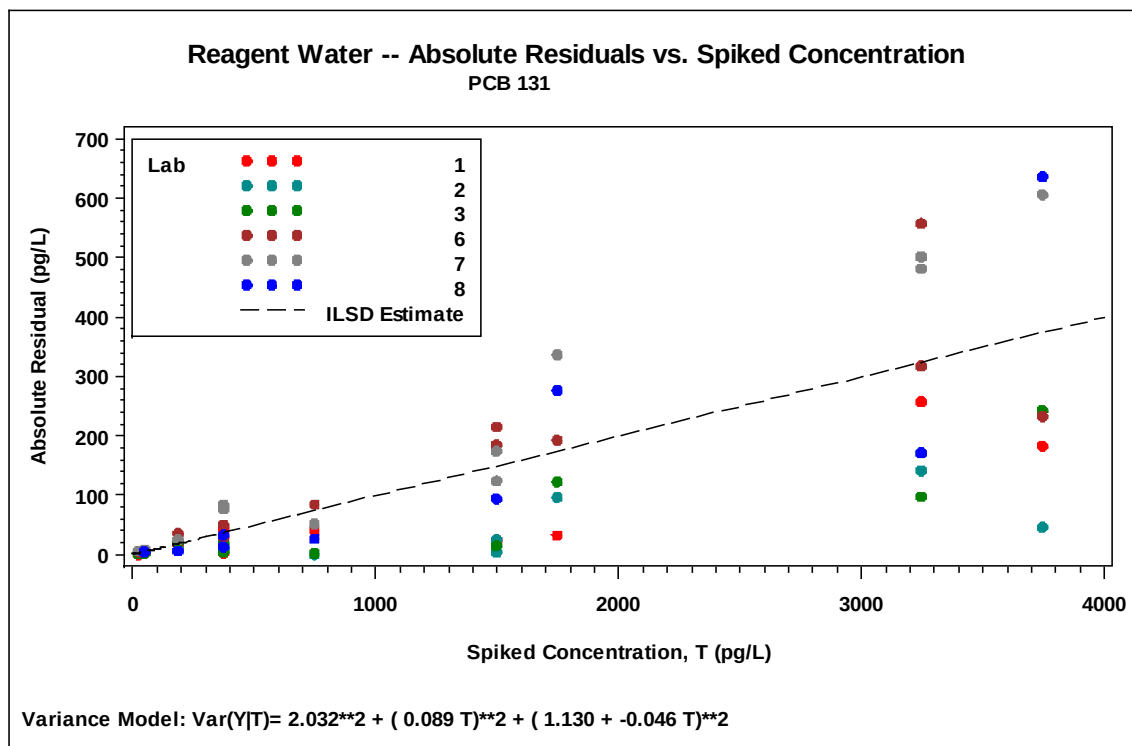
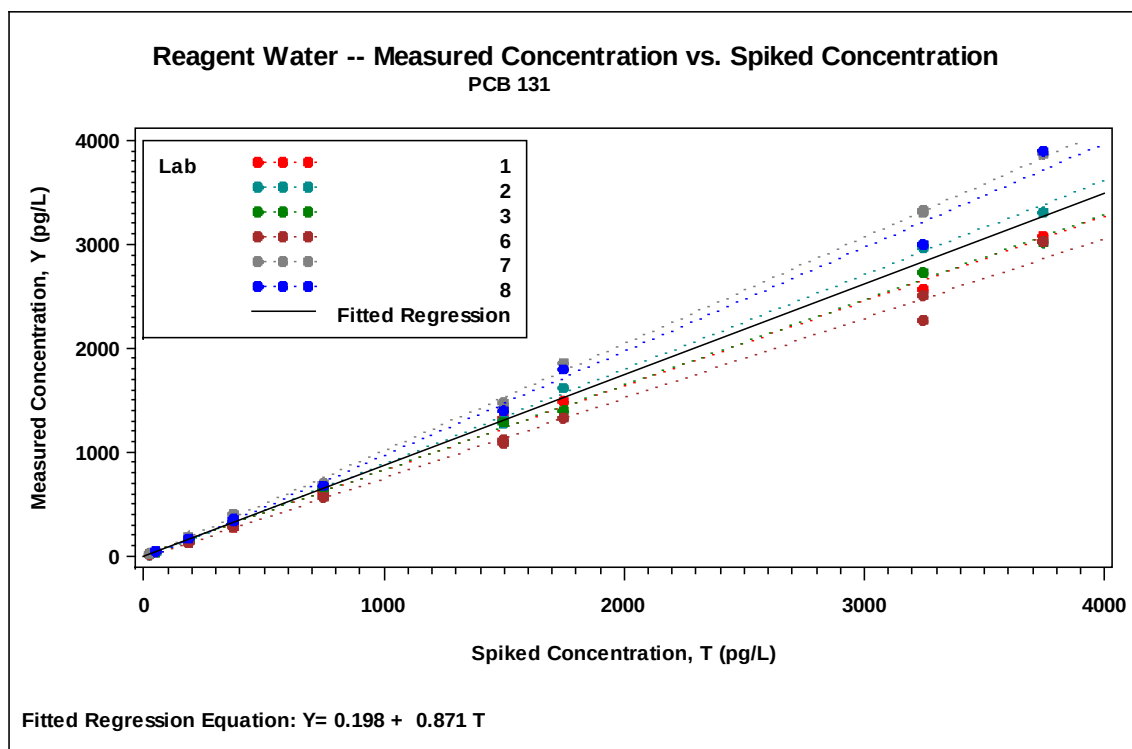


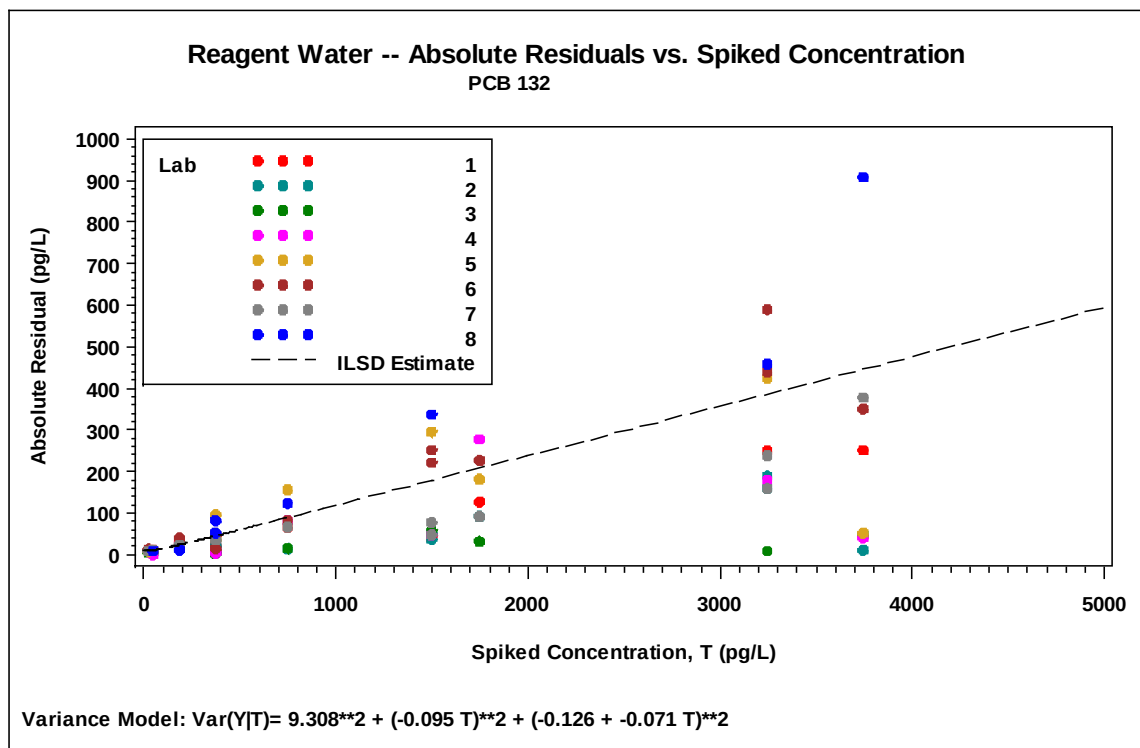
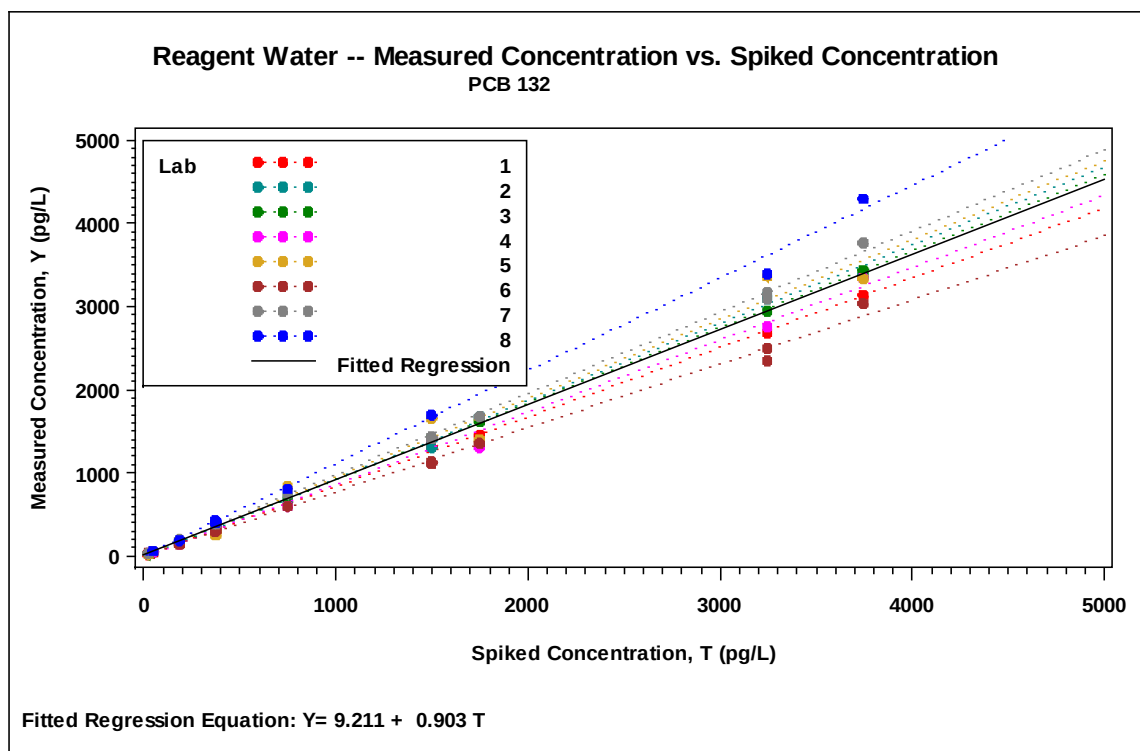
Variance Model: $\text{Var}(Y|T) = 6.613^{**2} + (0.095 T)^{**2} + (0.081 + 0.060 T)^{**2}$

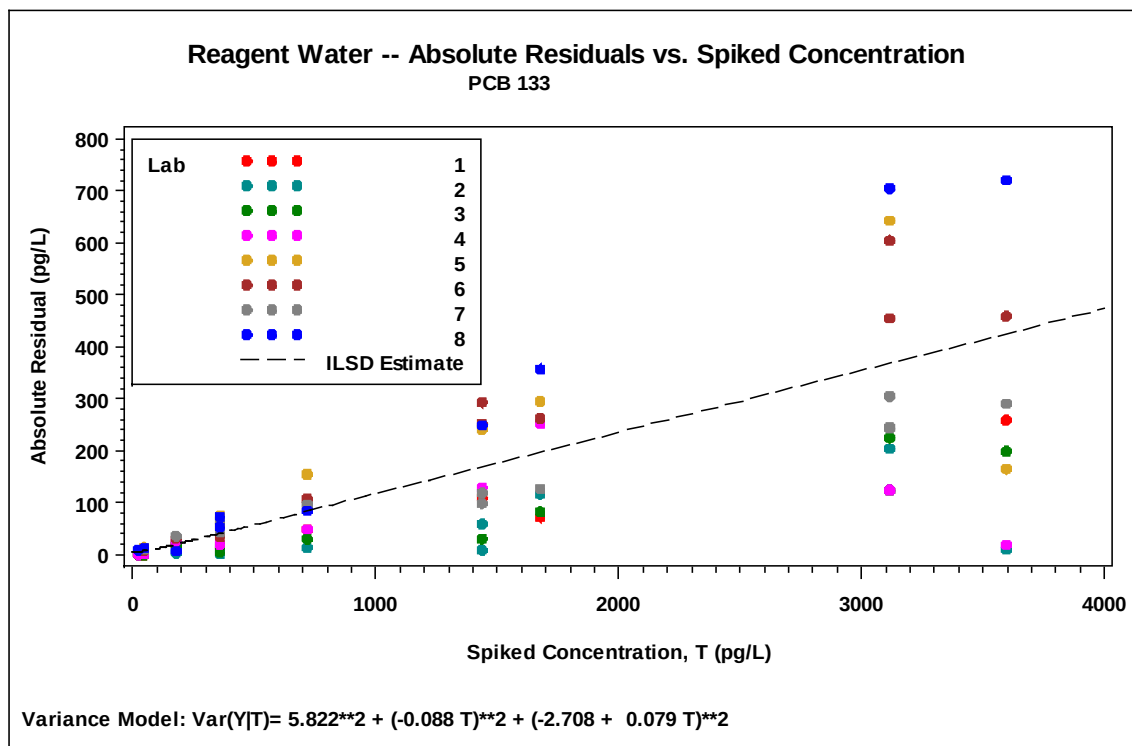
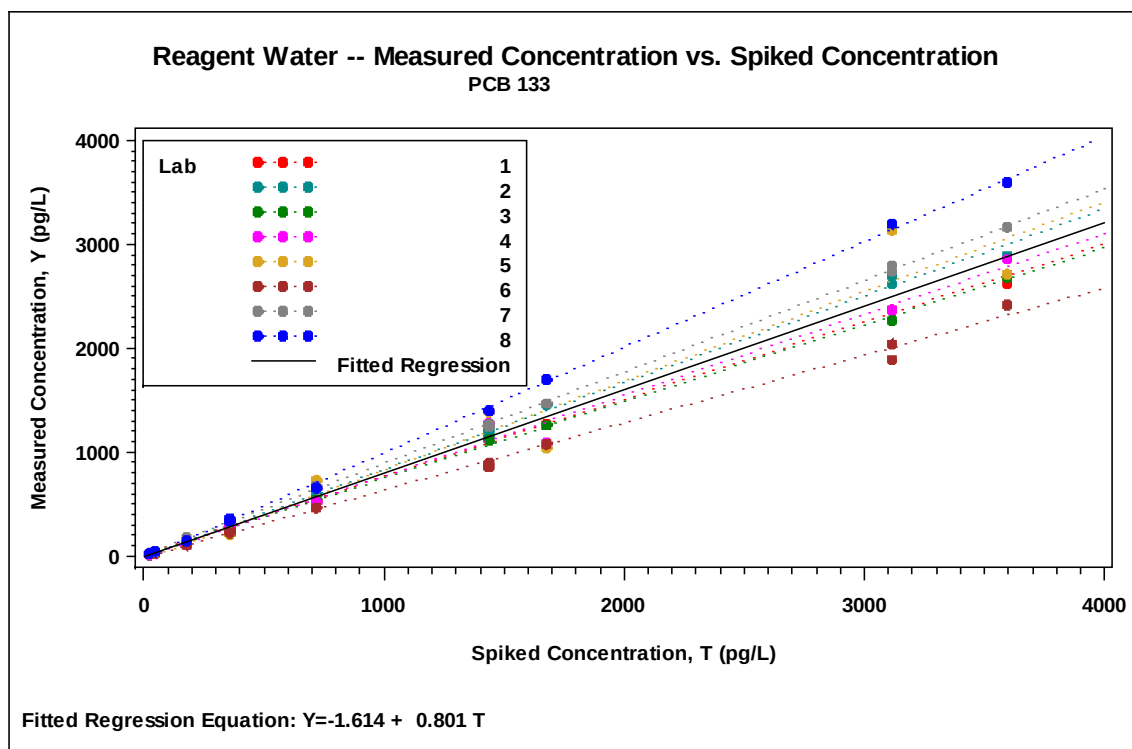




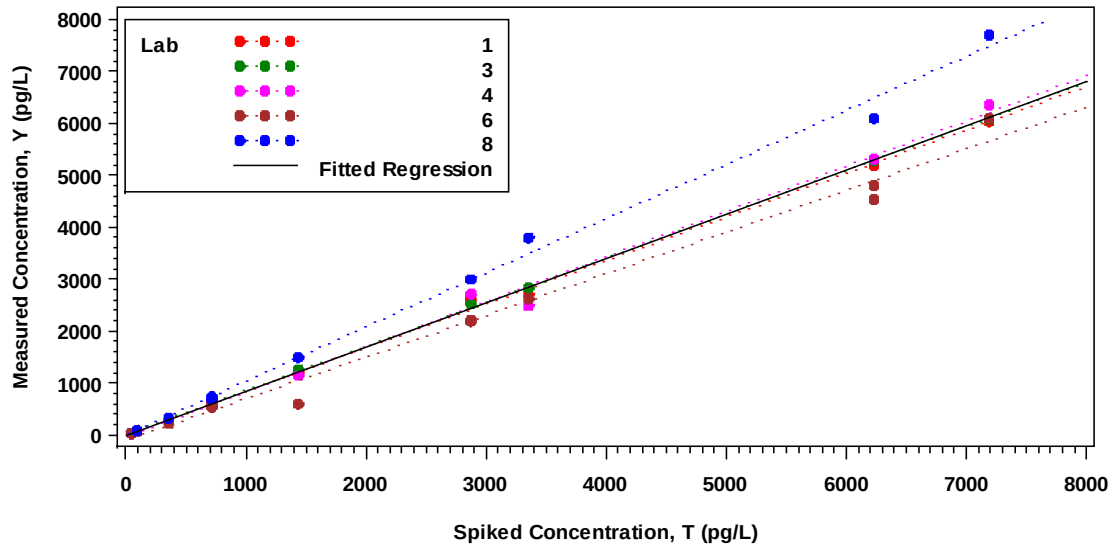




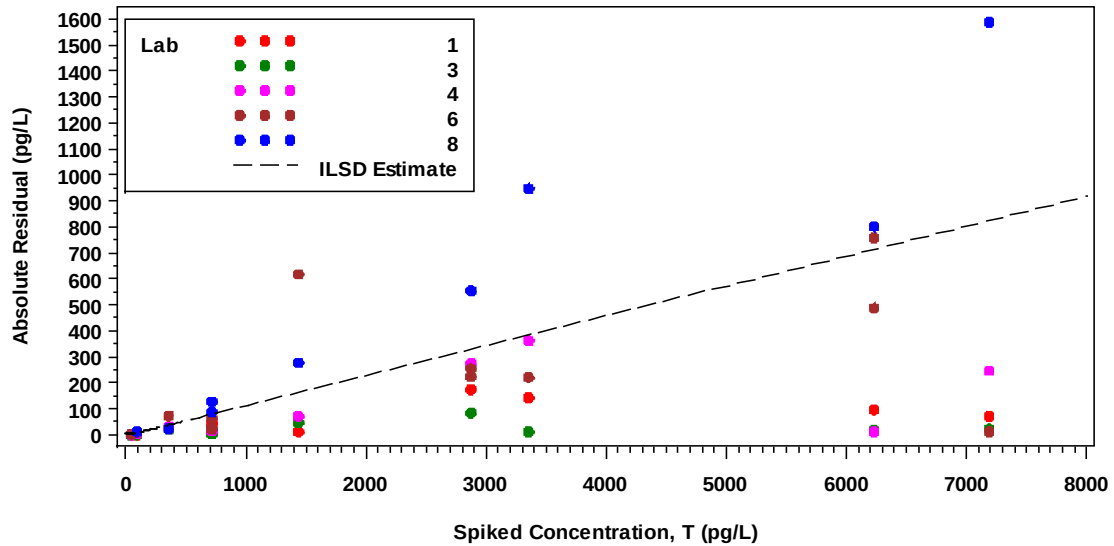


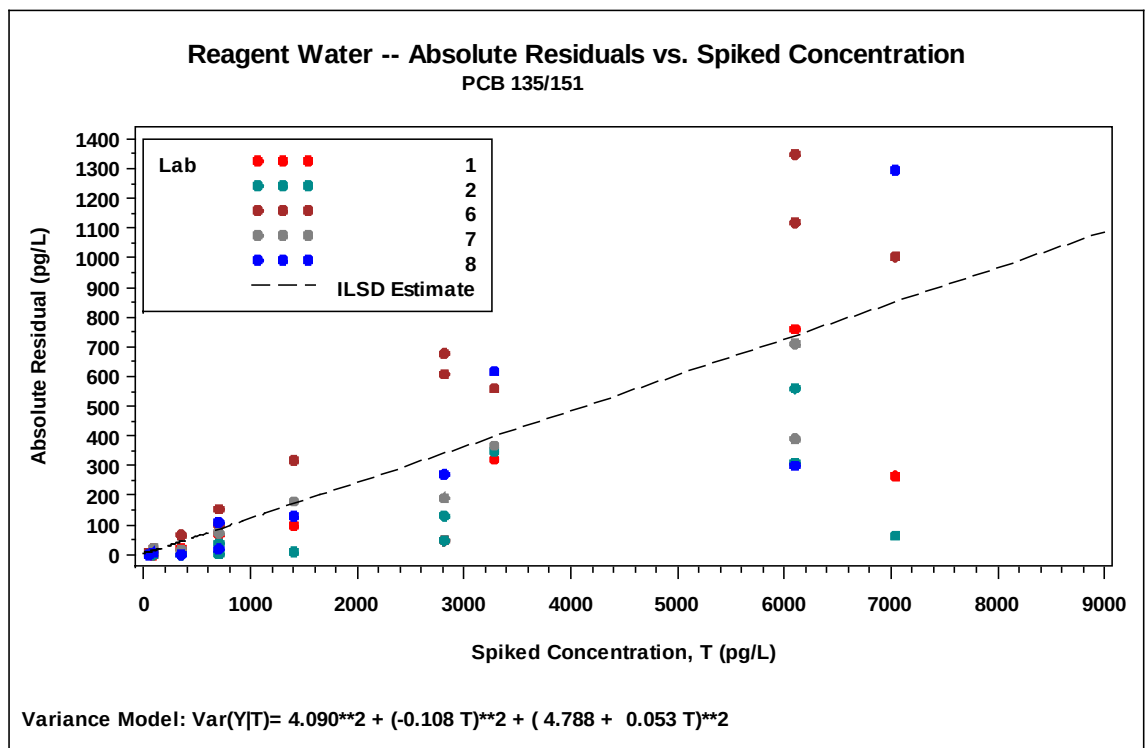
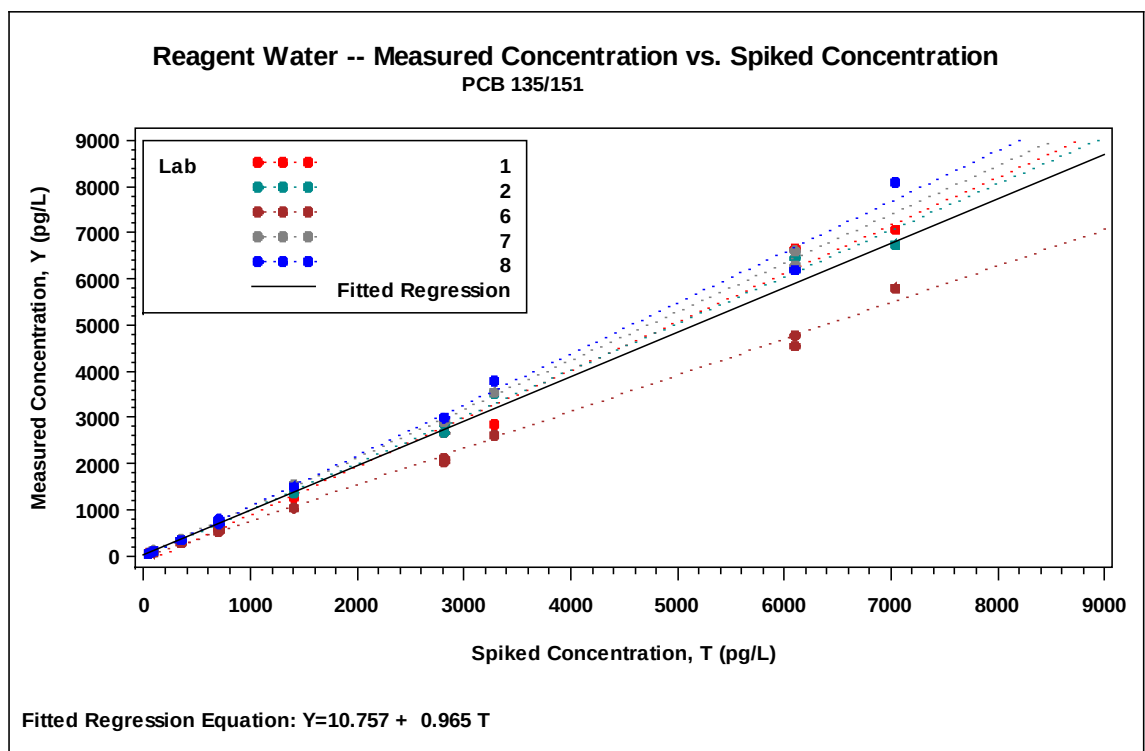


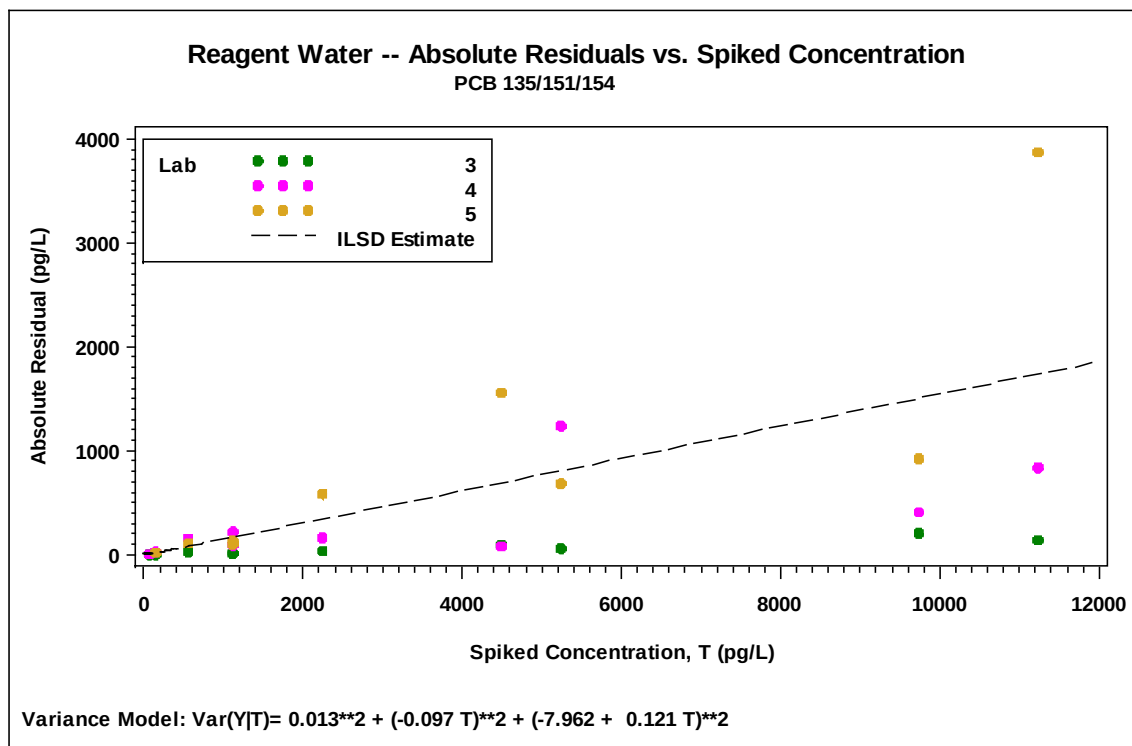
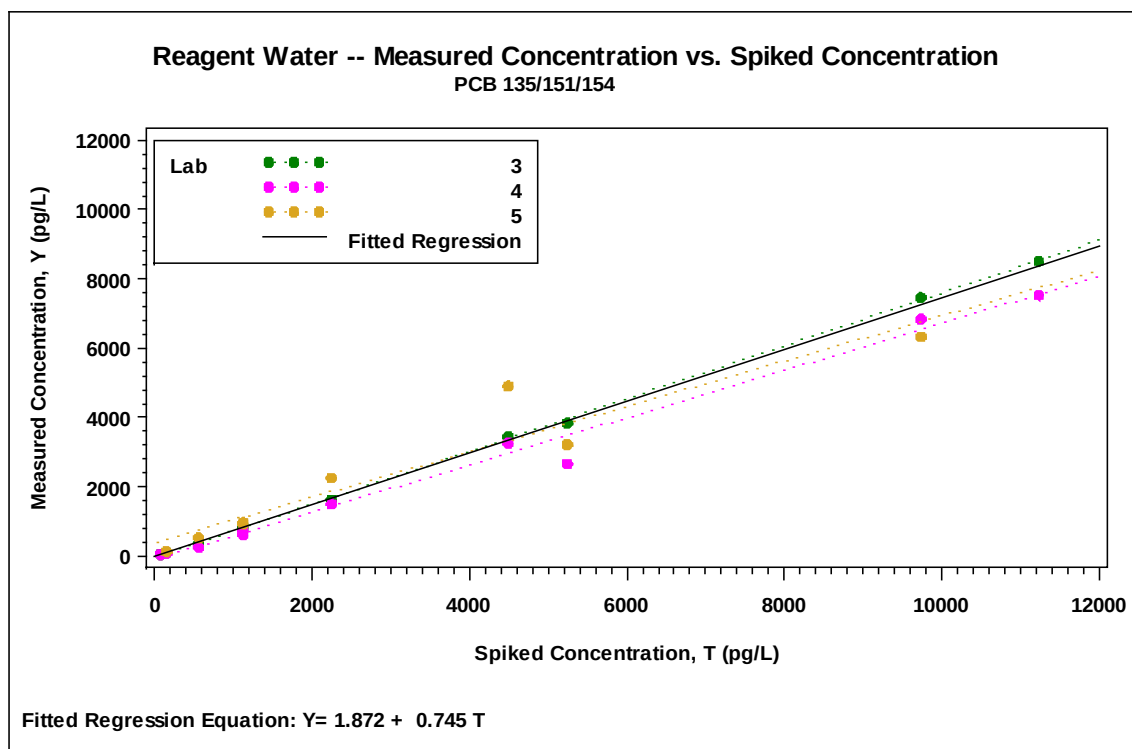
Reagent Water -- Measured Concentration vs. Spiked Concentration
PCB 134/143

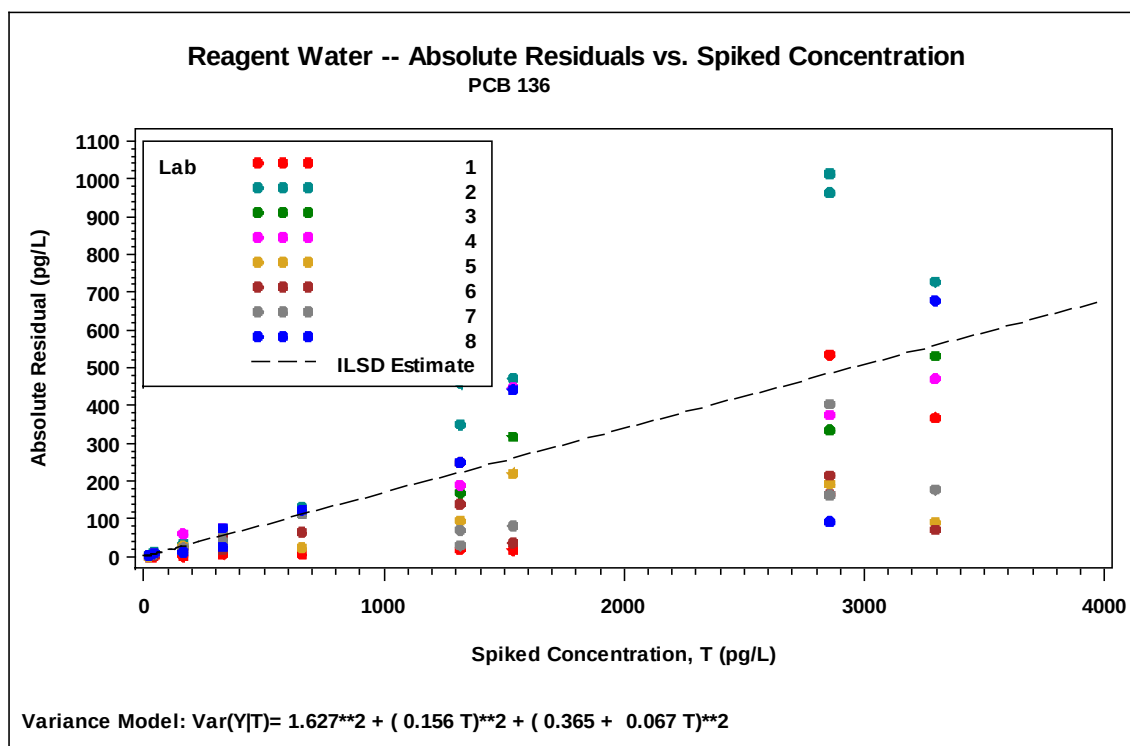
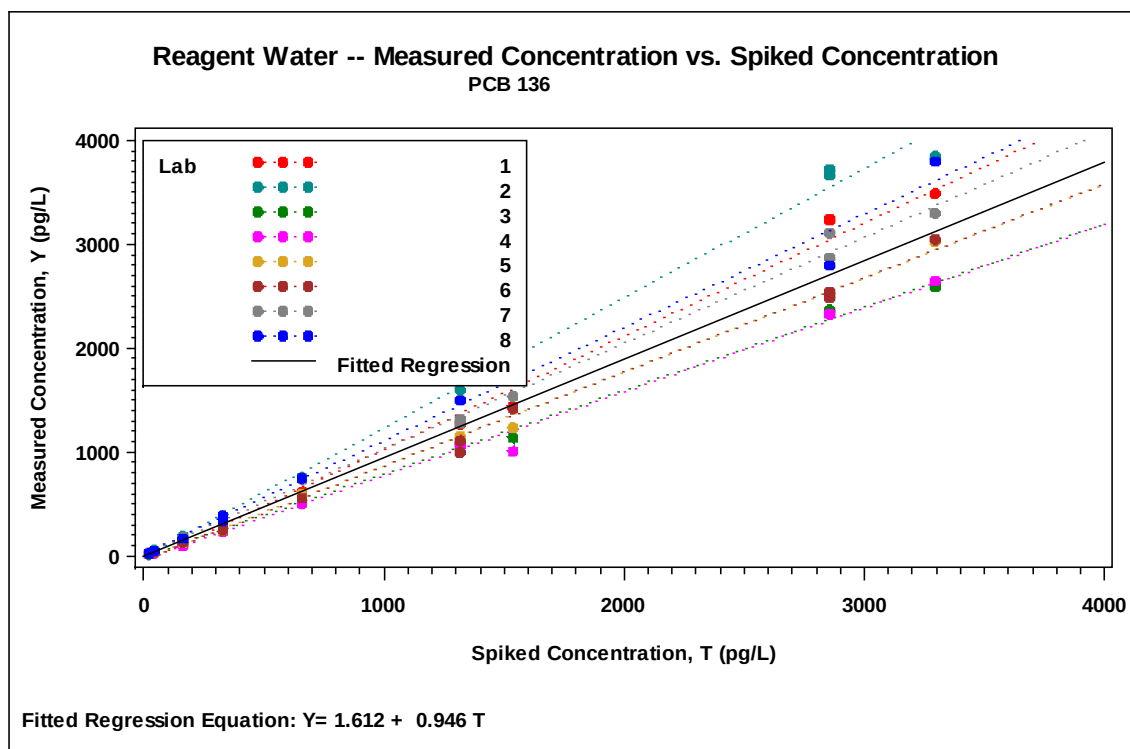


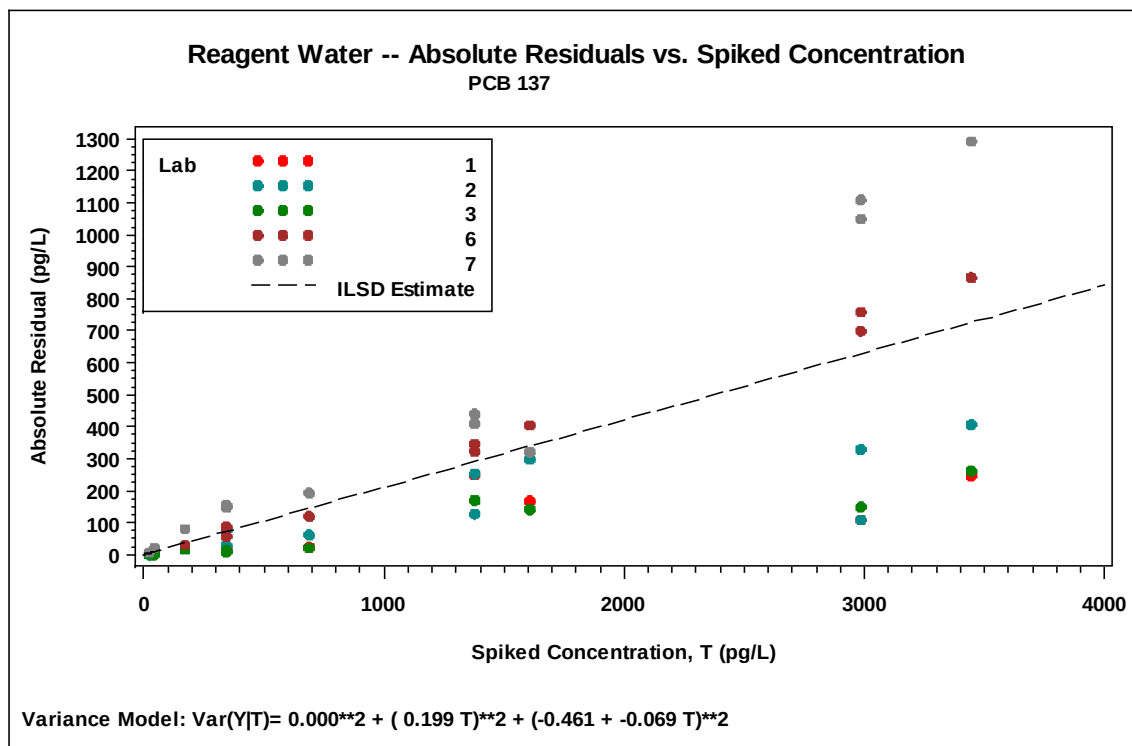
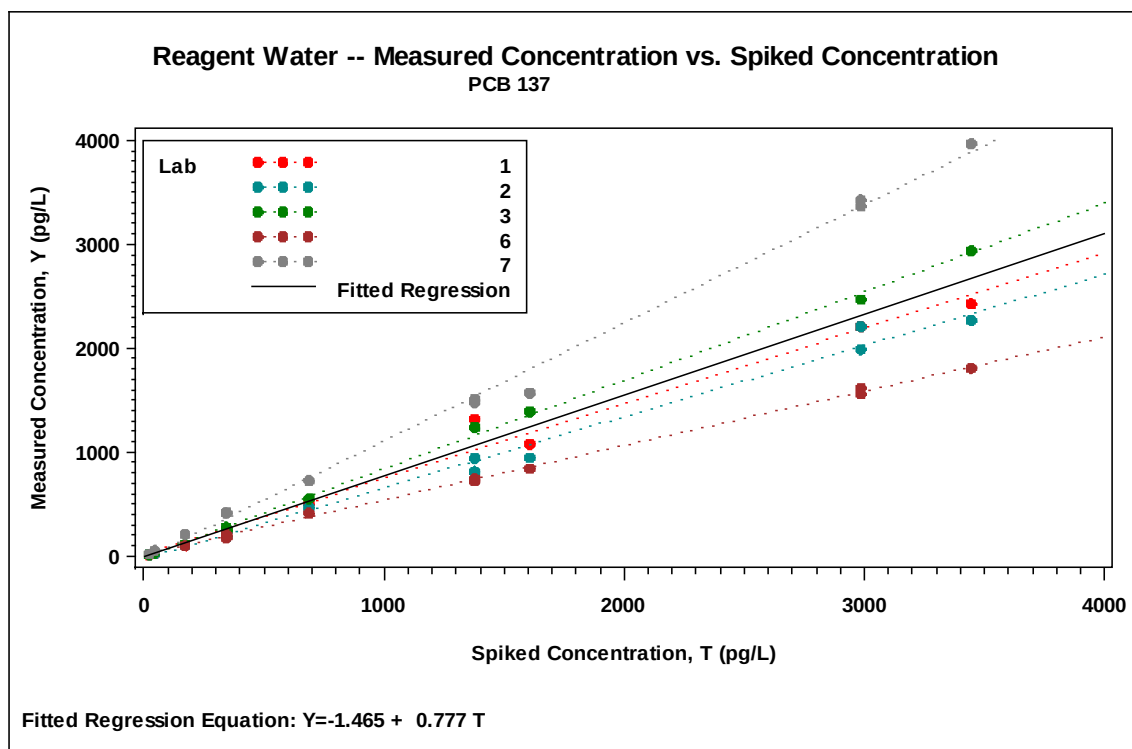
Reagent Water -- Absolute Residuals vs. Spiked Concentration
PCB 134/143



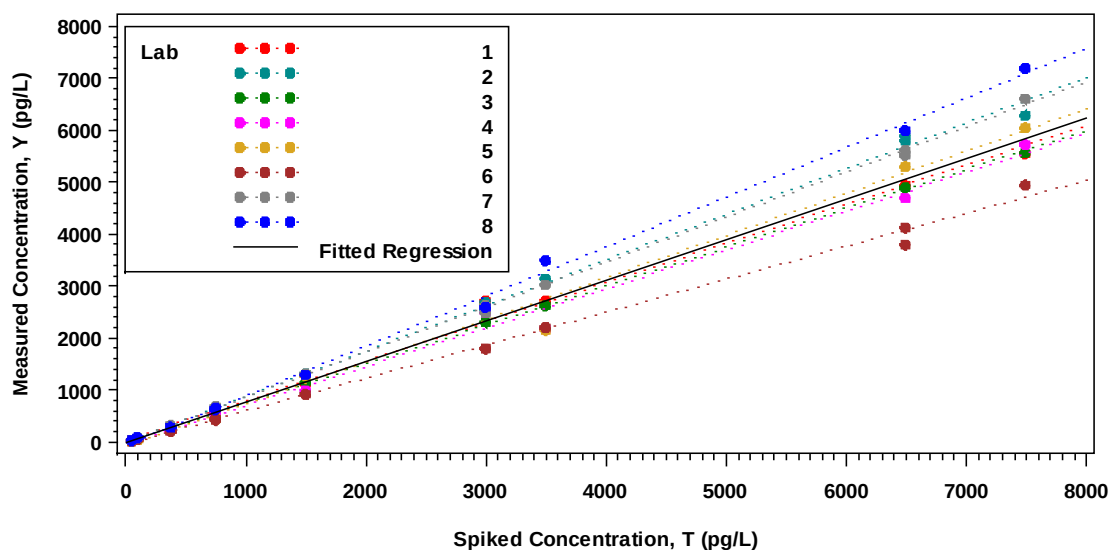






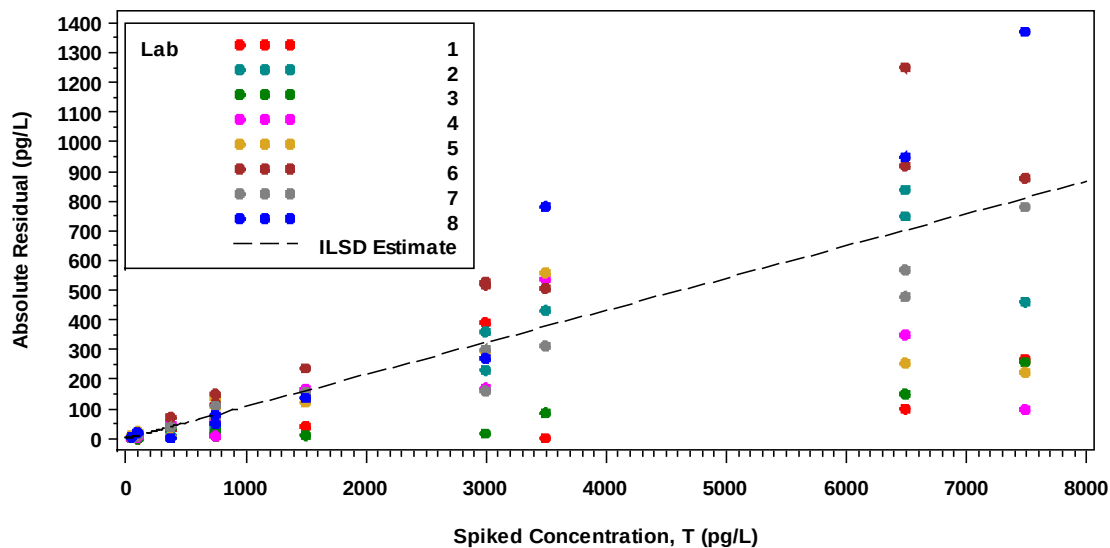


Reagent Water -- Measured Concentration vs. Spiked Concentration
PCB 139/140

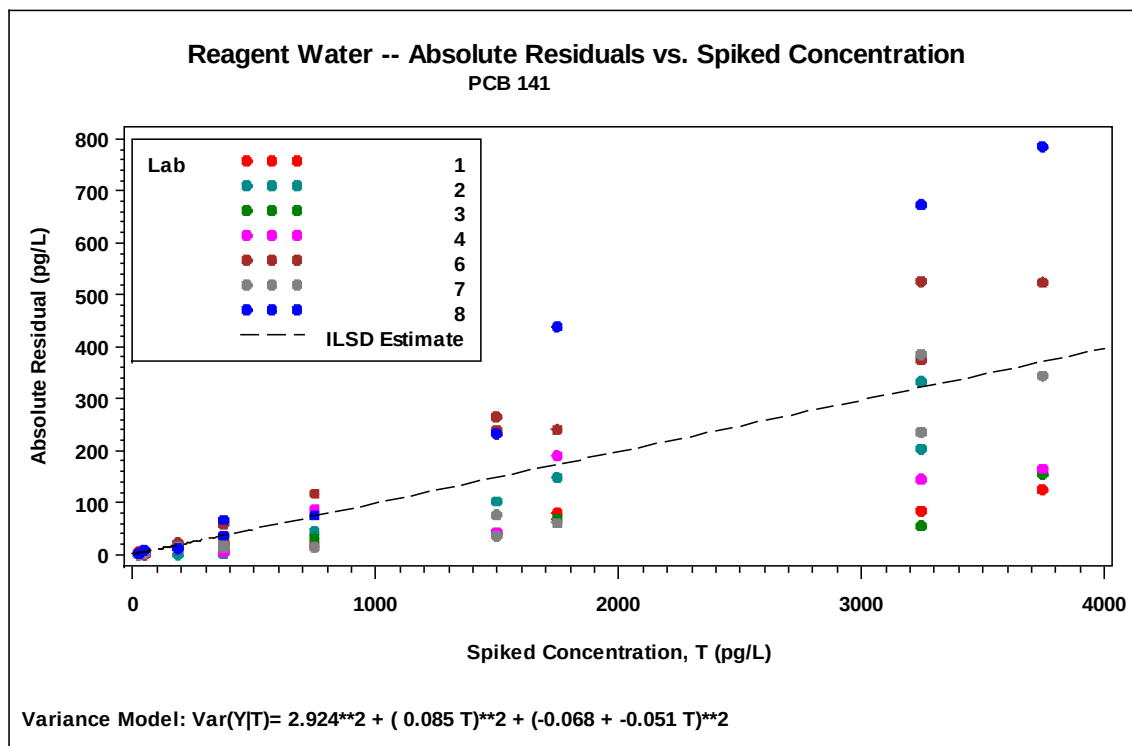
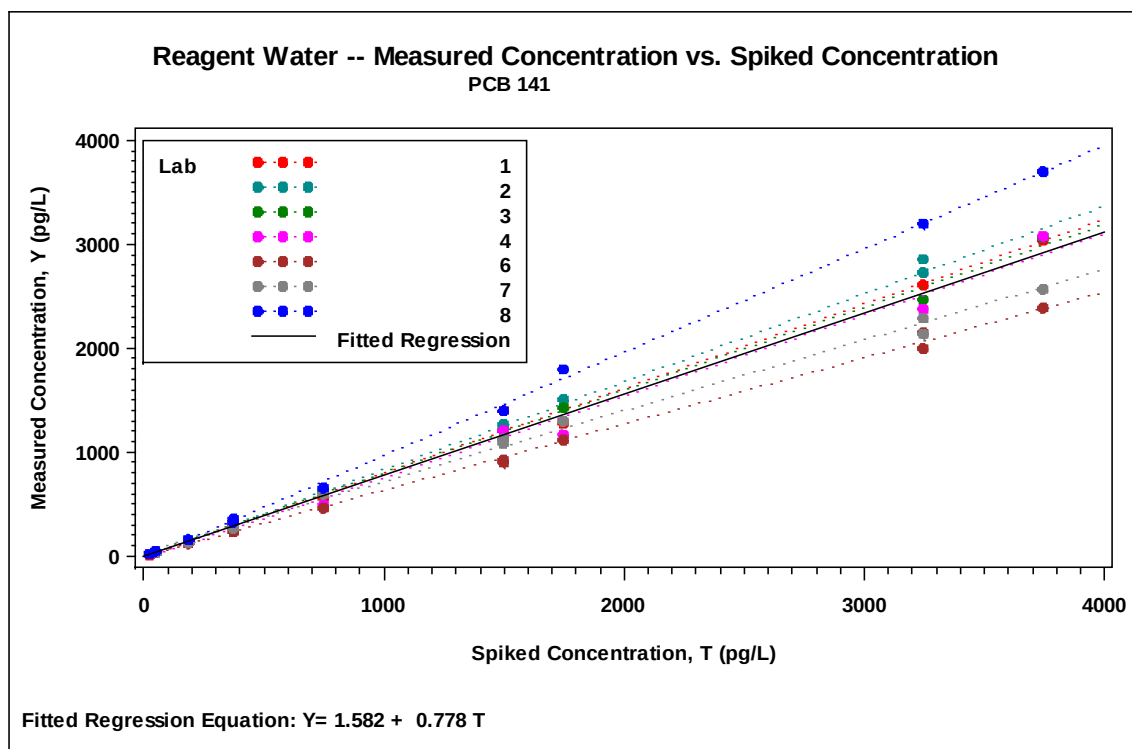


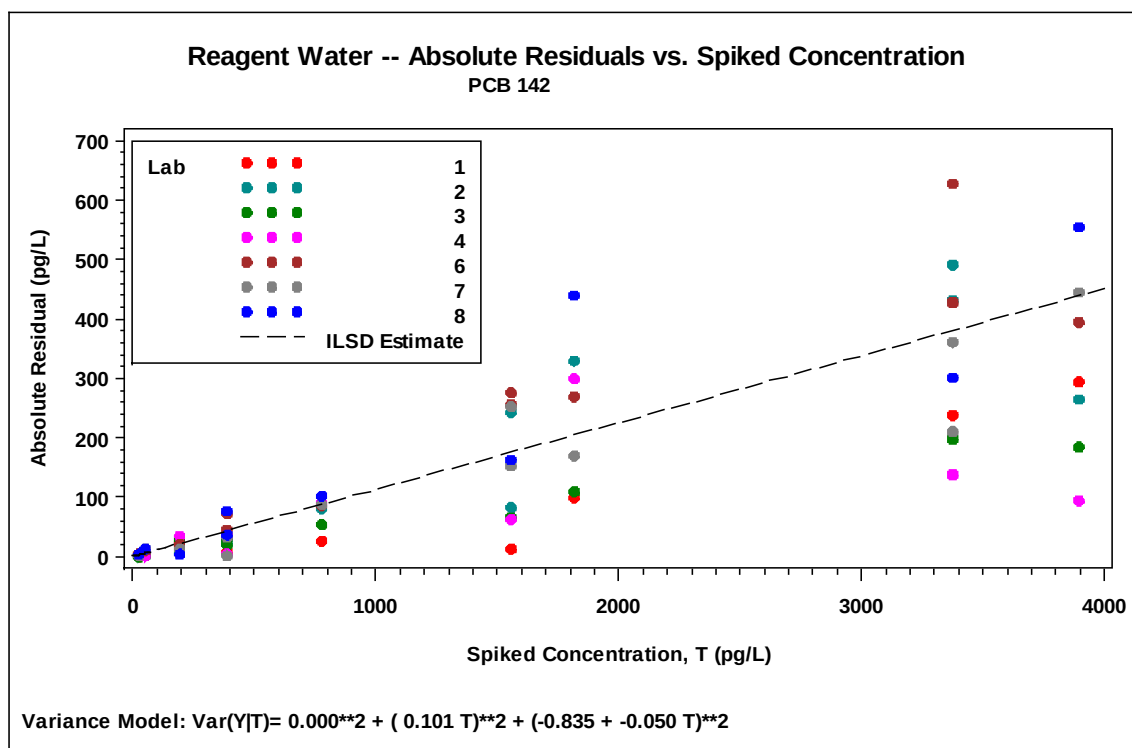
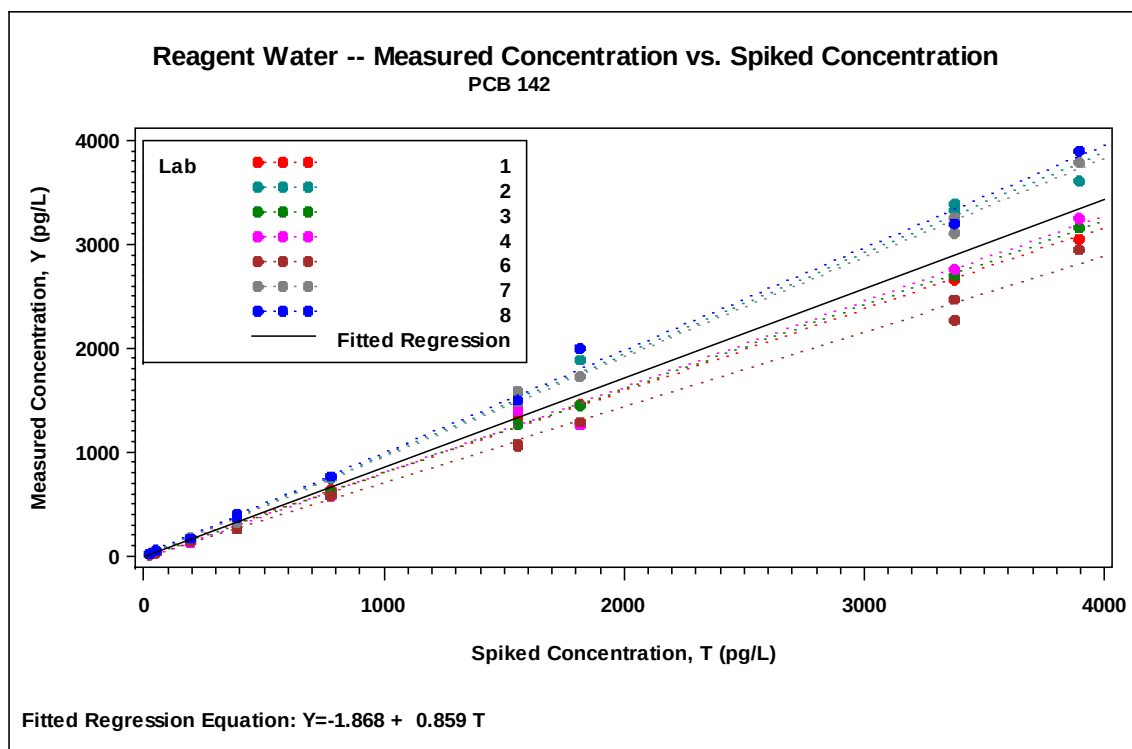
Fitted Regression Equation: $Y = -4.699 + 0.779 T$

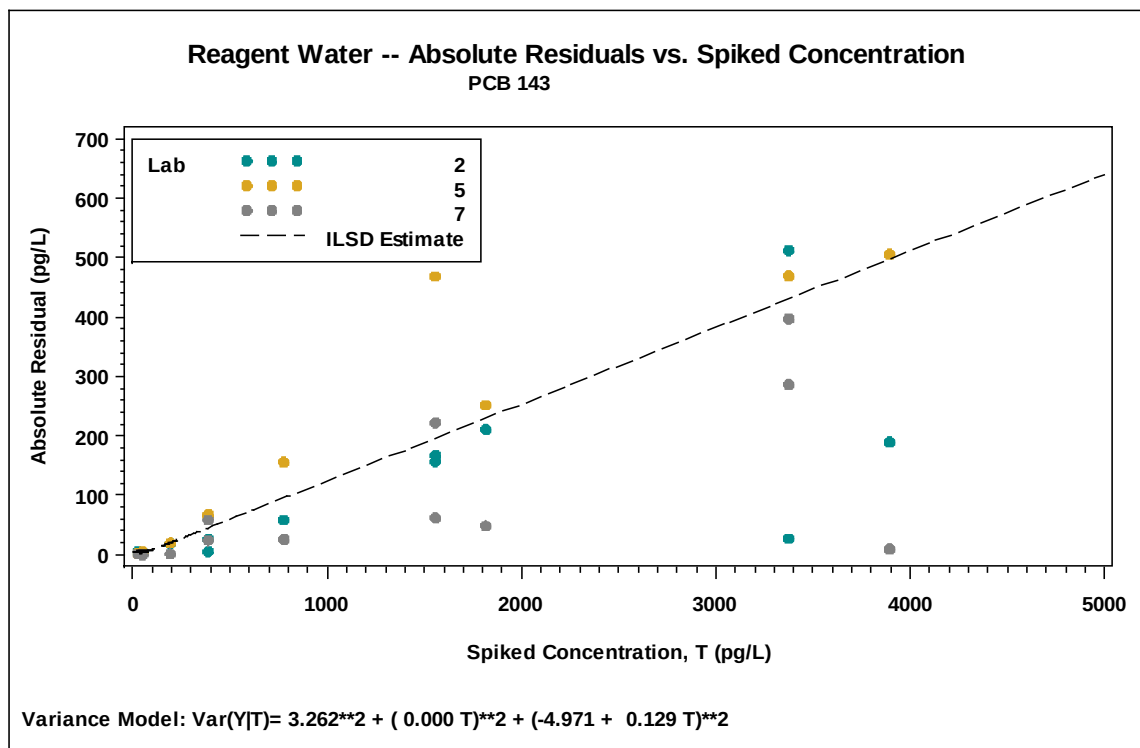
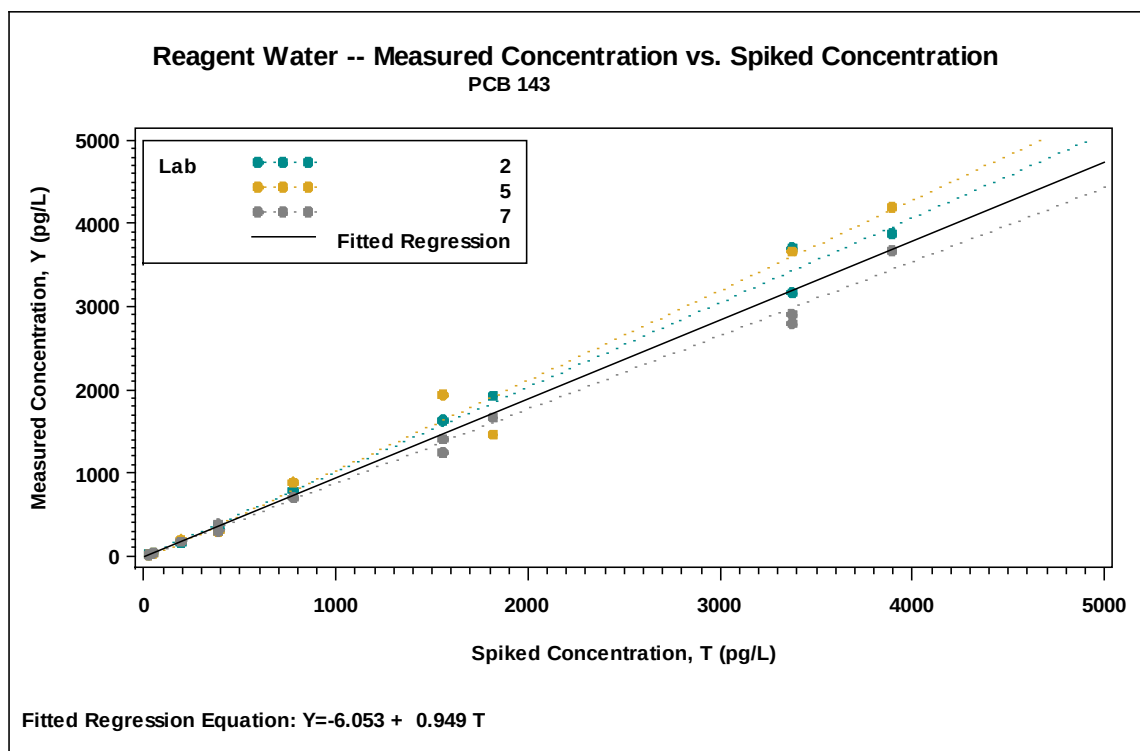
Reagent Water -- Absolute Residuals vs. Spiked Concentration
PCB 139/140

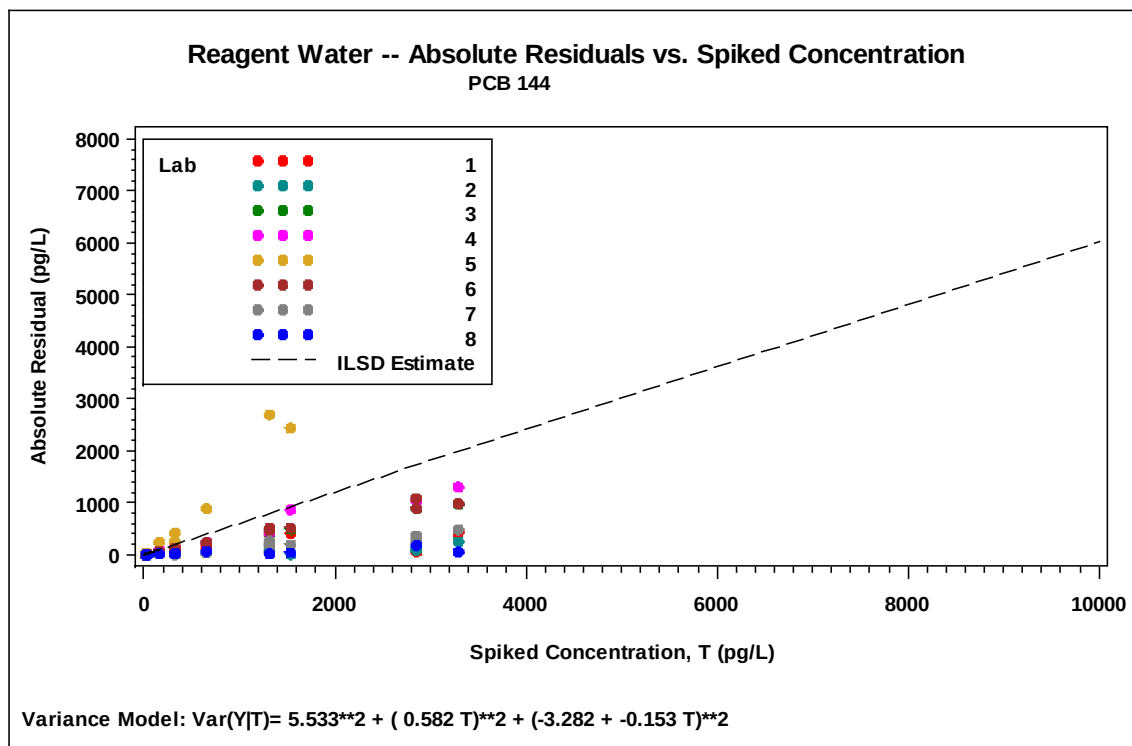
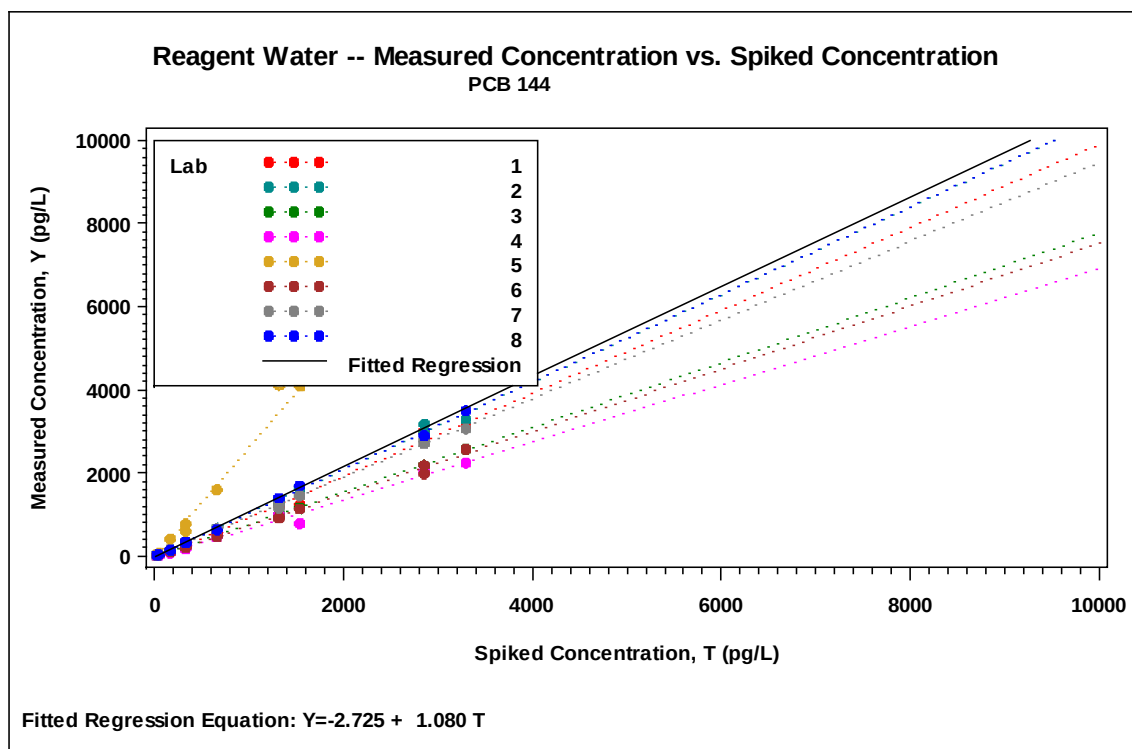


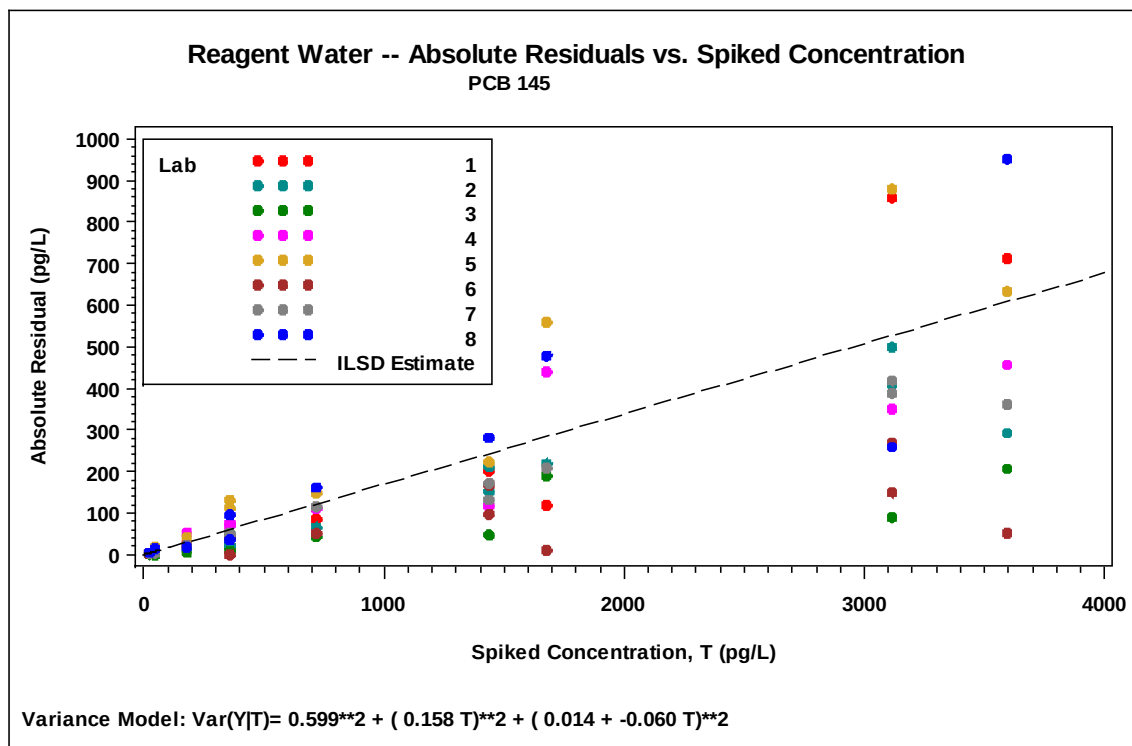
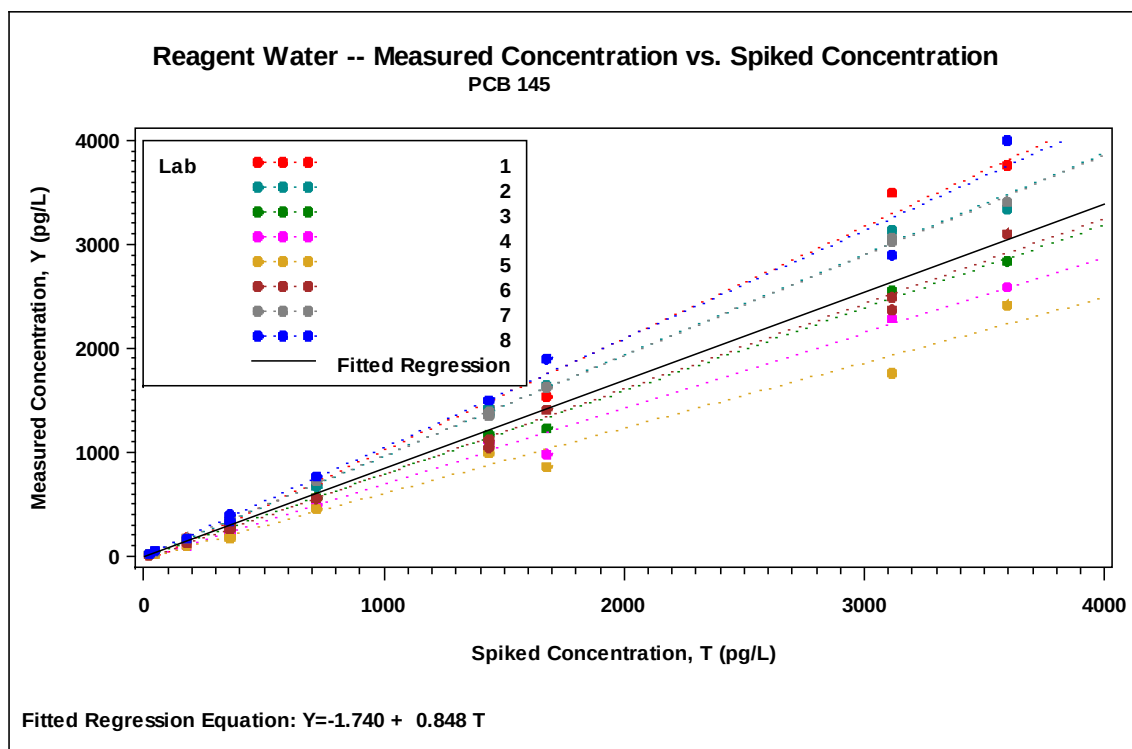
Variance Model: $\text{Var}(Y|T) = 4.000^{**2} + (-0.090 T)^{**2} + (1.186 + -0.060 T)^{**2}$

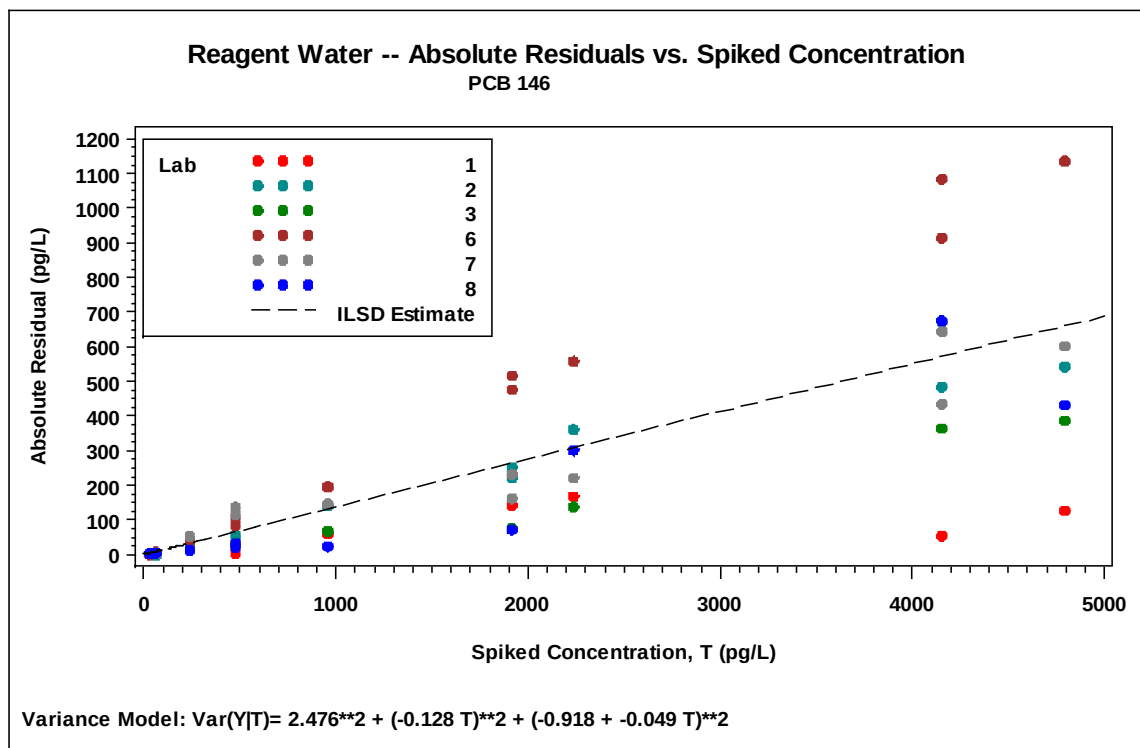
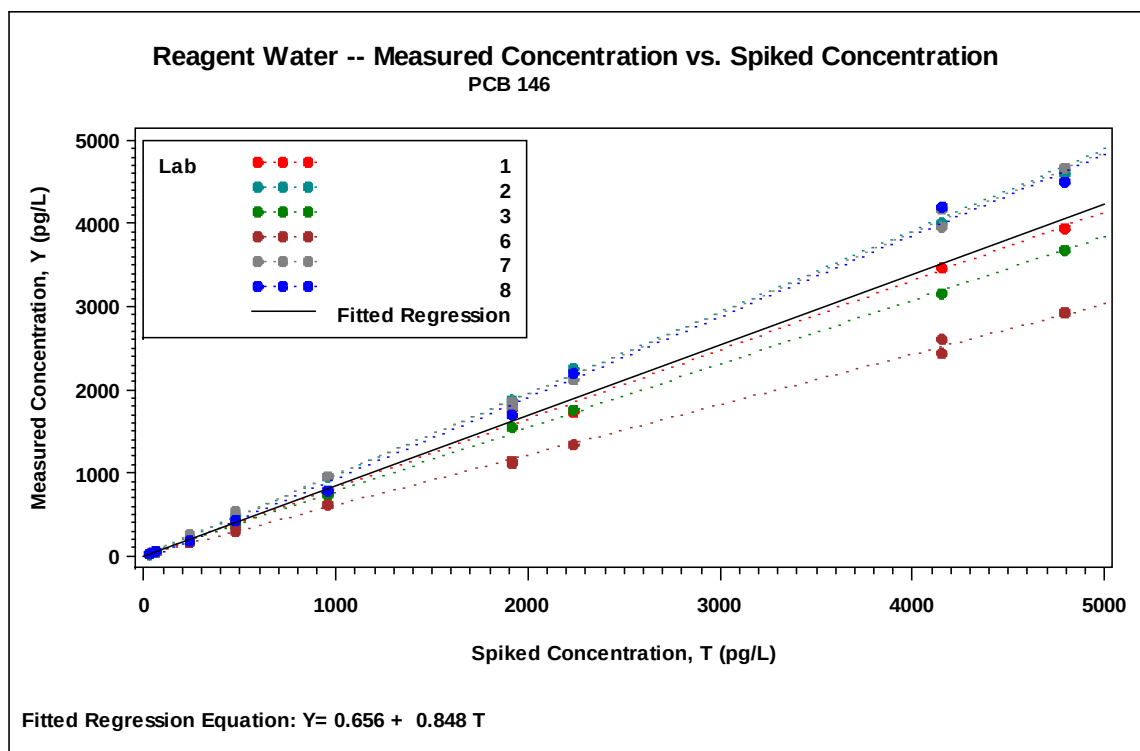






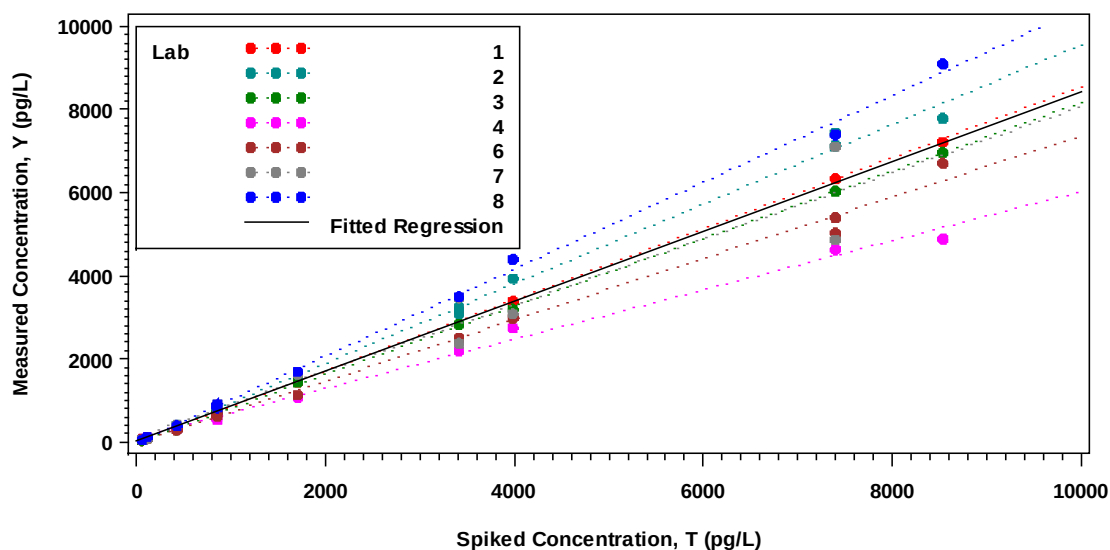






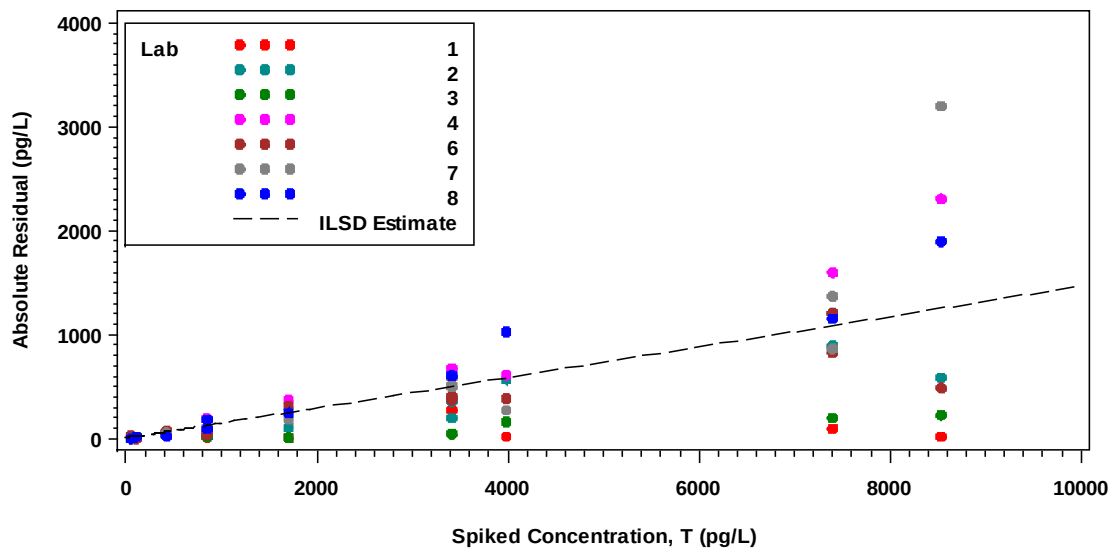
Reagent Water -- Measured Concentration vs. Spiked Concentration

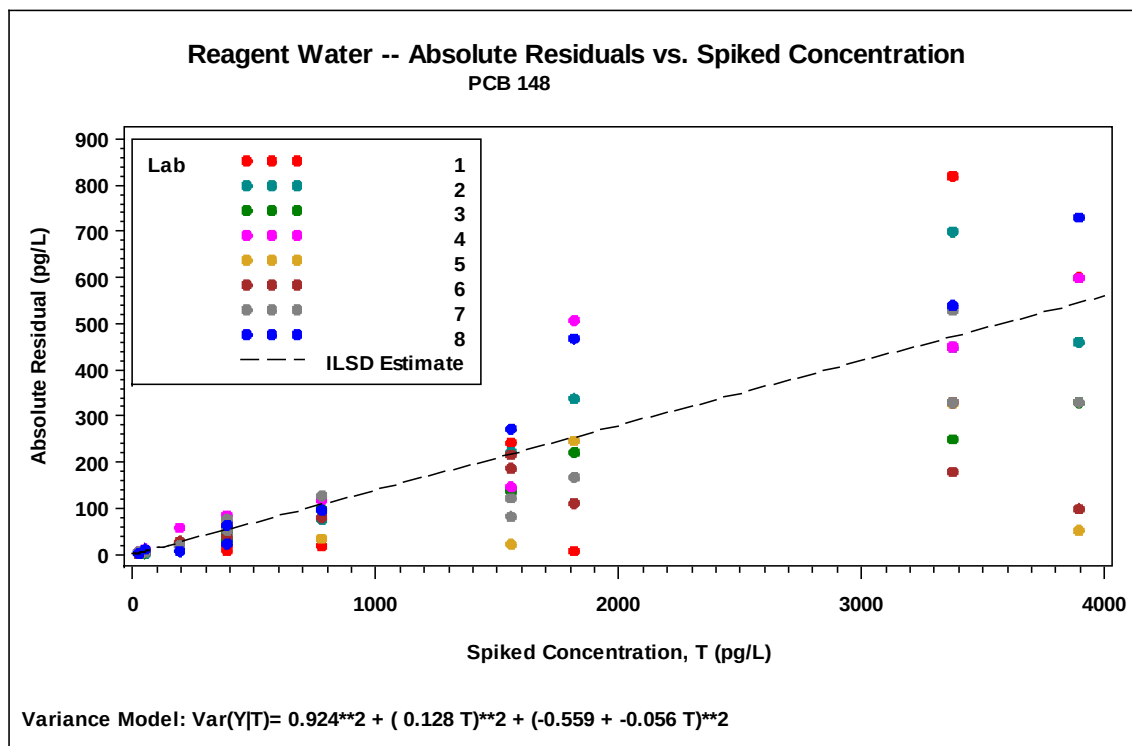
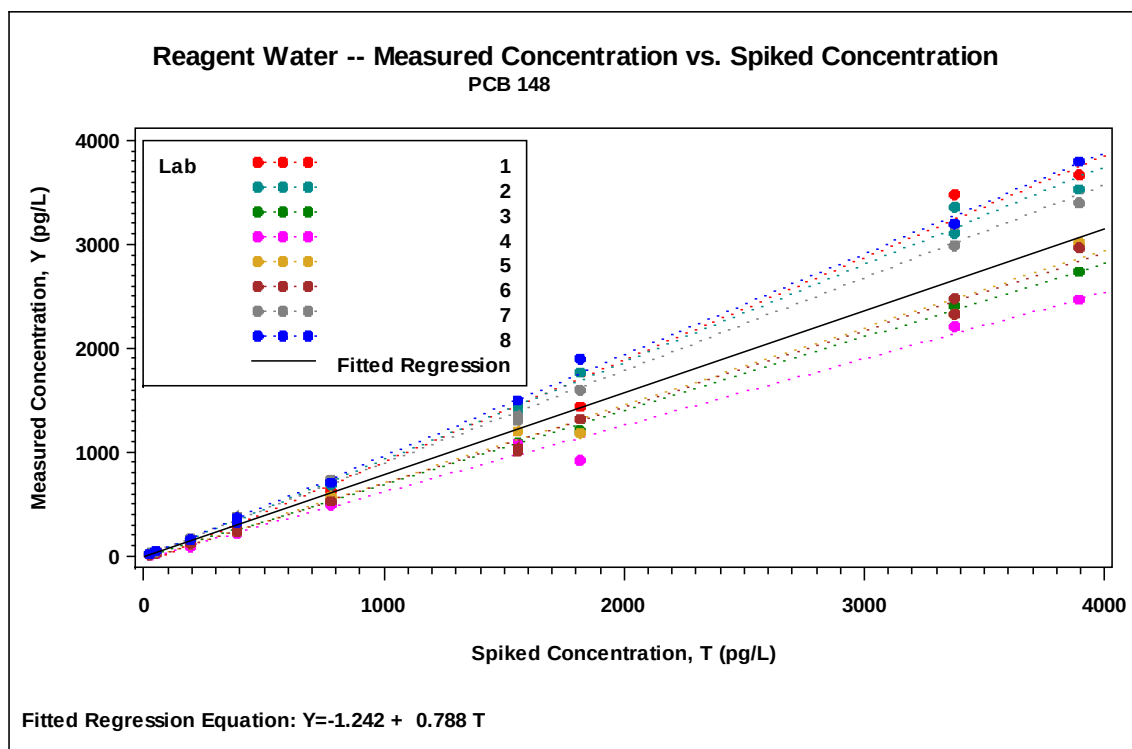
PCB 147/149

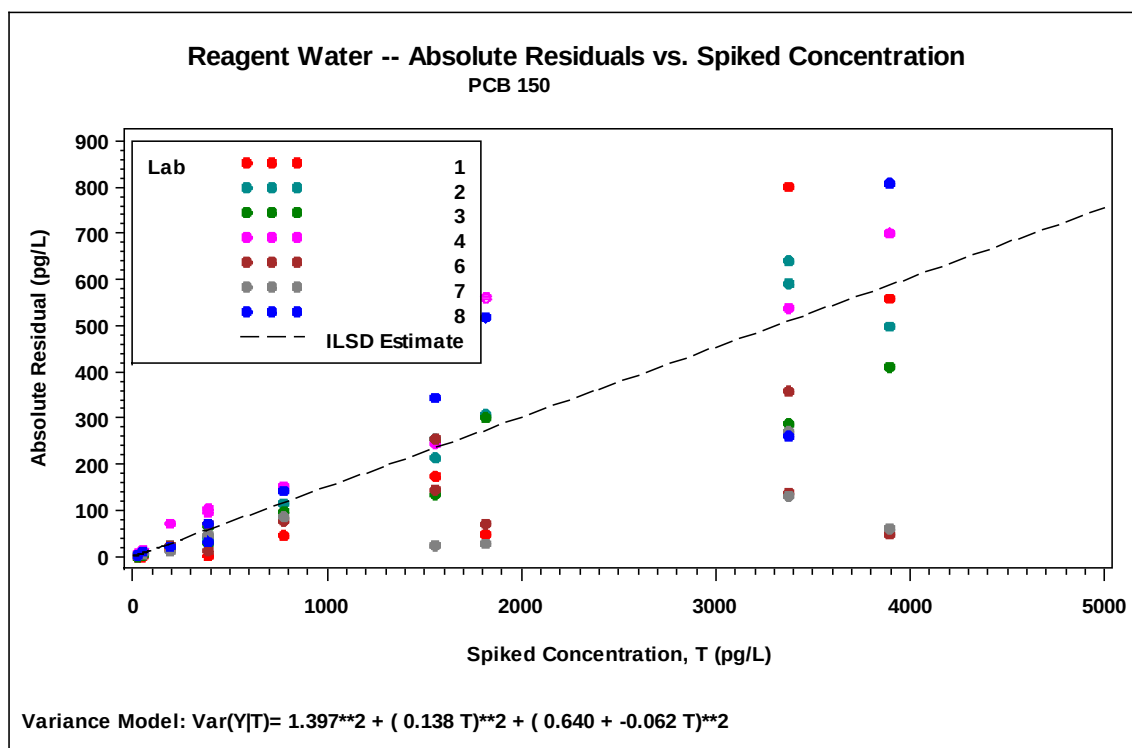
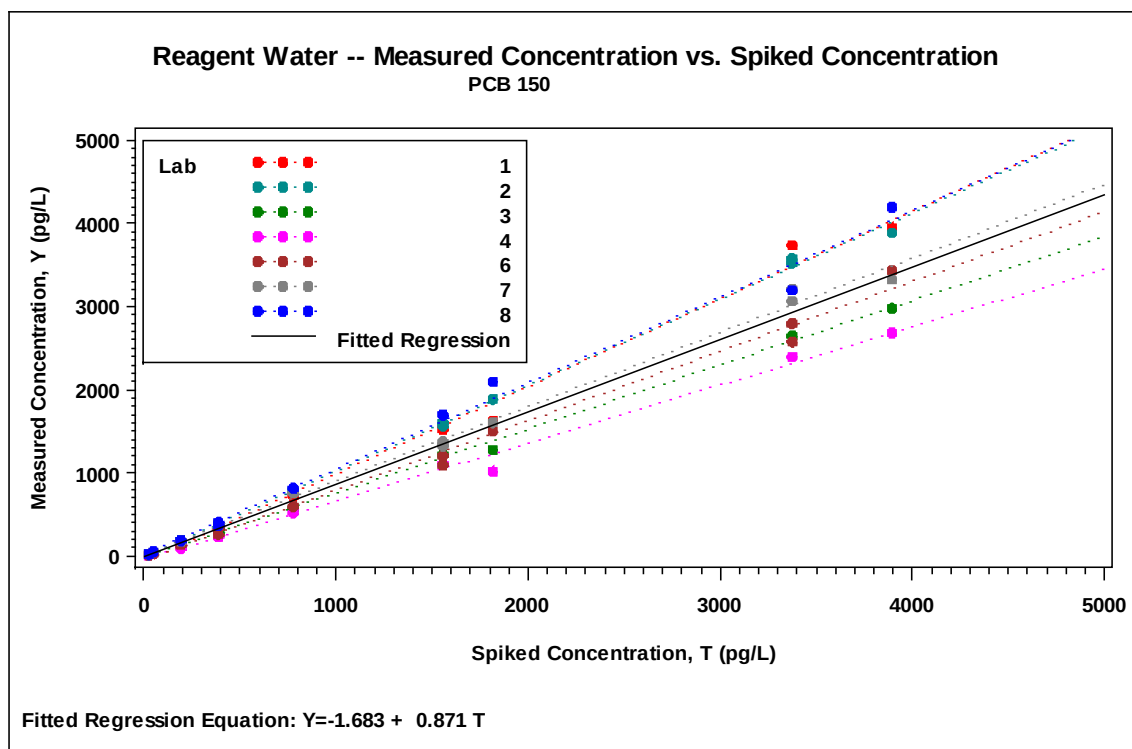


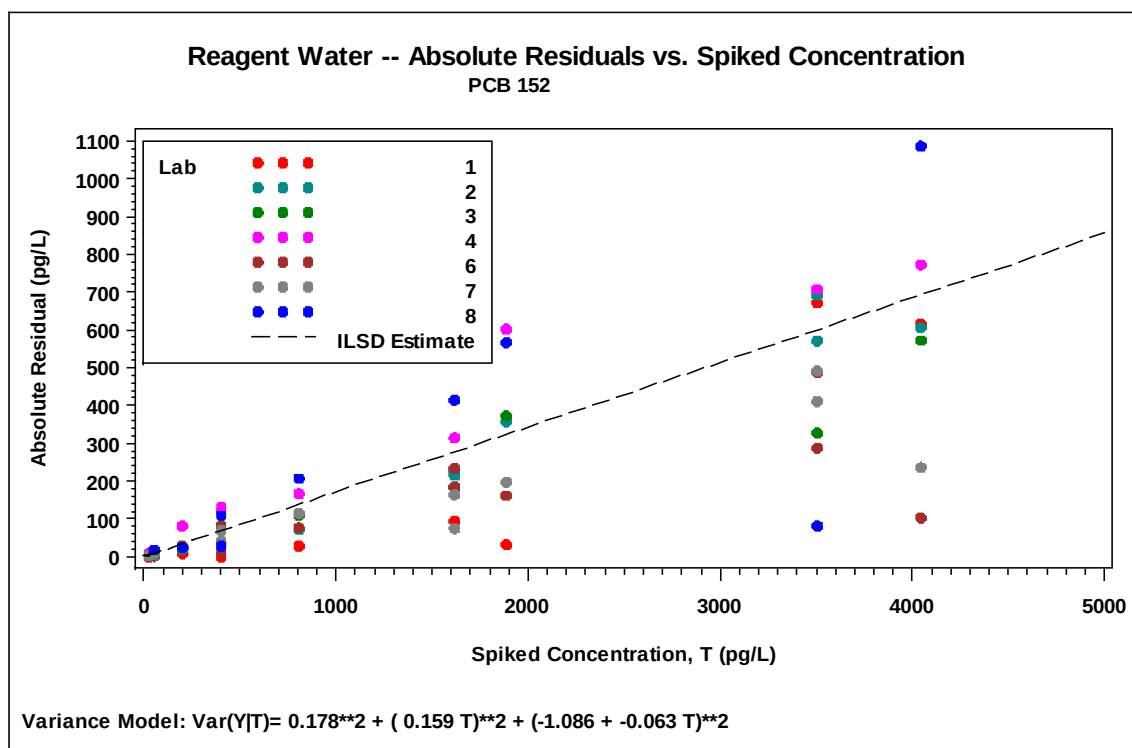
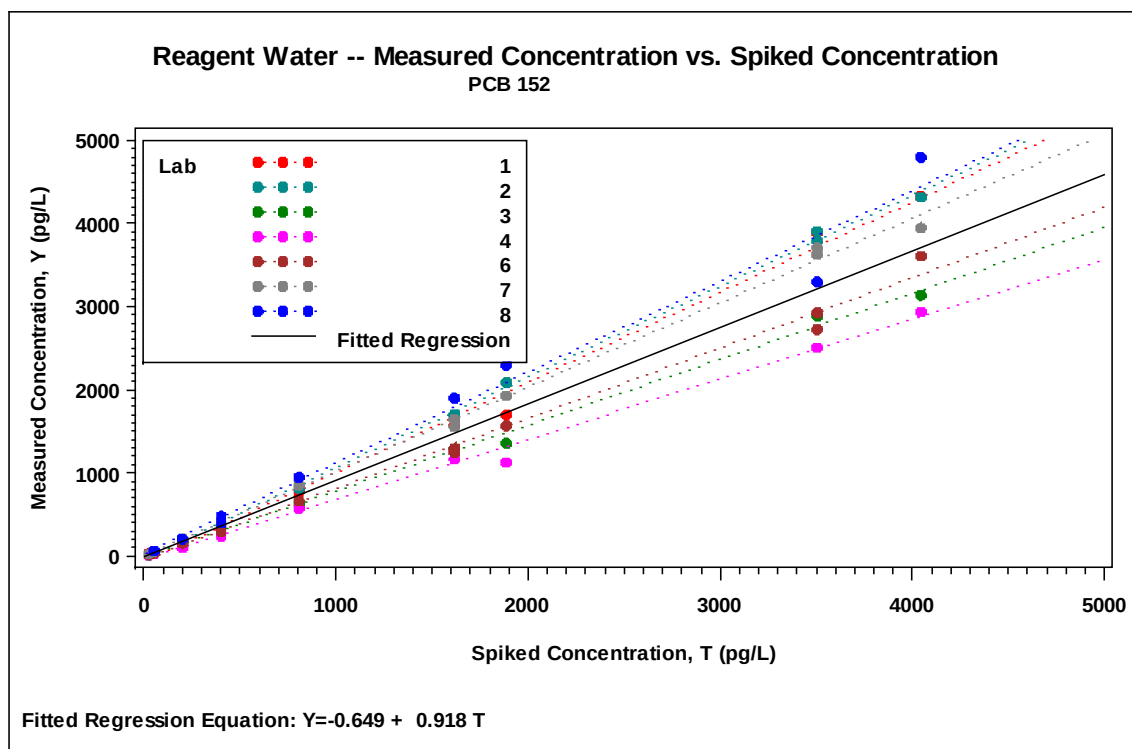
Reagent Water -- Absolute Residuals vs. Spiked Concentration

PCB 147/149

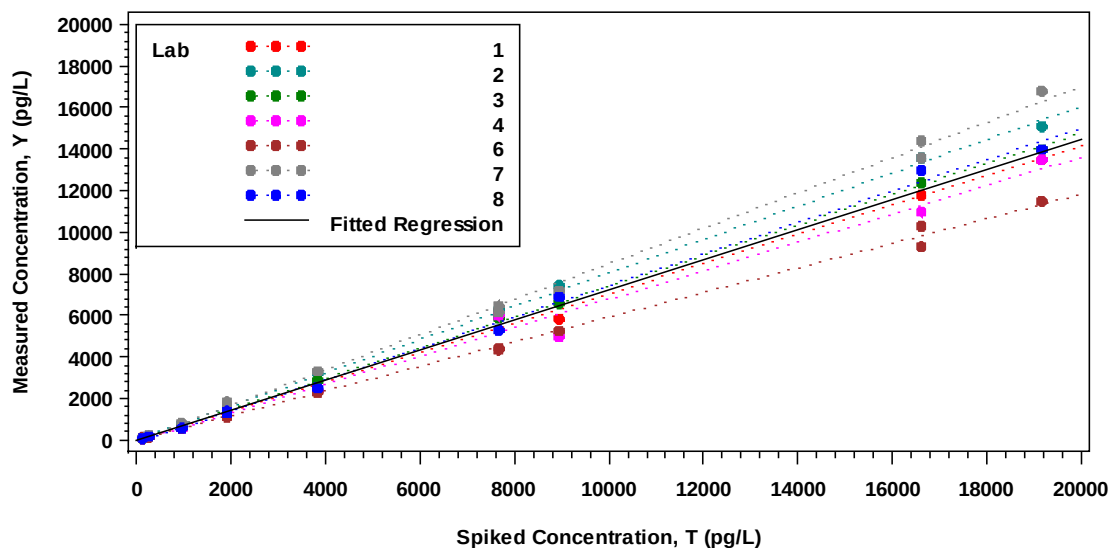




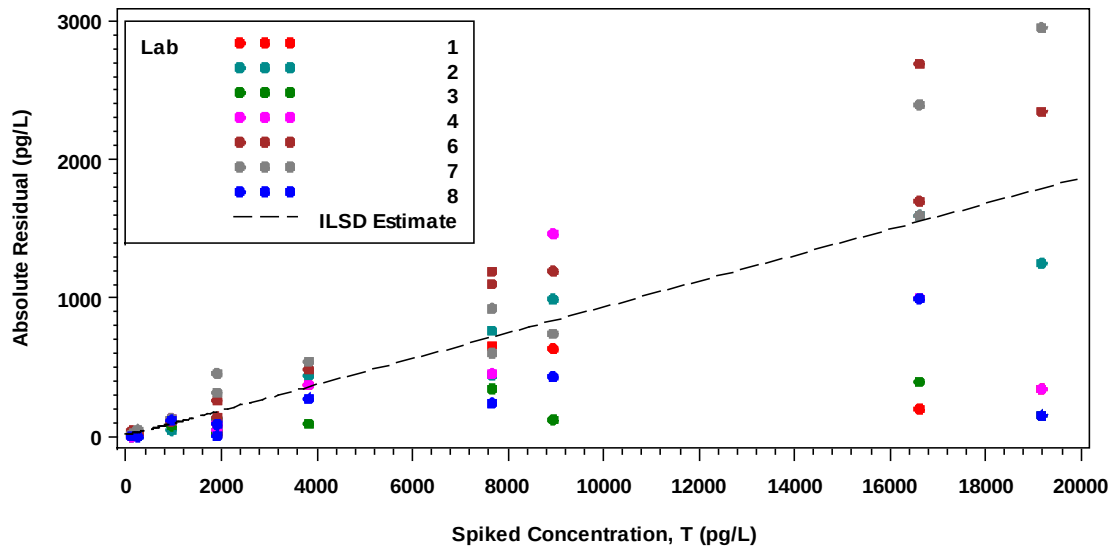


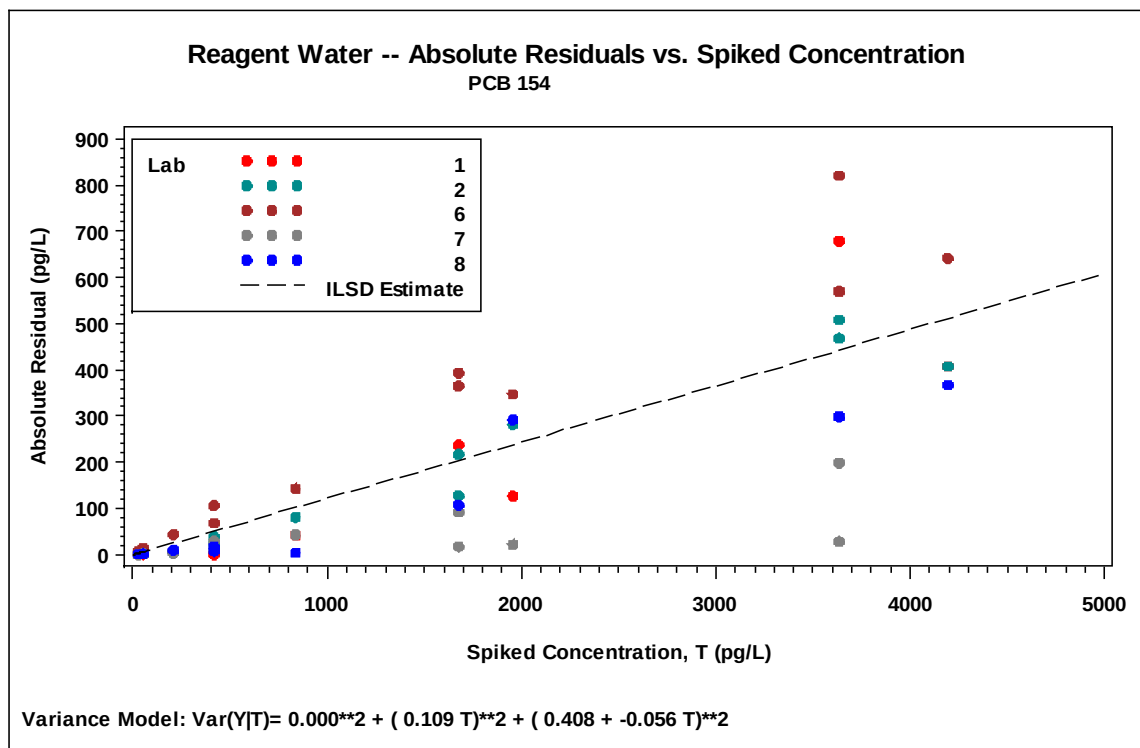
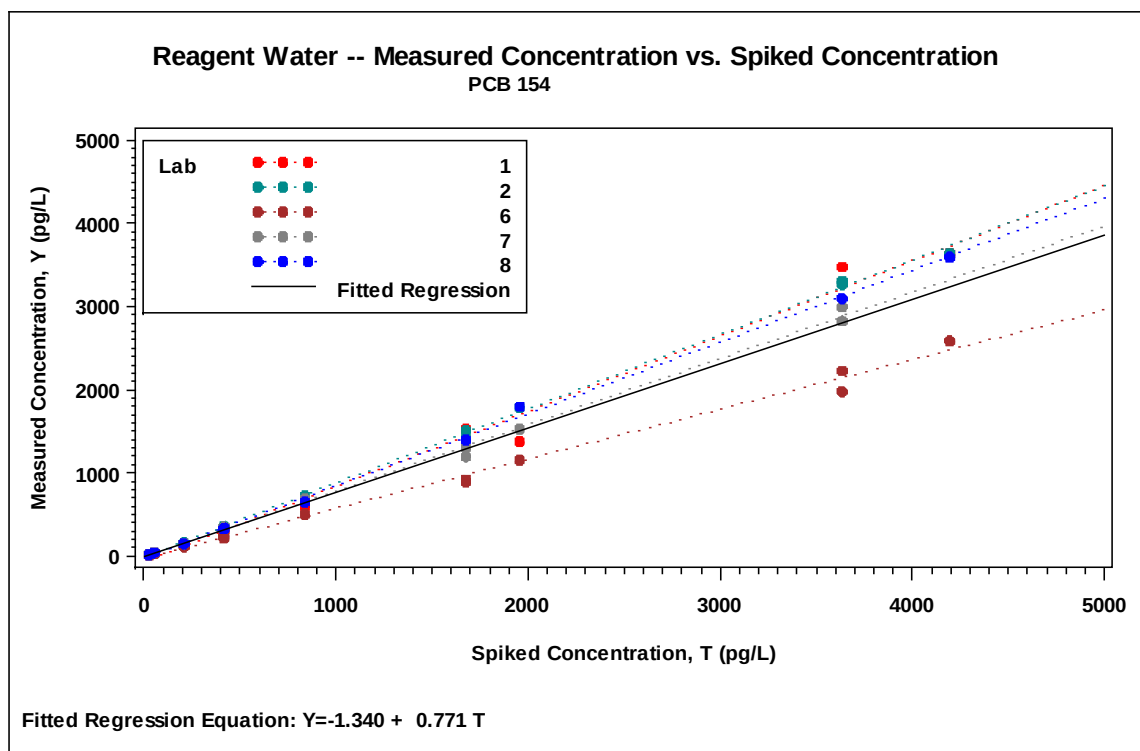


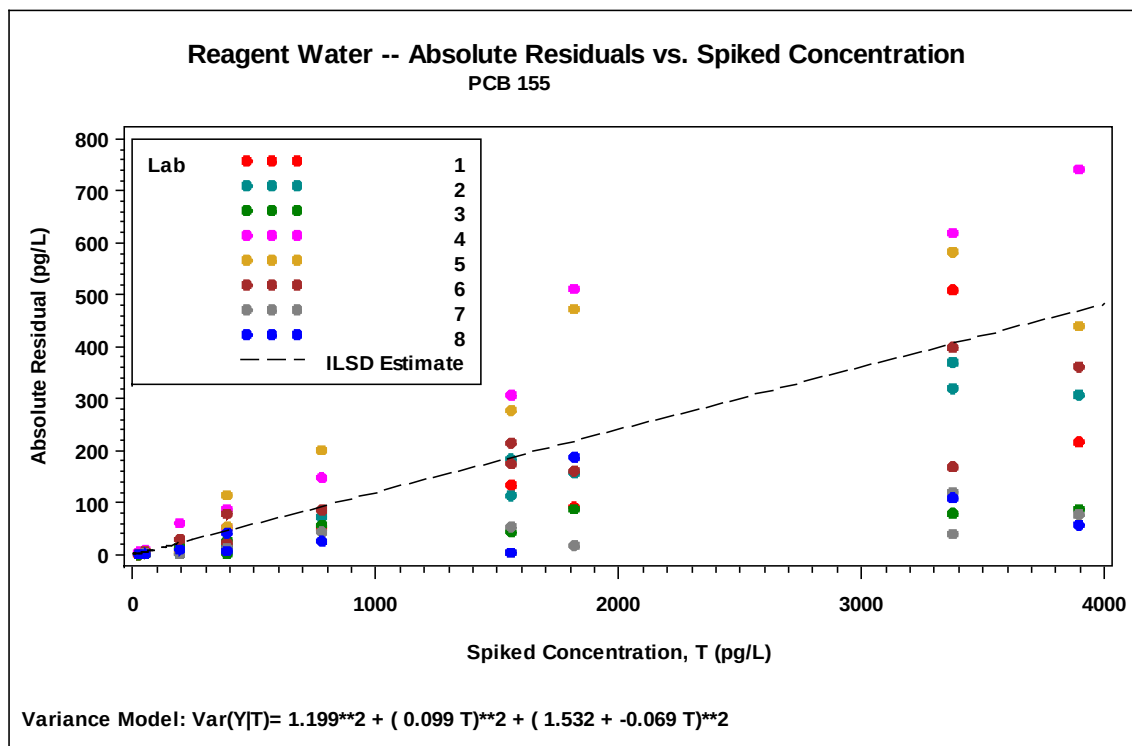
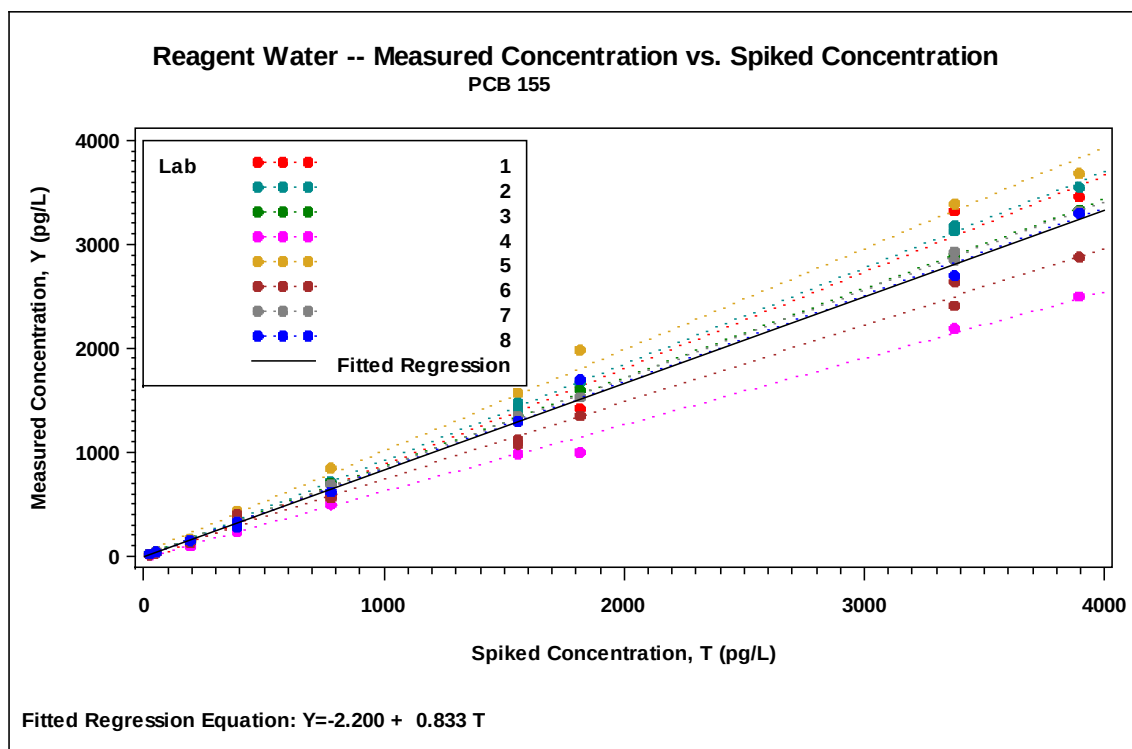
Reagent Water -- Measured Concentration vs. Spiked Concentration
PCB 153/168

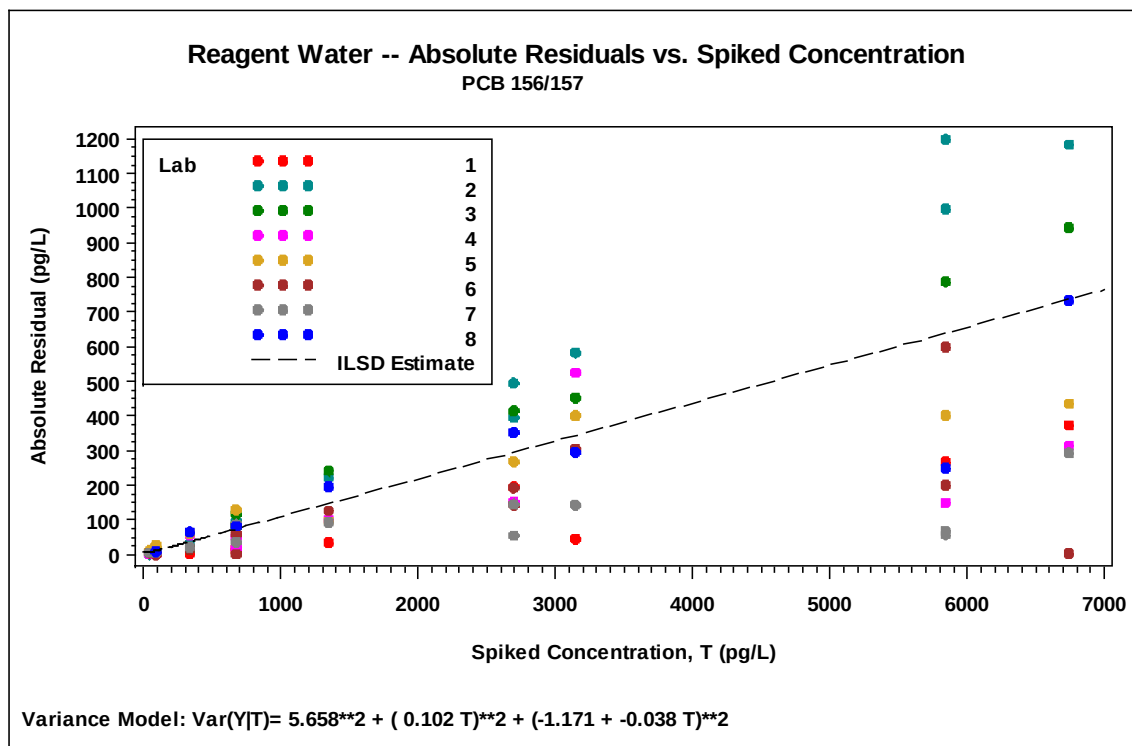
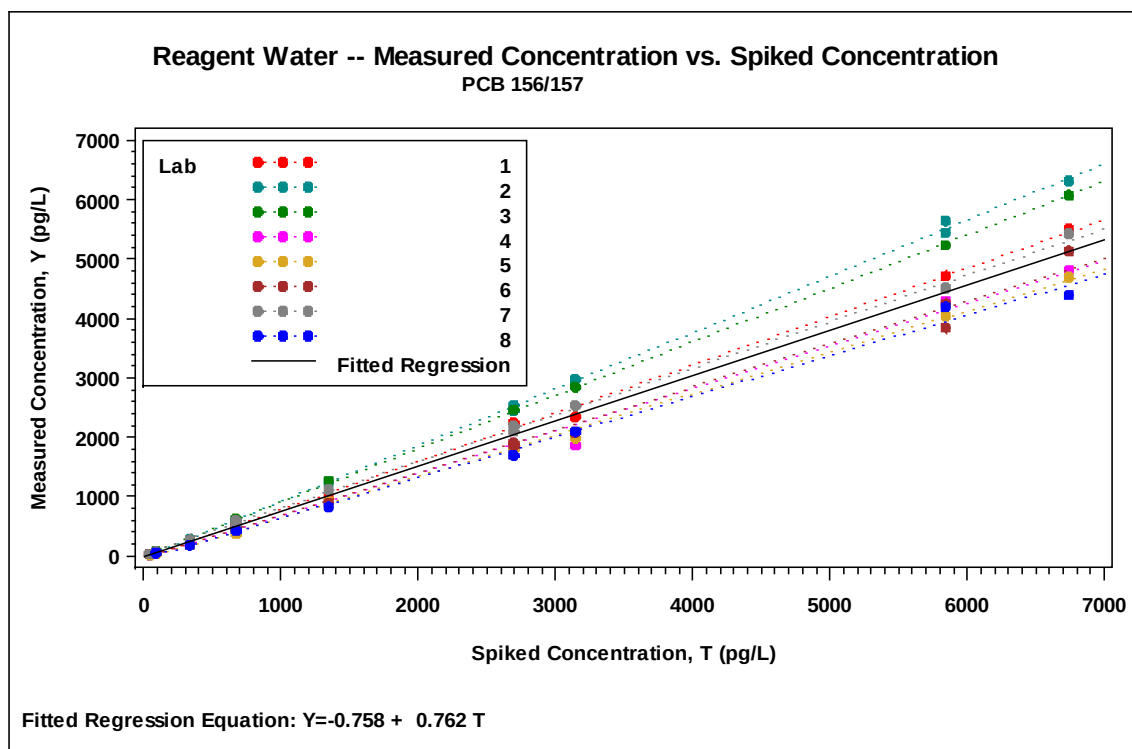


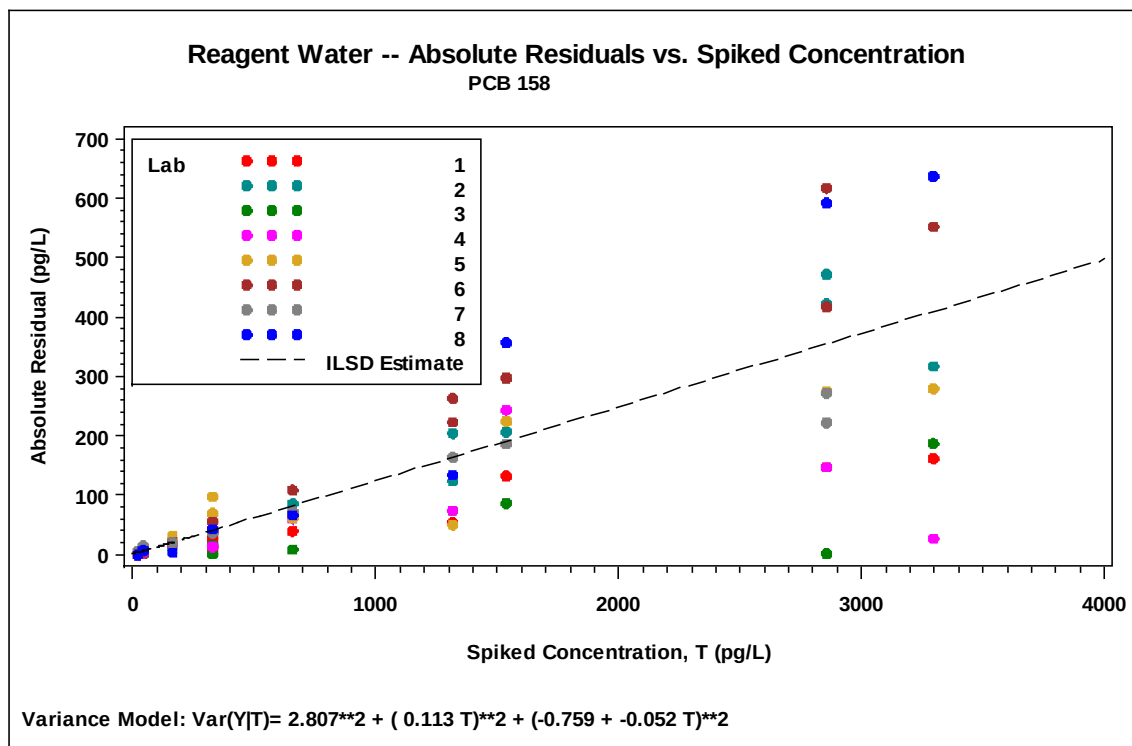
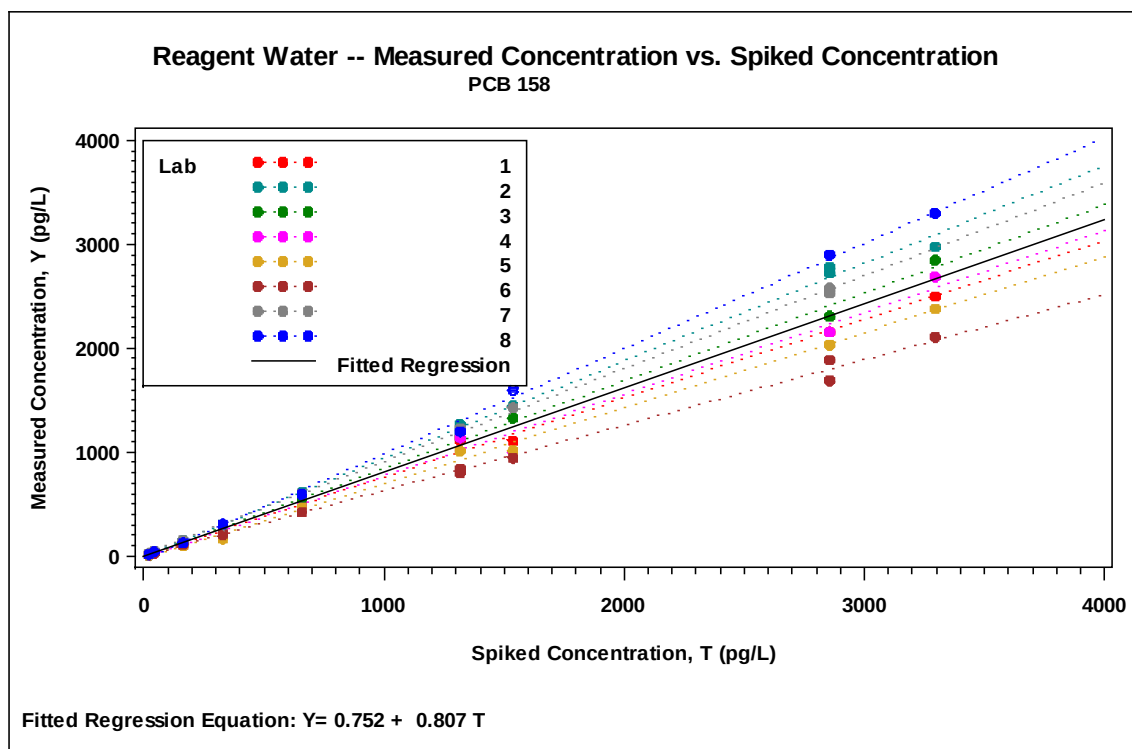
Reagent Water -- Absolute Residuals vs. Spiked Concentration
PCB 153/168

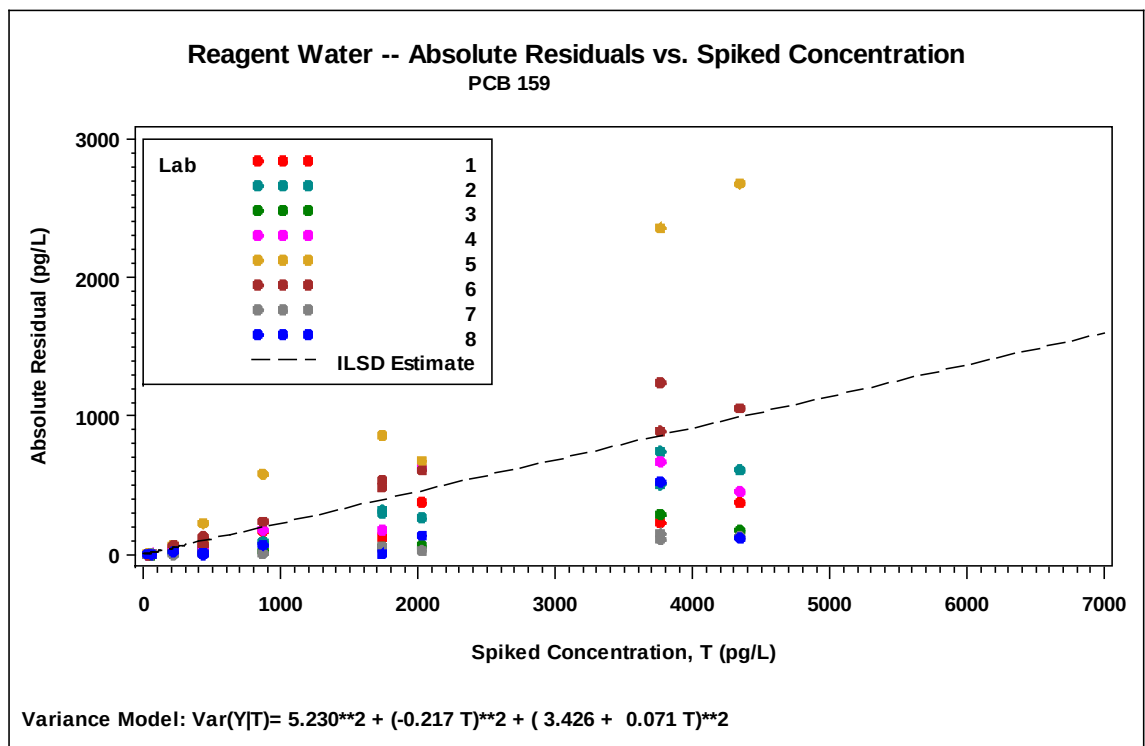
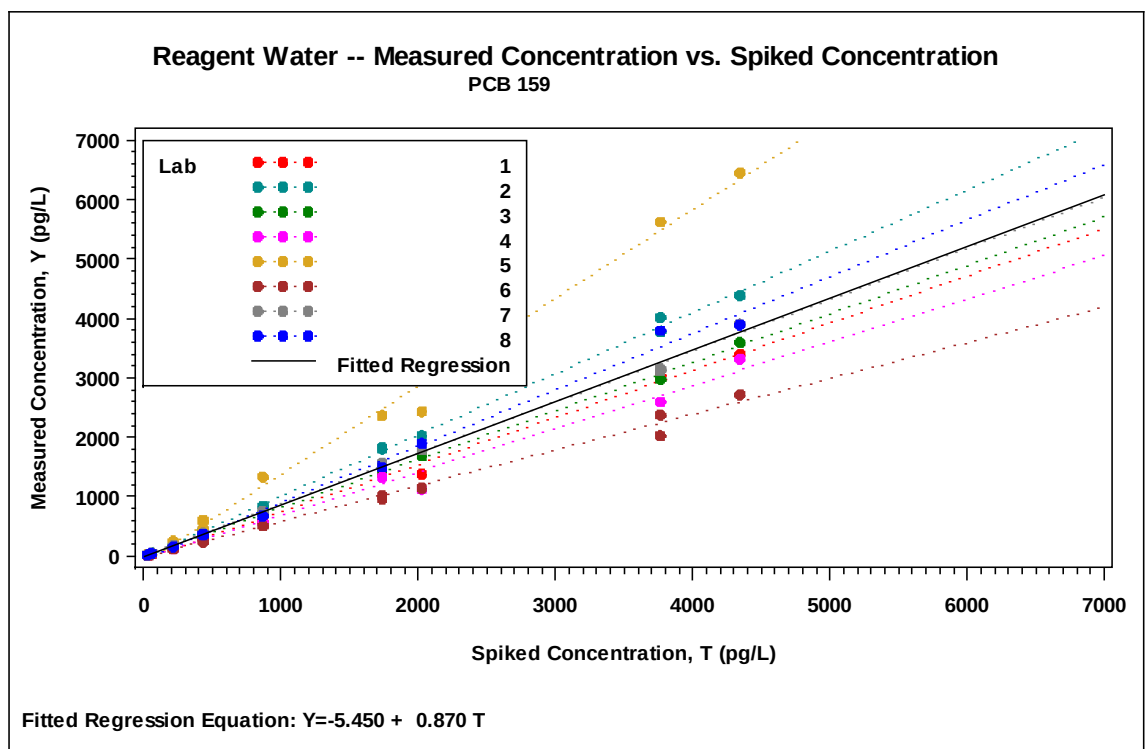


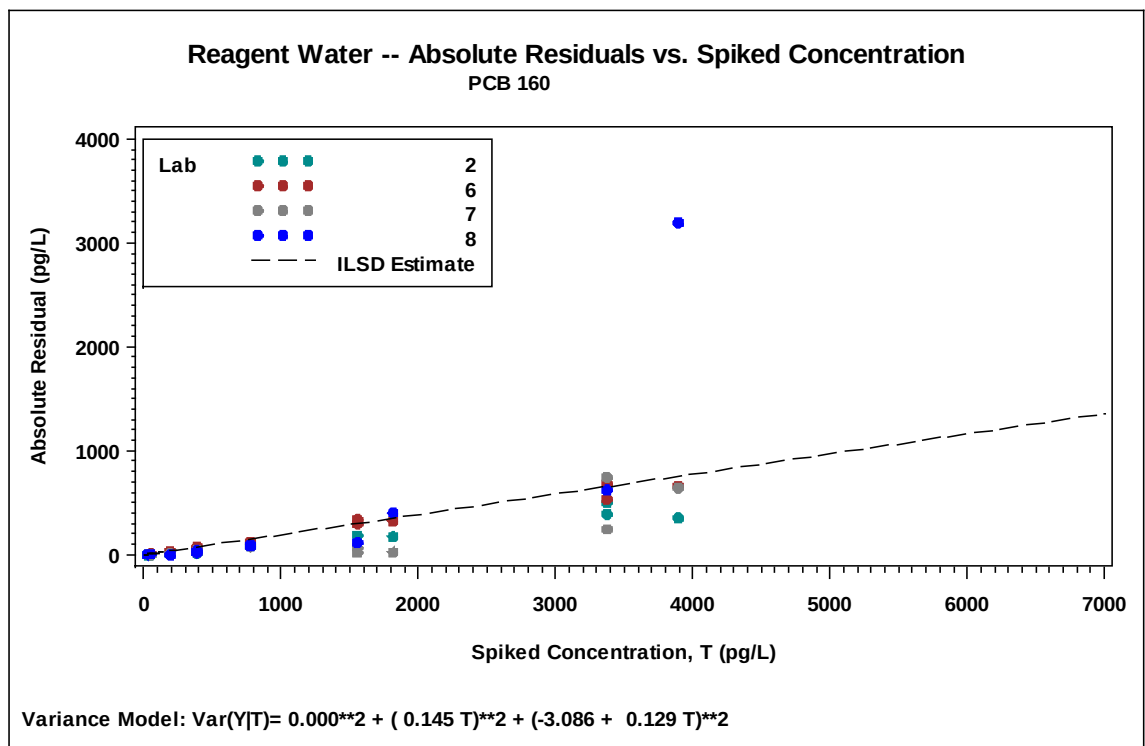
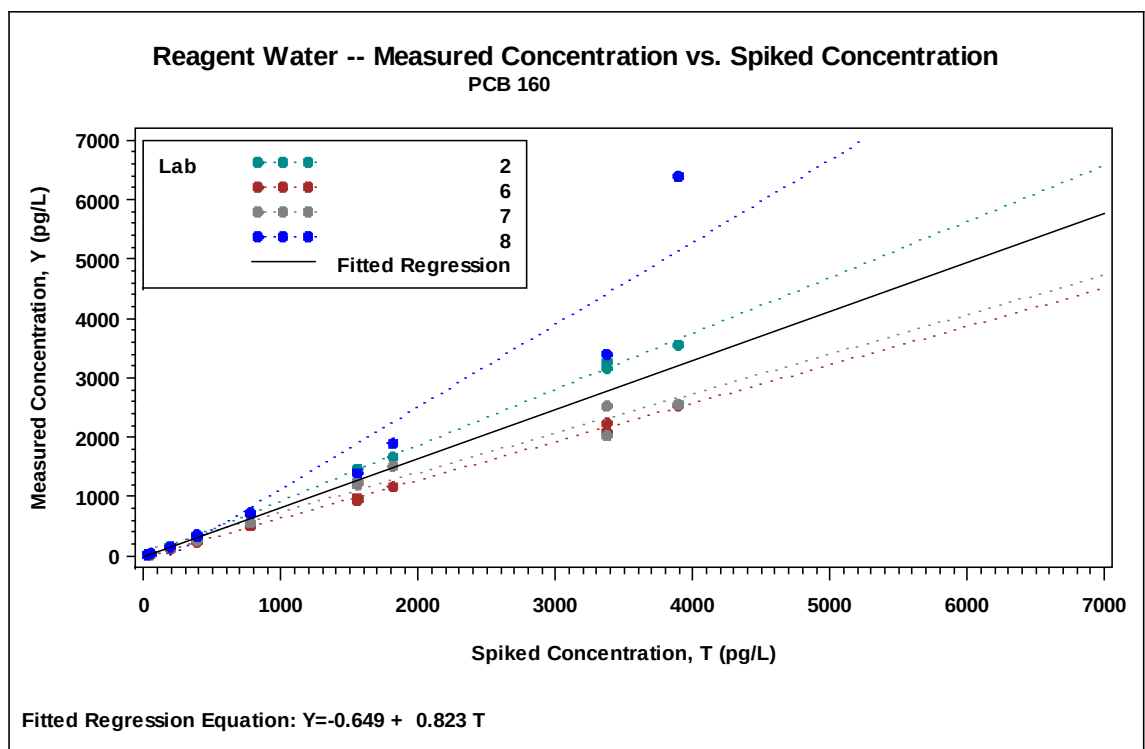


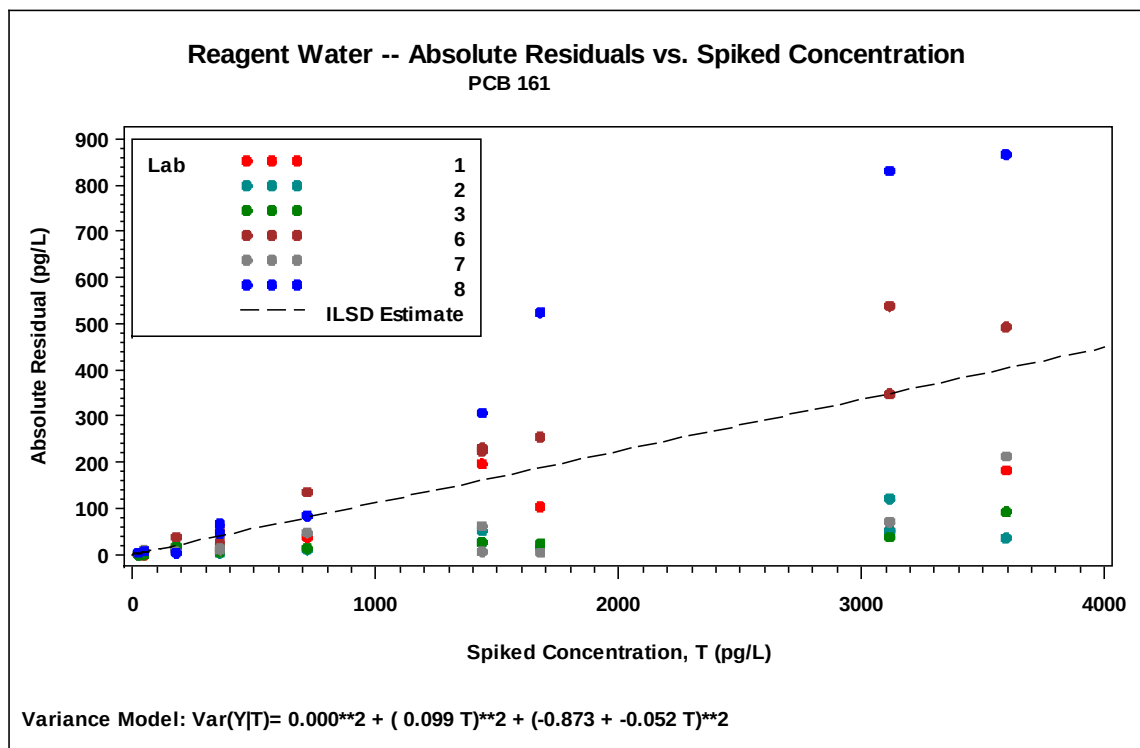
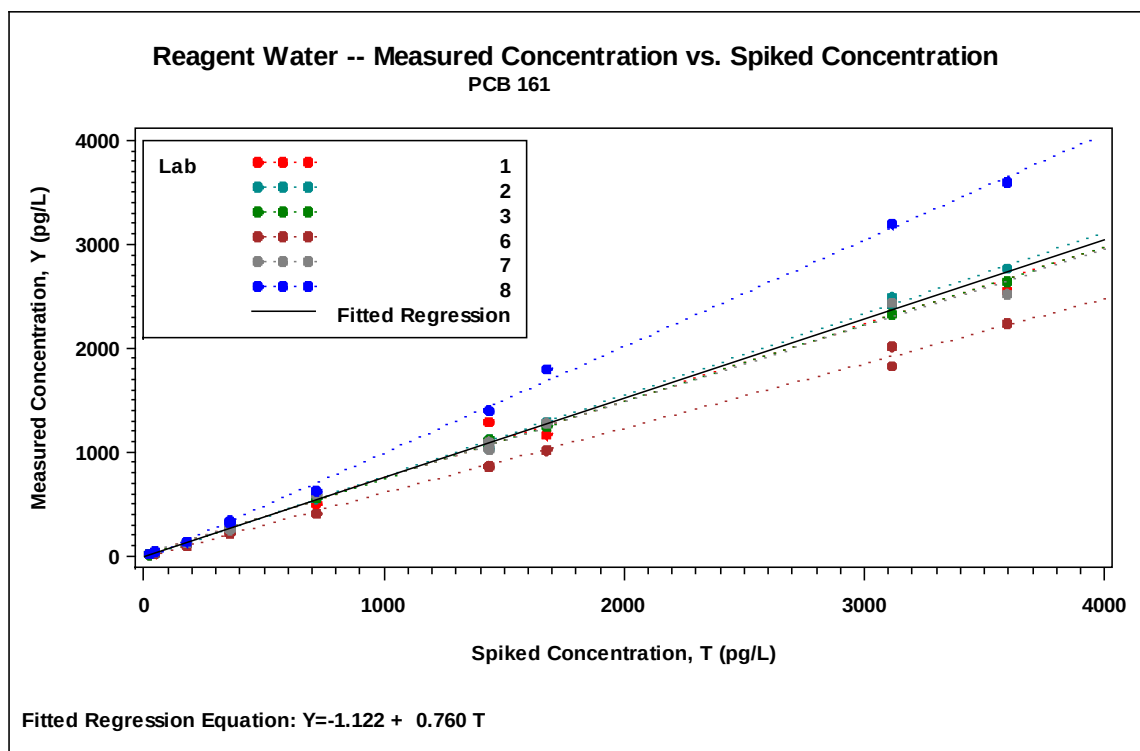


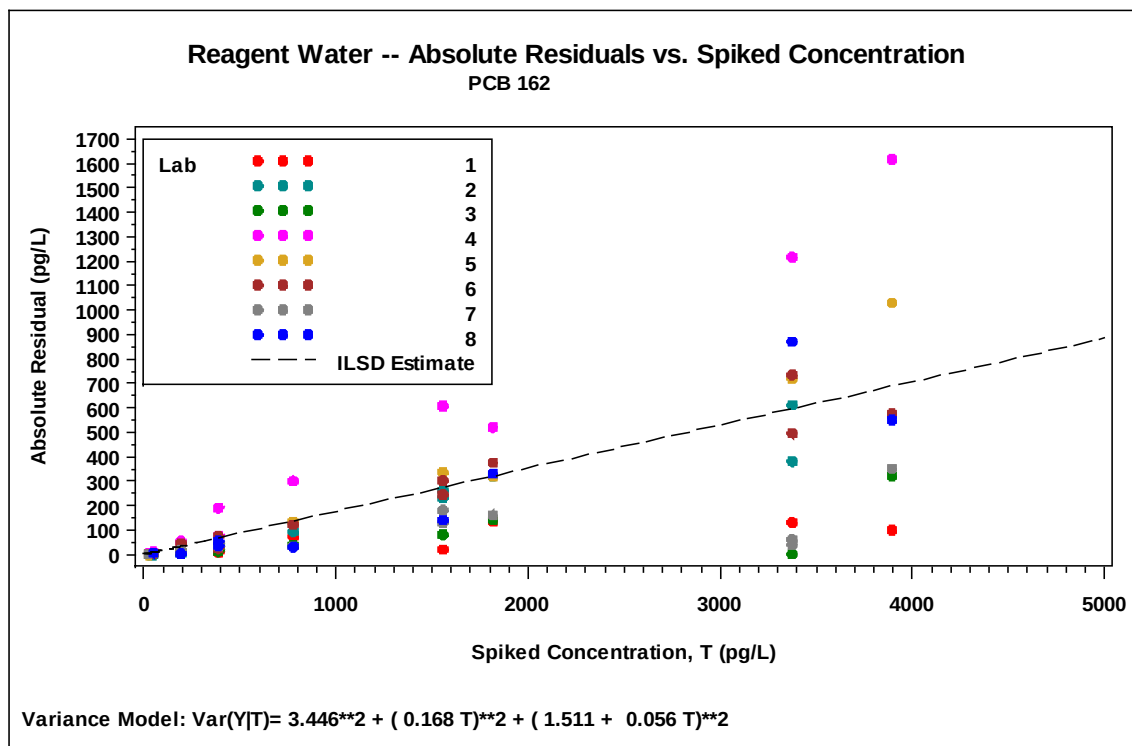
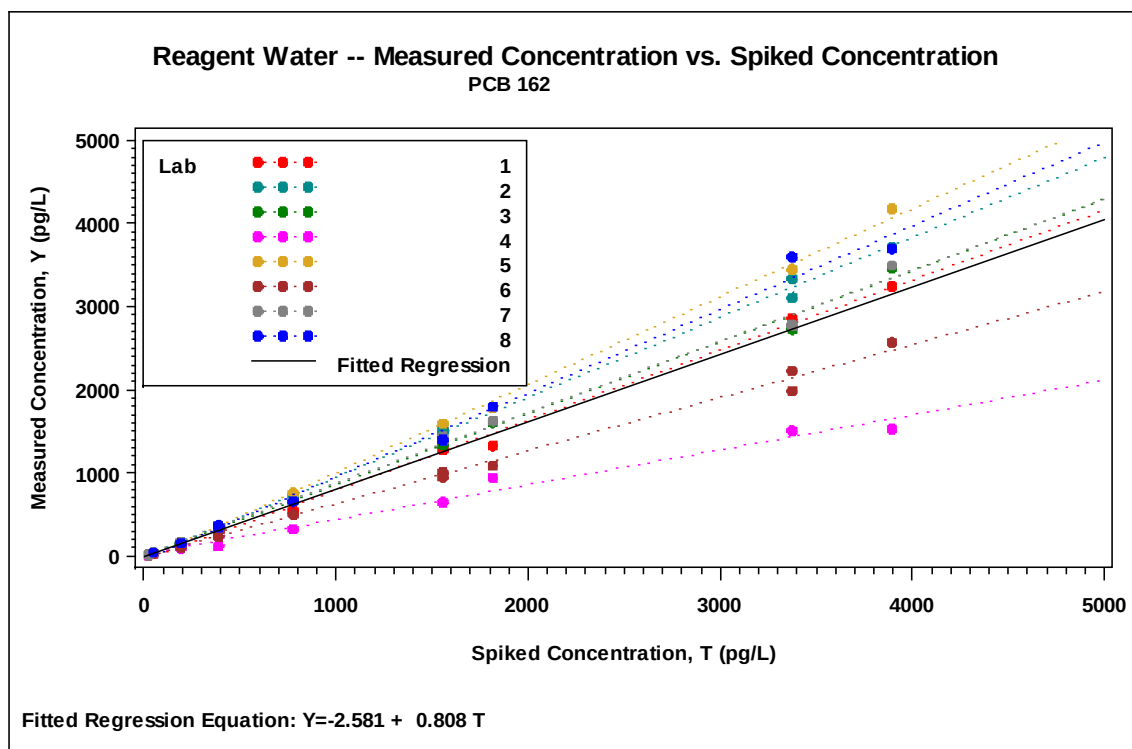


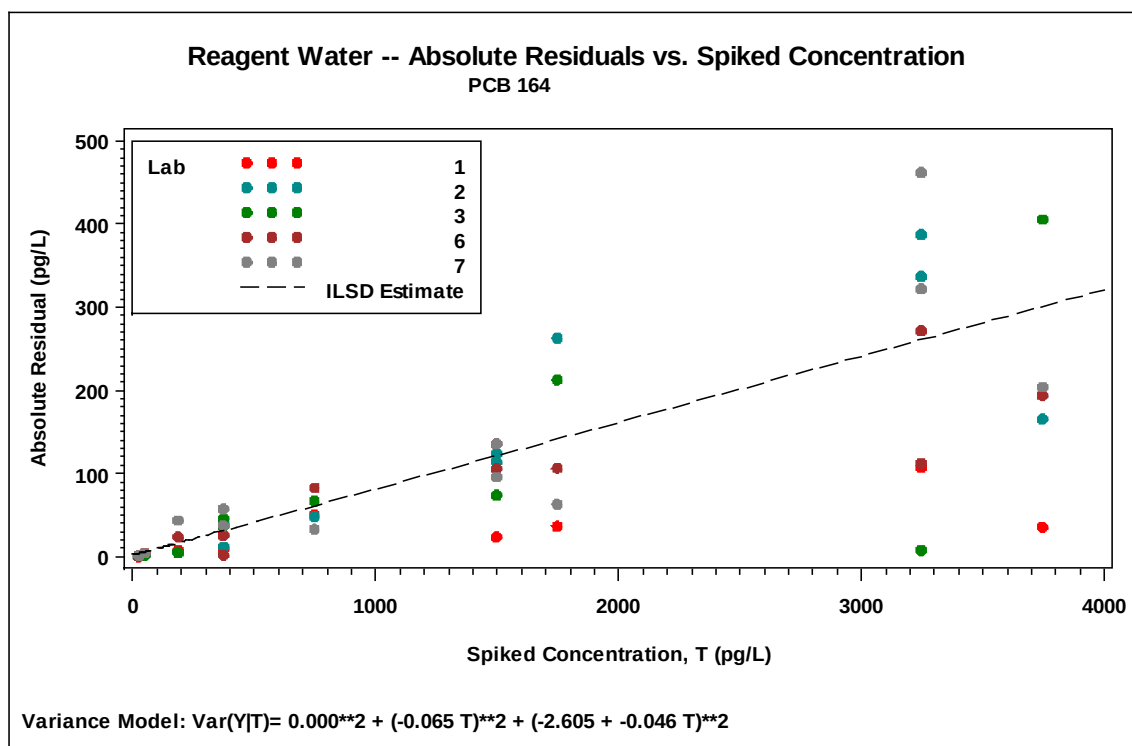
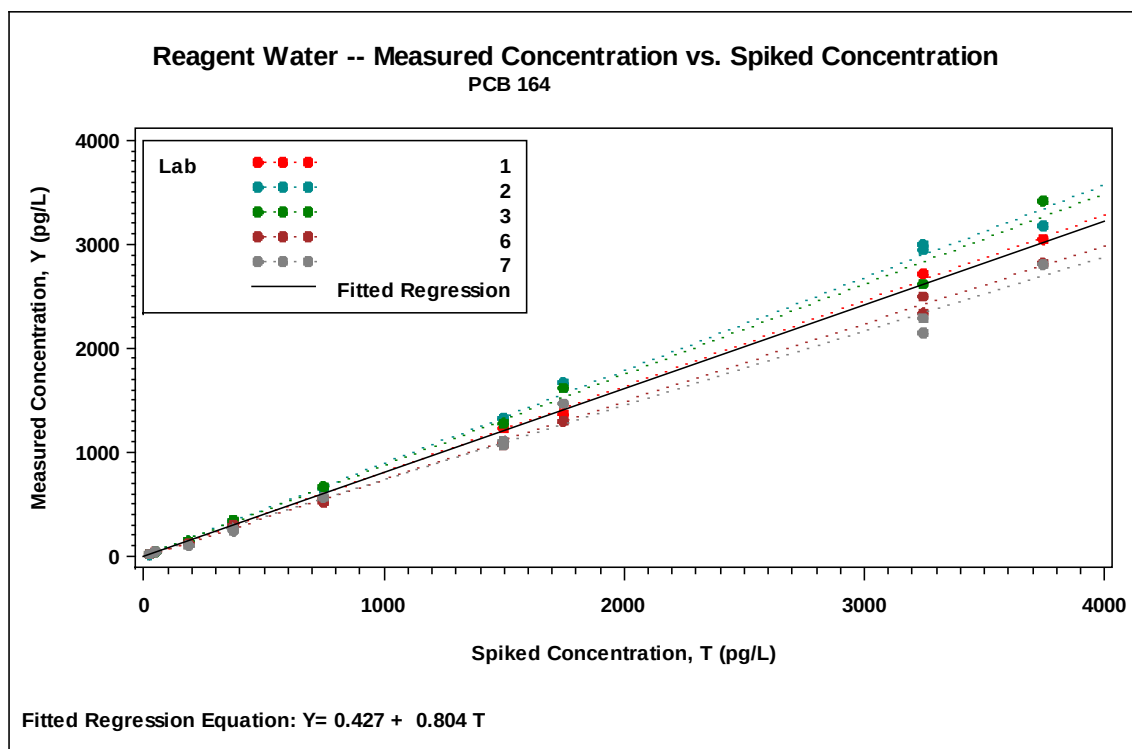


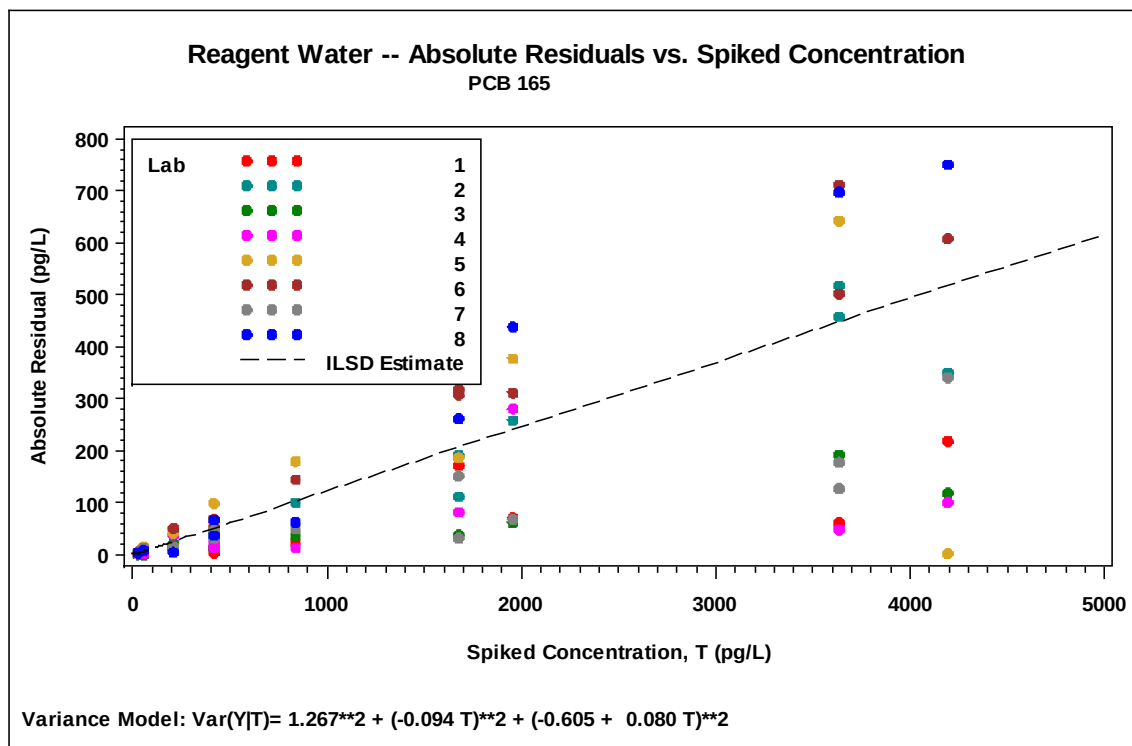
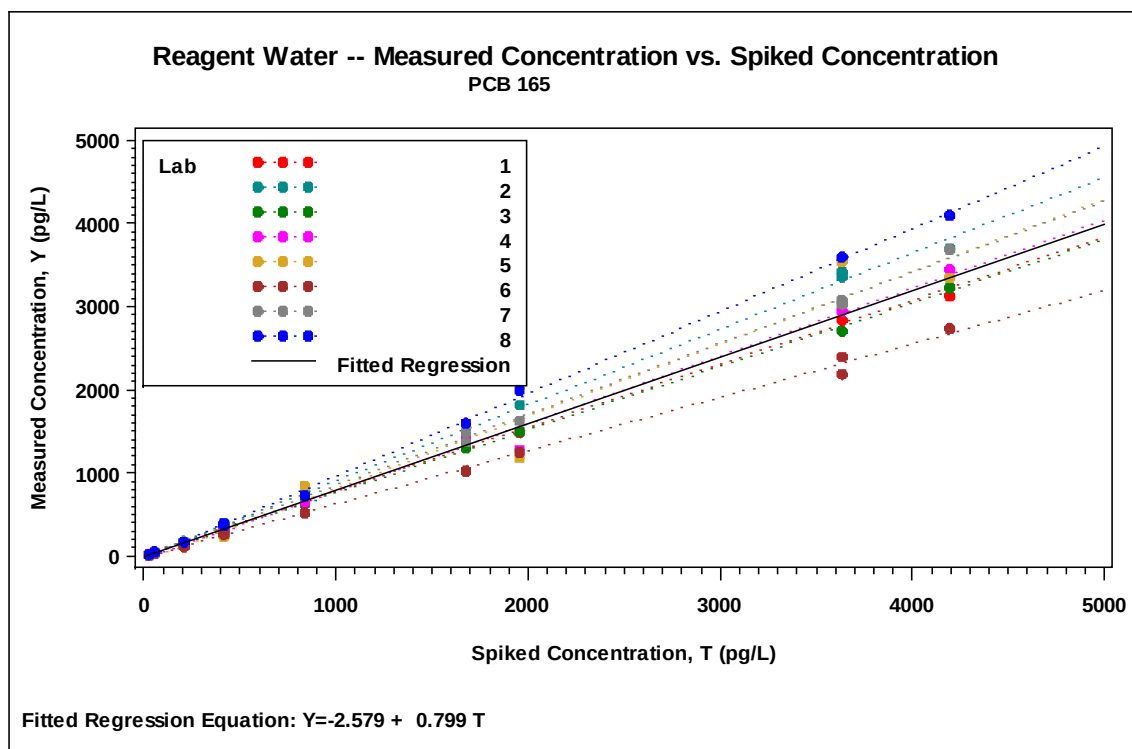


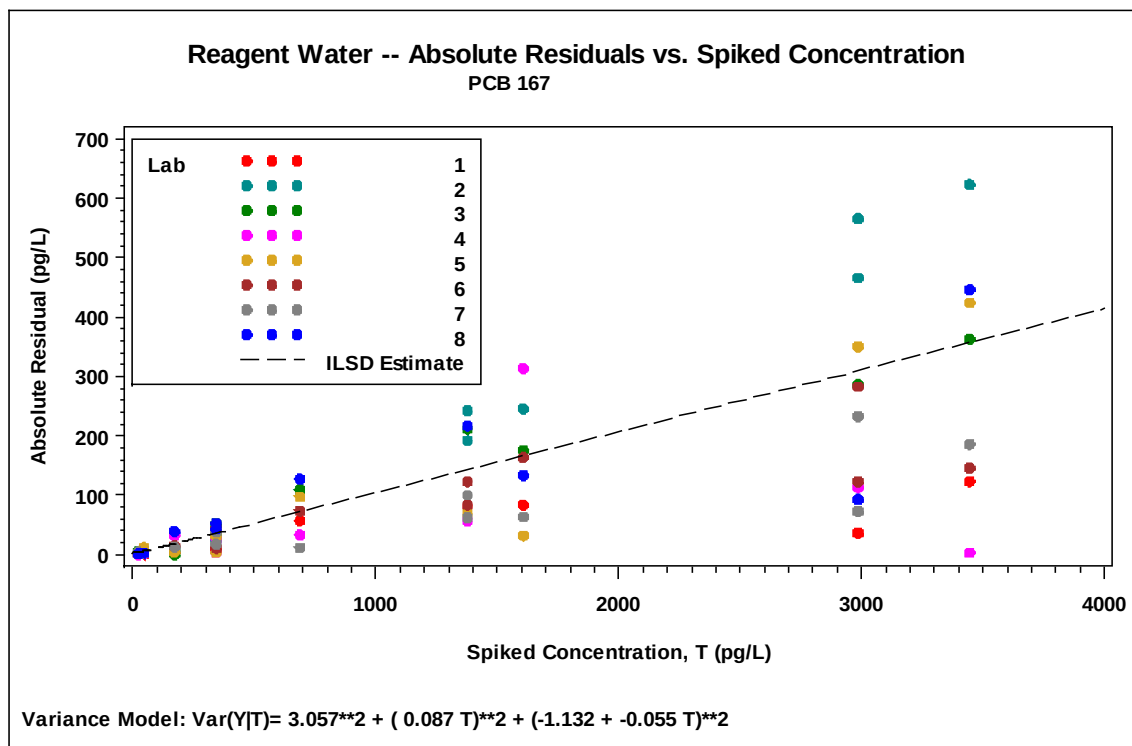
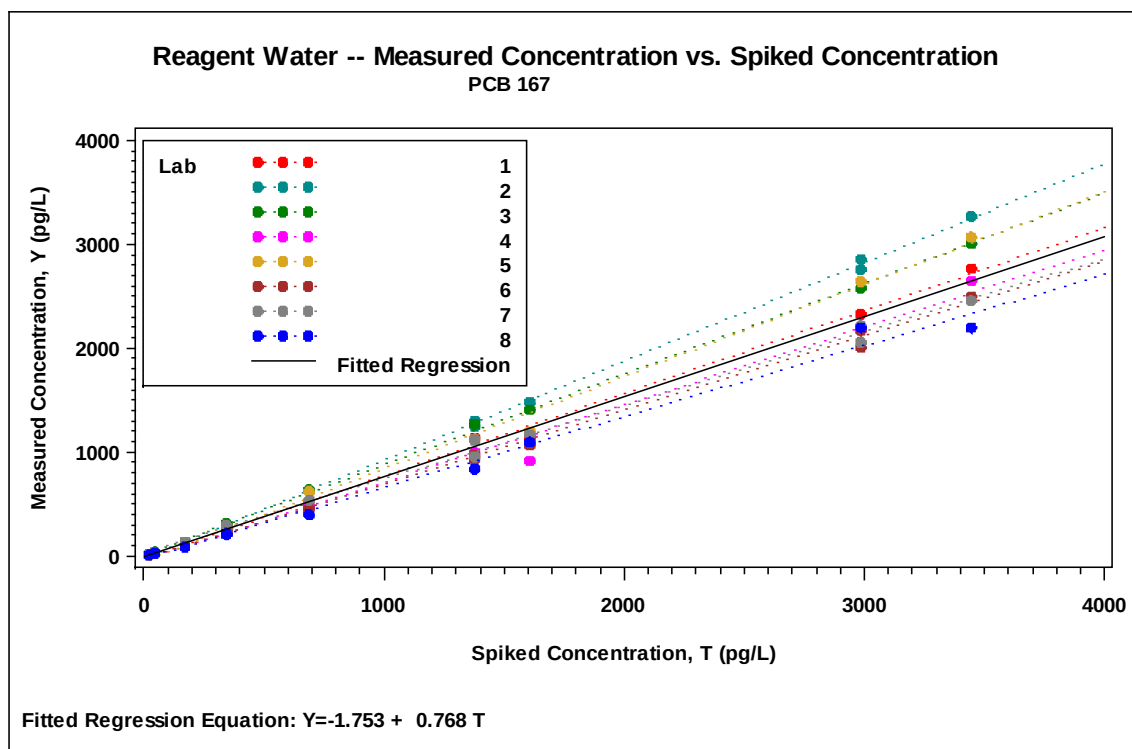


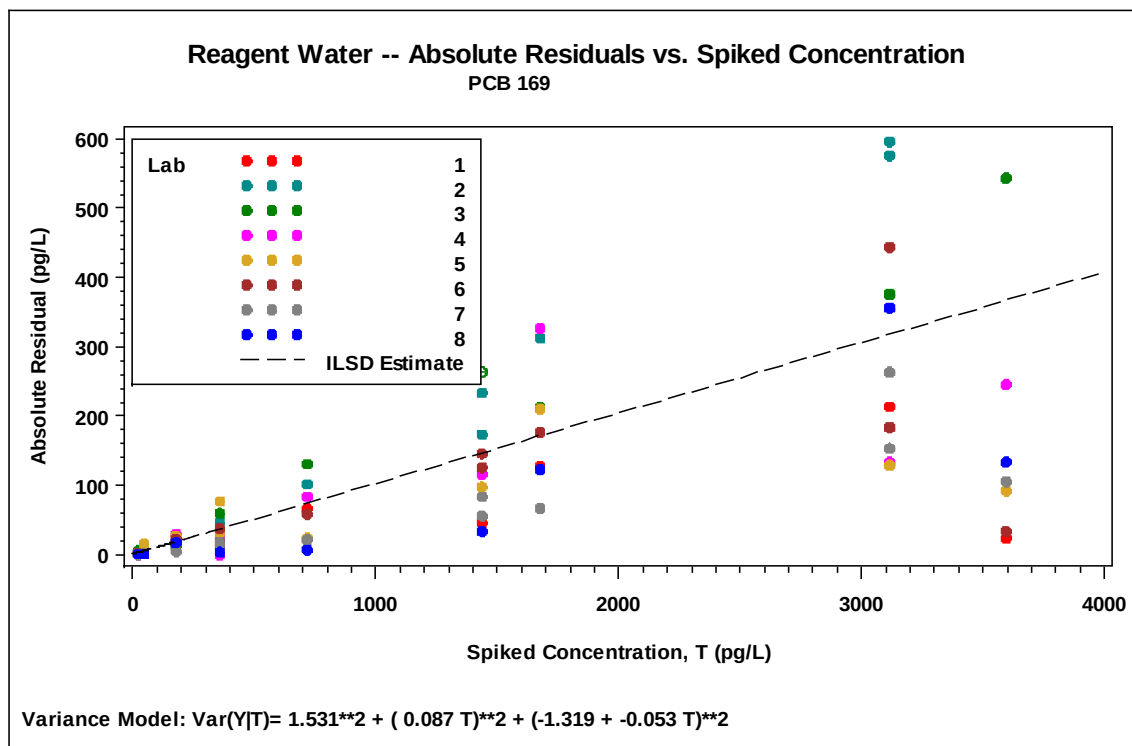
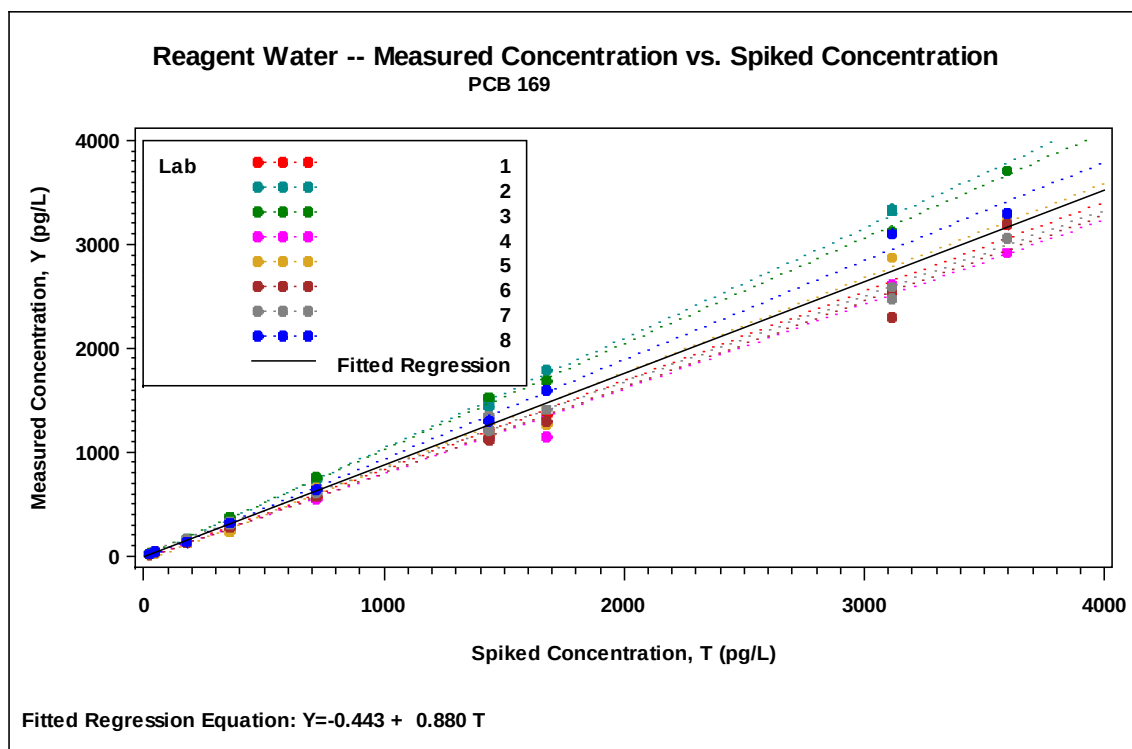


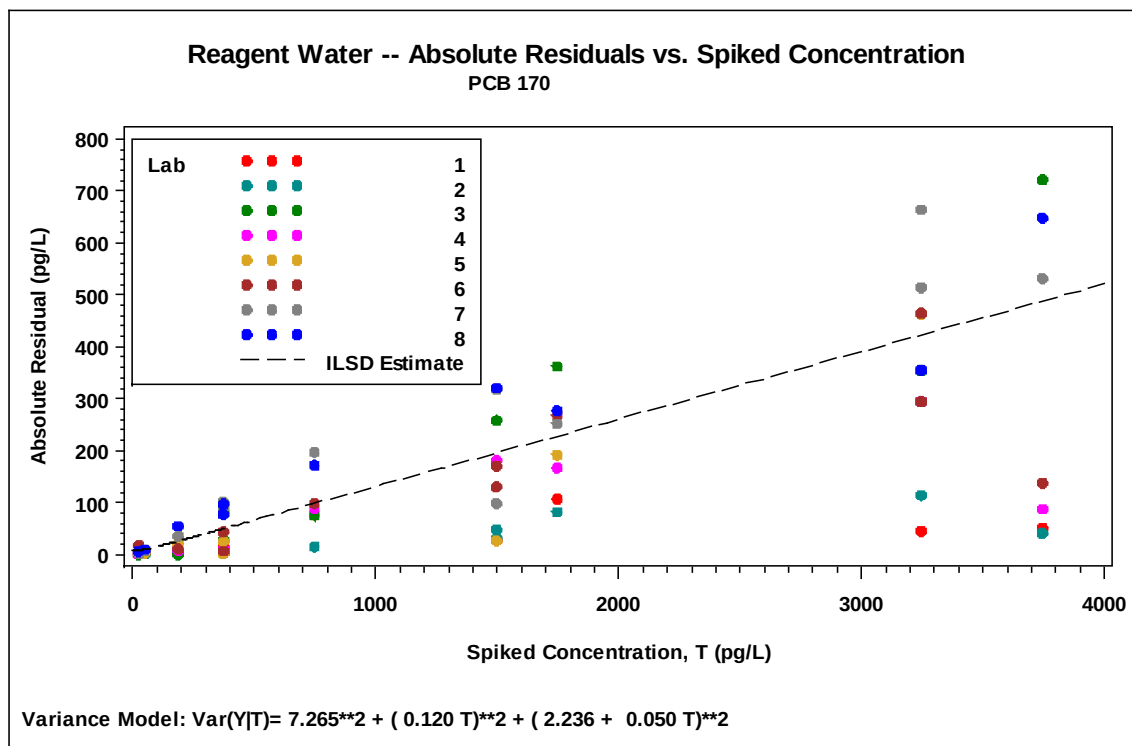
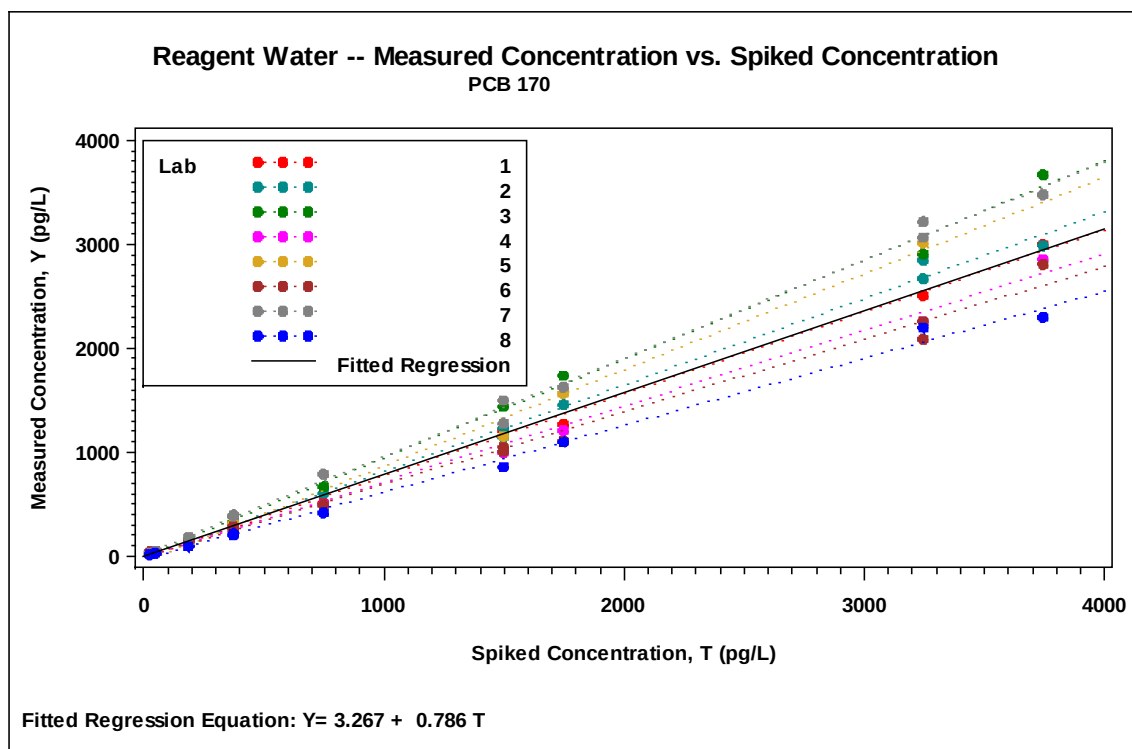




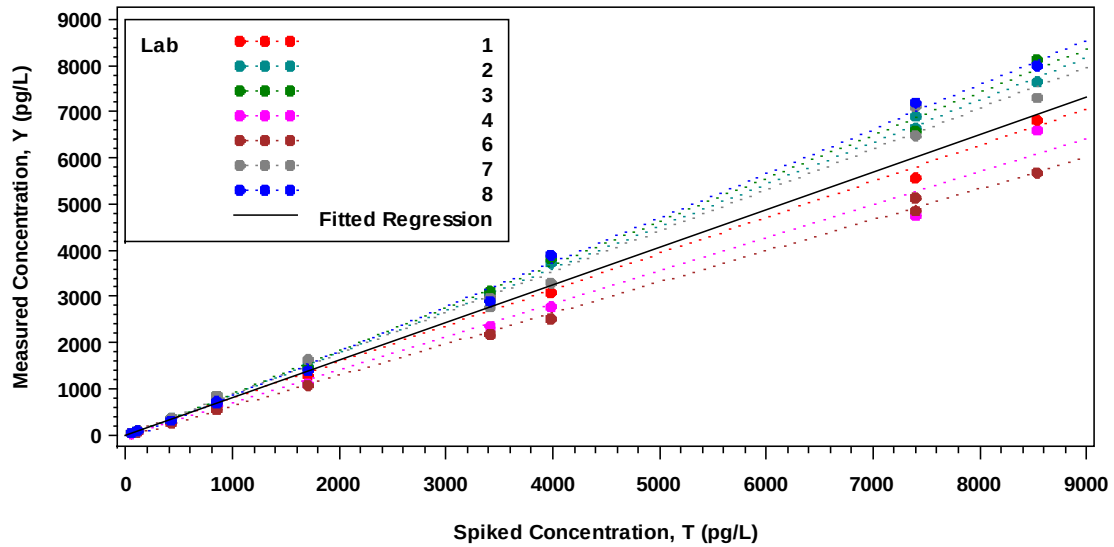






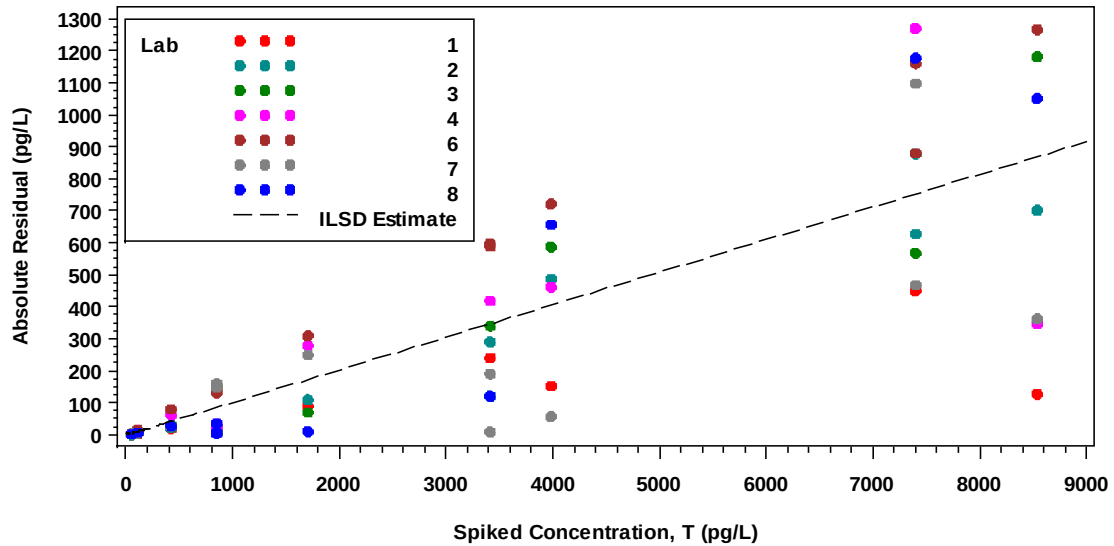


Reagent Water -- Measured Concentration vs. Spiked Concentration
PCB 171/173

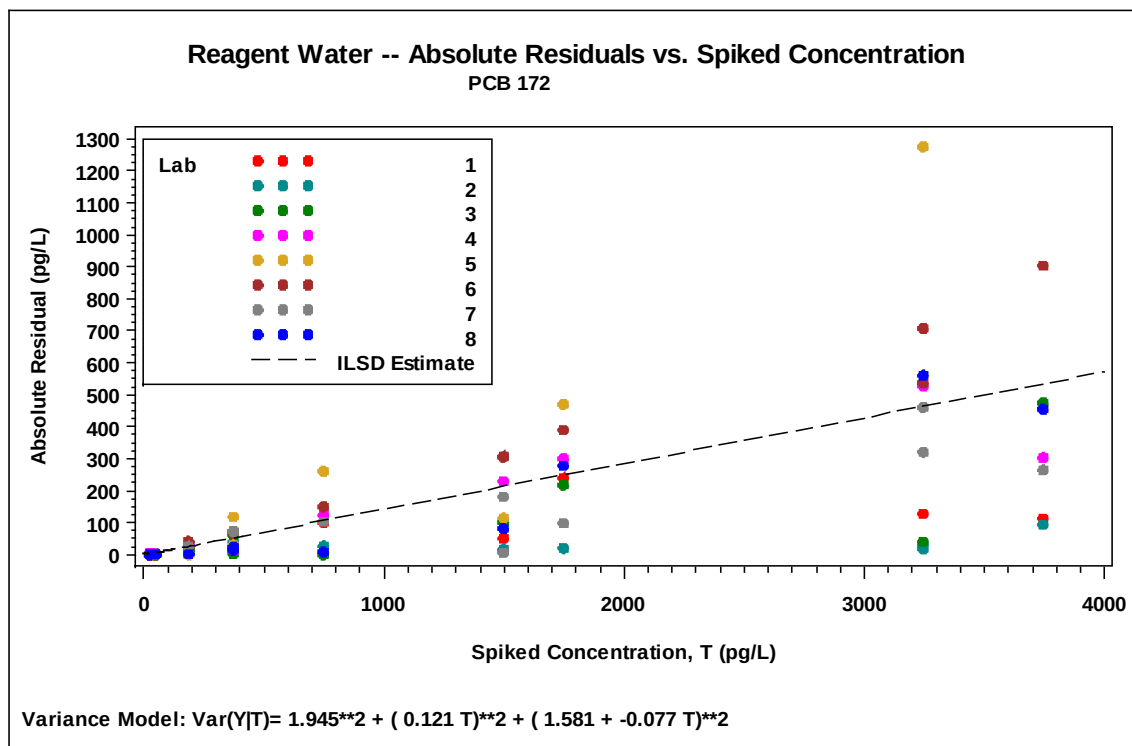
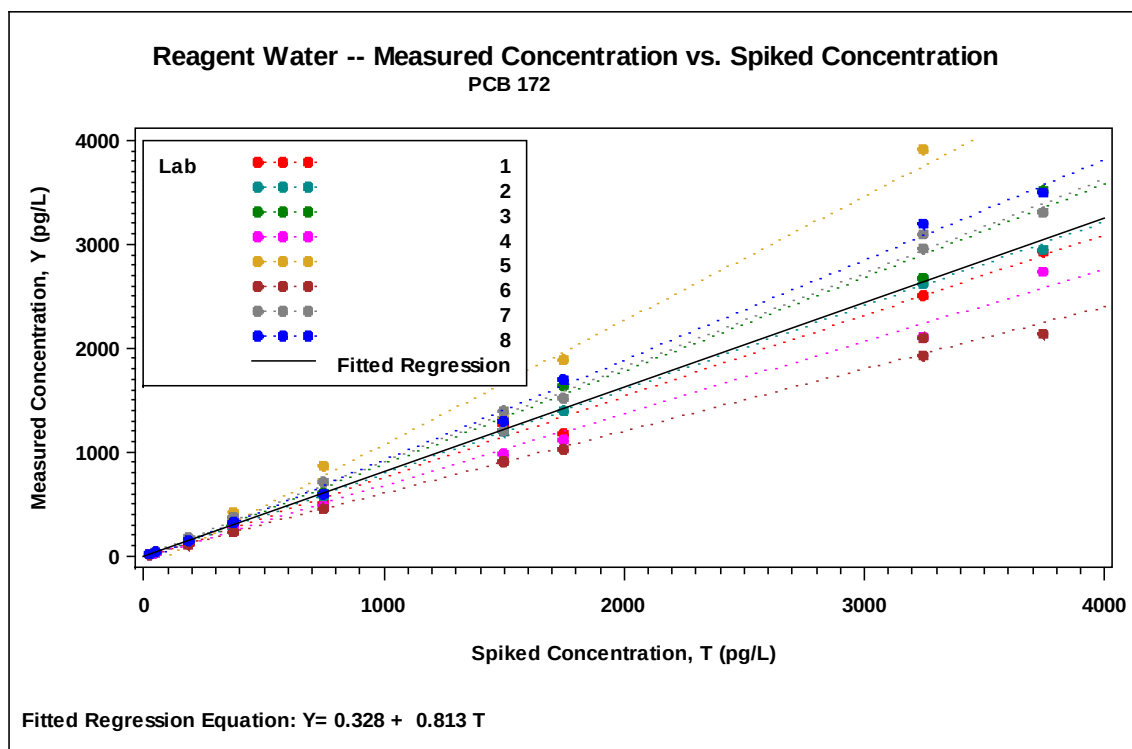


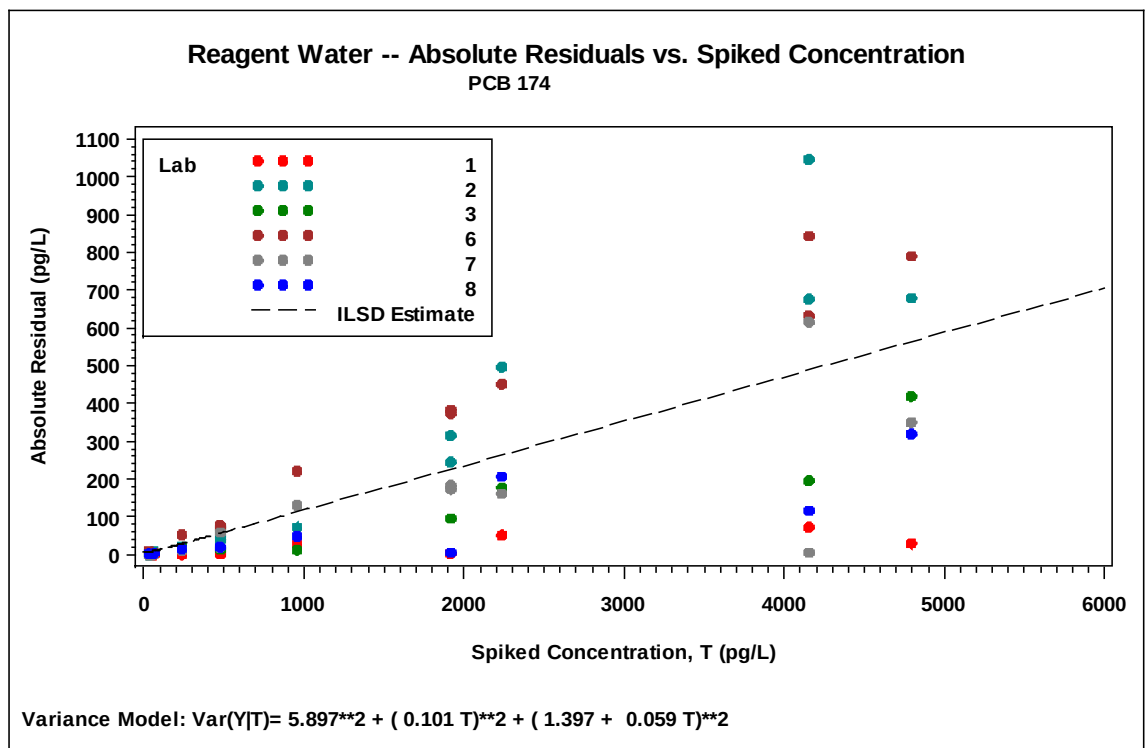
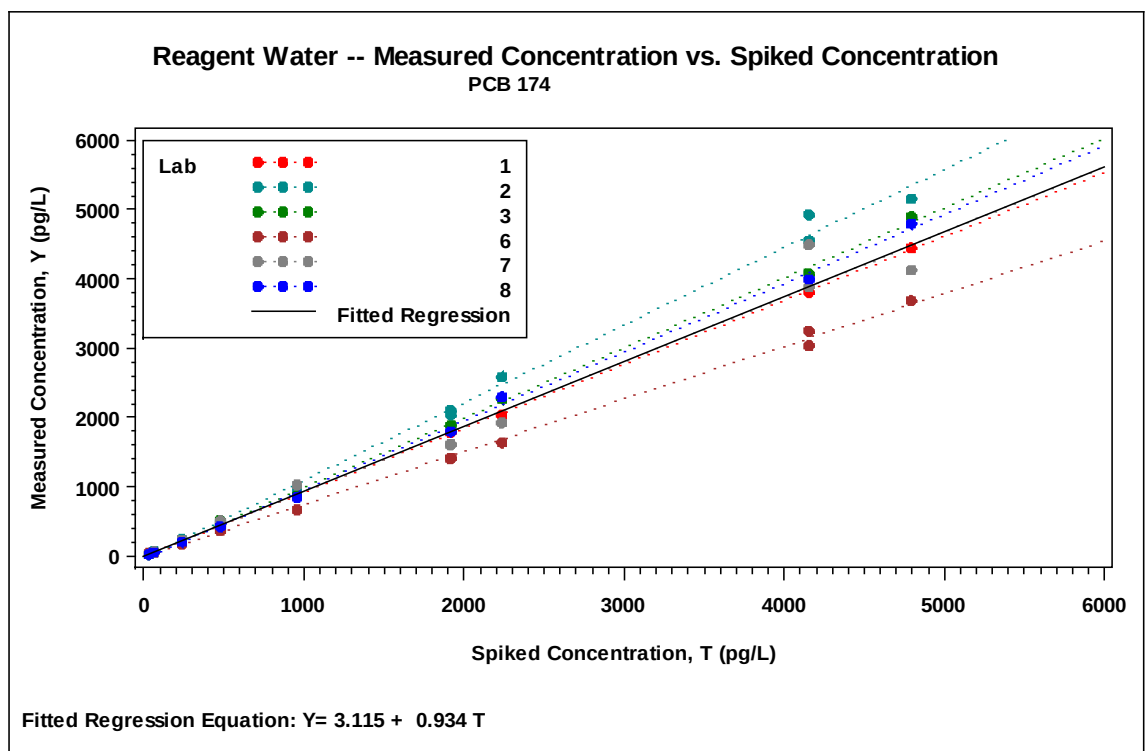
Fitted Regression Equation: $Y = 0.361 + 0.813 T$

Reagent Water -- Absolute Residuals vs. Spiked Concentration
PCB 171/173

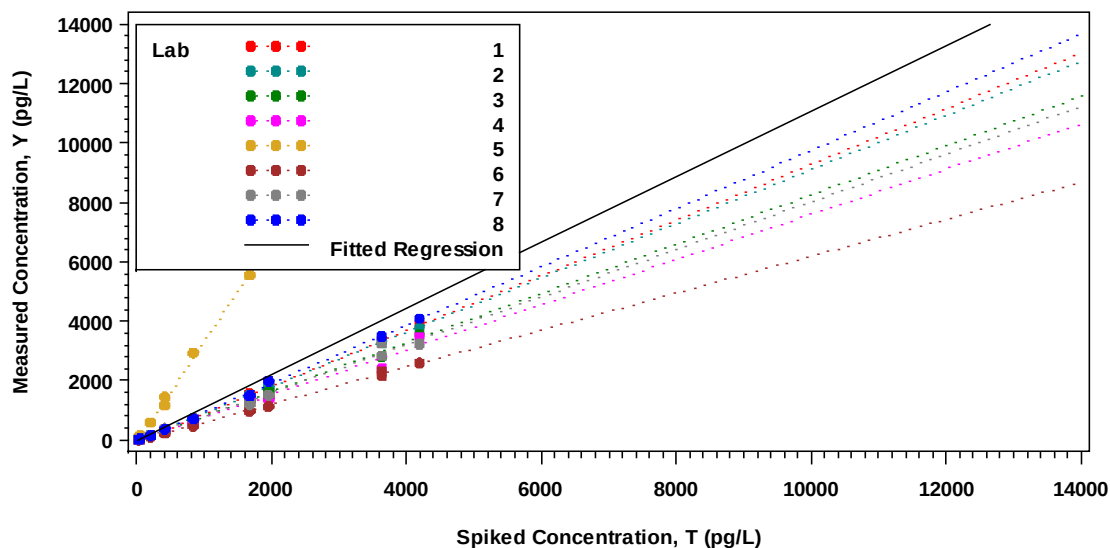


Variance Model: $\text{Var}(Y|T) = 1.130^{**2} + (-0.082 T)^{**2} + (2.687 + -0.061 T)^{**2}$



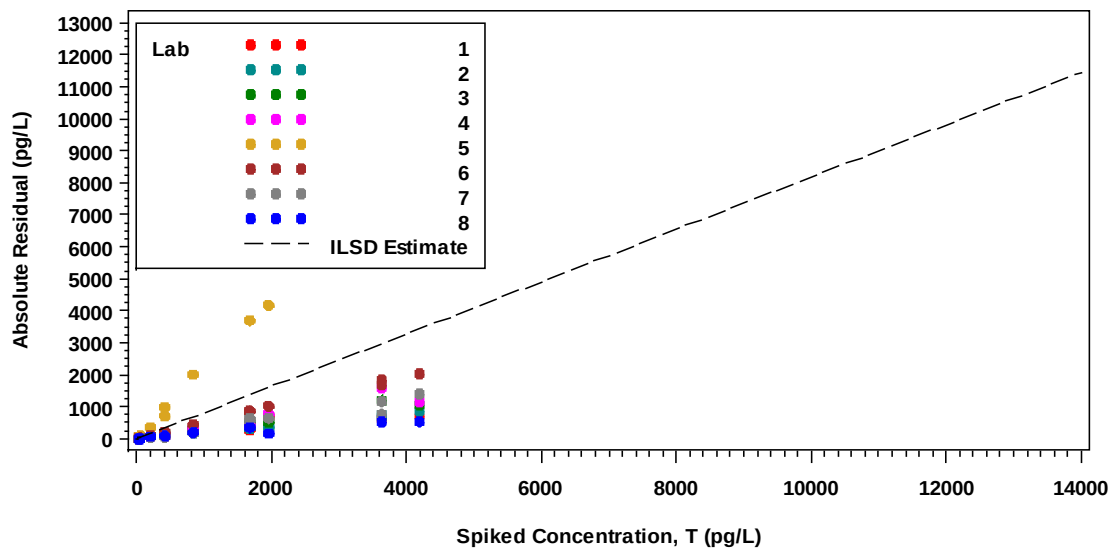


Reagent Water -- Measured Concentration vs. Spiked Concentration
PCB 175

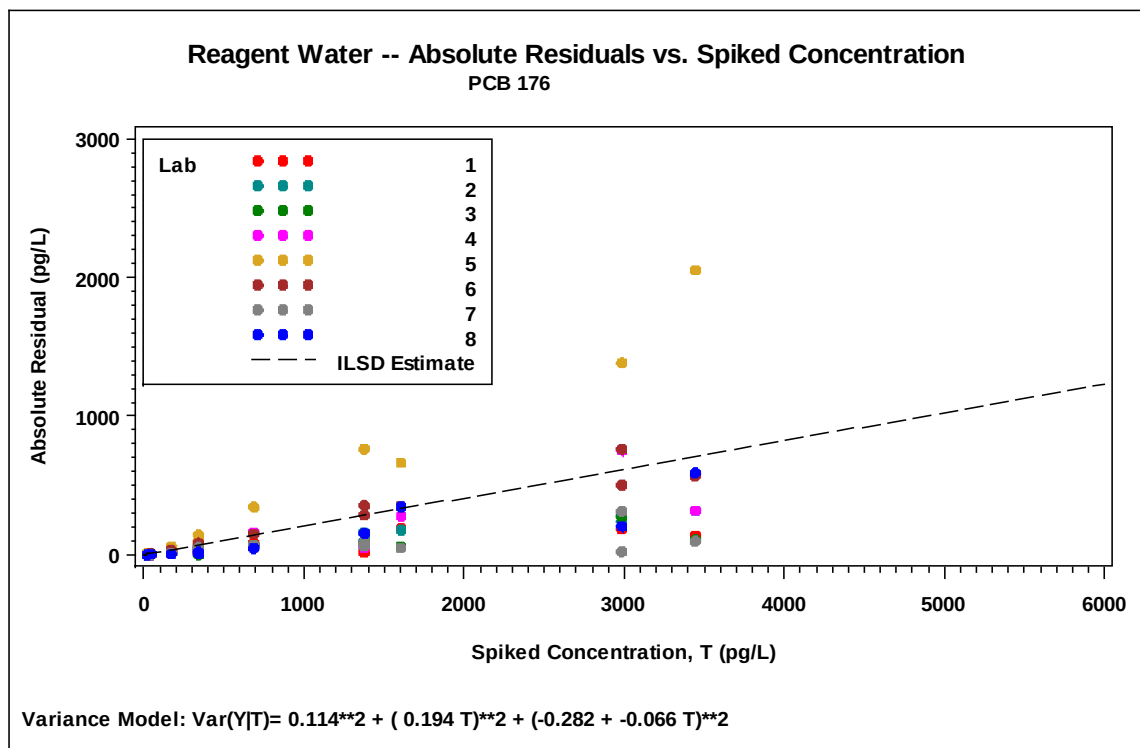
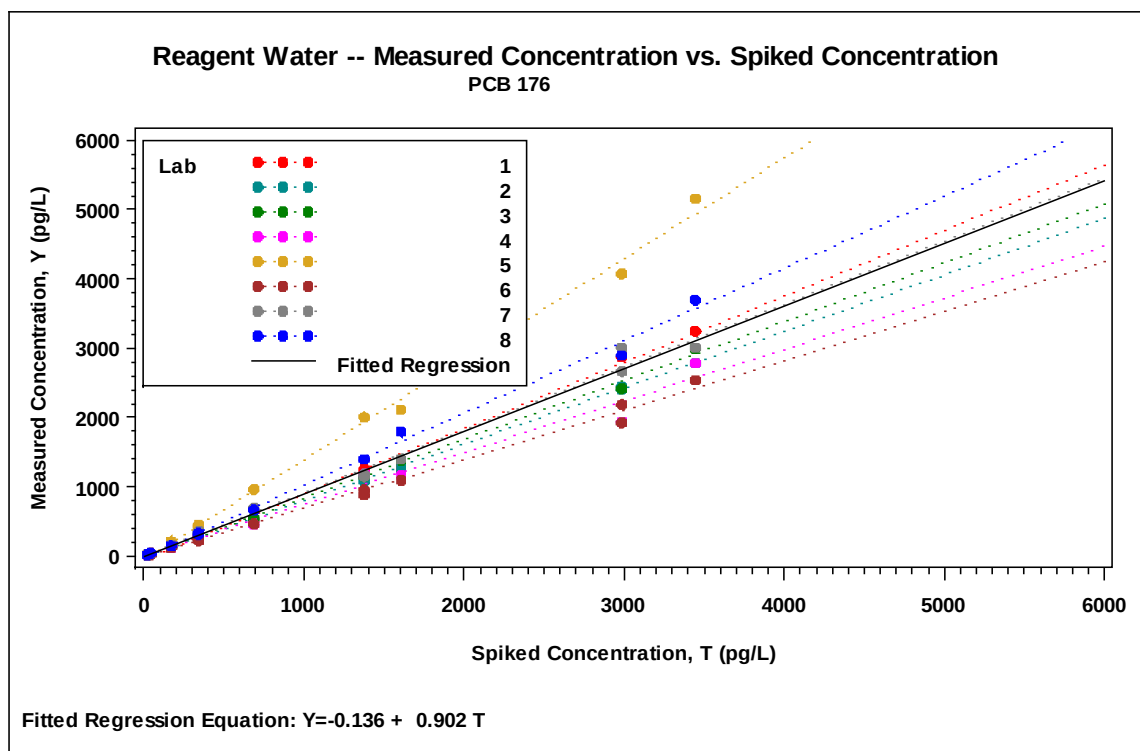


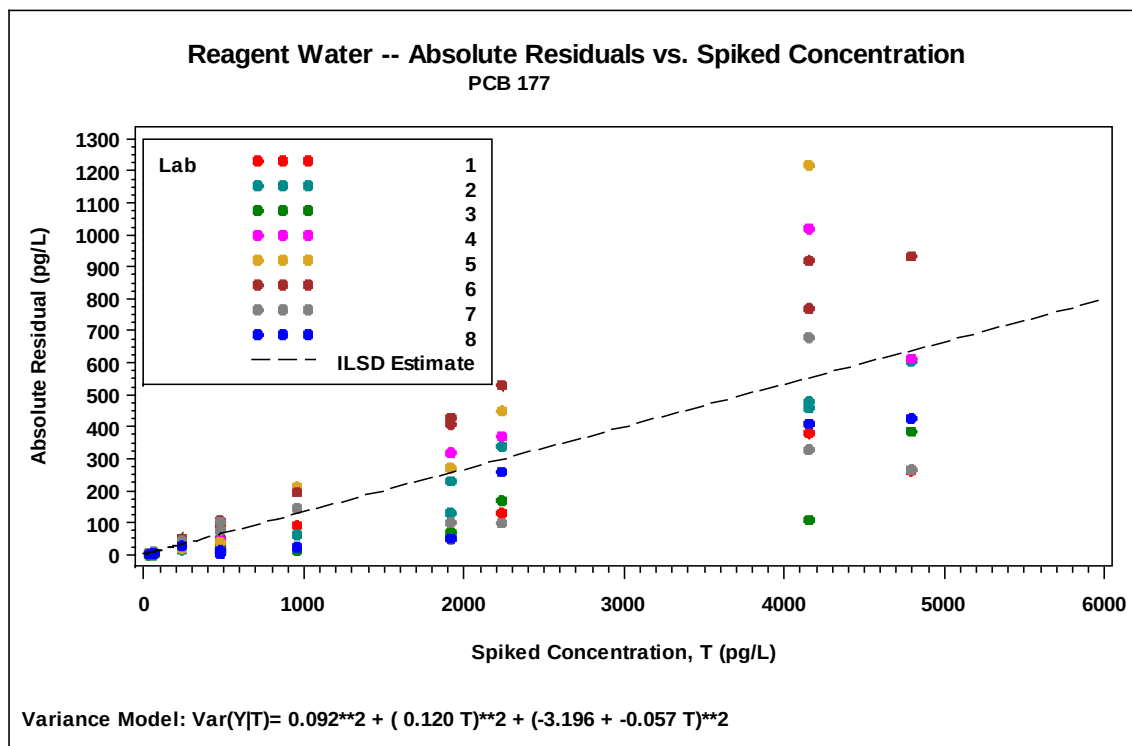
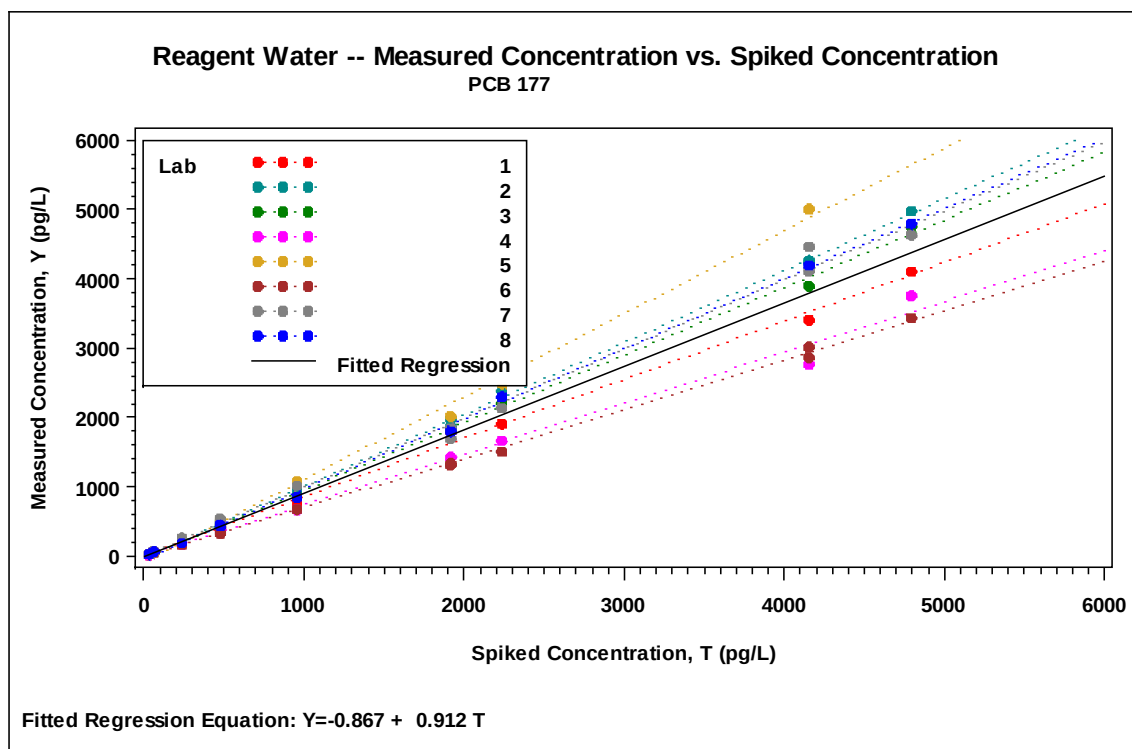
Fitted Regression Equation: $Y = -0.744 + 1.107 T$

Reagent Water -- Absolute Residuals vs. Spiked Concentration
PCB 175

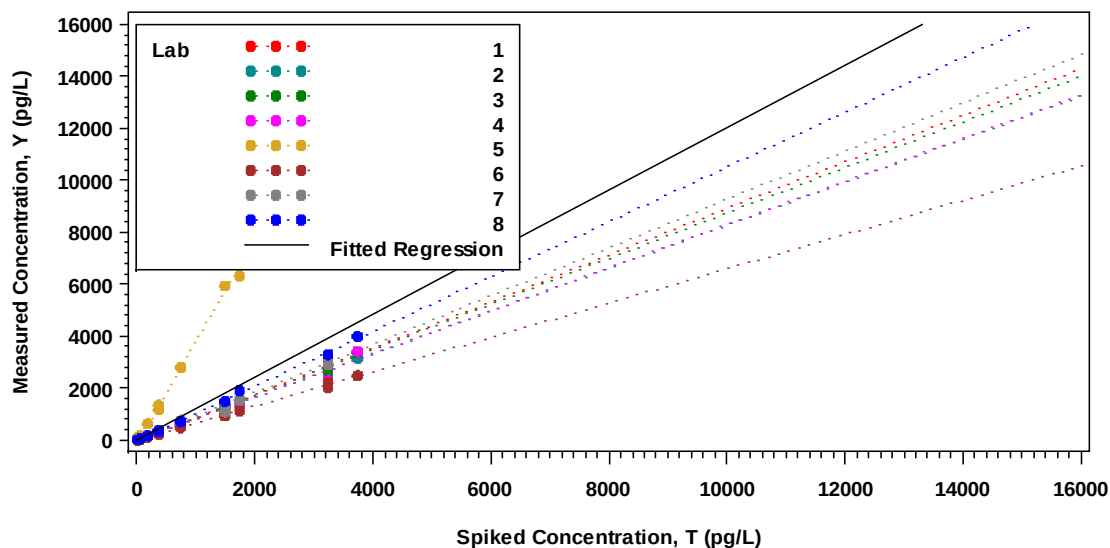


Variance Model: $\text{Var}(Y|T) = 0.008^{**2} + (0.811 T)^{**2} + (0.922 + 0.107 T)^{**2}$



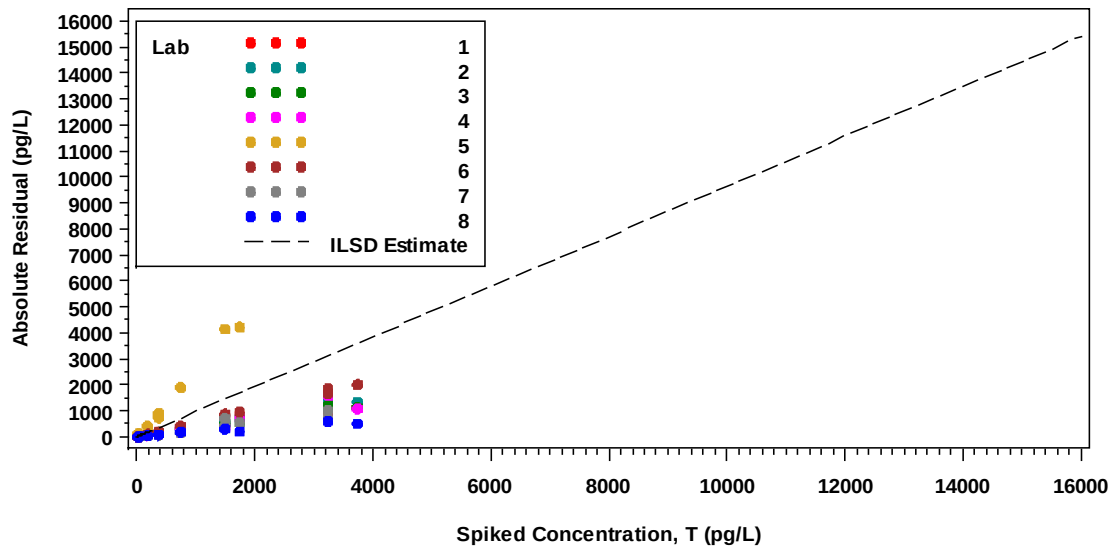


Reagent Water -- Measured Concentration vs. Spiked Concentration PCB 178

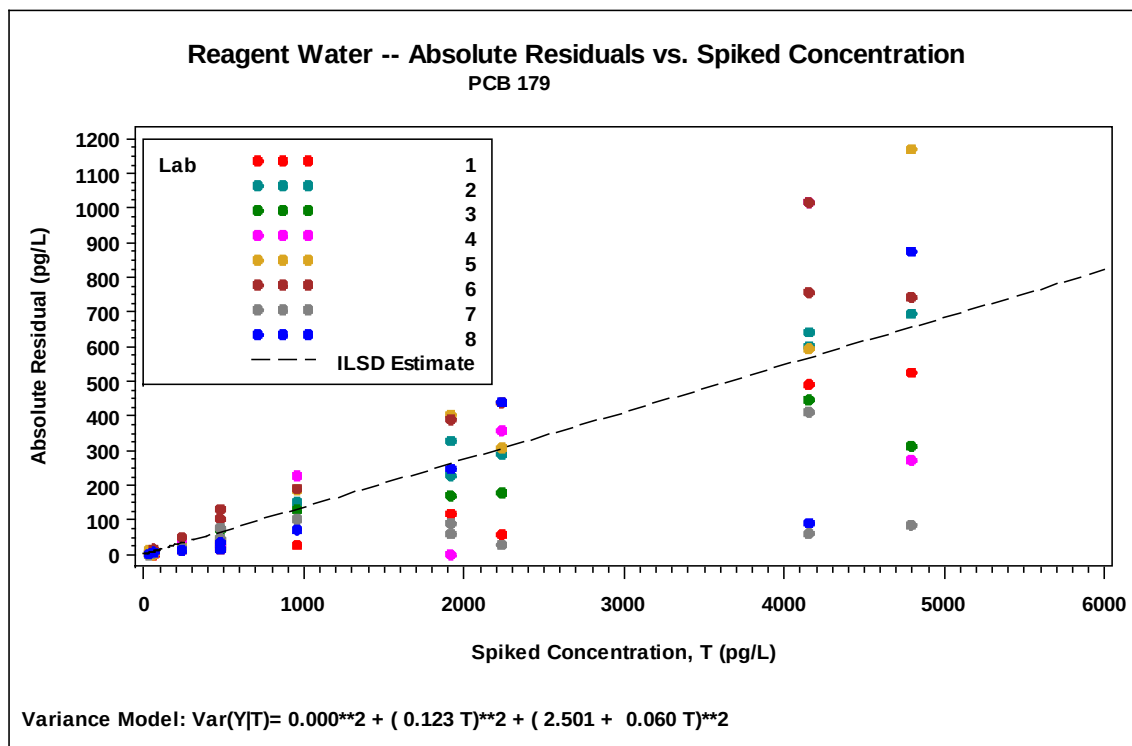
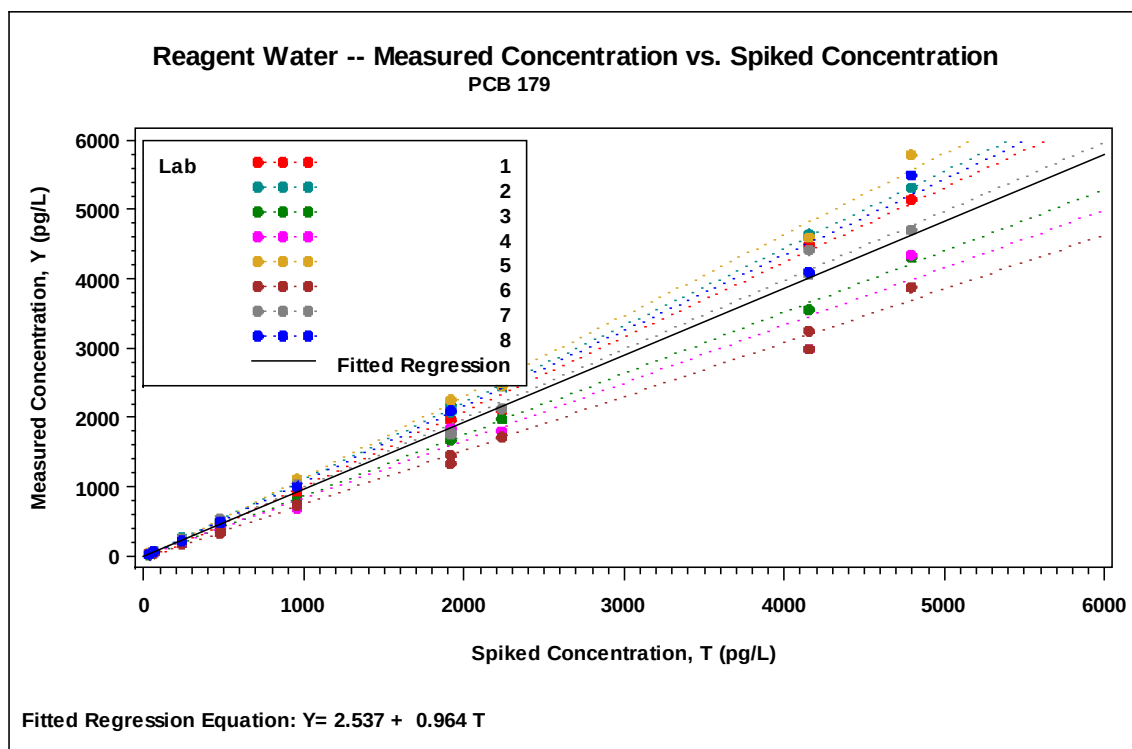


Fitted Regression Equation: $Y = 0.725 + 1.203 T$

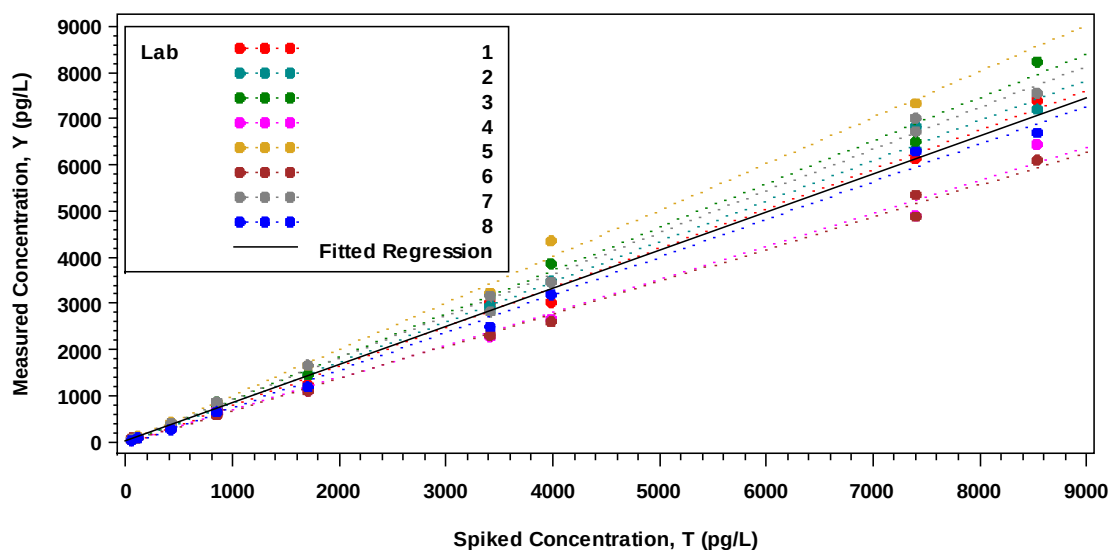
Reagent Water -- Absolute Residuals vs. Spiked Concentration PCB 178



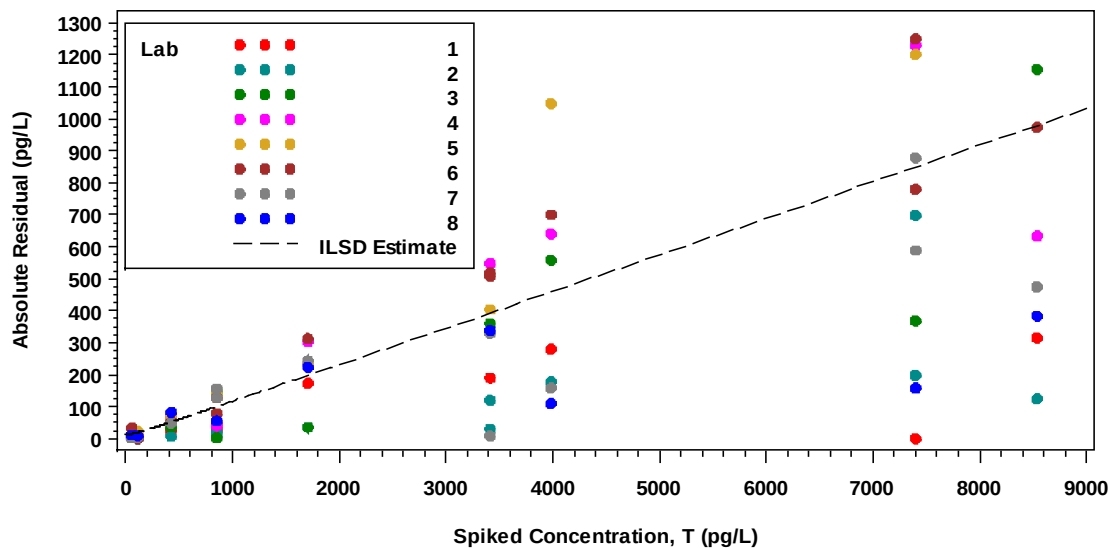
Variance Model: $\text{Var}(Y|T) = -0.001 T^2 + (0.958 T)^2 + (9.188 + 0.102 T)^2$

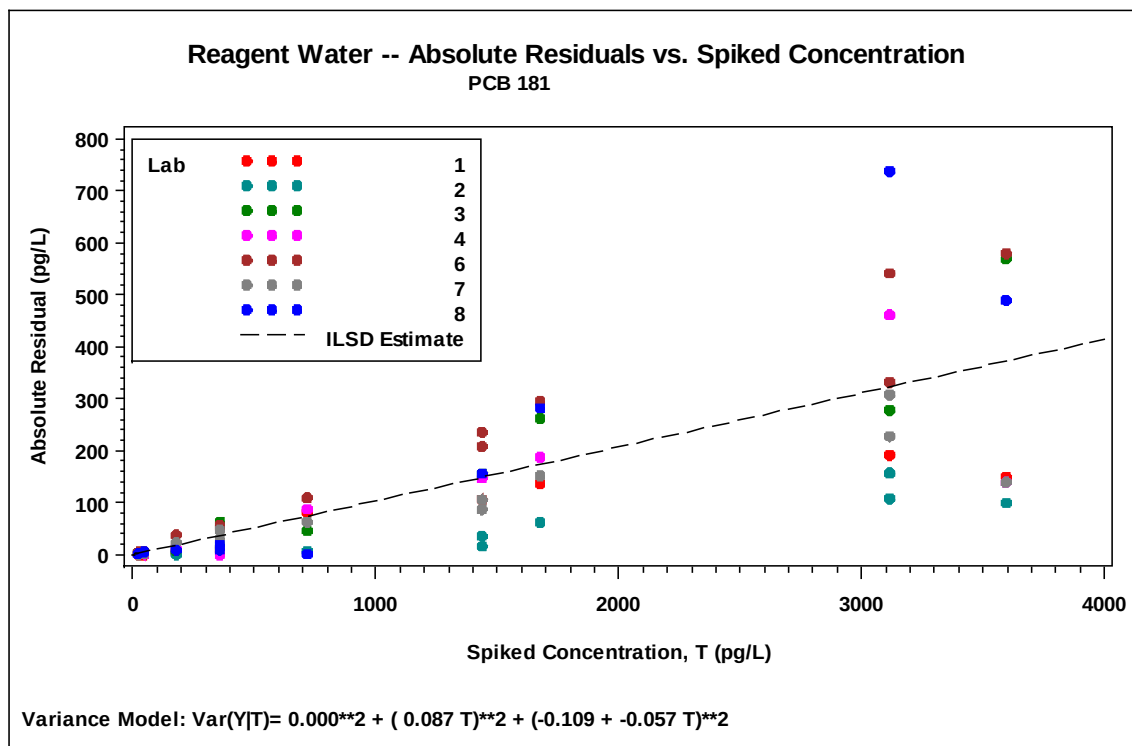
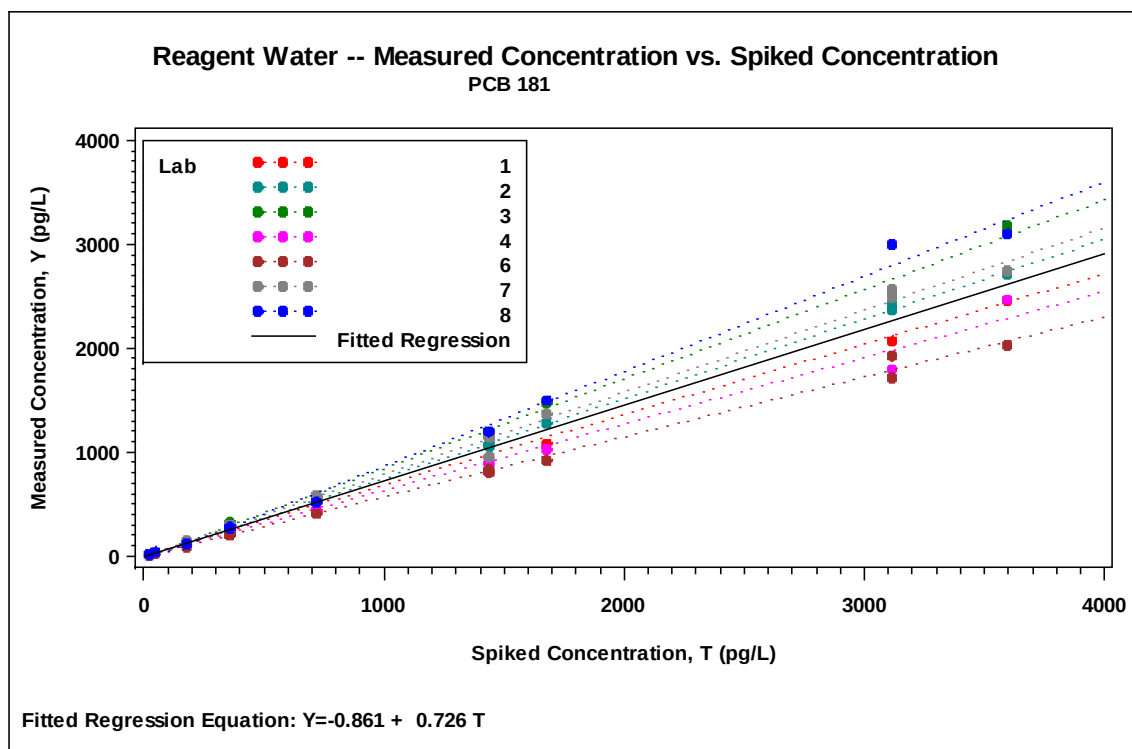


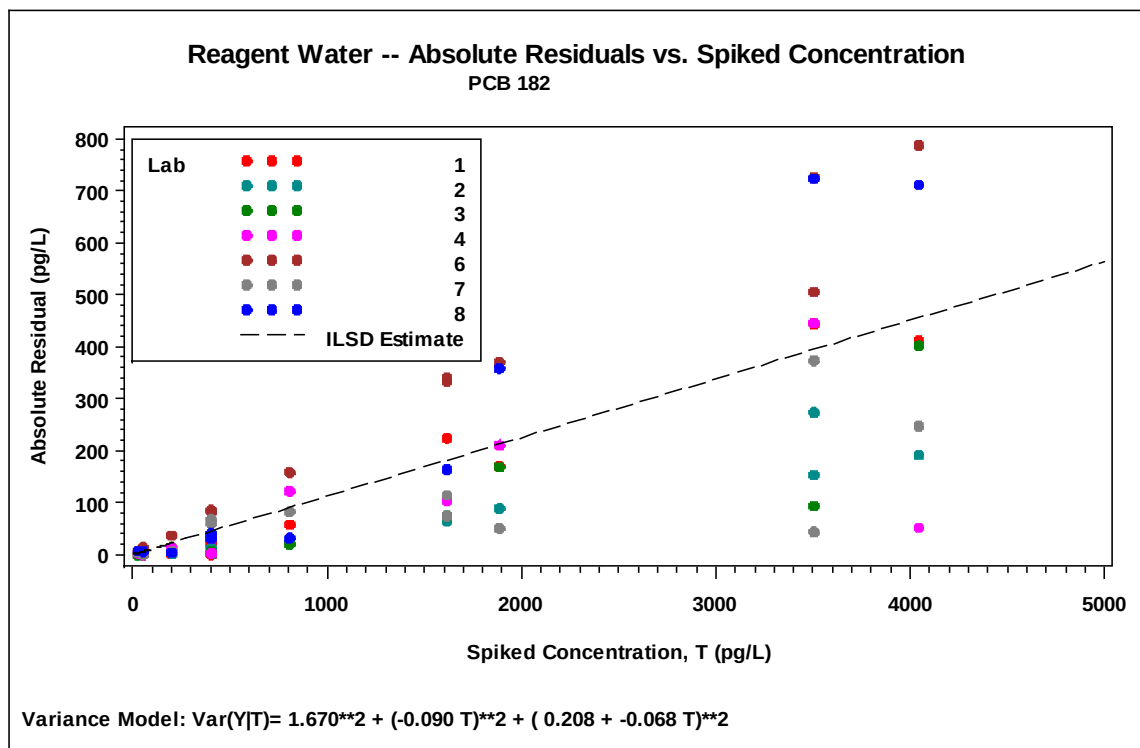
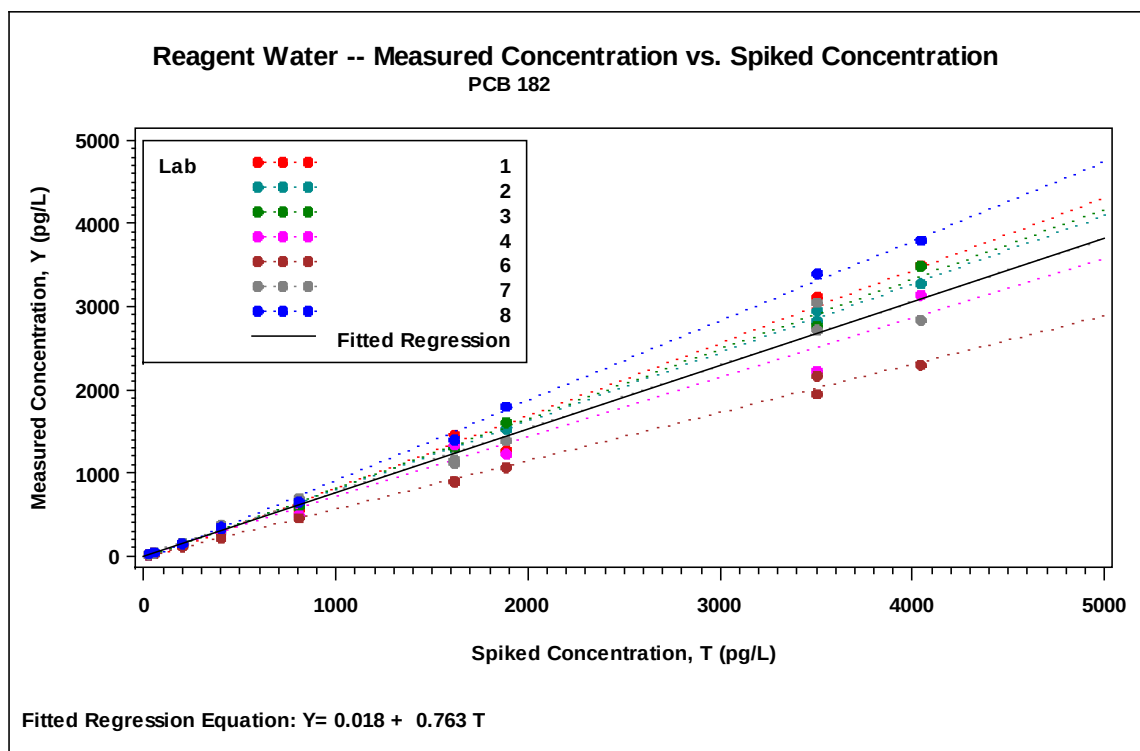
Reagent Water -- Measured Concentration vs. Spiked Concentration
PCB 180/193

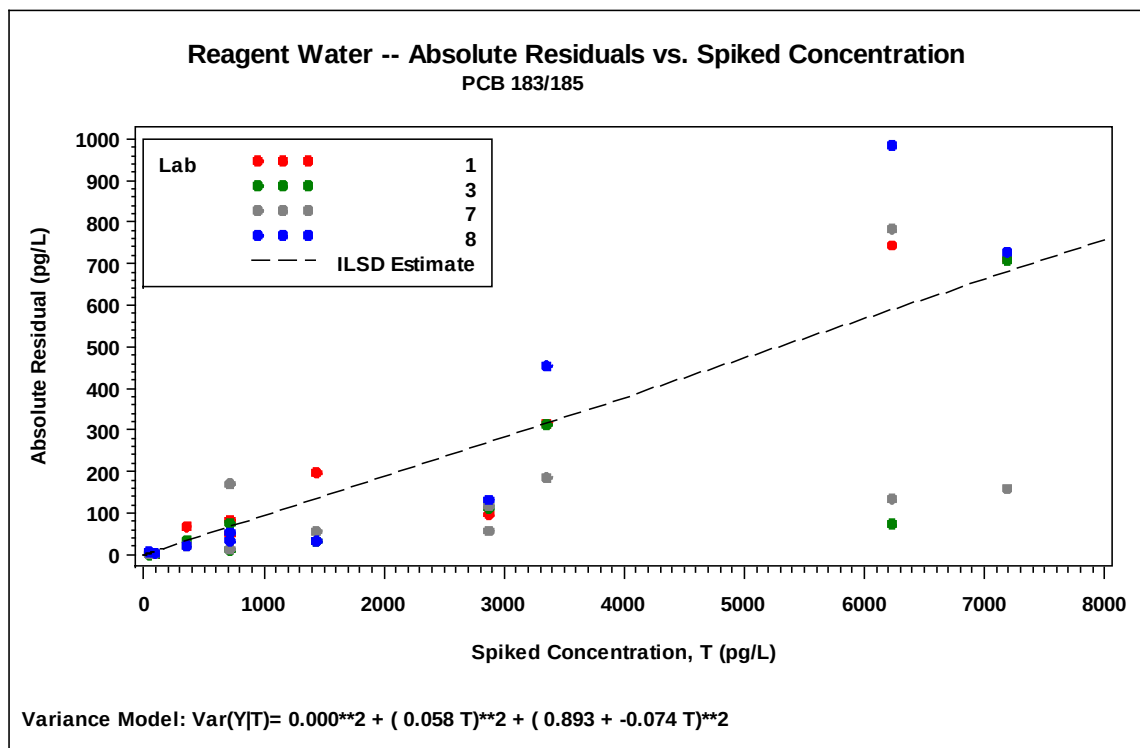
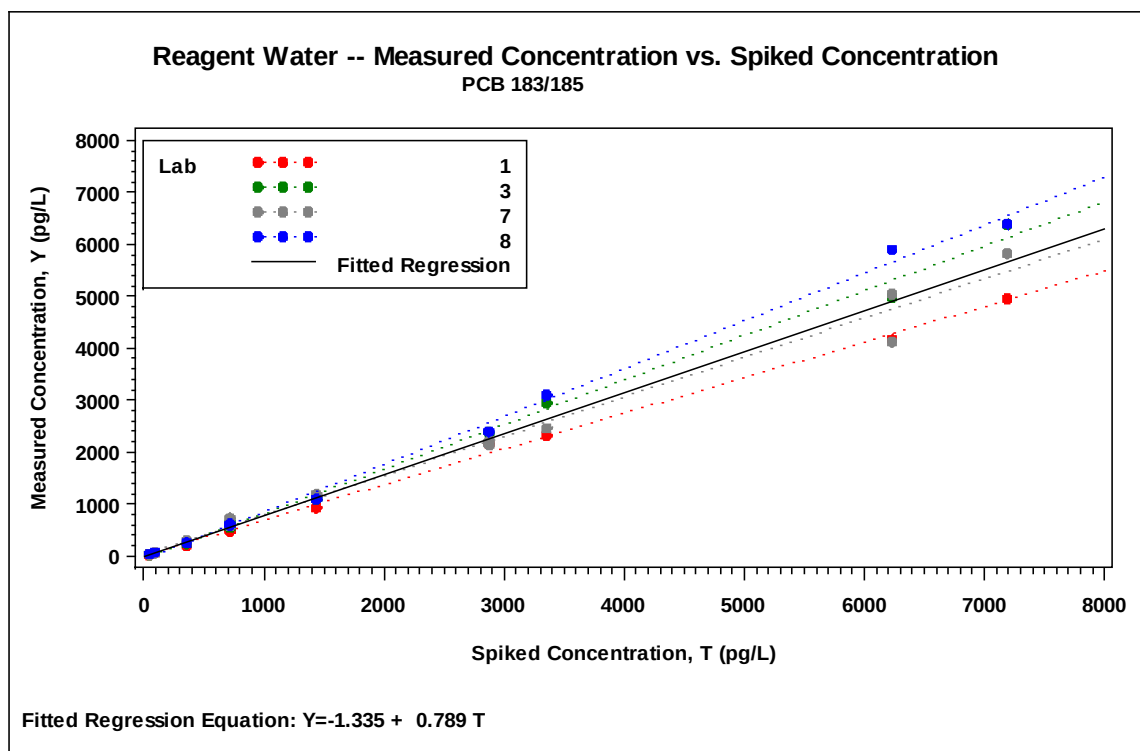


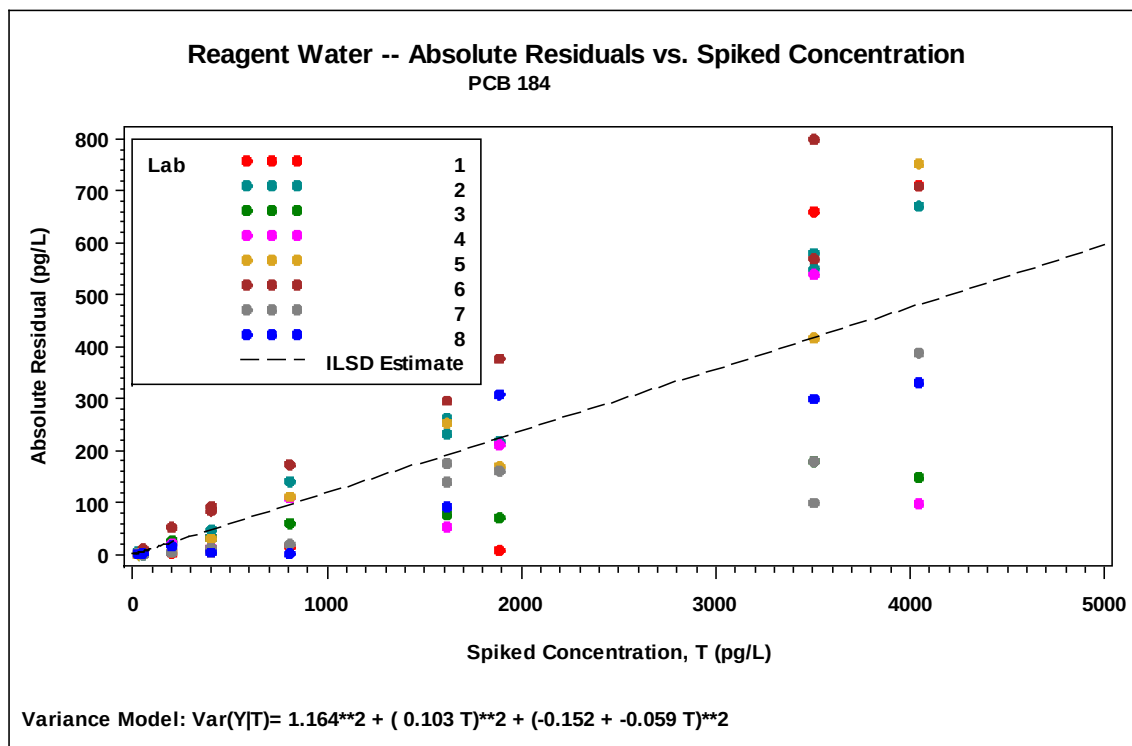
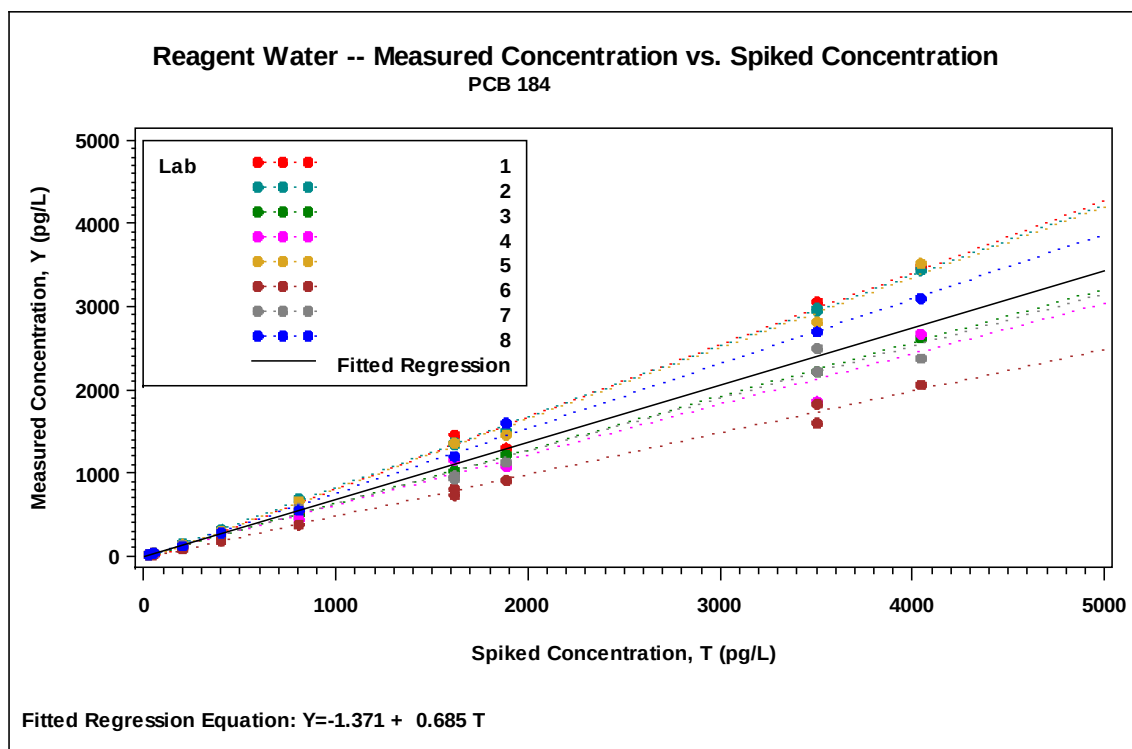
Reagent Water -- Absolute Residuals vs. Spiked Concentration
PCB 180/193

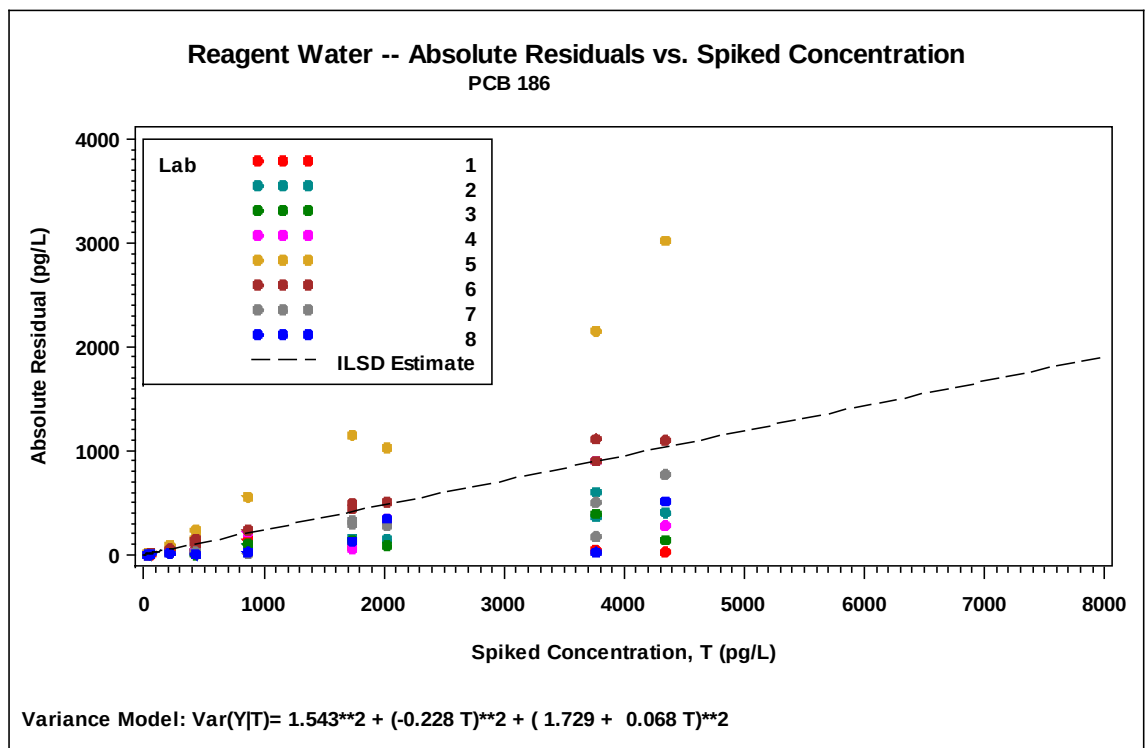
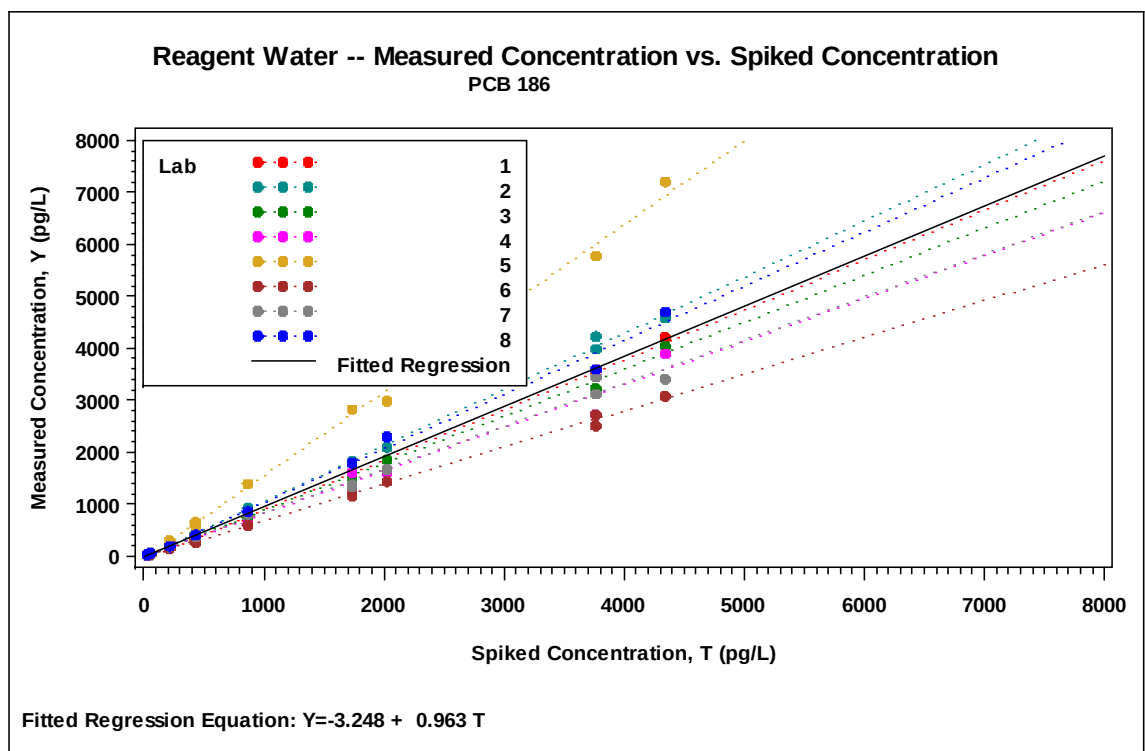


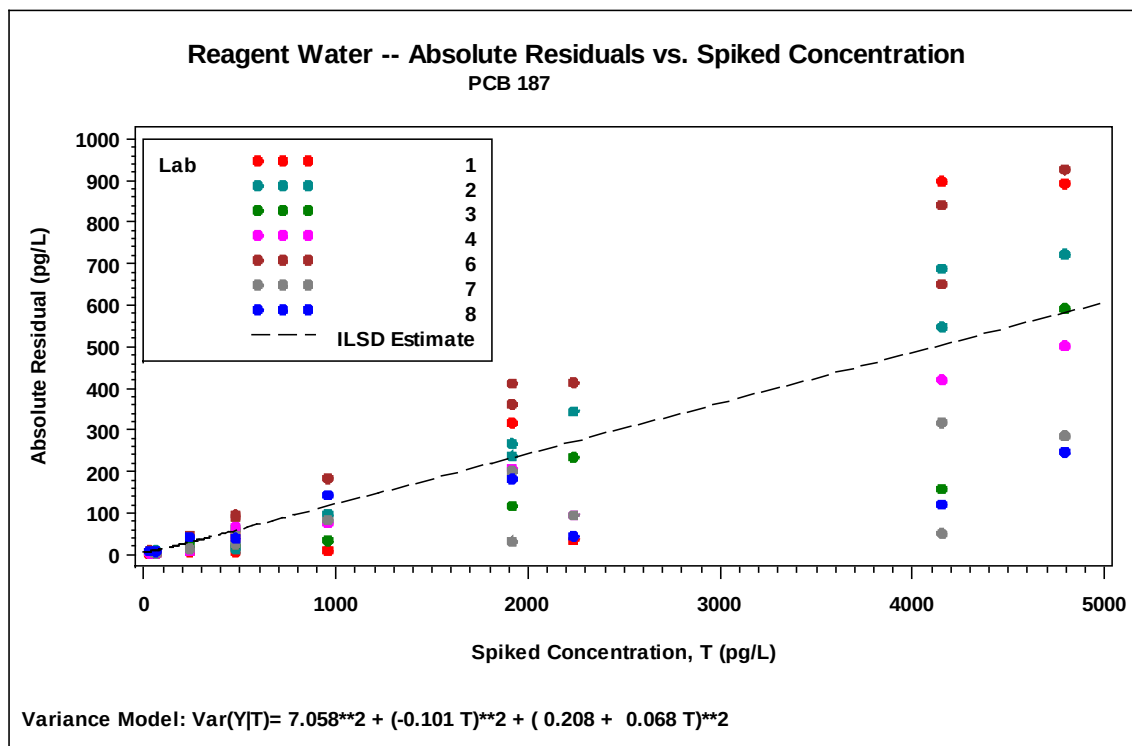
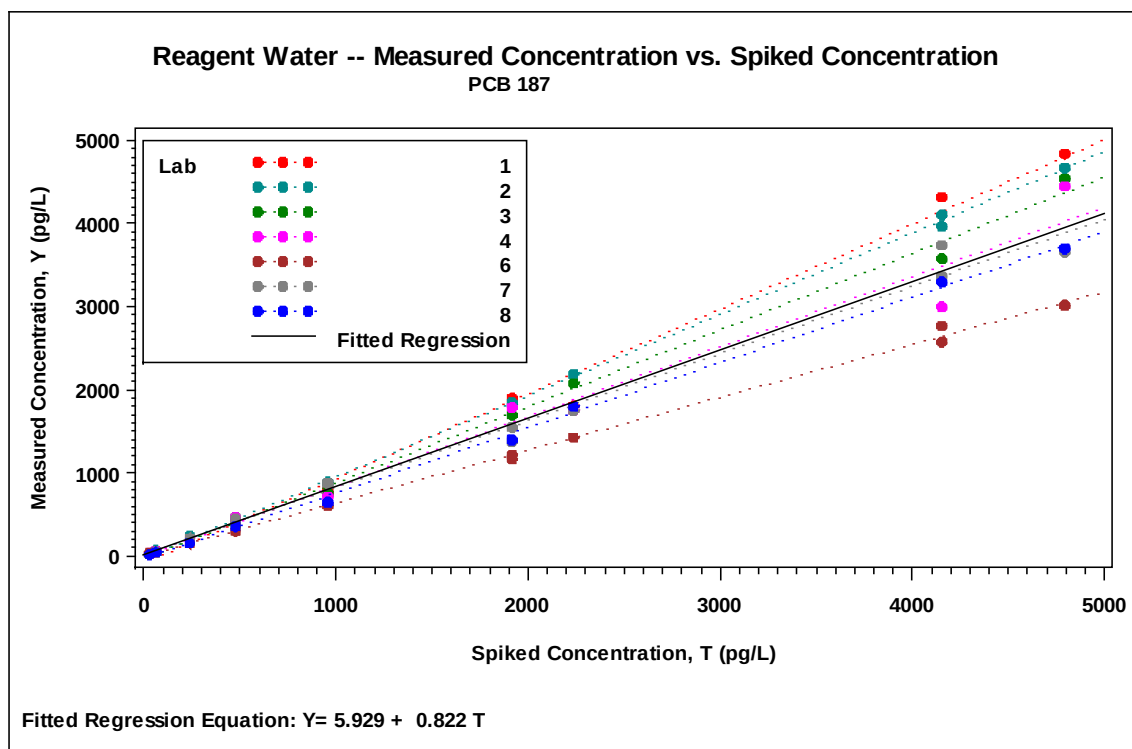


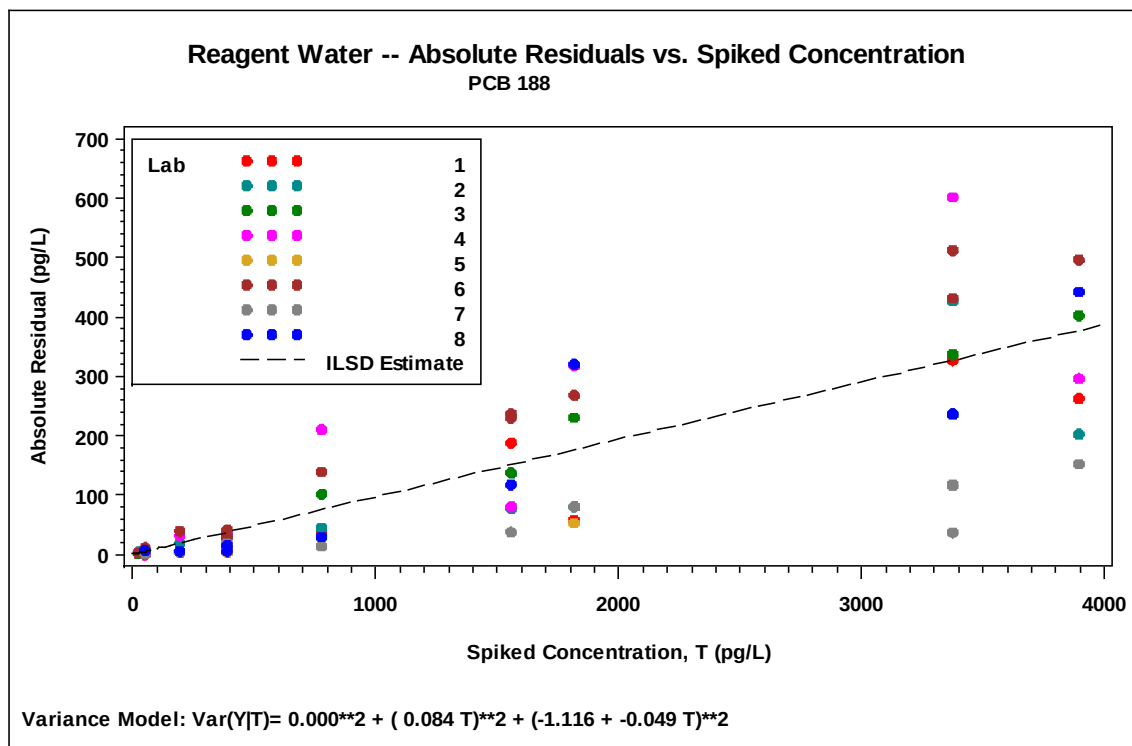
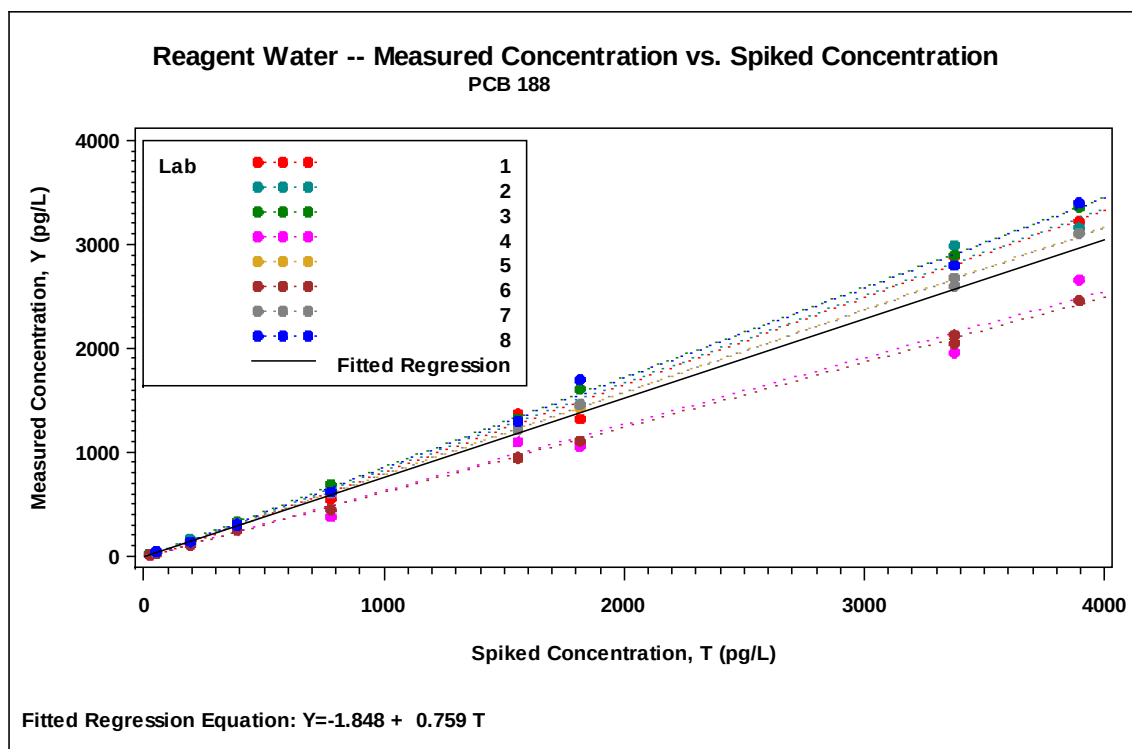


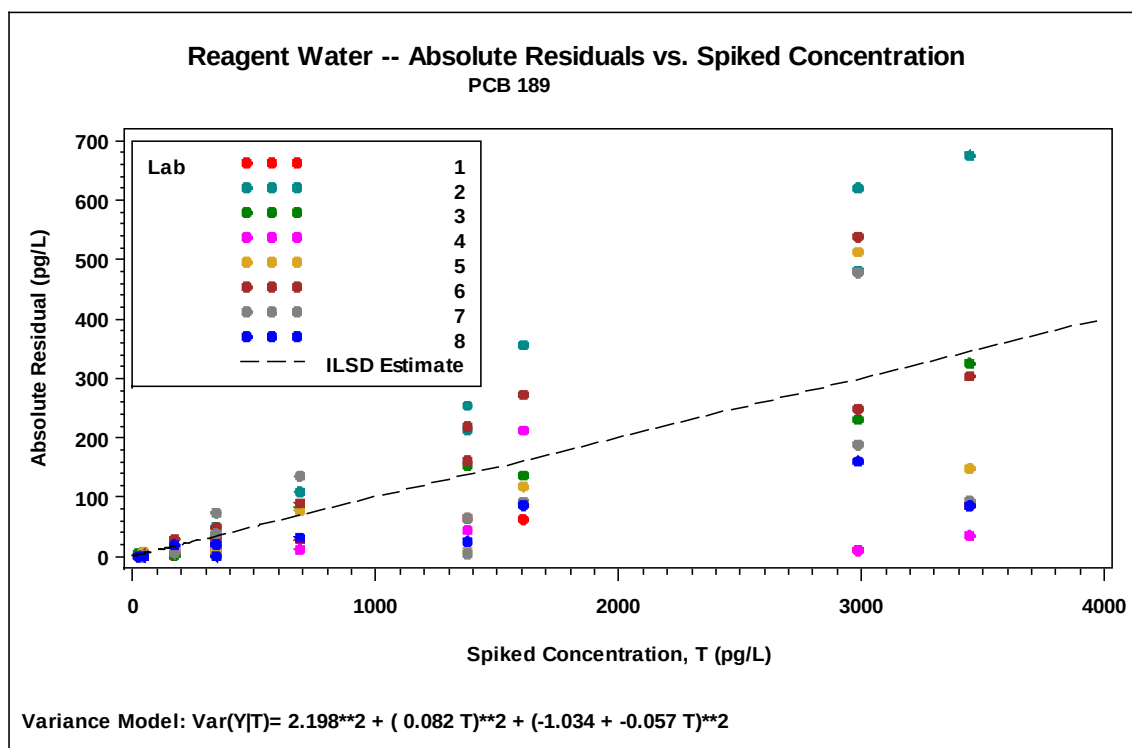
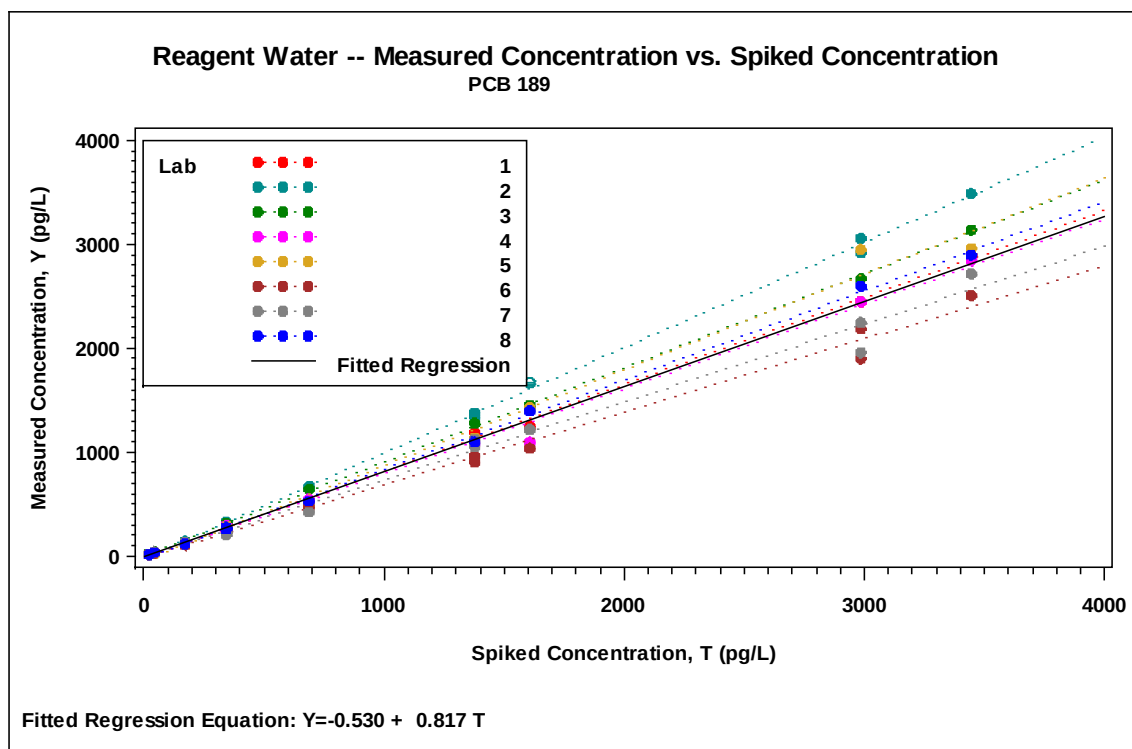


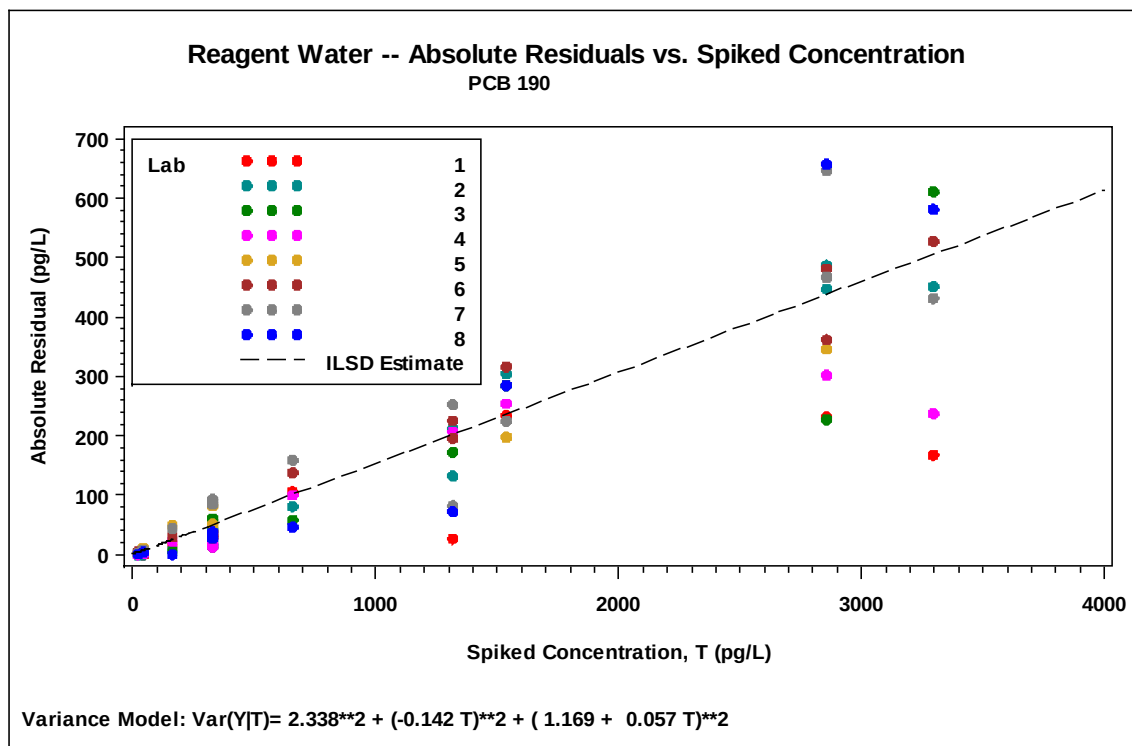
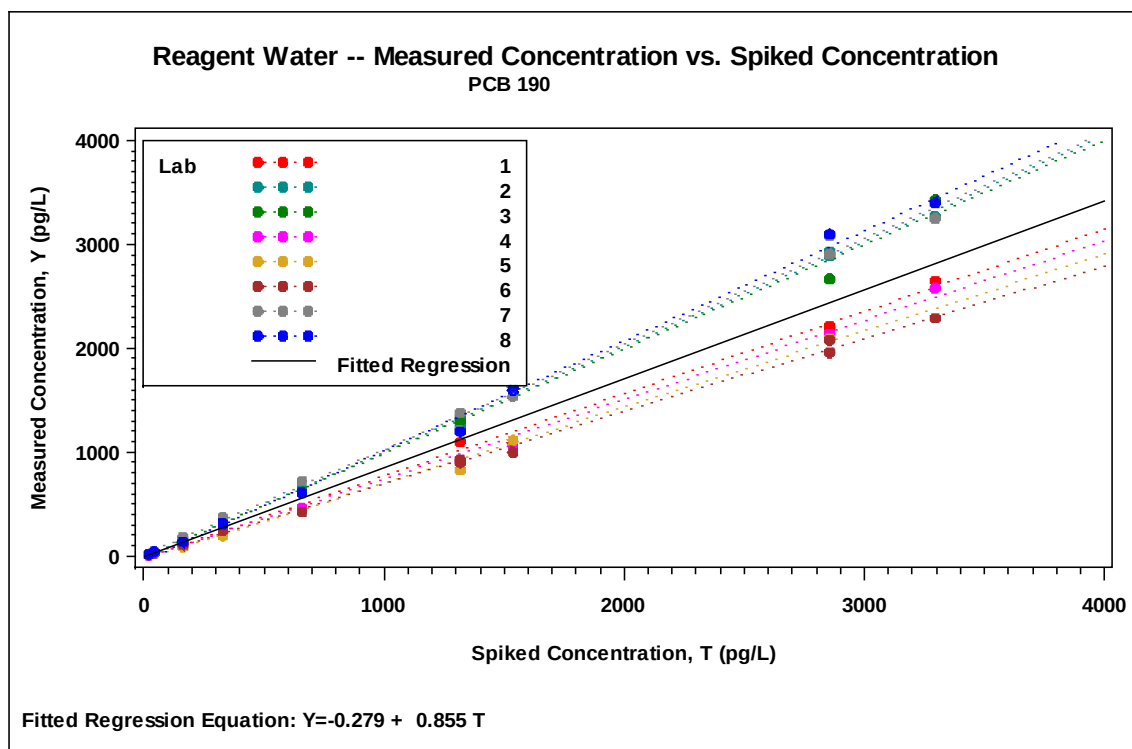


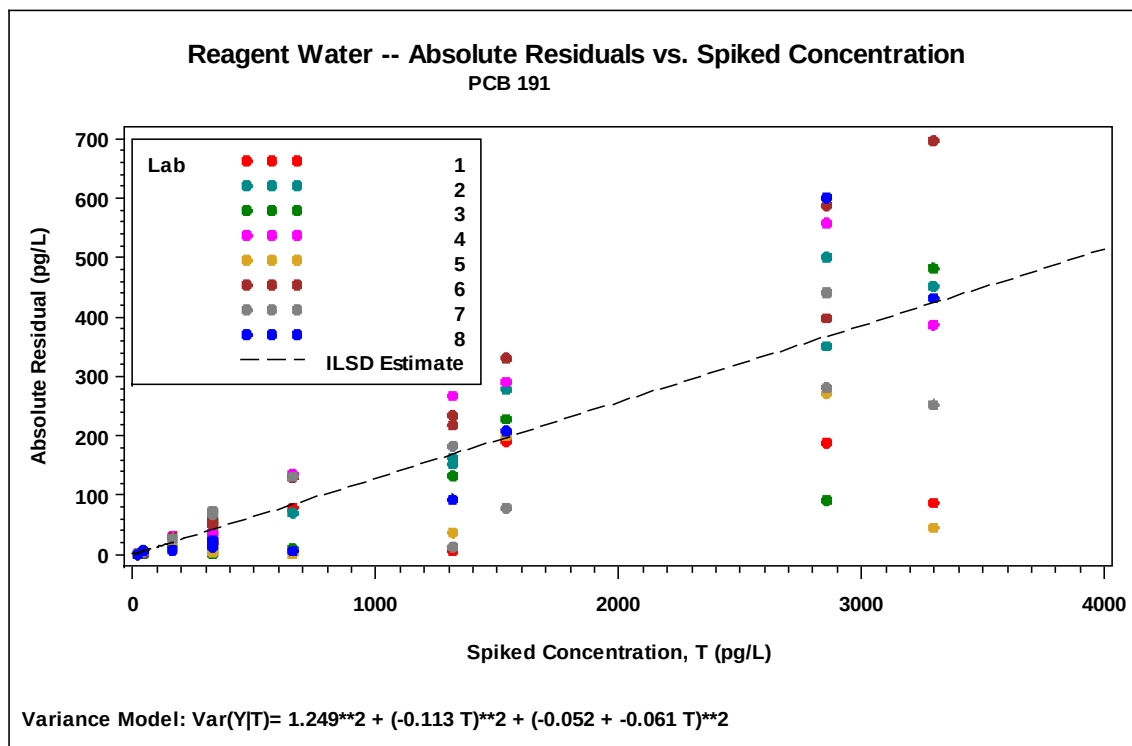
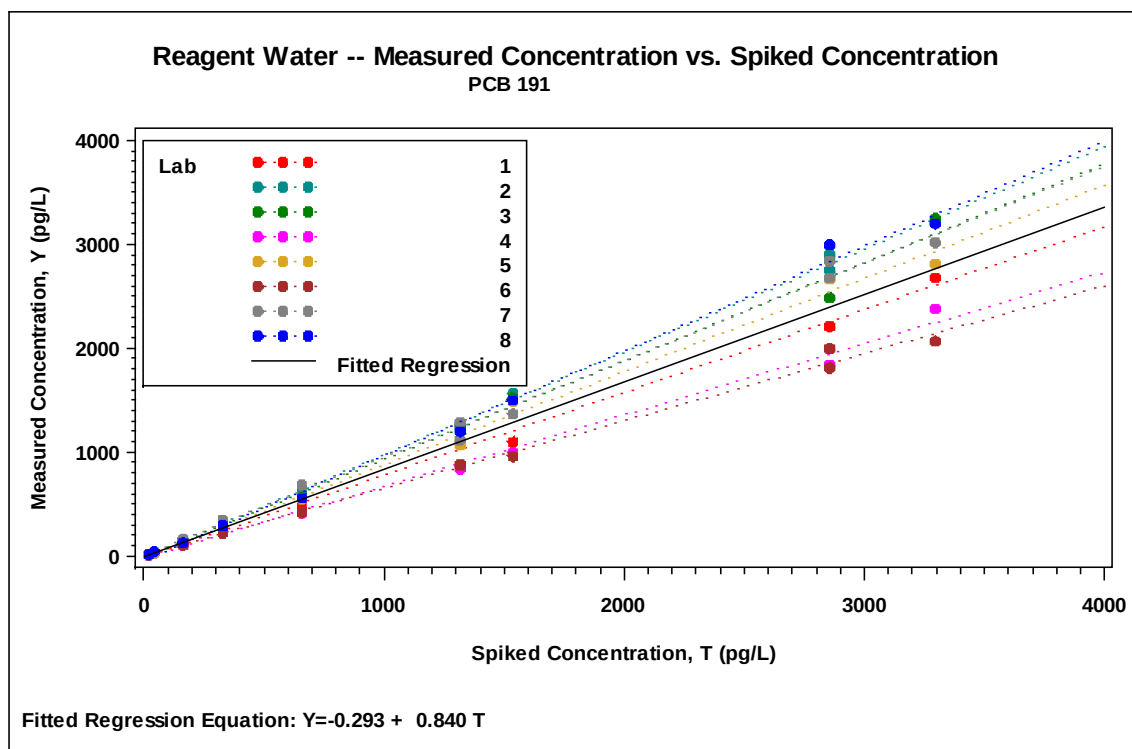




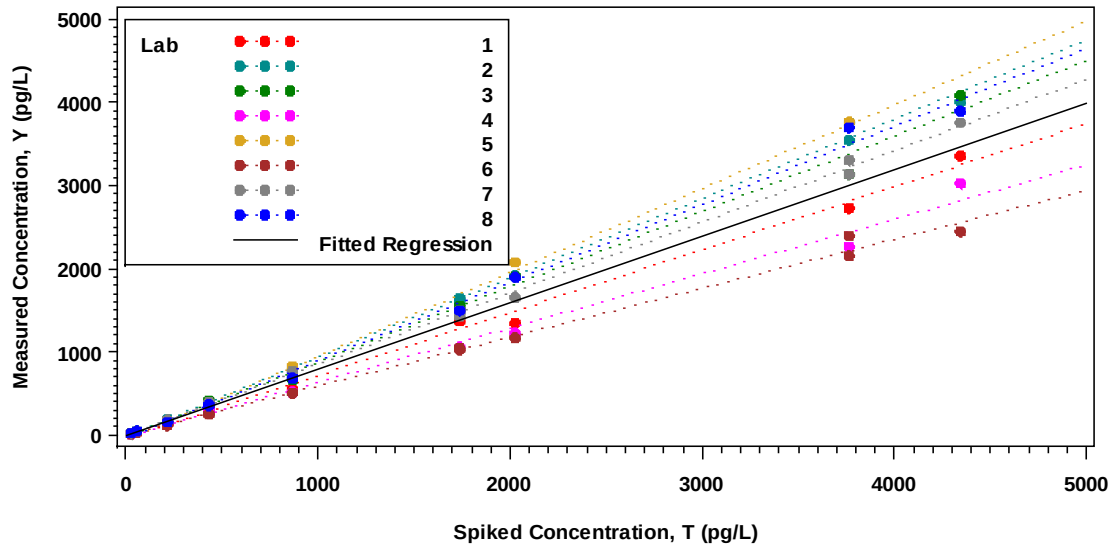




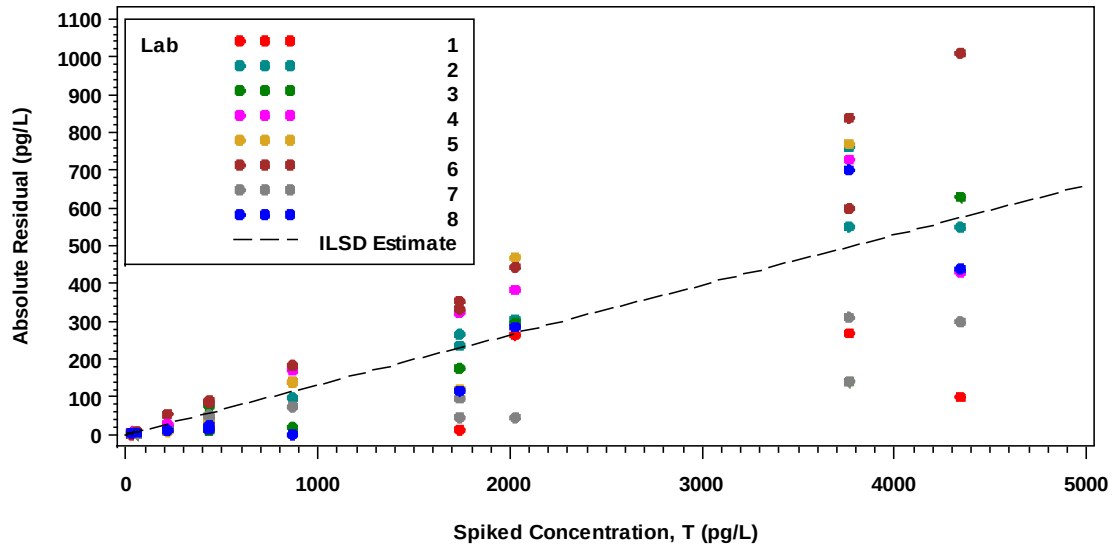


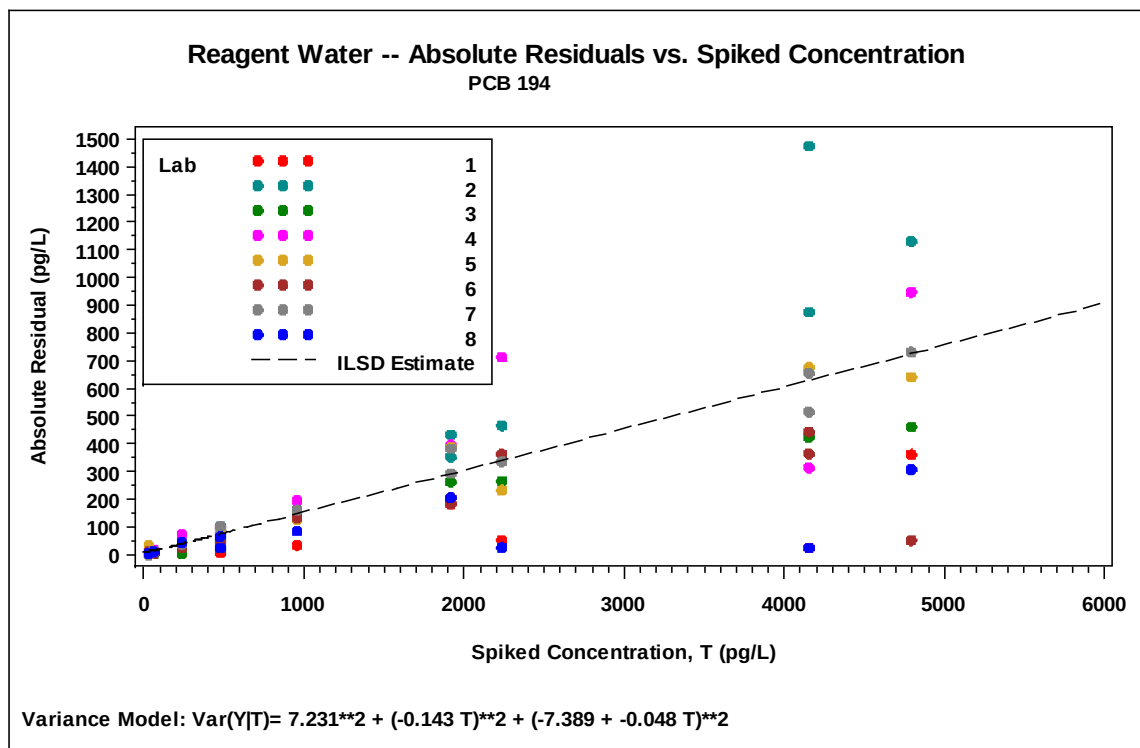
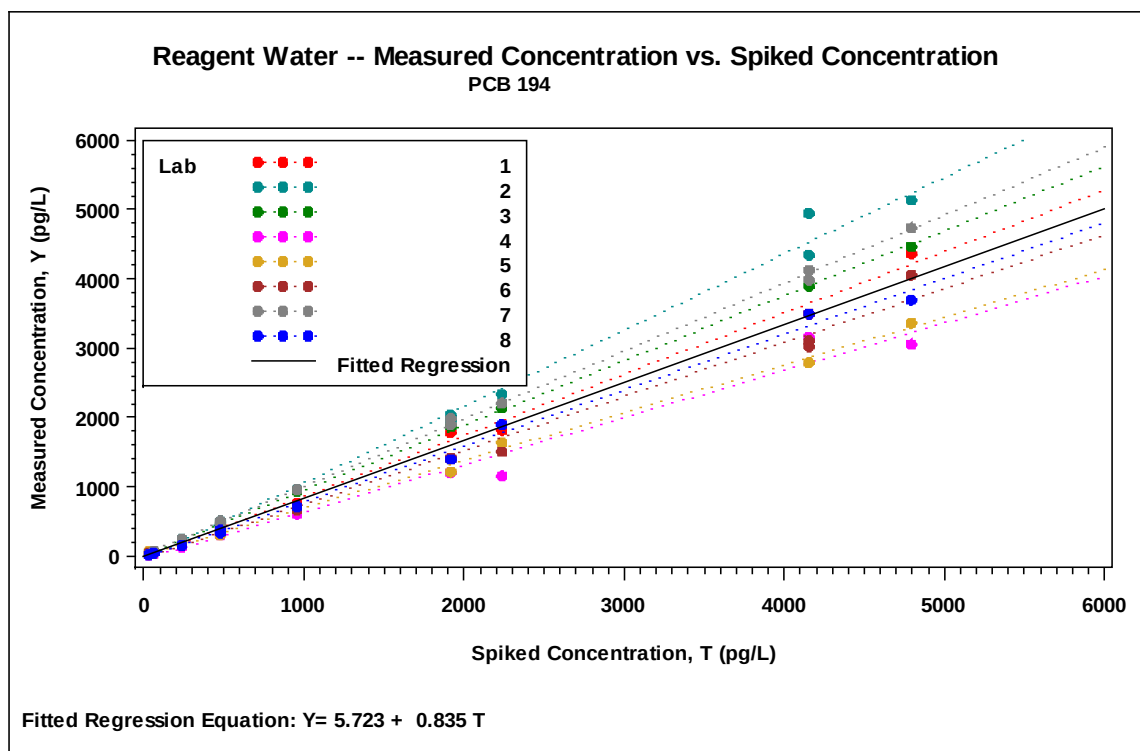


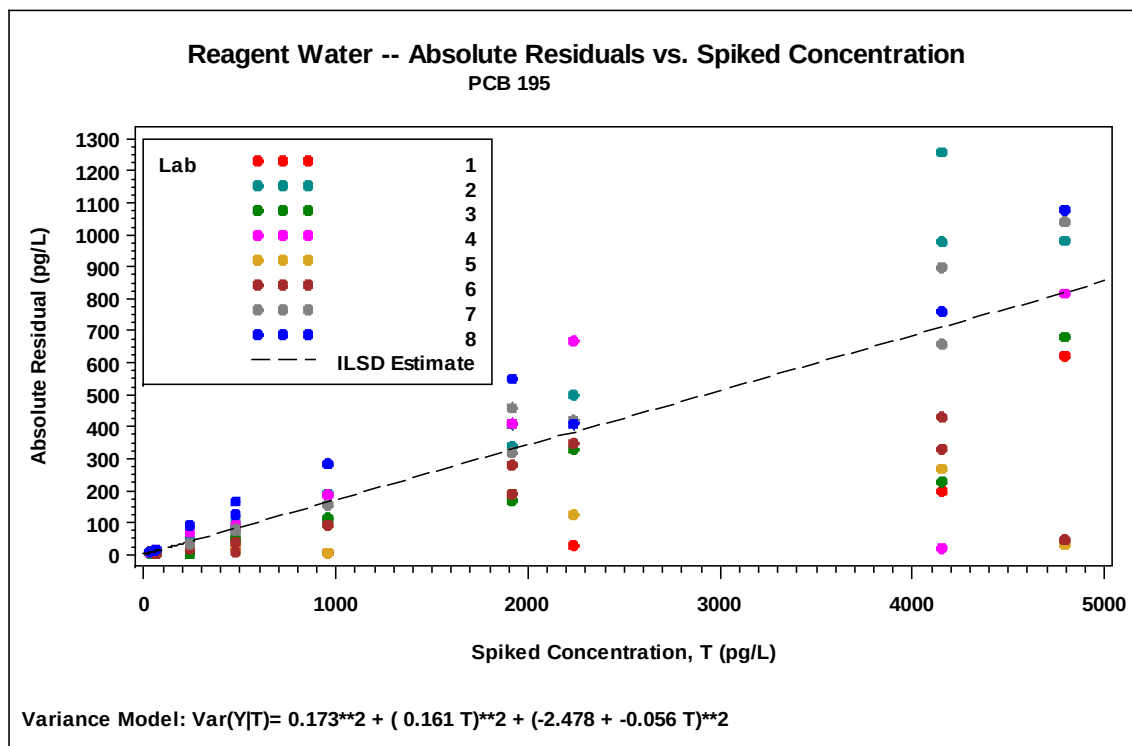
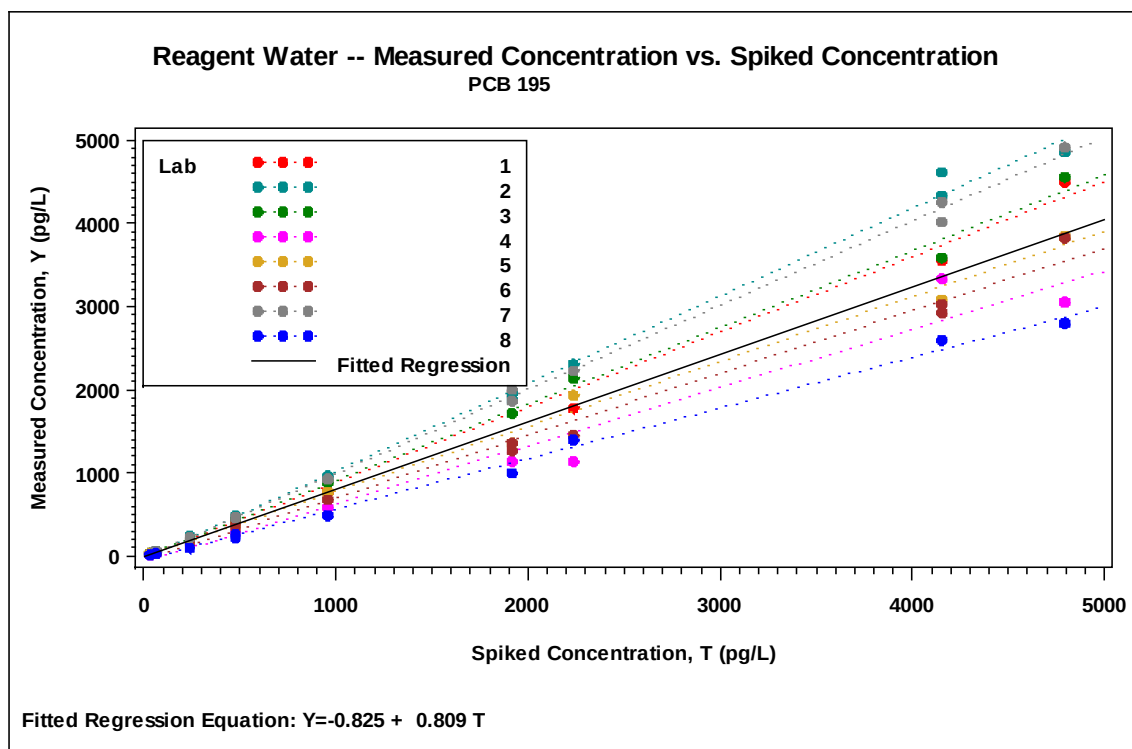
Reagent Water -- Measured Concentration vs. Spiked Concentration
PCB 192

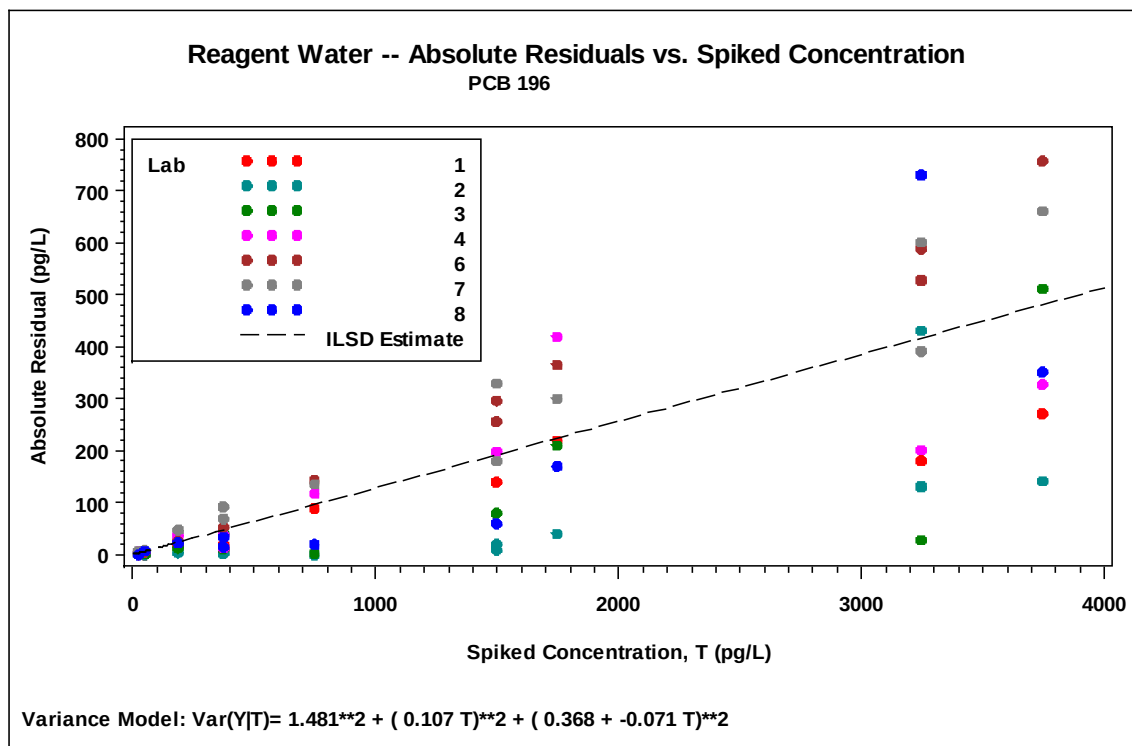
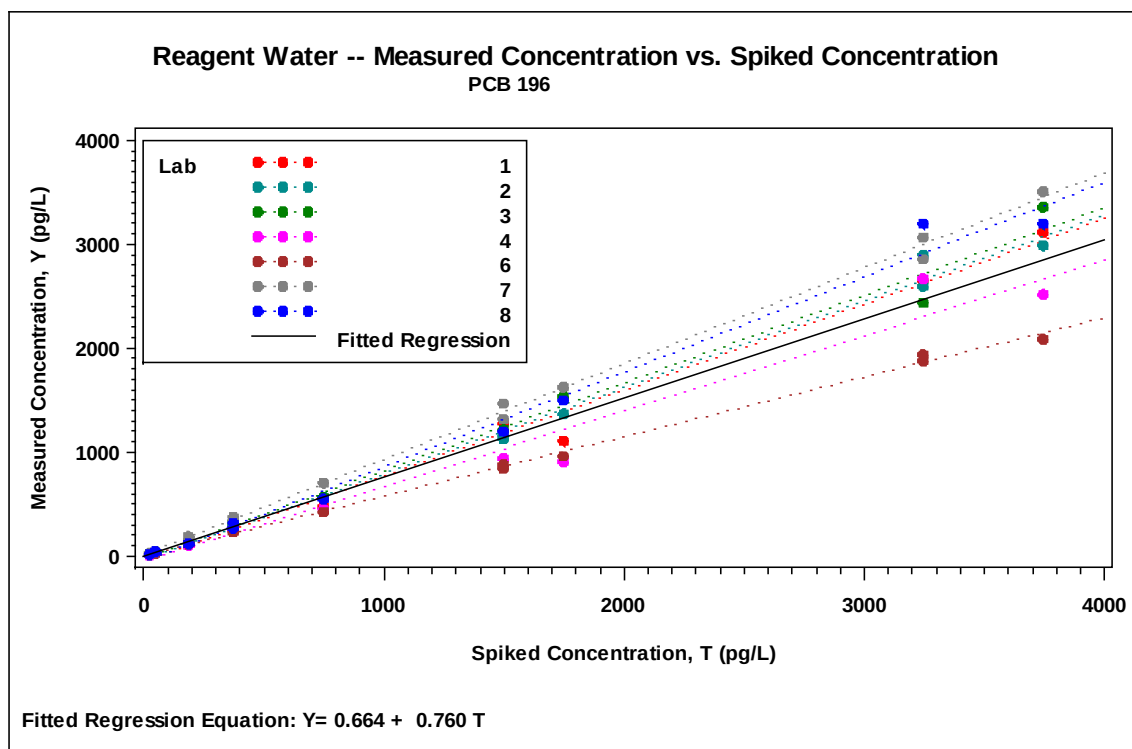


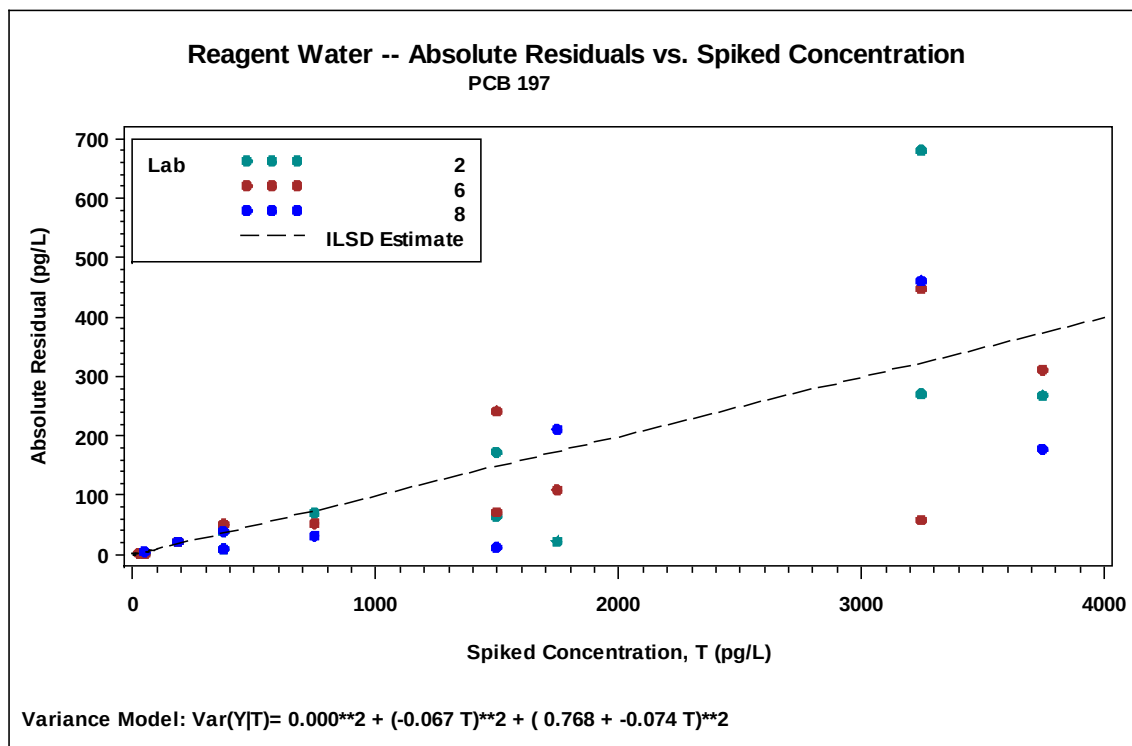
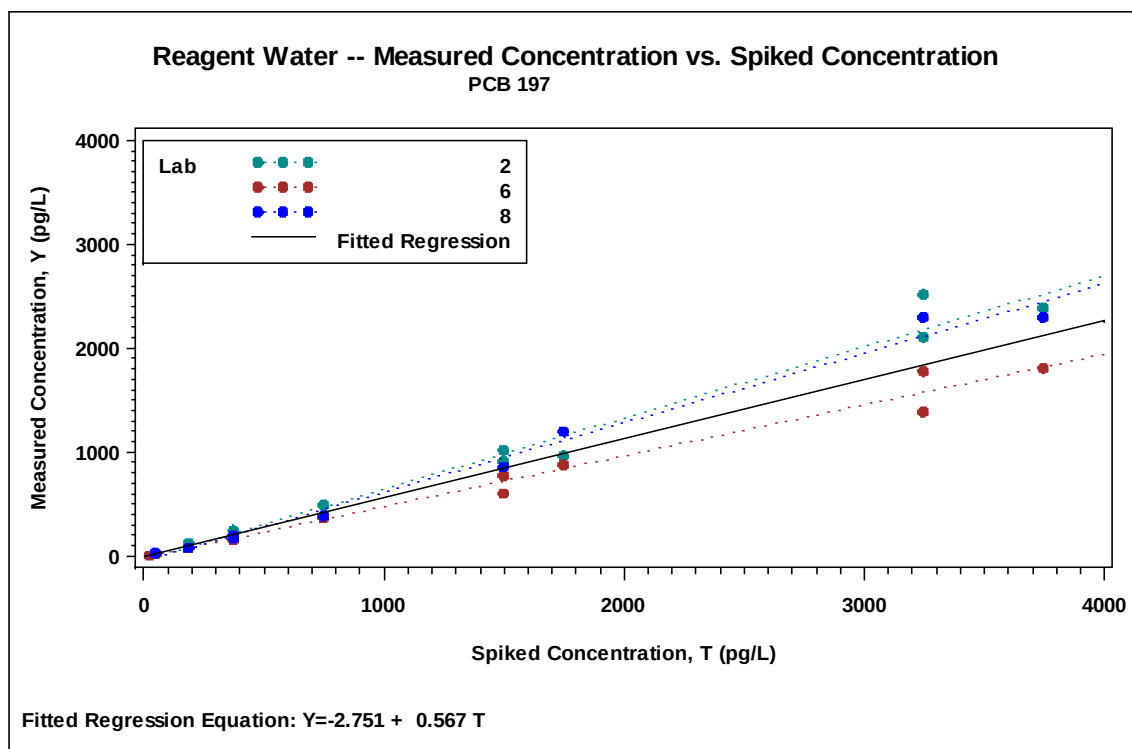
Reagent Water -- Absolute Residuals vs. Spiked Concentration
PCB 192

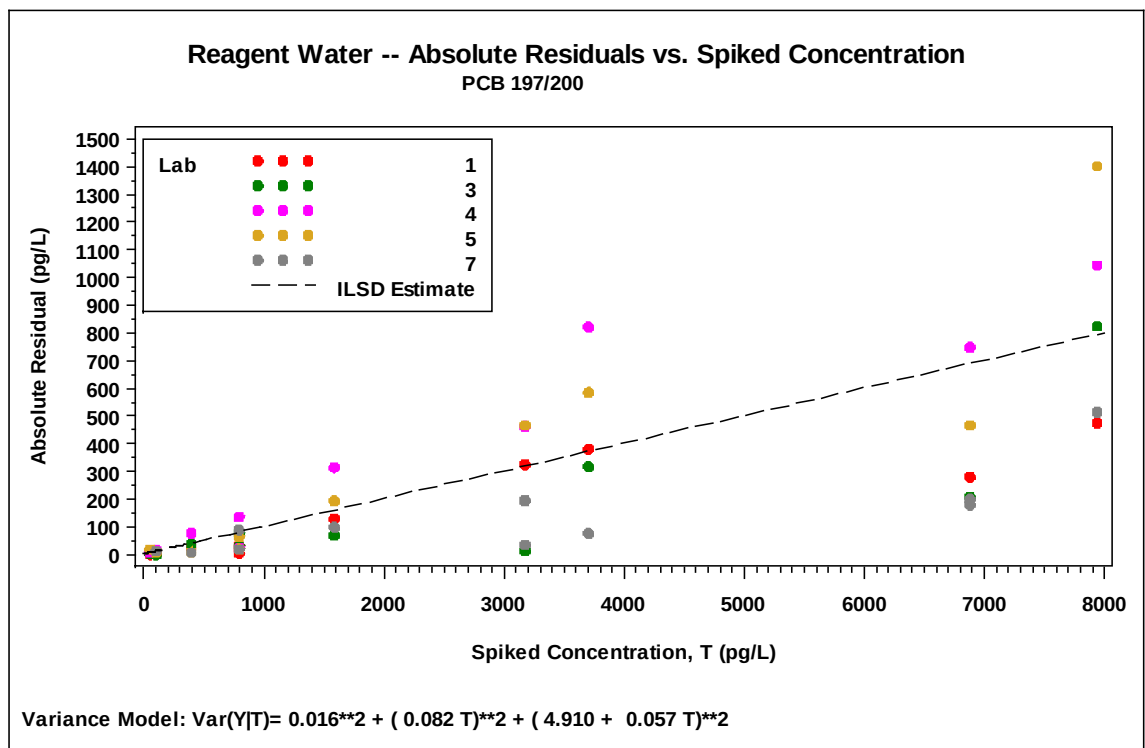
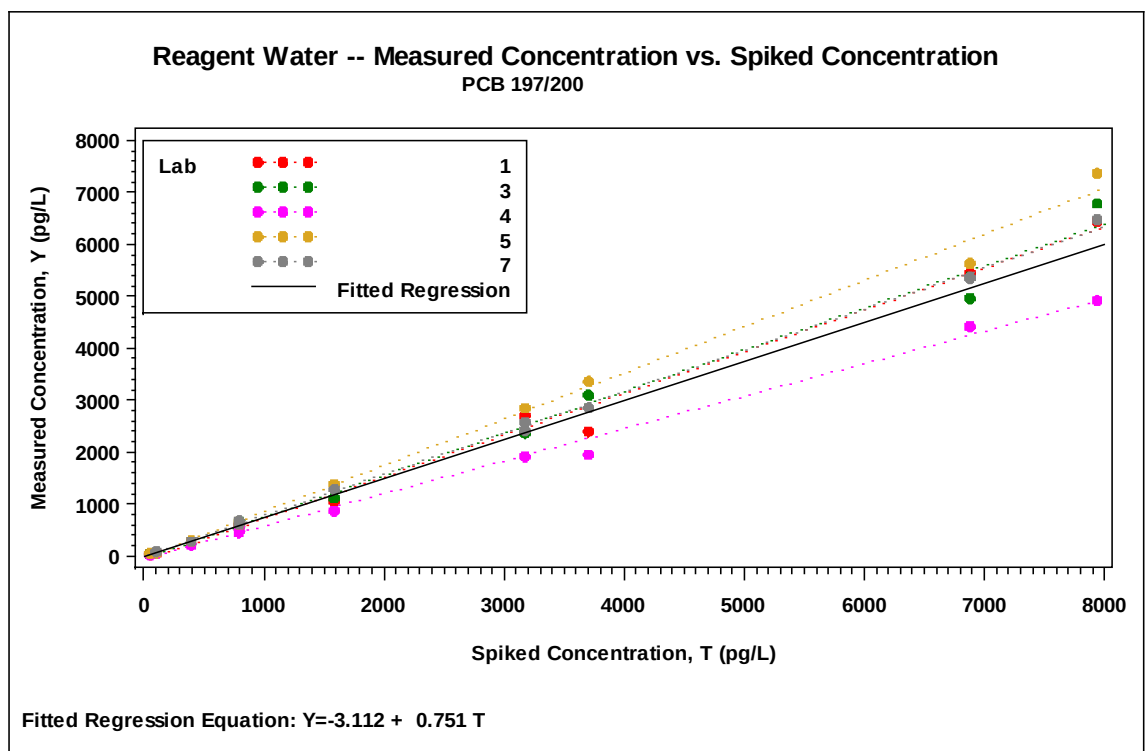


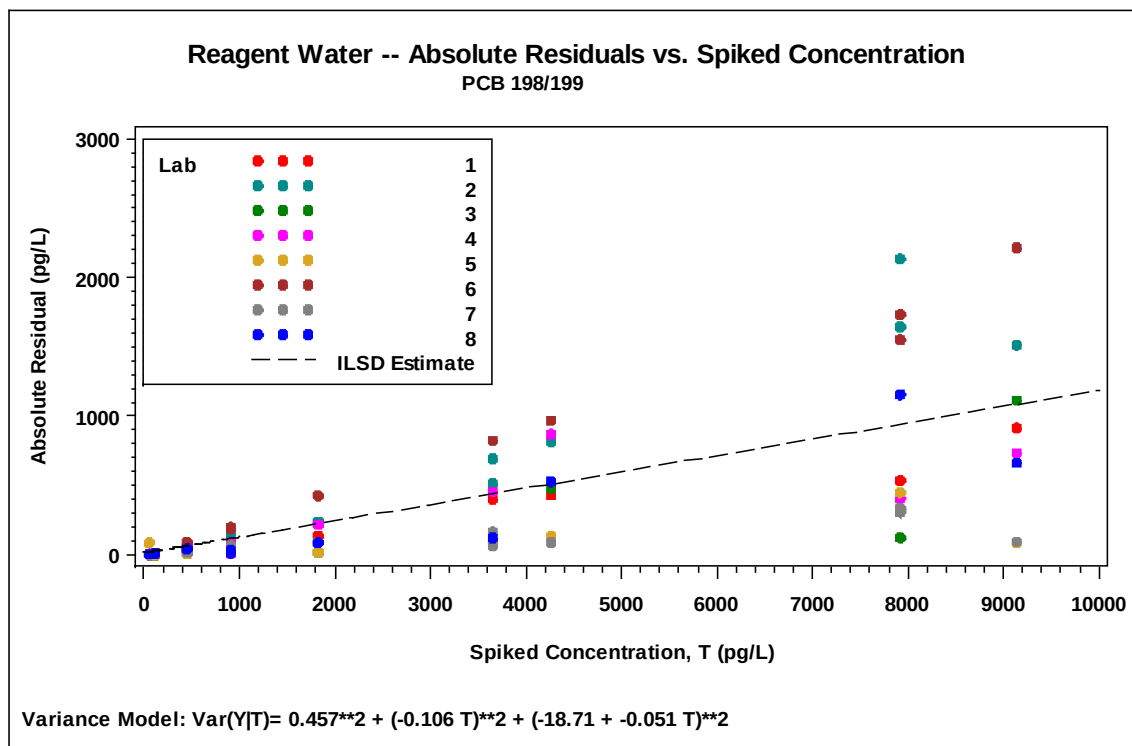
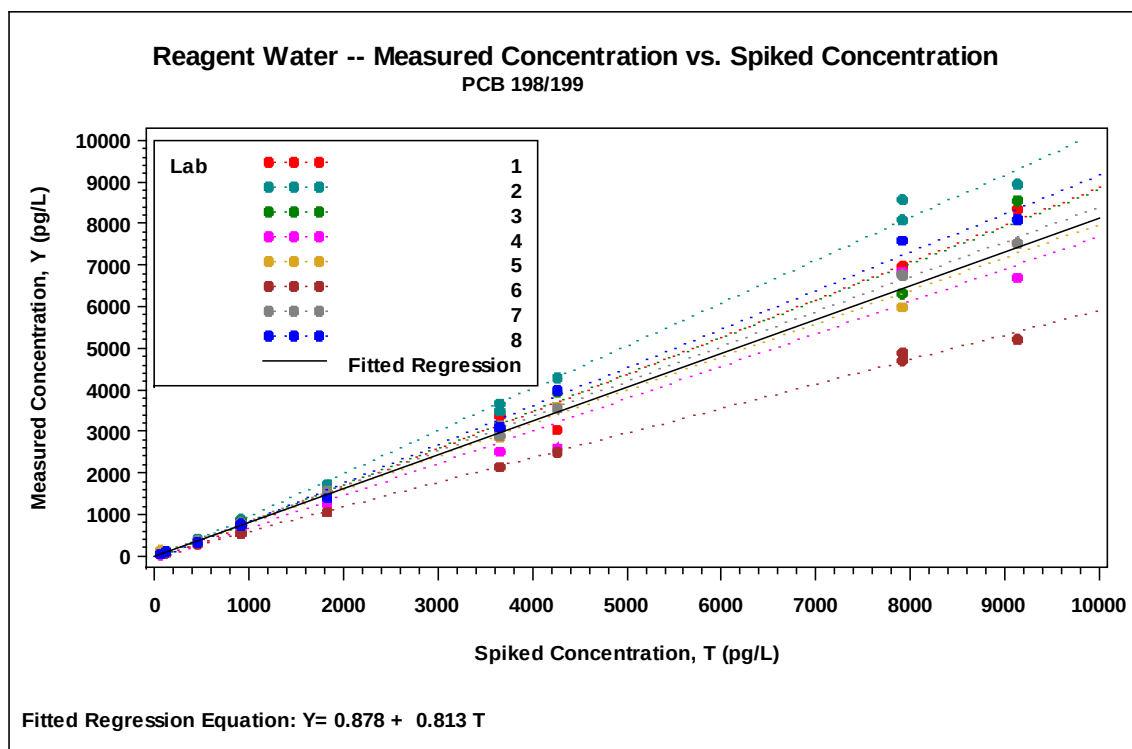


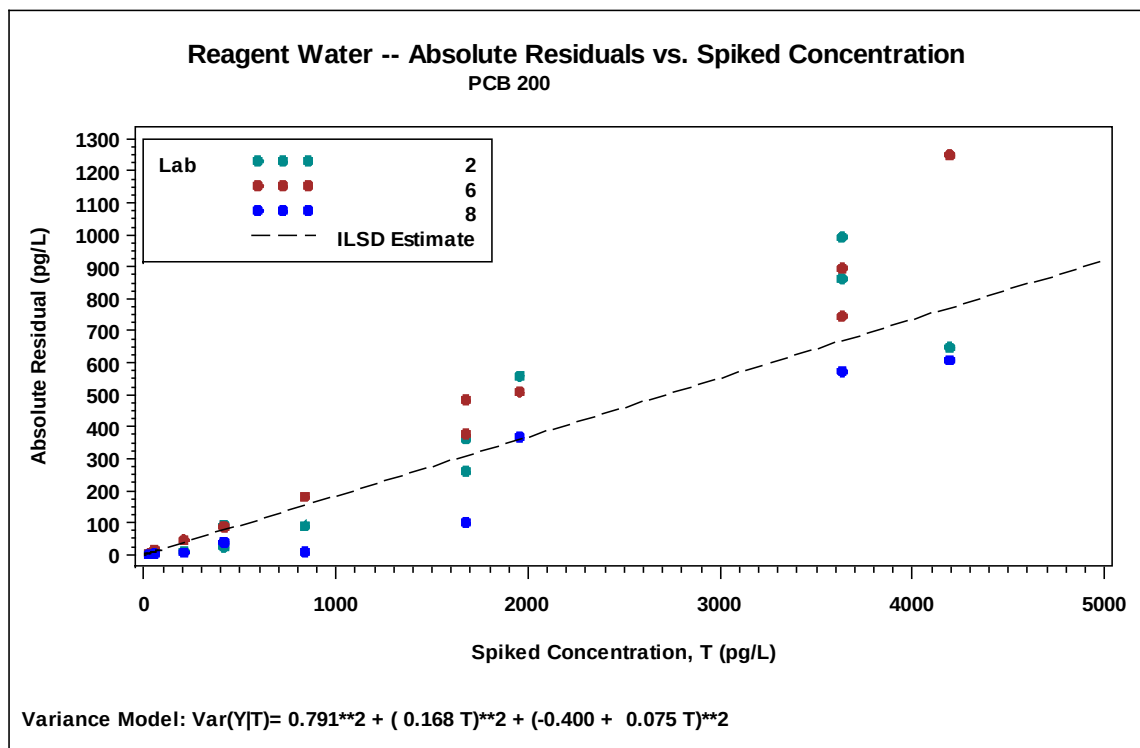
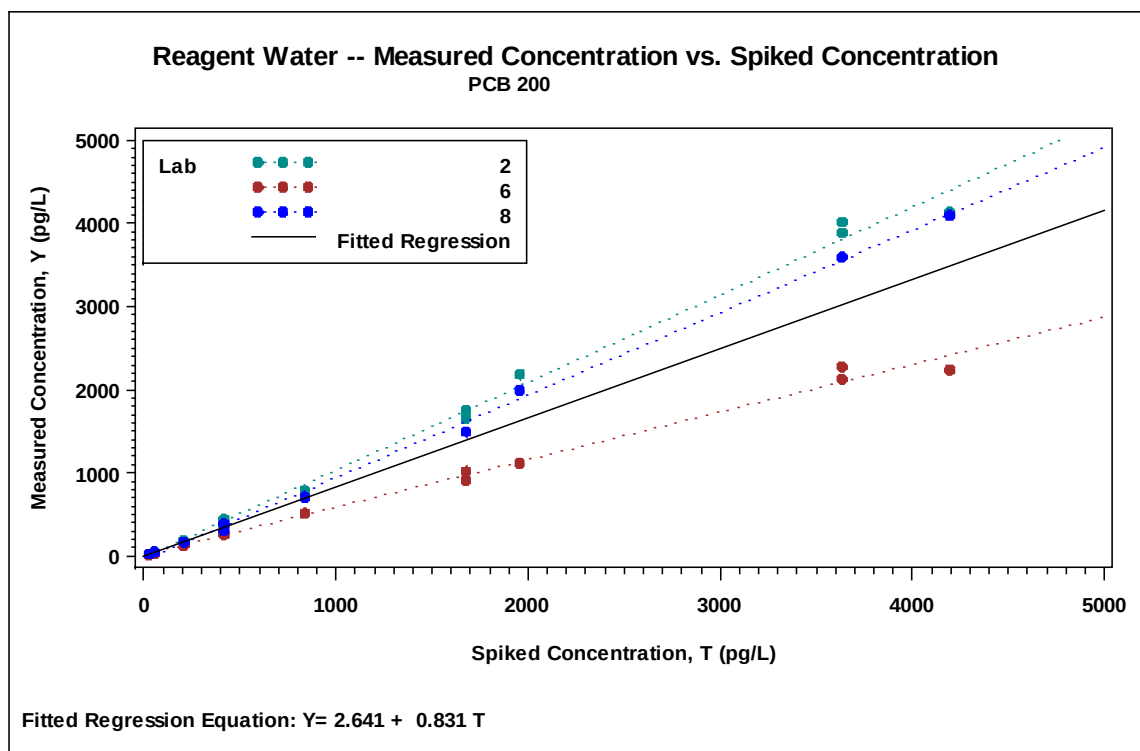


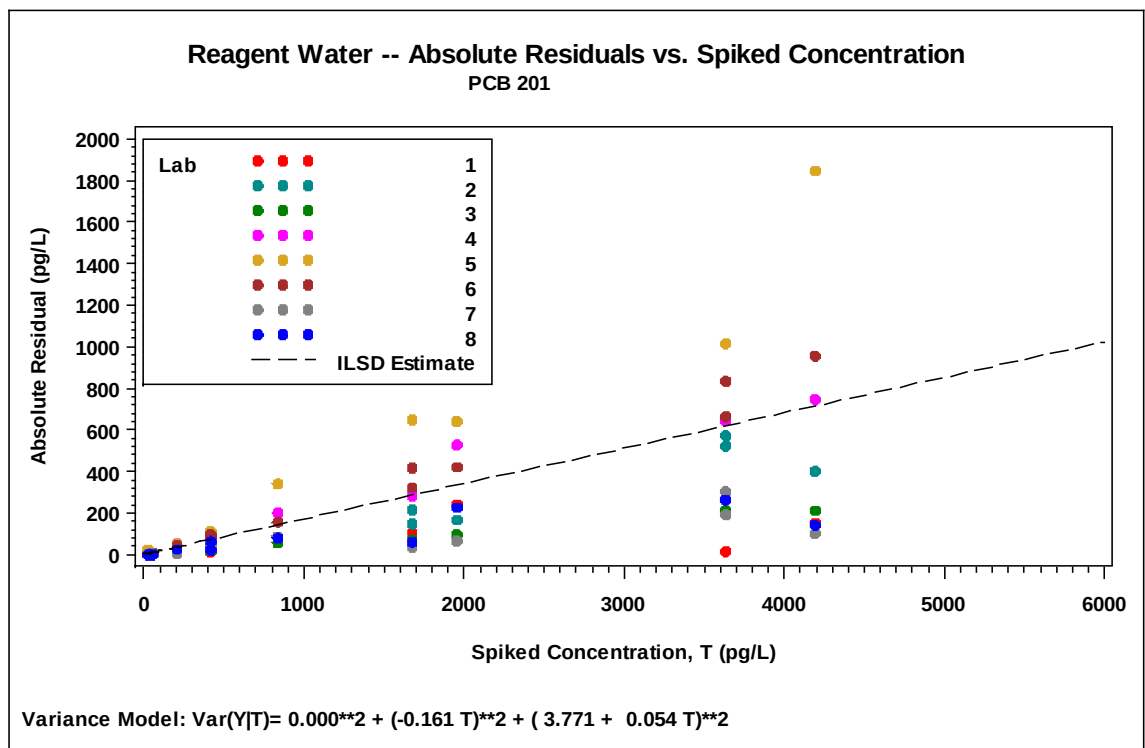
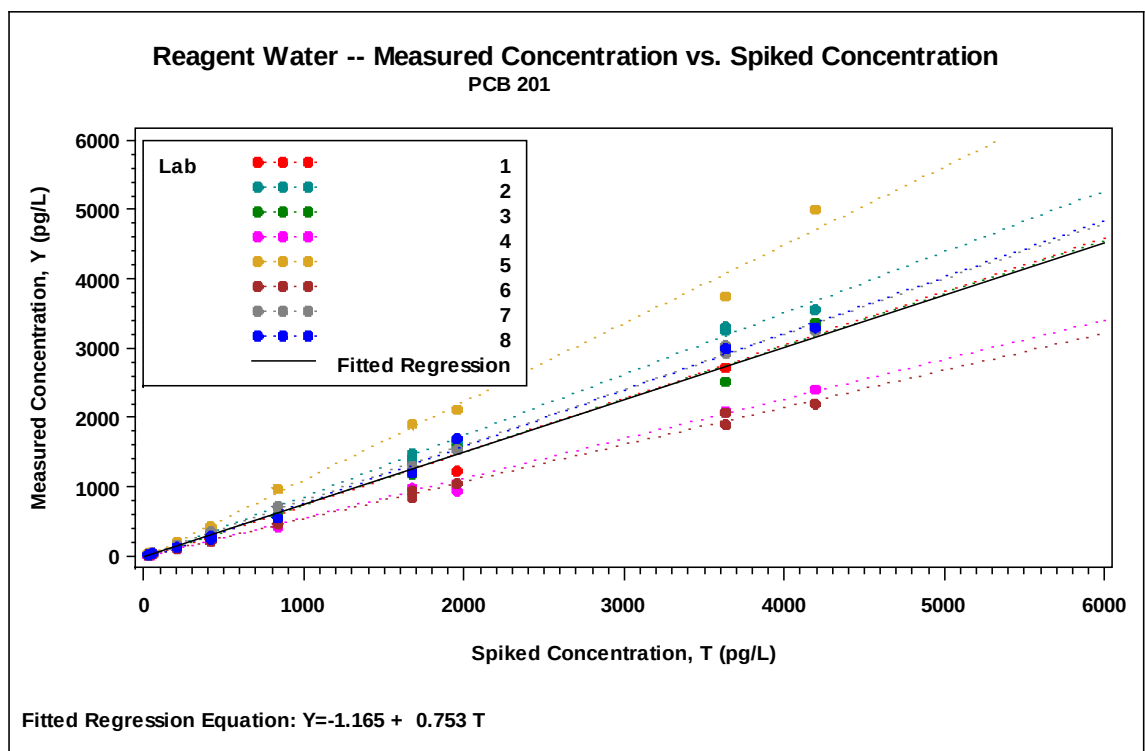


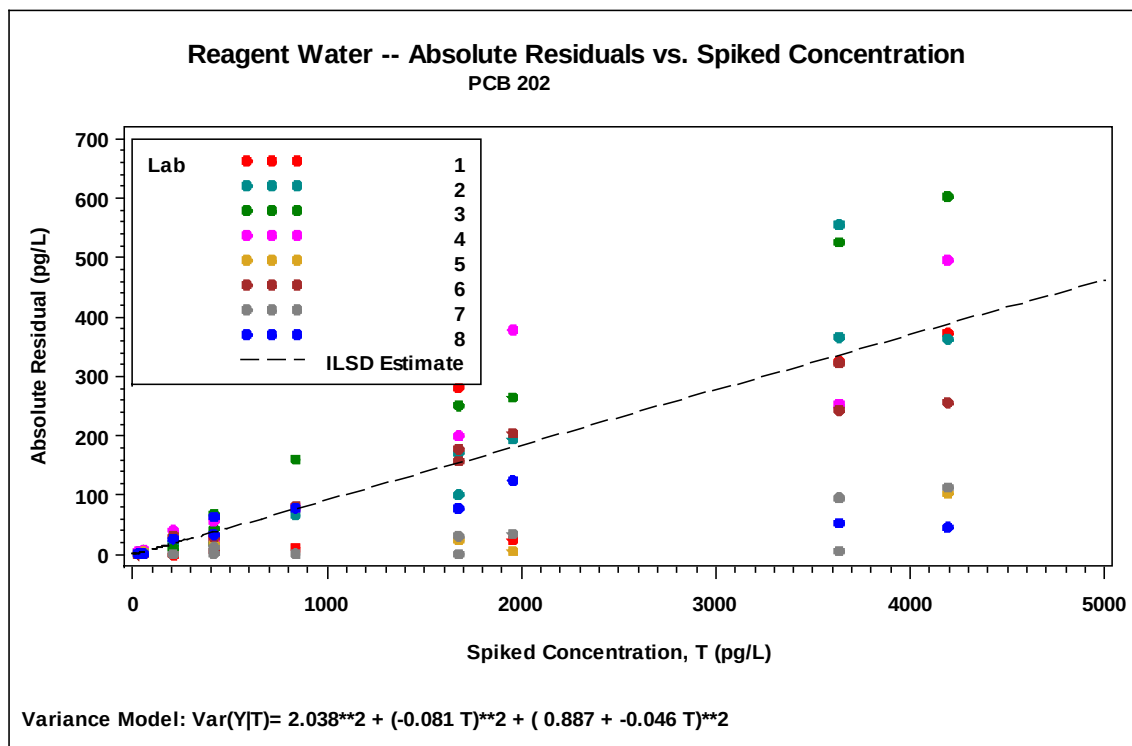
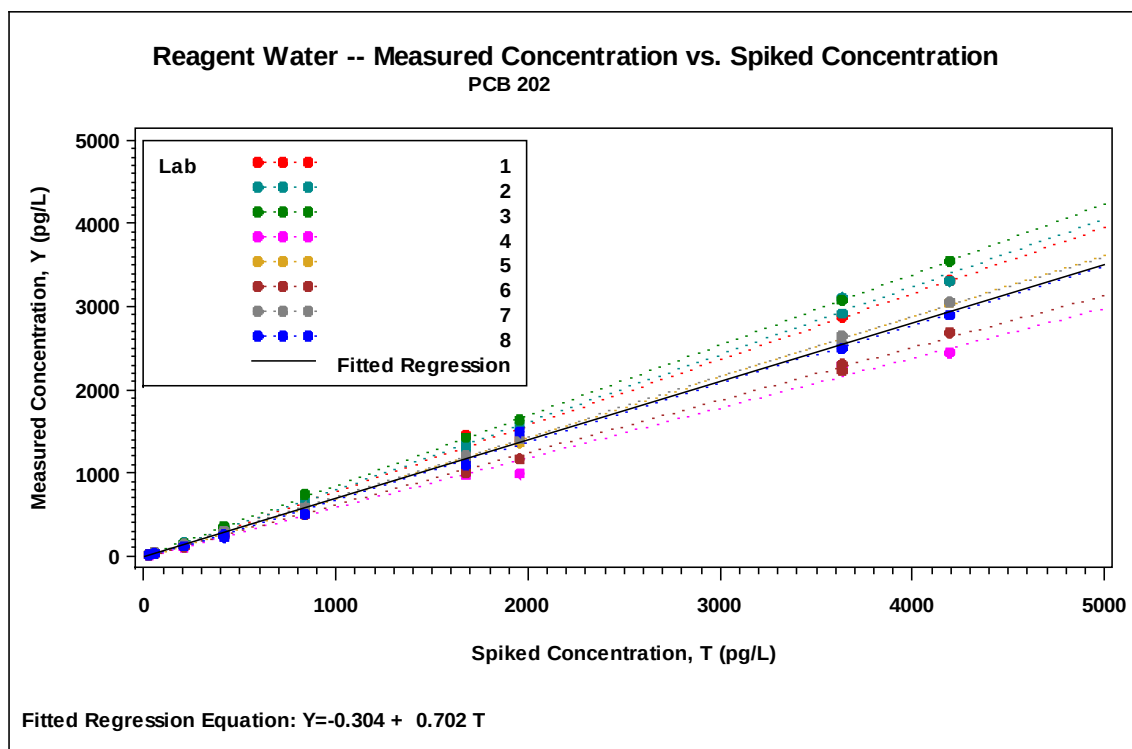


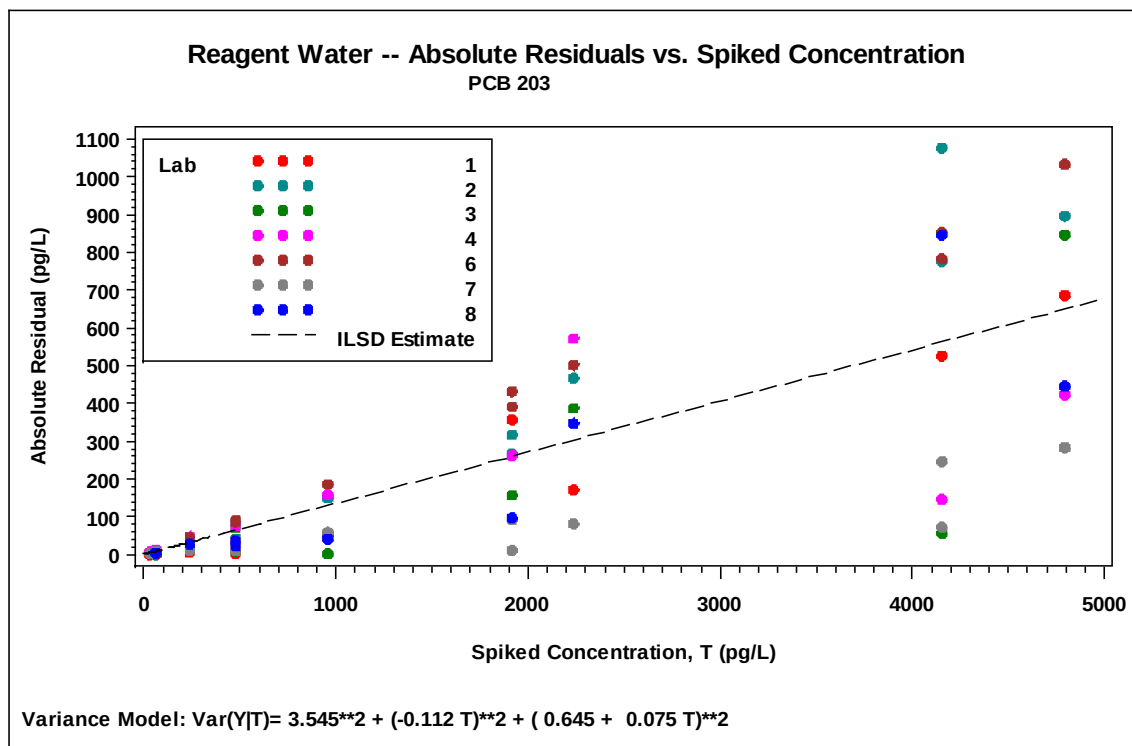
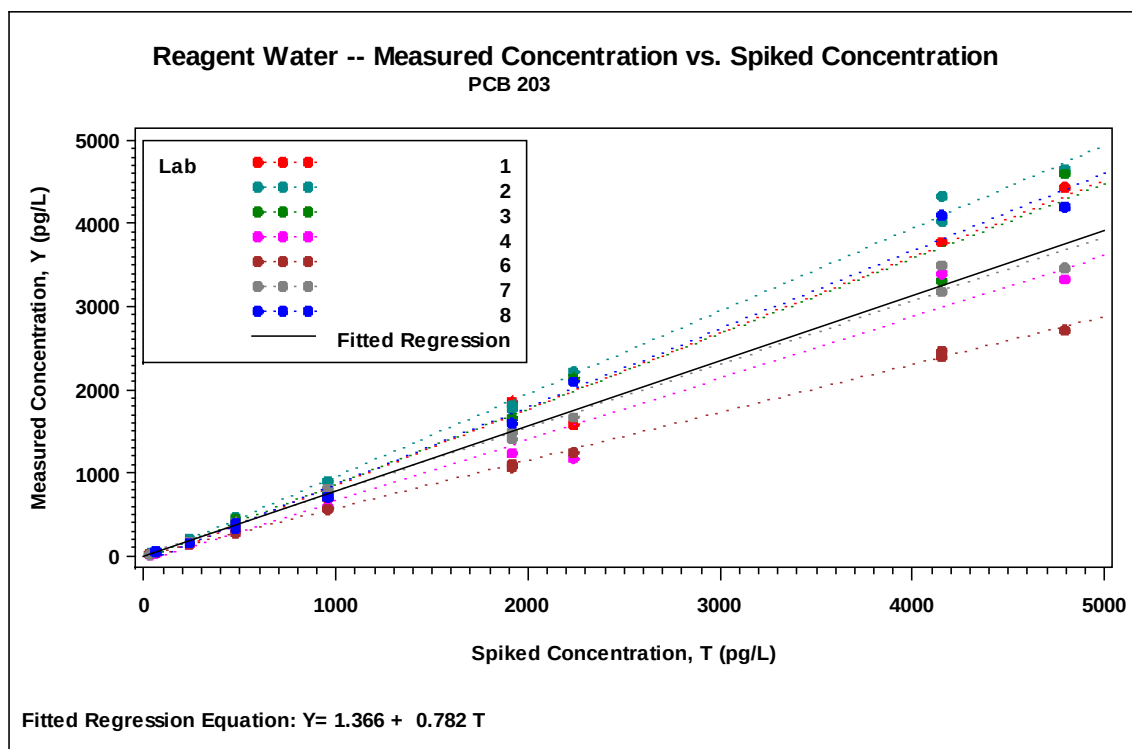


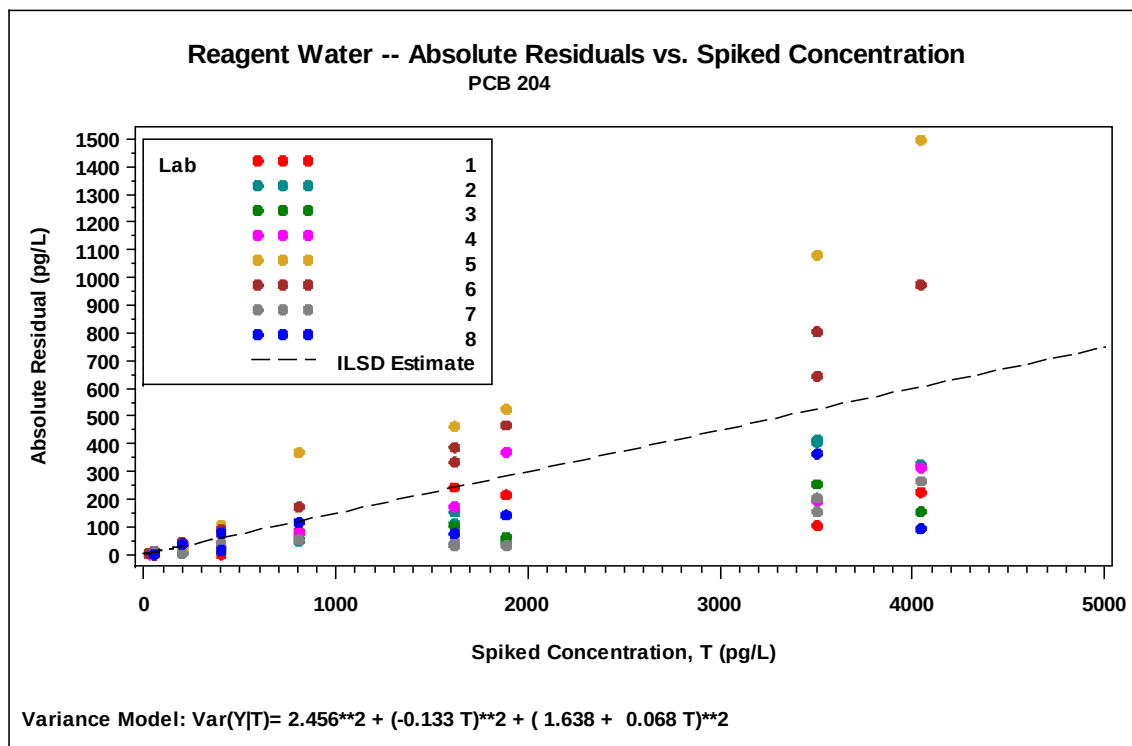
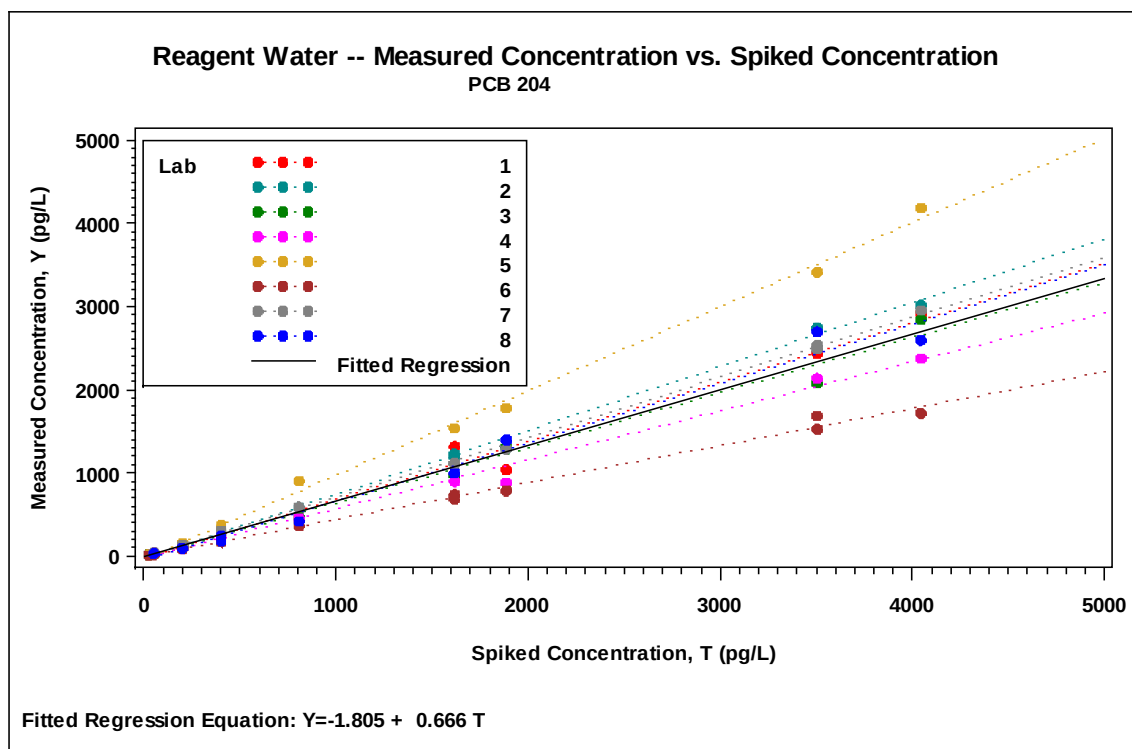


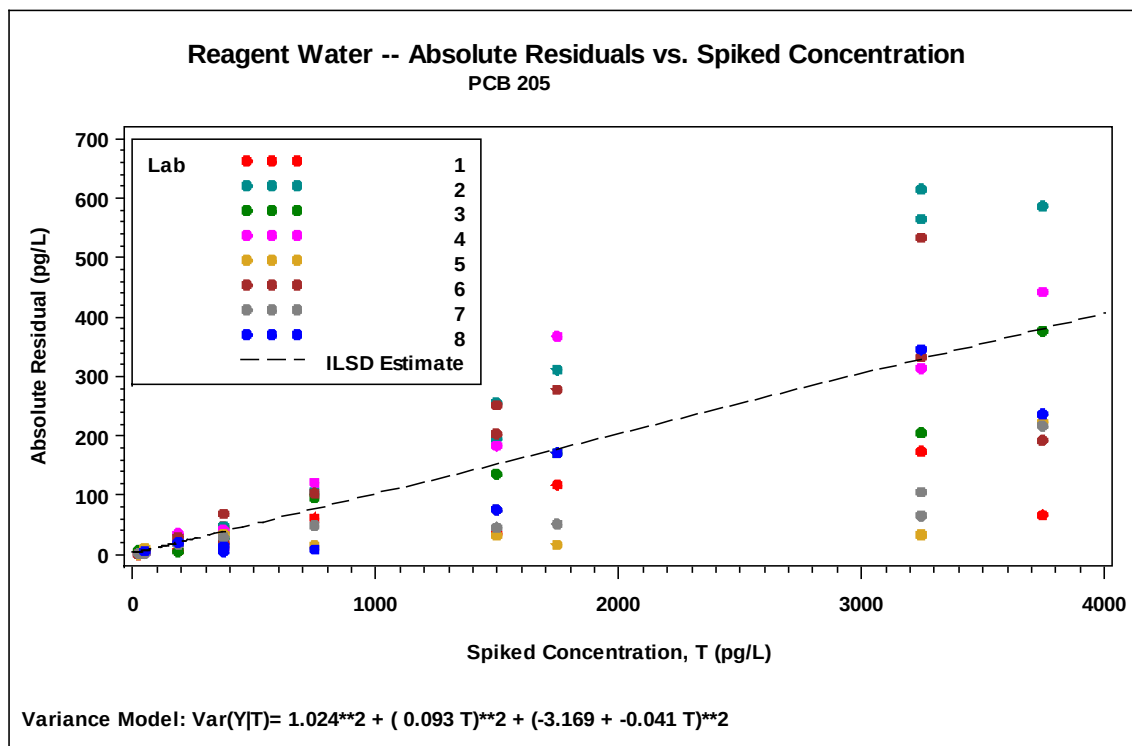
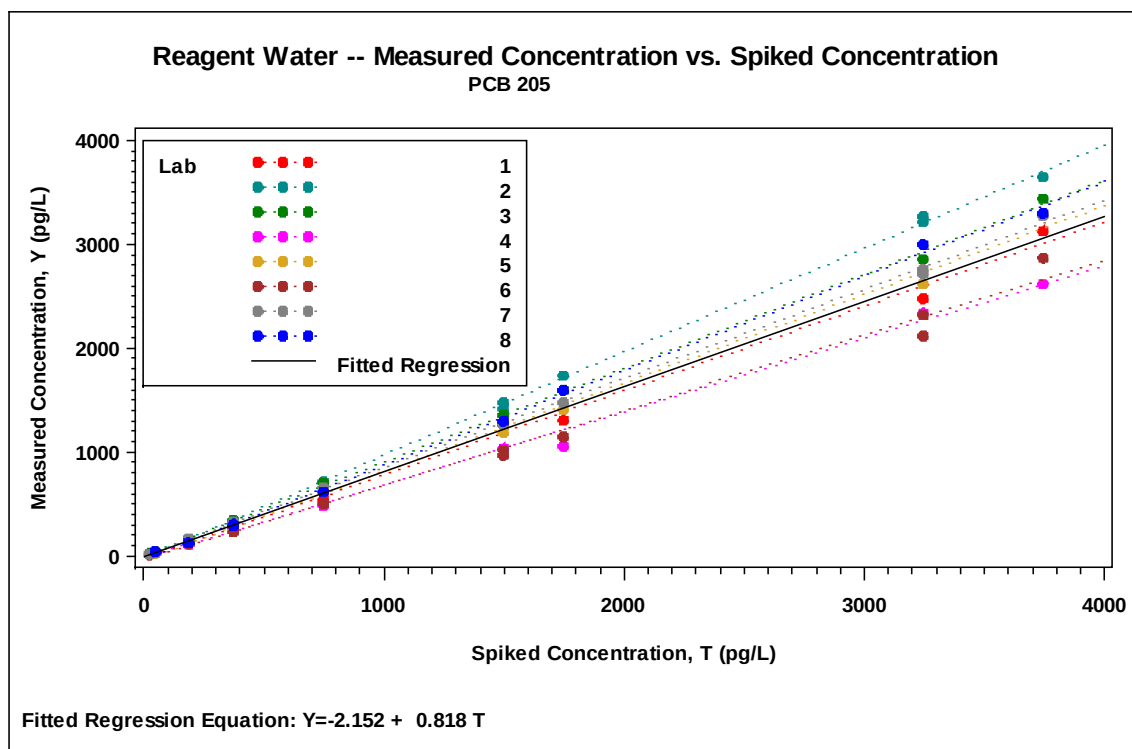




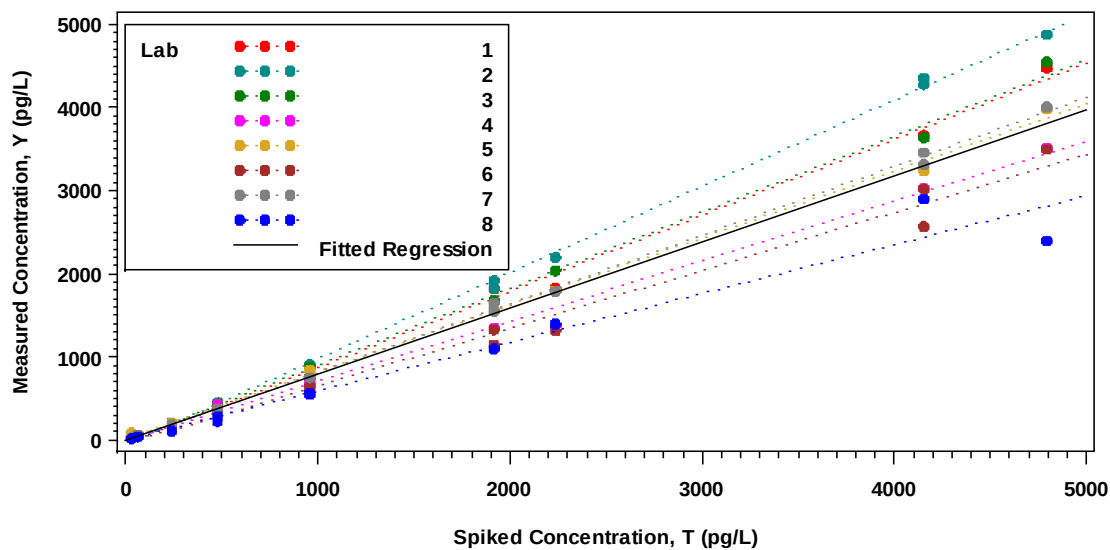






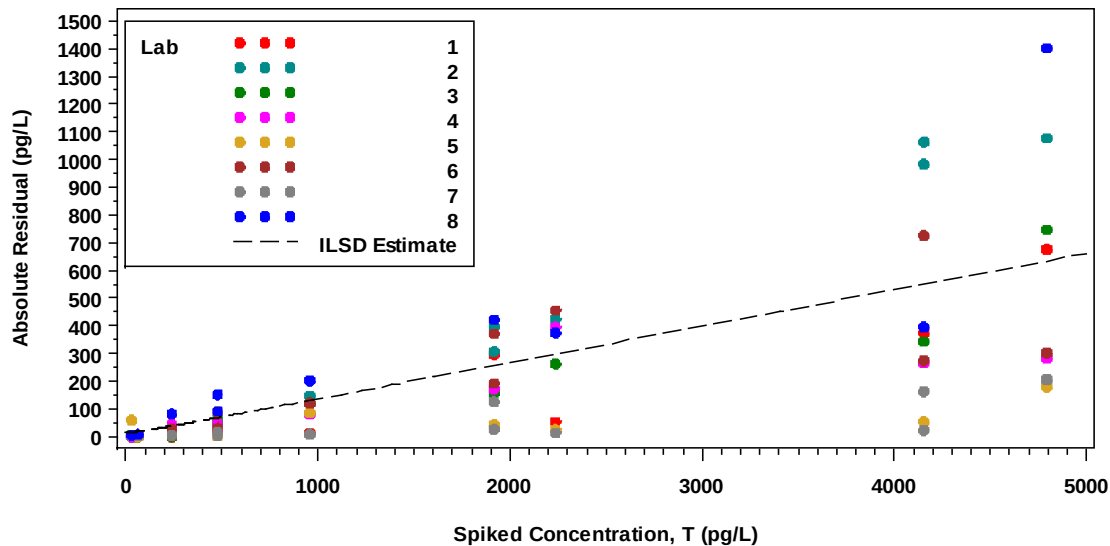


Reagent Water -- Measured Concentration vs. Spiked Concentration
PCB 206

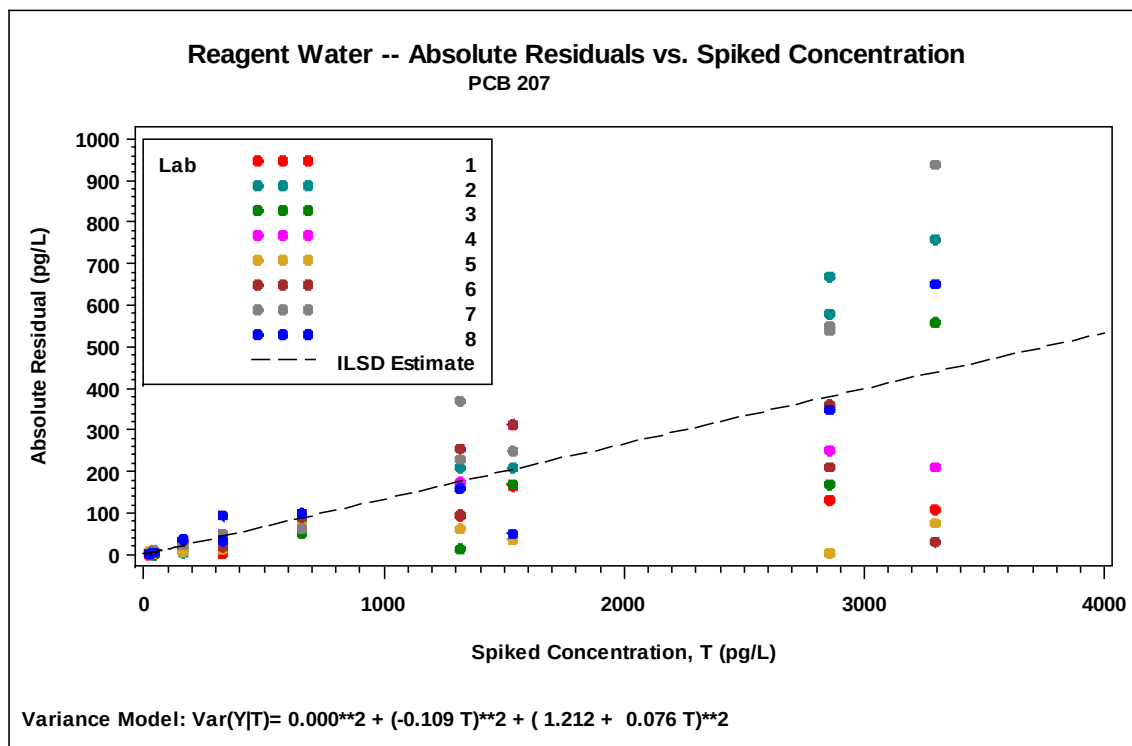
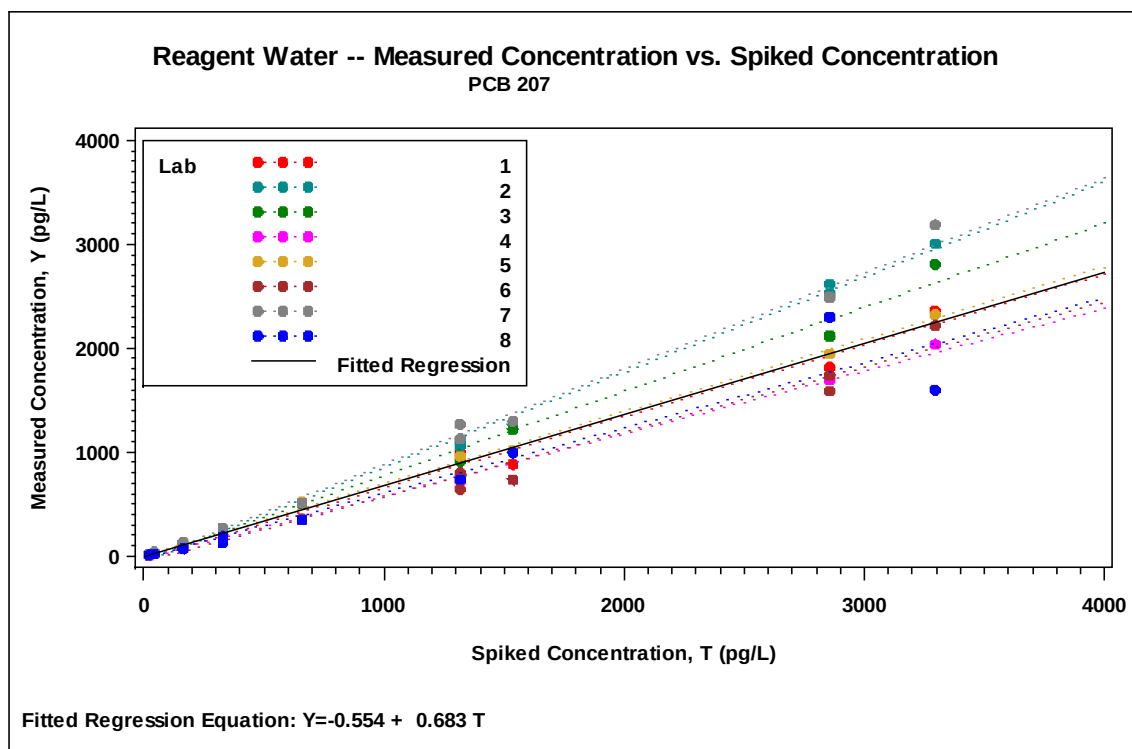


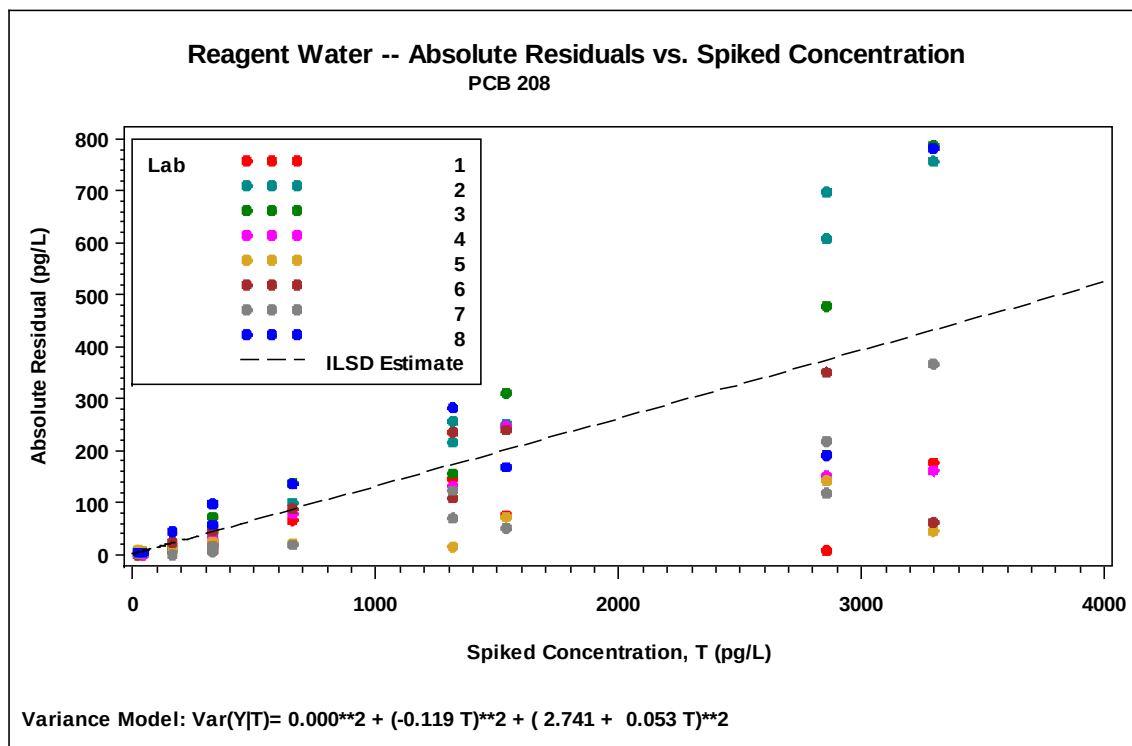
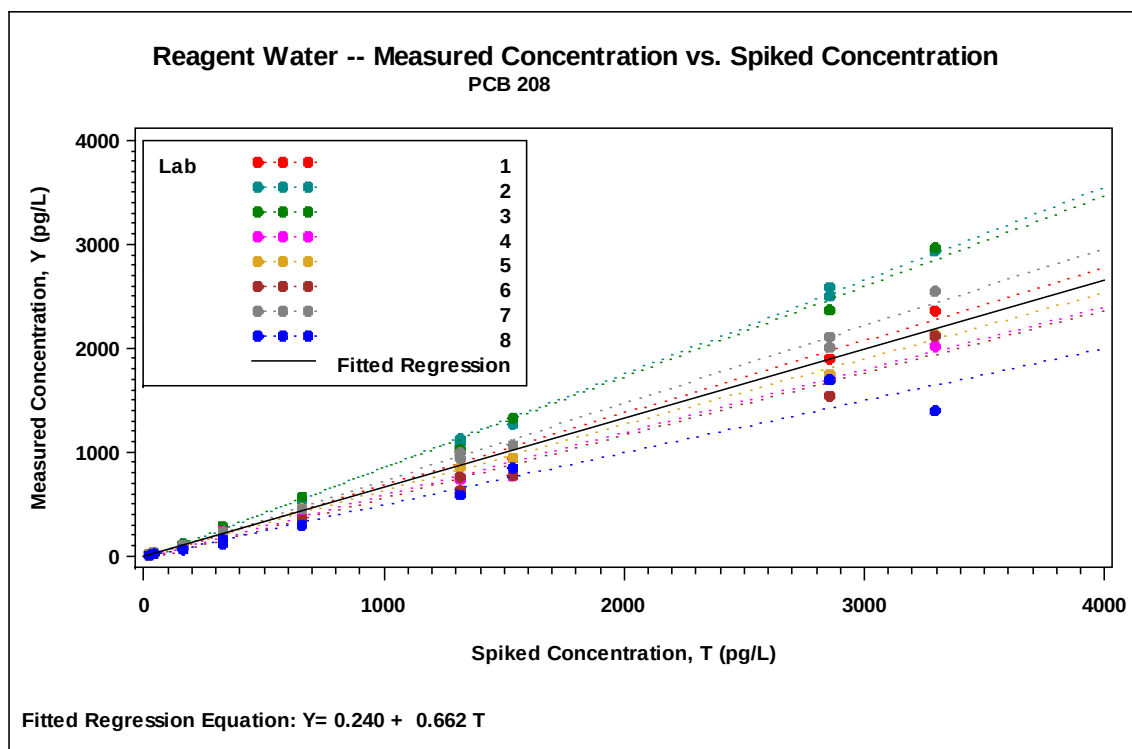
Fitted Regression Equation: $Y = 2.780 + 0.792 T$

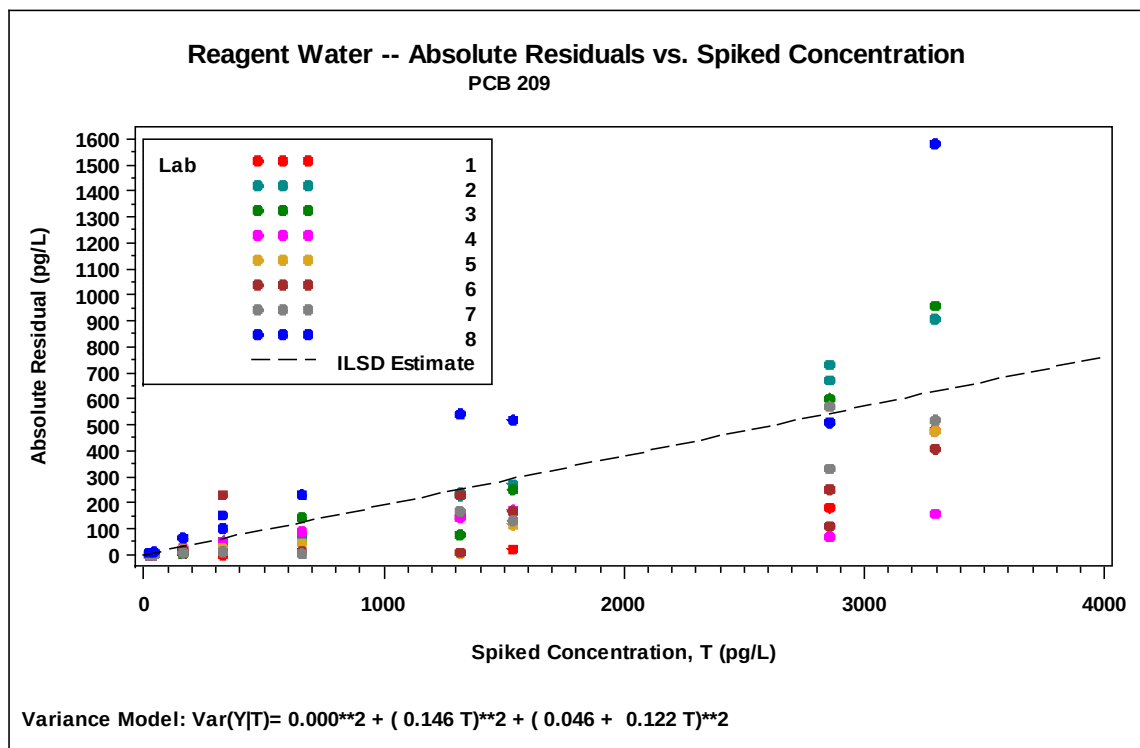
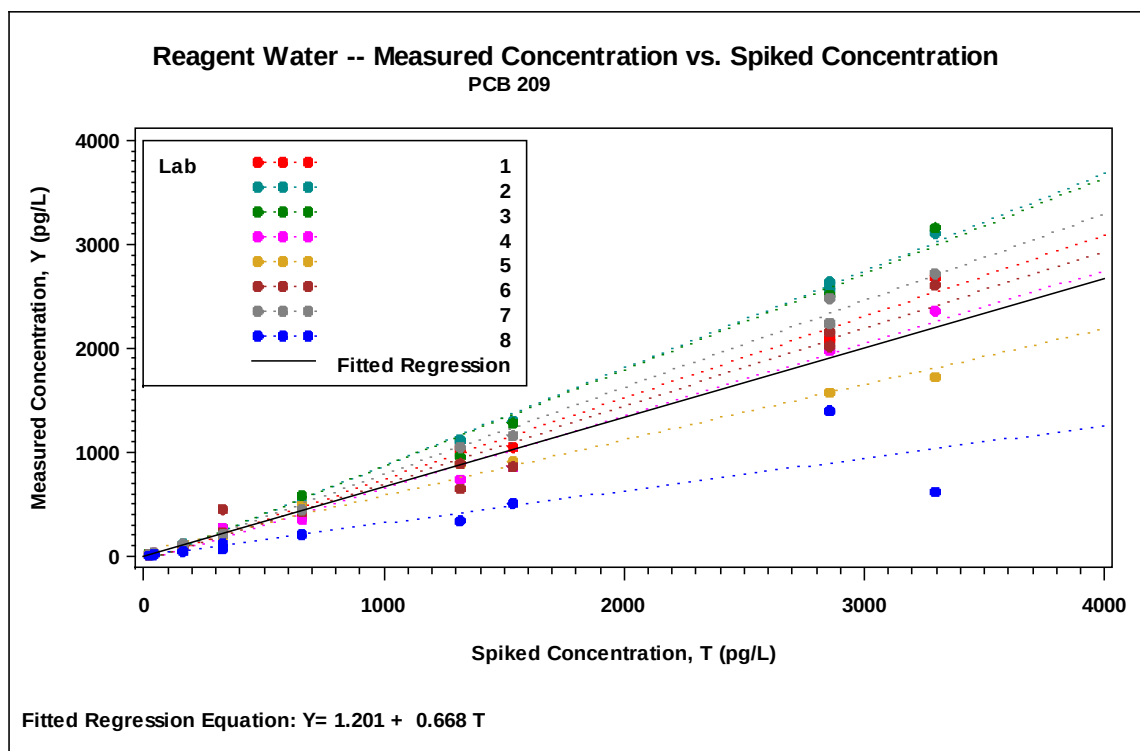
Reagent Water -- Absolute Residuals vs. Spiked Concentration
PCB 206



Variance Model: $\text{Var}(Y|T) = 7.777^{**2} + (-0.124 T)^{**2} + (12.717 + 0.044 T)^{**2}$







G

REAGENT WATER 99%/95% IDE AND IQE VALUES

Appendix G. Reagent Water 99%/95% Interlaboratory Detection Estimate (IDE) and Interlaboratory Quantitation Estimate (IQE) by PCB

PCB	ASTM D2777-03 criteria met?	IDE (pg/L)	IQE 10% (pg/L)	IQE 20% (pg/L)	IQE 30% (pg/L)
1	Y	42.59	.	58.55	36.38
2	Y	33.48	.	43.98	28.25
3	Y	50.07	.	68.46	44.32
4	Y	123.29	.	151.14	95.29
5	Y	33.97	.	41.39	31.77
6	Y	26.88	.	33.30	20.67
7	Y	50.99	.	.	52.44
8	Y	36.94	.	39.92	29.37
9	Y	34.54	.	44.99	28.22
10	Y	22.86	.	46.74	22.59
11	Y	517.69	.	632.04	395.77
12/ 13	Y	65.63	.	.	55.57
14	Y	28.36	.	.	28.92
15	Y	88.33	.	136.91	79.84
16	N	23.22	988.50	44.73	24.80
17	Y	44.39	.	72.60	33.10
18/ 30	Y	114.67	.	.	88.00
19	Y	28.46	.	36.32	22.64
20/ 28	Y	21.60	.	28.25	14.47
21/ 33	Y	12.03	.	13.75	8.29
22	Y	26.02	.	33.00	18.57
23	Y	22.03	.	37.71	22.13
24	N	14.95	.	31.30	16.85
25	Y	23.56	.	32.40	21.52
26/ 29	Y	42.11	.	.	34.57
27	Y	15.12	.	18.11	12.29
31	Y	120.04	.	324.63	107.84
32	Y	20.89	.	23.78	13.51
34	Y	18.81	.	.	16.94
35	Y	24.72	.	35.18	24.15
36	Y	22.12	.	35.43	22.60
37	Y	7.17	.	7.22	4.46
38	Y	17.97	.	27.98	18.26
39	Y	19.83	.	23.97	16.96
40/ 41/ 71	Y	63.35	.	98.41	62.82
42	Y	11.55	61.97	12.70	8.25
43	Y	3.53	21.41	5.09	4.42

Appendix G. Reagent Water 99%/95% Interlaboratory Detection Estimate (IDE) and Interlaboratory Quantitation Estimate (IQE) by PCB

PCB	ASTM D2777-03 criteria met?	IDE (pg/L)	IQE 10% (pg/L)	IQE 20% (pg/L)	IQE 30% (pg/L)
44/ 47/ 65	Y	62.89	.	69.48	37.45
45/ 51	Y	42.98	.	48.26	31.47
46	Y	10.56	.	12.95	8.62
48	Y	18.68	.	21.25	14.62
49/ 69	Y	41.01	.	.	23.93
50/ 53	Y	38.98	.	43.41	29.25
52	Y	111.62	.	204.76	98.50
54	Y	11.13	168.24	15.09	10.46
55	Y	22.66	.	29.12	20.79
56	Y	13.04	.	12.74	9.24
57	Y	35.75	.	.	.
58	Y	24.85	.	30.66	21.73
59/ 62/ 75	Y	51.50	.	71.00	48.91
60	Y	28.63	.	34.50	25.94
61/ 70/ 74/ 76	Y	135.61	.	.	97.86
63	Y	19.45	.	.	16.62
64	Y	24.10	.	50.74	20.61
66	Y	19.69	.	20.37	12.05
67	Y	19.68	.	26.26	19.70
68	Y	28.82	.	.	25.18
72	Y	27.01	.	.	22.33
73	Y	20.93	.	26.93	17.82
77	Y	9.42	.	11.89	8.86
78	Y	18.34	.	24.07	17.25
79	Y	16.47	.	20.50	14.61
80	Y	24.89	.	31.39	22.62
81	Y	11.86	.	17.22	12.23
82	Y	30.38	.	32.45	20.96
83	N	10.28	.	16.91	11.11
83/ 99	N	1.48	11.06	.	.
84	Y	43.81	.	65.29	34.70
85/116/117	Y	131.38	.	.	86.27
86/ 87/ 97/108/119/125	N	97.55	.	122.90	86.30
86/ 87/ 97/109/119/125	N	84.05	.	104.06	60.01
88/ 91	Y	39.21	.	54.62	34.03
89	Y	26.68	56.26	31.98	23.44
90/101/113	Y	113.73	.	164.69	82.48

Appendix G. Reagent Water 99%/95% Interlaboratory Detection Estimate (IDE) and Interlaboratory Quantitation Estimate (IQE) by PCB

PCB	ASTM D2777-03 criteria met?	IDE (pg/L)	IQE 10% (pg/L)	IQE 20% (pg/L)	IQE 30% (pg/L)
92	Y	18.77	.	22.70	12.03
93/ 98/100/102	N	22.37	.	31.25	24.57
93/100	N	10.66	1,327.87	19.16	16.64
94	Y	15.53	.	20.80	14.43
95	Y	137.01	.	.	.
96	Y	33.17	.	.	26.76
99	N	30.14	.	43.64	23.58
103	Y	19.60	.	.	16.47
104	Y	9.37	101.45	12.82	9.38
105	Y	24.25	.	36.85	18.96
106	Y	9.85	.	14.93	11.29
107/124	N	20.69	.	28.48	22.51
108/124	N	64.42	.	.	67.98
109	N	14.91	.	22.33	15.59
110/115	Y	30.18	.	.	43.29
111	Y	24.63	.	27.00	20.22
112	Y	18.78	.	22.69	17.56
114	Y	14.15	.	19.92	13.03
118	Y	65.51	.	105.42	52.25
120	Y	33.39	.	44.38	32.54
121	Y	10.41	.	12.88	9.66
122	Y	23.57	.	28.05	19.56
123	Y	12.60	.	18.46	11.52
126	Y	16.89	.	23.29	16.14
127	Y	16.21	.	21.08	15.26
128/166	Y	30.83	.	45.92	29.97
129/138/160/163	N	30.65	414.69	49.10	26.50
129/138/163	N	128.50	.	245.30	104.00
130	Y	17.37	.	23.22	15.99
131	Y	17.53	55.21	22.58	15.48
132	Y	37.02	.	44.99	23.74
133	Y	36.57	.	53.84	35.19
134/143	N	16.79	127.74	20.31	16.19
135/151	N	4.70	2.81	.	.
135/151/154	N	32.81	113.09	38.74	32.18
136	Y	12.22	.	13.36	8.71
137	N	20.63	.	.	18.06

Appendix G. Reagent Water 99%/95% Interlaboratory Detection Estimate (IDE) and Interlaboratory Quantitation Estimate (IQE) by PCB

PCB	ASTM D2777-03 criteria met?	IDE (pg/L)	IQE 10% (pg/L)	IQE 20% (pg/L)	IQE 30% (pg/L)
139/140	Y	29.81	.	45.52	31.74
141	Y	13.55	.	15.81	10.26
142	Y	14.49	.	24.07	15.92
143	N	16.95	.	25.67	20.46
144	Y	77.47	.	.	45.75
145	Y	19.66	.	37.63	20.40
146	Y	21.36	.	22.24	16.28
147/149	Y	39.36	.	89.32	23.94
148	Y	25.73	.	44.14	25.44
150	Y	17.05	.	22.72	15.98
152	Y	27.82	.	46.92	25.49
153/168	Y	45.60	.	90.91	37.07
154	N	38.87	.	49.90	36.23
155	Y	14.12	.	18.19	13.93
156/157	Y	36.60	.	50.68	32.78
158	Y	15.66	.	23.69	13.63
159	Y	26.64	.	.	20.56
160	N	36.41	.	.	32.21
161	Y	24.75	.	34.77	22.68
162	Y	20.95	.	.	17.60
164	N	4.35	137.10	4.13	2.76
165	Y	20.03	.	34.55	21.49
167	Y	14.48	.	20.89	13.79
169	Y	12.10	.	17.09	10.83
170	Y	29.87	.	54.25	24.61
171/173	Y	22.39	.	23.83	17.66
172	Y	16.69	.	17.88	13.78
174	Y	2.47	.	.	.
175	Y	140.25	.	.	.
176	Y	30.09	.	.	24.99
177	Y	18.15	.	21.28	15.99
178	Y	188.97	.	.	.
179	Y	17.27	.	23.89	12.73
180/193	Y	54.80	.	85.43	41.87
181	Y	14.95	.	20.27	14.07
182	Y	20.75	.	27.39	17.93
183/185	N	28.83	.	35.20	26.87

Appendix G. Reagent Water 99%/95% Interlaboratory Detection Estimate (IDE) and Interlaboratory Quantitation Estimate (IQE) by PCB

PCB	ASTM D2777-03 criteria met?	IDE (pg/L)	IQE 10% (pg/L)	IQE 20% (pg/L)	IQE 30% (pg/L)
184	Y	31.66	.	37.49	28.12
186	Y	41.02	.	160.78	33.17
187	Y	21.91	.	29.57	13.88
188	Y	19.54	.	31.28	20.13
189	Y	11.14	.	13.86	9.28
190	Y	9.64	.	11.89	7.73
191	Y	12.39	.	14.10	10.34
192	Y	28.66	.	33.87	24.68
194	Y	42.74	.	193.98	45.87
195	Y	38.18	.	.	34.95
196	Y	23.08	.	28.53	19.29
197	N	23.97	.	28.42	21.56
197/200	N	41.00	.	88.62	47.02
198/199	Y	78.73	.	296.74	101.44
200	N	18.37	.	.	12.00
201	Y	43.75	.	.	41.61
202	Y	21.85	.	27.15	19.32
203	Y	20.82	.	24.92	15.72
204	Y	23.92	.	.	18.21
205	Y	12.05	.	17.21	10.77
206	Y	74.97	.	259.02	86.46
207	Y	18.82	.	64.51	19.38
208	Y	19.33	.	104.32	18.32
209	Y	25.98	.	.	18.31

H

**REPORTED METHOD BLANK AND SPIKED AND
UNSPIKED RESULTS FOR WASTEWATER SAMPLES**

Appendix H. Reported Method Blank and Unspiked and Spiked Results for Two Composite Wastewater Samples

PCB	Spike level (pg/L)	MB 1	MB 2	Comp. A	Comp. B	Spike level (pg/L)	Comp. A	Comp. B	Spike level (pg/L)	Comp. A	Comp. B	Spike level (pg/L)	Comp. A	Comp. B	Spike level (pg/L)	Comp. A	Comp. B
1	0	3.44	3.18	2.57	2.72	100	91	79.3	400	342	399	800	808	795	1600	1330	1170
2	0	2.05	2.09	2.38	2.36	100	79.8	73.5	400	256	380	800	768	788	1600	960	964
3	0	4.14	3.85*	4.97	4.21	100	88.2	69.7	400	330	396	800	781	770	1600	1270	878
4	0	*	*	*	*	100	105	115	400	420	426	800	854	885	1600	1670	1740
5	0	*	*	*	*	500	430	367	500	435	497	2000	1860	1930	2000	1770	1550
6	0	*	*	2.14*	*	100	93.9	90.6	400	366	433	800	790	811	1600	1470	1480
7	0	*	*	*	*	500	435	459	500	472	521	2000	1830	1880	2000	1780	1800
8	0	3.93*	*	8.73	2.77	100	105	86.5	400	348	417	800	742	794	1600	1430	1370
9	0	*	*	*	*	100	86.6	87.3	400	369	416	800	749	770	1600	1400	1340
10	0	*	*	*	*	500	435	451	500	497	462	2000	1740	1760	2000	1840	1880
11	0	11.7	12.1	47.5	8.88	580	653	574	580	636	643	2320	2420	2490	2320	2460	2300
12/ 13	0	*	*	*	*	645	637	594	1020	904	980	3080	2960	3130	4080	3870	3530
14	0	*	*	*	*	520	527	463	520	548	619	2080	2240	2300	2080	2080	1860
15	0	*	*	18.6	4.02	150	161	154	600	610	632	1200	1290	1310	2400	2310	2490
16	0	2.51	0.872	2.37*	1.65	100	97.8	102	400	394	428	800	871	814	1600	1570	1660
17	0	1.75*	0.931*	1.89*	1.62*	500	407	427	500	451	511	2000	1830	1770	2000	1710	1770
18/ 30	0	4.67	2.34*	4.46	3.87	540	459	464	840	747	839	2560	2430	2270	3360	2780	3020
19	0	1.25*	0.793	0.576*	1.63	100	110	110	400	446	442	800	902	911	1600	1770	1750
20/ 28	0	6.06	3.23*	12.2	5.67	250	245	235	1000	953	999	2000	1950	1920	4000	3810	3630
21/ 33	0	3.64	0.839*	5.64	2.53	705	588	570	1080	966	1050	3320	2950	3070	4320	3700	3700
22	0	2.69	*	5.15	1.97	100	110	102	400	410	424	800	867	886	1600	1680	1590
23	0	*	*	*	*	115	95.6	89.8	460	416	474	920	851	837	1840	1580	1560
24	0	*	*	*	0.567*	500	415	424	500	455	534	2000	1800	1780	2000	1710	1760
25	0	*	*	*	*	100	112	114	400	411	435	800	837	827	1600	1560	1520
26/ 29	0	1.47*	0.869*	1.71*	2.64*	650	553	556	1100	1010	1100	3200	2910	2830	4400	3790	3820
27	0	*	*	*	*	150	128	130	600	535	607	1200	1120	1100	2400	2110	2090
31	0	4.93	1.64	9.24	4.14	500	417	407	500	470	493	2000	1760	1710	2000	1680	1660

H-2

*** Indicates reported value does not meet one or more qualitative criteria and is not used in subsequent statistical analyses**

Appendix H. Reported Method Blank and Unspiked and Spiked Results for Two Composite Wastewater Samples

PCB	Spike level (pg/L)	MB 1	MB 2	Comp. A	Comp. B	Spike level (pg/L)	Comp. A	Comp. B	Spike level (pg/L)	Comp. A	Comp. B	Spike level (pg/L)	Comp. A	Comp. B	Spike level (pg/L)	Comp. A	Comp. B
32	0	1.3*	0.547*	2.08*	1.52*	500	426	373	500	446	454	2000	1690	1650	2000	1690	1640
34	0	*	*	*	*	150	124	125	600	544	598	1200	1070	1060	2400	2030	2070
35	0	*	*	*	0.728*	520	494	492	520	495	503	2080	2100	2110	2080	2140	1980
36	0	*	*	*	*	140	126	126	560	567	587	1120	1080	1090	2240	2140	2010
37	0	2.47	0.879*	4.01	1.26	500	403	431	500	451	484	2000	1910	1880	2000	1760	1800
38	0	*	*	*	*	580	486	497	580	539	587	2320	2120	2170	2320	2060	2020
39	0	*	*	*	*	115	119	119	460	464	482	920	976	975	1840	1870	1730
40/ 41/ 71	0	2.76	0.893	2.52	2.87	750	628	617	1500	1460	1460	4000	3660	3550	6000	5410	5400
42	0	0.838*	*	*	*	150	143	141	600	596	604	1200	1200	1160	2400	2200	2150
43	0	*	*	*	*	440	354	354	440	453	430	1760	1540	1400	1760	1500	1460
44/ 47/ 65	0	4.28	1.87*	4.51	5.19	830	720	698	1580	1510	1610	4320	4170	3930	6320	5410	5380
45/ 51	0	1.35	*	0.575*	1.45	1020	760	733	1020	866	943	4080	3460	3290	4080	3060	3260
46	0	*	*	*	*	500	388	387	500	429	455	2000	1710	1630	2000	1520	1670
48	0	1.39	*	0.615*	0.548	500	411	401	500	494	507	2000	1830	1740	2000	1650	1700
49/ 69	0	2.54	1.41*	2.53	3.02	275	232	225	1100	1040	1100	2200	2060	1920	4400	3710	3790
50/ 53	0	0.504*	0.543*	*	1.01*	1100	776	782	1100	916	1040	4400	3730	3510	4400	3180	3460
52	0	6.23*	5.2	8.54	8.33	100	92.9	90.3	400	399	425	800	765	727	1600	1370	1400
54	0	*	*	*	0.673	520	497	493	520	510	491	2080	2010	2000	2080	1980	2000
55	0	*	*	*	*	440	377	376	440	460	478	1760	1790	1750	1760	1720	1680
56	0	1.91	*	2.17	1.33	100	110	105	400	493	456	800	916	874	1600	1840	1800
57	0	*	*	*	*	580	492	478	580	598	604	2320	2190	2050	2320	2100	2060
58	0	*	*	*	*	440	390	381	440	467	491	1760	1710	1680	1760	1690	1660
59/ 62/ 75	0	*	*	*	0.648	760	643	614	1480	1420	1500	4000	3780	3580	5920	5100	5110
60	0	1.16*	*	1.3*	1.09	500	469	451	500	541	498	2000	2090	1980	2000	2010	1980
61/ 70/ 74/ 76	0	5.39	2.83	8.71	5.6	1620	1380	1360	1920	2020	2090	6880	6750	6370	7680	7210	7140
63	0	*	*	*	*	125	101	111	500	511	535	1000	985	930	2000	1900	1840
64	0	1.9	*	*	1.51	125	113	110	500	489	508	1000	978	929	2000	1810	1780

*** Indicates reported value does not meet one or more qualitative criteria and is not used in subsequent statistical analyses**

Appendix H. Reported Method Blank and Unspiked and Spiked Results for Two Composite Wastewater Samples

PCB	Spike level (pg/L)	MB 1	MB 2	Comp. A	Comp. B	Spike level (pg/L)	Comp. A	Comp. B	Spike level (pg/L)	Comp. A	Comp. B	Spike level (pg/L)	Comp. A	Comp. B	Spike level (pg/L)	Comp. A	Comp. B
66	0	3.01	*	2.82*	2.45	100	82.7	96.2	400	427	441	800	838	792	1600	1640	1570
67	0	*	*	*	*	100	88.9	93.2	400	423	452	800	857	820	1600	1490	1570
68	0	*	*	*	*	115	99.9	101	460	484	504	920	966	878	1840	1720	1610
72	0	*	*	*	*	140	113	113	560	556	548	1120	1040	972	2240	2000	1860
73	0	*	*	*	*	520	418	400	520	476	538	2080	1920	1850	2080	1680	1710
77	0	1.13	*	1.06*	0.775	125	91.2	97.6	500	412	458	1000	926	898	2000	1600	1700
78	0	*	*	*	*	140	120	119	560	540	549	1120	1100	1060	2240	2100	2010
79	0	*	*	*	*	140	122	132	560	553	582	1120	1140	1090	2240	2080	1980
80	0	*	*	*	*	115	98.3	98.7	460	489	499	920	943	858	1840	1760	1640
81	0	*	*	*	*	520	402	410	520	443	478	2080	1960	1830	2080	1730	1820
82	0	0.642*	*	0.646	*	100	100	85.1	400	376	331	800	817	757	1600	1590	1470
83/ 99	0	1.56	*	3.27	1.62*	600	486	439	900	843	799	2800	2440	2310	3600	3290	2950
84	0	*	*	1.83	2.58	500	411	375	500	413	405	2000	1770	1650	2000	1650	1640
85/116/117	0	0.933*	*	1.53*	1.46	760	678	614	1480	1350	1260	4000	3950	3620	5920	5430	4860
86/ 87/ 97/108/119/125	0	2.39*	0.876	4.55	3.84	1510	1230	1110	2980	2730	2600	8000	7550	6990	11920	11100	9910
88/ 91	0	0.814*	*	0.938*	0.771*	240	198	181	960	814	837	1920	1800	1640	3840	3260	3100
89	0	*	*	*	*	140	121	107	560	473	453	1120	1030	968	2240	1930	1780
90/101/113	0	2.89*	1.73*	6.3	4.22	1250	1040	941	1700	1490	1470	5600	5270	4760	6800	5930	5490
92	0	*	*	1.03*	0.926*	150	127	113	600	538	510	1200	1150	1060	2400	2110	1890
93/ 95/ 98/100/102	0	2.92*	1.65*	4.6	6.49	1890	1490	1390	2760	2320	2370	8720	8010	7310	11040	8900	8480
94	0	*	*	*	*	115	94.8	89.4	460	406	417	920	895	832	1840	1560	1540
96	0	*	*	*	*	140	92.3	86	560	367	402	1120	889	815	2240	1520	1550
103	0	*	*	*	*	500	347	324	500	383	402	2000	1700	1520	2000	1450	1400
104	0	*	*	*	*	125	121	113	500	502	487	1000	1020	970	2000	1990	1900
105	0	1.62	0.754	3*	1.33*	150	132	122	600	581	555	1200	1230	1050	2400	2340	2190
106	0	*	*	*	*	140	113	109	560	531	489	1120	1150	1030	2240	2090	1820

*** Indicates reported value does not meet one or more qualitative criteria and is not used in subsequent statistical analyses**

Appendix H. Reported Method Blank and Unspiked and Spiked Results for Two Composite Wastewater Samples

PCB	Spike level (pg/L)	MB 1	MB 2	Comp. A	Comp. B	Spike level (pg/L)	Comp. A	Comp. B	Spike level (pg/L)	Comp. A	Comp. B	Spike level (pg/L)	Comp. A	Comp. B	Spike level (pg/L)	Comp. A	Comp. B
107/124	0	*	*	*	*	660	567	537	1080	1050	983	3200	3360	2870	4320	4160	3740
109	0	*	*	*	*	500	397	369	500	447	442	2000	1990	1740	2000	1840	1570
110/115	0	3.05*	0.884*	6.8	5.09*	600	517	461	900	869	807	2800	2740	2480	3600	3380	3100
111	0	*	*	*	*	115	99.4	94.4	460	436	419	920	943	847	1840	1760	1550
112	0	*	*	*	*	440	348	321	440	395	367	1760	1650	1480	1760	1490	1380
114	0	*	*	*	*	125	113	109	500	494	482	1000	1030	909	2000	1990	1810
118	0	2.72	1.94*	7.27	4.13*	150	139	133	600	599	556	1200	1260	1070	2400	2350	2200
120	0	*	*	*	*	440	347	309	440	385	369	1760	1640	1490	1760	1530	1350
121	0	*	*	*	*	115	98.9	88.2	460	406	415	920	898	803	1840	1630	1470
122	0	*	*	*	*	520	477	423	520	522	466	2080	2120	1890	2080	2040	1860
123	0	0.629*	*	*	*	125	127	114	500	487	497	1000	1080	928	2000	1910	1890
126	0	*	*	*	*	580	429	408	580	503	529	2320	2090	1900	2320	1970	1860
127	0	*	*	*	*	580	446	430	580	531	509	2320	2230	2000	2320	2120	1900
128/166	0	*	*	1.02	*	290	257	216	1160	1110	996	2320	2350	2050	4640	4430	3990
129/138/160/163	0	3.01	1.15*	7.96	4.72	860	804	692	1880	1890	1710	4800	4920	4420	7520	7400	6500
130	0	*	*	*	*	520	440	370	520	504	464	2080	1940	1770	2080	1890	1700
131	0	*	*	*	*	500	417	347	500	469	450	2000	1830	1610	2000	1760	1590
132	0	0.713*	*	1.78	1.84*	500	429	370	500	471	435	2000	1910	1710	2000	1880	1670
133	0	*	*	*	*	580	462	392	580	548	527	2320	2060	1850	2320	2020	1790
134/143	0	*	*	*	*	265	229	193	1060	995	961	2120	2020	1800	4240	3850	3420
135/151/154	0	1.15*	*	2.03*	1.96	1170	907	780	1620	1430	1450	5280	4740	4150	6480	5530	4810
136	0	*	*	*	0.599*	150	114	98.1	600	482	504	1200	1040	929	2400	1930	1780
137	0	*	*	*	*	125	100	96	500	498	458	1000	979	929	2000	1930	1670
139/140	0	*	*	*	*	695	565	485	1040	978	934	3240	3050	2610	4160	3730	3300
141	0	*	*	1.97	1.1*	500	403	346	500	481	454	2000	1800	1620	2000	1760	1600
142	0	*	*	*	*	115	99.9	84.7	460	442	426	920	895	797	1840	1690	1530
144	0	*	*	*	*	150	121	105	600	532	534	1200	1100	978	2400	2090	1870

*** Indicates reported value does not meet one or more qualitative criteria and is not used in subsequent statistical analyses**

Appendix H. Reported Method Blank and Unspiked and Spiked Results for Two Composite Wastewater Samples

PCB	Spike level (pg/L)	MB 1	MB 2	Comp. A	Comp. B	Spike level (pg/L)	Comp. A	Comp. B	Spike level (pg/L)	Comp. A	Comp. B	Spike level (pg/L)	Comp. A	Comp. B	Spike level (pg/L)	Comp. A	Comp. B
145	0	*	*	*	*	580	448	384	580	502	524	2320	2080	1830	2320	1920	1720
146	0	*	*	1.04*	*	100	91.9	78.8	400	394	375	800	834	697	1600	1520	1360
147/149	0	2.19	0.858*	4.46*	4.14	600	521	429	900	888	835	2800	2620	2300	3600	3290	2990
148	0	*	*	*	*	115	92.6	77.3	460	414	417	920	835	739	1840	1590	1370
150	0	*	*	*	*	115	92.3	79.4	460	412	426	920	862	742	1840	1590	1390
152	0	*	*	*	*	140	105	93.3	560	457	490	1120	977	861	2240	1770	1640
153/168	0	2.67*	1.4*	5.86	3.94	215	198	169	860	883	819	1720	1770	1600	3440	3390	2990
155	0	*	*	*	*	115	110	92.1	460	486	425	920	980	885	1840	1860	1670
156/157	0	0.787*	0.842*	1.54*	0.817	275	256	221	1100	1090	984	2200	2210	1940	4400	4460	3960
158	0	*	*	1.26*	*	150	137	123	600	562	526	1200	1200	1050	2400	2160	1960
159	0	*	*	*	*	440	338	295	440	415	384	1760	1650	1420	1760	1550	1390
161	0	*	*	*	*	580	433	398	580	531	518	2320	2160	1900	2320	2030	1820
162	0	*	*	*	*	115	103	86.5	460	472	440	920	960	878	1840	1820	1630
164	0	*	*	0.537*	*	500	421	352	500	497	461	2000	1850	1640	2000	1840	1670
165	0	*	*	*	*	520	433	367	520	503	468	2080	1890	1700	2080	1880	1700
167	0	*	*	*	*	125	130	110	500	524	458	1000	1070	942	2000	2060	1890
169	0	*	0.541*	*	*	580	481	423	580	590	537	2320	2390	1950	2320	2260	2070
170	0	0.662*	*	1.74	1.22*	500	439	337	500	493	427	2000	1890	1630	2000	1900	1610
171/173	0	*	*	*	0.69	600	549	433	900	901	766	2800	2900	2410	3600	3490	3000
172	0	*	*	*	*	500	432	340	500	485	441	2000	1920	1650	2000	1880	1570
174	0	*	*	1.5	0.823*	100	99.9	80.6	400	416	359	800	855	732	1600	1650	1390
175	0	*	*	*	*	520	443	363	520	505	444	2080	1990	1650	2080	1960	1630
176	0	*	*	*	*	125	105	85.3	500	473	429	1000	1010	857	2000	1860	1530
177	0	*	*	0.94	*	100	108	83.1	400	434	363	800	897	755	1600	1760	1450
178	0	*	*	*	0.851*	500	416	332	500	476	416	2000	1970	1630	2000	1850	1520
179	0	*	*	0.581*	*	100	94.3	72.2	400	385	344	800	847	713	1600	1530	1270
180/193	0	1.45	1.28	4.7	1.8	600	568	442	900	943	829	2800	2820	2500	3600	3650	2970

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*** Indicates reported value does not meet one or more qualitative criteria and is not used in subsequent statistical analyses**

Appendix H. Reported Method Blank and Unspiked and Spiked Results for Two Composite Wastewater Samples

PCB	Spike level (pg/L)	MB 1	MB 2	Comp. A	Comp. B	Spike level (pg/L)	Comp. A	Comp. B	Spike level (pg/L)	Comp. A	Comp. B	Spike level (pg/L)	Comp. A	Comp. B	Spike level (pg/L)	Comp. A	Comp. B
181	0	*	*	*	*	580	537	422	580	604	529	2320	2490	2050	2320	2360	1950
182	0	*	*	*	*	140	129	101	560	556	495	1120	1200	978	2240	2260	1840
183/185	0	0.552	*	1.39*	0.752*	625	560	444	1000	976	868	3000	3130	2540	4000	3870	3120
184	0	*	*	*	*	140	106	83.1	560	463	423	1120	1010	845	2240	1850	1490
186	0	*	*	*	*	440	381	299	440	431	381	1760	1780	1510	1760	1680	1390
187	0	0.643	0.601*	2.33	1.52	100	103	84.7	400	427	365	800	908	738	1600	1690	1360
188	0	*	*	*	*	115	98.2	77.2	460	442	401	920	917	797	1840	1750	1480
189	0	*	*	*	0.758*	125	104	87.2	500	496	497	1000	1030	882	2000	1880	1590
190	0	*	*	*	*	150	140	115	600	590	558	1200	1220	1080	2400	2430	2030
191	0	*	*	*	*	150	131	110	600	579	528	1200	1210	1070	2400	2330	1960
192	0	*	*	*	*	440	394	313	440	447	406	1760	1720	1500	1760	1740	1430
194	0	*	*	1.33*	0.713*	100	97.6	75.5	400	390	365	800	835	749	1600	1540	1330
195	0	*	*	*	*	100	94.1	72.1	400	397	359	800	934	805	1600	1600	1370
196	0	*	*	*	*	500	412	324	500	481	419	2000	1900	1710	2000	1780	1530
197/200	0	*	*	*	*	600	862	652	900	970	918	2800	3900	3370	3600	3690	3110
198/199	0	*	*	1.42	1.25*	960	452	344	960	790	733	3840	2470	2200	3840	3170	2620
201	0	*	*	*	*	520	427	326	520	485	454	2080	1980	1730	2080	1870	1560
202	0	*	*	*	*	520	466	346	520	530	476	2080	2200	1820	2080	2030	1700
203	0	*	*	0.82*	0.852*	100	90.7	73.1	400	406	389	800	863	779	1600	1580	1360
204	0	*	*	*	*	140	108	86.8	560	485	474	1120	1020	892	2240	1900	1580
205	0	0.537*	*	*	*	500	459	365	500	508	485	2000	2090	1890	2000	2070	1680
206	0	1.26*	*	1.89*	1.22*	100	107	83.6	400	435	387	800	883	778	1600	1640	1370
207	0	*	*	*	*	150	155	120	600	627	584	1200	1350	1150	2400	2460	2030
208	0	*	*	*	*	150	160	123	600	659	623	1200	1400	1190	2400	2620	2150
209	0	1.45	0.801	2	1.38	150	148	113	600	595	549	1200	1270	1170	2400	2310	1940

*** Indicates reported value does not meet one or more qualitative criteria and is not used in subsequent statistical analyses**

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RELATIVE PERCENT DIFFERENCE FOR DUPLICATE SPIKED WASTEWATER SAMPLES FOR SELECTED PCBS

Appendix I.

PCB	Composite A-4x	Composite B-4x	Composite A-16x	Composite B-16x
5	1.2	30.1	5.0	21.8
7	8.2	12.7	2.8	4.3
10	13.3	2.4	5.6	6.6
11	2.6	11.3	1.6	7.9
14	3.9	28.8	7.4	21.2
17	10.3	17.9	6.8	0.0
24	9.2	23.0	5.1	1.1
31	12.0	19.1	4.7	3.0
32	4.6	19.6	0.0	0.6
35	0.2	2.2	1.9	6.4
37	11.2	11.6	8.2	4.3
38	10.3	16.6	2.9	7.2
43	24.5	19.4	2.6	4.2
45/ 51	13.0	25.1	12.3	0.9
46	10.0	16.2	11.8	2.4
48	18.3	23.3	10.3	2.3
50/ 53	16.5	28.3	15.9	1.4
54	2.6	0.4	1.5	0.0
55	19.8	23.9	4.0	4.1
57	19.4	23.3	4.2	0.5
58	18.0	25.2	1.2	1.2
60	14.3	9.9	3.9	0.0
73	13.0	29.4	13.3	7.9
81	9.7	15.3	12.5	0.5
84	0.5	7.7	7.0	0.6
103	9.9	21.5	15.9	8.2
109	11.8	18.0	7.8	10.3
112	12.7	13.4	10.2	7.0
120	10.4	17.7	6.9	9.9
122	9.0	9.7	3.8	1.6
126	15.9	25.8	5.9	2.1
127	17.4	16.8	5.1	5.1
130	13.6	22.5	2.6	4.0
131	11.7	25.8	3.9	1.3
132	9.3	16.1	1.6	2.4
133	17.0	29.4	2.0	3.3
141	17.6	27.0	2.2	1.2
145	11.4	30.8	8.0	6.2
159	20.5	26.2	6.3	2.1

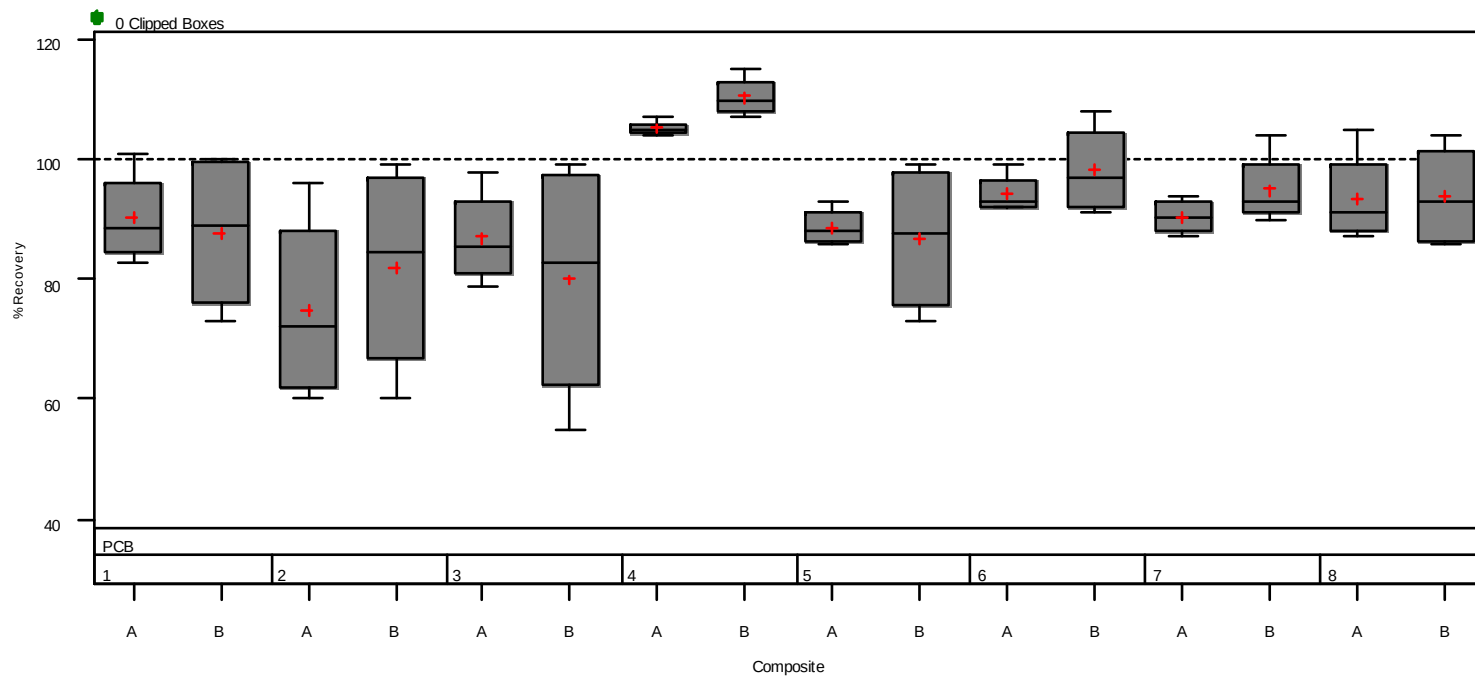
Appendix I. Relative Percent Difference for Duplicate Spiked Wastewater Samples for Selected PCBs

PCB	Composite A-4x	Composite B-4x	Composite A-16x	Composite B-16x
161	20.3	26.2	6.2	4.3
164	16.6	26.8	0.5	1.8
165	15.0	24.2	0.5	0.0
169	20.4	23.8	5.6	6.0
170	11.6	23.6	0.5	1.2
172	11.6	25.9	2.1	5.0
175	13.1	20.1	1.5	1.2
178	13.5	22.5	6.3	7.0
181	11.7	22.5	5.4	5.0
186	12.3	24.1	5.8	8.3
192	12.6	25.9	1.2	4.8
196	15.5	25.6	6.5	11.1
198/199	54.4	72.2	24.8	17.4
201	12.7	32.8	5.7	10.3
202	12.9	31.6	8.0	6.8
205	10.1	28.2	1.0	11.8

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**BOX PLOTS OF PCB PERCENT RECOVERY IN ASH
POND WASTEWATER**

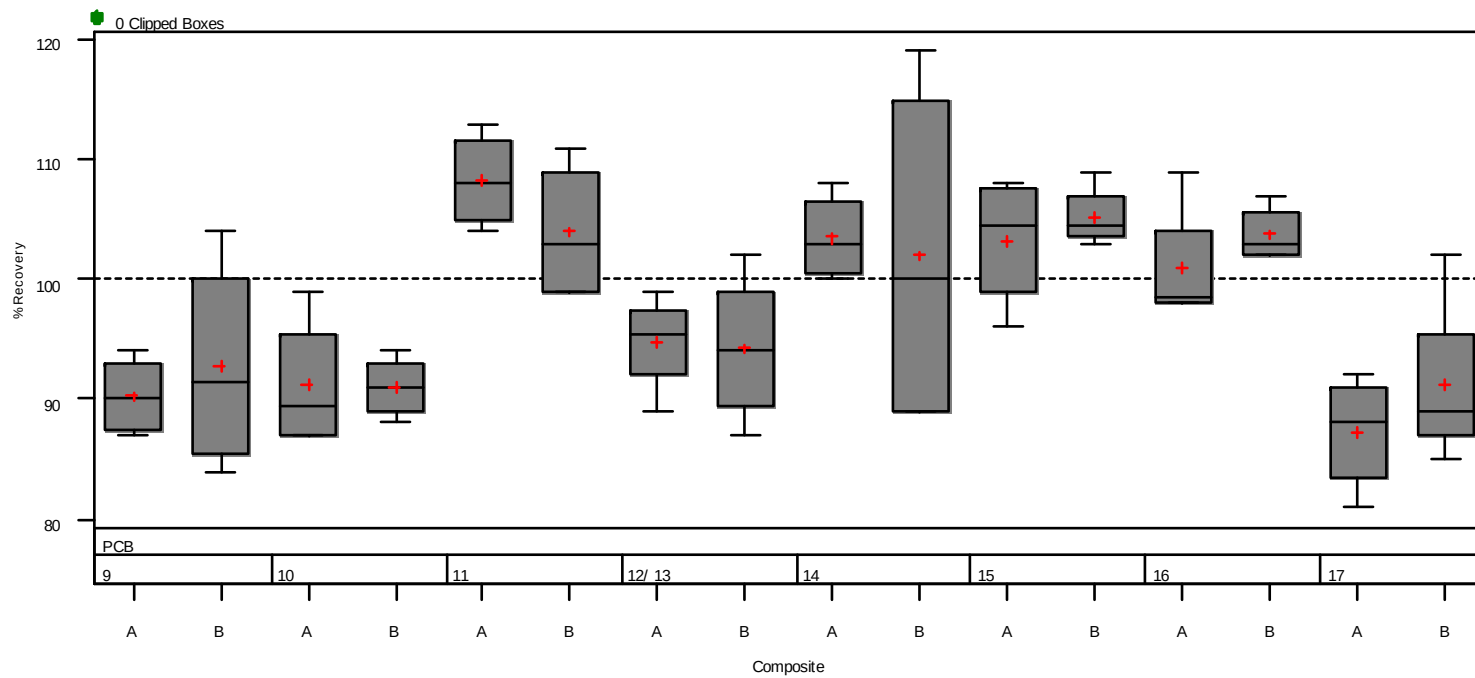
PCB Percent Recovery in Wastewater



N	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
Min	83.00	73.00	60.00	60.00	79.00	55.00	104.00	107.00	86.00	73.00	92.00	91.00	87.00	90.00	87.00	86.00
Max	101.00	100.00	96.00	99.00	98.00	99.00	107.00	115.00	93.00	99.00	99.00	108.00	94.00	104.00	105.00	104.00

Red plus = mean; Blue square = extreme value (lab number); Gray box = mid 50% of data;

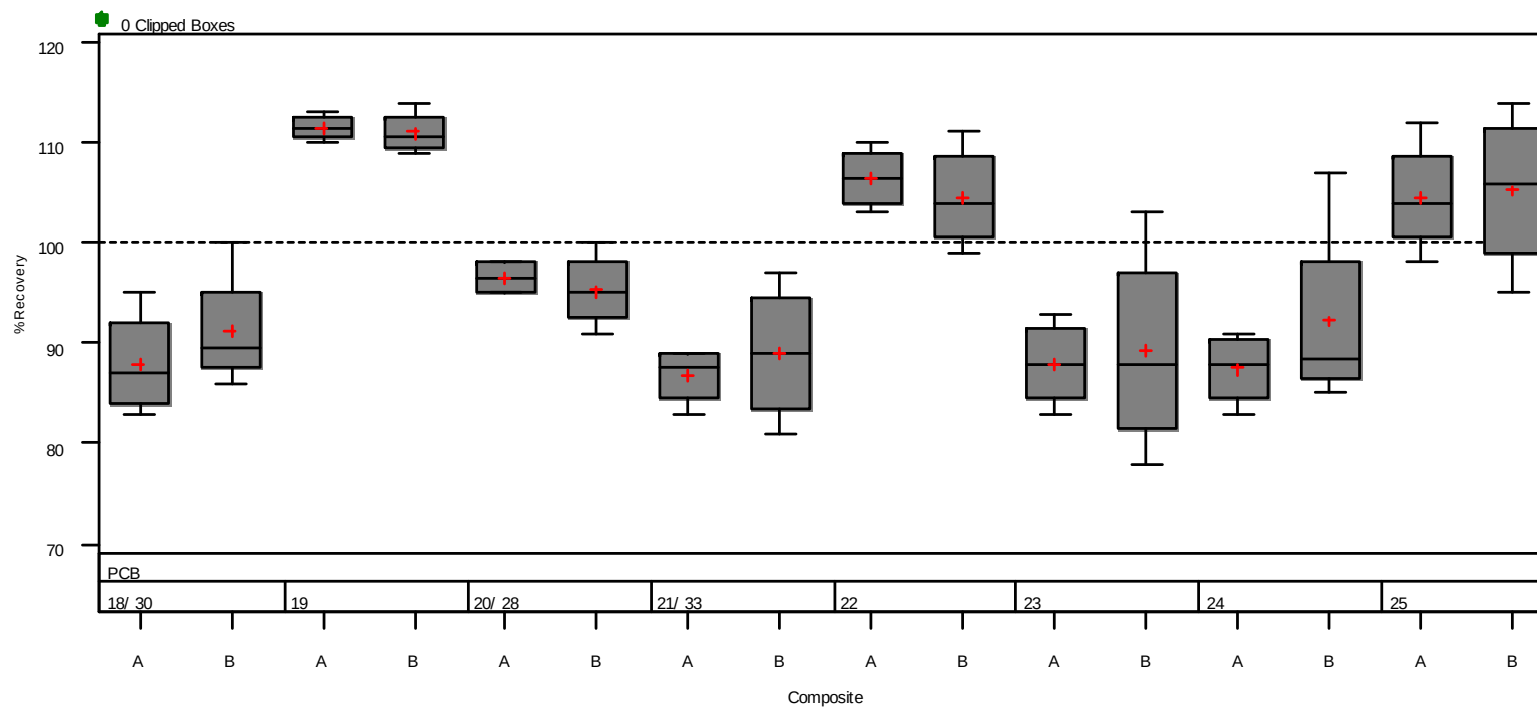
PCB Percent Recovery in Wastewater



N	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
Min	87.00	84.00	87.00	88.00	104.00	99.00	89.00	87.00	100.00	89.00	96.00	103.00	98.00	102.00	81.00
Max	94.00	104.00	99.00	94.00	113.00	111.00	99.00	102.00	108.00	119.00	108.00	109.00	109.00	107.00	92.00

Red plus = mean; Blue square = extreme value (lab number); Gray box = mid 50% of data;

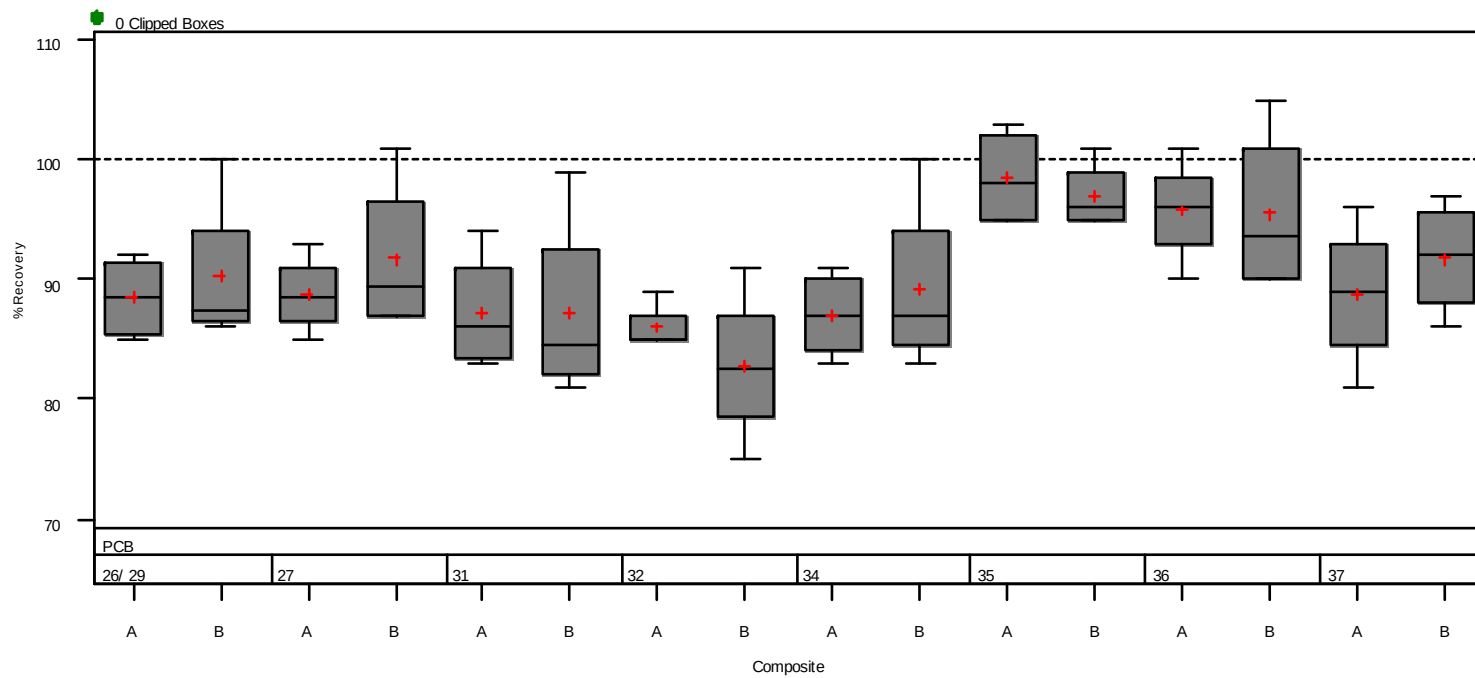
PCB Percent Recovery in Wastewater



N	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
Min	83.00	86.00	110.00	109.00	95.00	91.00	83.00	81.00	103.00	99.00	83.00	78.00	83.00	85.00	98.00
Max	95.00	100.00	113.00	114.00	98.00	100.00	89.00	97.00	110.00	111.00	93.00	103.00	91.00	107.00	114.00

Red plus = mean; Blue square = extreme value (lab number); Gray box = mid 50% of data;

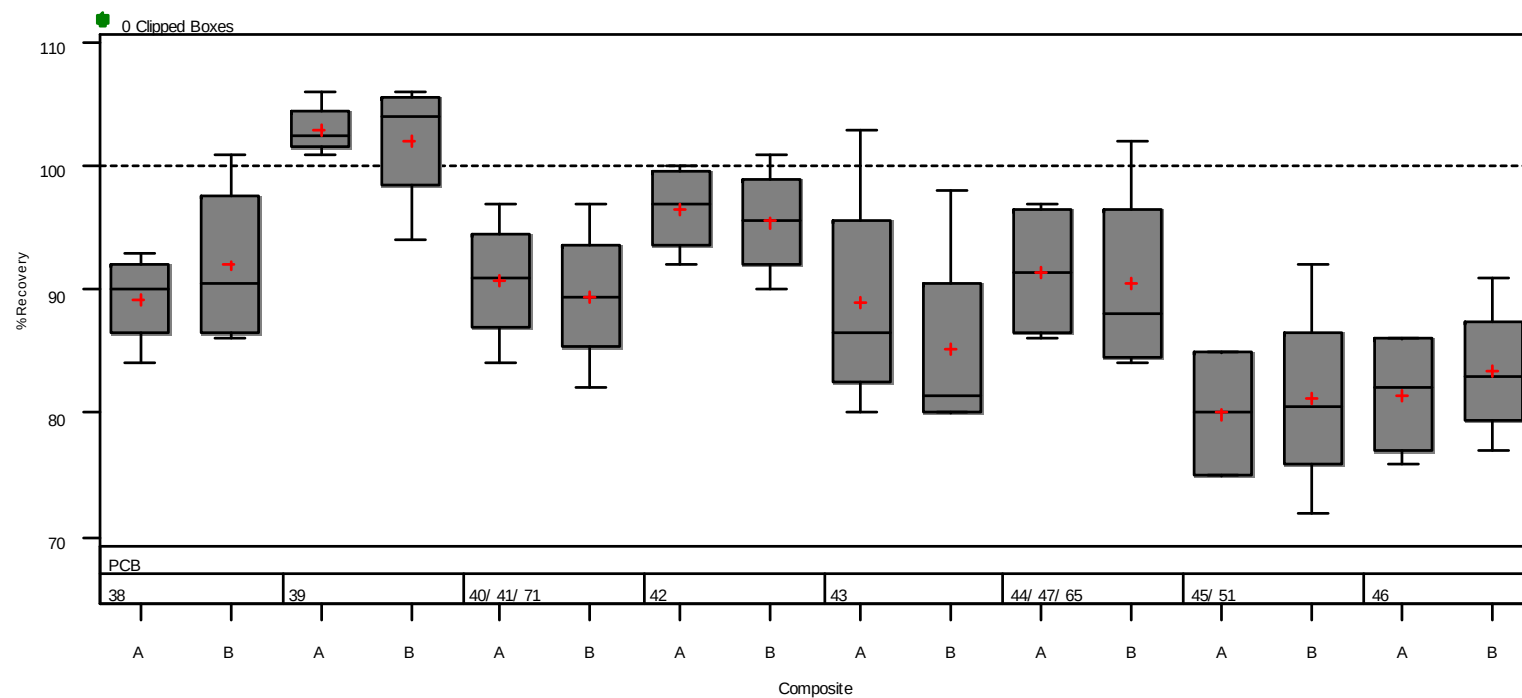
PCB Percent Recovery in Wastewater



N	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
Min	85.00	86.00	85.00	87.00	83.00	81.00	85.00	75.00	83.00	83.00	95.00	95.00	90.00	90.00	81.00
Max	92.00	100.00	93.00	101.00	94.00	99.00	89.00	91.00	91.00	100.00	103.00	101.00	101.00	105.00	96.00

Red plus = mean; Blue square = extreme value (lab number); Gray box = mid 50% of data;

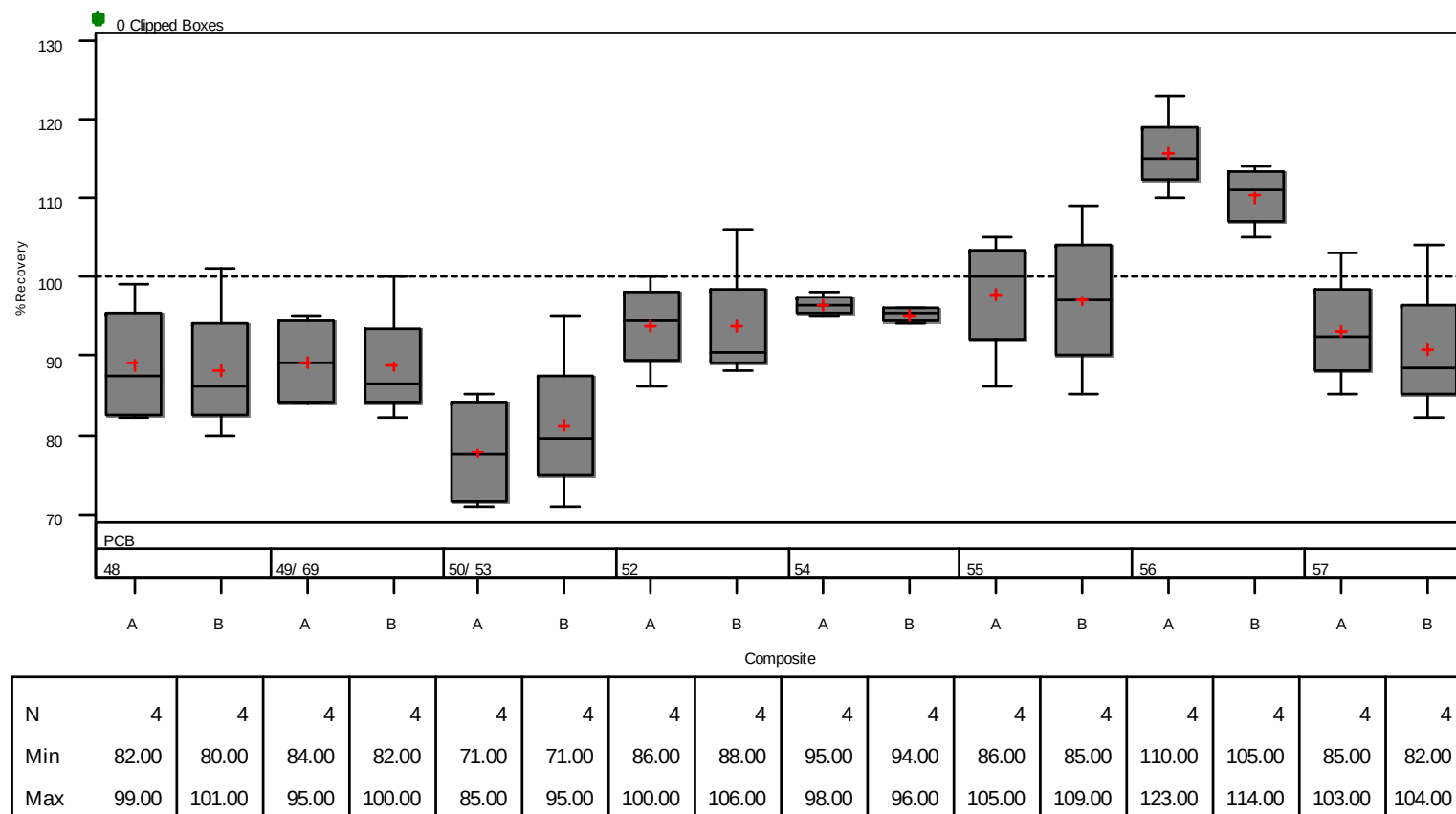
PCB Percent Recovery in Wastewater



Composite															
N	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
Min	84.00	86.00	101.00	94.00	84.00	82.00	92.00	90.00	80.00	80.00	86.00	84.00	75.00	72.00	76.00
Max	93.00	101.00	106.00	106.00	97.00	97.00	100.00	101.00	103.00	98.00	97.00	102.00	85.00	92.00	86.00

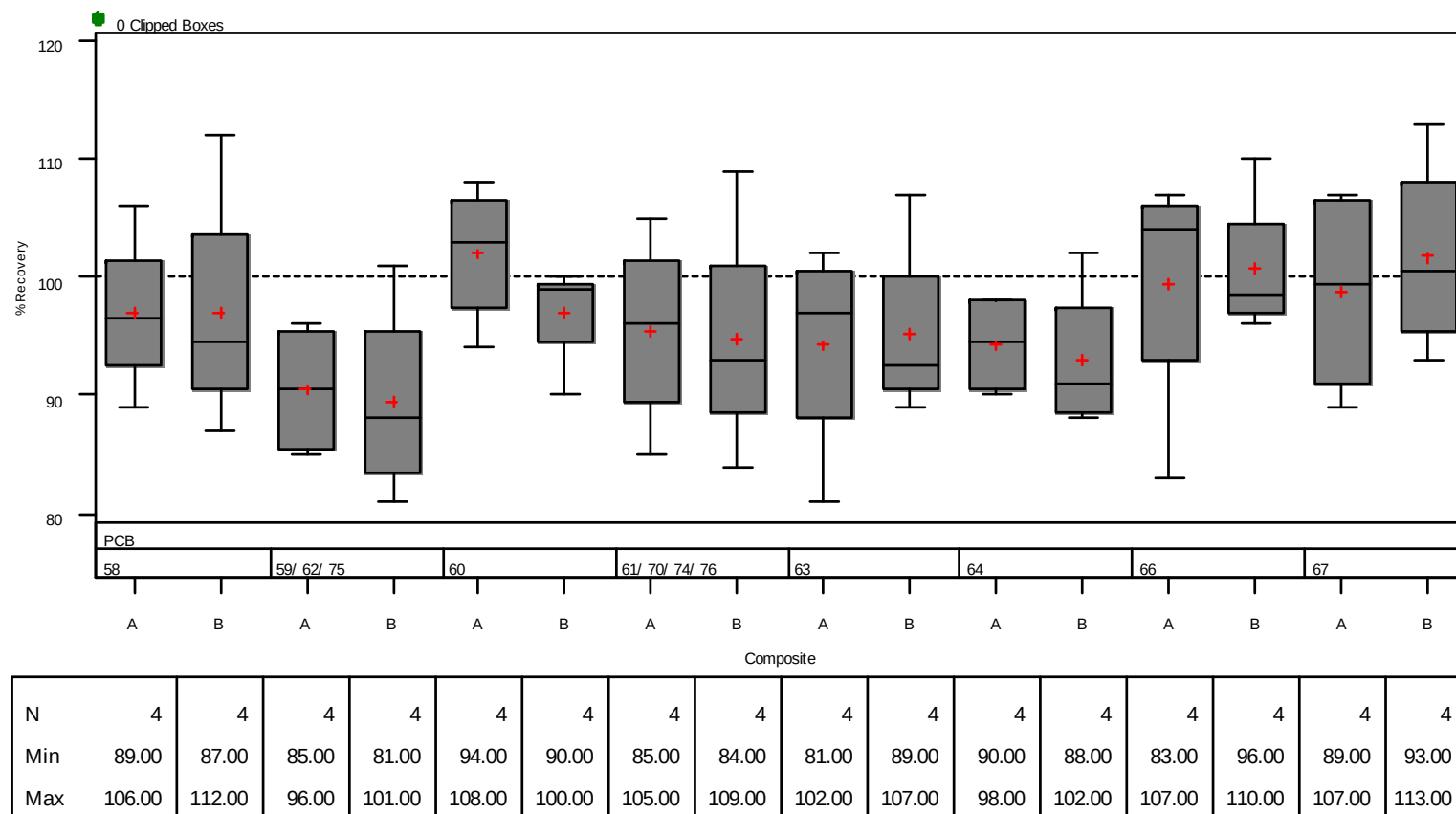
Red plus = mean; Blue square = extreme value (lab number); Gray box = mid 50% of data;

PCB Percent Recovery in Wastewater



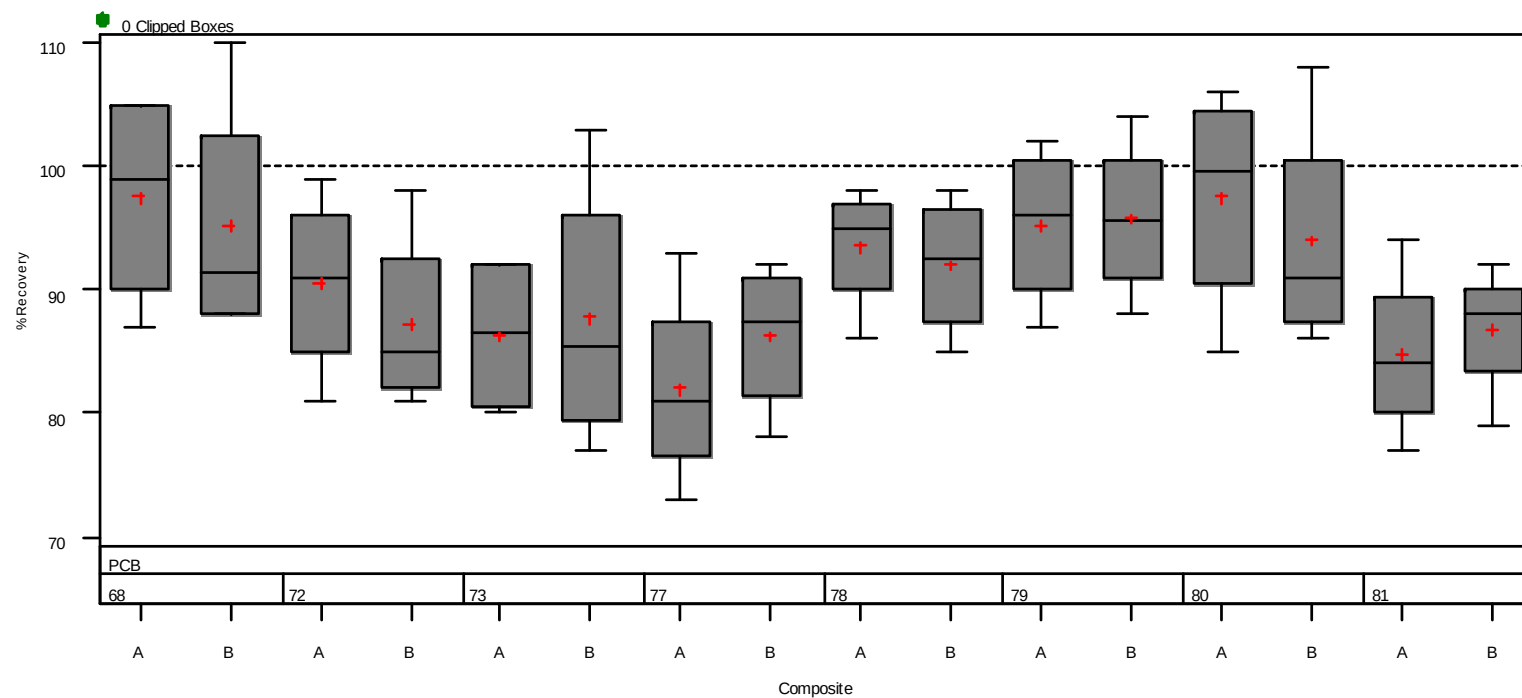
Red plus = mean; Blue square = extreme value (lab number); Gray box = mid 50% of data;

PCB Percent Recovery in Wastewater



Red plus = mean; Blue square = extreme value (lab number); Gray box = mid 50% of data;

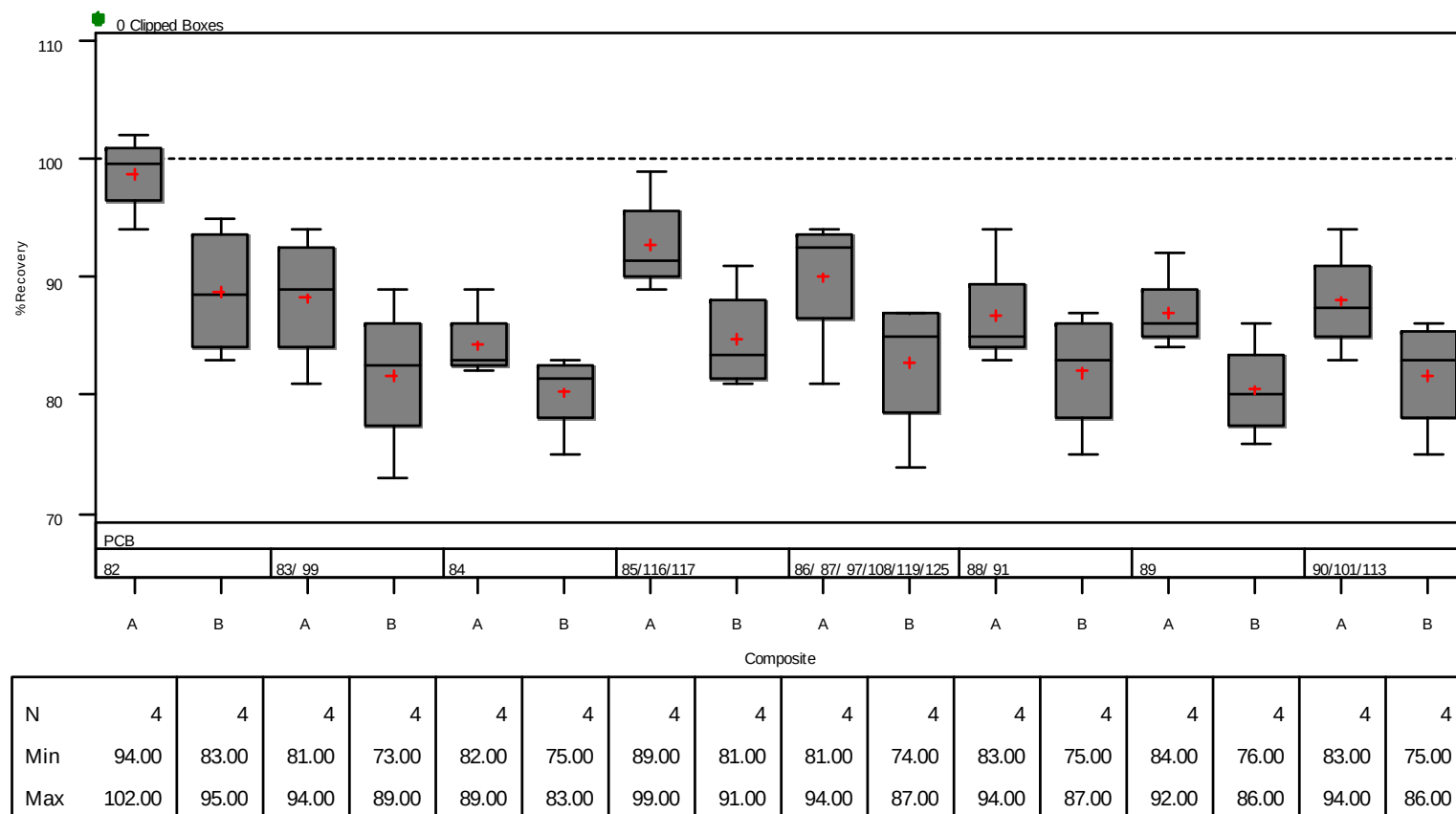
PCB Percent Recovery in Wastewater



N	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
Min	87.00	88.00	81.00	81.00	80.00	77.00	73.00	78.00	86.00	85.00	87.00	88.00	85.00	86.00	77.00	79.00
Max	105.00	110.00	99.00	98.00	92.00	103.00	93.00	92.00	98.00	98.00	102.00	104.00	106.00	108.00	94.00	92.00

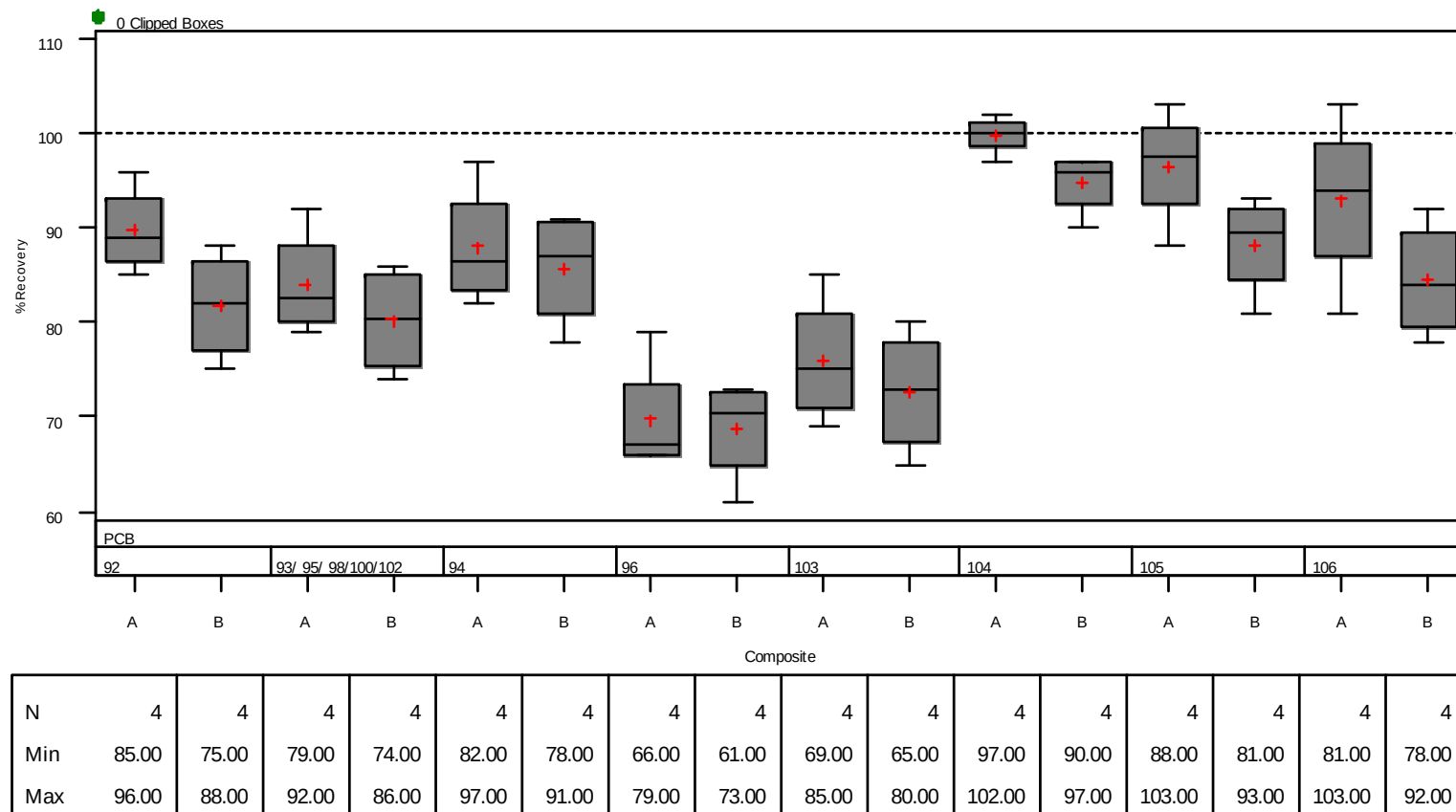
Red plus = mean; Blue square = extreme value (lab number); Gray box = mid 50% of data;

PCB Percent Recovery in Wastewater



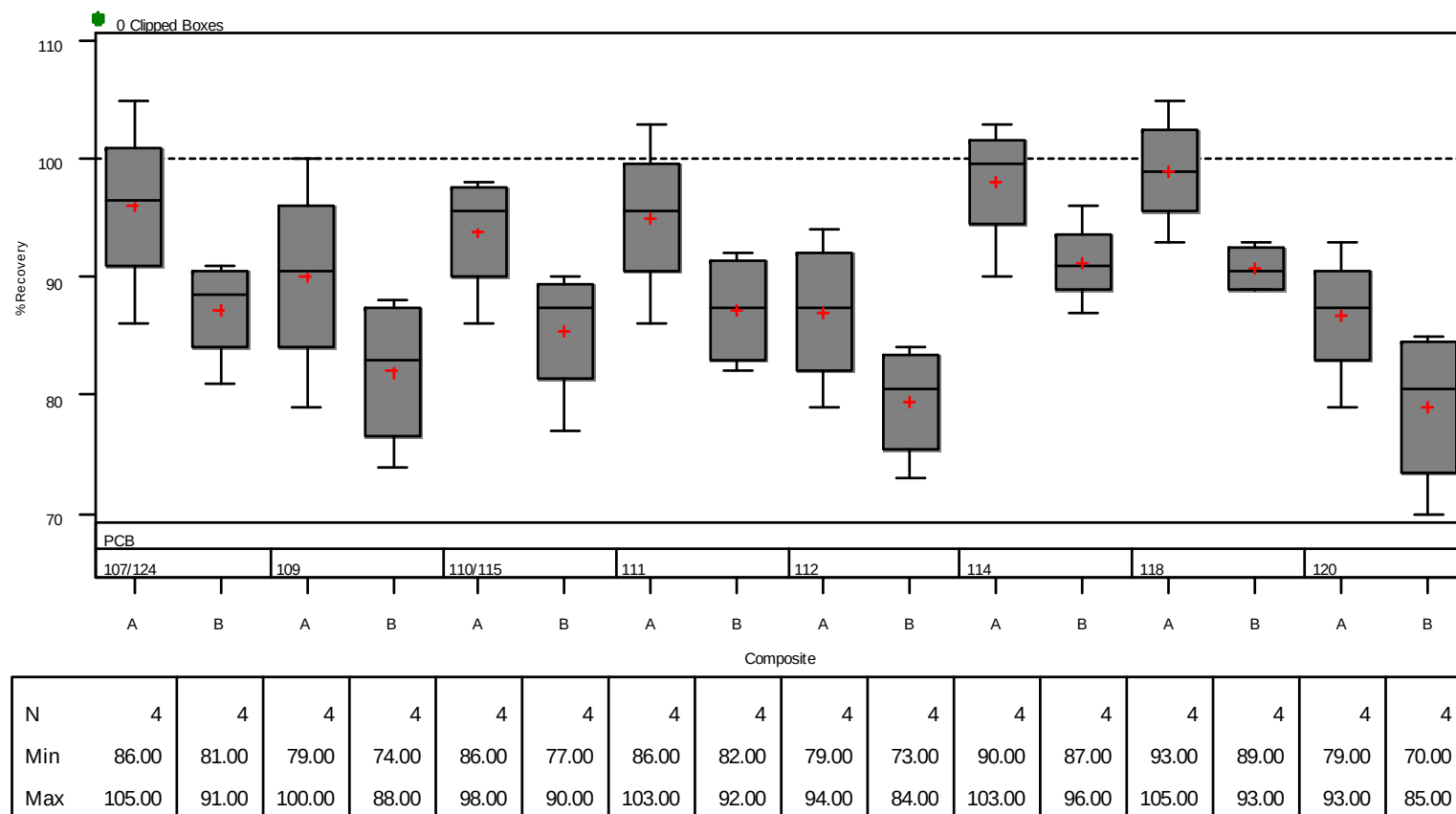
Red plus = mean; Blue square = extreme value (lab number); Gray box = mid 50% of data;

PCB Percent Recovery in Wastewater



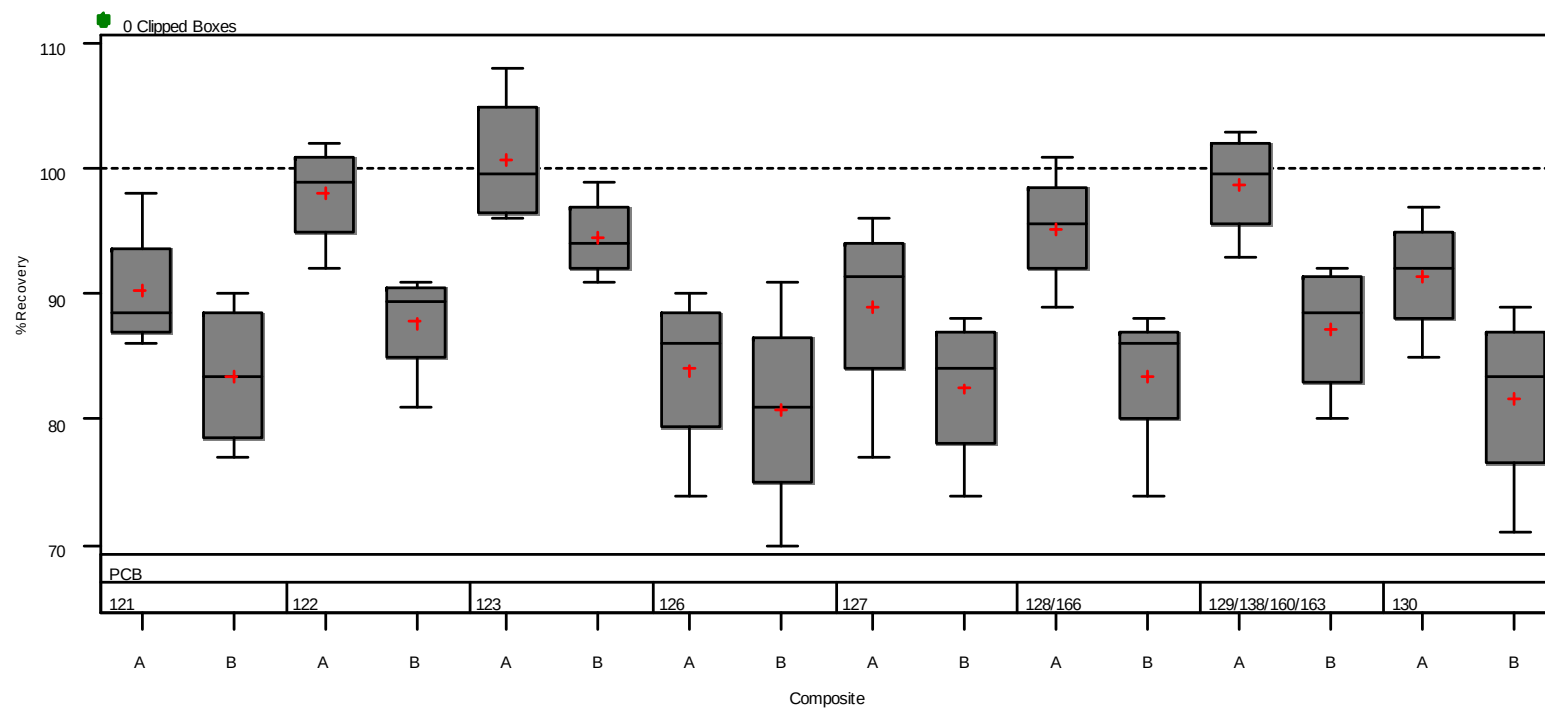
Red plus = mean; Blue square = extreme value (lab number); Gray box = mid 50% of data;

PCB Percent Recovery in Wastewater



Red plus = mean; Blue square = extreme value (lab number); Gray box = mid 50% of data;

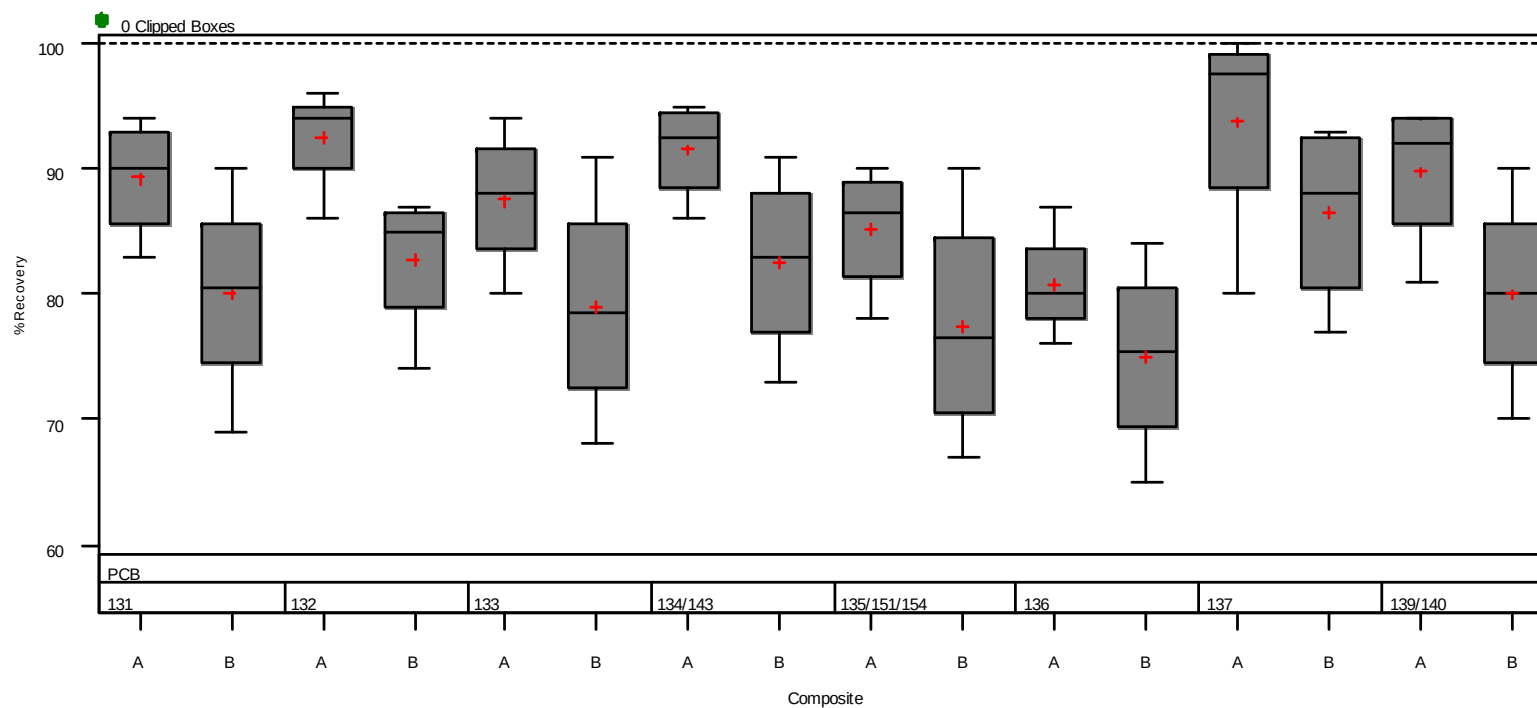
PCB Percent Recovery in Wastewater



N	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
Min	86.00	77.00	92.00	81.00	96.00	91.00	74.00	70.00	77.00	74.00	89.00	74.00	93.00	80.00	85.00
Max	98.00	90.00	102.00	91.00	108.00	99.00	90.00	91.00	96.00	88.00	101.00	88.00	103.00	92.00	97.00

Red plus = mean; Blue square = extreme value (lab number); Gray box = mid 50% of data;

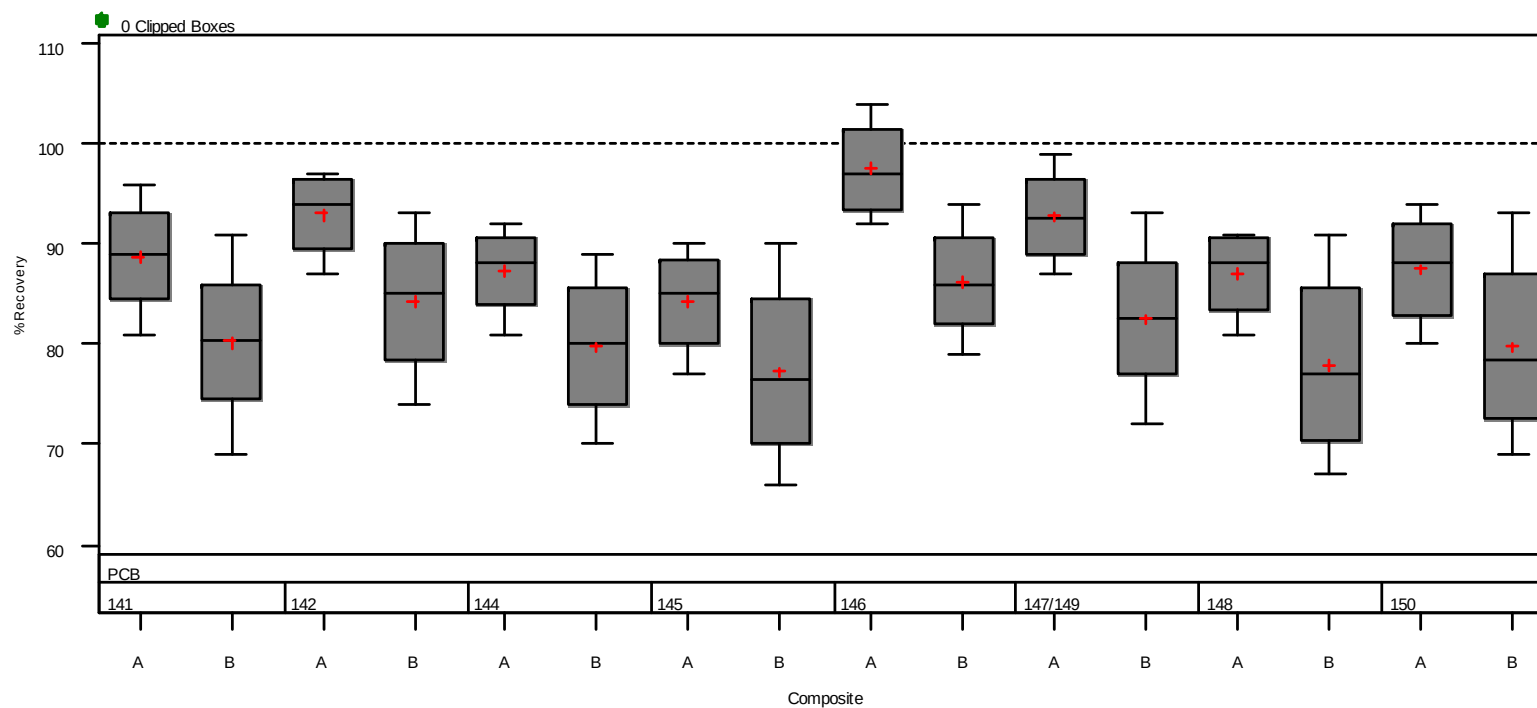
PCB Percent Recovery in Wastewater



N	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	
Min	83.00	69.00	86.00	74.00	80.00	68.00	86.00	73.00	78.00	67.00	76.00	65.00	80.00	77.00	81.00	70.00
Max	94.00	90.00	96.00	87.00	94.00	91.00	95.00	91.00	90.00	90.00	87.00	84.00	100.00	93.00	94.00	90.00

Red plus = mean; Blue square = extreme value (lab number); Gray box = mid 50% of data;

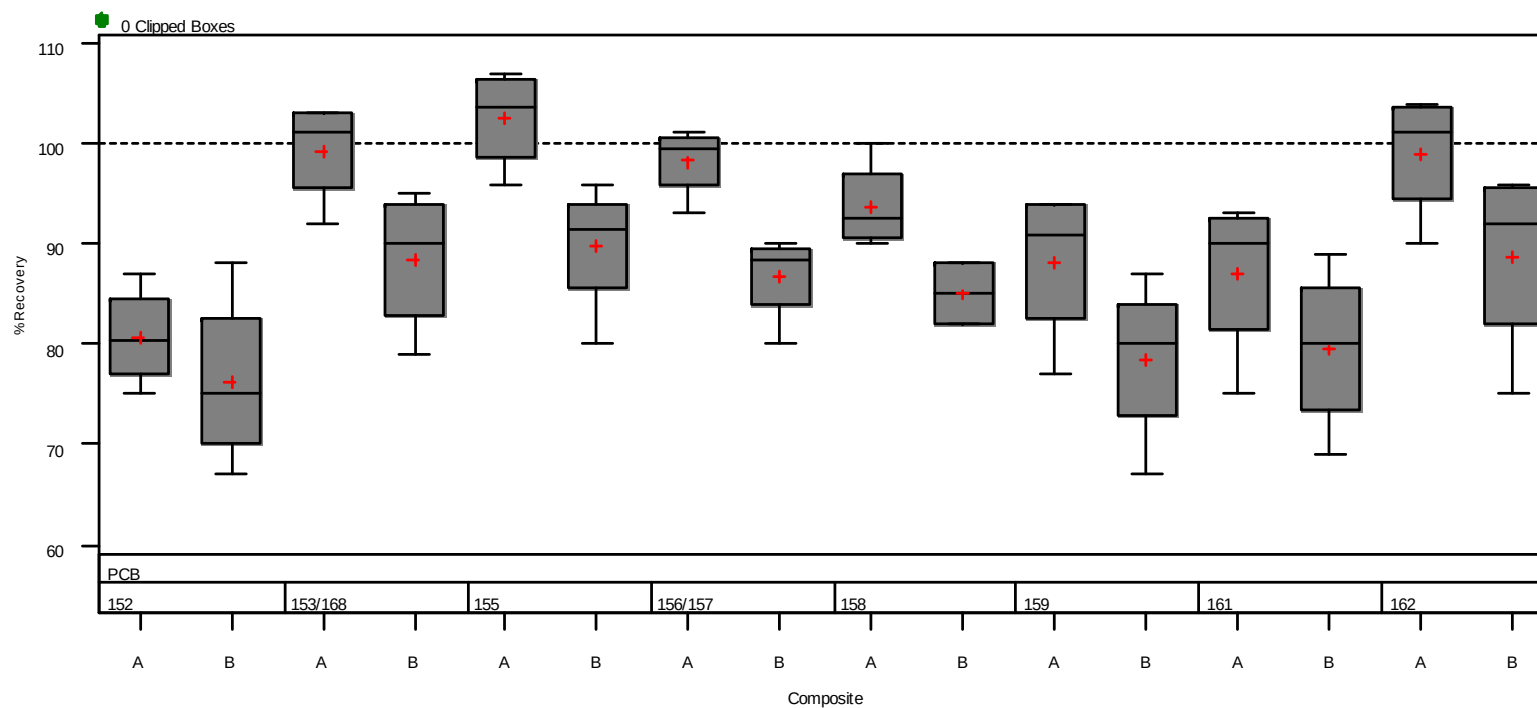
PCB Percent Recovery in Wastewater



N	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
Min	81.00	69.00	87.00	74.00	81.00	70.00	77.00	66.00	92.00	79.00	87.00	72.00	81.00	67.00	80.00
Max	96.00	91.00	97.00	93.00	92.00	89.00	90.00	90.00	104.00	94.00	99.00	93.00	91.00	91.00	94.00

Red plus = mean; Blue square = extreme value (lab number); Gray box = mid 50% of data;

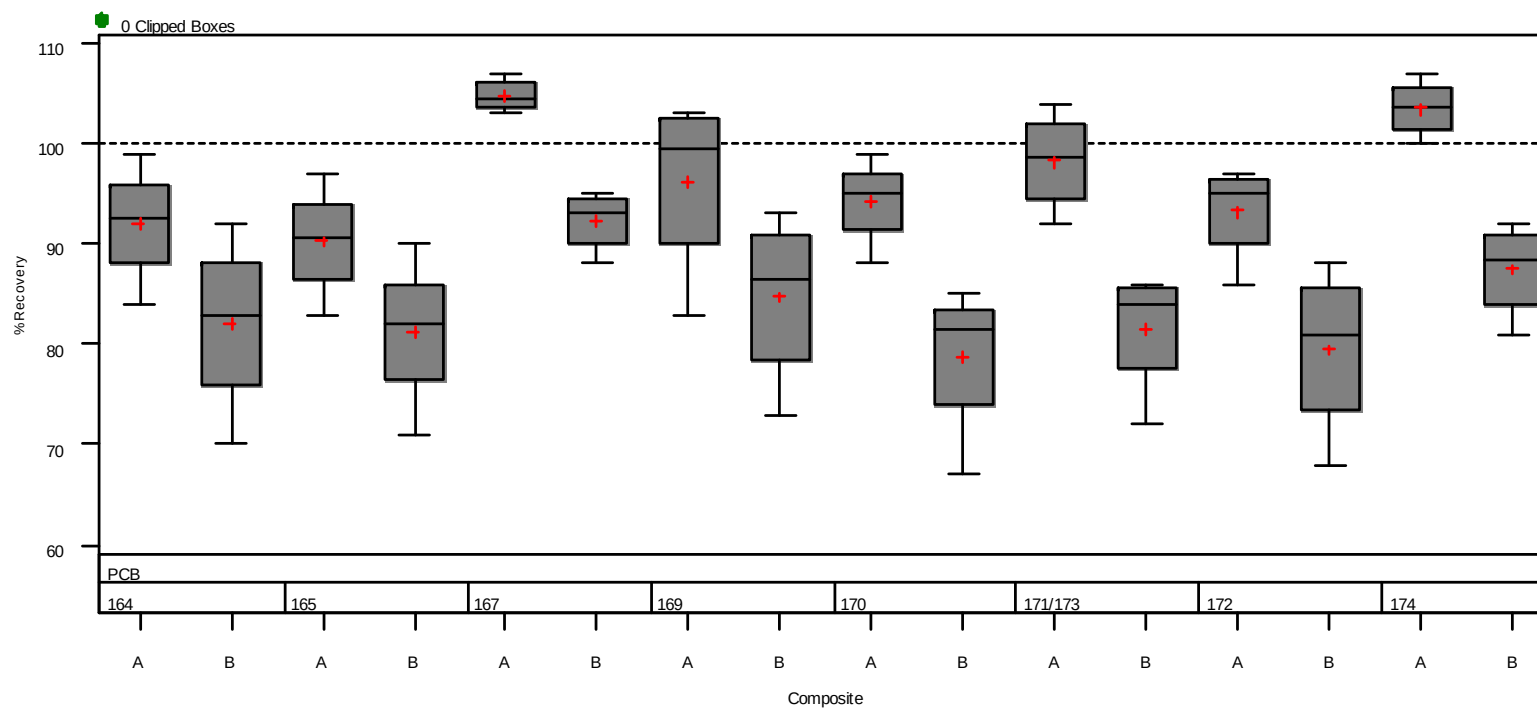
PCB Percent Recovery in Wastewater



N	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
Min	75.00	67.00	92.00	79.00	96.00	80.00	93.00	80.00	90.00	82.00	77.00	67.00	75.00	69.00	90.00
Max	87.00	88.00	103.00	95.00	107.00	96.00	101.00	90.00	100.00	88.00	94.00	87.00	93.00	89.00	96.00

Red plus = mean; Blue square = extreme value (lab number); Gray box = mid 50% of data;

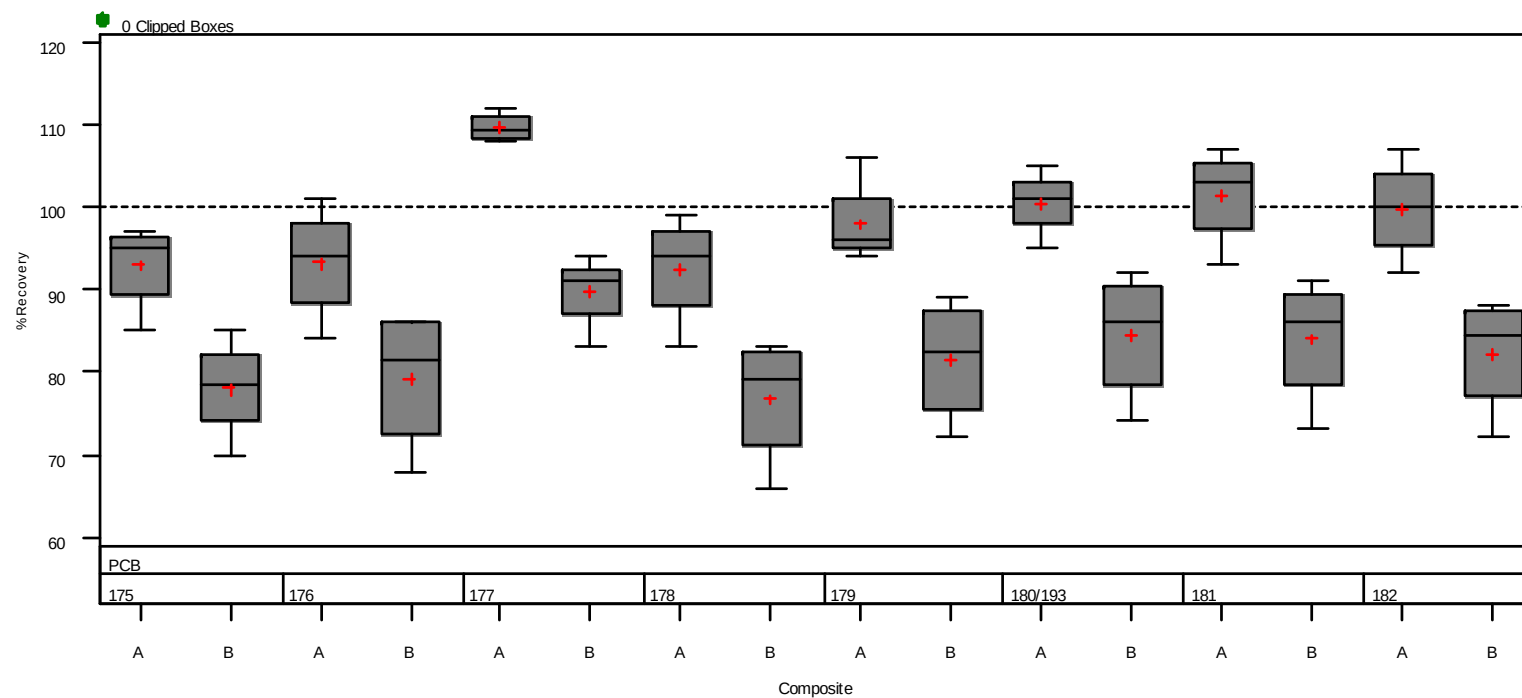
PCB Percent Recovery in Wastewater



N	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
Min	84.00	70.00	83.00	71.00	103.00	88.00	83.00	73.00	88.00	67.00	92.00	72.00	86.00	68.00	100.00
Max	99.00	92.00	97.00	90.00	107.00	95.00	103.00	93.00	99.00	85.00	104.00	86.00	97.00	88.00	107.00

Red plus = mean; Blue square = extreme value (lab number); Gray box = mid 50% of data;

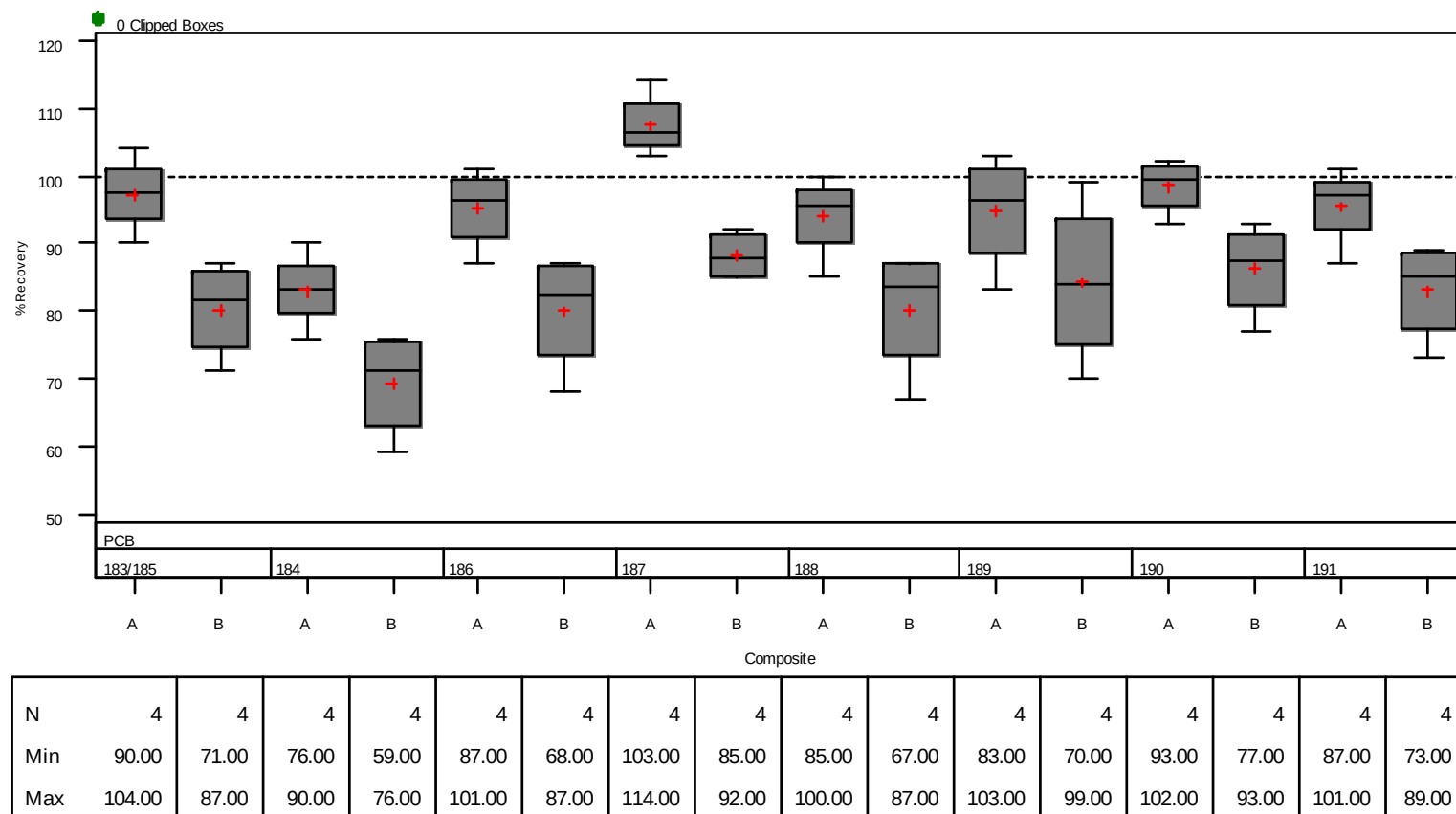
PCB Percent Recovery in Wastewater



N	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
Min	85.00	70.00	84.00	68.00	108.00	83.00	83.00	66.00	94.00	72.00	95.00	74.00	93.00	73.00	92.00	72.00
Max	97.00	85.00	101.00	86.00	112.00	94.00	99.00	83.00	106.00	89.00	105.00	92.00	107.00	91.00	107.00	88.00

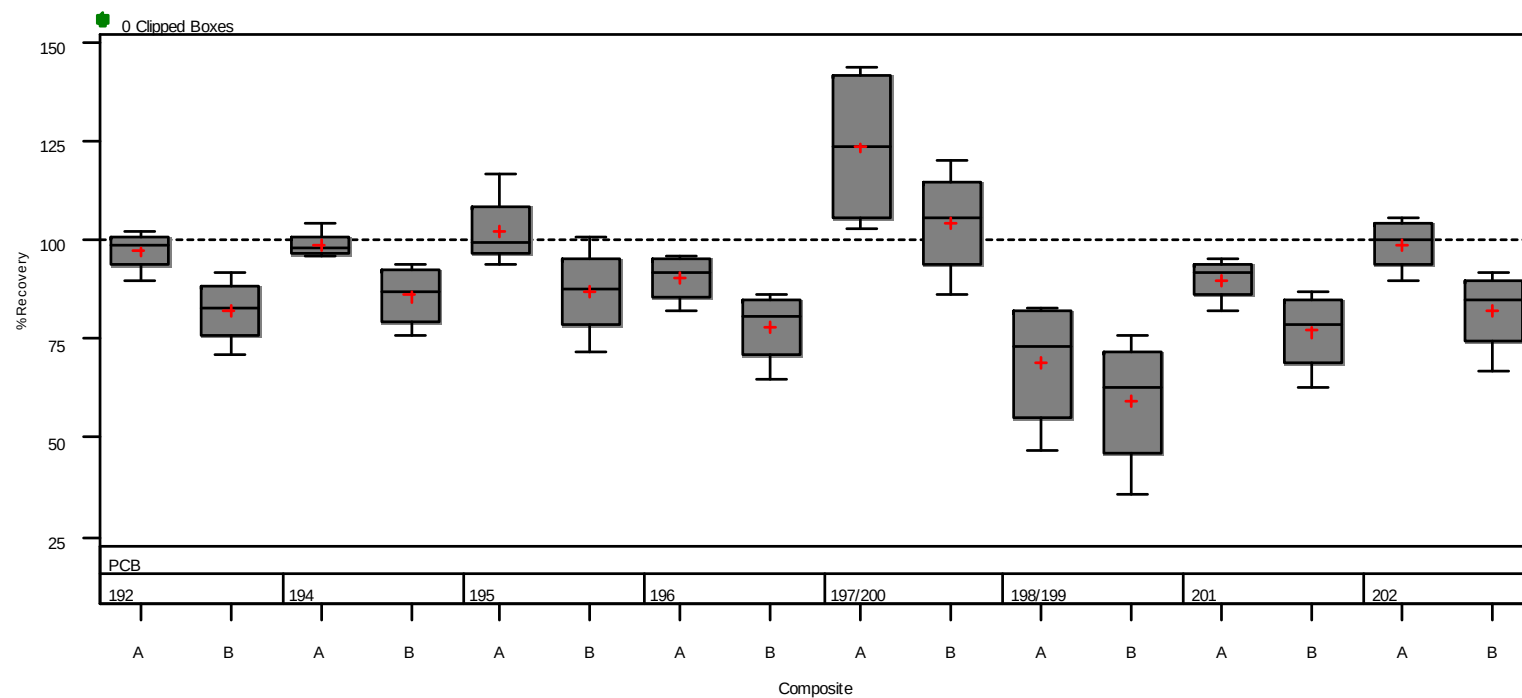
Red plus = mean; Blue square = extreme value (lab number); Gray box = mid 50% of data;

PCB Percent Recovery in Wastewater



Red plus = mean; Blue square = extreme value (lab number); Gray box = mid 50% of data;

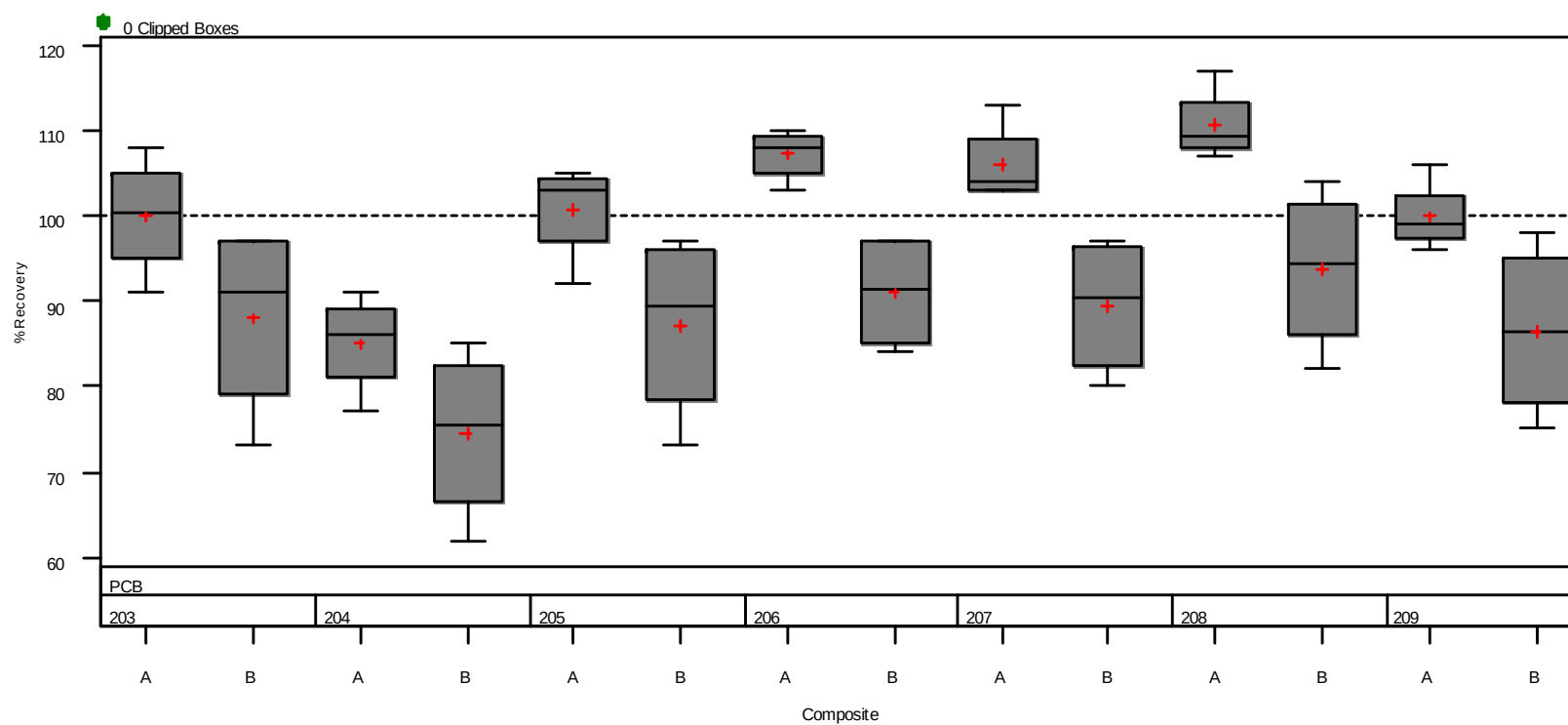
PCB Percent Recovery in Wastewater



PCB	192		194		195		196		197/200		198/199		201		202	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B
N	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
Min	90.00	71.00	96.00	76.00	94.00	72.00	82.00	65.00	103.00	86.00	47.00	36.00	82.00	63.00	90.00	67.00
Max	102.00	92.00	104.00	94.00	117.00	101.00	96.00	86.00	144.00	120.00	83.00	76.00	95.00	87.00	106.00	92.00

Red plus = mean; Blue square = extreme value (lab number); Gray box = mid 50% of data;

PCB Percent Recovery in Wastewater



N	4	4	4	4	4	4	4	4	4	4	4	4	4
Min	91.00	73.00	77.00	62.00	92.00	73.00	103.00	84.00	103.00	80.00	107.00	82.00	96.00
Max	108.00	97.00	91.00	85.00	105.00	97.00	110.00	97.00	113.00	97.00	117.00	104.00	98.00

Red plus = mean; Blue square = extreme value (lab number); Gray box = mid 50% of data;

K

**REGRESSION MODELS AND CONFIDENCE
INTERVALS FOR BASELINE ESTIMATES OF PCBS IN
WASTEWATER**

Appendix K. Wastewater Regression Models and Confidence Intervals for Baseline Estimates by PCB

PCB	Composite A Mean Recovery Model	Composite B Mean Recovery Model	Variance estimate	Degrees of freedom	Likelihood ratio test R-squared	CI of baseline for A	CI of baseline for B
1	24.18+0.85x	57.35+0.74x	4,895	6	0.9579	(-84, 132)	(-51, 166)
2	48.19+0.63x	80.24+0.62x	13,086	6	0.8658	(-129, 225)	(-97, 257)
3	26.64+0.81x	94.49+0.57x	10,025	6	0.9260	(-128, 181)	(-60, 249)
4	5.40+1.04x	2.98+1.09x	69	4	0.9998	(-13, 24)	(-16, 22)
5	-28.33+0.92x	-4.00+0.87x	10,589	4	0.9772	(-306, 249)	(-282, 274)
6	11.97+0.92x	41.01+0.91x	844	4	0.9969	(-54, 78)	(-25, 107)
7	3.00+0.90x	40.00+0.90x	882	4	0.9981	(-77, 83)	(-40, 120)
8	10.06+0.89x	34.49+0.86x	1,117	6	0.9957	(-42, 62)	(-17, 86)
9	17.88+0.87x	58.17+0.82x	1,168	4	0.9949	(-59, 95)	(-19, 136)
10	24.67+0.88x	2.00+0.91x	1,773	4	0.9961	(-89, 138)	(-112, 116)
11	46.73+1.03x	11.00+1.03x	2,138	6	0.9940	(-32, 126)	(-68, 90)
12/ 13	-18.87+0.96x	85.89+0.89x	17,048	4	0.9903	(-353, 315)	(-248, 420)
14	-3.33+1.04x	28.00+0.99x	15,249	4	0.9762	(-337, 330)	(-305, 361)
15	38.80+0.96x	11.59+1.04x	1,475	6	0.9981	(-21, 98)	(-48, 71)
16	18.27+0.99x	1.43+1.03x	653	5	0.9940	(-35, 72)	(-40, 43)
17	-18.00+0.89x	35.33+0.87x	1,462	4	0.9967	(-121, 85)	(-68, 139)
18/ 30	23.82+0.86x	19.98+0.89x	6,829	6	0.9913	(-113, 161)	(-117, 157)
19	4.67+1.11x	6.54+1.10x	126	5	0.9993	(-19, 28)	(-12, 25)
20/ 28	13.11+0.95x	42.25+0.91x	1,204	6	0.9987	(-41, 67)	(-11, 96)
21/ 33	9.72+0.87x	28.02+0.88x	5,093	6	0.9957	(-109, 128)	(-91, 147)
22	4.62+1.05x	20.00+1.00x	664	6	0.9967	(-35, 44)	(-20, 60)
23	19.87+0.86x	43.74+0.84x	1,035	4	0.9966	(-53, 93)	(-29, 117)
24	-5.00+0.88x	48.67+0.86x	1,388	4	0.9968	(-106, 96)	(-52, 149)
25	29.77+0.97x	49.39+0.93x	510	4	0.9982	(-21, 81)	(-2, 100)
26/ 29	35.66+0.87x	77.22+0.86x	3,685	4	0.9979	(-118, 189)	(-77, 231)
27	14.38+0.88x	47.84+0.86x	1,004	4	0.9981	(-57, 86)	(-24, 120)
31	13.75+0.85x	21.73+0.83x	1,019	6	0.9943	(-41, 68)	(-33, 76)

Appendix K. Wastewater Regression Models and Confidence Intervals for Baseline Estimates by PCB

PCB	Composite A Mean Recovery Model	Composite B Mean Recovery Model	Variance estimate	Degrees of freedom	Likelihood ratio test R-squared	CI of baseline for A	CI of baseline for B
32	18.00+0.84x	3.00+0.82x	441	4	0.9989	(-39, 75)	(-54, 60)
34	25.55+0.84x	37.61+0.85x	822	4	0.9984	(-39, 90)	(-27, 103)
35	-47.33+1.04x	-18.33+0.99x	1,164	4	0.9982	(-139, 45)	(-110, 74)
36	11.31+0.95x	54.66+0.89x	958	4	0.9982	(-59, 81)	(-15, 125)
37	-19.82+0.93x	-1.10+0.92x	1,812	6	0.9949	(-92, 53)	(-74, 71)
38	-13.33+0.91x	24.33+0.89x	2,313	4	0.9962	(-143, 116)	(-105, 154)
39	8.26+1.02x	50.96+0.93x	1,068	4	0.9973	(-66, 82)	(-23, 125)
40/ 41/ 71	17.45+0.90x	9.91+0.90x	3,159	6	0.9974	(-74, 109)	(-82, 101)
42	44.10+0.91x	50.62+0.89x	1,432	4	0.9975	(-42, 130)	(-35, 136)
43	31.33+0.85x	46.00+0.79x	1,299	4	0.9956	(-66, 129)	(-51, 143)
44/ 47/ 65	70.71+0.88x	87.72+0.86x	23,149	6	0.9912	(-178, 319)	(-161, 336)
45/ 51	-2.67+0.80x	13.90+0.80x	12,047	5	0.9887	(-277, 272)	(-183, 211)
46	6.33+0.80x	11.33+0.82x	2,750	4	0.9926	(-135, 148)	(-130, 153)
48	23.33+0.86x	16.72+0.85x	2,952	5	0.9898	(-112, 159)	(-81, 114)
49/ 69	56.02+0.85x	39.91+0.86x	5,202	6	0.9952	(-56, 168)	(-72, 151)
50/ 53	-23.67+0.79x	53.00+0.78x	24,448	4	0.9857	(-446, 398)	(-369, 475)
52	30.81+0.86x	27.35+0.87x	884	6	0.9941	(-15, 77)	(-19, 73)
54	6.33+0.96x	-5.16+0.96x	67	5	0.9999	(-14, 27)	(-20, 10)
55	-27.00+1.01x	-2.33+0.98x	1,693	4	0.9961	(-138, 84)	(-113, 109)
56	7.19+1.15x	-3.87+1.12x	160	6	0.9992	(-12, 27)	(-23, 16)
57	11.67+0.92x	36.33+0.87x	2,207	4	0.9964	(-115, 138)	(-90, 163)
58	4.67+0.96x	24.67+0.93x	1,177	4	0.9970	(-88, 97)	(-68, 117)
59/ 62/ 75	94.96+0.87x	56.02+0.87x	13,956	5	0.9960	(-176, 366)	(-146, 258)
60	-10.00+1.03x	-13.53+1.00x	812	5	0.9988	(-81, 61)	(-65, 38)
61/ 70/ 74/ 76	11.55+0.96x	53.18+0.92x	21,792	6	0.9930	(-238, 261)	(-197, 303)
63	12.16+0.95x	32.33+0.91x	734	4	0.9983	(-49, 73)	(-29, 94)
64	30.95+0.90x	21.50+0.89x	782	5	0.9965	(-28, 90)	(-24, 67)

Appendix K. Wastewater Regression Models and Confidence Intervals for Baseline Estimates by PCB

PCB	Composite A Mean Recovery Model	Composite B Mean Recovery Model	Variance estimate	Degrees of freedom	Likelihood ratio test R-squared	CI of baseline for A	CI of baseline for B
66	-0.89+1.03x	13.85+0.98x	294	5	0.9982	(-37, 35)	(-14, 42)
67	42.64+0.93x	30.19+0.97x	1,433	4	0.9950	(-43, 128)	(-55, 116)
68	40.87+0.93x	59.59+0.86x	1,970	4	0.9942	(-60, 141)	(-41, 160)
72	25.40+0.89x	42.90+0.82x	957	4	0.9979	(-45, 95)	(-27, 113)
73	-4.00+0.87x	32.00+0.84x	6,226	4	0.9862	(-217, 209)	(-181, 245)
77	25.98+0.81x	11.77+0.85x	1,576	5	0.9925	(-57, 109)	(-53, 76)
78	10.06+0.94x	27.64+0.89x	631	4	0.9988	(-47, 67)	(-29, 84)
79	30.23+0.93x	63.64+0.87x	1,853	4	0.9963	(-67, 128)	(-34, 161)
80	27.30+0.95x	44.36+0.88x	1,140	4	0.9968	(-49, 104)	(-32, 121)
81	-51.67+0.91x	-16.33+0.89x	3,707	4	0.9925	(-216, 113)	(-181, 148)
82	-2.41+1.00x	-15.47+0.93x	268	5	0.9991	(-29, 24)	(-50, 19)
83/ 99	-14.33+0.90x	0.16+0.82x	2,107	5	0.9970	(-95, 66)	(-109, 110)
84	-9.74+0.86x	-13.32+0.83x	845	6	0.9983	(-59, 40)	(-63, 36)
85/116/117	4.97+0.94x	24.65+0.84x	14,904	5	0.9960	(-275, 285)	(-184, 234)
86/ 87/ 97/108/119/125	-71.54+0.94x	-0.49+0.84x	14,432	6	0.9983	(-267, 124)	(-196, 195)
88/ 91	31.28+0.85x	37.92+0.81x	3,661	4	0.9971	(-106, 168)	(-99, 175)
89	9.55+0.87x	17.06+0.80x	994	4	0.9977	(-62, 81)	(-54, 88)
90/101/113	-21.31+0.90x	3.33+0.82x	14,320	6	0.9973	(-222, 179)	(-197, 204)
92	21.29+0.88x	37.05+0.79x	1,977	4	0.9961	(-79, 122)	(-64, 138)
93/ 95/ 98/100/102	11.72+0.85x	54.34+0.79x	87,253	6	0.9928	(-481, 505)	(-439, 547)
94	29.15+0.85x	22.63+0.84x	1,546	4	0.9948	(-60, 118)	(-66, 112)
96	19.41+0.69x	8.00+0.69x	1,856	4	0.9938	(-78, 117)	(-90, 106)
103	-38.33+0.81x	-2.67+0.73x	5,268	4	0.9845	(-234, 158)	(-199, 193)
104	5.09+1.00x	5.88+0.95x	111	4	0.9998	(-19, 29)	(-18, 30)
105	2.03+0.98x	-15.09+0.91x	602	4	0.9962	(-54, 58)	(-71, 40)
106	14.74+0.94x	36.79+0.81x	2,364	4	0.9951	(-95, 125)	(-73, 147)
107/124	-33.75+1.00x	6.40+0.88x	8,293	4	0.9959	(-266, 198)	(-225, 238)

Appendix K. Wastewater Regression Models and Confidence Intervals for Baseline Estimates by PCB

PCB	Composite A Mean Recovery Model	Composite B Mean Recovery Model	Variance estimate	Degrees of freedom	Likelihood ratio test R-squared	CI of baseline for A	CI of baseline for B
109	-75.67+1.00x	-11.00+0.83x	3,702	4	0.9923	(-240, 89)	(-175, 153)
110/115	-6.51+0.96x	-19.39+0.88x	1,957	5	0.9987	(-84, 71)	(-125, 86)
111	4.86+0.97x	27.14+0.84x	876	4	0.9975	(-62, 72)	(-40, 94)
112	-28.00+0.91x	-18.00+0.82x	2,495	4	0.9925	(-163, 107)	(-153, 117)
114	-1.19+1.00x	11.18+0.90x	228	4	0.9995	(-35, 33)	(-23, 45)
118	13.61+0.99x	-6.33+0.92x	692	5	0.9980	(-29, 56)	(-61, 49)
120	-40.33+0.92x	-21.33+0.82x	2,297	4	0.9932	(-170, 89)	(-151, 108)
121	14.73+0.89x	32.56+0.79x	1,127	4	0.9963	(-61, 91)	(-43, 109)
122	-27.33+1.01x	-32.33+0.92x	698	4	0.9988	(-99, 44)	(-104, 39)
123	34.66+0.96x	4.65+0.94x	1,449	4	0.9968	(-52, 121)	(-82, 91)
126	-55.33+0.90x	-2.00+0.81x	2,257	4	0.9960	(-184, 73)	(-130, 126)
127	-73.67+0.97x	-24.00+0.85x	2,223	4	0.9965	(-201, 54)	(-151, 103)
128/166	10.60+0.96x	-9.54+0.87x	2,053	5	0.9991	(-63, 84)	(-104, 85)
129/138/160/163	11.26+0.99x	23.97+0.88x	8,841	6	0.9976	(-141, 163)	(-128, 176)
130	-9.00+0.93x	-22.33+0.84x	1,271	4	0.9974	(-105, 87)	(-119, 74)
131	-7.67+0.90x	-2.00+0.80x	1,163	4	0.9972	(-100, 84)	(-94, 90)
132	-15.42+0.95x	-26.67+0.86x	536	5	0.9990	(-57, 26)	(-84, 31)
133	-6.67+0.88x	6.00+0.78x	1,926	4	0.9964	(-125, 112)	(-112, 124)
134/143	26.78+0.91x	52.24+0.80x	2,346	4	0.9986	(-83, 136)	(-57, 162)
135/151/154	-41.84+0.88x	43.65+0.75x	14,545	5	0.9964	(-333, 249)	(-169, 256)
136	11.29+0.81x	25.81+0.74x	970	4	0.9977	(-59, 82)	(-45, 96)
137	-2.87+0.97x	32.03+0.83x	919	4	0.9978	(-71, 66)	(-37, 101)
139/140	-13.76+0.92x	18.51+0.79x	4,332	4	0.9973	(-184, 156)	(-151, 188)
141	-1.10+0.89x	-3.33+0.81x	1,099	5	0.9977	(-61, 58)	(-86, 79)
142	15.38+0.92x	18.95+0.83x	484	4	0.9985	(-34, 65)	(-31, 69)
144	9.68+0.87x	30.68+0.77x	794	4	0.9984	(-54, 73)	(-33, 94)
145	-33.33+0.88x	13.67+0.76x	3,764	4	0.9927	(-199, 132)	(-152, 179)

Appendix K. Wastewater Regression Models and Confidence Intervals for Baseline Estimates by PCB

PCB	Composite A Mean Recovery Model	Composite B Mean Recovery Model	Variance estimate	Degrees of freedom	Likelihood ratio test R-squared	CI of baseline for A	CI of baseline for B
146	19.54+0.95x	15.01+0.85x	609	4	0.9977	(-36, 75)	(-41, 71)
147/149	19.36+0.92x	4.22+0.83x	2,145	5	0.9970	(-91, 130)	(-77, 85)
148	11.36+0.87x	38.60+0.73x	756	4	0.9972	(-51, 74)	(-24, 101)
150	15.90+0.87x	39.41+0.74x	1,007	4	0.9964	(-56, 88)	(-32, 111)
152	21.96+0.79x	37.77+0.72x	1,368	4	0.9962	(-62, 106)	(-46, 122)
153/168	15.90+0.99x	26.84+0.87x	1,593	6	0.9988	(-46, 78)	(-35, 89)
155	15.71+1.01x	6.17+0.91x	508	4	0.9987	(-35, 67)	(-45, 57)
156/157	-28.86+1.02x	-15.89+0.90x	150	5	0.9999	(-55, -3)	(-36, 4)
158	35.66+0.90x	30.49+0.81x	1,629	4	0.9969	(-56, 127)	(-61, 122)
159	-31.33+0.93x	-15.67+0.81x	1,547	4	0.9954	(-137, 75)	(-122, 90)
161	-55.67+0.93x	-9.33+0.81x	2,957	4	0.9949	(-202, 91)	(-156, 137)
162	11.23+0.99x	17.87+0.89x	717	4	0.9981	(-49, 72)	(-43, 79)
164	-3.00+0.92x	-9.67+0.83x	1,166	4	0.9973	(-95, 89)	(-102, 82)
165	-4.33+0.91x	-10.00+0.82x	950	4	0.9979	(-88, 79)	(-93, 73)
167	12.97+1.03x	-11.88+0.95x	137	4	0.9997	(-14, 40)	(-38, 15)
169	-61.00+1.03x	-30.00+0.88x	3,511	4	0.9950	(-221, 99)	(-190, 130)
170	-4.47+0.95x	-30.67+0.83x	648	5	0.9988	(-50, 41)	(-94, 33)
171/173	-6.56+1.00x	-19.25+0.85x	3,543	5	0.9977	(-149, 136)	(-123, 85)
172	-22.00+0.96x	-16.00+0.81x	1,313	4	0.9971	(-120, 76)	(-114, 82)
174	4.07+1.04x	8.86+0.87x	198	5	0.9994	(-19, 27)	(-21, 38)
175	-26.33+0.96x	-8.67+0.79x	732	4	0.9985	(-99, 47)	(-82, 64)
176	13.22+0.94x	33.05+0.76x	1,457	4	0.9960	(-73, 100)	(-53, 119)
177	0.19+1.10x	1.86+0.91x	120	5	0.9997	(-18, 18)	(-21, 25)
178	-42.00+0.98x	-26.33+0.80x	2,322	4	0.9950	(-172, 88)	(-156, 104)
179	17.27+0.96x	23.35+0.80x	1,180	4	0.9953	(-60, 95)	(-54, 101)
180/193	-2.86+1.01x	8.08+0.85x	3,385	6	0.9943	(-100, 94)	(-89, 105)
181	-47.67+1.07x	-32.67+0.88x	2,677	4	0.9964	(-187, 92)	(-172, 107)

Appendix K. Wastewater Regression Models and Confidence Intervals for Baseline Estimates by PCB

PCB	Composite A Mean Recovery Model	Composite B Mean Recovery Model	Variance estimate	Degrees of freedom	Likelihood ratio test R-squared	CI of baseline for A	CI of baseline for B
182	3.13+1.02x	18.76+0.82x	945	4	0.9983	(-66, 73)	(-51, 88)
183/185	-21.50+1.00x	24.16+0.80x	8,628	4	0.9906	(-259, 216)	(-213, 261)
184	11.97+0.83x	36.63+0.66x	1,684	4	0.9953	(-81, 105)	(-56, 130)
186	-35.33+1.00x	-30.00+0.84x	2,102	4	0.9945	(-159, 88)	(-154, 94)
187	8.99+1.06x	14.26+0.85x	554	6	0.9969	(-27, 45)	(-22, 51)
188	3.87+0.96x	16.02+0.81x	581	4	0.9983	(-51, 58)	(-39, 71)
189	21.77+0.94x	53.99+0.78x	2,007	4	0.9947	(-80, 123)	(-47, 155)
190	-13.81+1.02x	28.26+0.84x	550	4	0.9991	(-67, 39)	(-25, 81)
191	-1.09+0.98x	27.61+0.82x	1,036	4	0.9982	(-74, 72)	(-45, 100)
192	-16.00+0.99x	-9.00+0.84x	1,047	4	0.9972	(-103, 71)	(-96, 78)
194	16.46+0.96x	26.93+0.83x	1,023	4	0.9961	(-56, 89)	(-45, 99)
195	22.86+1.01x	23.83+0.87x	3,109	4	0.9892	(-103, 149)	(-102, 150)
196	-18.00+0.93x	-44.67+0.83x	3,787	4	0.9915	(-184, 148)	(-211, 121)
197/200	188.74+1.10x	166.79+0.93x	148,451	4	0.9189	(-805, 1,182)	(-827, 1,160)
198/199	-56.91+0.75x	-85.33+0.65x	52,511	5	0.9578	(-467, 354)	(-658, 487)
201	-33.67+0.94x	-28.33+0.80x	3,797	4	0.9921	(-200, 133)	(-195, 138)
202	-41.00+1.04x	-38.67+0.86x	4,019	4	0.9930	(-212, 130)	(-210, 132)
203	15.02+0.99x	34.63+0.85x	1,468	4	0.9946	(-72, 102)	(-52, 121)
204	12.33+0.85x	48.30+0.70x	1,677	4	0.9956	(-80, 105)	(-44, 141)
205	-48.67+1.06x	-28.33+0.91x	3,831	4	0.9932	(-216, 118)	(-195, 139)
206	26.68+1.02x	37.43+0.85x	1,057	4	0.9963	(-47, 100)	(-36, 111)
207	30.84+1.03x	57.13+0.84x	2,958	4	0.9954	(-92, 154)	(-66, 180)
208	18.10+1.10x	54.18+0.89x	2,207	4	0.9969	(-88, 124)	(-52, 161)
209	21.01+0.97x	39.18+0.82x	3,970	6	0.9852	(-76, 118)	(-58, 137)

L

**EVALUATION OF MATRIX EFFECTS ON PCB
RECOVERY**

PCB	Reagent water slope	Wastewater slope	P-value ^a	Significantly different slopes
1	1.079	0.773	<.0001	*
2	1.151	0.591	<.0001	*
3	1.068	0.655	<.0001	*
4	1.061	1.066	0.9024	
5	1.057	0.897	0.005	*
6	1.011	0.918	0.0203	*
7	0.918	0.9	0.2449	
8	0.955	0.867	0.1835	
9	0.928	0.847	0.0032	*
10	0.84	0.896	0.0127	*
11	1.098	1.029	0.0255	*
12/ 13	1.067	0.926	0.0008	*
14	1.045	1.013	0.5487	
15	1.09	0.998	0.0019	*
16	1.056	1.01	0.2444	
17	0.848	0.883	0.2117	
18/ 30	0.742	0.871	0.0165	*
19	1.168	1.101	0.0213	*
20/ 28	0.926	0.926	1	
21/ 33	0.932	0.867	0.015	*
22	1.094	1.021	0.0785	
23	0.828	0.847	0.3855	
24	0.835	0.87	0.1098	
25	0.87	0.948	0.0092	*
26/ 29	0.821	0.862	0.0242	*
27	0.858	0.87	0.6898	
31	0.822	0.837	0.4722	
32	0.821	0.827	0.7268	
34	0.815	0.847	0.0515	
35	1.043	1.017	0.3063	
36	0.867	0.919	0.0141	*
37	0.869	0.93	0.0122	*
38	0.917	0.9	0.4538	
39	0.891	0.974	0.0029	*
40/ 41/ 71	1.017	0.898	<.0001	*
42	0.94	0.898	0.0663	
43	0.849	0.816	0.3949	
44/ 47/ 65	0.851	0.855	0.9332	
45/ 51	0.787	0.798	0.7885	
46	0.827	0.812	0.6921	

PCB	Reagent water slope	Wastewater slope	P-value^a	Significantly different slopes
48	0.855	0.851	0.9002	
49/ 69	0.786	0.843	0.0371	*
50/ 53	0.751	0.785	0.4361	
52	0.829	0.849	0.7912	
54	0.997	0.96	0.0132	*
55	0.968	0.994	0.5057	
56	1.095	1.135	0.3988	
57	0.805	0.895	0.0024	*
58	0.895	0.949	0.1953	
59/ 62/ 75	0.798	0.862	0.0473	*
60	0.949	1.019	0.0037	*
61/ 70/ 74/ 76	0.897	0.936	0.3472	
63	0.804	0.929	0.0007	*
64	0.902	0.89	0.6068	
66	0.91	1.001	0.0016	*
67	0.837	0.949	0.0162	*
68	0.742	0.894	0.001	*
72	0.706	0.853	<.0001	*
73	0.853	0.854	0.9801	
77	0.875	0.828	0.0423	*
78	0.933	0.917	0.524	
79	0.882	0.899	0.4432	
80	0.737	0.914	<.0001	*
81	0.852	0.899	0.1018	
82	0.97	0.967	0.7975	
83/ 99	0.855	0.865	0.6632	
84	0.9	0.851	0.0267	*
85/116/117	0.813	0.887	0.0121	*
86/ 87/ 97/108/119/125	0.866	0.896	0.2951	
88/ 91	0.827	0.83	0.8934	
89	0.892	0.832	0.0113	*
90/101/113	0.818	0.865	0.0903	
92	0.808	0.835	0.3086	
93/ 95/ 98/100/102	0.803	0.816	0.7105	
94	0.855	0.844	0.731	
96	0.744	0.691	0.2241	
103	0.717	0.769	0.1934	
104	1.03	0.974	0.0066	*
105	0.891	0.949	0.0501	
106	0.834	0.878	0.1541	
107/124	0.857	0.938	0.1108	
109	0.815	0.914	0.0261	*
110/115	0.928	0.918	0.621	
111	0.752	0.903	<.0001	*
112	0.81	0.865	0.0689	
114	0.822	0.951	<.0001	*
118	0.801	0.95	<.0001	*
120	0.715	0.871	<.0001	*
121	0.712	0.843	0.0003	*
122	0.912	0.965	0.0545	

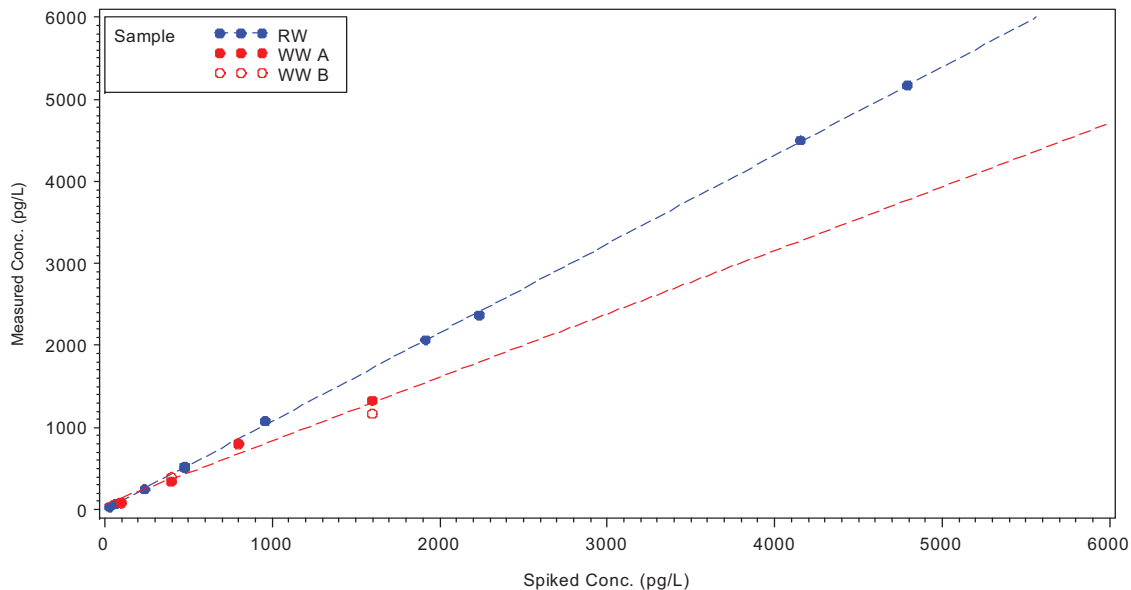
PCB	Reagent water slope	Wastewater slope	P-value^a	Significantly different slopes
123	0.825	0.948	0.0006	*
126	0.917	0.855	0.0374	*
127	0.907	0.91	0.9325	
128/166	0.91	0.914	0.8926	
129/138/160/163	0.881	0.934	0.0734	
130	0.833	0.885	0.0903	
131	0.819	0.851	0.2635	
132	0.915	0.911	0.839	
133	0.739	0.832	0.0027	*
134/143	0.847	0.856	0.7032	
135/151/154	0.762	0.812	0.0977	
136	0.802	0.773	0.2906	
137	0.851	0.903	0.1176	
139/140	0.749	0.856	0.0009	*
141	0.796	0.849	0.0987	
142	0.808	0.874	0.0036	*
144	0.778	0.824	0.0489	*
145	0.799	0.818	0.5973	
146	0.767	0.899	0.0002	*
147/149	0.816	0.872	0.0126	*
148	0.708	0.8	0.0046	*
150	0.771	0.805	0.3092	
152	0.793	0.758	0.2958	
153/168	0.738	0.927	<.0001	*
155	0.857	0.963	0.0002	*
156/157	0.9	0.962	0.0077	*
158	0.845	0.857	0.6969	
159	0.816	0.867	0.1337	
161	0.742	0.866	0.0012	*
162	0.86	0.94	0.0718	
164	0.871	0.878	0.8821	
165	0.762	0.874	0.0003	*
167	0.87	0.99	<.0001	*
169	1.02	0.954	0.0906	
170	0.952	0.889	0.151	
171/173	0.932	0.925	0.8696	
172	0.899	0.887	0.8214	
174	1.009	0.952	0.1591	
175	0.828	0.877	0.2676	
176	0.848	0.85	0.9647	
177	0.976	1.008	0.4956	
178	0.877	0.888	0.8008	
179	0.884	0.878	0.8796	
180/193	0.936	0.931	0.9222	
181	0.861	0.971	0.027	*
182	0.838	0.92	0.0864	
183/185	0.857	0.898	0.4397	
184	0.644	0.748	0.0059	*
186	0.904	0.922	0.7103	
187	0.918	0.954	0.5873	
188	0.864	0.882	0.5206	

PCB	Reagent water slope	Wastewater slope	P-value^a	Significantly different slopes
189	0.904	0.864	0.2514	
190	1.004	0.932	0.1397	
191	0.946	0.898	0.3311	
192	0.906	0.915	0.8824	
194	0.937	0.898	0.2281	
195	0.918	0.939	0.7567	
196	0.844	0.881	0.564	
197/200	0.805	1.016	0.087	
198/199	0.885	0.707	0.0515	
201	0.764	0.873	0.0739	
202	0.847	0.951	0.0152	*
203	0.901	0.921	0.8526	
204	0.663	0.776	0.054	
205	0.903	0.985	0.0535	
206	0.919	0.936	0.7516	
207	0.808	0.934	0.0356	*
208	0.871	0.993	0.0231	*
209	0.924	0.885	0.5093	

^a Significance level of difference in slopes.

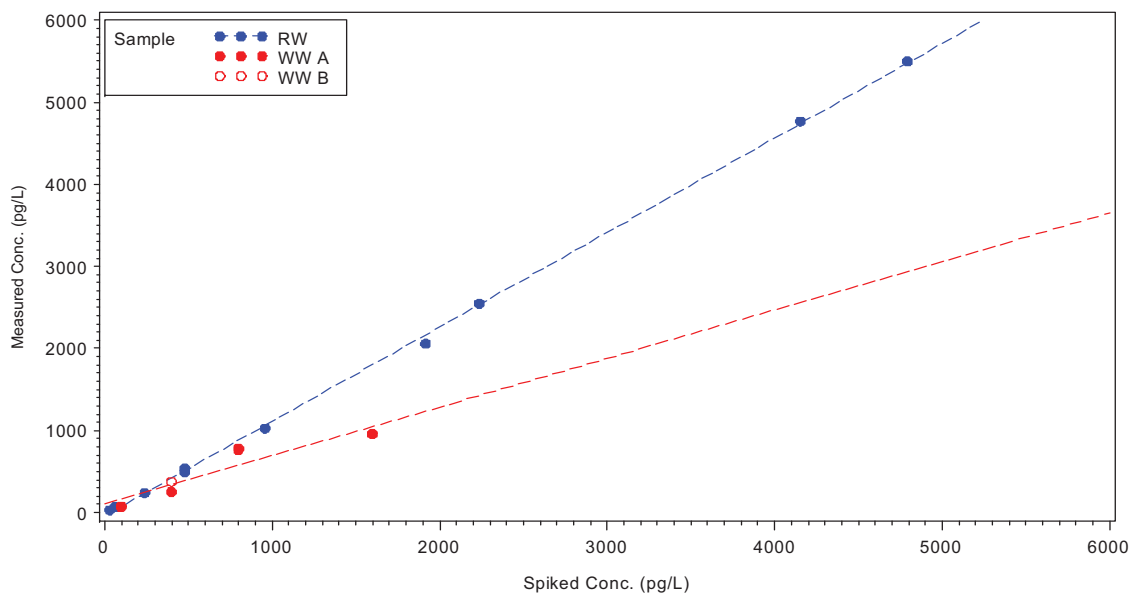
“*” indicates that the two slopes are statistically different at the 5% significance level.

Reagent Water and Waste Water Results vs. Spiked Concentration for Lab 3
PCB 1



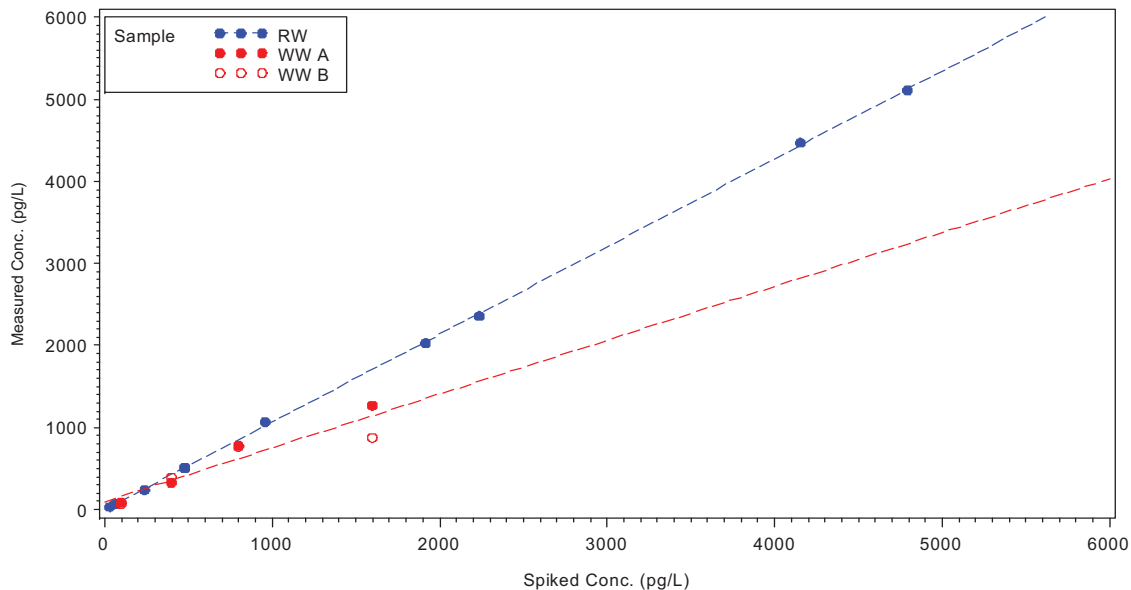
ANCOVA results
RW slope= 1.079 WW slope= 0.773 p-value=<.0001

Reagent Water and Waste Water Results vs. Spiked Concentration for Lab 3
PCB 2



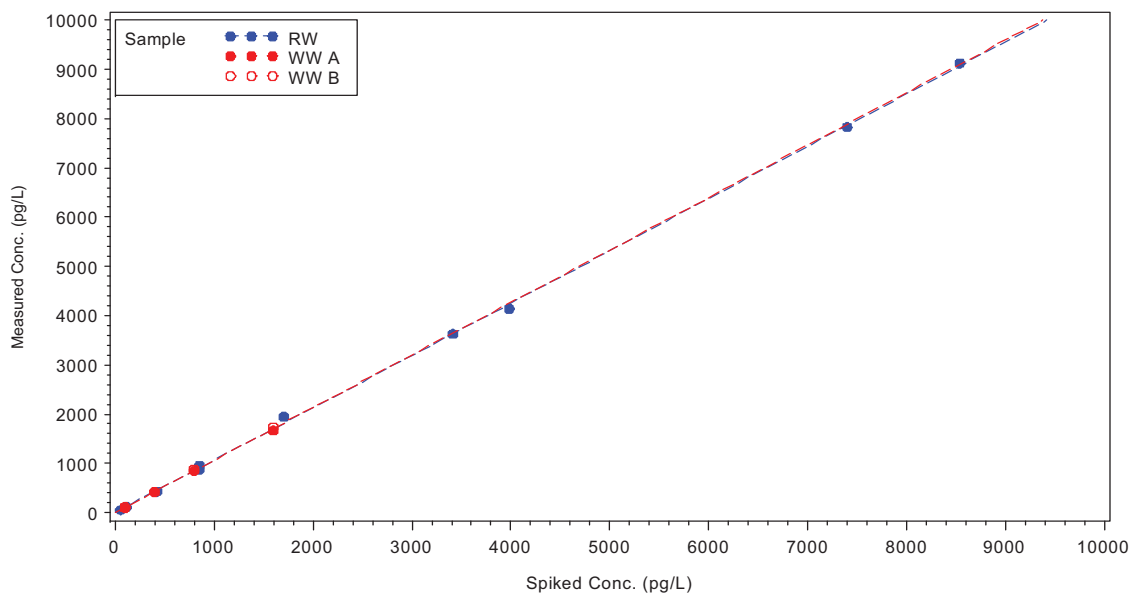
ANCOVA results
RW slope= 1.151 WW slope= 0.591 p-value=<.0001

Reagent Water and Waste Water Results vs. Spiked Concentration for Lab 3
PCB 3



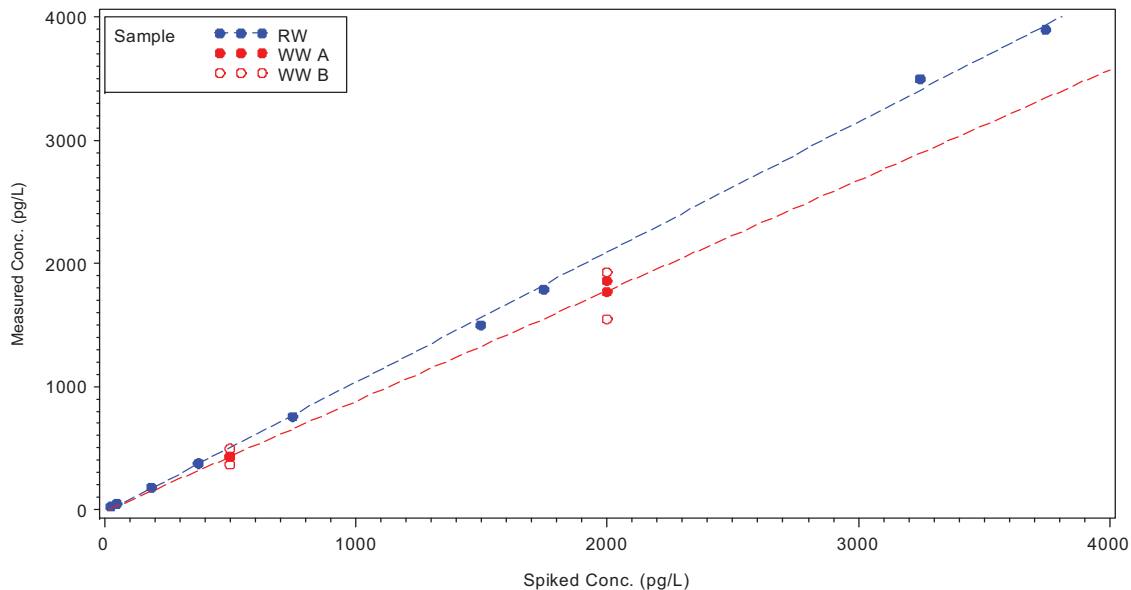
ANCOVA results
RW slope= 1.068 WW slope= 0.655 p-value=<.0001

Reagent Water and Waste Water Results vs. Spiked Concentration for Lab 3
PCB 4



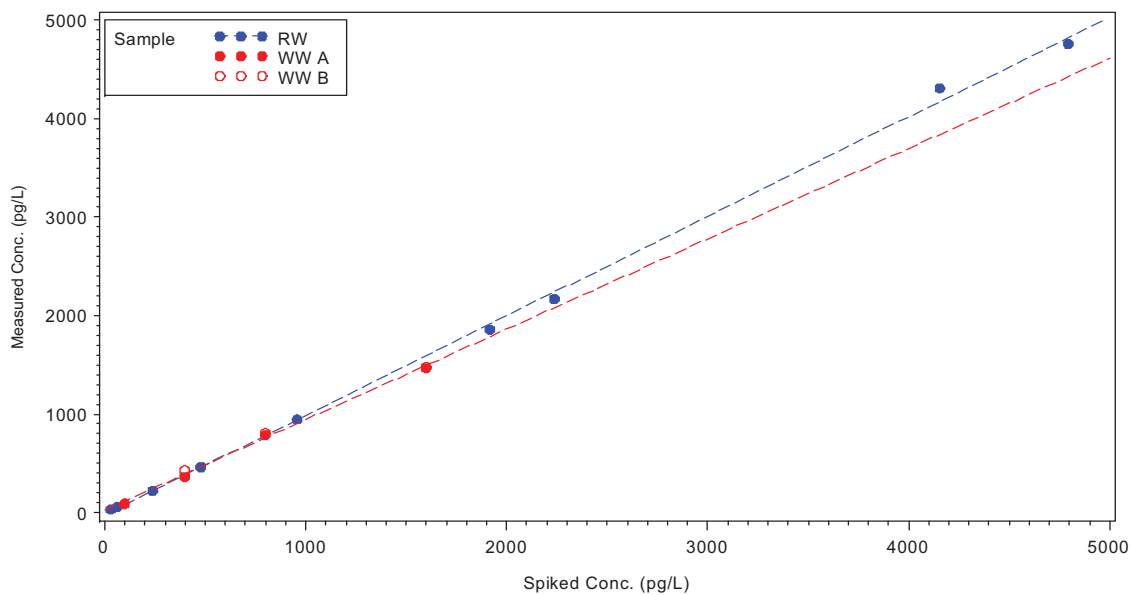
ANCOVA results
RW slope= 1.061 WW slope= 1.066 p-value=0.9024

Reagent Water and Waste Water Results vs. Spiked Concentration for Lab 3
PCB 5



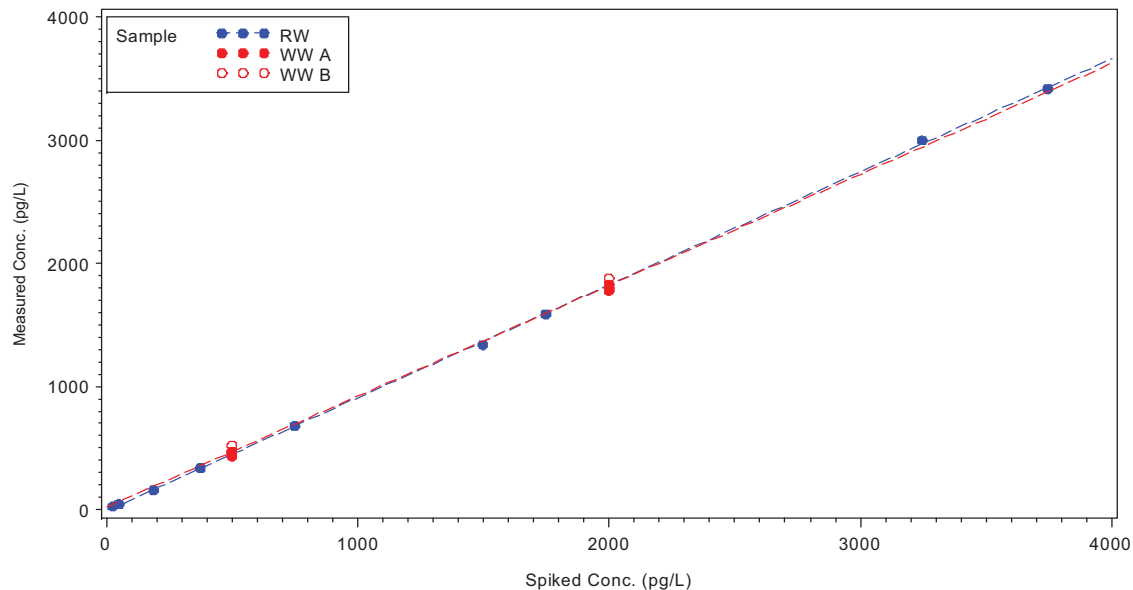
ANCOVA results
RW slope= 1.057 WW slope= 0.897 p-value=0.0050

Reagent Water and Waste Water Results vs. Spiked Concentration for Lab 3
PCB 6



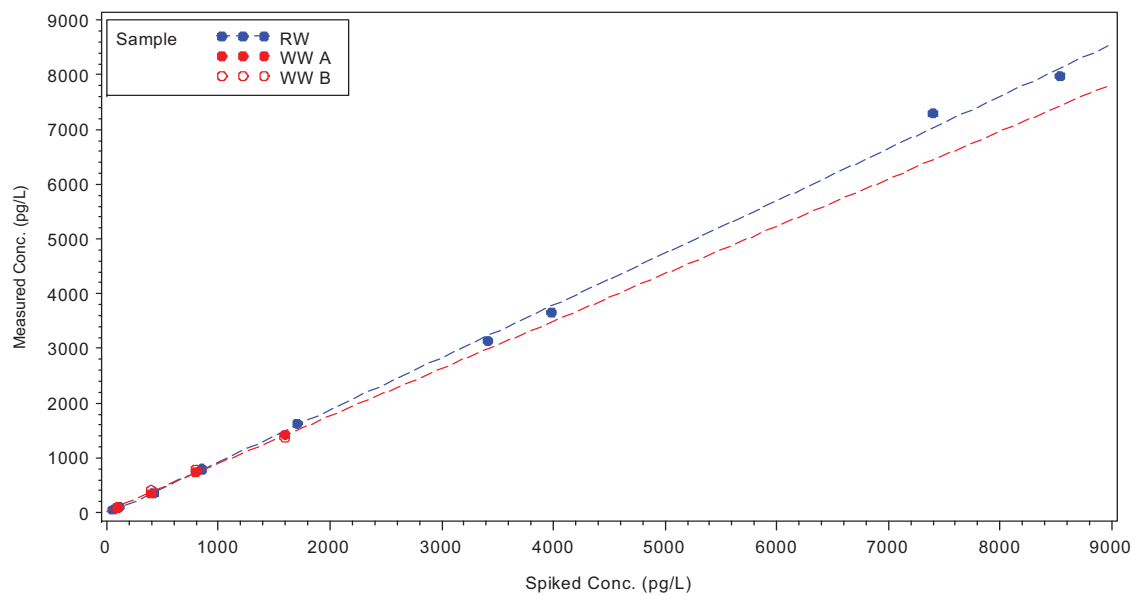
ANCOVA results
RW slope= 1.011 WW slope= 0.918 p-value=0.0203

Reagent Water and Waste Water Results vs. Spiked Concentration for Lab 3
PCB 7



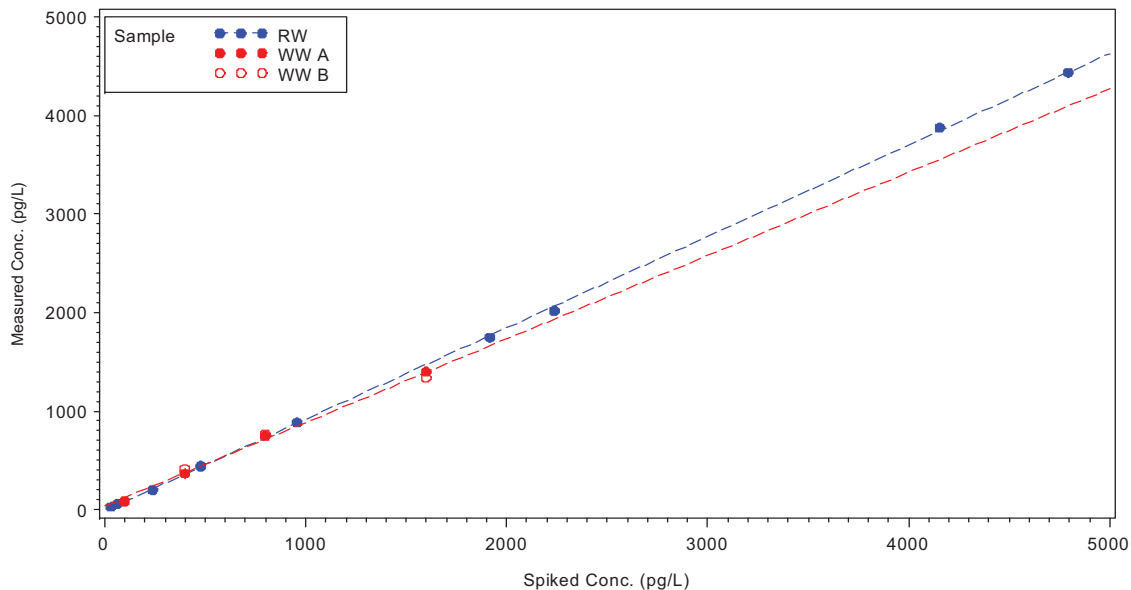
ANCOVA results
 RW slope= 0.918 WW slope= 0.901 p-value=0.2449

Reagent Water and Waste Water Results vs. Spiked Concentration for Lab 3
PCB 8



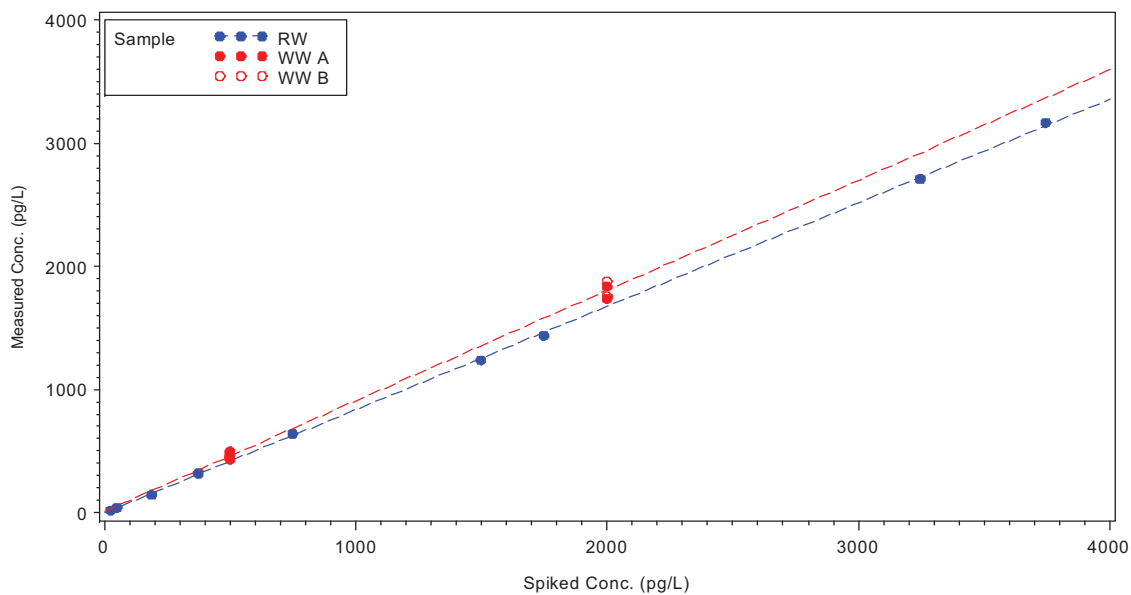
ANCOVA results
 RW slope= 0.955 WW slope= 0.867 p-value=0.1835

Reagent Water and Waste Water Results vs. Spiked Concentration for Lab 3
PCB 9



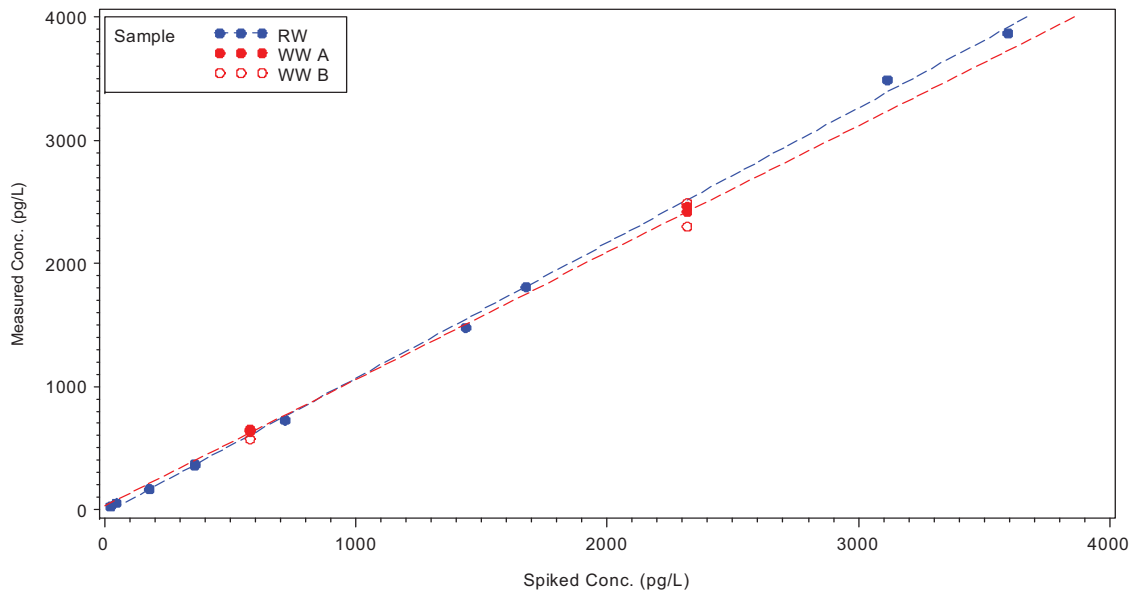
ANCOVA results
RW slope= 0.928 WW slope= 0.847 p-value=0.0032

Reagent Water and Waste Water Results vs. Spiked Concentration for Lab 3
PCB 10



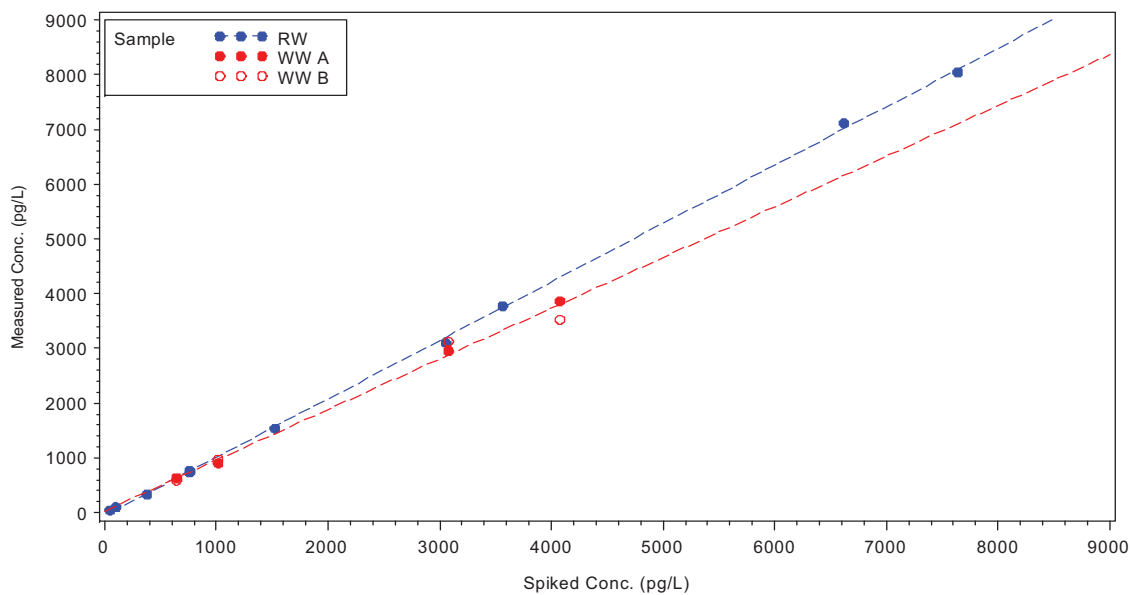
ANCOVA results
RW slope= 0.84 WW slope= 0.896 p-value=0.0127

Reagent Water and Waste Water Results vs. Spiked Concentration for Lab 3
PCB 11



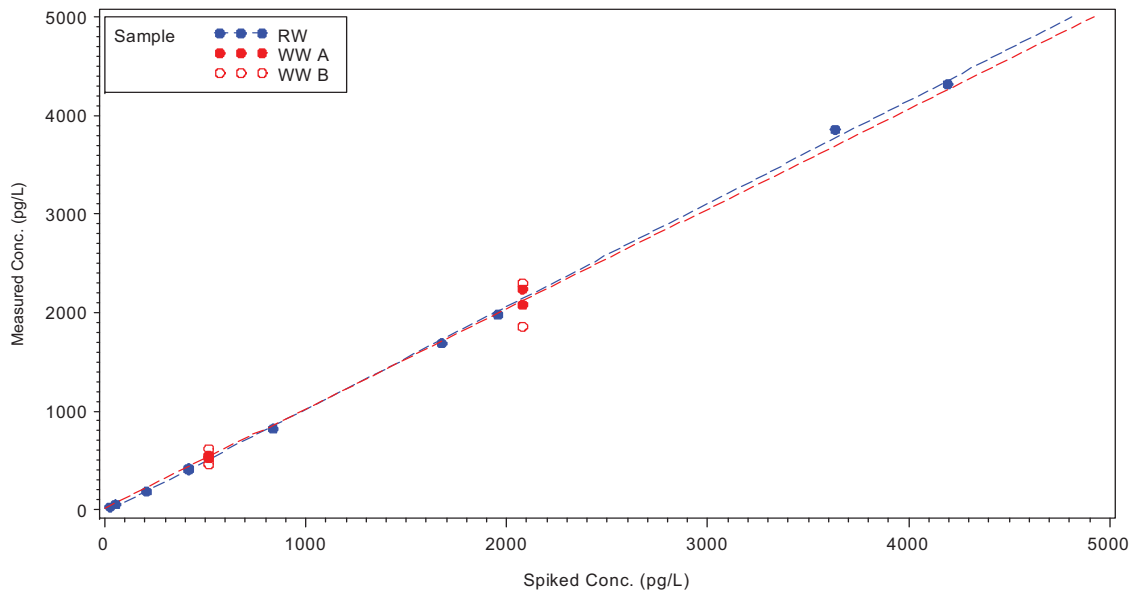
ANCOVA results
RW slope= 1.098 WW slope= 1.029 p-value=0.0255

Reagent Water and Waste Water Results vs. Spiked Concentration for Lab 3
PCB 12/ 13



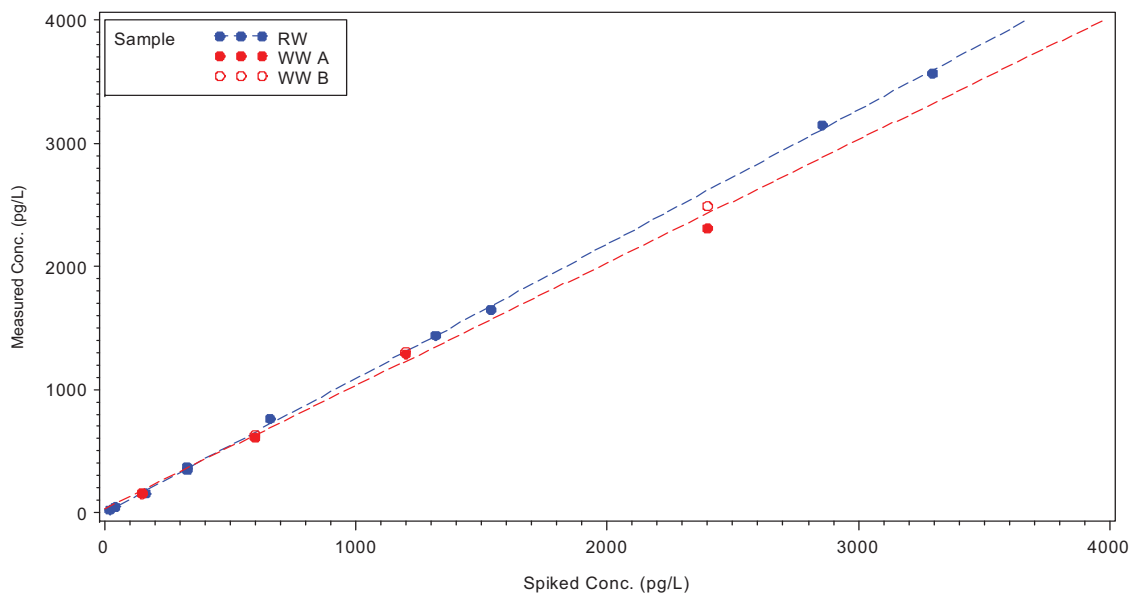
ANCOVA results
RW slope= 1.067 WW slope= 0.926 p-value=0.0008

Reagent Water and Waste Water Results vs. Spiked Concentration for Lab 3
PCB 14



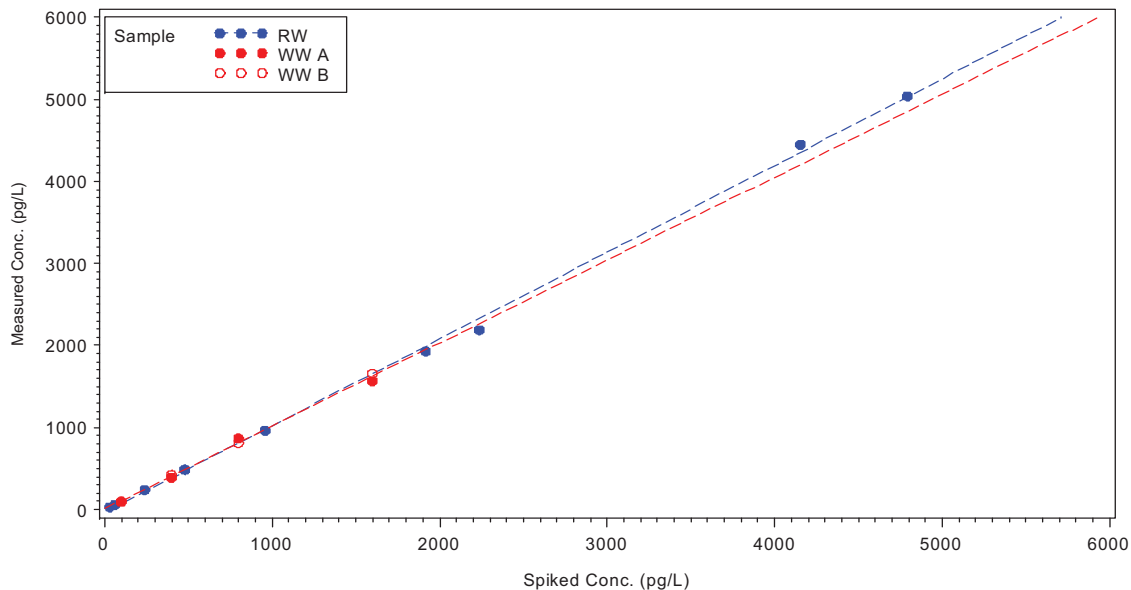
ANCOVA results
RW slope= 1.045 WW slope= 1.013 p-value=0.5487

Reagent Water and Waste Water Results vs. Spiked Concentration for Lab 3
PCB 15



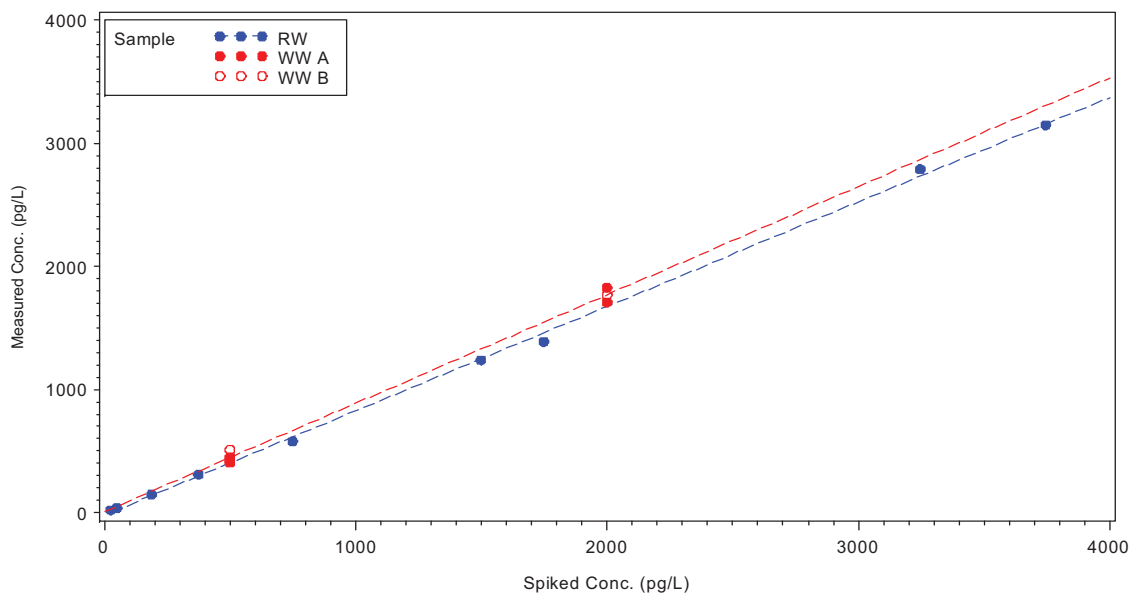
ANCOVA results
RW slope= 1.09 WW slope= 0.998 p-value=0.0019

Reagent Water and Waste Water Results vs. Spiked Concentration for Lab 3
PCB 16



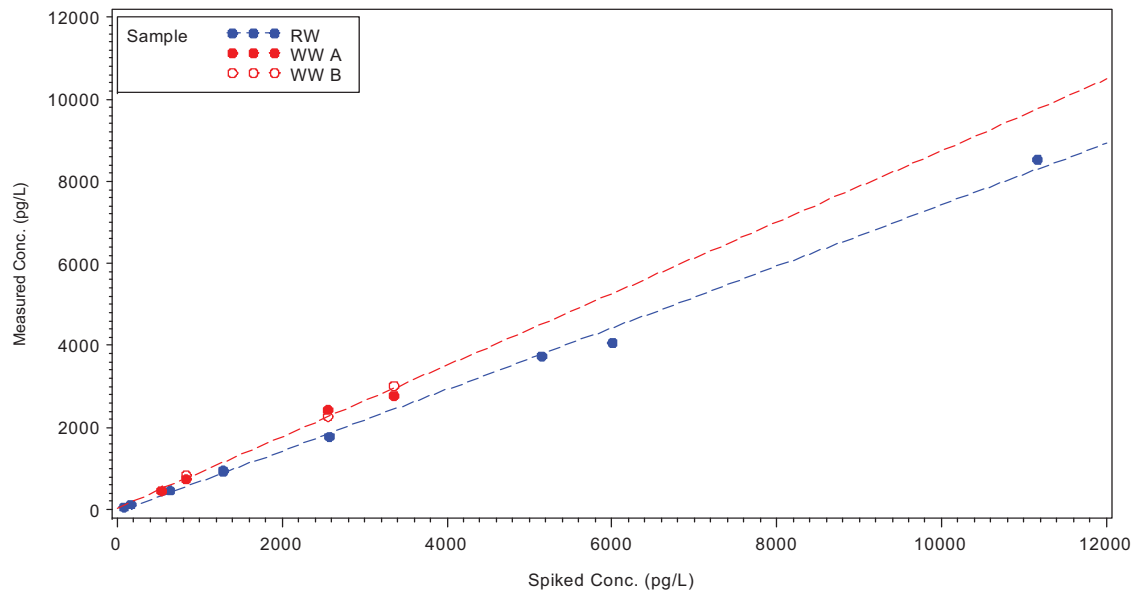
ANCOVA results
RW slope= 1.056 WW slope= 1.01 p-value=0.2444

Reagent Water and Waste Water Results vs. Spiked Concentration for Lab 3
PCB 17



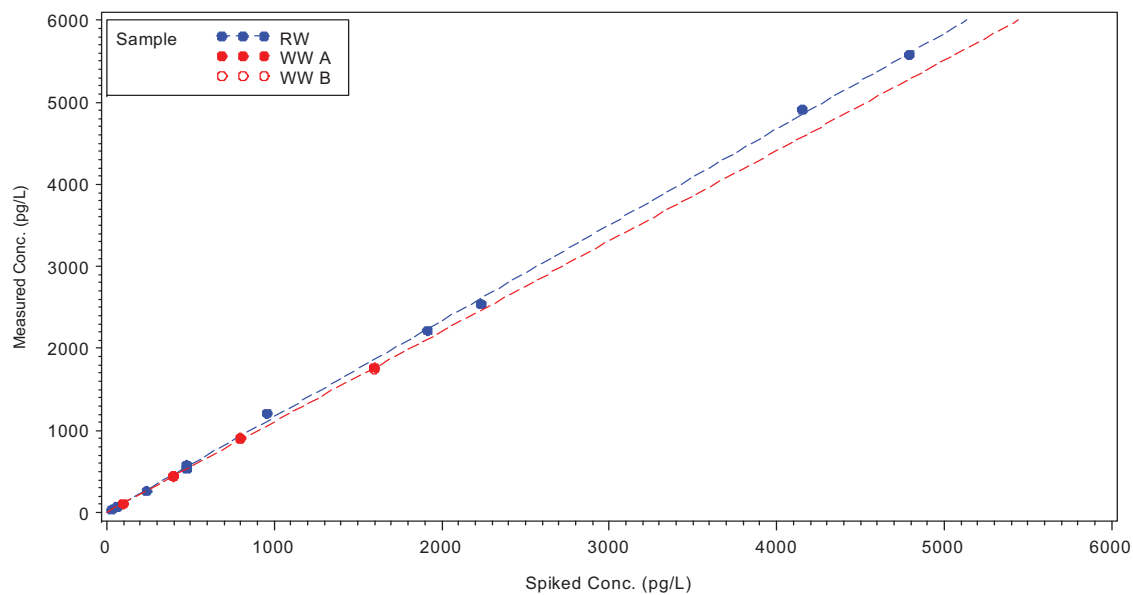
ANCOVA results
RW slope= 0.848 WW slope= 0.883 p-value=0.2117

Reagent Water and Waste Water Results vs. Spiked Concentration for Lab 3
PCB 18/30



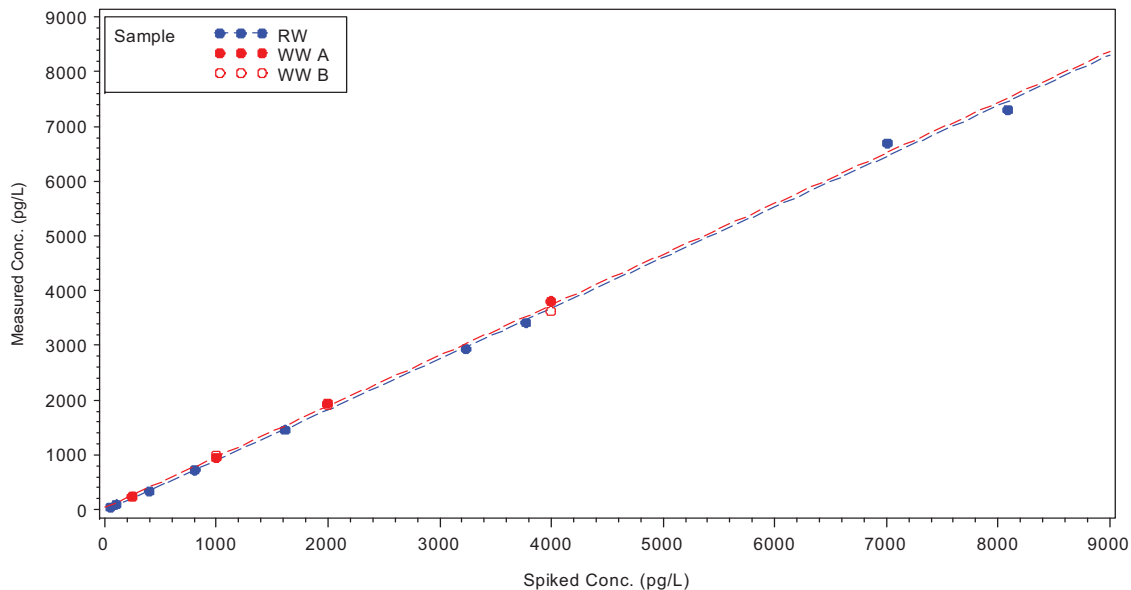
ANCOVA results
RW slope= 0.742 WW slope= 0.871 p-value=0.0165

Reagent Water and Waste Water Results vs. Spiked Concentration for Lab 3
PCB 19



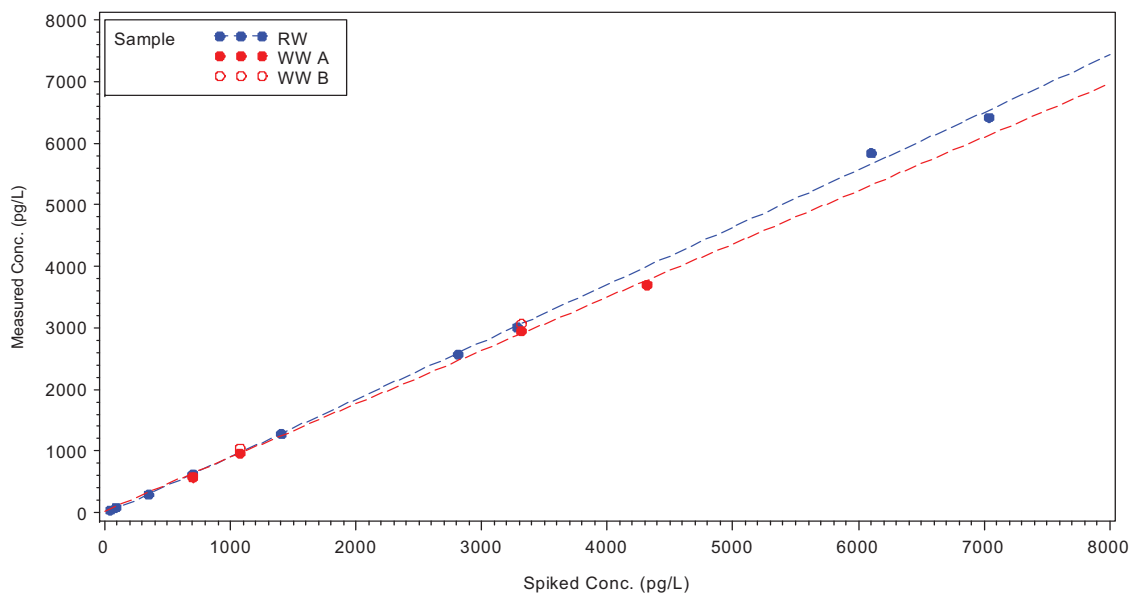
ANCOVA results
RW slope= 1.168 WW slope= 1.101 p-value=0.0213

Reagent Water and Waste Water Results vs. Spiked Concentration for Lab 3
PCB 20/ 28



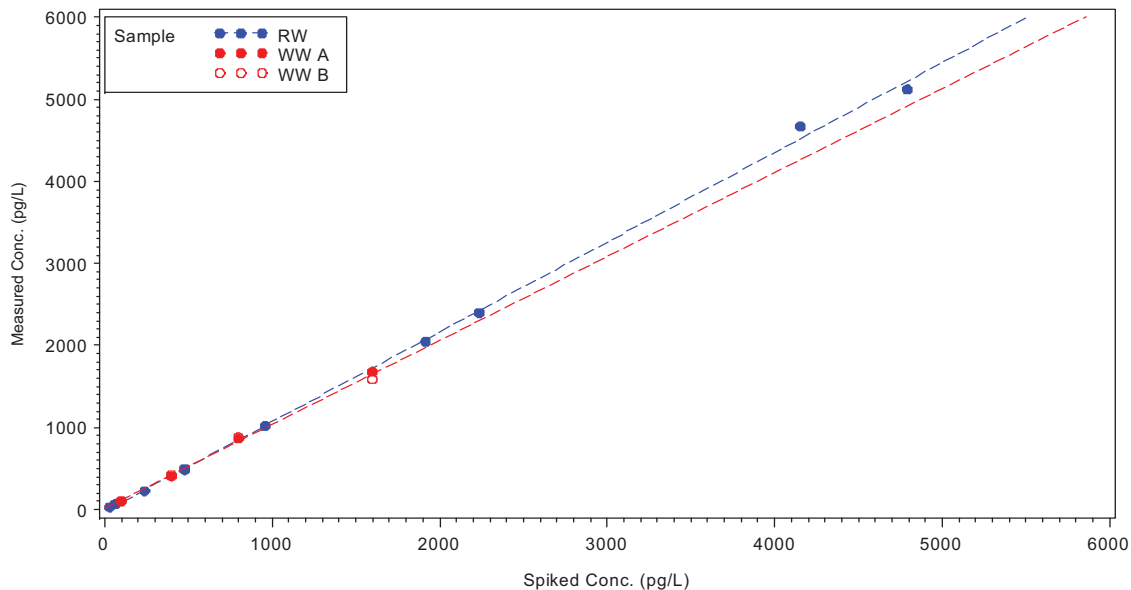
ANCOVA results
 RW slope= 0.926 WW slope= 0.926 p-value=1.0000

Reagent Water and Waste Water Results vs. Spiked Concentration for Lab 3
PCB 21/ 33



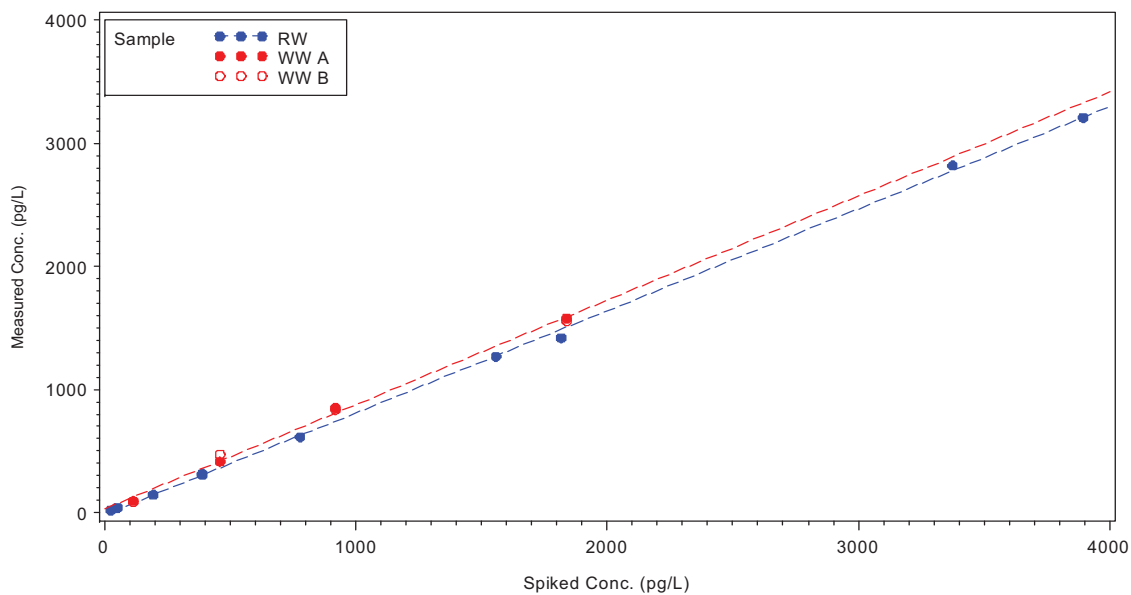
ANCOVA results
 RW slope= 0.932 WW slope= 0.867 p-value=0.0150

Reagent Water and Waste Water Results vs. Spiked Concentration for Lab 3
PCB 22



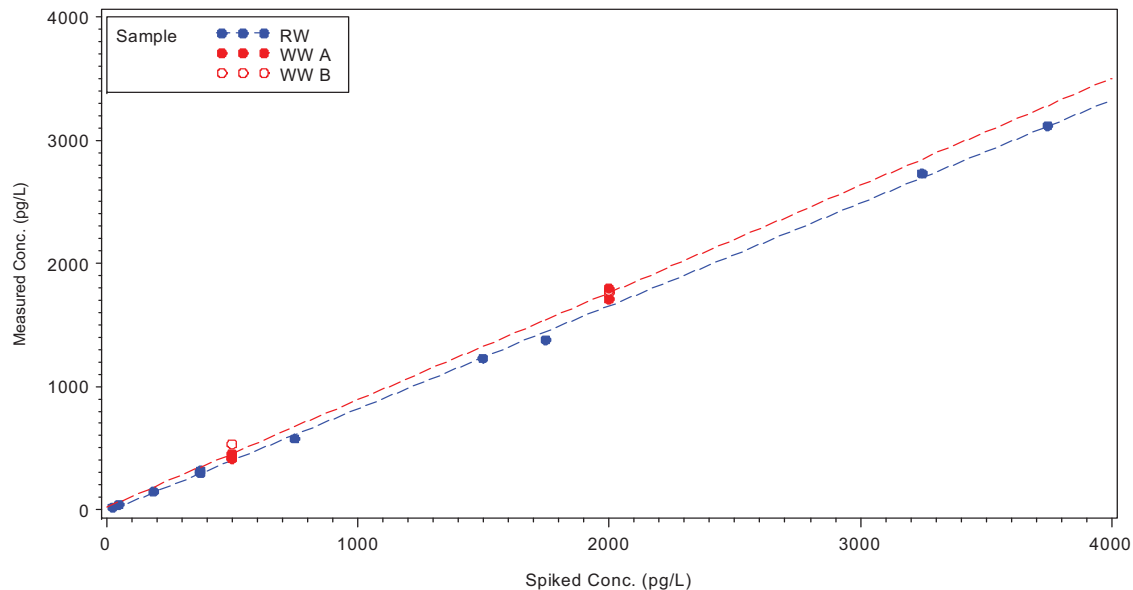
ANCOVA results
RW slope= 1.094 WW slope= 1.021 p-value=0.0785

Reagent Water and Waste Water Results vs. Spiked Concentration for Lab 3
PCB 23



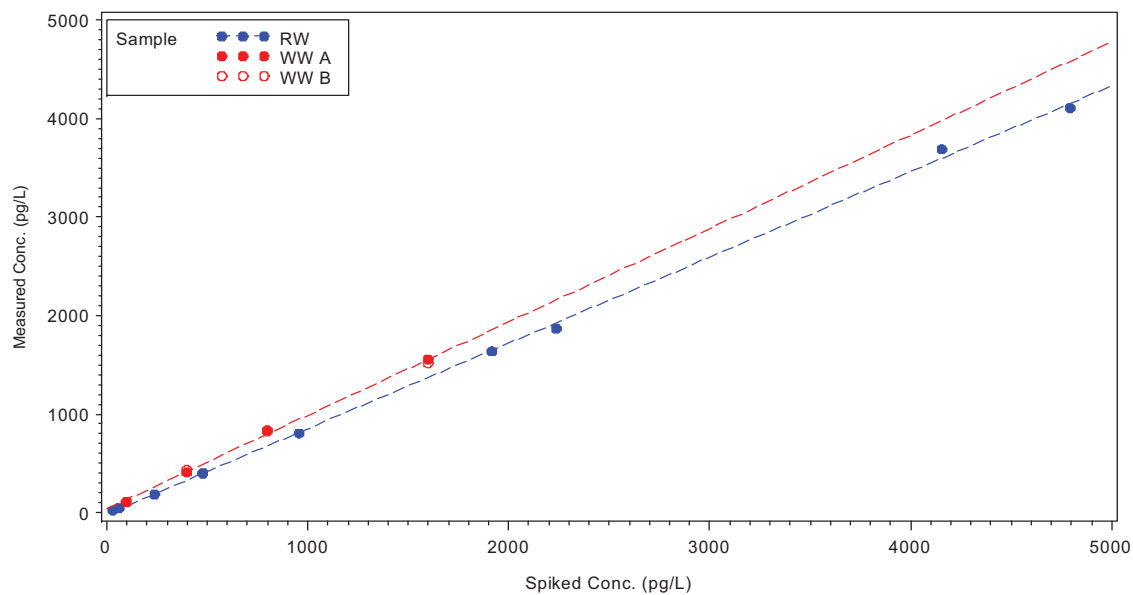
ANCOVA results
RW slope= 0.828 WW slope= 0.847 p-value=0.3855

Reagent Water and Waste Water Results vs. Spiked Concentration for Lab 3
PCB 24



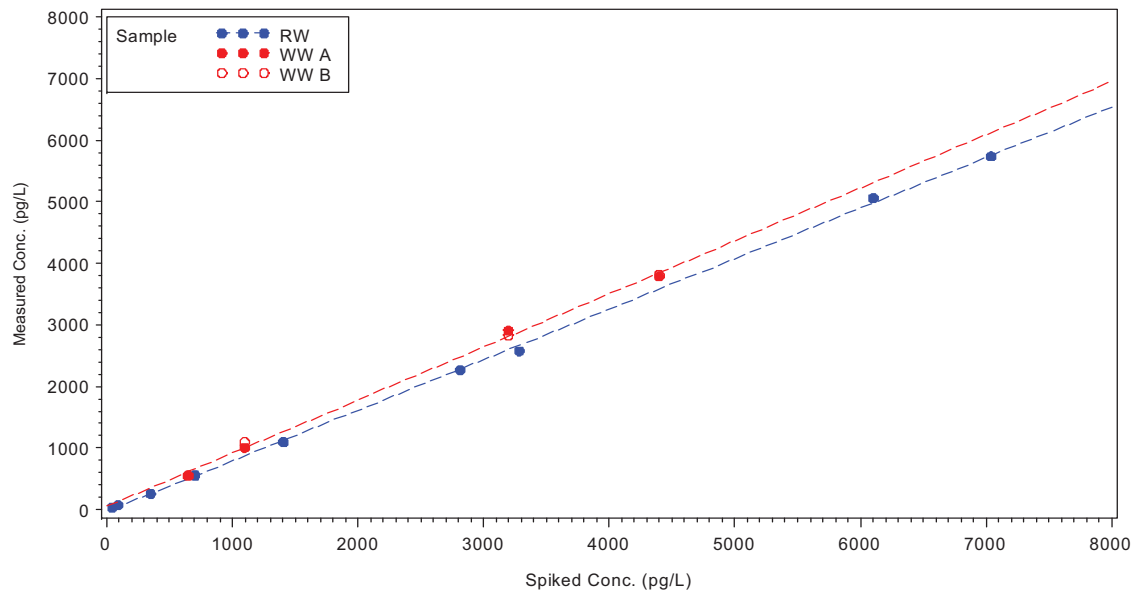
ANCOVA results
RW slope= 0.835 WW slope= 0.87 p-value=0.1098

Reagent Water and Waste Water Results vs. Spiked Concentration for Lab 3
PCB 25



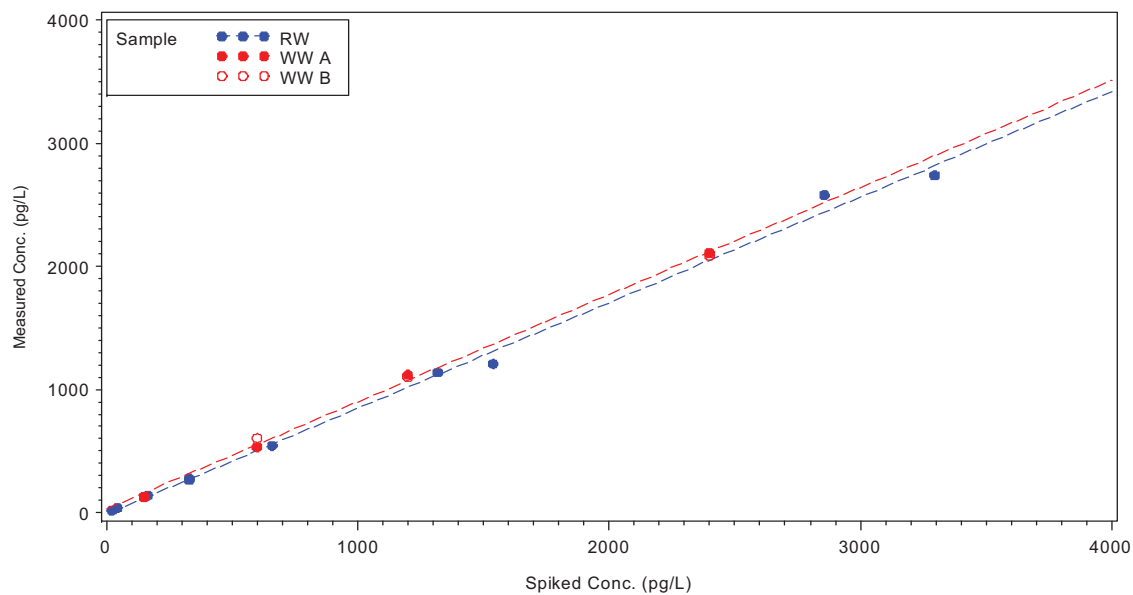
ANCOVA results
RW slope= 0.87 WW slope= 0.948 p-value=0.0092

Reagent Water and Waste Water Results vs. Spiked Concentration for Lab 3
PCB 26/29



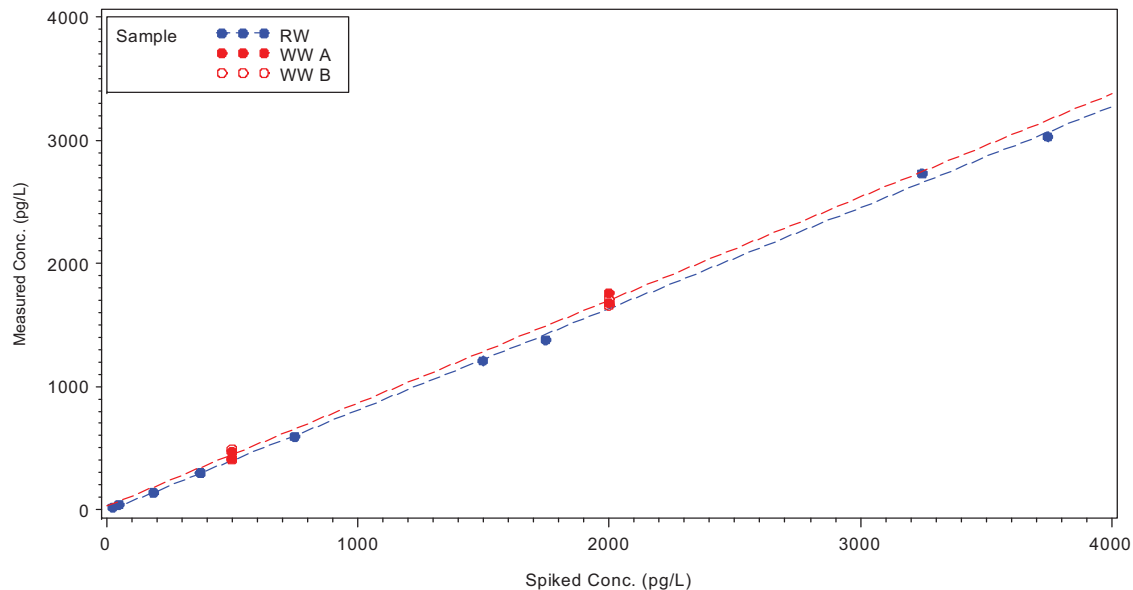
ANCOVA results
RW slope= 0.821 WW slope= 0.862 p-value=0.0242

Reagent Water and Waste Water Results vs. Spiked Concentration for Lab 3
PCB 27



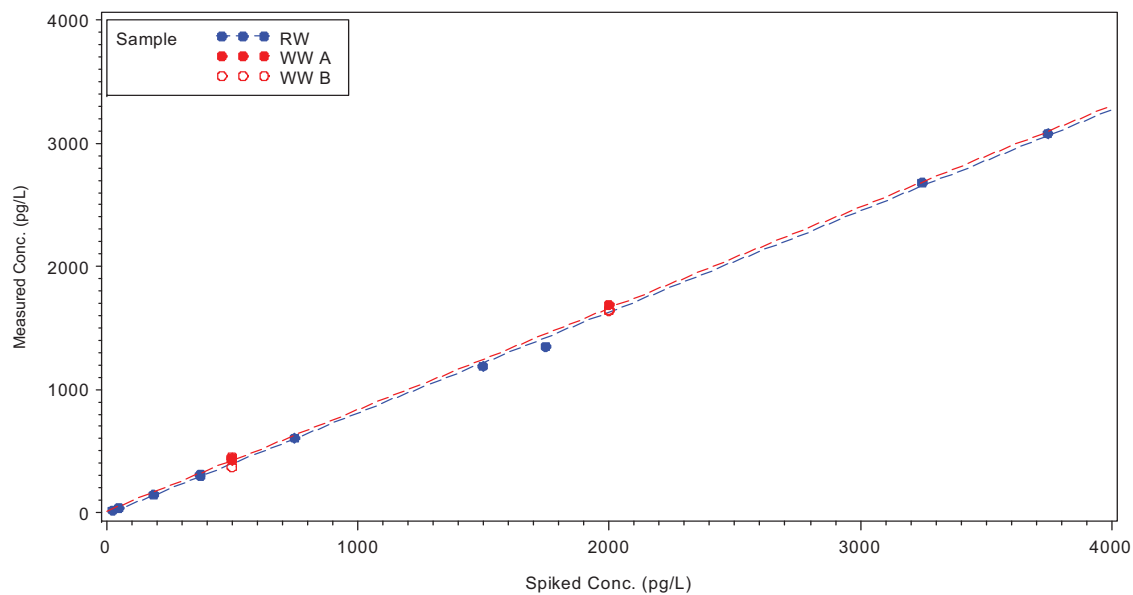
ANCOVA results
RW slope= 0.858 WW slope= 0.87 p-value=0.6898

Reagent Water and Waste Water Results vs. Spiked Concentration for Lab 3
PCB 31



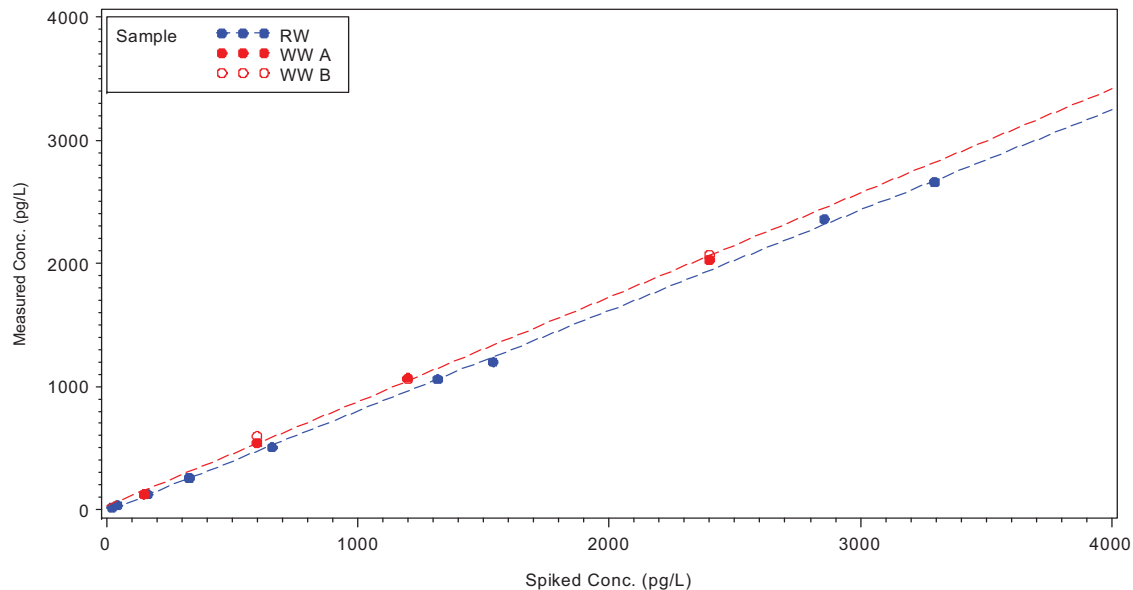
ANCOVA results
RW slope= 0.822 WW slope= 0.837 p-value=0.4722

Reagent Water and Waste Water Results vs. Spiked Concentration for Lab 3
PCB 32



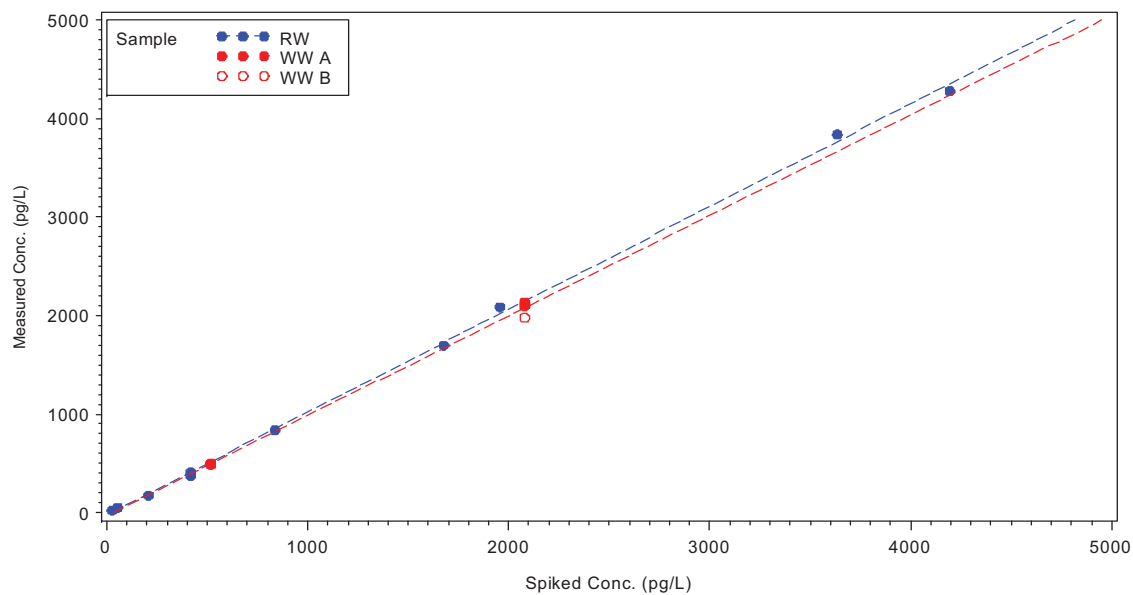
ANCOVA results
RW slope= 0.821 WW slope= 0.827 p-value=0.7268

Reagent Water and Waste Water Results vs. Spiked Concentration for Lab 3
PCB 34



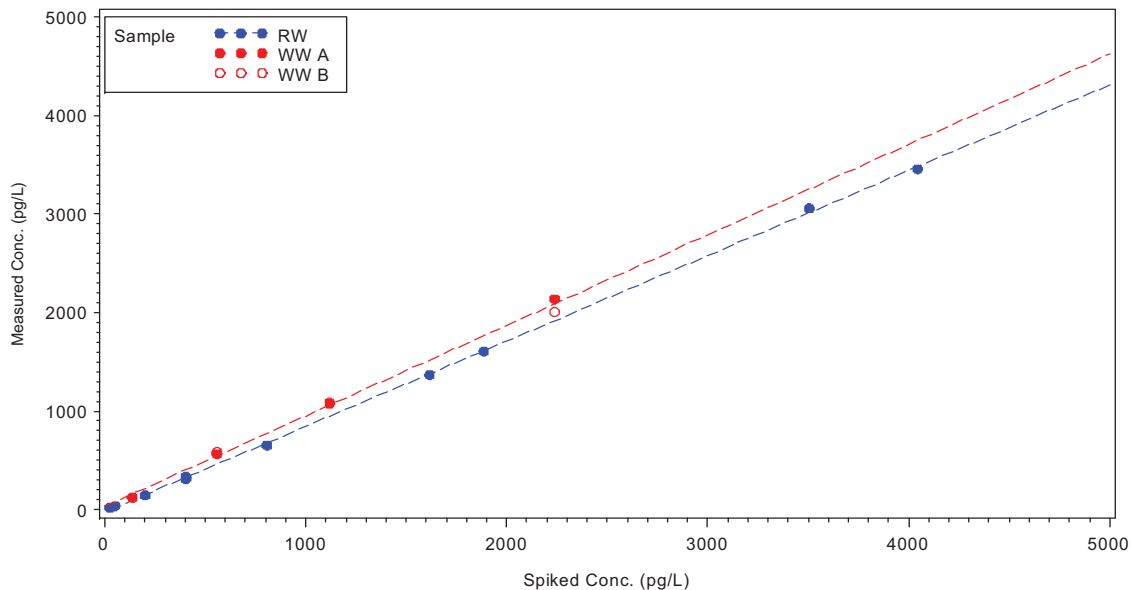
ANCOVA results
RW slope= 0.815 WW slope= 0.847 p-value=0.0515

Reagent Water and Waste Water Results vs. Spiked Concentration for Lab 3
PCB 35



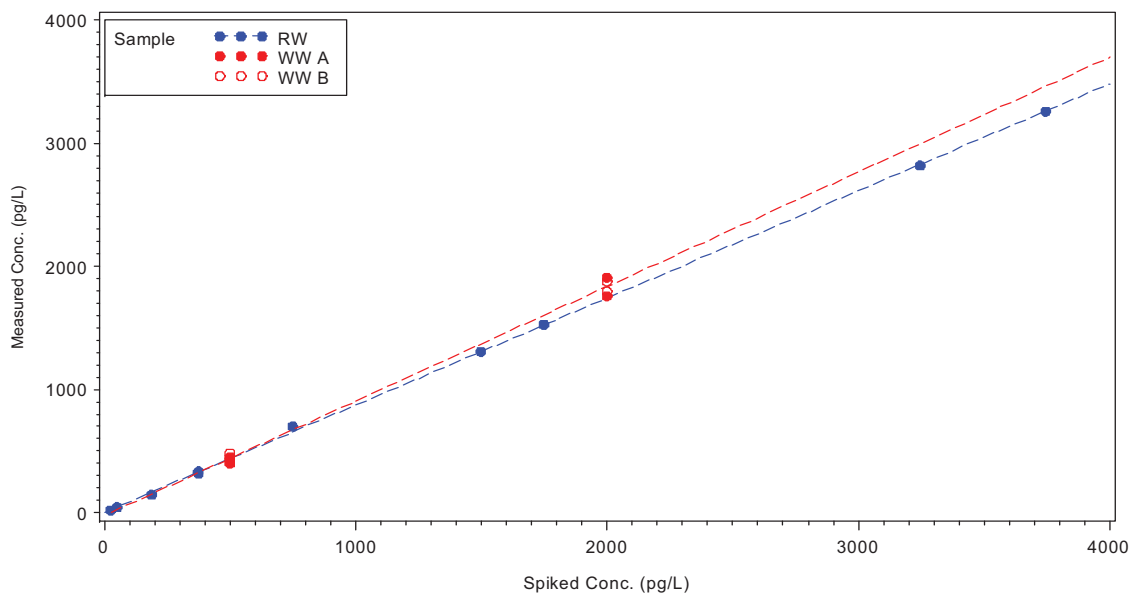
ANCOVA results
RW slope= 1.043 WW slope= 1.017 p-value=0.3063

Reagent Water and Waste Water Results vs. Spiked Concentration for Lab 3
PCB 36



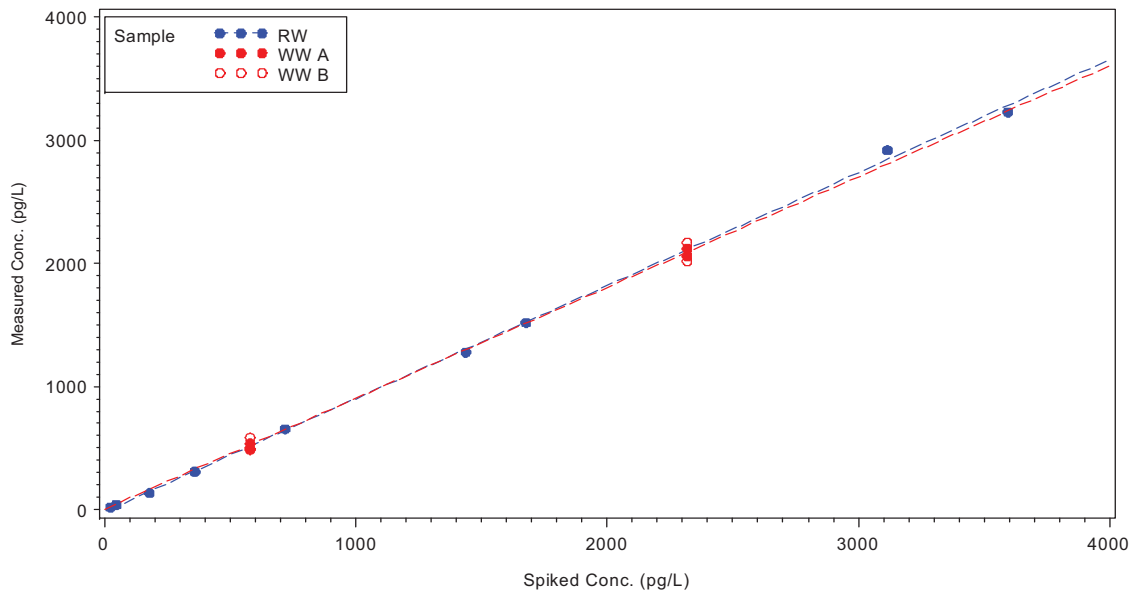
ANCOVA results
RW slope= 0.867 WW slope= 0.919 p-value=0.0141

Reagent Water and Waste Water Results vs. Spiked Concentration for Lab 3
PCB 37



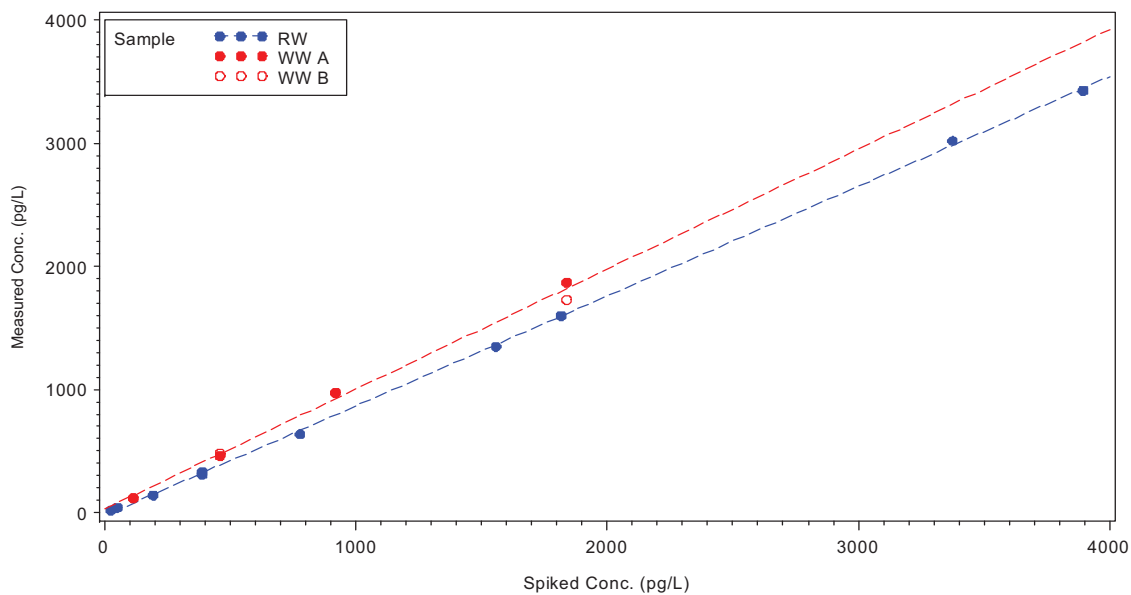
ANCOVA results
RW slope= 0.869 WW slope= 0.93 p-value=0.0122

Reagent Water and Waste Water Results vs. Spiked Concentration for Lab 3
PCB 38



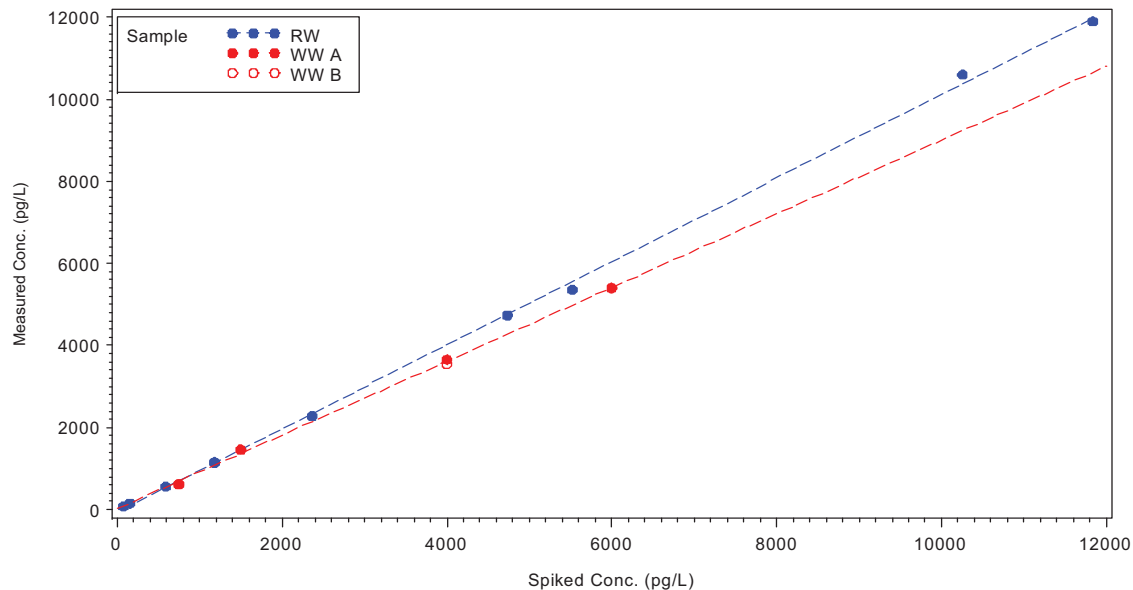
ANCOVA results
RW slope= 0.917 WW slope= 0.9 p-value=0.4538

Reagent Water and Waste Water Results vs. Spiked Concentration for Lab 3
PCB 39



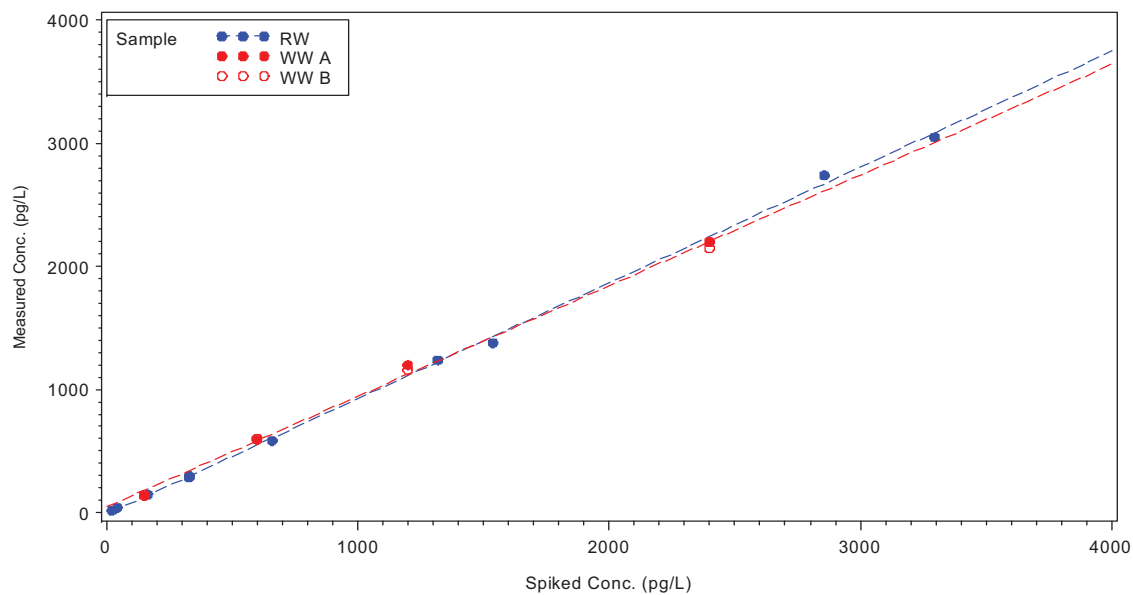
ANCOVA results
RW slope= 0.891 WW slope= 0.974 p-value=0.0029

Reagent Water and Waste Water Results vs. Spiked Concentration for Lab 3
PCB 40/41/71



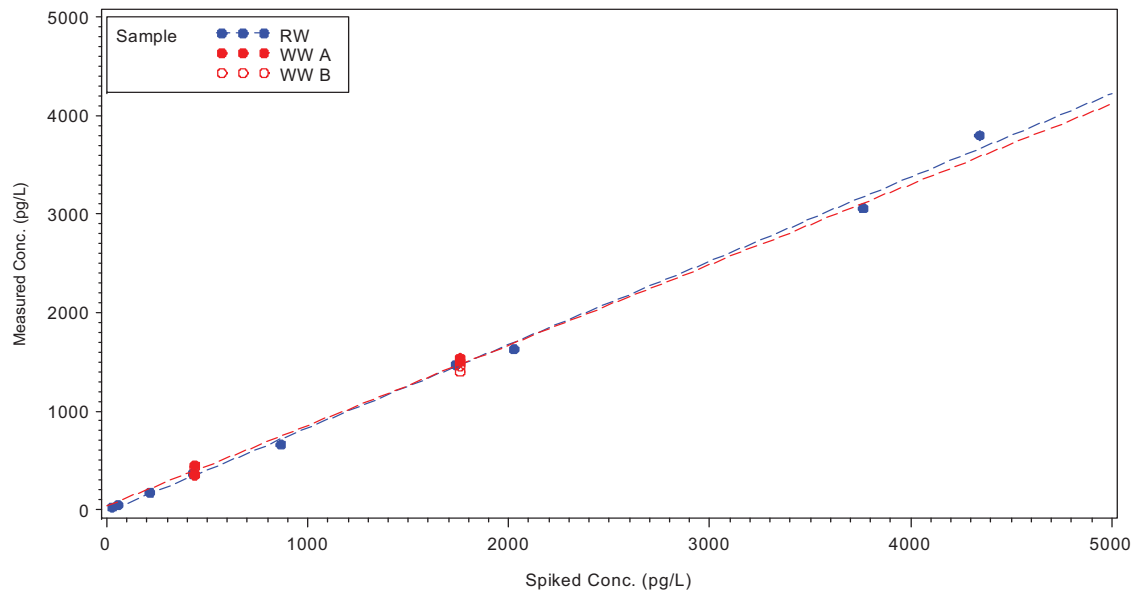
ANCOVA results
RW slope= 1.017 WW slope= 0.898 p-value=<.0001

Reagent Water and Waste Water Results vs. Spiked Concentration for Lab 3
PCB 42



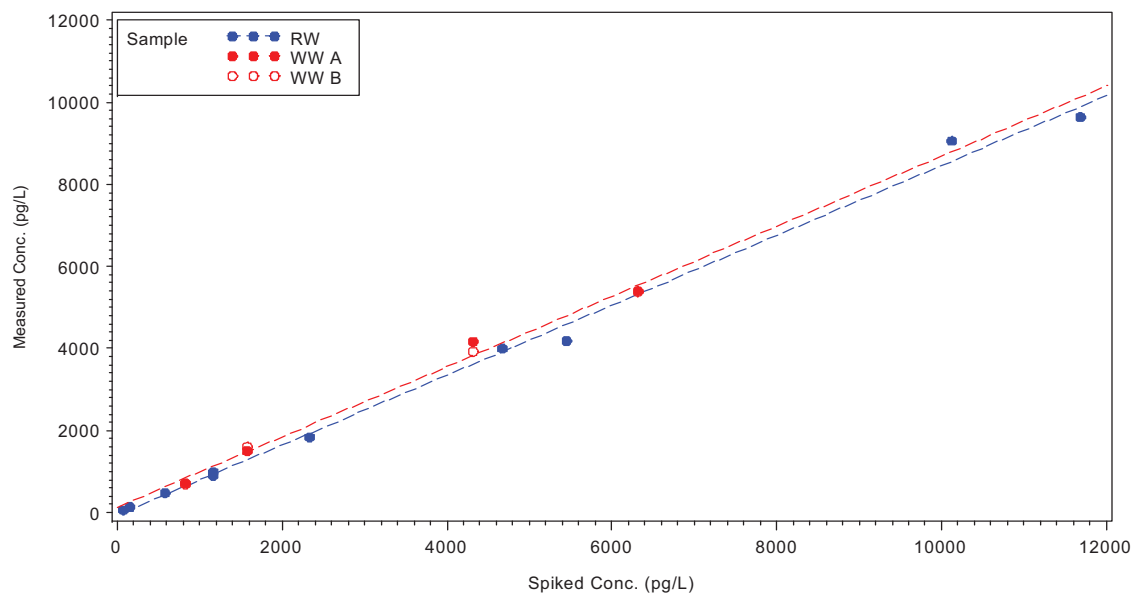
ANCOVA results
RW slope= 0.94 WW slope= 0.898 p-value=0.0663

Reagent Water and Waste Water Results vs. Spiked Concentration for Lab 3
PCB 43



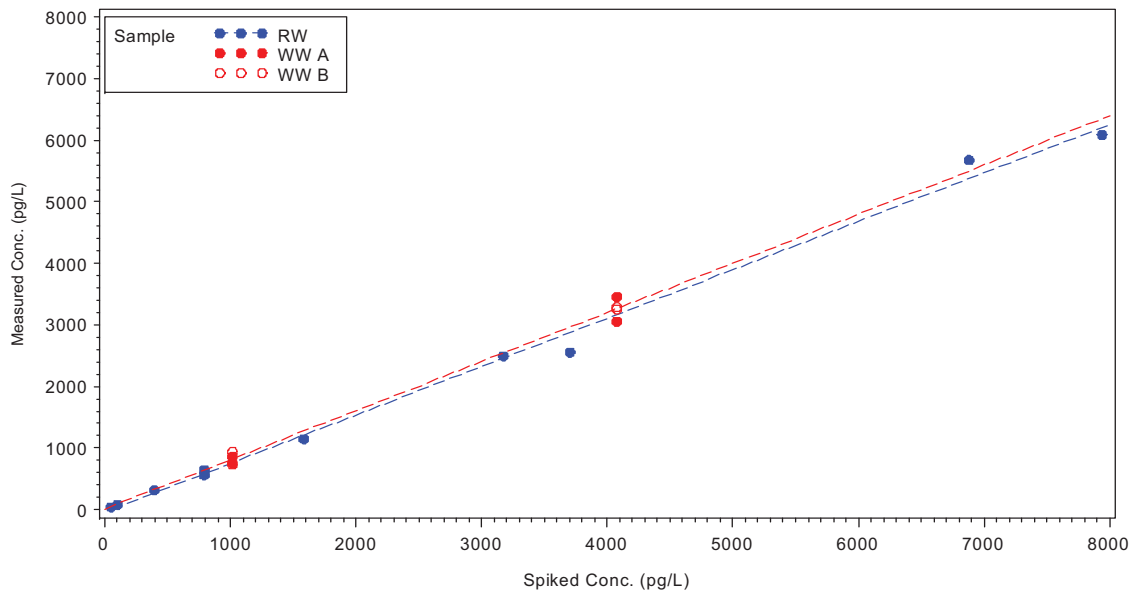
ANCOVA results
RW slope= 0.849 WW slope= 0.816 p-value=0.3949

Reagent Water and Waste Water Results vs. Spiked Concentration for Lab 3
PCB 44/ 47/ 65



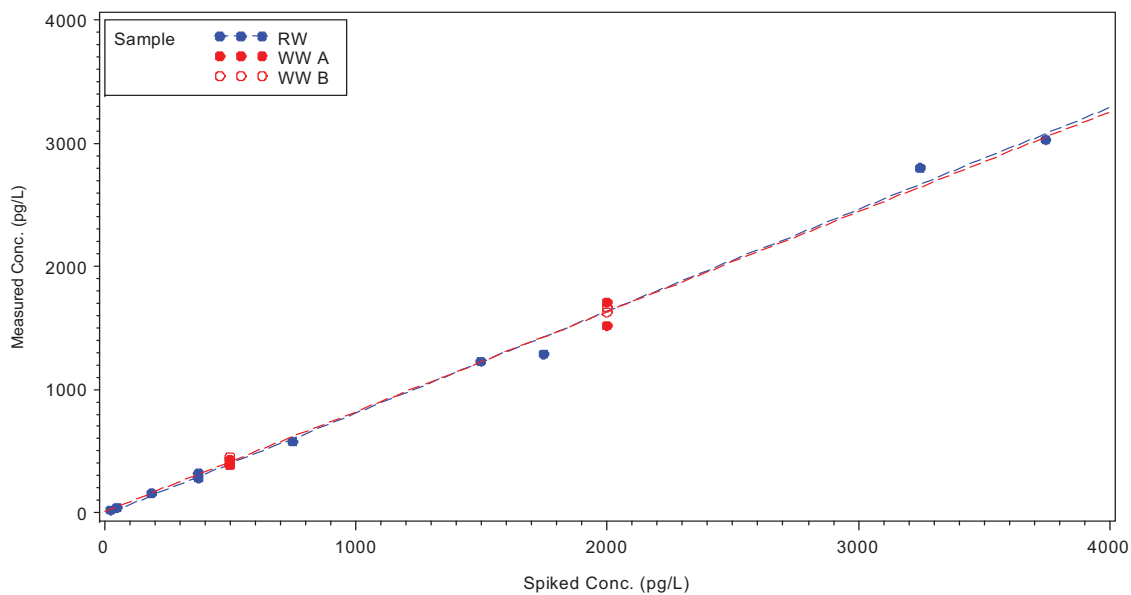
ANCOVA results
RW slope= 0.851 WW slope= 0.855 p-value=0.9332

Reagent Water and Waste Water Results vs. Spiked Concentration for Lab 3
PCB 45/ 51



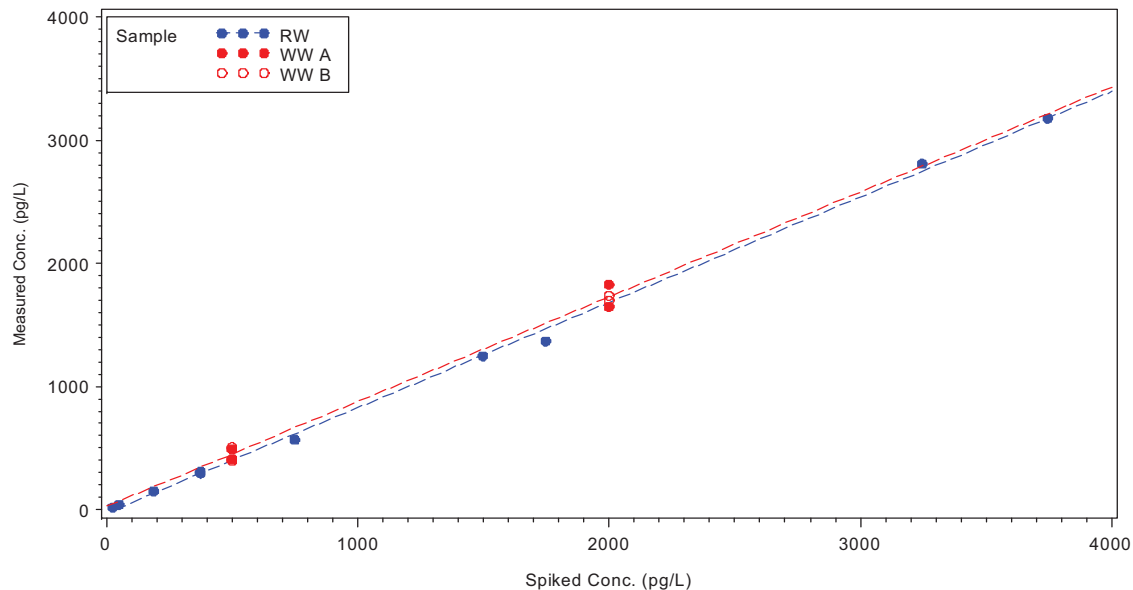
ANCOVA results
RW slope= 0.787 WW slope= 0.798 p-value=0.7885

Reagent Water and Waste Water Results vs. Spiked Concentration for Lab 3
PCB 46



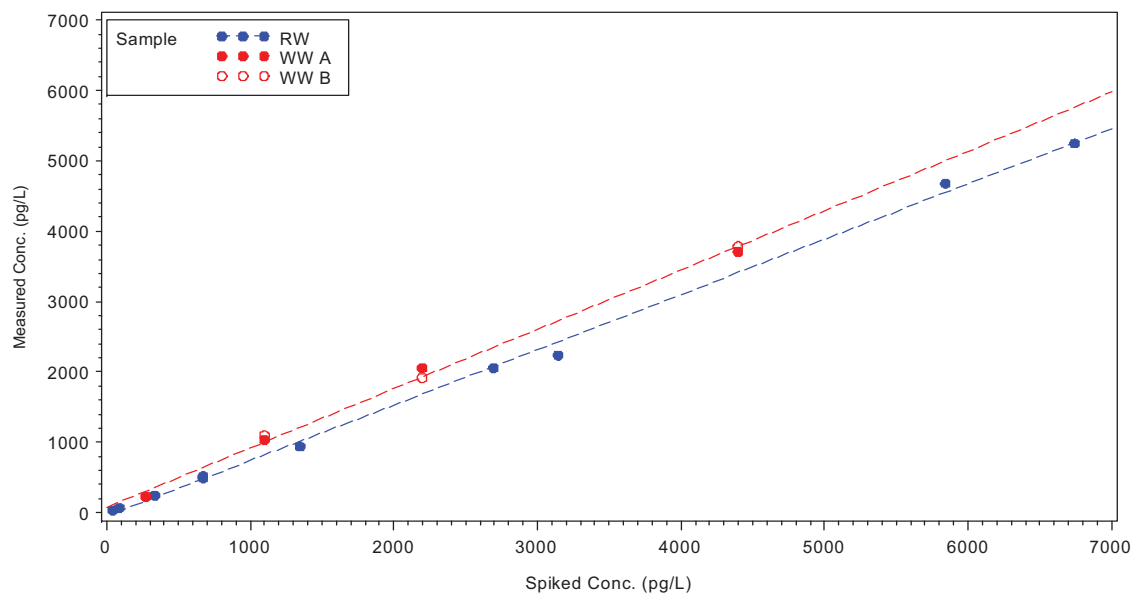
ANCOVA results
RW slope= 0.827 WW slope= 0.812 p-value=0.6921

Reagent Water and Waste Water Results vs. Spiked Concentration for Lab 3
PCB 48



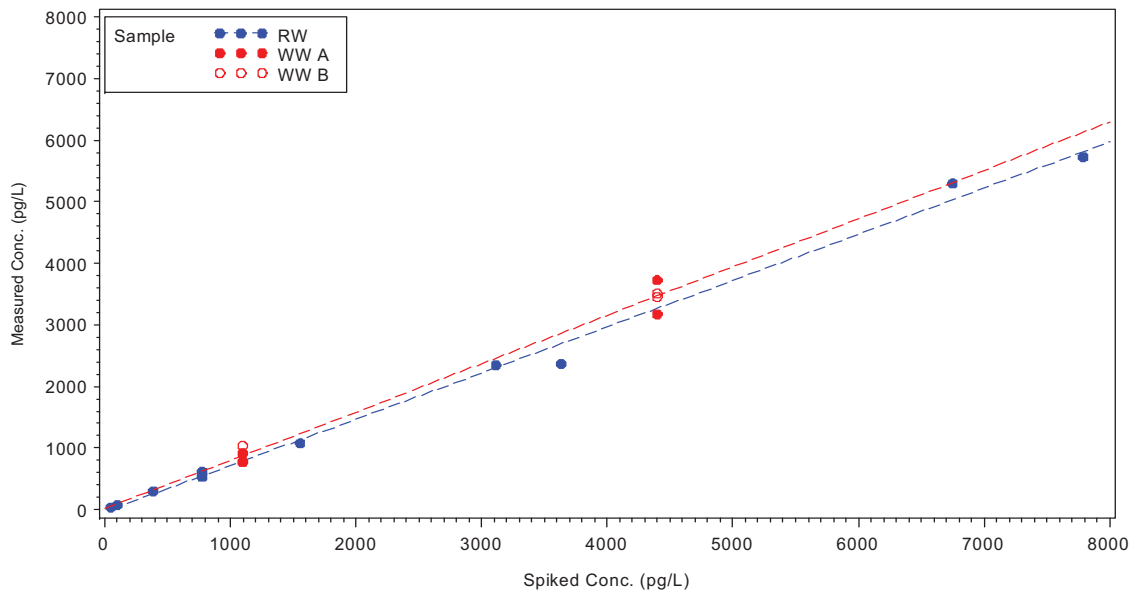
ANCOVA results
RW slope= 0.855 WW slope= 0.851 p-value=0.9002

Reagent Water and Waste Water Results vs. Spiked Concentration for Lab 3
PCB 49/69



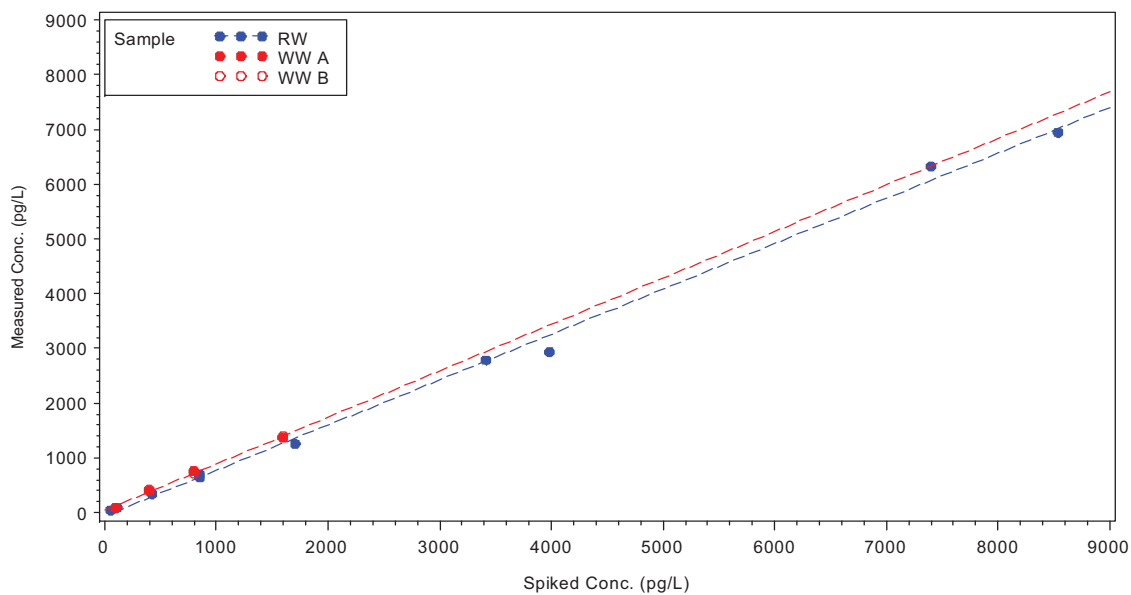
ANCOVA results
RW slope= 0.786 WW slope= 0.843 p-value=0.0371

Reagent Water and Waste Water Results vs. Spiked Concentration for Lab 3
PCB 50/53



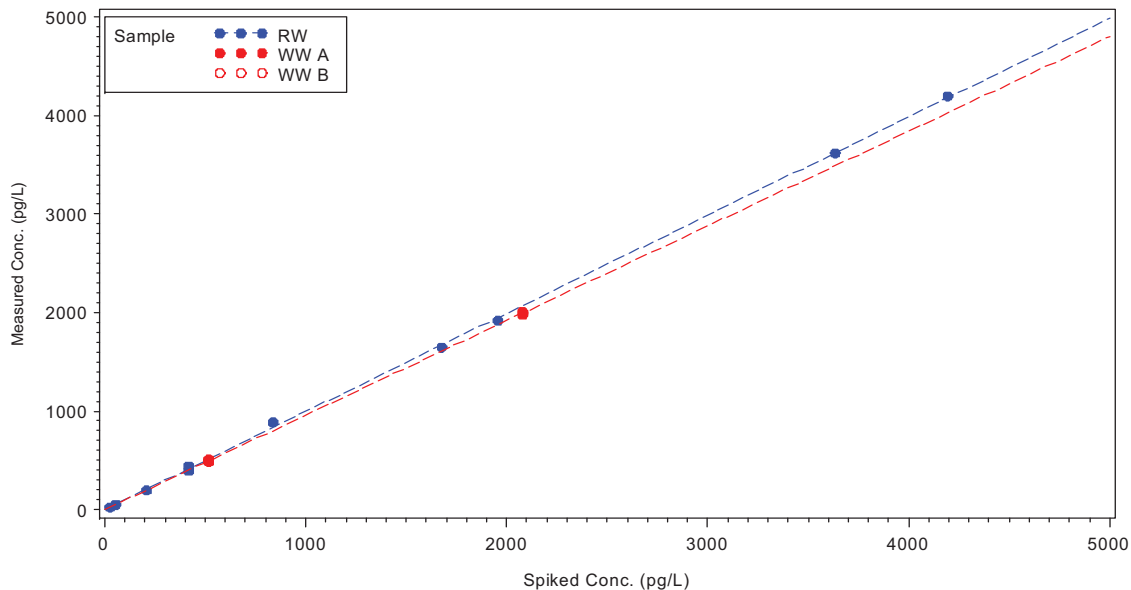
ANCOVA results
RW slope= 0.751 WW slope= 0.785 p-value=0.4361

Reagent Water and Waste Water Results vs. Spiked Concentration for Lab 3
PCB 52



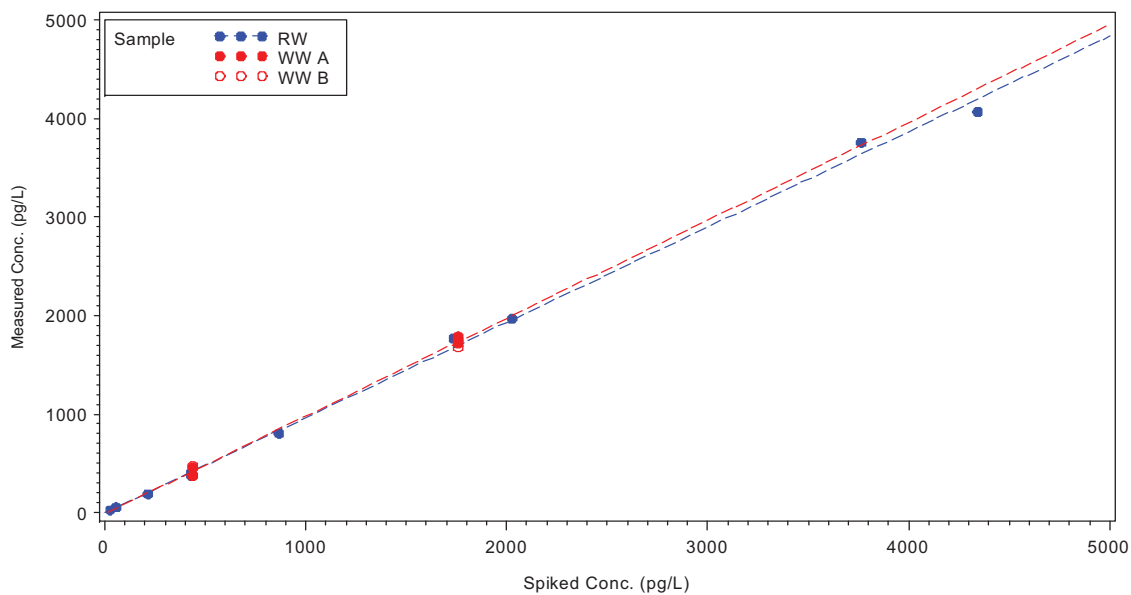
ANCOVA results
RW slope= 0.829 WW slope= 0.849 p-value=0.7912

Reagent Water and Waste Water Results vs. Spiked Concentration for Lab 3
PCB 54



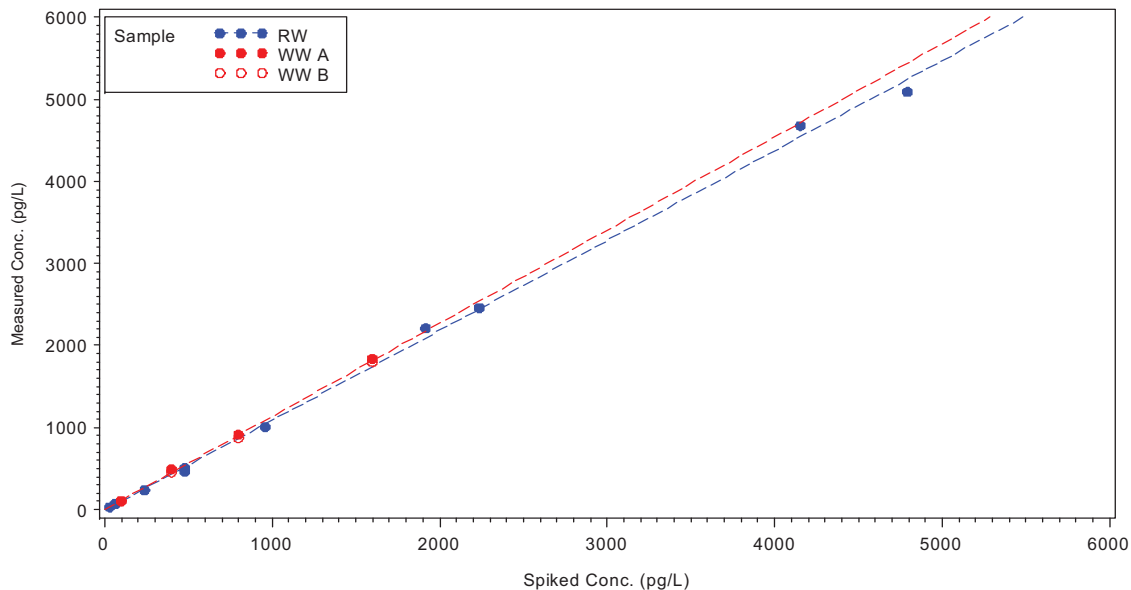
ANCOVA results
RW slope= 0.997 WW slope= 0.96 p-value=0.0132

Reagent Water and Waste Water Results vs. Spiked Concentration for Lab 3
PCB 55



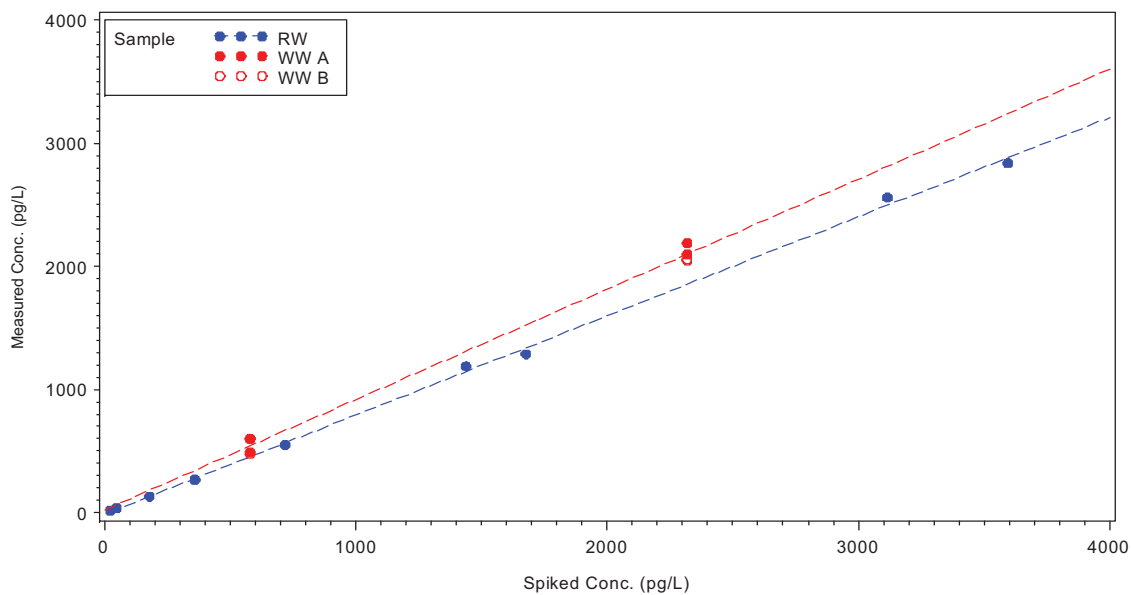
ANCOVA results
RW slope= 0.968 WW slope= 0.994 p-value=0.5057

Reagent Water and Waste Water Results vs. Spiked Concentration for Lab 3
PCB 56



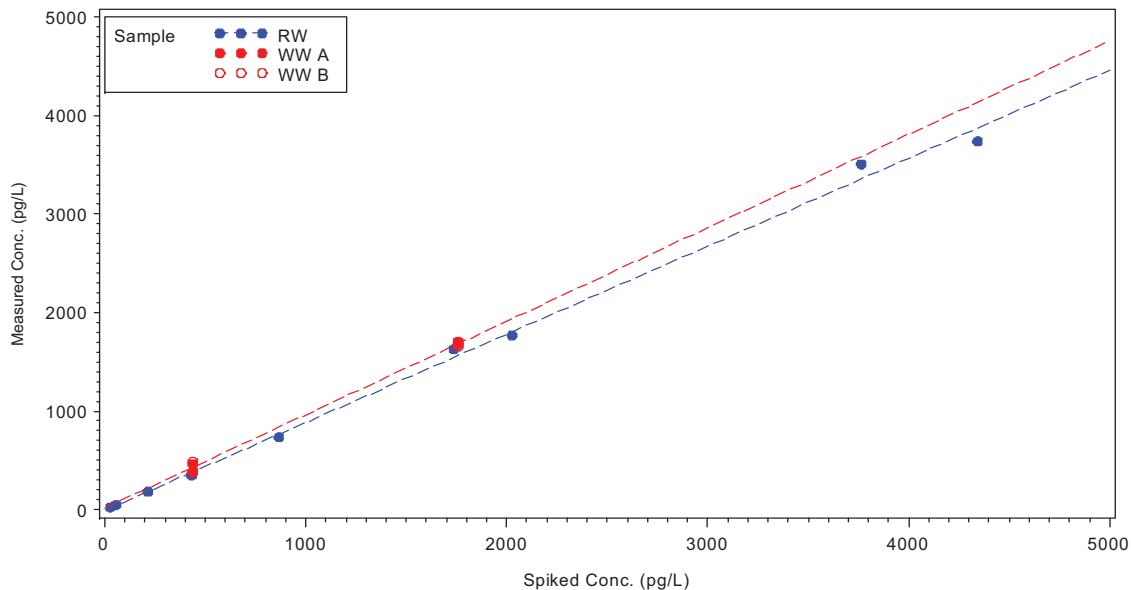
ANCOVA results
RW slope= 1.095 WW slope= 1.135 p-value=0.3988

Reagent Water and Waste Water Results vs. Spiked Concentration for Lab 3
PCB 57



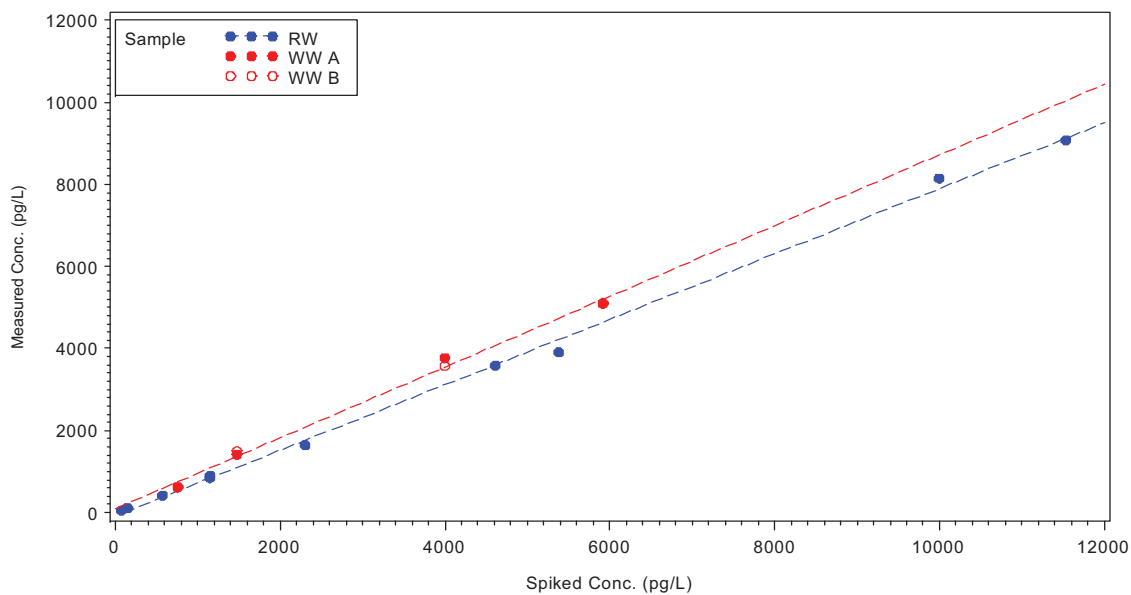
ANCOVA results
RW slope= 0.805 WW slope= 0.895 p-value=0.0024

Reagent Water and Waste Water Results vs. Spiked Concentration for Lab 3
PCB 58



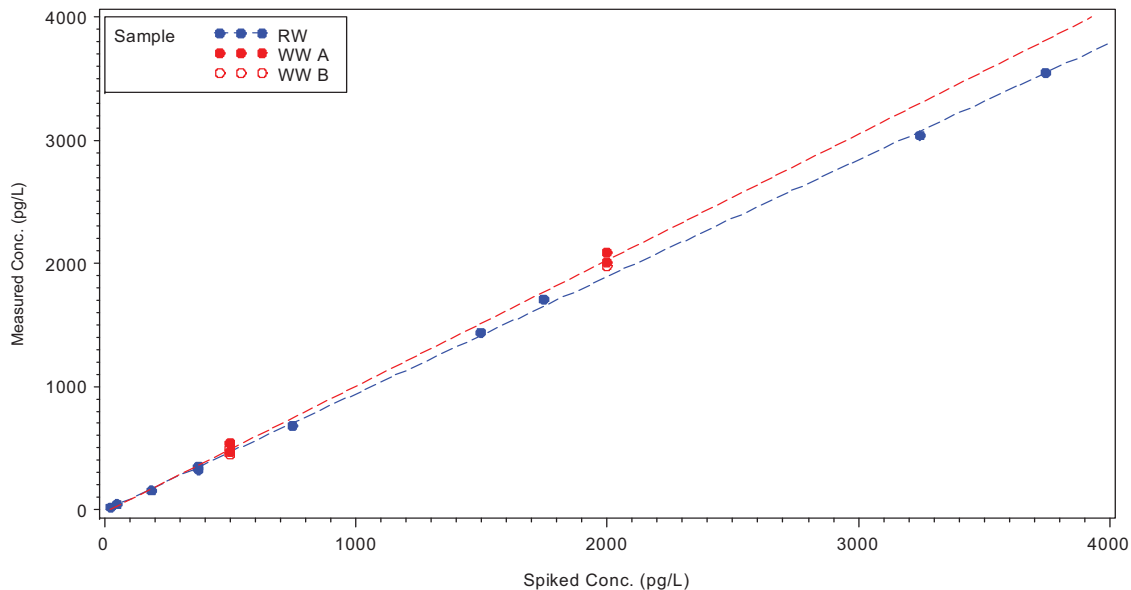
ANCOVA results
RW slope= 0.895 WW slope= 0.949 p-value=0.1953

Reagent Water and Waste Water Results vs. Spiked Concentration for Lab 3
PCB 59/ 62/ 75



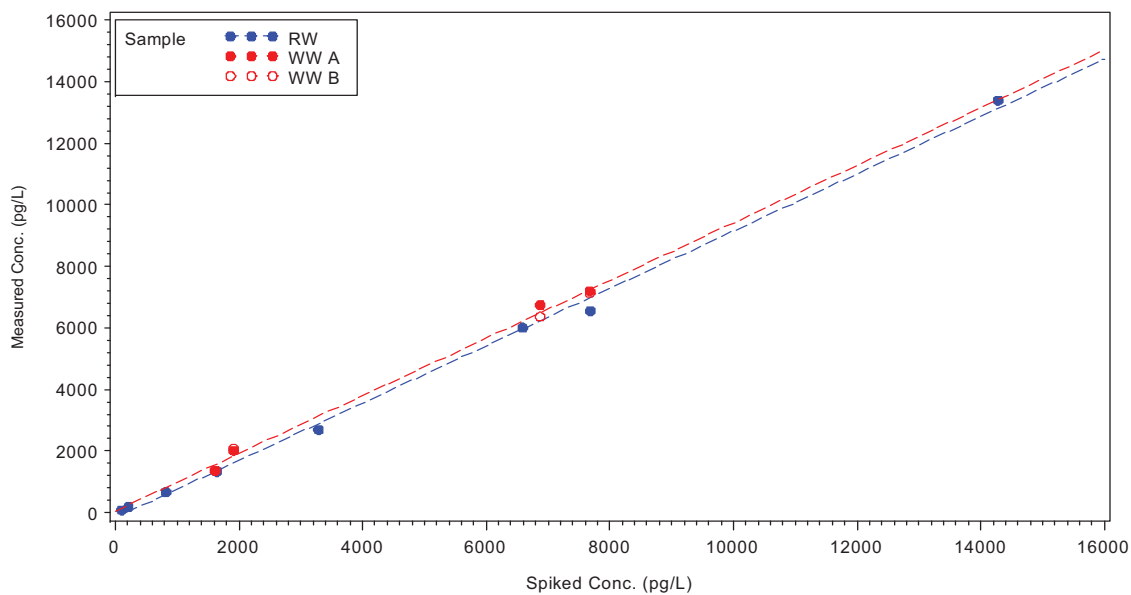
ANCOVA results
RW slope= 0.798 WW slope= 0.862 p-value=0.0473

Reagent Water and Waste Water Results vs. Spiked Concentration for Lab 3
PCB 60



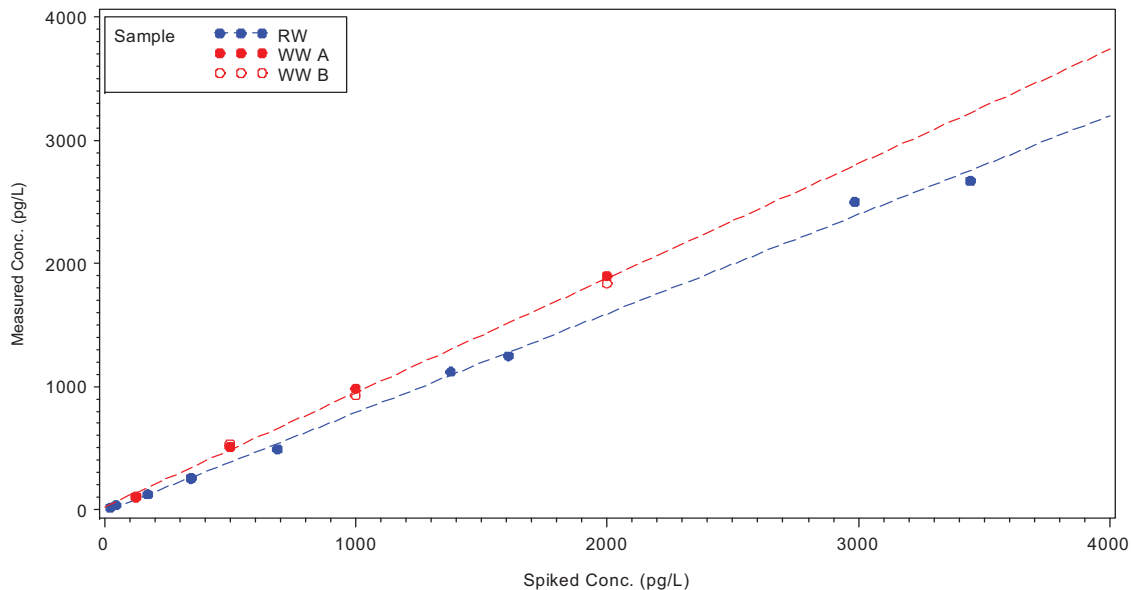
ANCOVA results
RW slope= 0.949 WW slope= 1.019 p-value=0.0037

Reagent Water and Waste Water Results vs. Spiked Concentration for Lab 3
PCB 61/ 70/ 74/ 76



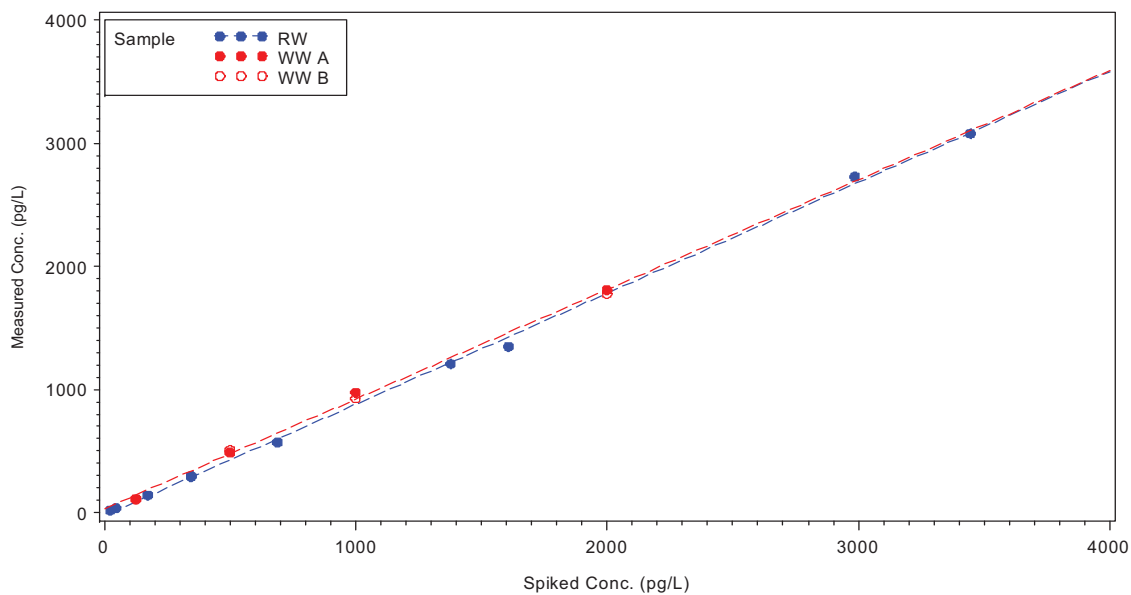
ANCOVA results
RW slope= 0.897 WW slope= 0.936 p-value=0.3472

Reagent Water and Waste Water Results vs. Spiked Concentration for Lab 3
PCB 63



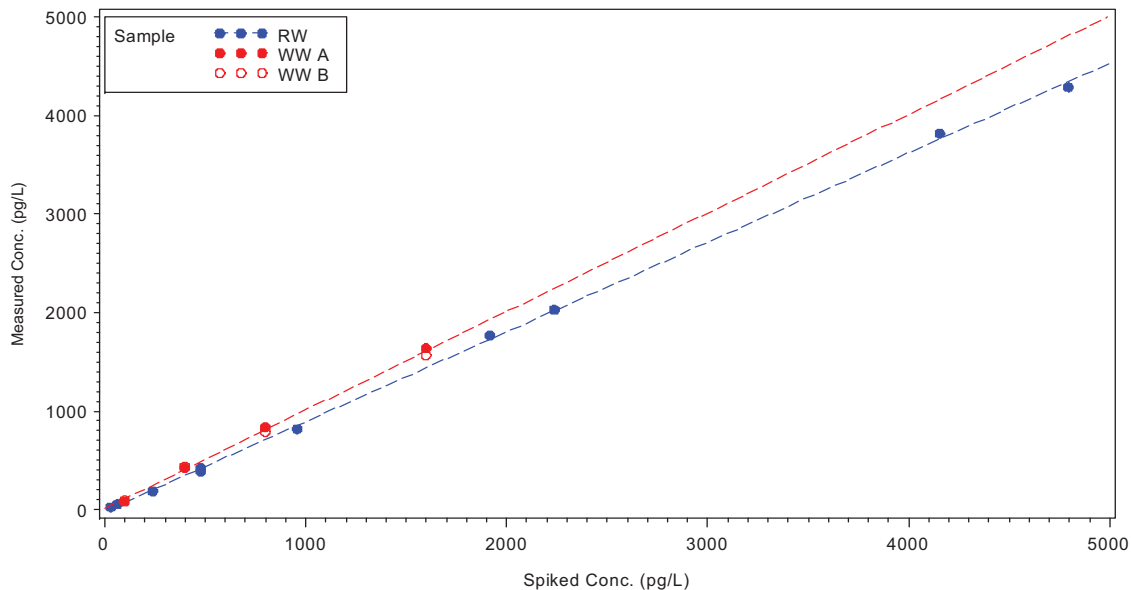
ANCOVA results
RW slope= 0.804 WW slope= 0.929 p-value=0.0007

Reagent Water and Waste Water Results vs. Spiked Concentration for Lab 3
PCB 64



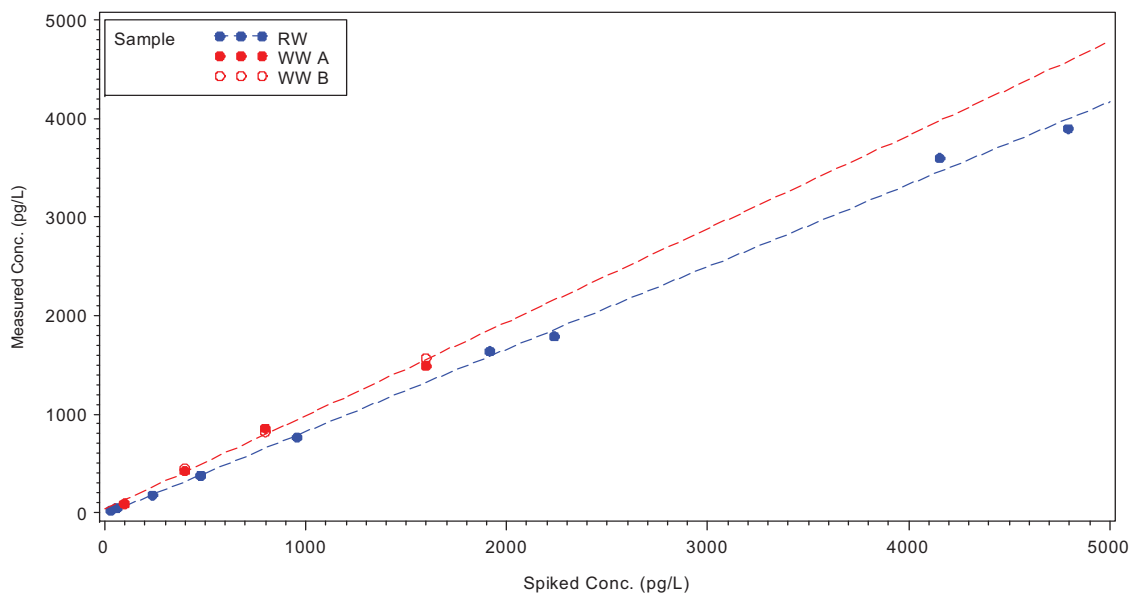
ANCOVA results
RW slope= 0.902 WW slope= 0.89 p-value=0.6068

Reagent Water and Waste Water Results vs. Spiked Concentration for Lab 3
PCB 66



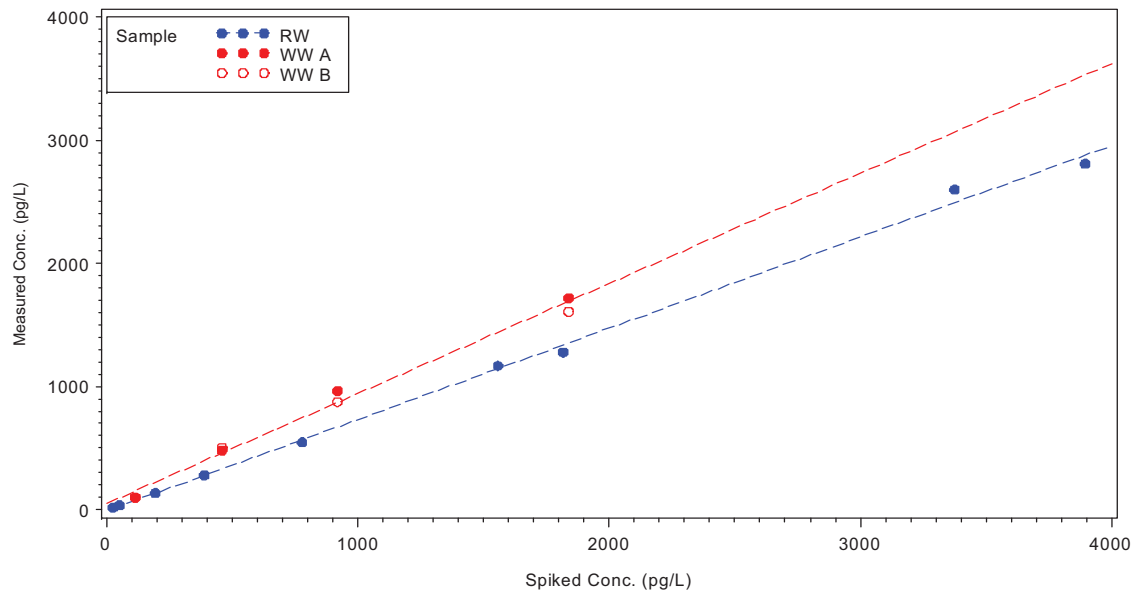
ANCOVA results
RW slope= 0.91 WW slope= 1.001 p-value=0.0016

Reagent Water and Waste Water Results vs. Spiked Concentration for Lab 3
PCB 67



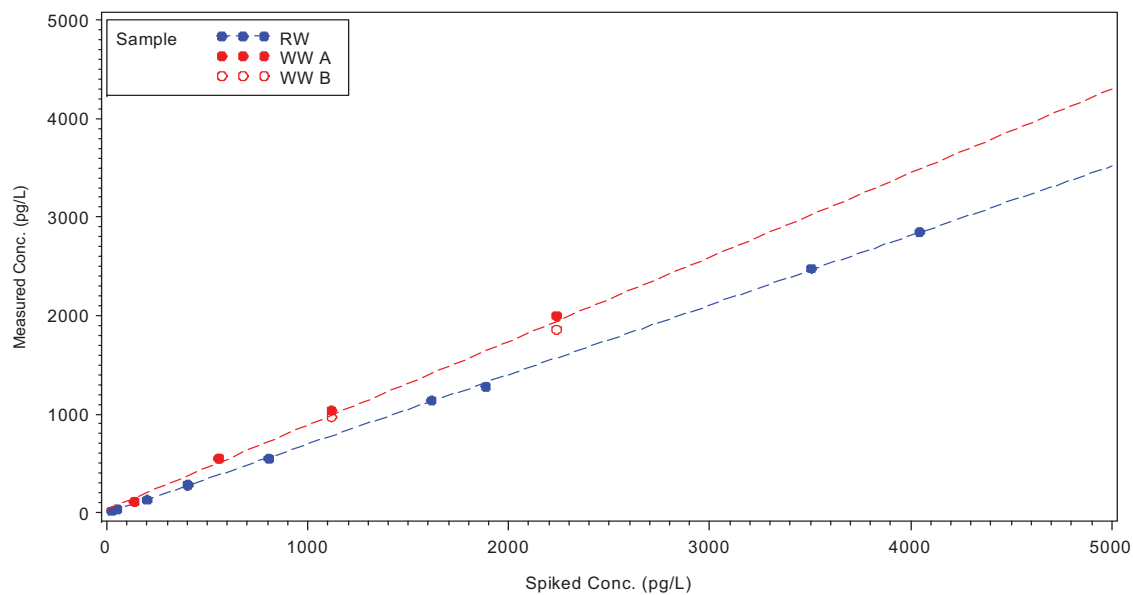
ANCOVA results
RW slope= 0.837 WW slope= 0.949 p-value=0.0162

Reagent Water and Waste Water Results vs. Spiked Concentration for Lab 3
PCB 68



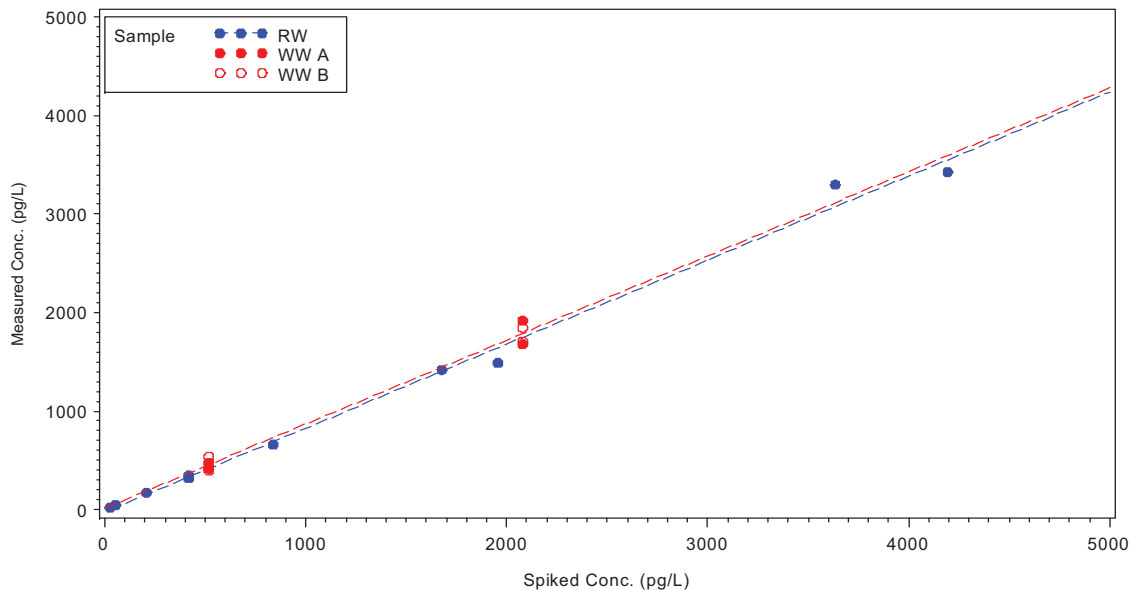
ANCOVA results
RW slope= 0.742 WW slope= 0.894 p-value=0.0010

Reagent Water and Waste Water Results vs. Spiked Concentration for Lab 3
PCB 72



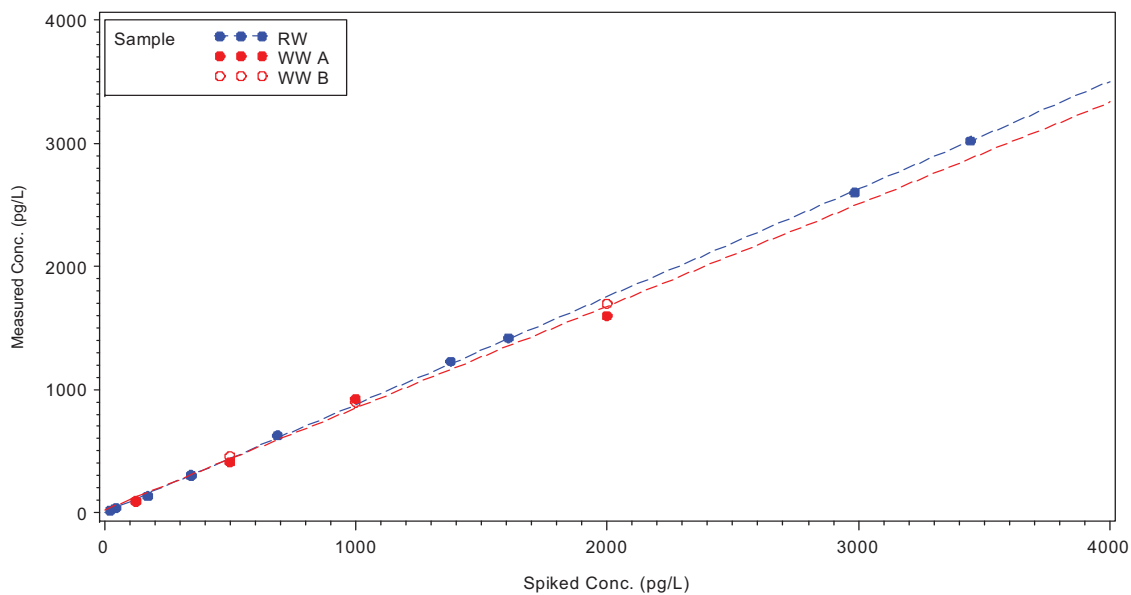
ANCOVA results
RW slope= 0.706 WW slope= 0.853 p-value=<.0001

Reagent Water and Waste Water Results vs. Spiked Concentration for Lab 3
PCB 73



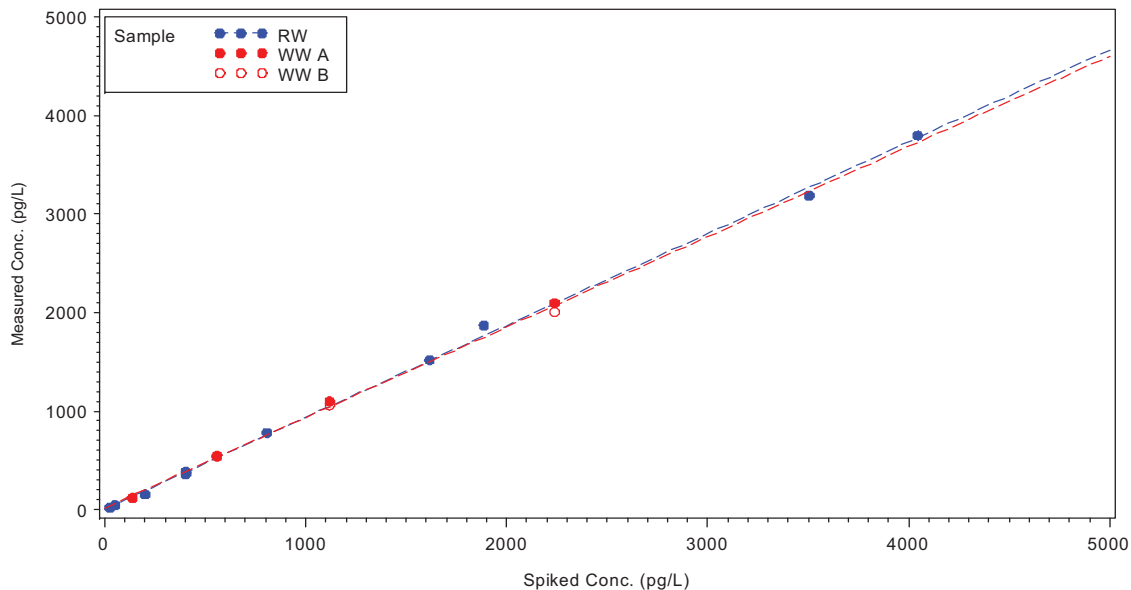
ANCOVA results
RW slope= 0.853 WW slope= 0.854 p-value=0.9801

Reagent Water and Waste Water Results vs. Spiked Concentration for Lab 3
PCB 77



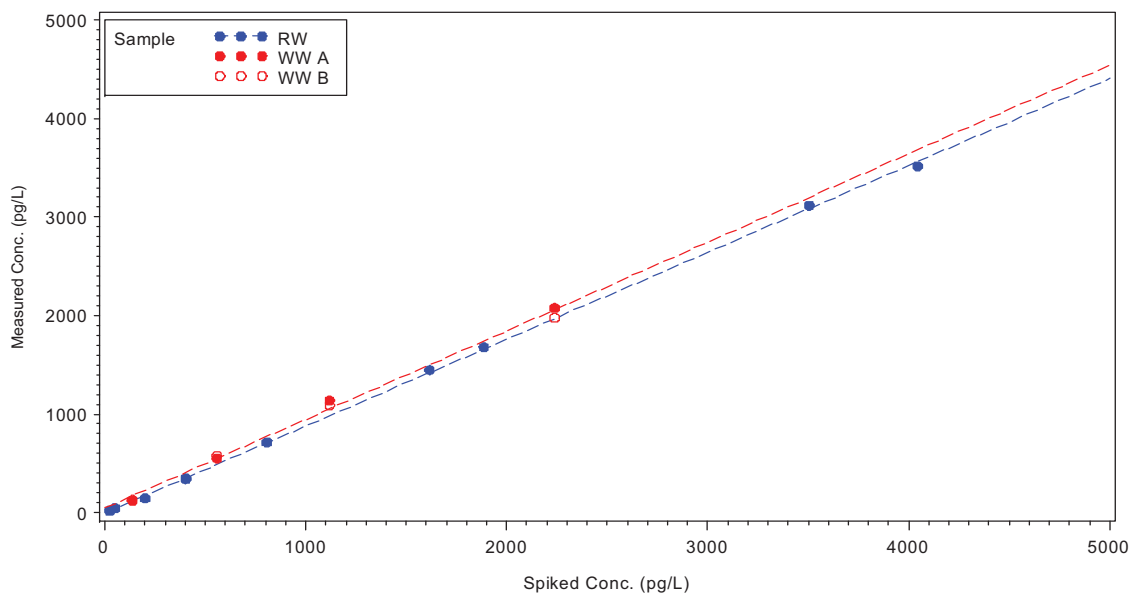
ANCOVA results
RW slope= 0.875 WW slope= 0.828 p-value=0.0423

Reagent Water and Waste Water Results vs. Spiked Concentration for Lab 3
PCB 78



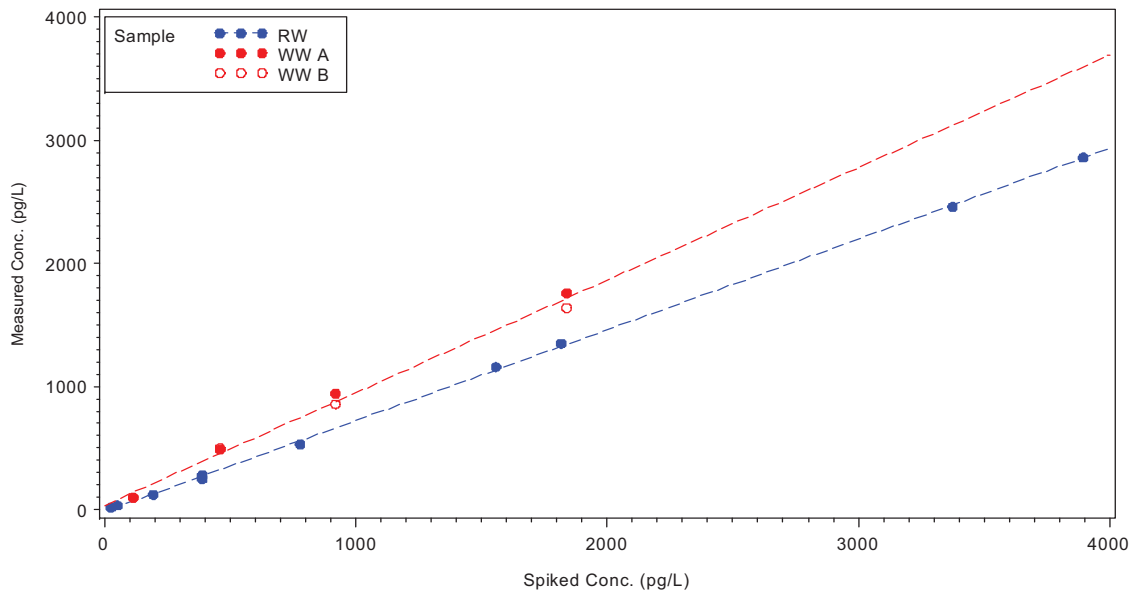
ANCOVA results
RW slope= 0.933 WW slope= 0.917 p-value=0.5240

Reagent Water and Waste Water Results vs. Spiked Concentration for Lab 3
PCB 79



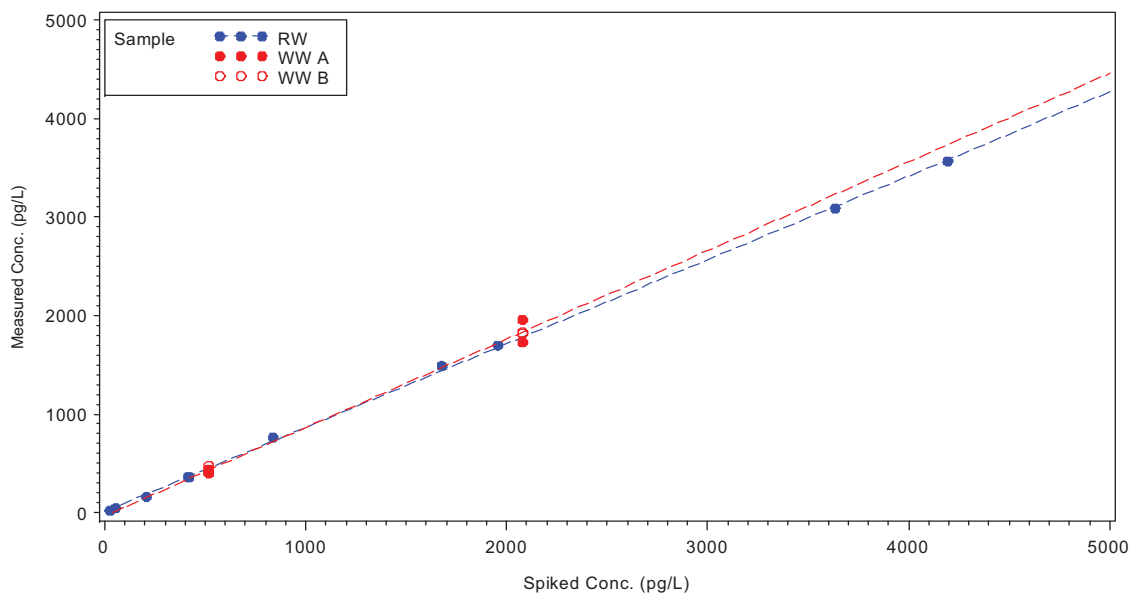
ANCOVA results
RW slope= 0.882 WW slope= 0.899 p-value=0.4432

Reagent Water and Waste Water Results vs. Spiked Concentration for Lab 3
PCB 80



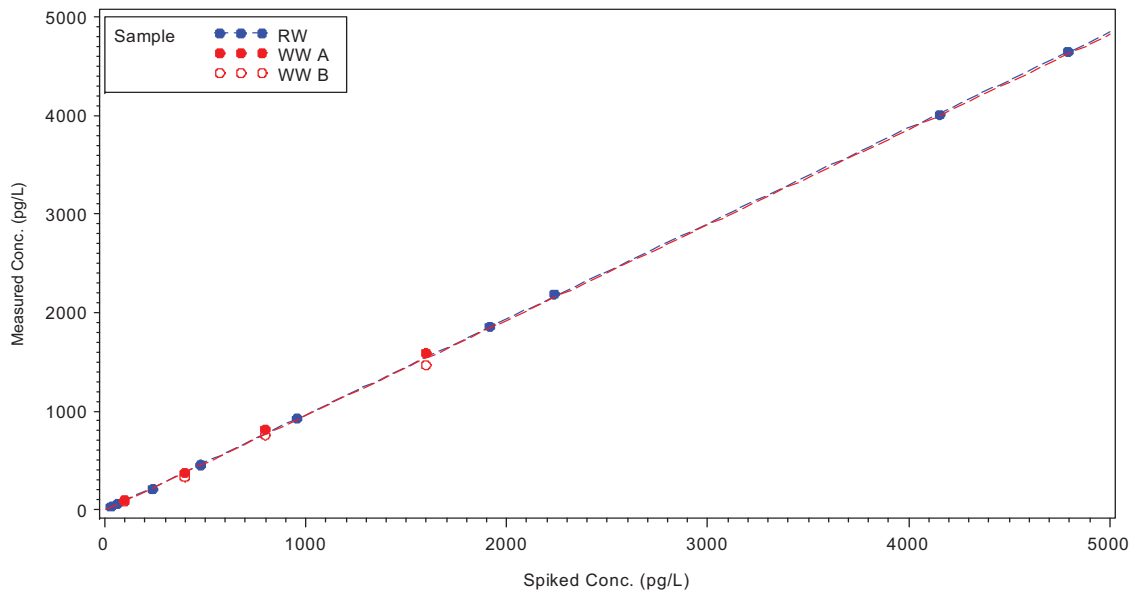
ANCOVA results
RW slope= 0.737 WW slope= 0.914 p-value=<.0001

Reagent Water and Waste Water Results vs. Spiked Concentration for Lab 3
PCB 81



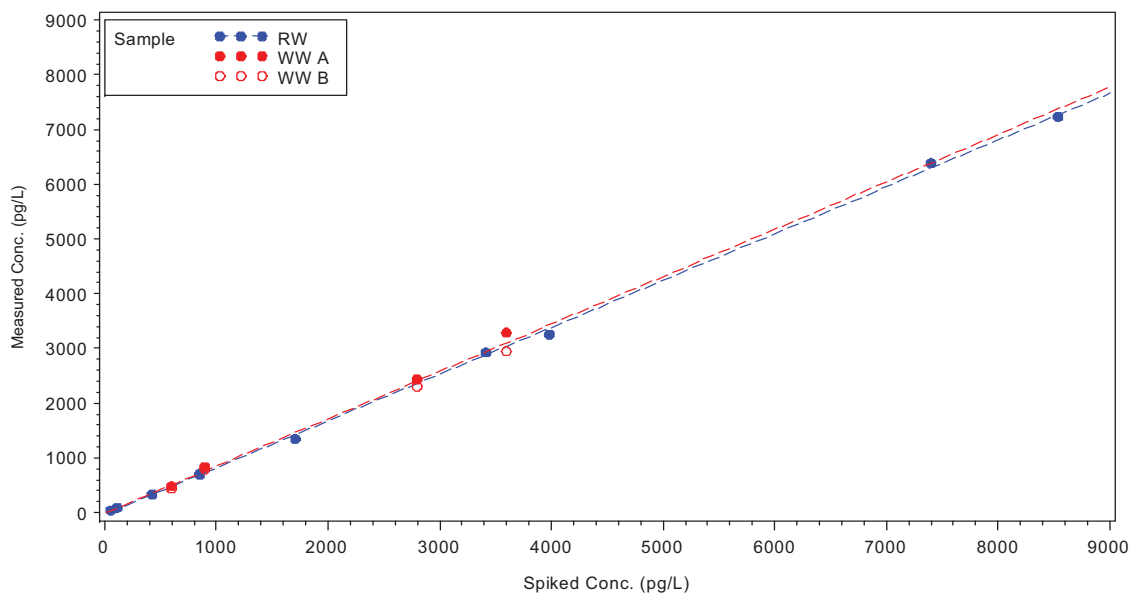
ANCOVA results
RW slope= 0.852 WW slope= 0.899 p-value=0.1018

Reagent Water and Waste Water Results vs. Spiked Concentration for Lab 3
PCB 82



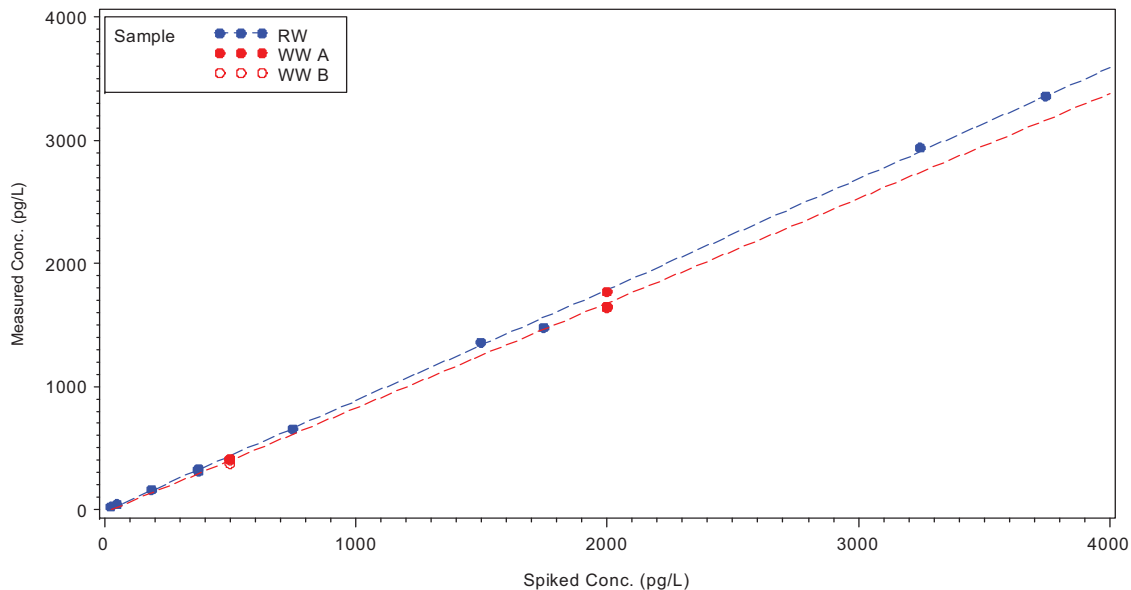
ANCOVA results
RW slope= 0.97 WW slope= 0.967 p-value=0.7975

Reagent Water and Waste Water Results vs. Spiked Concentration for Lab 3
PCB 83/ 99



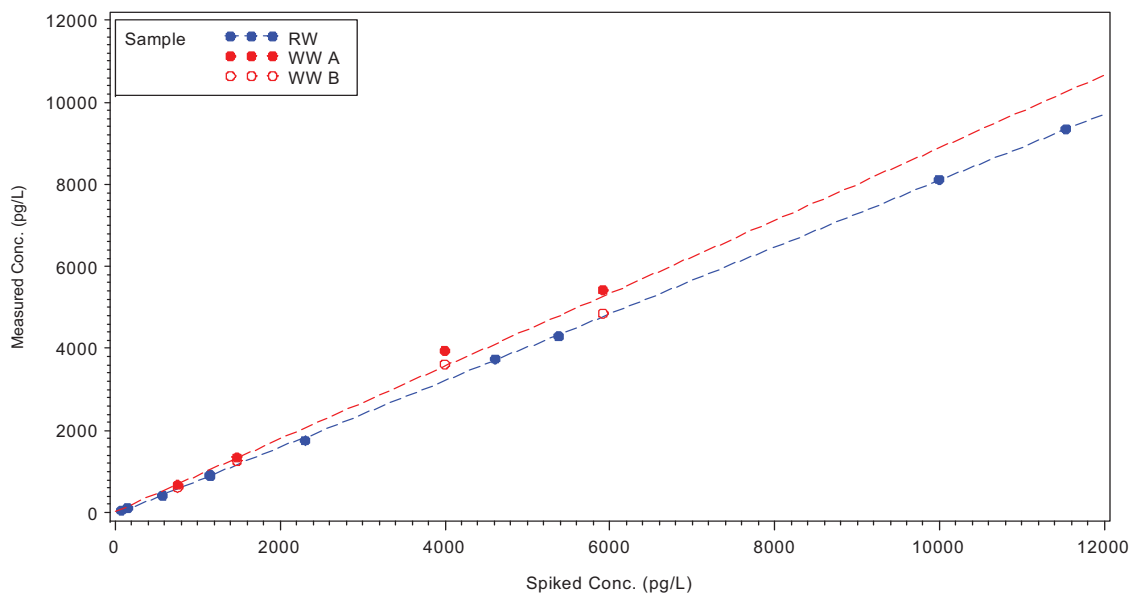
ANCOVA results
RW slope= 0.855 WW slope= 0.865 p-value=0.6632

Reagent Water and Waste Water Results vs. Spiked Concentration for Lab 3
PCB 84



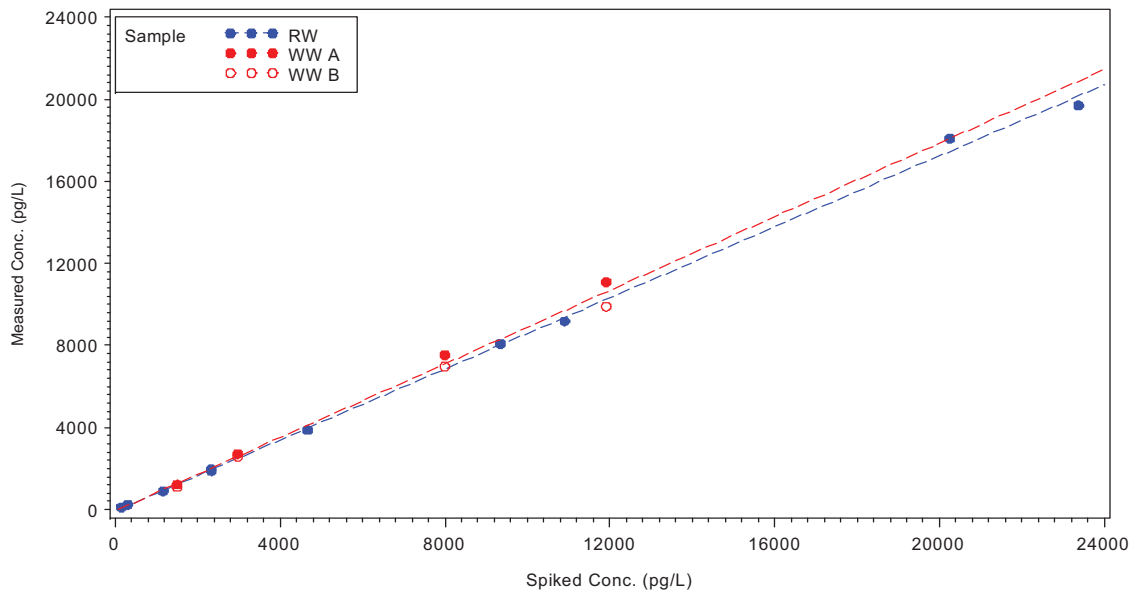
ANCOVA results
RW slope= 0.9 WW slope= 0.851 p-value=0.0267

Reagent Water and Waste Water Results vs. Spiked Concentration for Lab 3
PCB 85/116/117



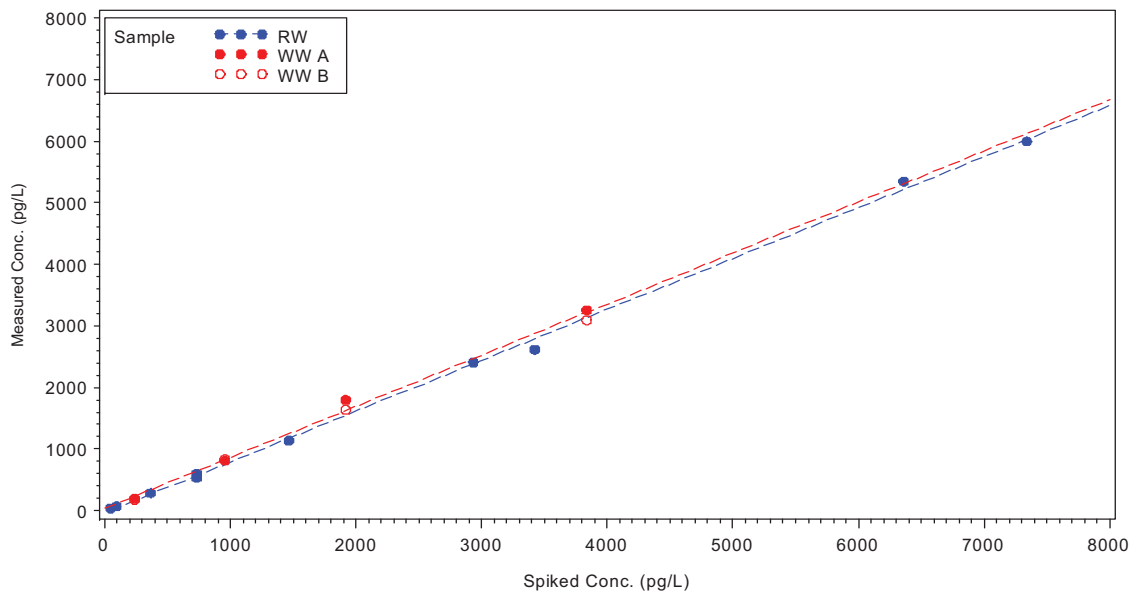
ANCOVA results
RW slope= 0.813 WW slope= 0.887 p-value=0.0121

Reagent Water and Waste Water Results vs. Spiked Concentration for Lab 3
PCB 86/ 87/ 97/108/119/125



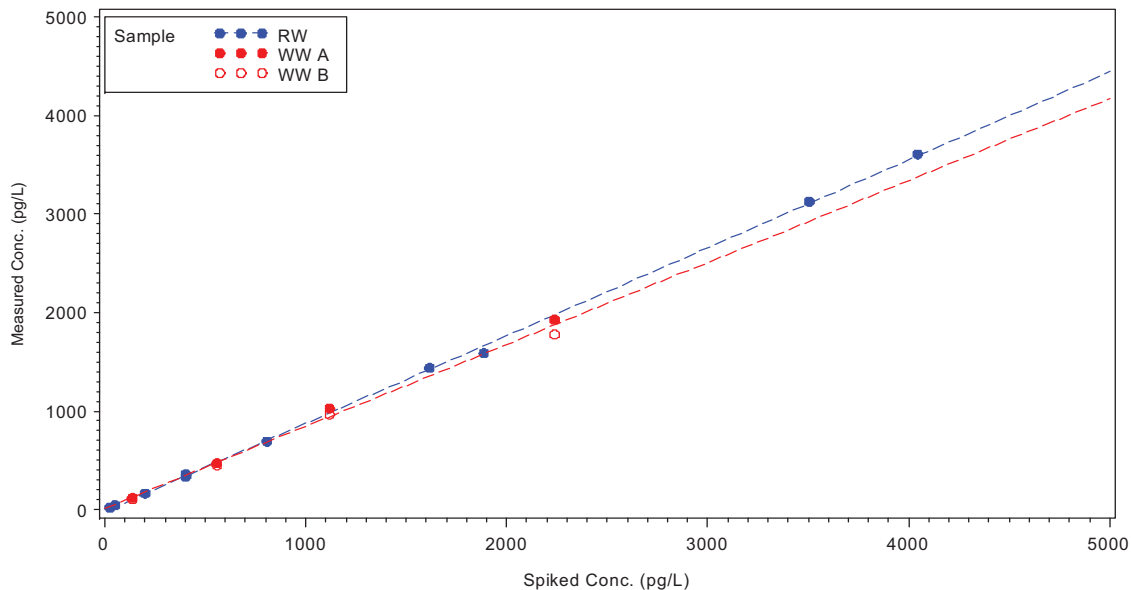
ANCOVA results
RW slope= 0.866 WW slope= 0.896 p-value=0.2951

Reagent Water and Waste Water Results vs. Spiked Concentration for Lab 3
PCB 88/ 91



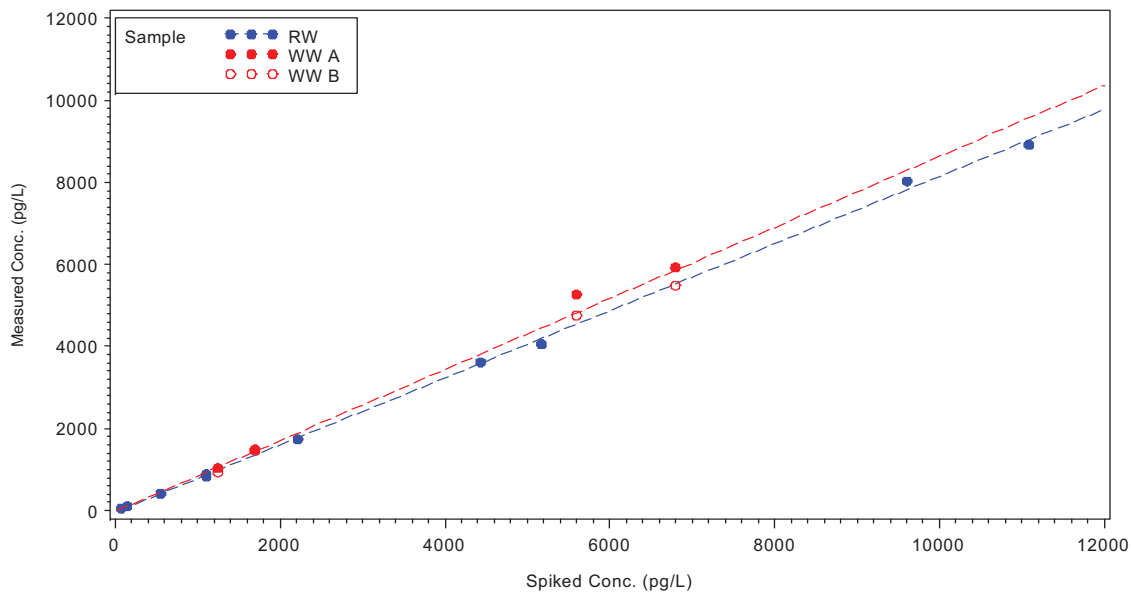
ANCOVA results
RW slope= 0.827 WW slope= 0.83 p-value=0.8934

Reagent Water and Waste Water Results vs. Spiked Concentration for Lab 3
PCB 89



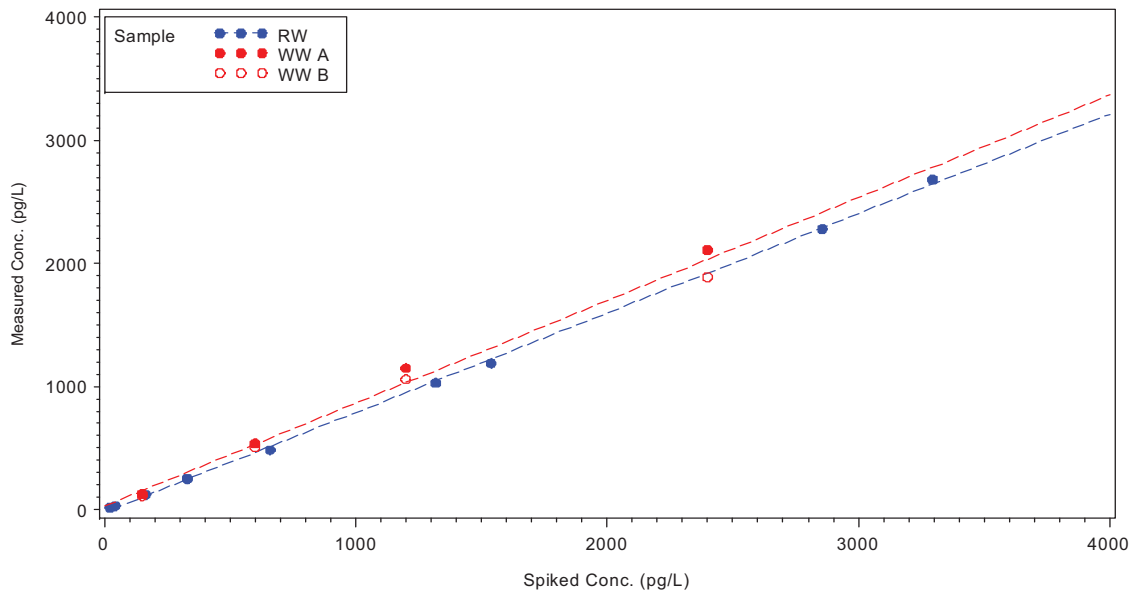
ANCOVA results
RW slope= 0.892 WW slope= 0.832 p-value=0.0113

Reagent Water and Waste Water Results vs. Spiked Concentration for Lab 3
PCB 90/101/113



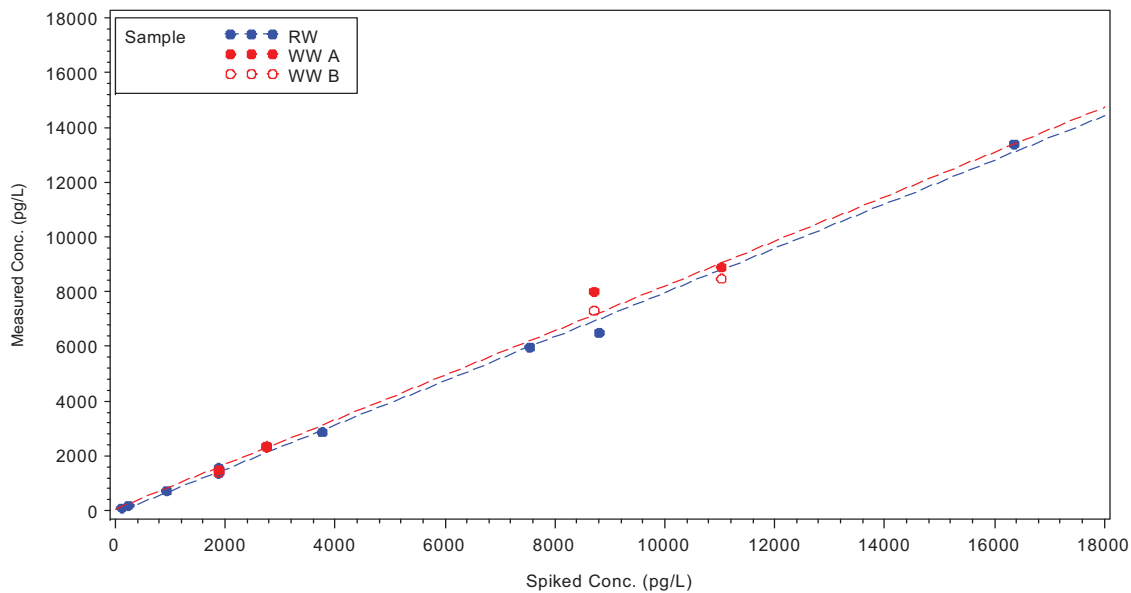
ANCOVA results
RW slope= 0.818 WW slope= 0.865 p-value=0.0903

Reagent Water and Waste Water Results vs. Spiked Concentration for Lab 3
PCB 92



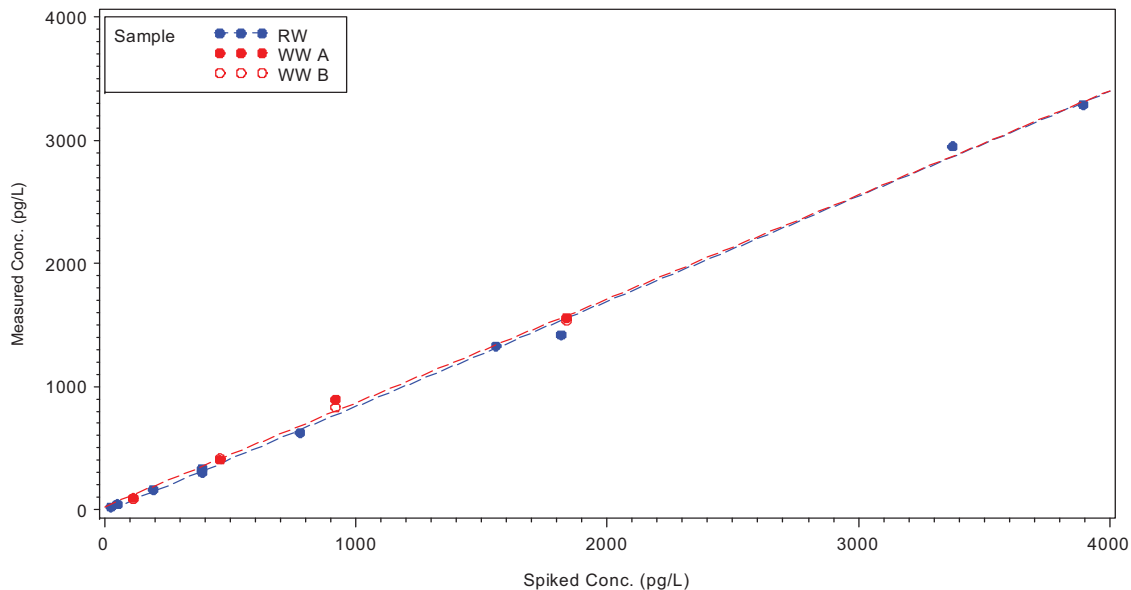
ANCOVA results
RW slope= 0.808 WW slope= 0.835 p-value=0.3086

Reagent Water and Waste Water Results vs. Spiked Concentration for Lab 3
PCB 93/ 95/ 98/100/102



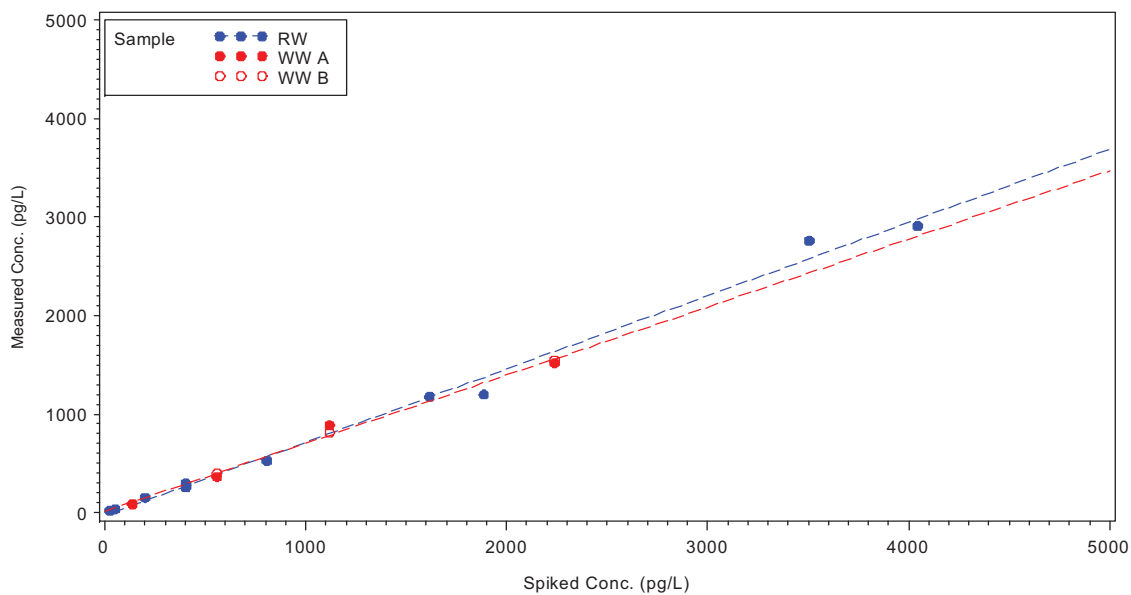
ANCOVA results
RW slope= 0.803 WW slope= 0.816 p-value=0.7105

Reagent Water and Waste Water Results vs. Spiked Concentration for Lab 3
PCB 94



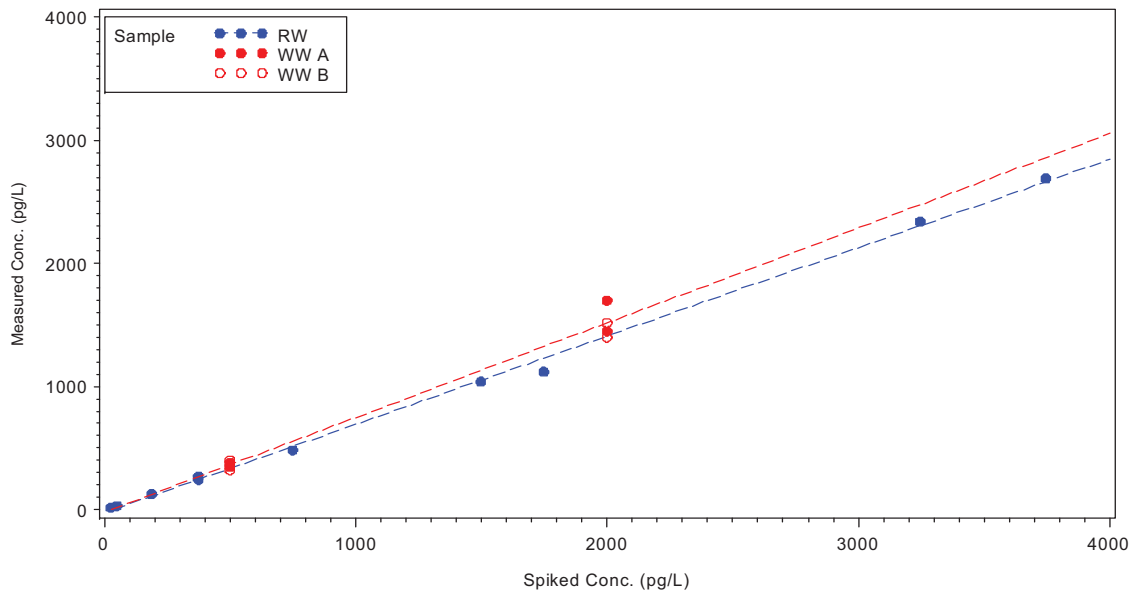
ANCOVA results
RW slope= 0.855 WW slope= 0.844 p-value=0.7310

Reagent Water and Waste Water Results vs. Spiked Concentration for Lab 3
PCB 96



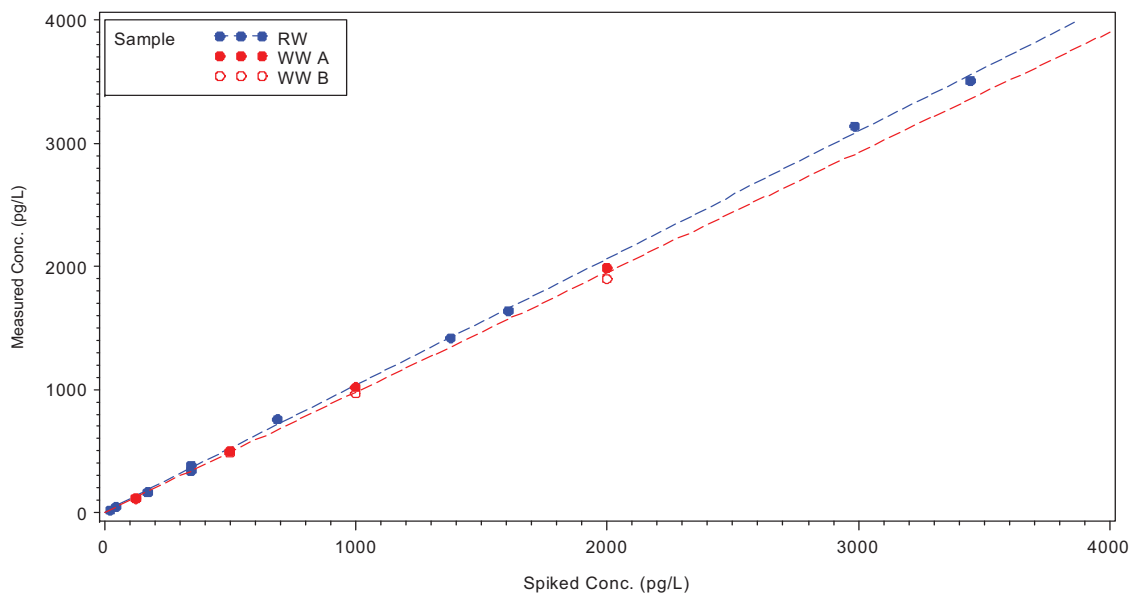
ANCOVA results
RW slope= 0.744 WW slope= 0.691 p-value=0.2241

Reagent Water and Waste Water Results vs. Spiked Concentration for Lab 3
PCB 103



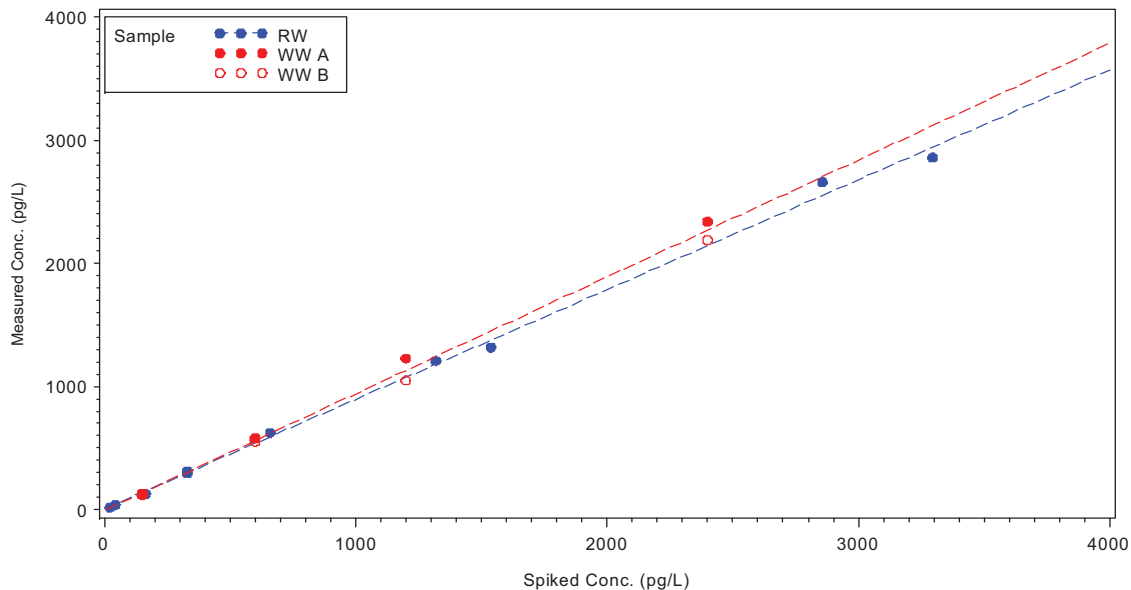
ANCOVA results
RW slope= 0.717 WW slope= 0.769 p-value=0.1934

Reagent Water and Waste Water Results vs. Spiked Concentration for Lab 3
PCB 104



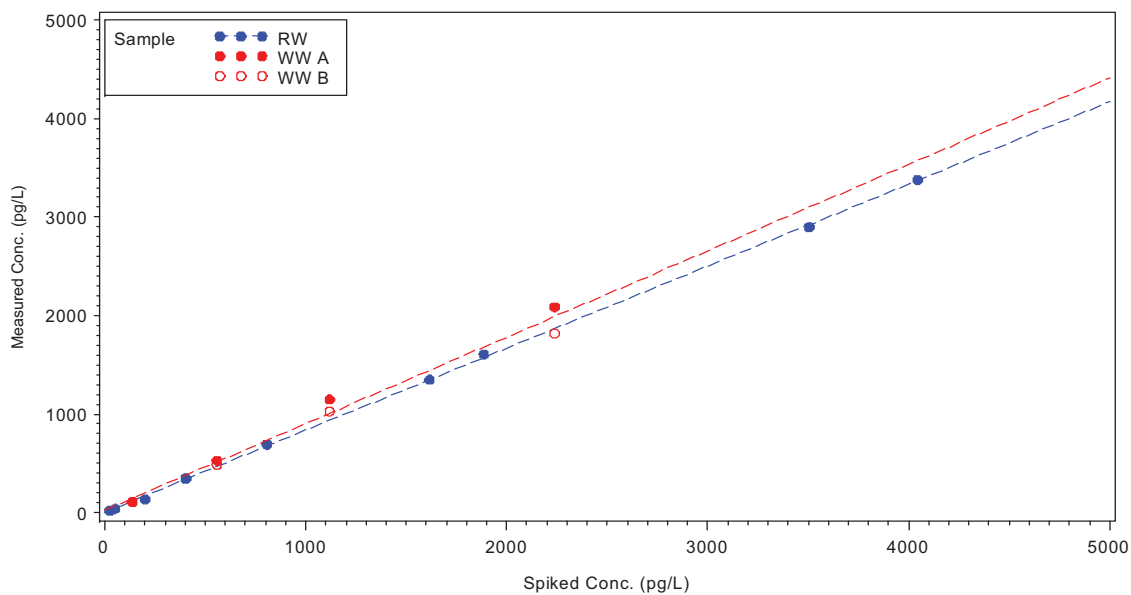
ANCOVA results
RW slope= 1.03 WW slope= 0.974 p-value=0.0066

Reagent Water and Waste Water Results vs. Spiked Concentration for Lab 3
PCB 105



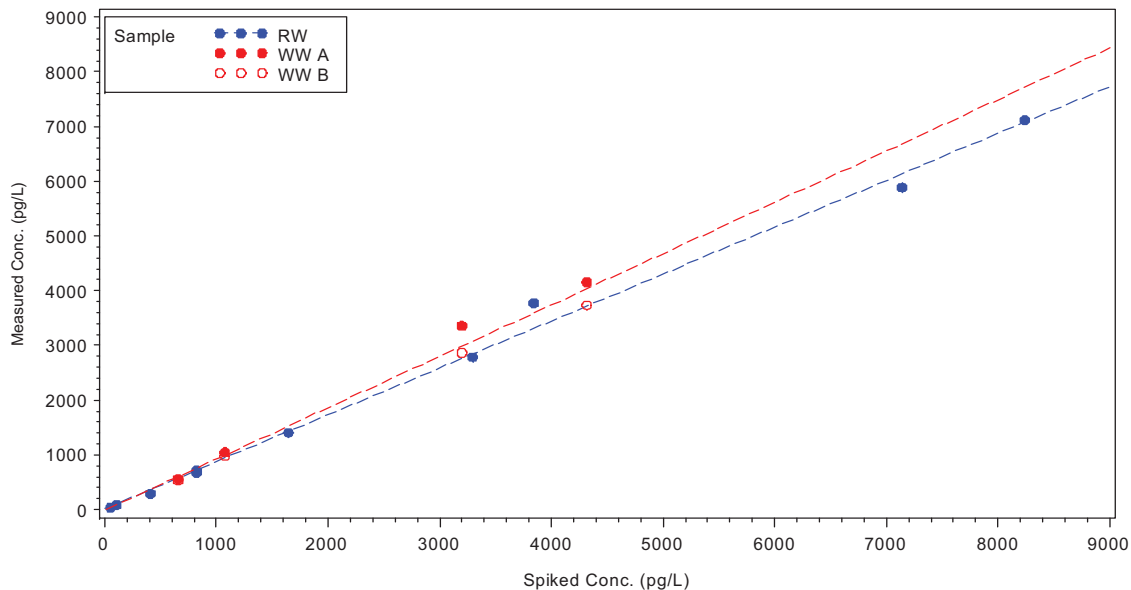
ANCOVA results
RW slope= 0.891 WW slope= 0.949 p-value=0.0501

Reagent Water and Waste Water Results vs. Spiked Concentration for Lab 3
PCB 106



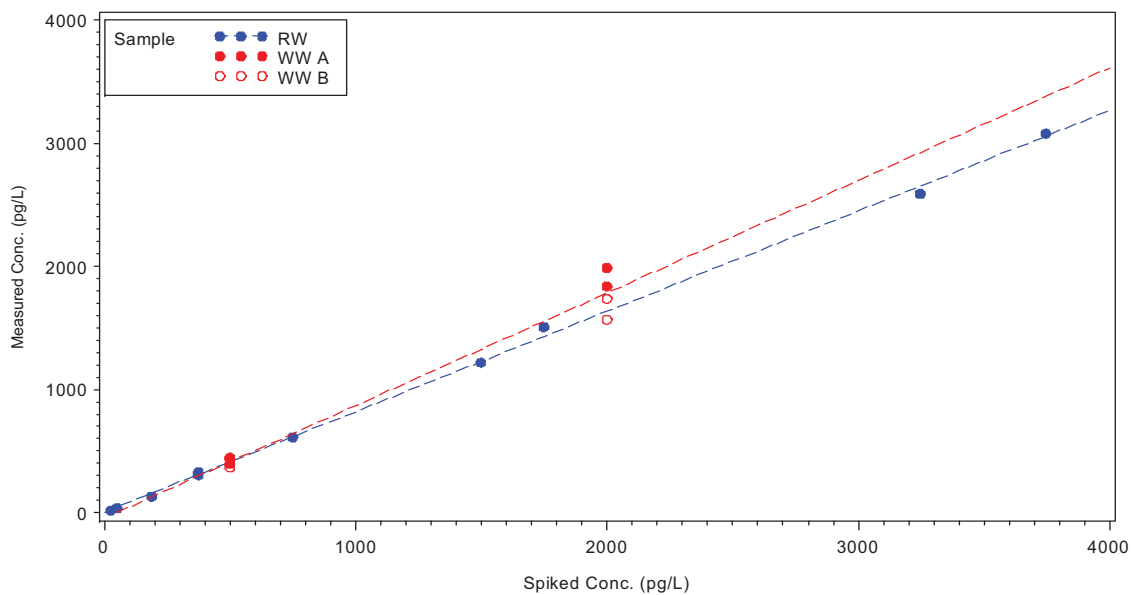
ANCOVA results
RW slope= 0.834 WW slope= 0.878 p-value=0.1541

Reagent Water and Waste Water Results vs. Spiked Concentration for Lab 3
PCB 107/124



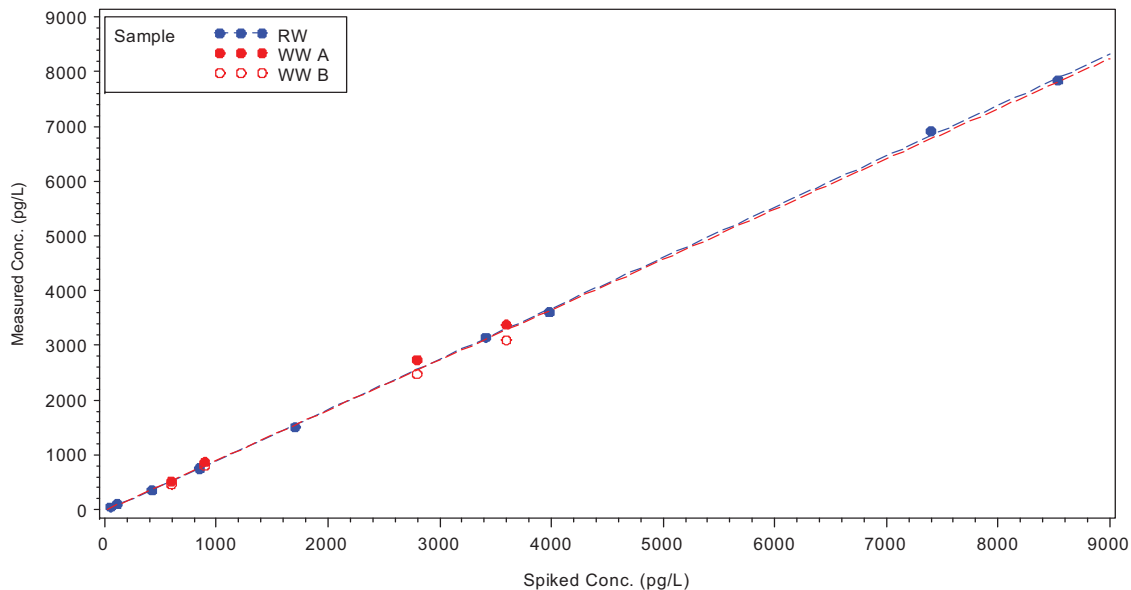
ANCOVA results
RW slope= 0.857 WW slope= 0.938 p-value=0.1108

Reagent Water and Waste Water Results vs. Spiked Concentration for Lab 3
PCB 109



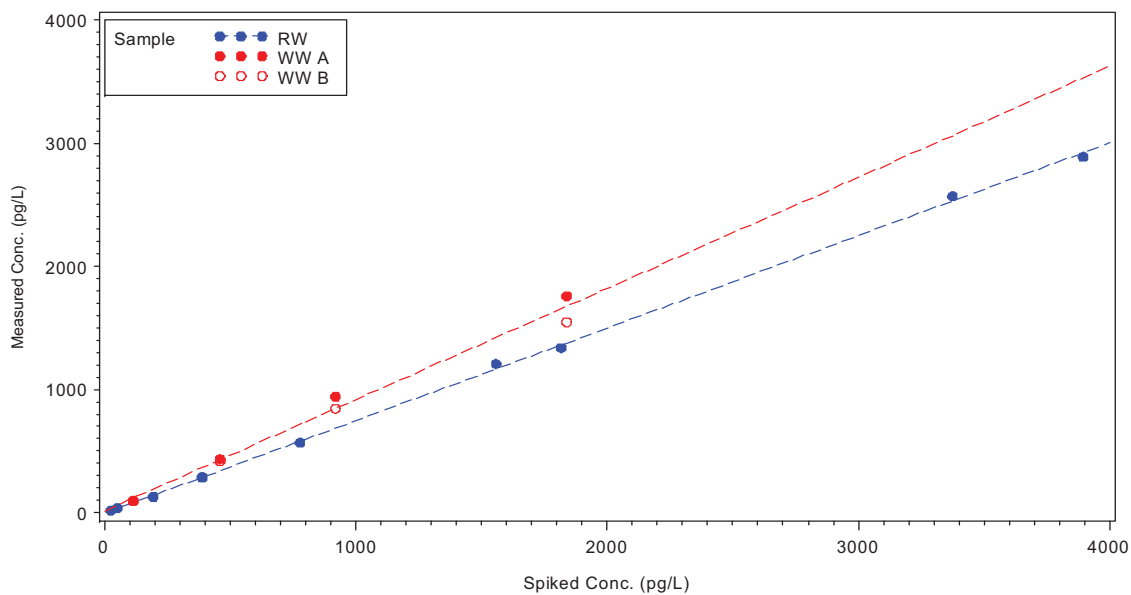
ANCOVA results
RW slope= 0.815 WW slope= 0.914 p-value=0.0261

Reagent Water and Waste Water Results vs. Spiked Concentration for Lab 3
PCB 110/115



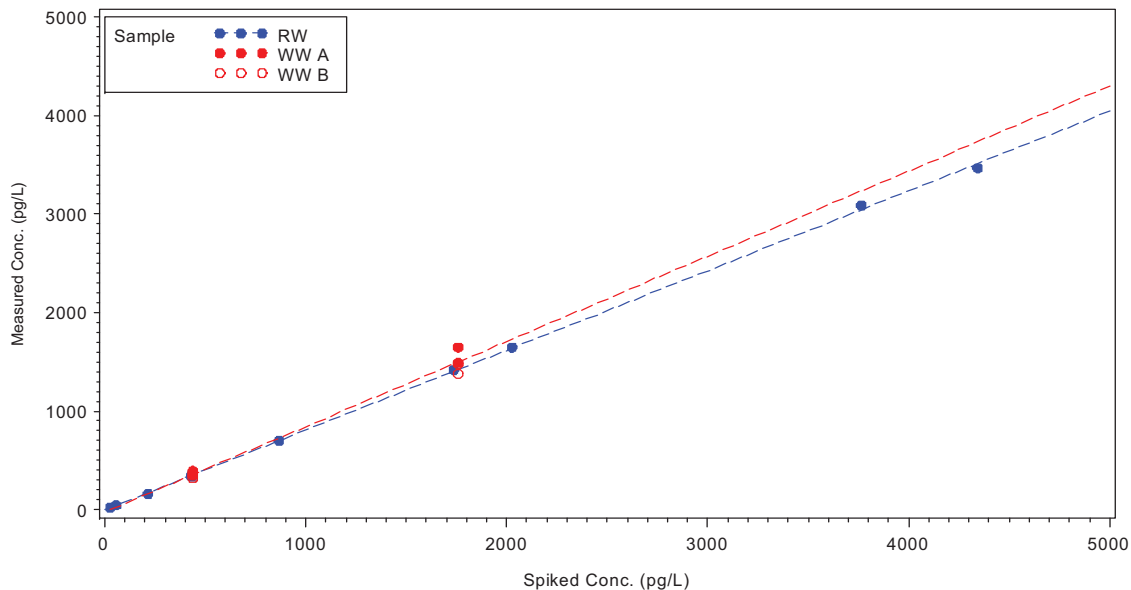
ANCOVA results
RW slope= 0.928 WW slope= 0.918 p-value=0.6210

Reagent Water and Waste Water Results vs. Spiked Concentration for Lab 3
PCB 111



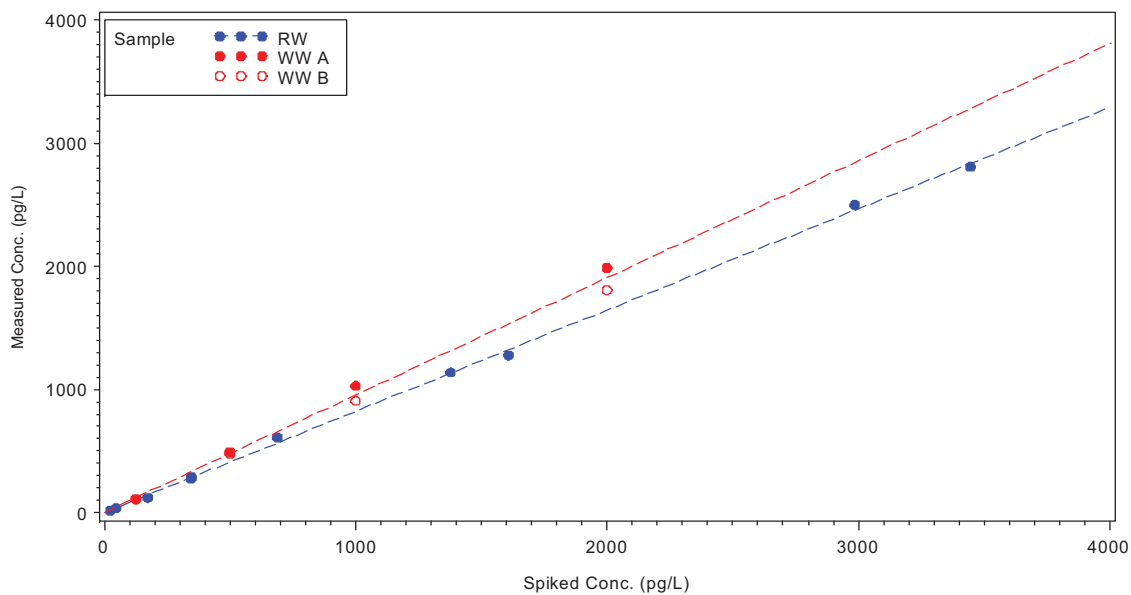
ANCOVA results
RW slope= 0.752 WW slope= 0.903 p-value=<.0001

Reagent Water and Waste Water Results vs. Spiked Concentration for Lab 3
PCB 112



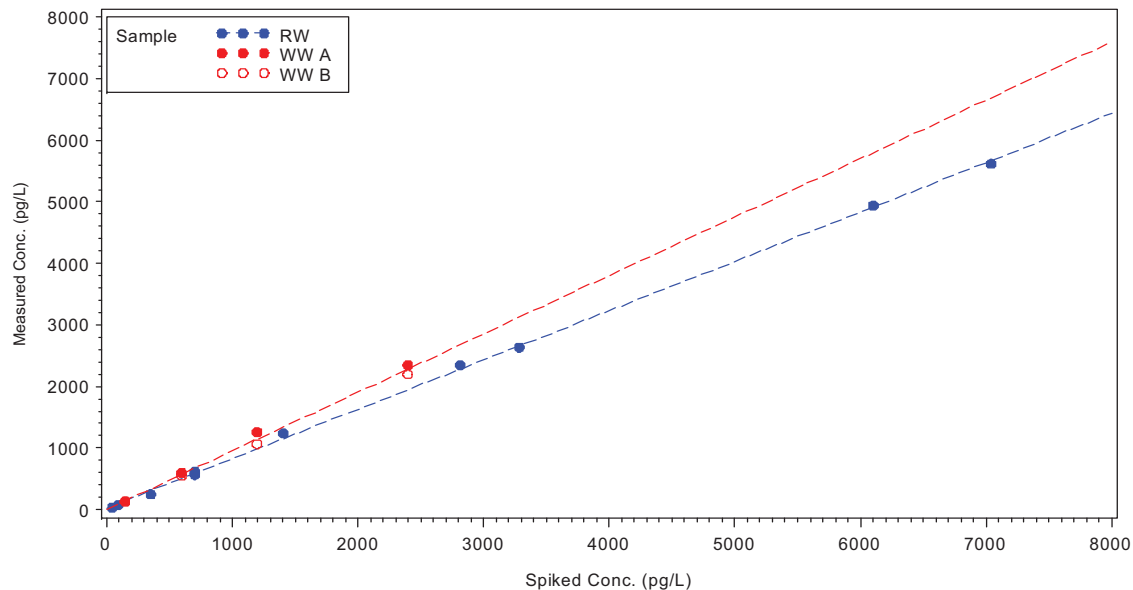
ANCOVA results
RW slope= 0.81 WW slope= 0.865 p-value=0.0689

Reagent Water and Waste Water Results vs. Spiked Concentration for Lab 3
PCB 114



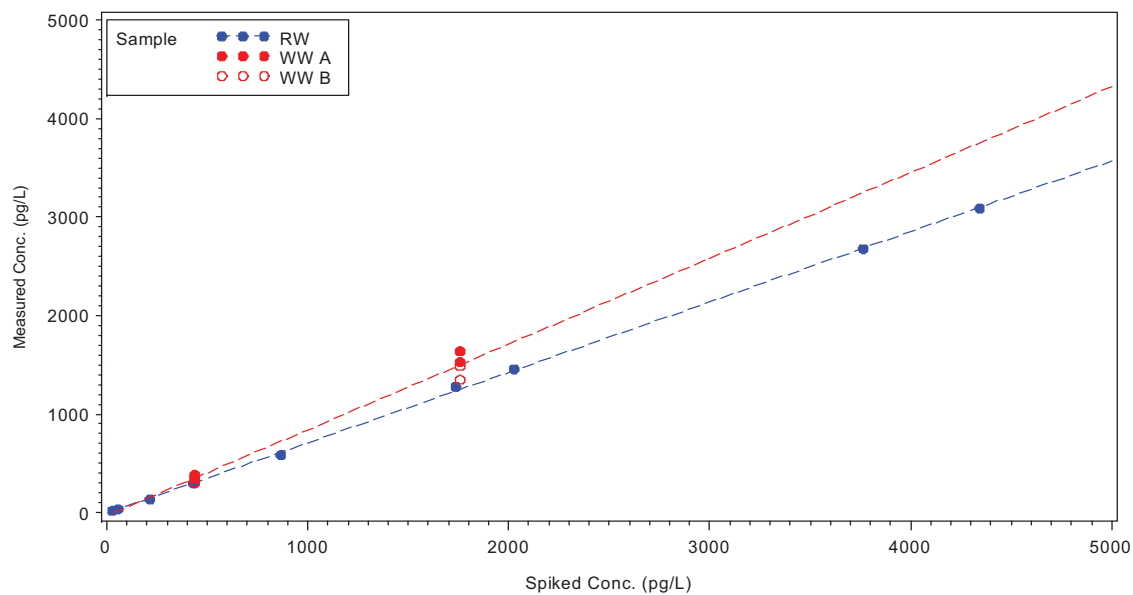
ANCOVA results
RW slope= 0.822 WW slope= 0.951 p-value=<.0001

Reagent Water and Waste Water Results vs. Spiked Concentration for Lab 3
PCB 118



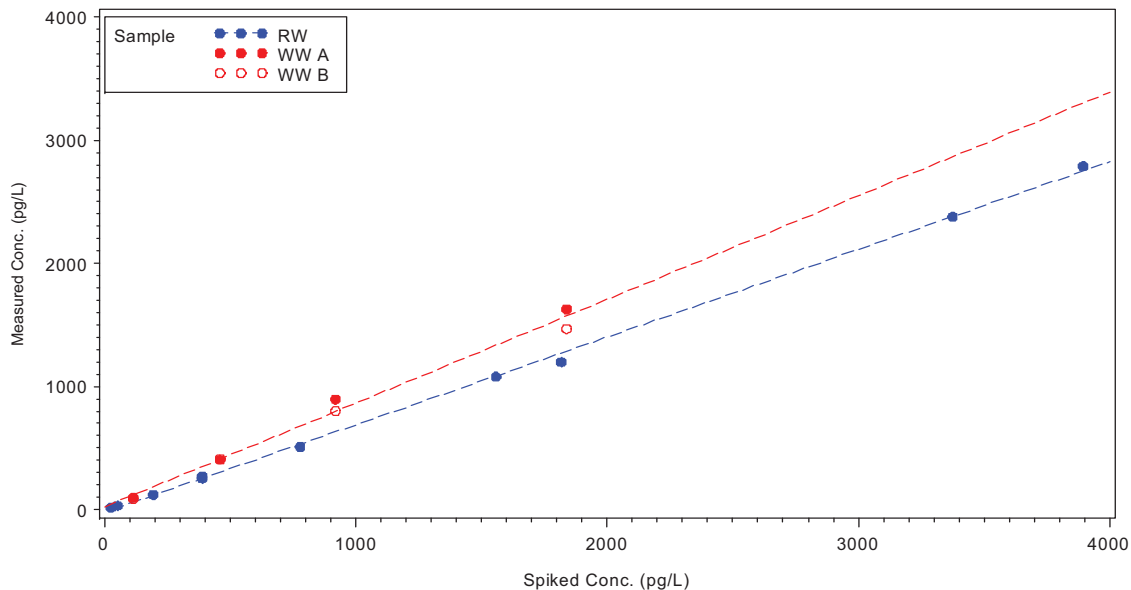
ANCOVA results
RW slope= 0.801 WW slope= 0.95 p-value=<.0001

Reagent Water and Waste Water Results vs. Spiked Concentration for Lab 3
PCB 120



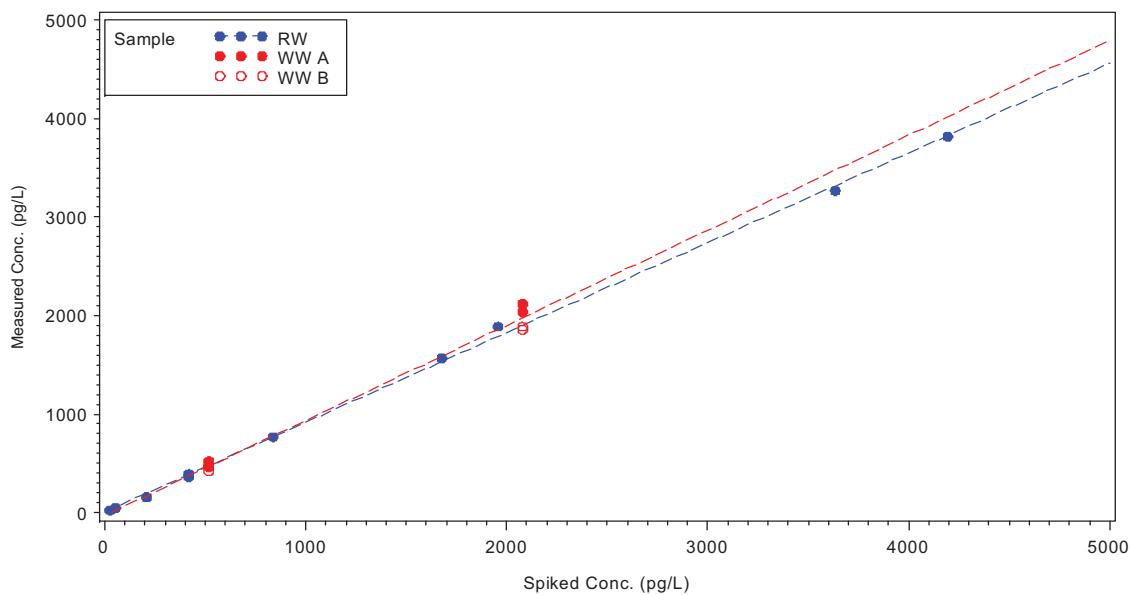
ANCOVA results
RW slope= 0.715 WW slope= 0.871 p-value=<.0001

Reagent Water and Waste Water Results vs. Spiked Concentration for Lab 3
PCB 121



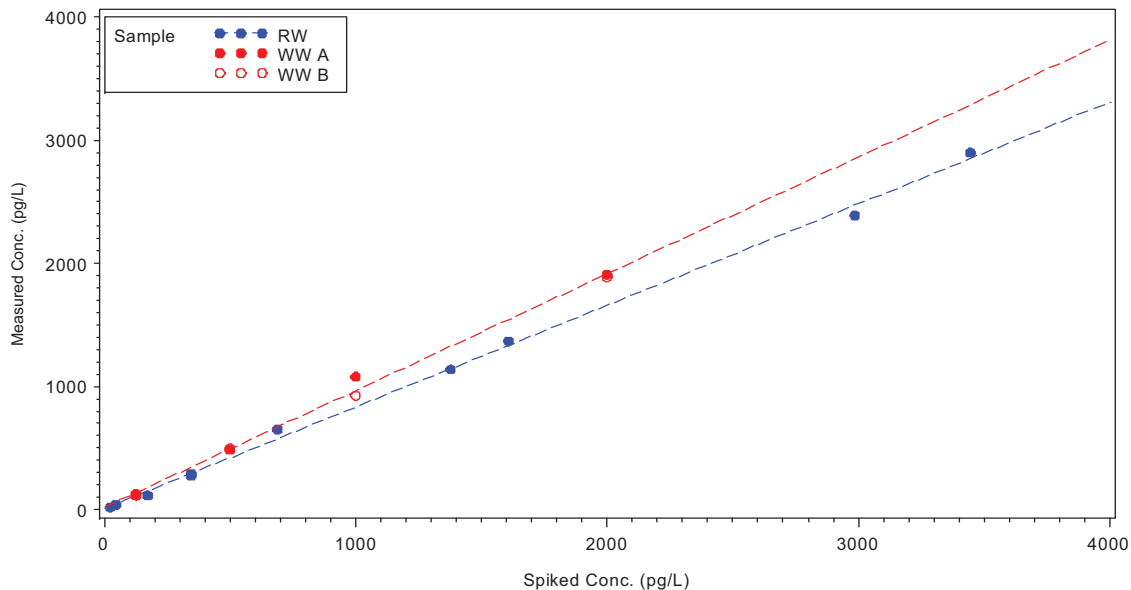
ANCOVA results
RW slope= 0.712 WW slope= 0.843 p-value=0.0003

Reagent Water and Waste Water Results vs. Spiked Concentration for Lab 3
PCB 122



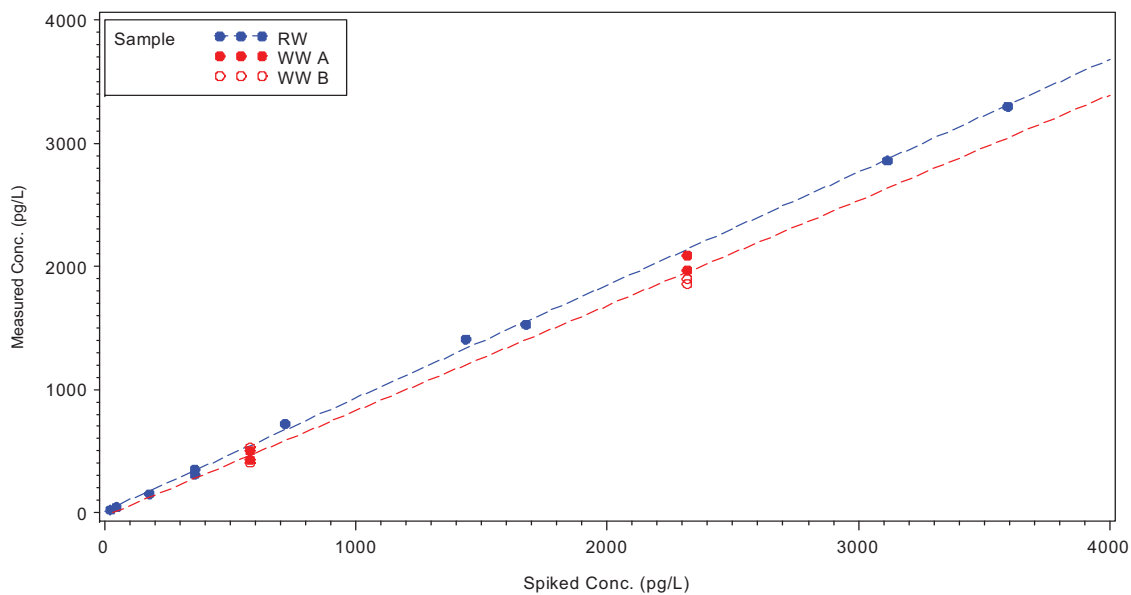
ANCOVA results
RW slope= 0.912 WW slope= 0.965 p-value=0.0545

Reagent Water and Waste Water Results vs. Spiked Concentration for Lab 3
PCB 123



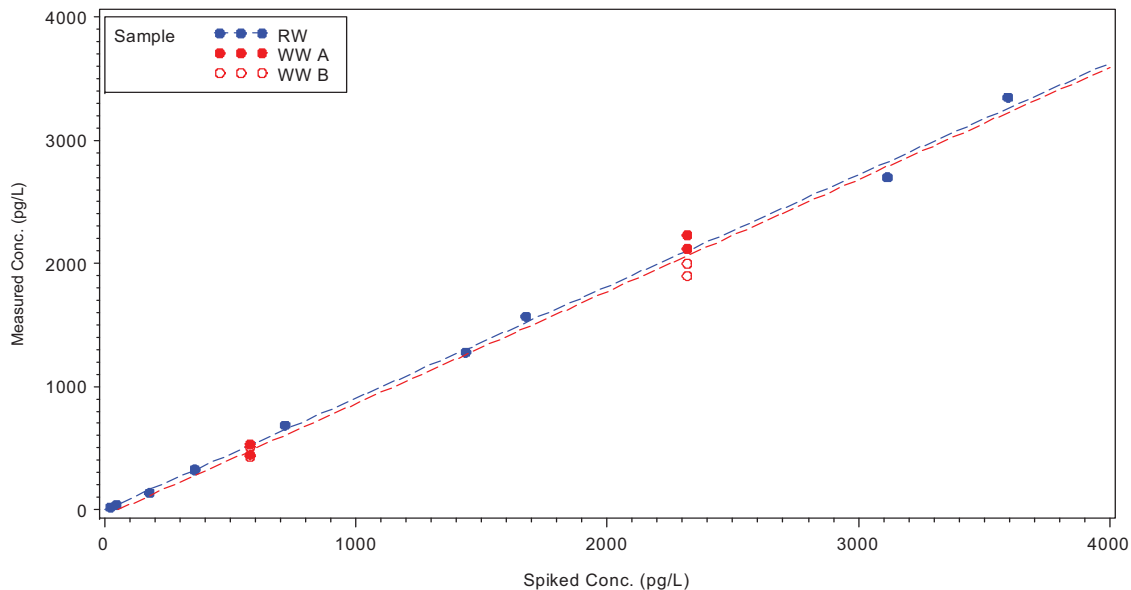
ANCOVA results
RW slope= 0.825 WW slope= 0.948 p-value=0.0006

Reagent Water and Waste Water Results vs. Spiked Concentration for Lab 3
PCB 126



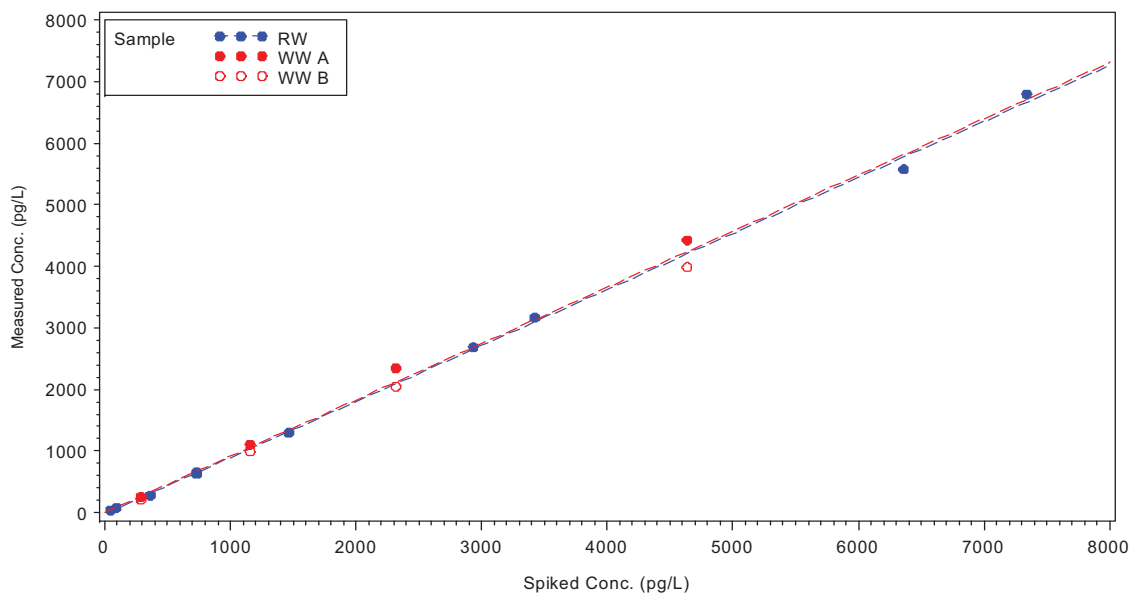
ANCOVA results
RW slope= 0.917 WW slope= 0.855 p-value=0.0374

Reagent Water and Waste Water Results vs. Spiked Concentration for Lab 3
PCB 127



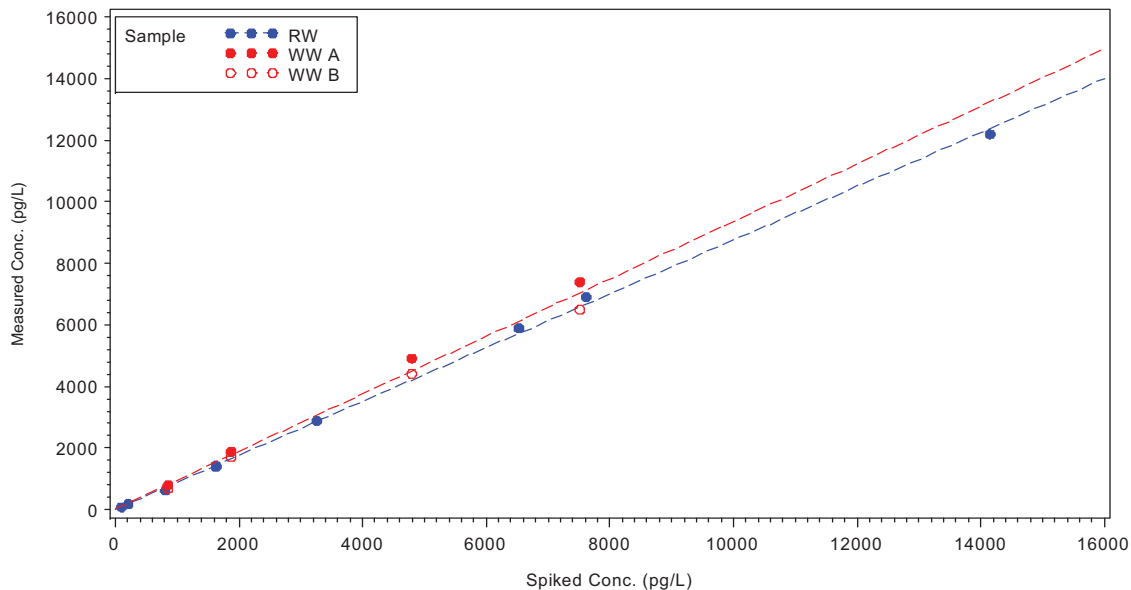
ANCOVA results
RW slope= 0.907 WW slope= 0.91 p-value=0.9325

Reagent Water and Waste Water Results vs. Spiked Concentration for Lab 3
PCB 128/166



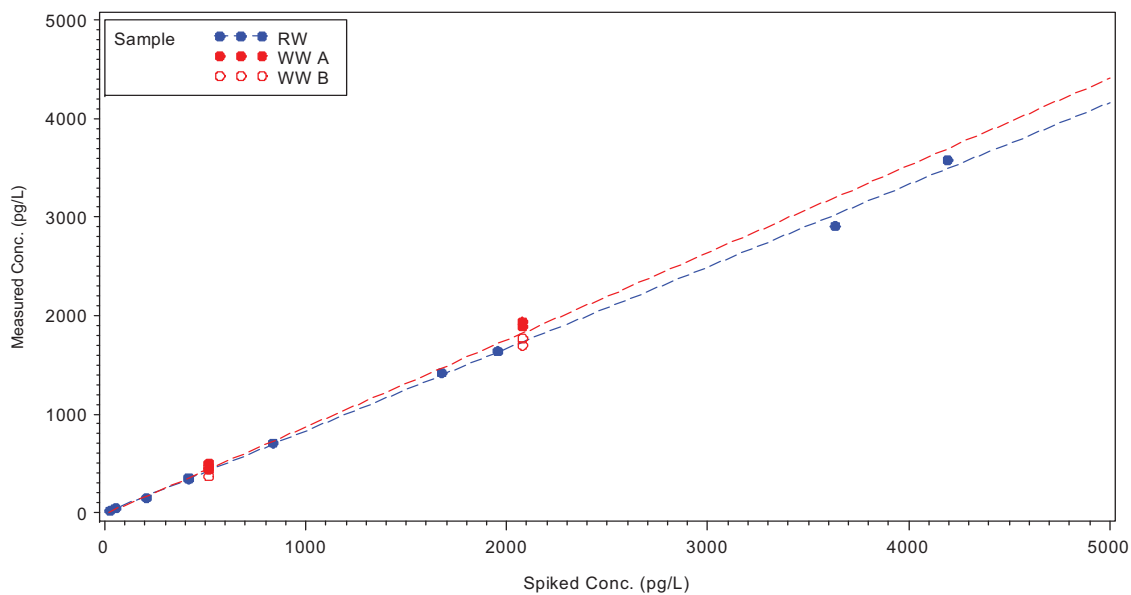
ANCOVA results
RW slope= 0.91 WW slope= 0.914 p-value=0.8926

Reagent Water and Waste Water Results vs. Spiked Concentration for Lab 3
PCB 129/138/160/163



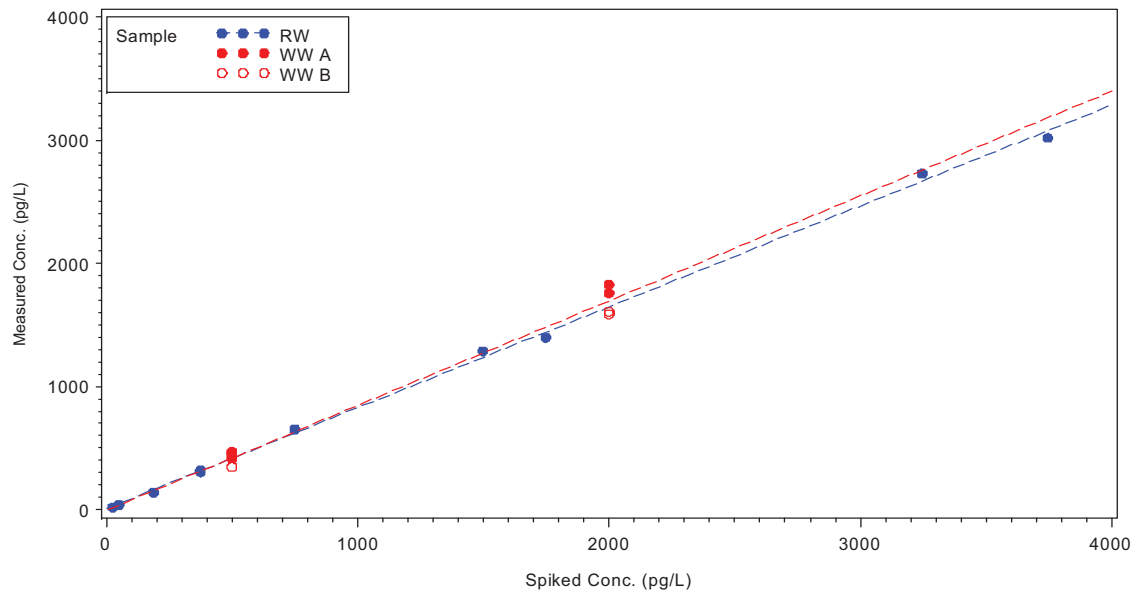
ANCOVA results
RW slope= 0.881 WW slope= 0.934 p-value=0.0734

Reagent Water and Waste Water Results vs. Spiked Concentration for Lab 3
PCB 130



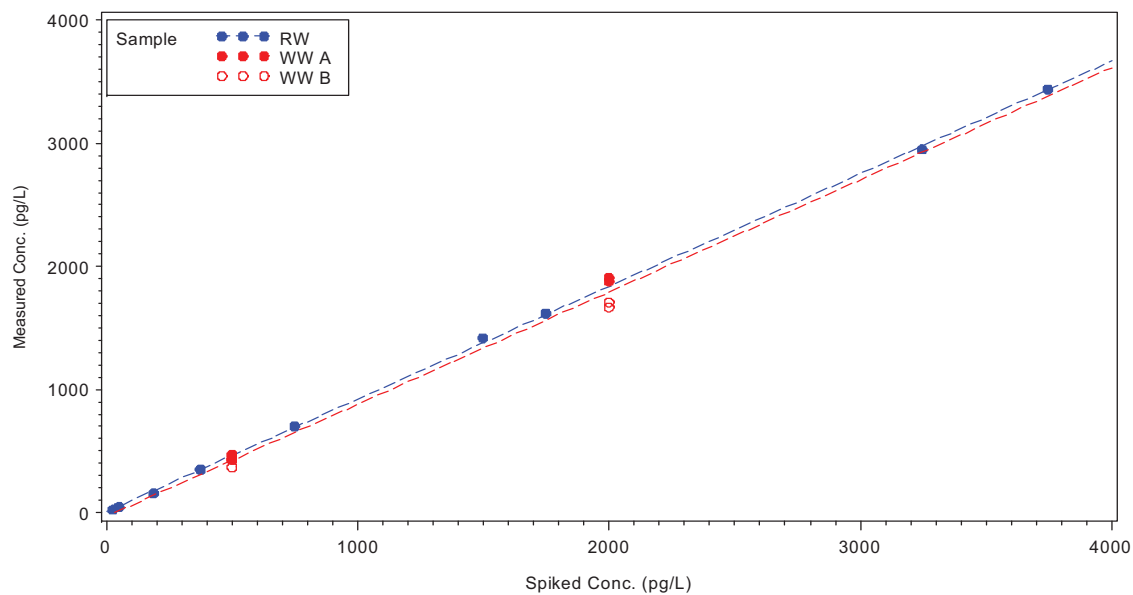
ANCOVA results
RW slope= 0.833 WW slope= 0.885 p-value=0.0903

Reagent Water and Waste Water Results vs. Spiked Concentration for Lab 3
PCB 131



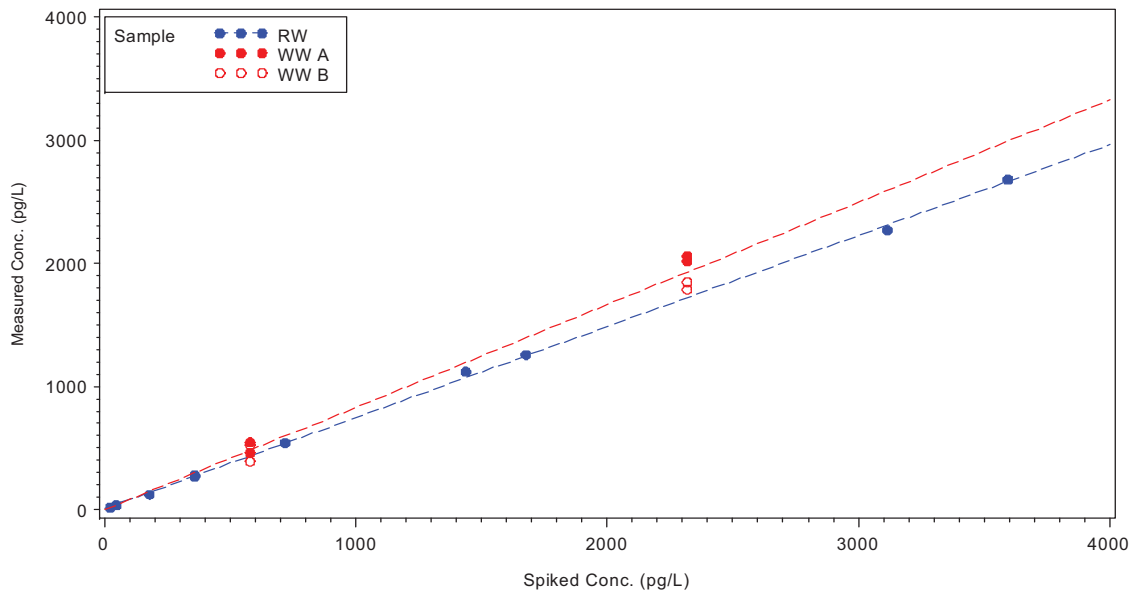
ANCOVA results
RW slope= 0.819 WW slope= 0.851 p-value=0.2635

Reagent Water and Waste Water Results vs. Spiked Concentration for Lab 3
PCB 132



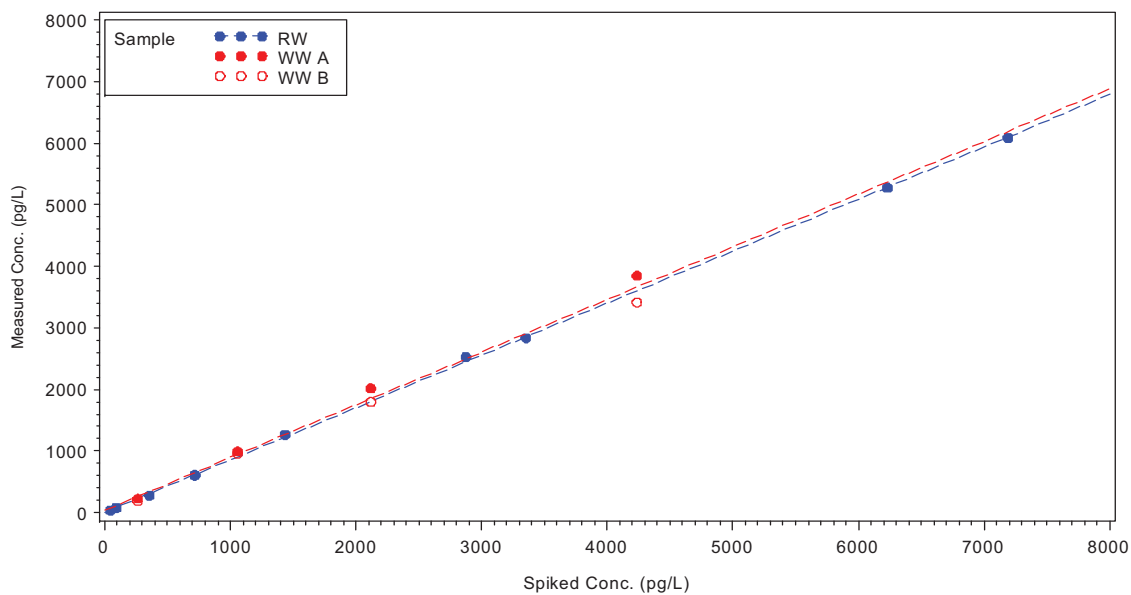
ANCOVA results
RW slope= 0.915 WW slope= 0.911 p-value=0.8390

Reagent Water and Waste Water Results vs. Spiked Concentration for Lab 3
PCB 133



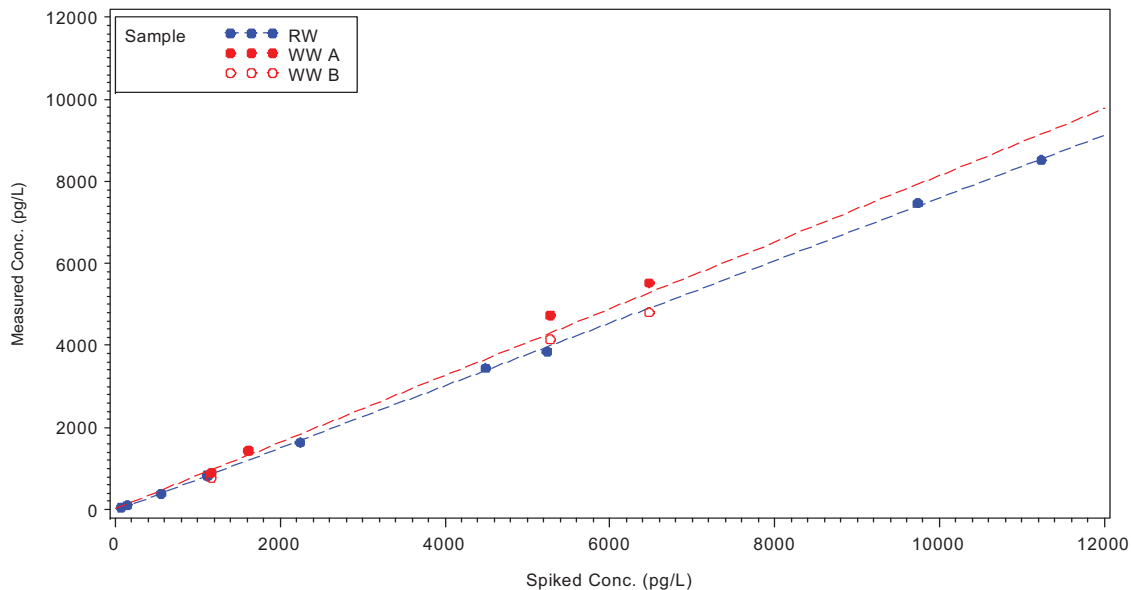
ANCOVA results
RW slope= 0.739 WW slope= 0.832 p-value=0.0027

Reagent Water and Waste Water Results vs. Spiked Concentration for Lab 3
PCB 134/143



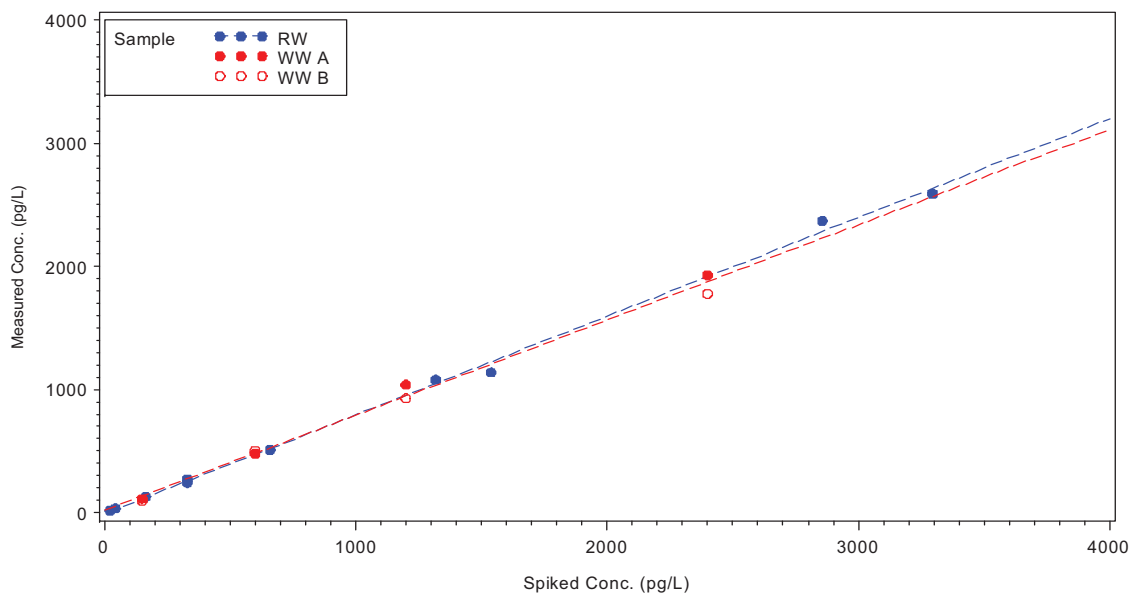
ANCOVA results
RW slope= 0.847 WW slope= 0.856 p-value=0.7032

Reagent Water and Waste Water Results vs. Spiked Concentration for Lab 3
PCB 135/151/154



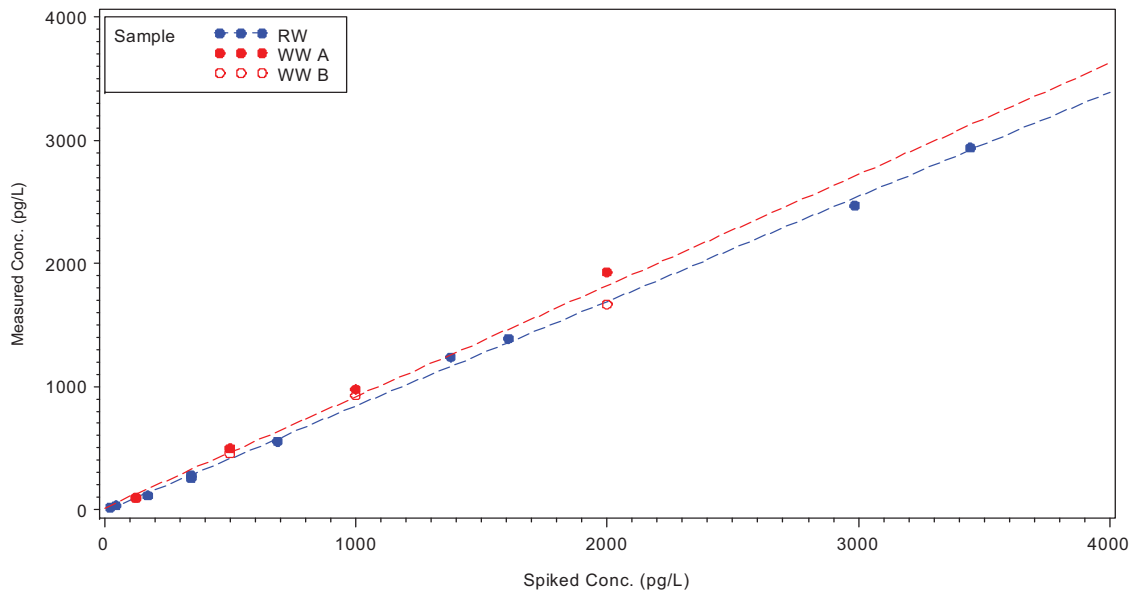
ANCOVA results
RW slope= 0.762 WW slope= 0.812 p-value=0.0977

Reagent Water and Waste Water Results vs. Spiked Concentration for Lab 3
PCB 136



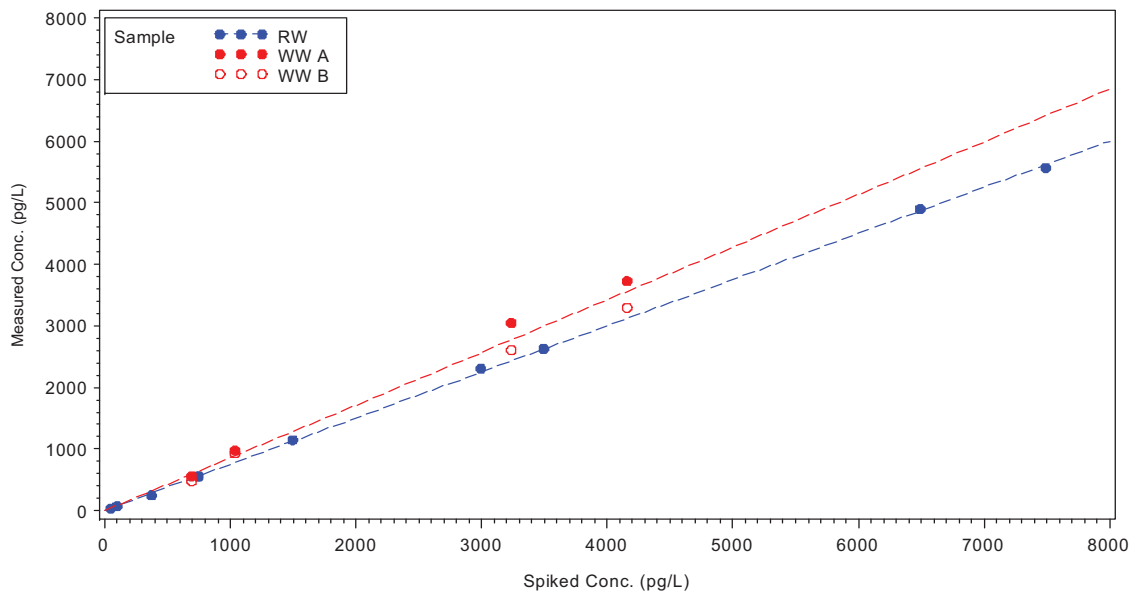
ANCOVA results
RW slope= 0.802 WW slope= 0.773 p-value=0.2906

Reagent Water and Waste Water Results vs. Spiked Concentration for Lab 3
PCB 137



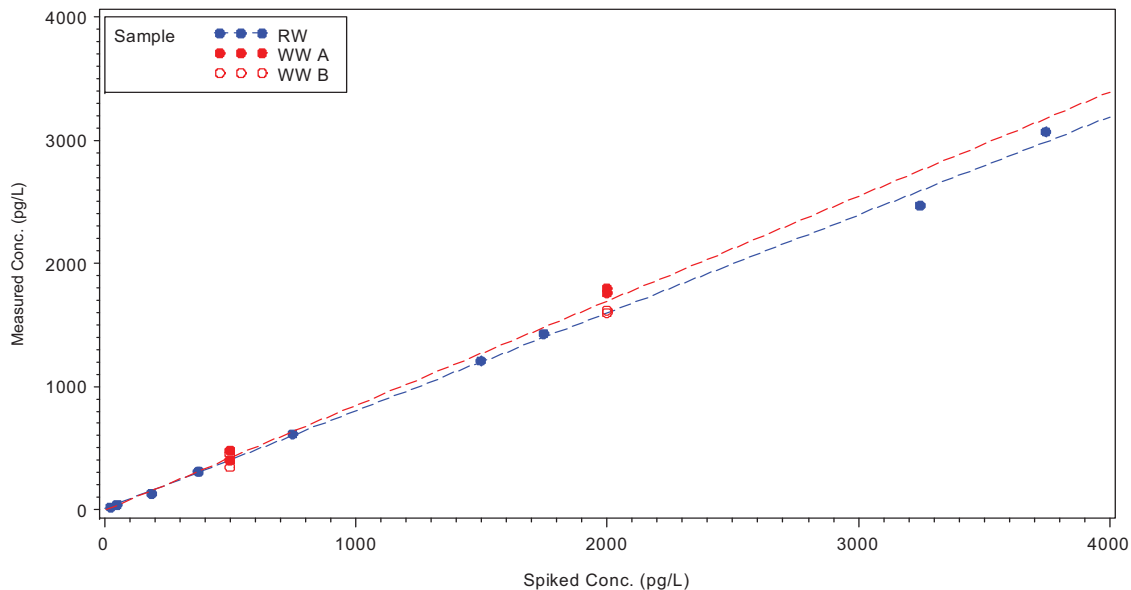
ANCOVA results
RW slope= 0.851 WW slope= 0.903 p-value=0.1176

Reagent Water and Waste Water Results vs. Spiked Concentration for Lab 3
PCB 139/140



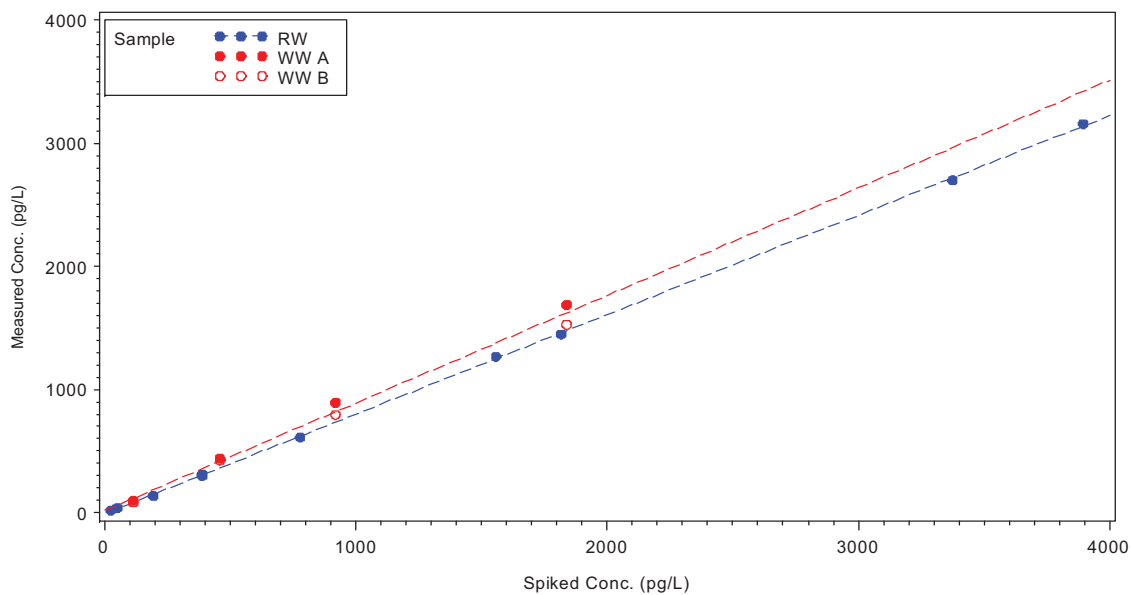
ANCOVA results
RW slope= 0.749 WW slope= 0.856 p-value=0.0009

Reagent Water and Waste Water Results vs. Spiked Concentration for Lab 3
PCB 141



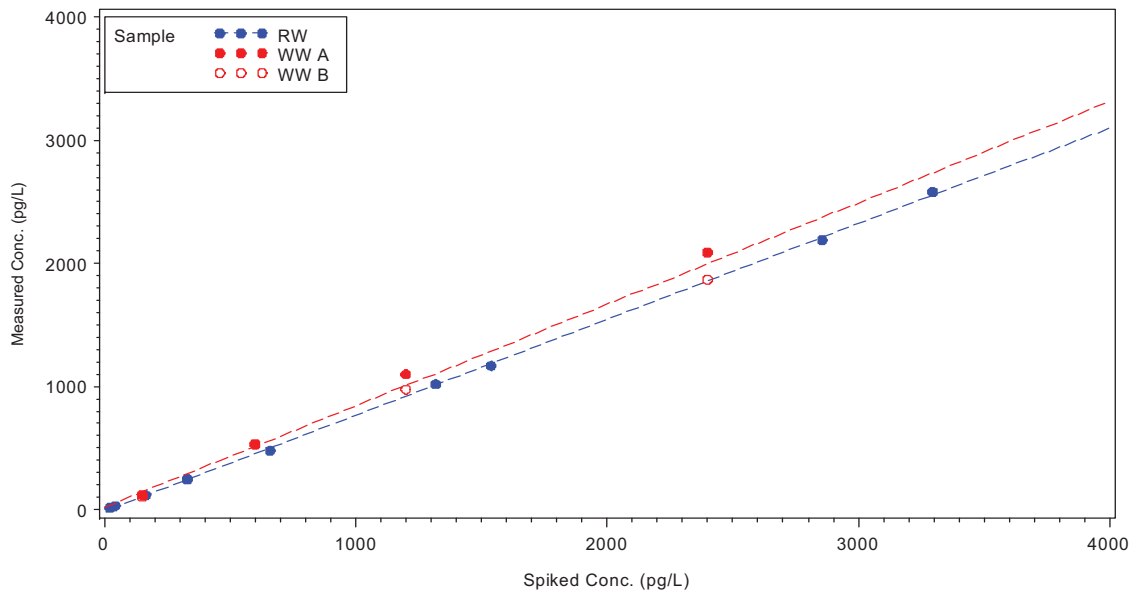
ANCOVA results
RW slope= 0.796 WW slope= 0.849 p-value=0.0987

Reagent Water and Waste Water Results vs. Spiked Concentration for Lab 3
PCB 142



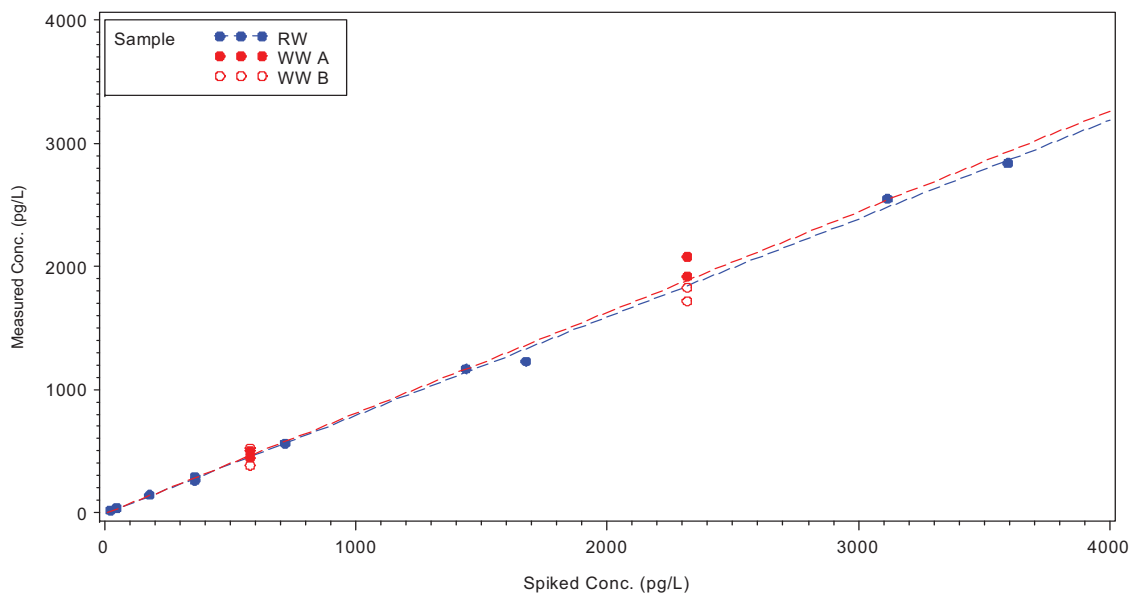
ANCOVA results
RW slope= 0.808 WW slope= 0.874 p-value=0.0036

Reagent Water and Waste Water Results vs. Spiked Concentration for Lab 3
PCB 144



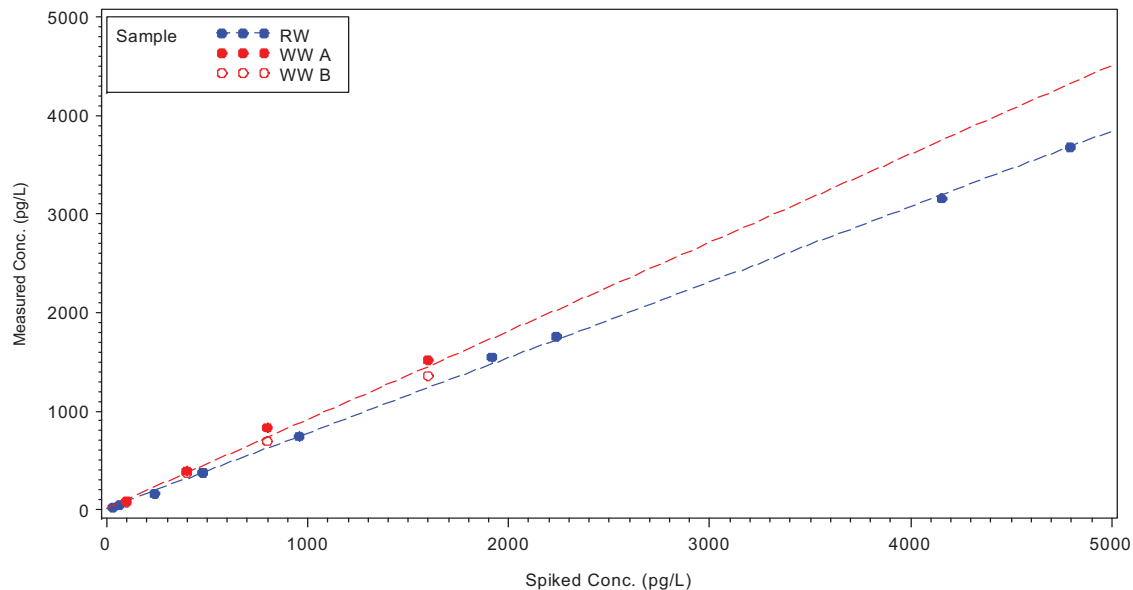
ANCOVA results
RW slope= 0.778 WW slope= 0.824 p-value=0.0489

Reagent Water and Waste Water Results vs. Spiked Concentration for Lab 3
PCB 145



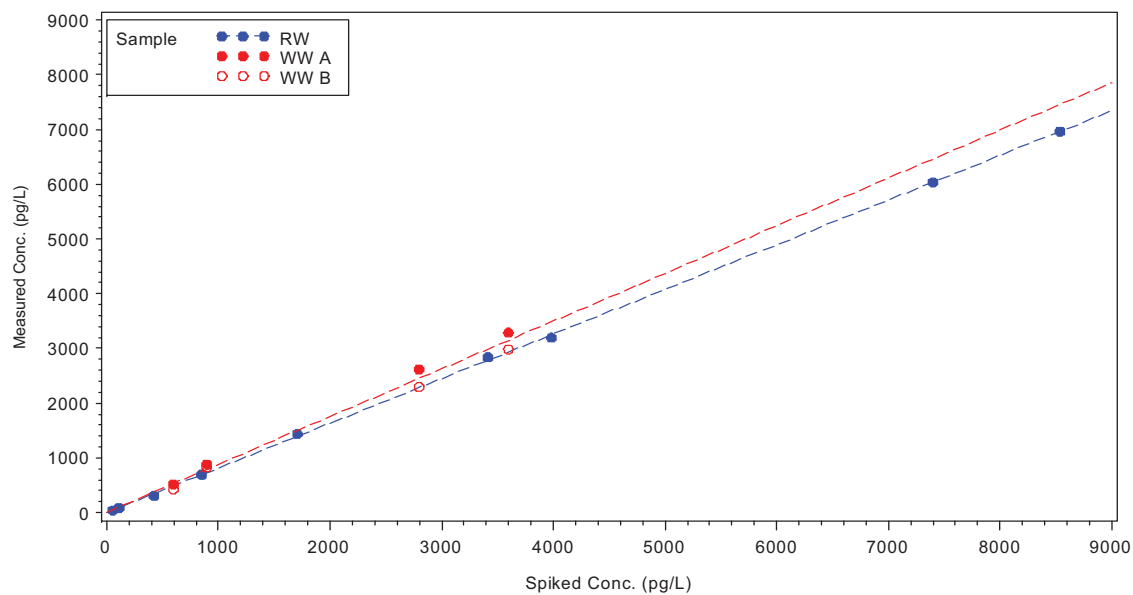
ANCOVA results
RW slope= 0.799 WW slope= 0.818 p-value=0.5973

Reagent Water and Waste Water Results vs. Spiked Concentration for Lab 3
PCB 146



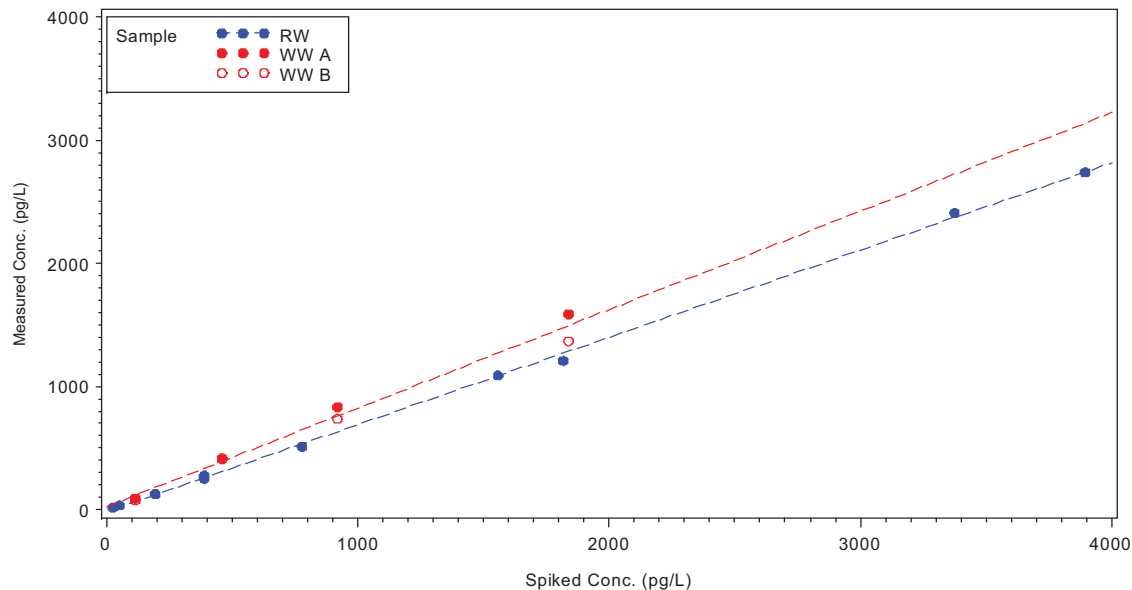
ANCOVA results
RW slope= 0.767 WW slope= 0.899 p-value=0.0002

Reagent Water and Waste Water Results vs. Spiked Concentration for Lab 3
PCB 147/149



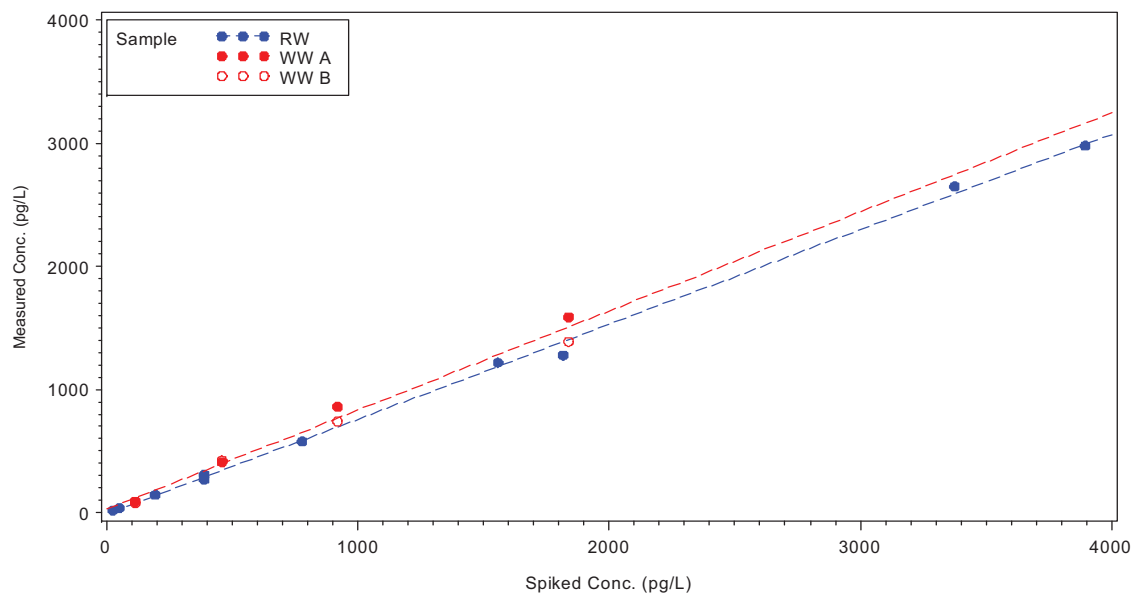
ANCOVA results
RW slope= 0.816 WW slope= 0.872 p-value=0.0126

Reagent Water and Waste Water Results vs. Spiked Concentration for Lab 3
PCB 148



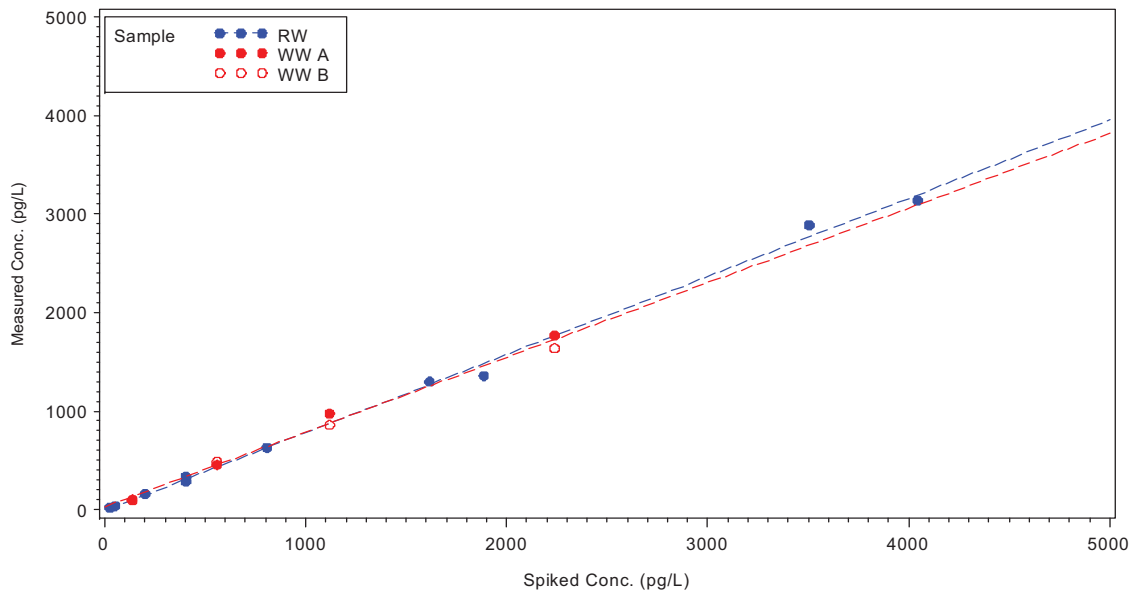
ANCOVA results
RW slope= 0.708 WW slope= 0.8 p-value=0.0046

Reagent Water and Waste Water Results vs. Spiked Concentration for Lab 3
PCB 150



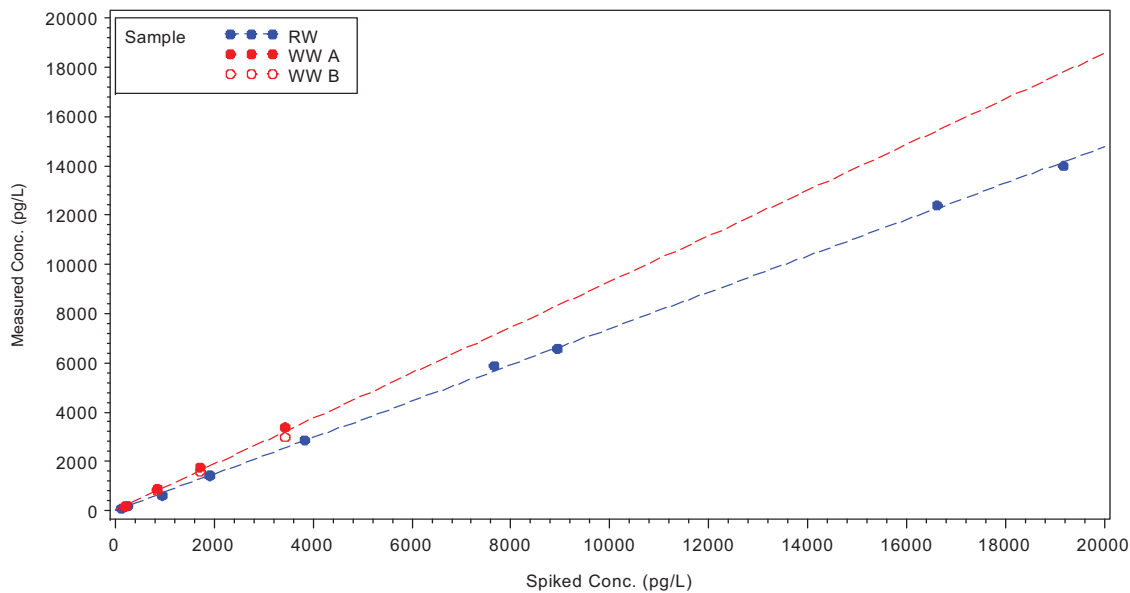
ANCOVA results
RW slope= 0.771 WW slope= 0.805 p-value=0.3092

Reagent Water and Waste Water Results vs. Spiked Concentration for Lab 3
PCB 152



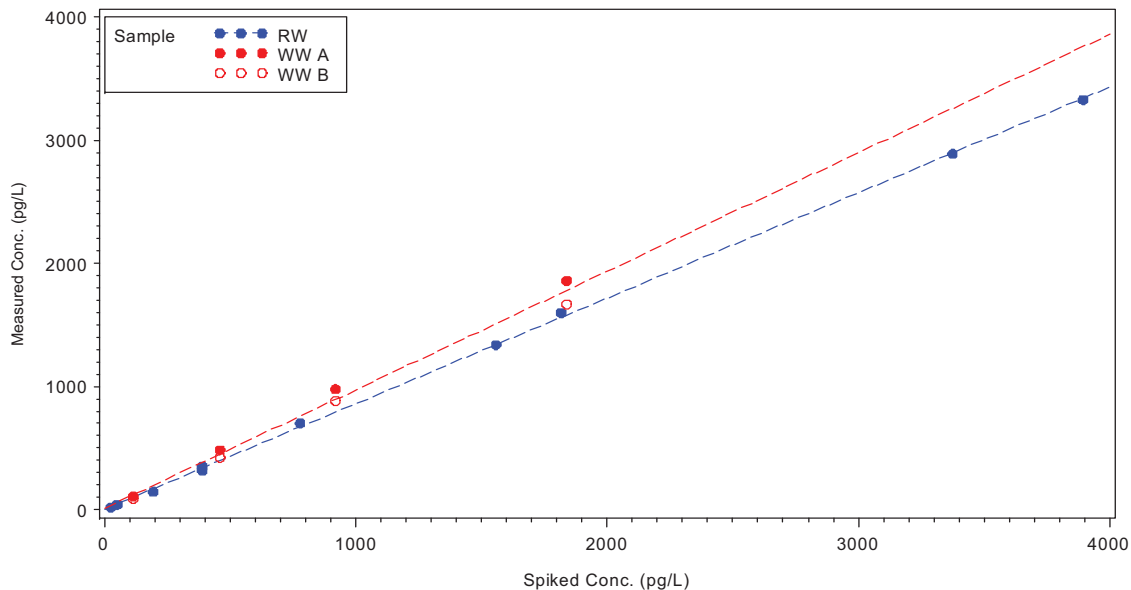
ANCOVA results
 RW slope= 0.793 WW slope= 0.758 p-value=0.2958

Reagent Water and Waste Water Results vs. Spiked Concentration for Lab 3
PCB 153/168



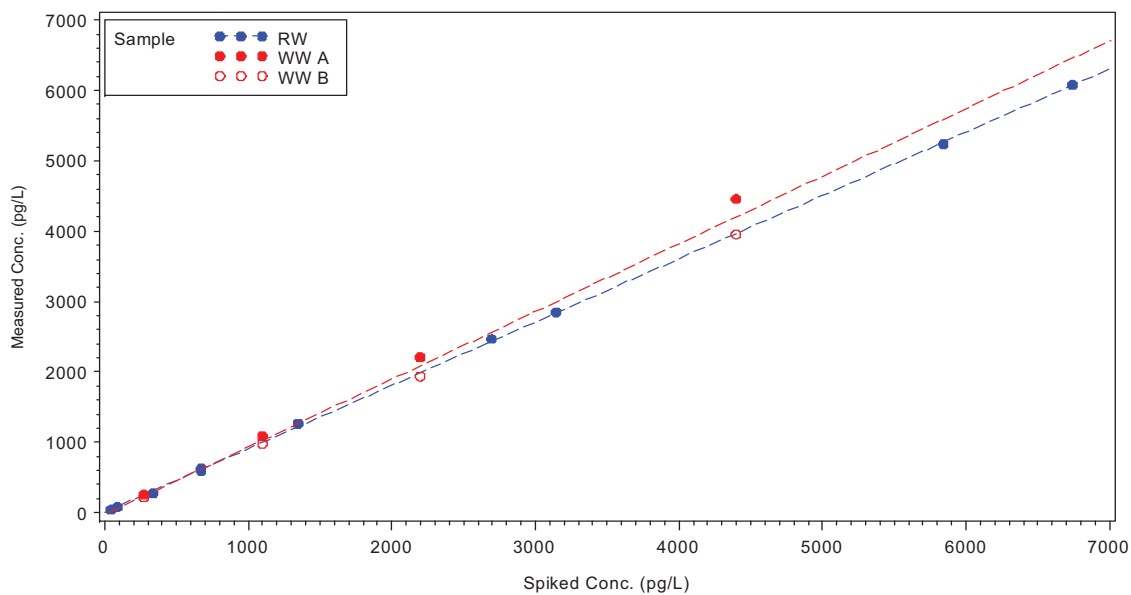
ANCOVA results
 RW slope= 0.738 WW slope= 0.927 p-value=<.0001

Reagent Water and Waste Water Results vs. Spiked Concentration for Lab 3
PCB 155



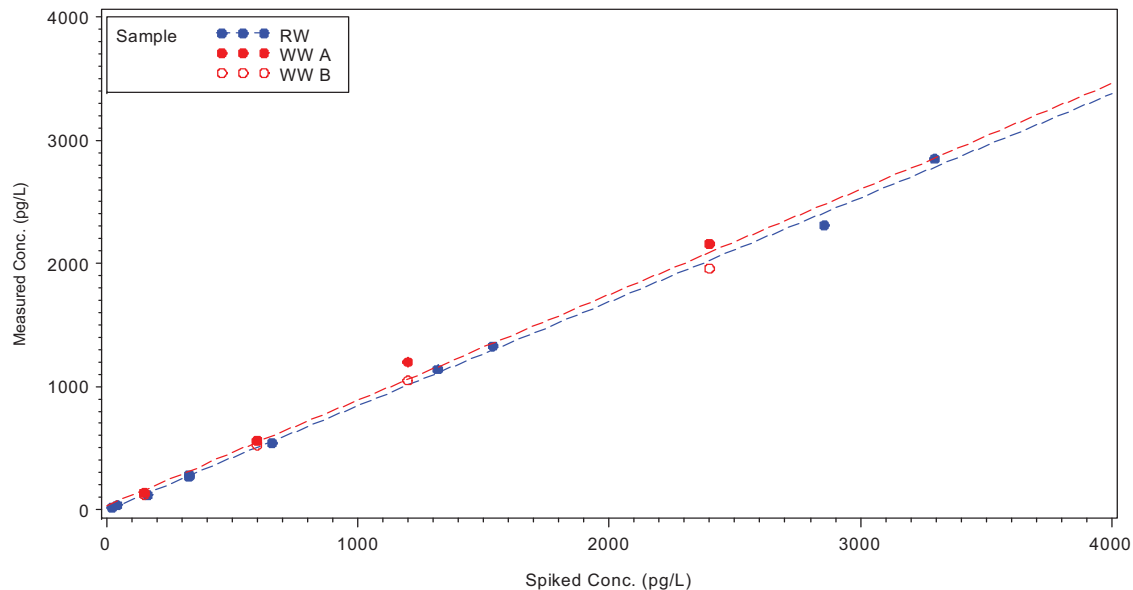
ANCOVA results
RW slope= 0.857 WW slope= 0.963 p-value=0.0002

Reagent Water and Waste Water Results vs. Spiked Concentration for Lab 3
PCB 156/157



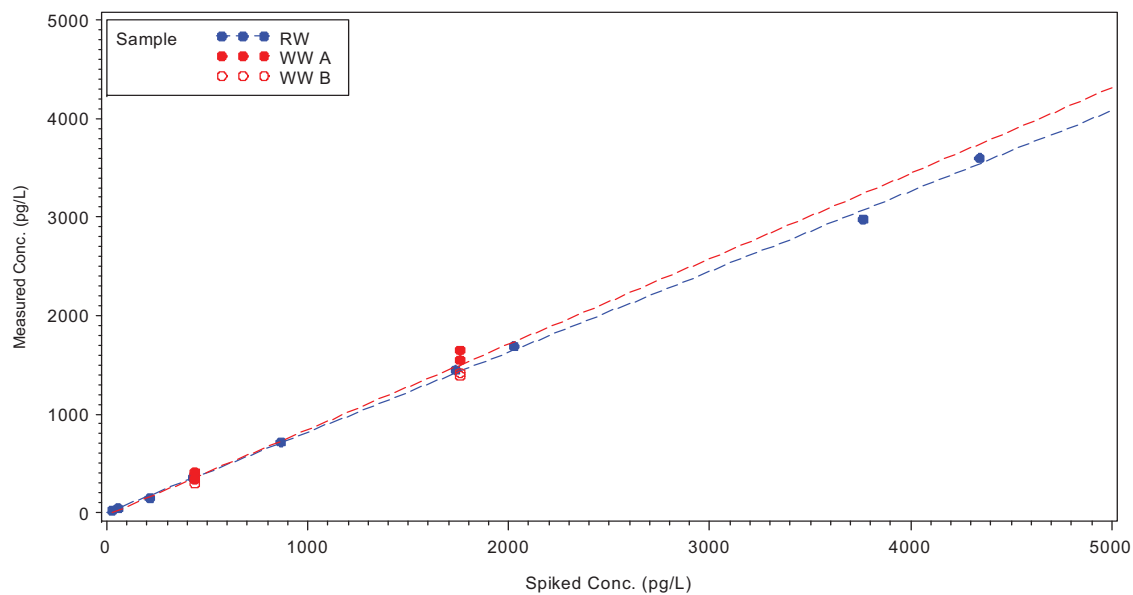
ANCOVA results
RW slope= 0.9 WW slope= 0.962 p-value=0.0077

Reagent Water and Waste Water Results vs. Spiked Concentration for Lab 3
PCB 158



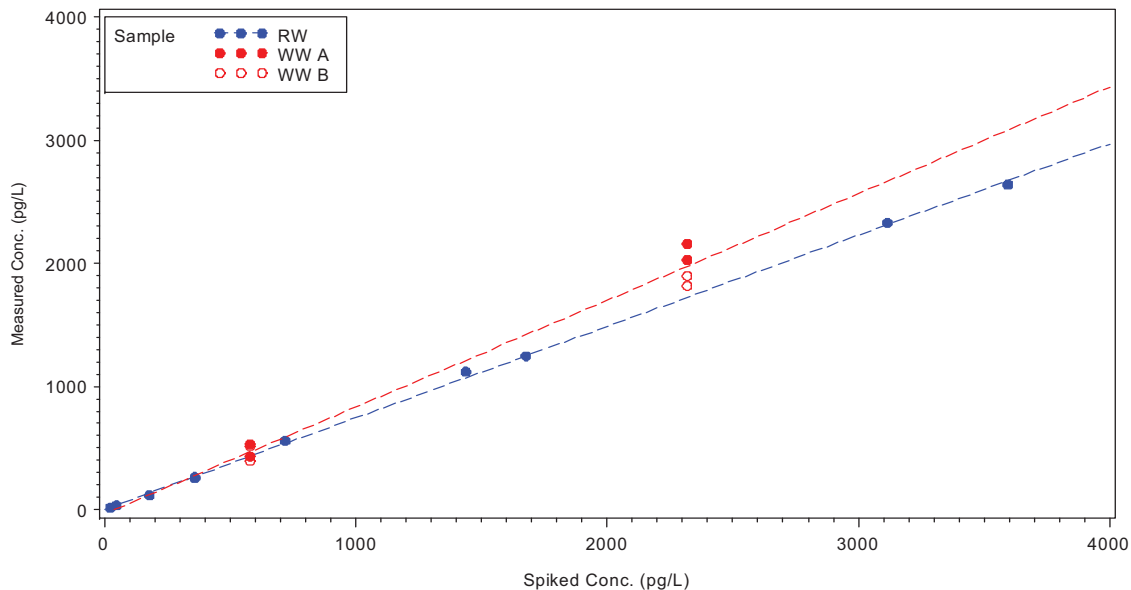
ANCOVA results
RW slope= 0.845 WW slope= 0.857 p-value=0.6969

Reagent Water and Waste Water Results vs. Spiked Concentration for Lab 3
PCB 159



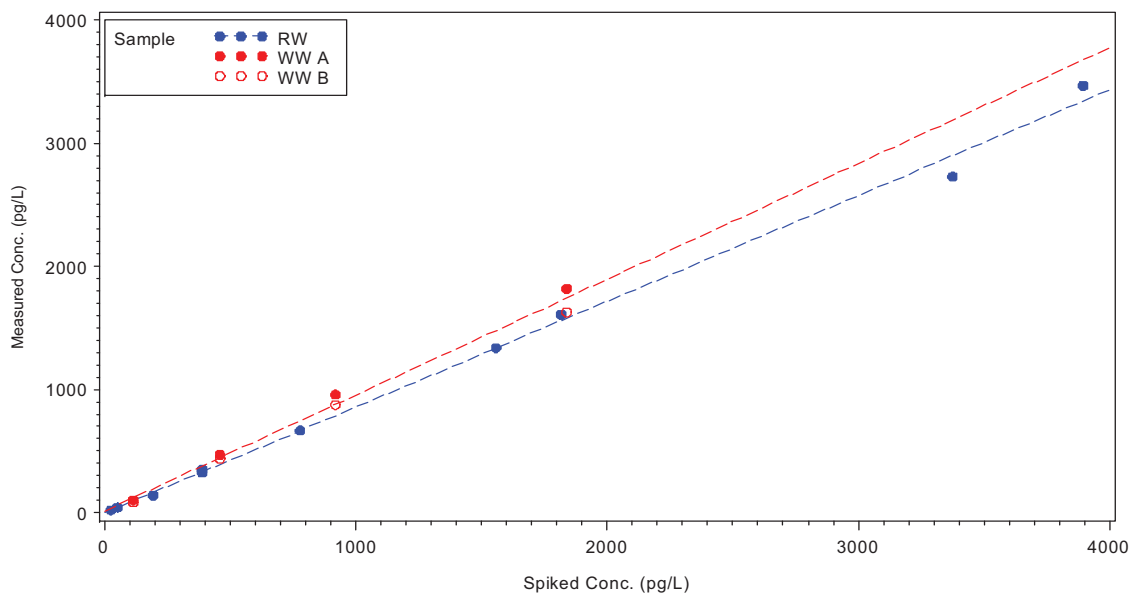
ANCOVA results
RW slope= 0.816 WW slope= 0.867 p-value=0.1337

Reagent Water and Waste Water Results vs. Spiked Concentration for Lab 3
PCB 161



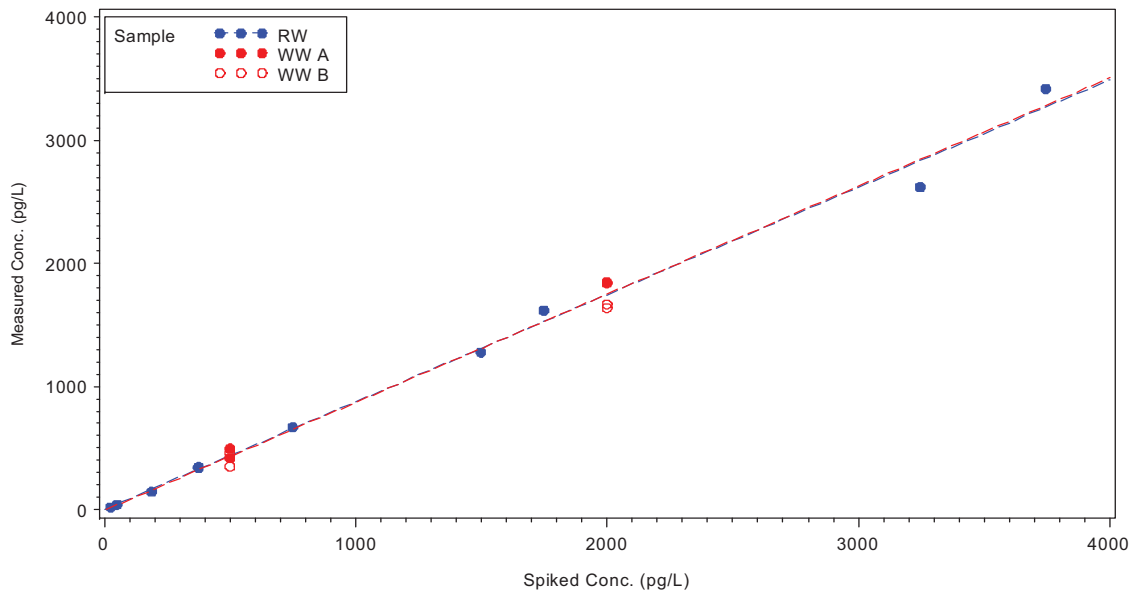
ANCOVA results
RW slope= 0.742 WW slope= 0.866 p-value=0.0012

Reagent Water and Waste Water Results vs. Spiked Concentration for Lab 3
PCB 162



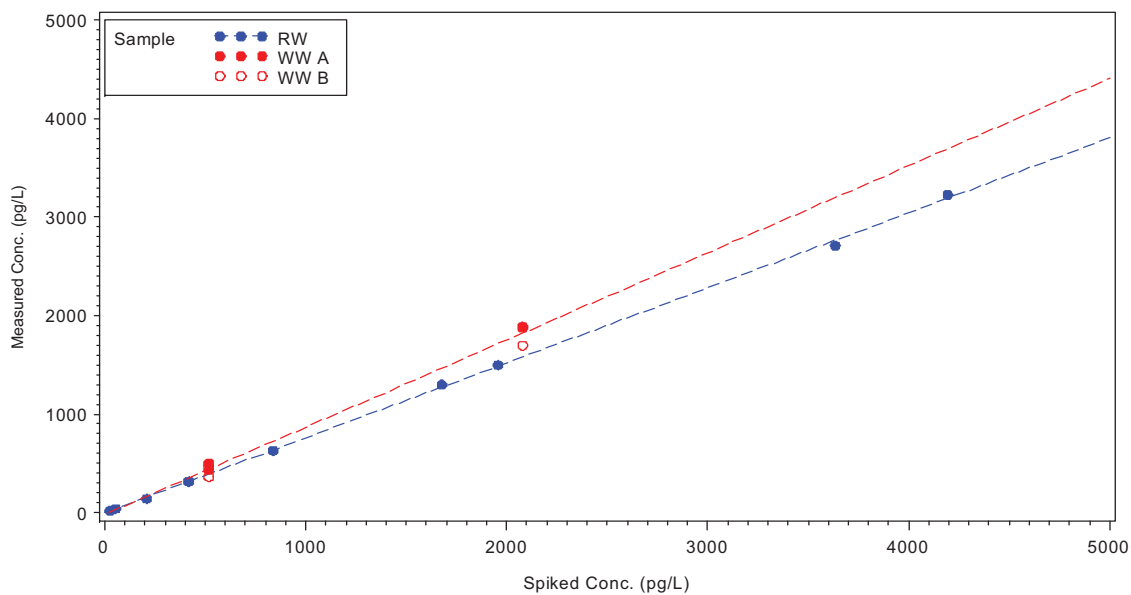
ANCOVA results
RW slope= 0.86 WW slope= 0.94 p-value=0.0718

Reagent Water and Waste Water Results vs. Spiked Concentration for Lab 3
PCB 164



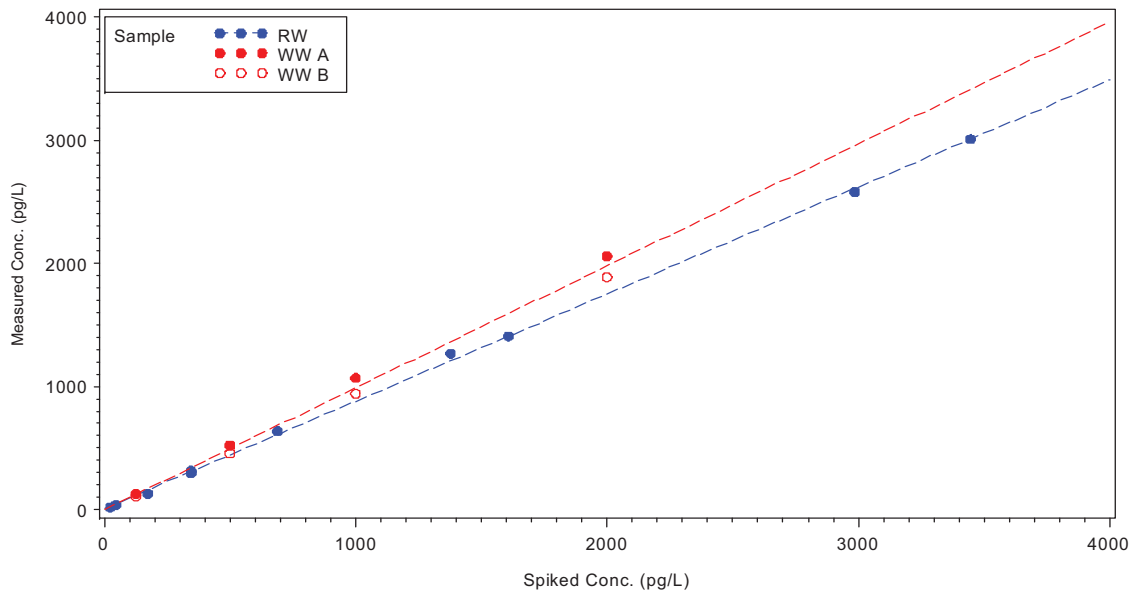
ANCOVA results
RW slope= 0.871 WW slope= 0.878 p-value=0.8821

Reagent Water and Waste Water Results vs. Spiked Concentration for Lab 3
PCB 165



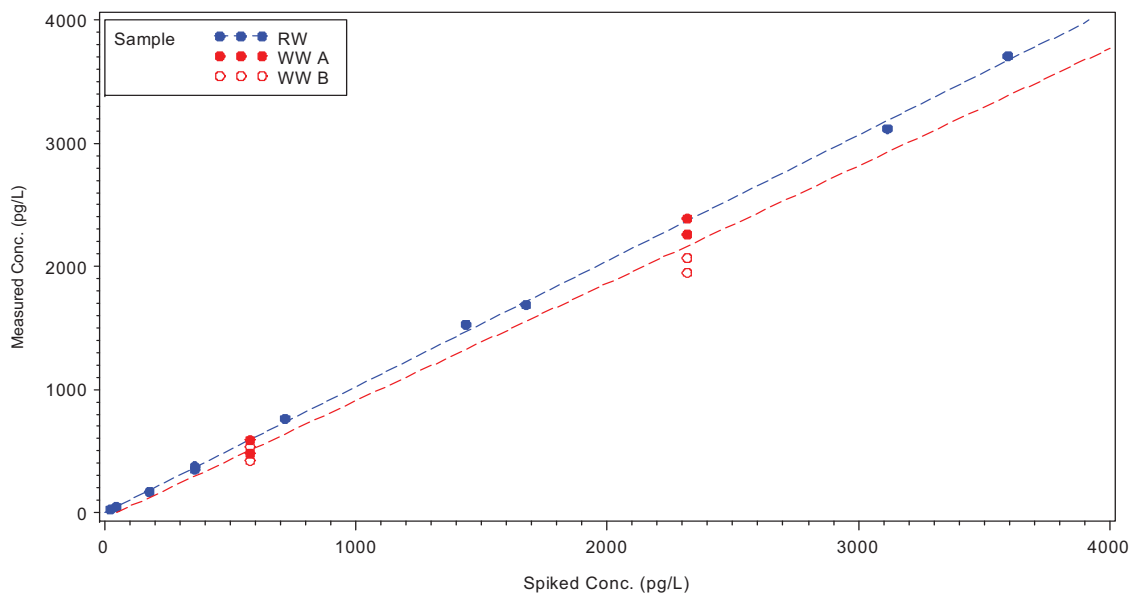
ANCOVA results
RW slope= 0.762 WW slope= 0.874 p-value=0.0003

Reagent Water and Waste Water Results vs. Spiked Concentration for Lab 3
PCB 167



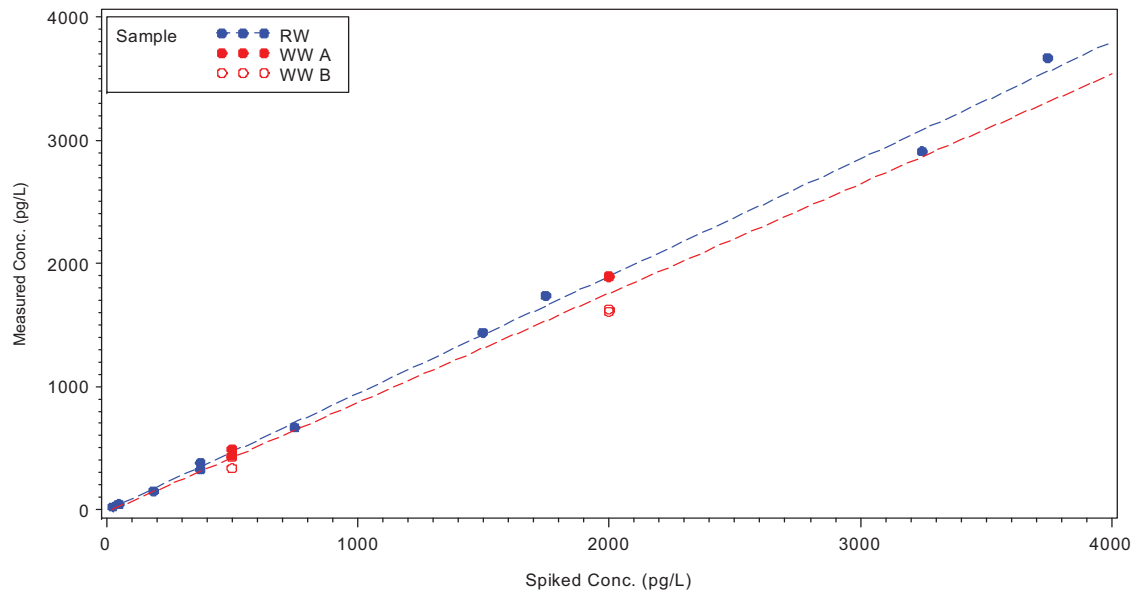
ANCOVA results
RW slope= 0.87 WW slope= 0.99 p-value=<.0001

Reagent Water and Waste Water Results vs. Spiked Concentration for Lab 3
PCB 169



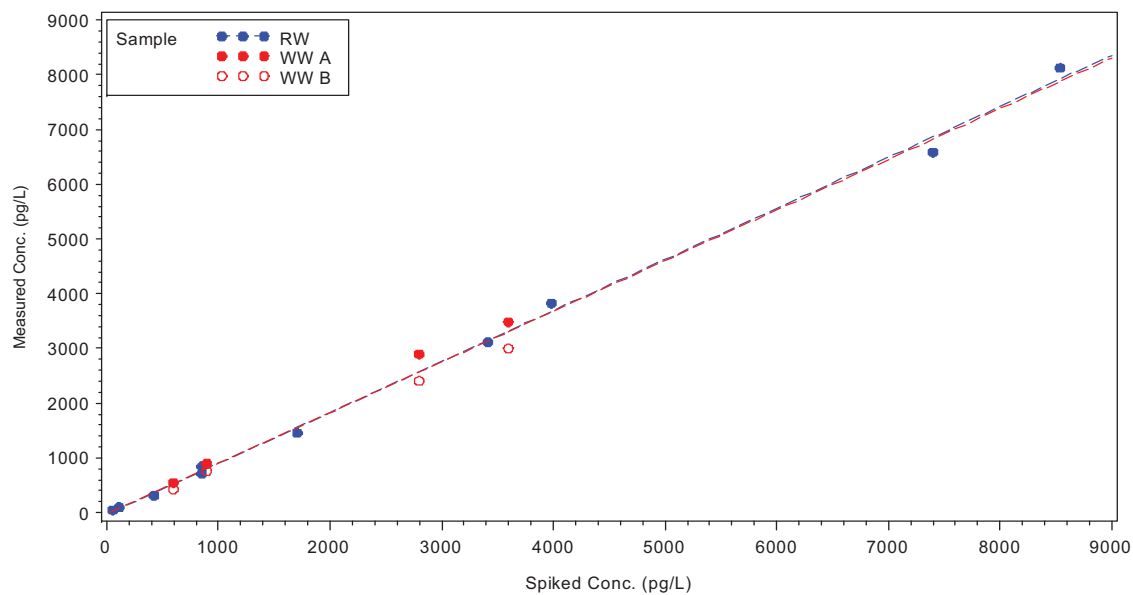
ANCOVA results
RW slope= 1.02 WW slope= 0.954 p-value=0.0906

Reagent Water and Waste Water Results vs. Spiked Concentration for Lab 3
PCB 170



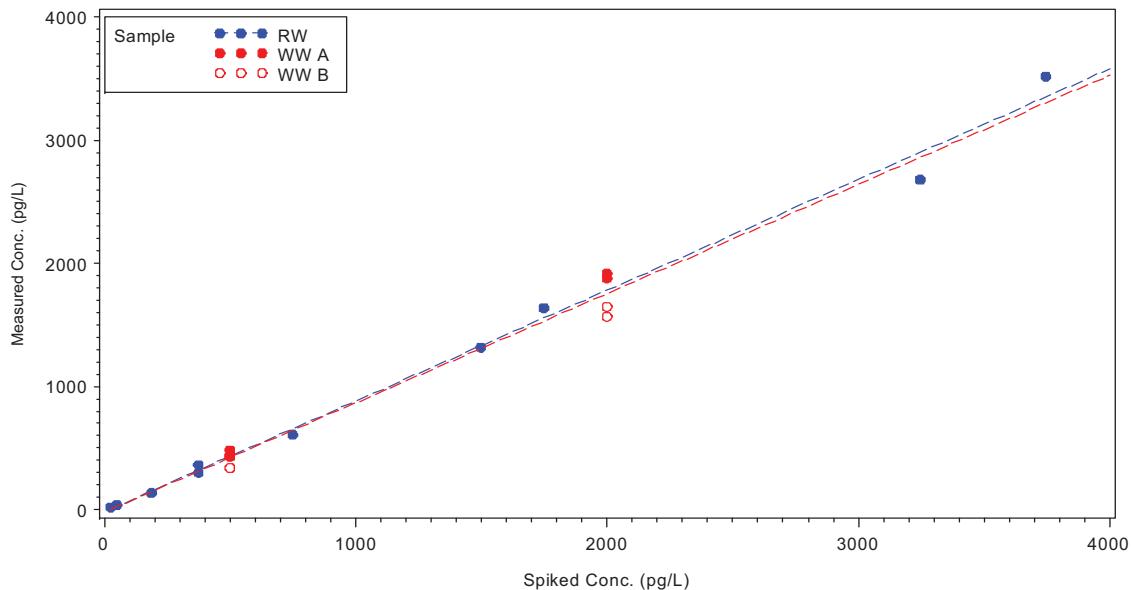
ANCOVA results
RW slope= 0.952 WW slope= 0.889 p-value=0.1510

Reagent Water and Waste Water Results vs. Spiked Concentration for Lab 3
PCB 171/173



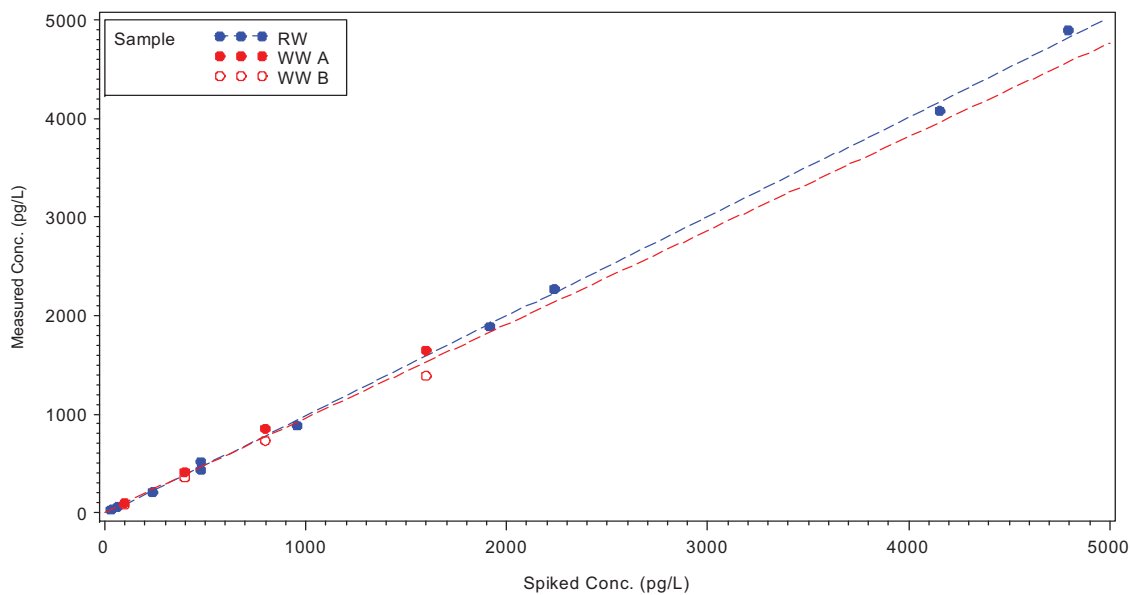
ANCOVA results
RW slope= 0.932 WW slope= 0.925 p-value=0.8696

Reagent Water and Waste Water Results vs. Spiked Concentration for Lab 3
PCB 172



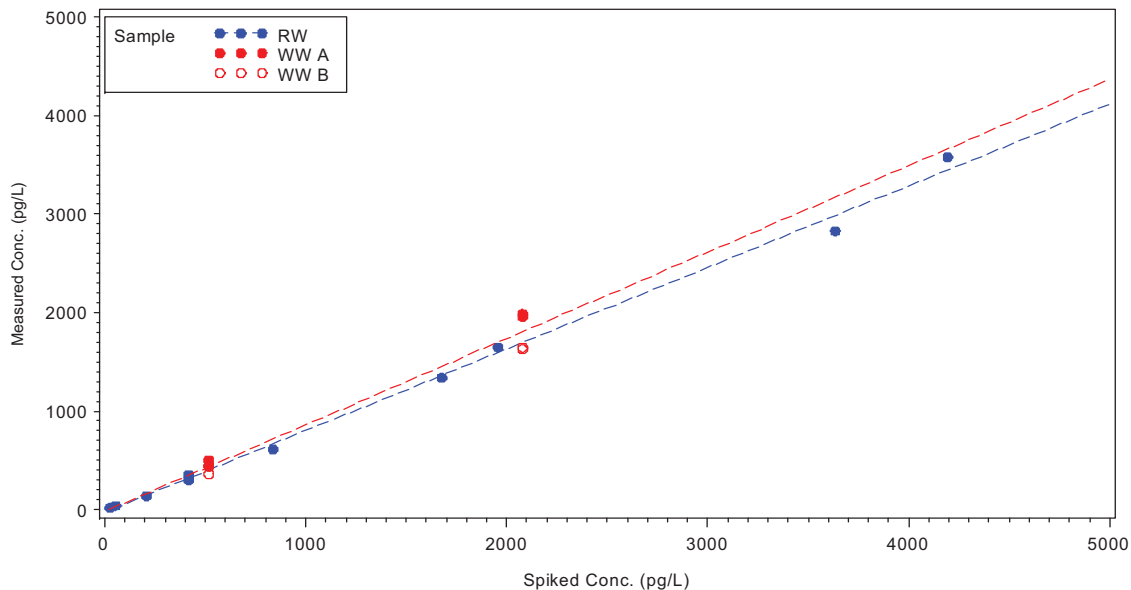
ANCOVA results
RW slope= 0.899 WW slope= 0.887 p-value=0.8214

Reagent Water and Waste Water Results vs. Spiked Concentration for Lab 3
PCB 174



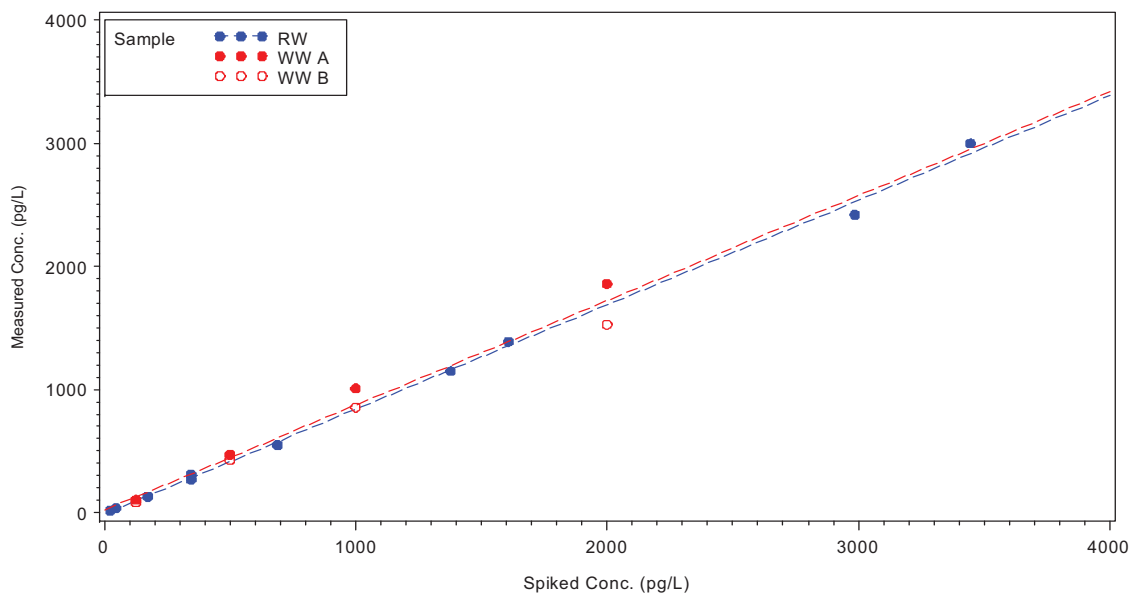
ANCOVA results
RW slope= 1.009 WW slope= 0.952 p-value=0.1591

Reagent Water and Waste Water Results vs. Spiked Concentration for Lab 3
PCB 175



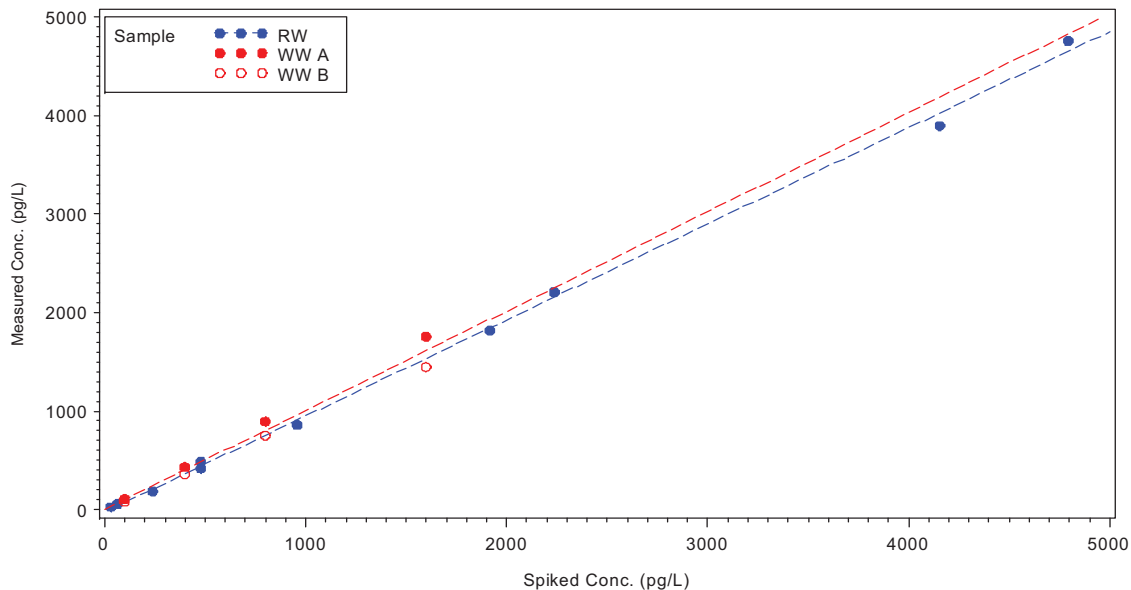
ANCOVA results
RW slope= 0.828 WW slope= 0.877 p-value=0.2676

Reagent Water and Waste Water Results vs. Spiked Concentration for Lab 3
PCB 176



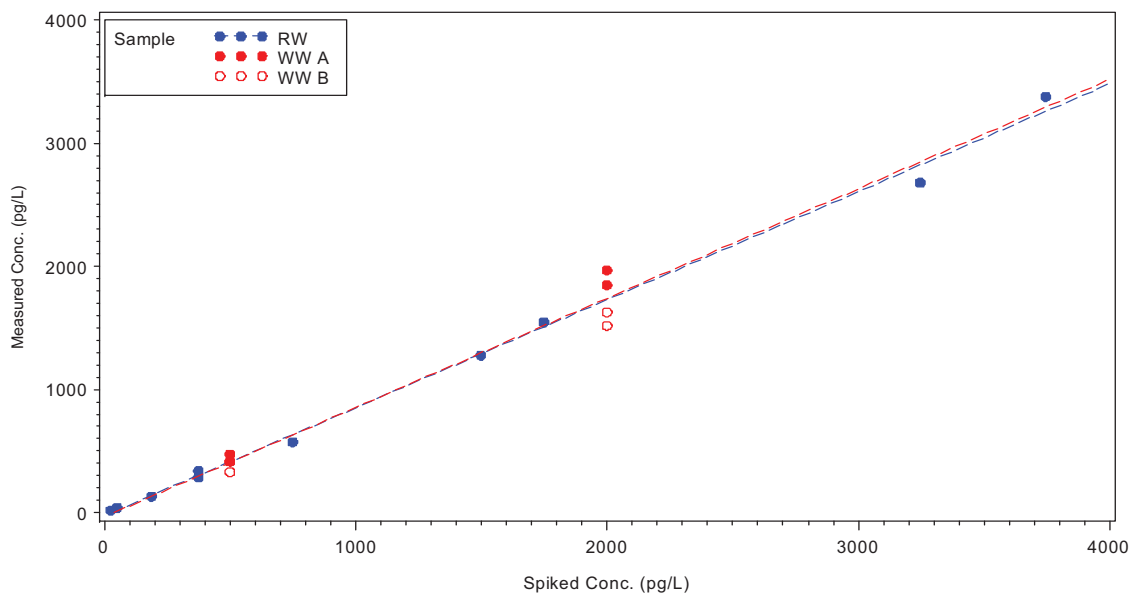
ANCOVA results
RW slope= 0.848 WW slope= 0.85 p-value=0.9647

Reagent Water and Waste Water Results vs. Spiked Concentration for Lab 3
PCB 177



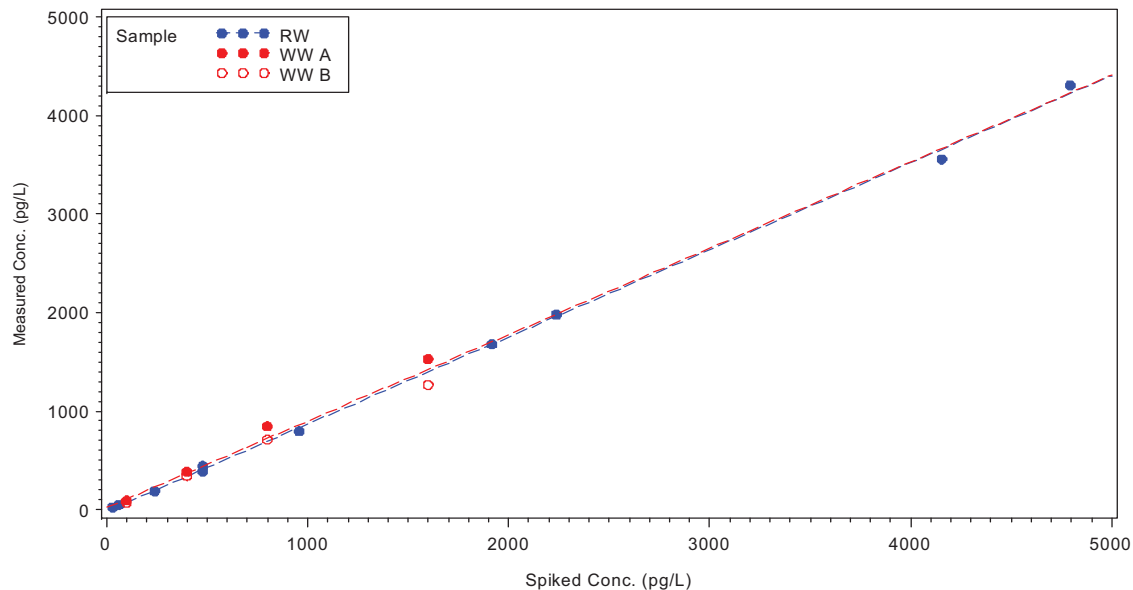
ANCOVA results
RW slope= 0.976 WW slope= 1.008 p-value=0.4956

Reagent Water and Waste Water Results vs. Spiked Concentration for Lab 3
PCB 178



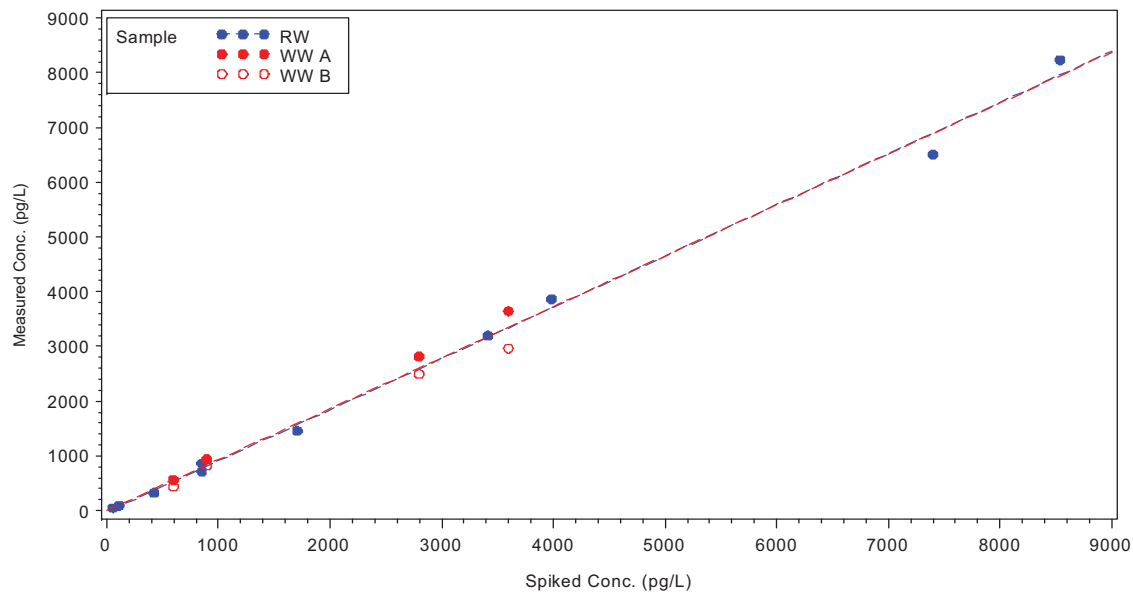
ANCOVA results
RW slope= 0.877 WW slope= 0.888 p-value=0.8008

Reagent Water and Waste Water Results vs. Spiked Concentration for Lab 3
PCB 179



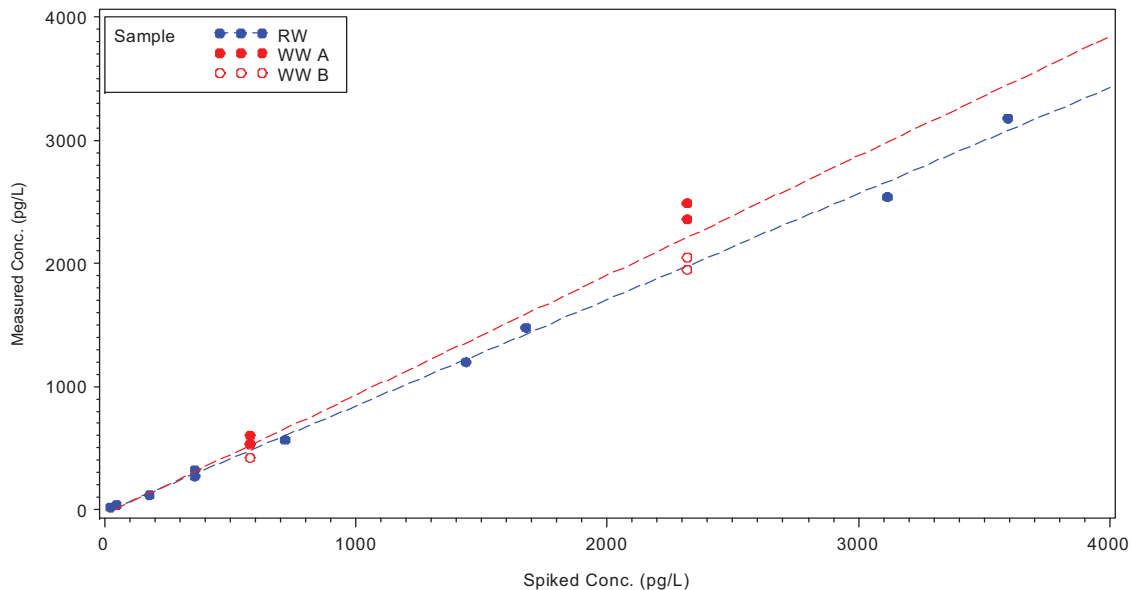
ANCOVA results
RW slope= 0.884 WW slope= 0.878 p-value=0.8796

Reagent Water and Waste Water Results vs. Spiked Concentration for Lab 3
PCB 180/193



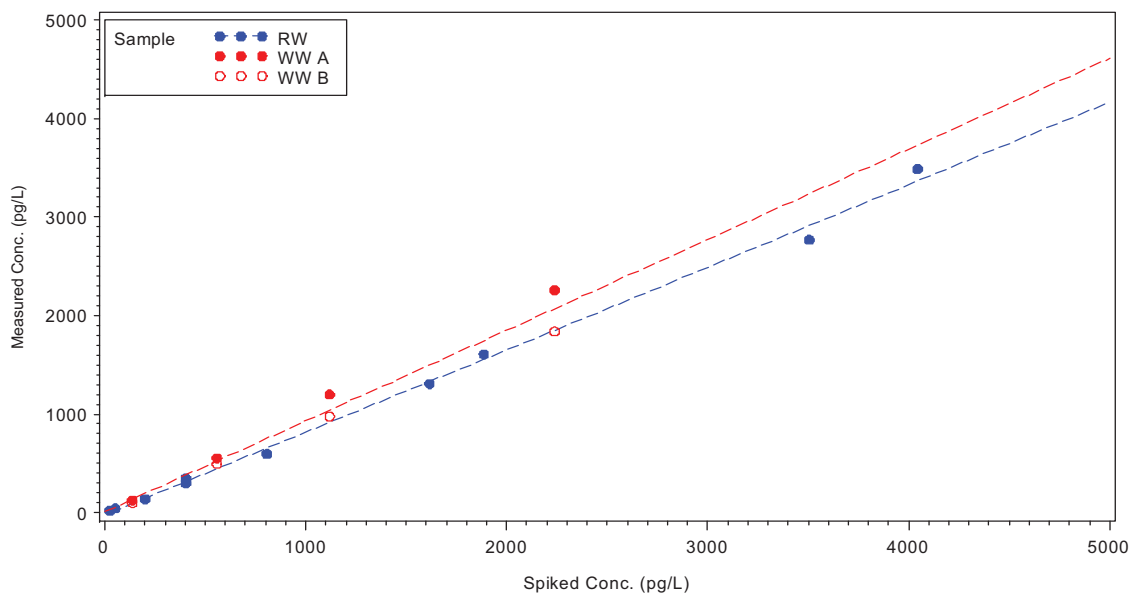
ANCOVA results
RW slope= 0.936 WW slope= 0.931 p-value=0.9222

Reagent Water and Waste Water Results vs. Spiked Concentration for Lab 3
PCB 181



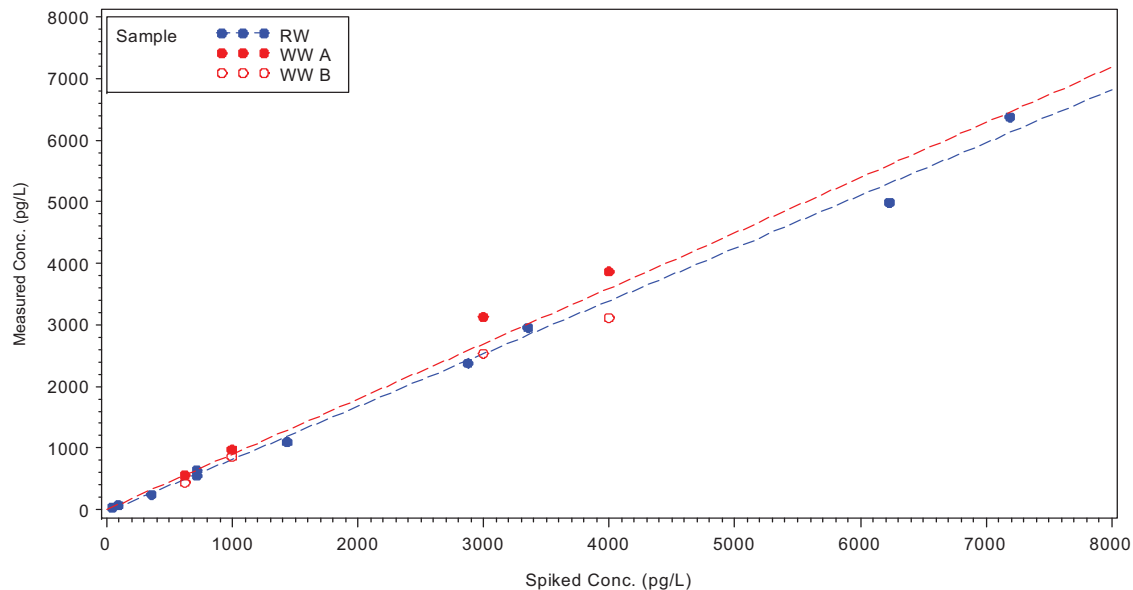
ANCOVA results
RW slope= 0.861 WW slope= 0.971 p-value=0.0270

Reagent Water and Waste Water Results vs. Spiked Concentration for Lab 3
PCB 182



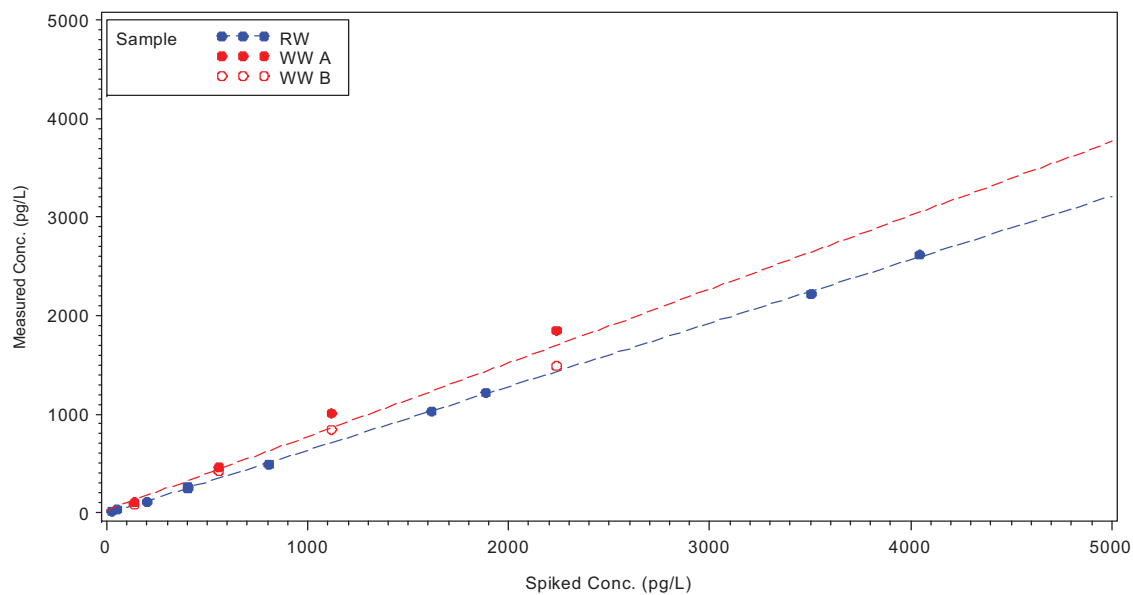
ANCOVA results
RW slope= 0.838 WW slope= 0.92 p-value=0.0864

Reagent Water and Waste Water Results vs. Spiked Concentration for Lab 3
PCB 183/185



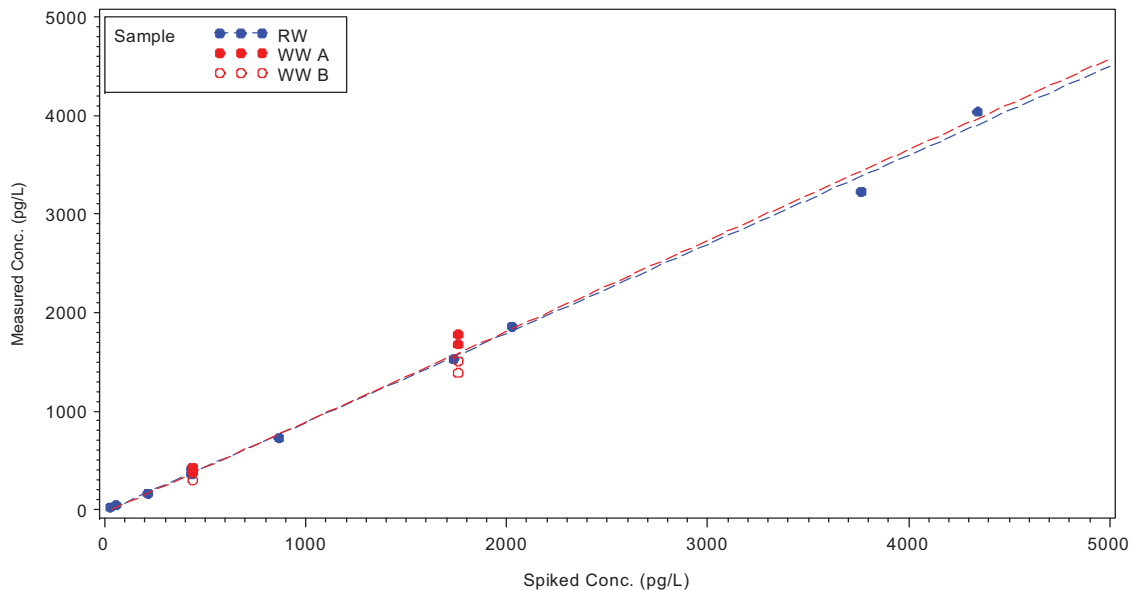
ANCOVA results
RW slope= 0.857 WW slope= 0.898 p-value=0.4397

Reagent Water and Waste Water Results vs. Spiked Concentration for Lab 3
PCB 184



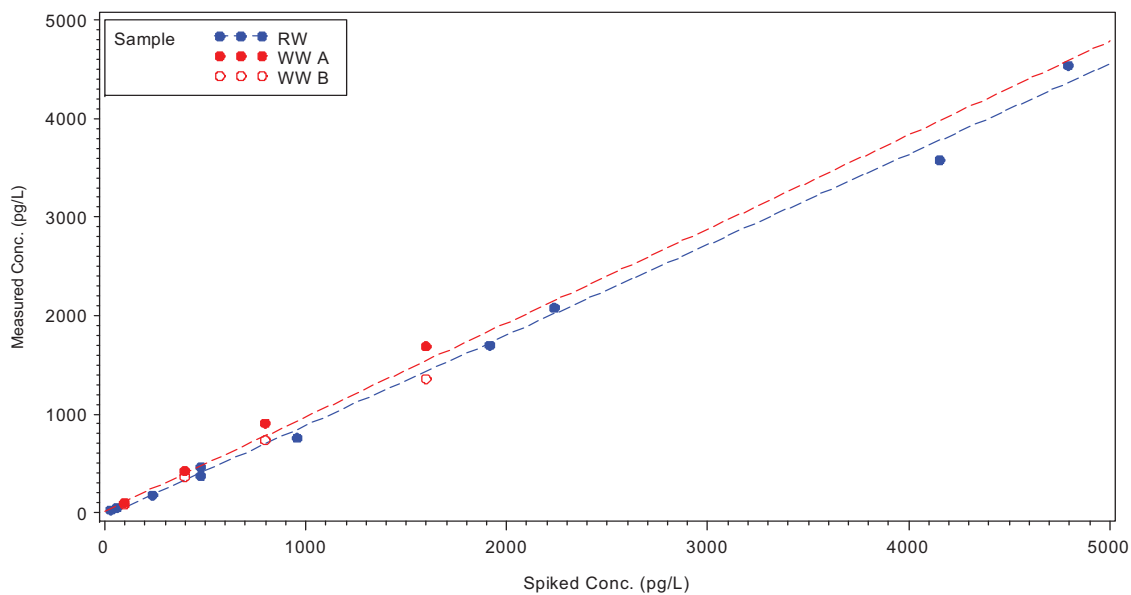
ANCOVA results
RW slope= 0.644 WW slope= 0.748 p-value=0.0059

Reagent Water and Waste Water Results vs. Spiked Concentration for Lab 3
PCB 186



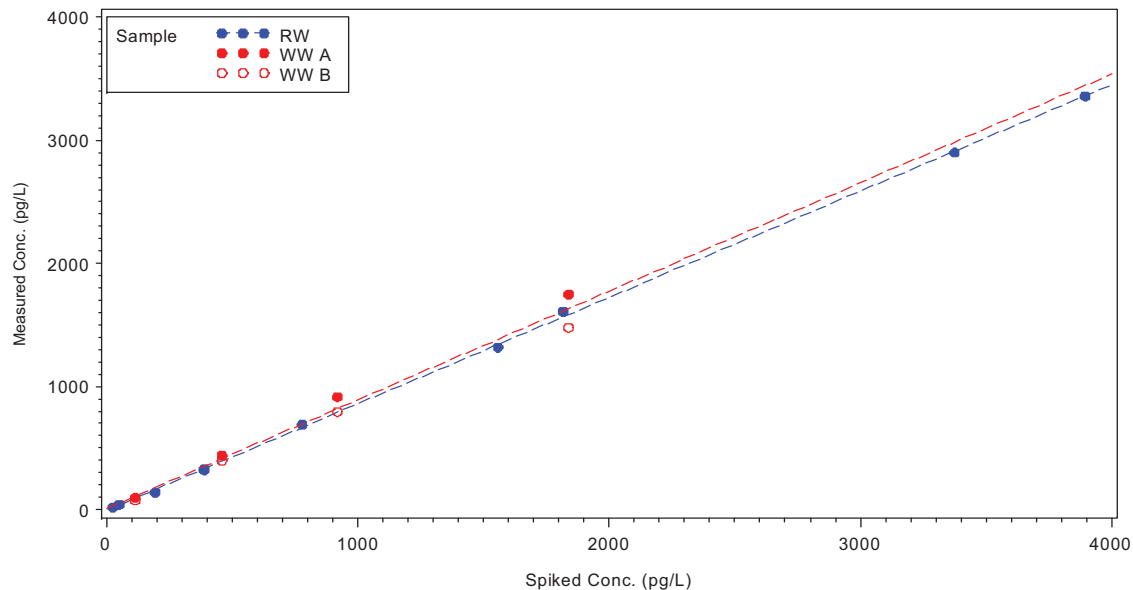
ANCOVA results
RW slope= 0.904 WW slope= 0.922 p-value=0.7103

Reagent Water and Waste Water Results vs. Spiked Concentration for Lab 3
PCB 187



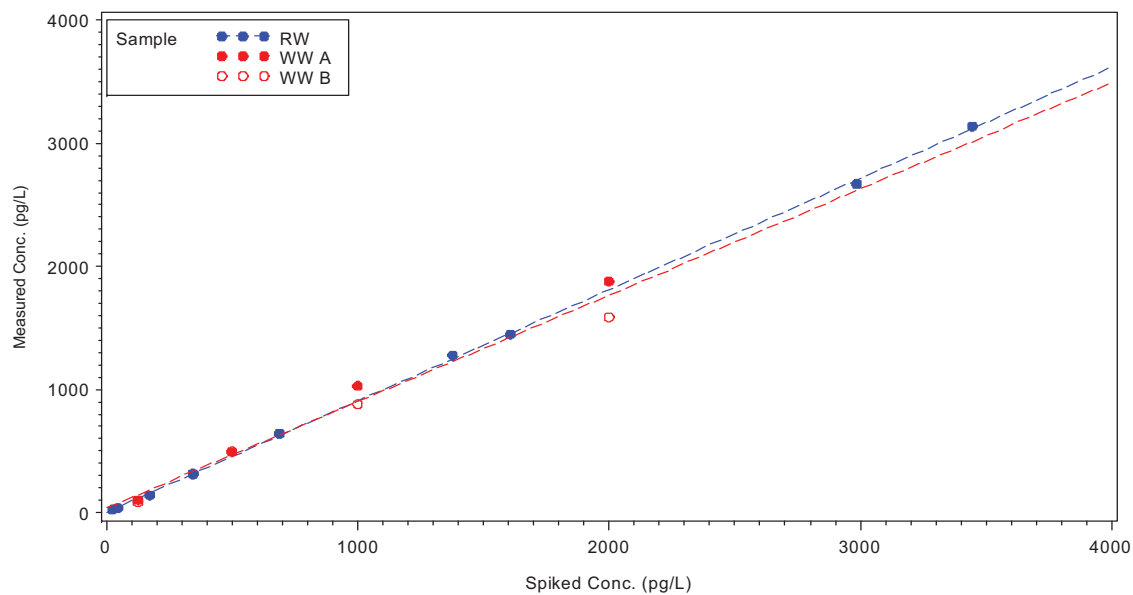
ANCOVA results
RW slope= 0.918 WW slope= 0.954 p-value=0.5873

Reagent Water and Waste Water Results vs. Spiked Concentration for Lab 3
PCB 188



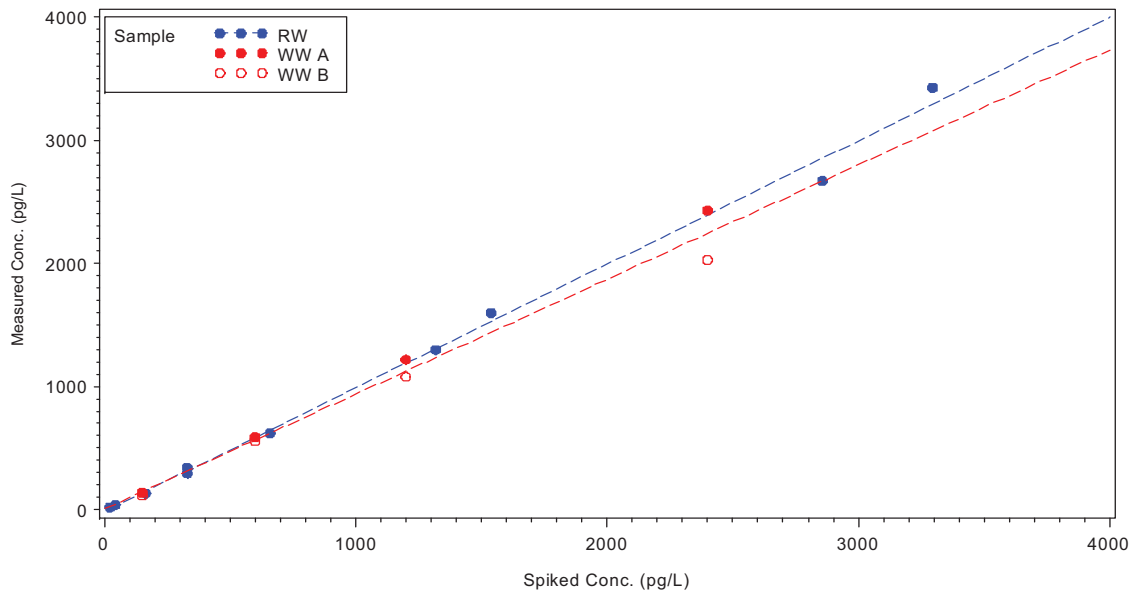
ANCOVA results
RW slope= 0.864 WW slope= 0.882 p-value=0.5206

Reagent Water and Waste Water Results vs. Spiked Concentration for Lab 3
PCB 189



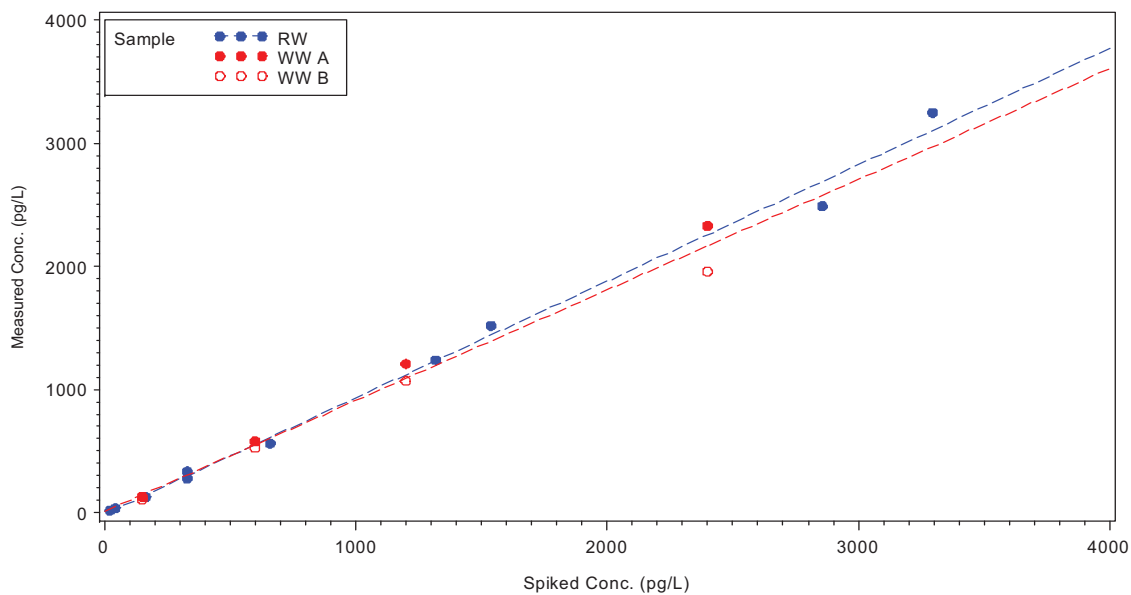
ANCOVA results
RW slope= 0.904 WW slope= 0.864 p-value=0.2514

Reagent Water and Waste Water Results vs. Spiked Concentration for Lab 3
PCB 190



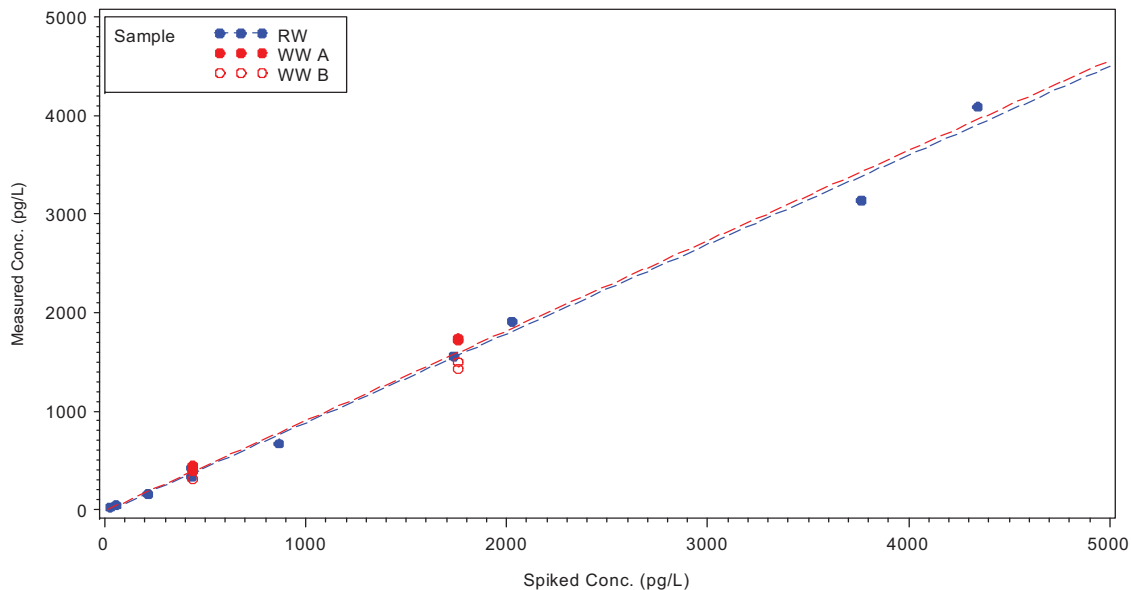
ANCOVA results
RW slope= 1.004 WW slope= 0.932 p-value=0.1397

Reagent Water and Waste Water Results vs. Spiked Concentration for Lab 3
PCB 191



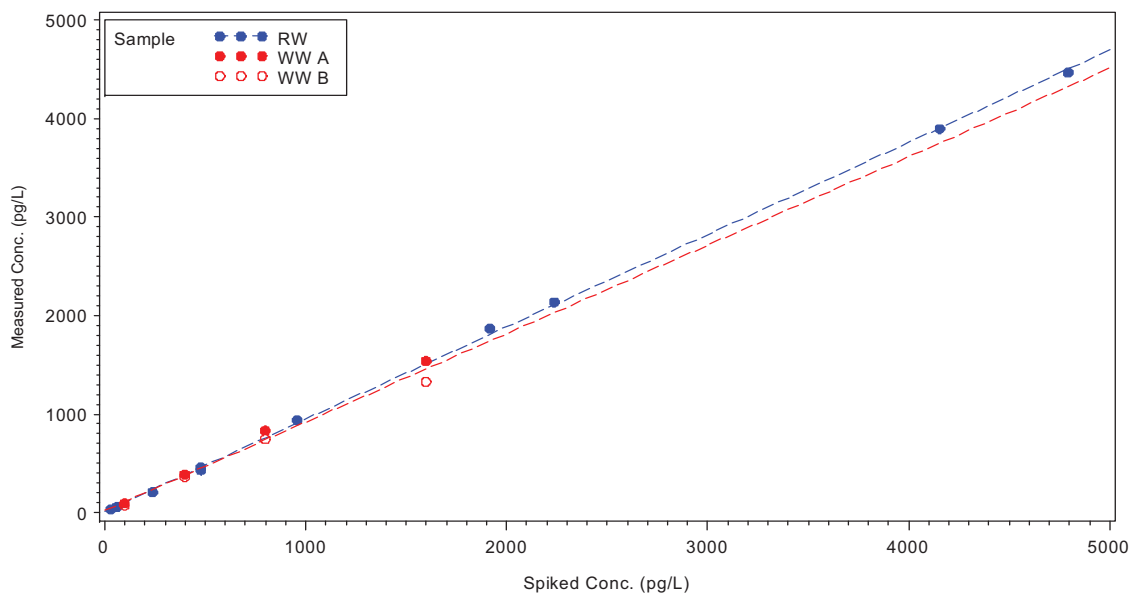
ANCOVA results
RW slope= 0.946 WW slope= 0.898 p-value=0.3311

Reagent Water and Waste Water Results vs. Spiked Concentration for Lab 3
PCB 192



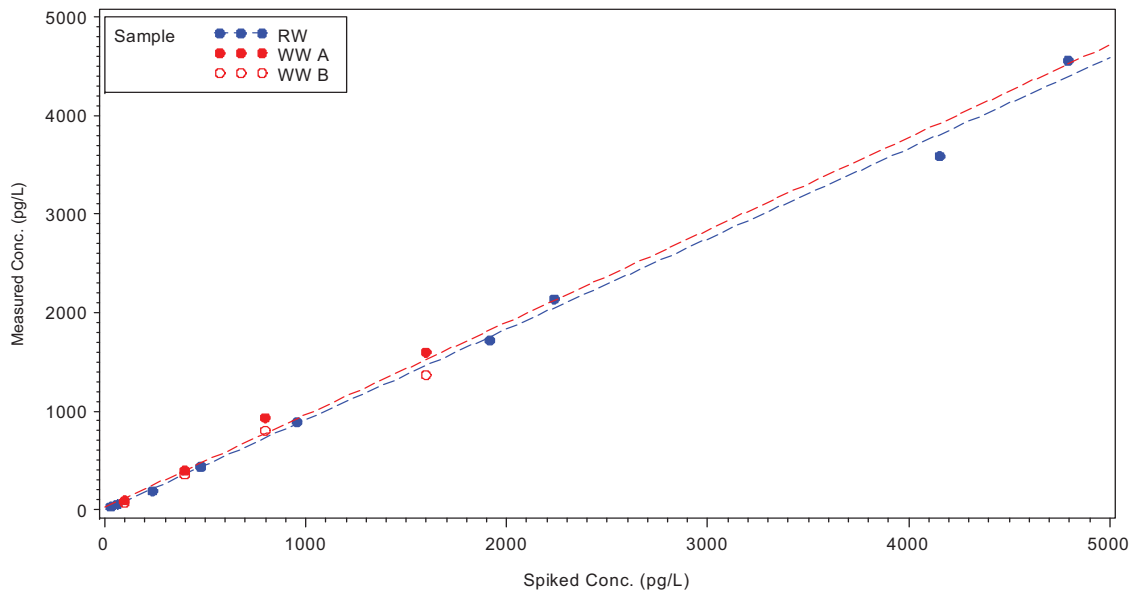
ANCOVA results
RW slope= 0.906 WW slope= 0.915 p-value=0.8824

Reagent Water and Waste Water Results vs. Spiked Concentration for Lab 3
PCB 194



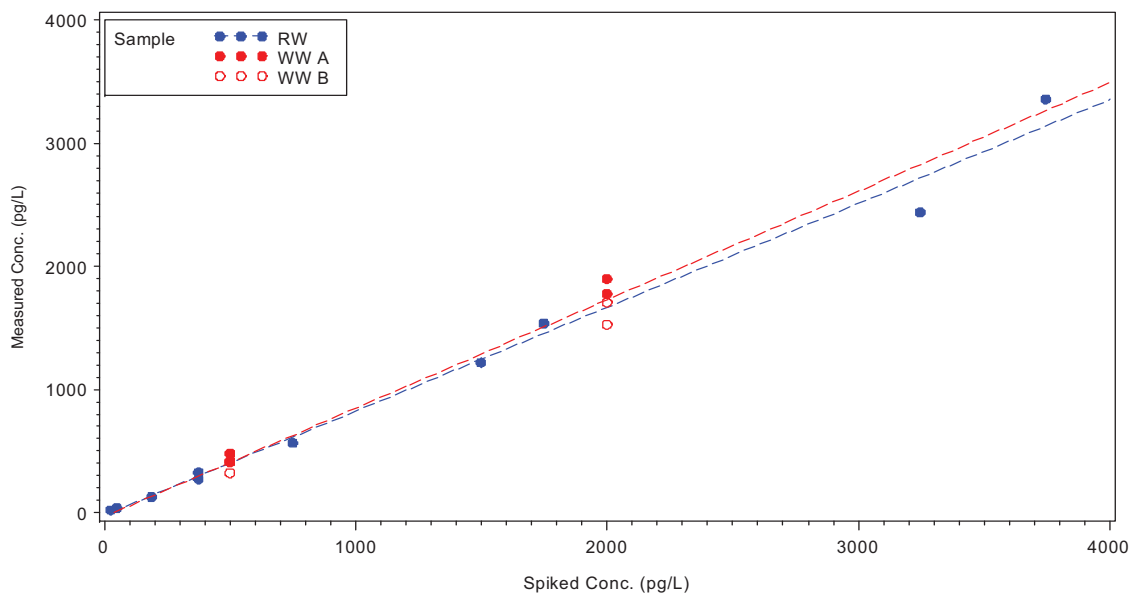
ANCOVA results
RW slope= 0.937 WW slope= 0.898 p-value=0.2281

Reagent Water and Waste Water Results vs. Spiked Concentration for Lab 3
PCB 195



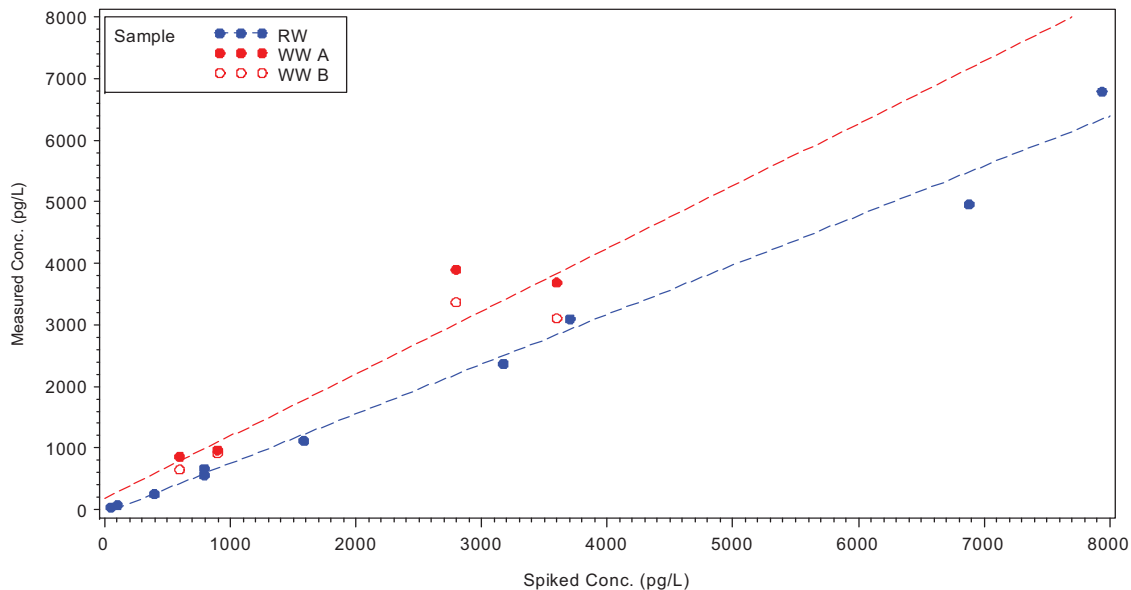
ANCOVA results
RW slope= 0.918 WW slope= 0.939 p-value=0.7567

Reagent Water and Waste Water Results vs. Spiked Concentration for Lab 3
PCB 196



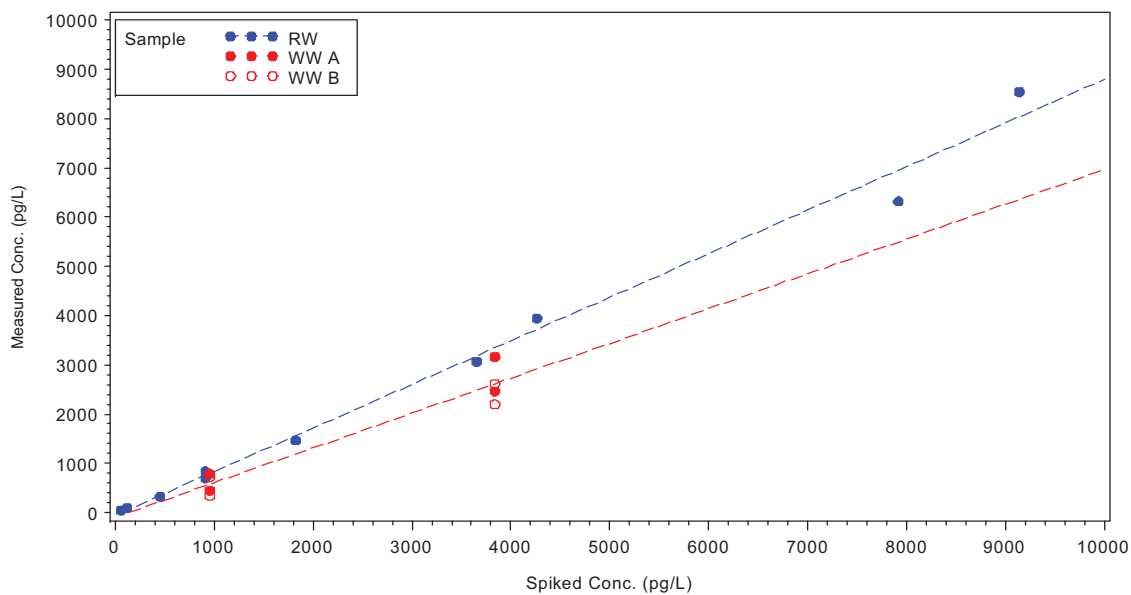
ANCOVA results
RW slope= 0.844 WW slope= 0.881 p-value=0.5640

Reagent Water and Waste Water Results vs. Spiked Concentration for Lab 3
PCB 197/200



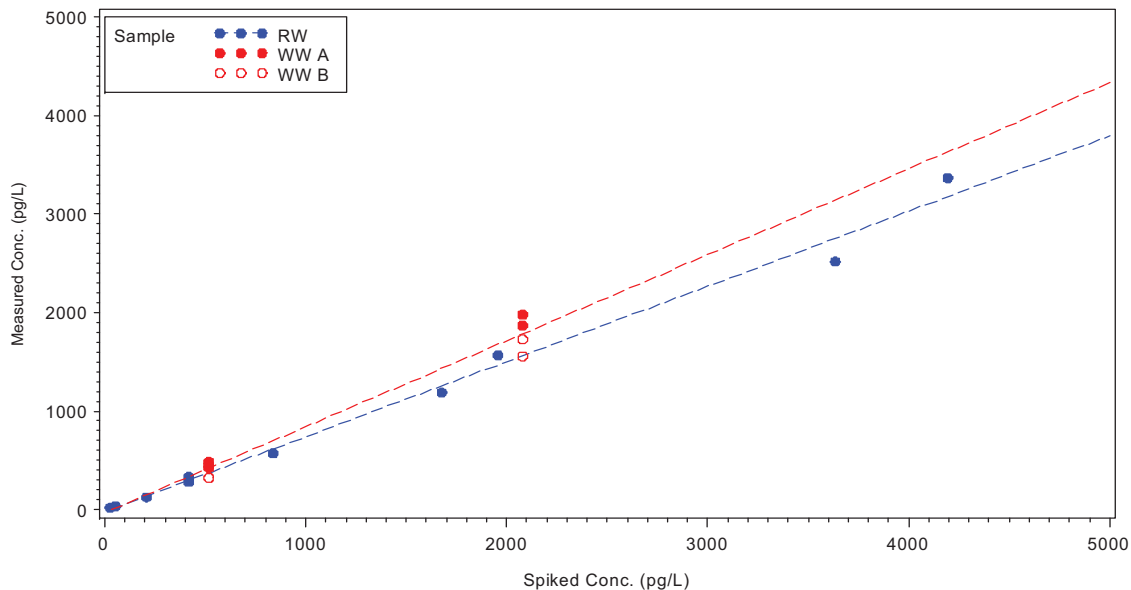
ANCOVA results
RW slope= 0.805 WW slope= 1.016 p-value=0.0870

Reagent Water and Waste Water Results vs. Spiked Concentration for Lab 3
PCB 198/199



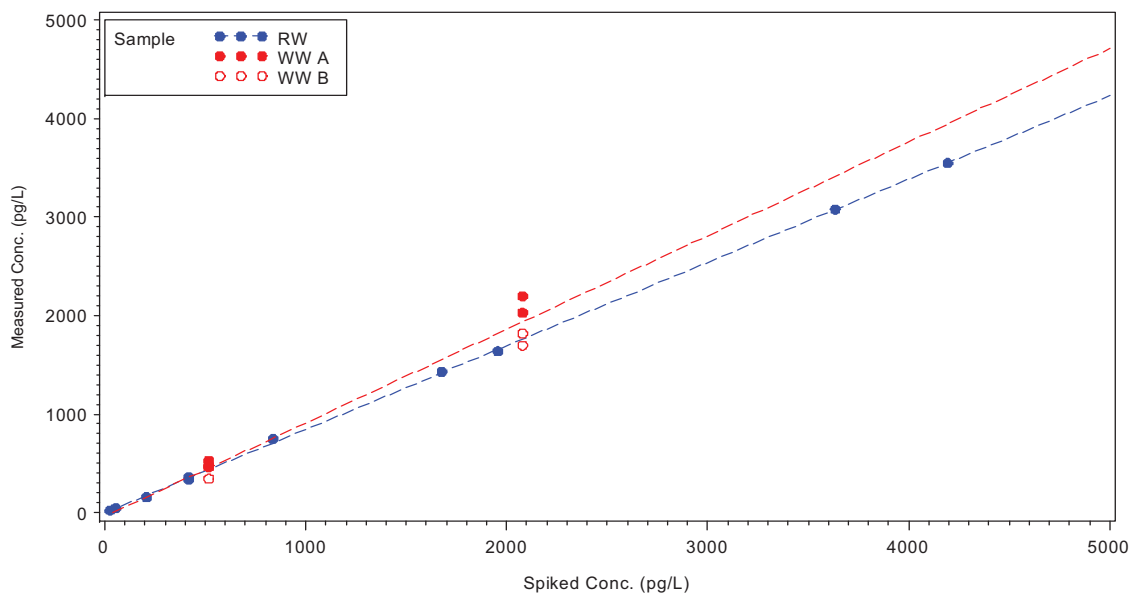
ANCOVA results
RW slope= 0.885 WW slope= 0.707 p-value=0.0515

Reagent Water and Waste Water Results vs. Spiked Concentration for Lab 3
PCB 201



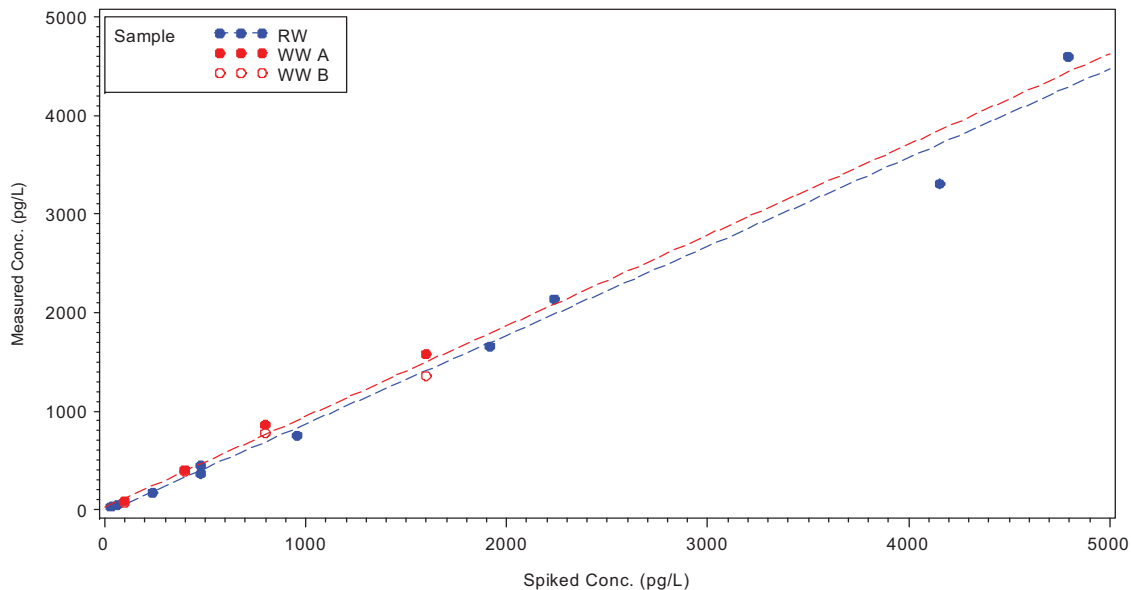
ANCOVA results
RW slope= 0.764 WW slope= 0.873 p-value=0.0739

Reagent Water and Waste Water Results vs. Spiked Concentration for Lab 3
PCB 202



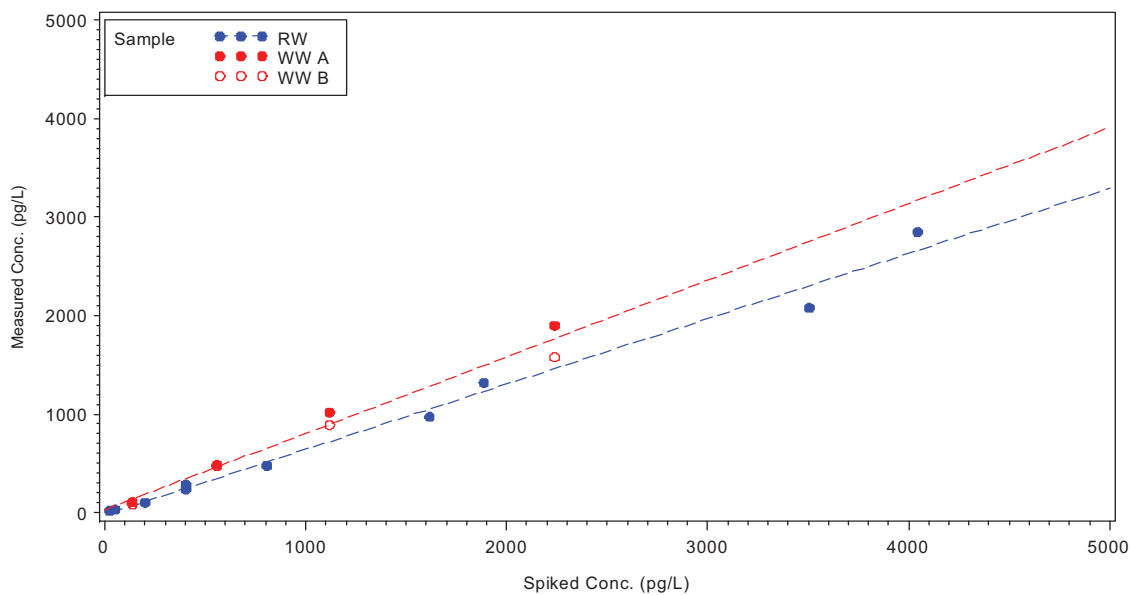
ANCOVA results
RW slope= 0.847 WW slope= 0.951 p-value=0.0152

Reagent Water and Waste Water Results vs. Spiked Concentration for Lab 3
PCB 203



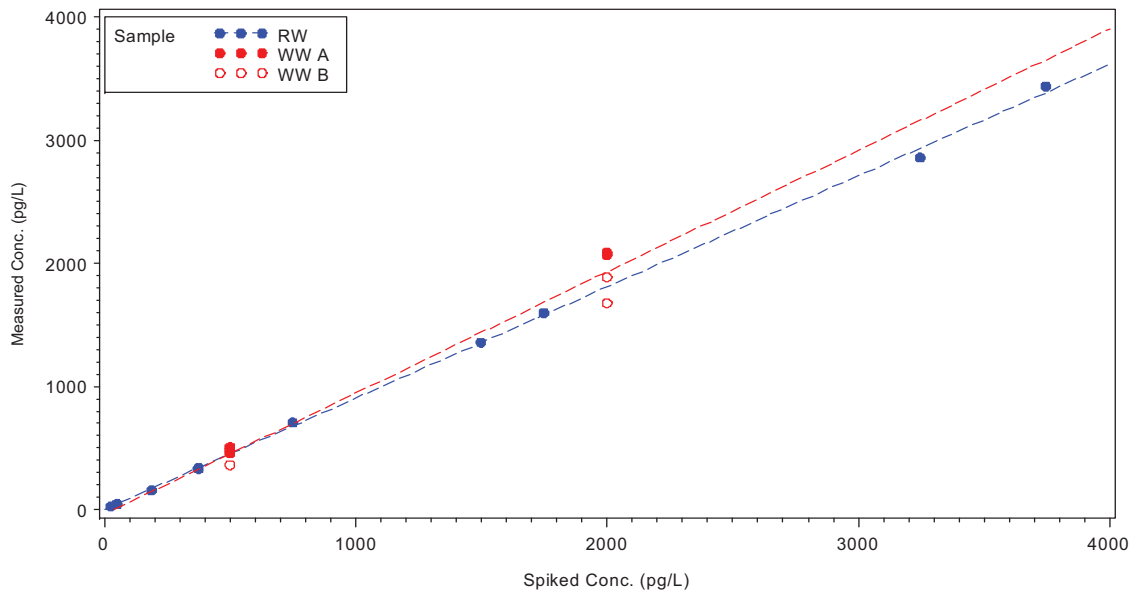
ANCOVA results
RW slope= 0.901 WW slope= 0.921 p-value=0.8526

Reagent Water and Waste Water Results vs. Spiked Concentration for Lab 3
PCB 204



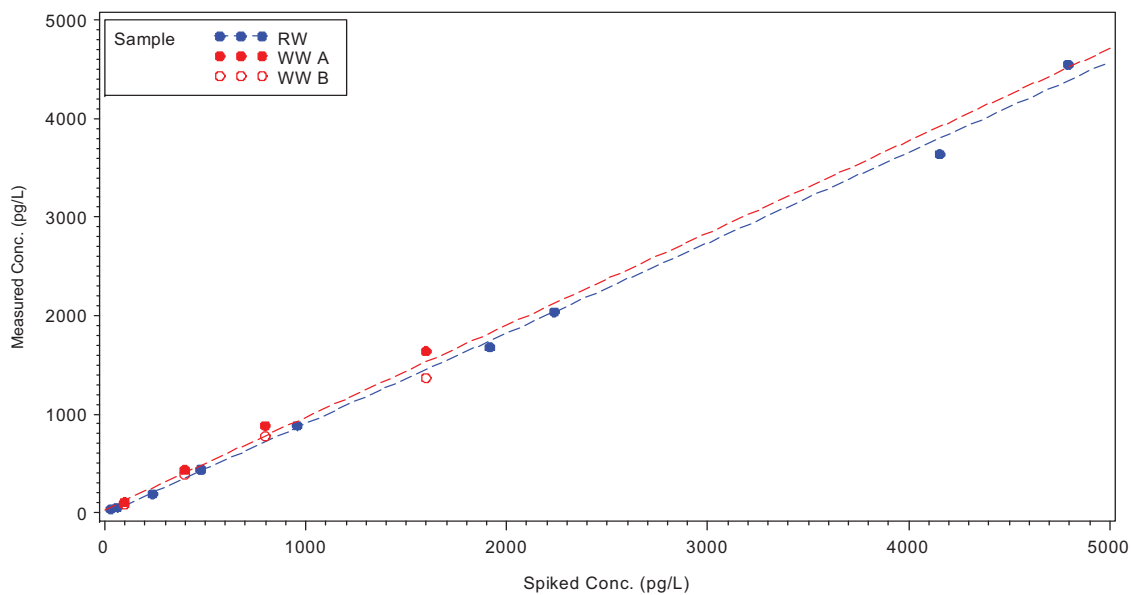
ANCOVA results
RW slope= 0.663 WW slope= 0.776 p-value=0.0540

Reagent Water and Waste Water Results vs. Spiked Concentration for Lab 3
PCB 205



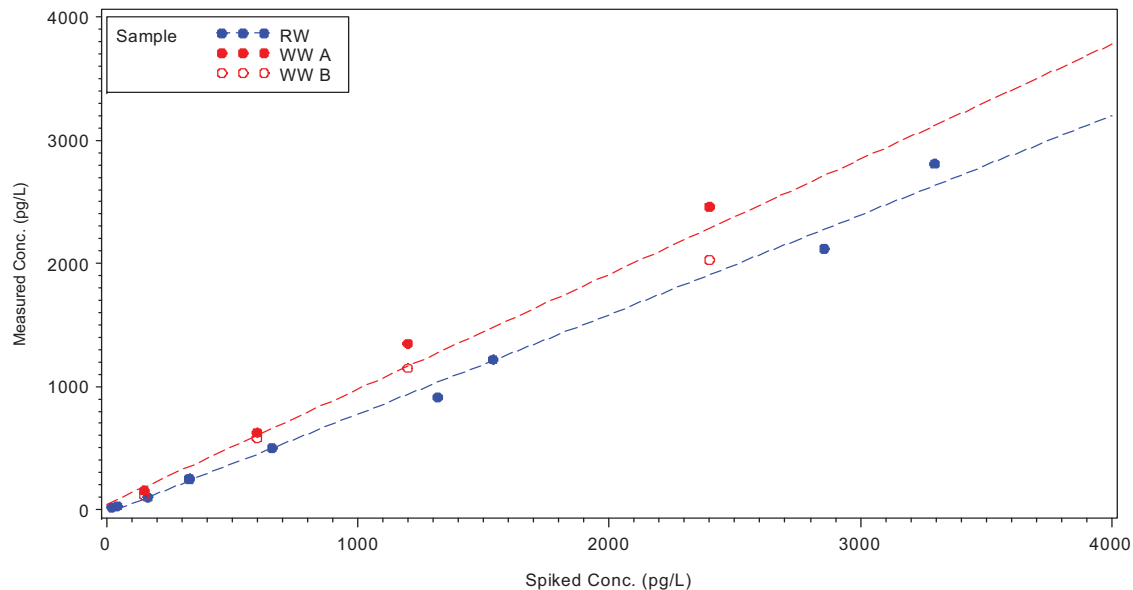
ANCOVA results
RW slope= 0.903 WW slope= 0.986 p-value=0.0535

Reagent Water and Waste Water Results vs. Spiked Concentration for Lab 3
PCB 206



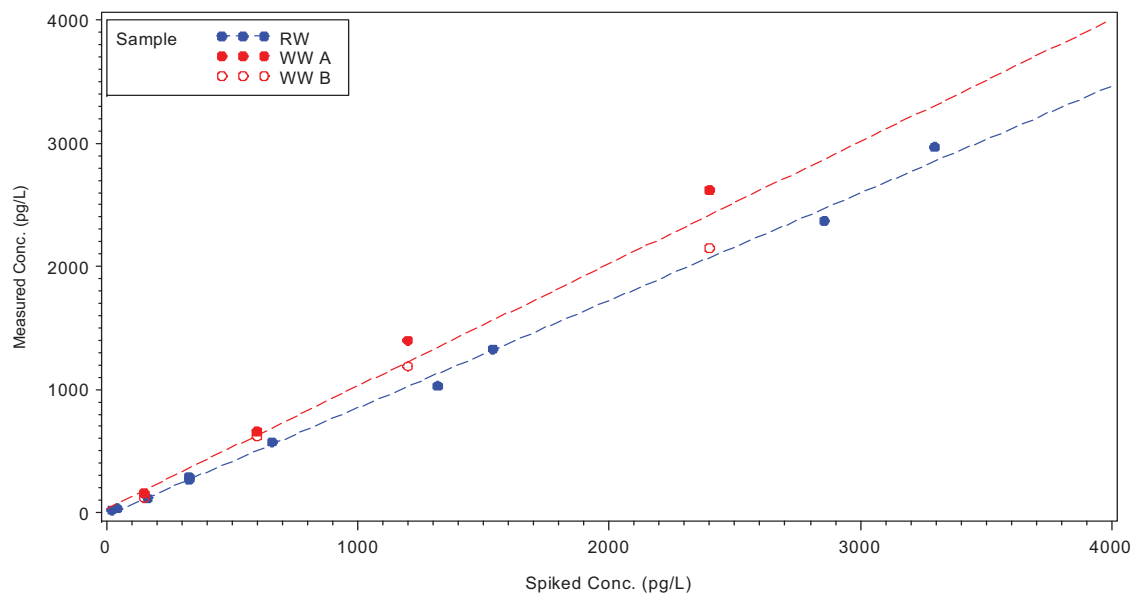
ANCOVA results
RW slope= 0.919 WW slope= 0.936 p-value=0.7516

Reagent Water and Waste Water Results vs. Spiked Concentration for Lab 3
PCB 207



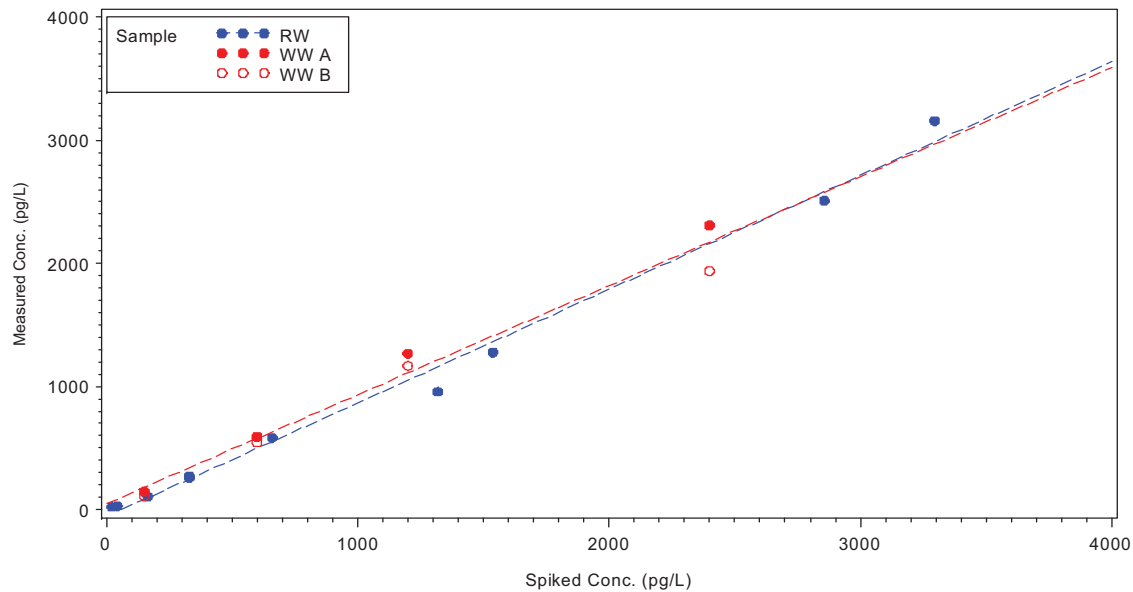
ANCOVA results
RW slope= 0.808 WW slope= 0.934 p-value=0.0356

Reagent Water and Waste Water Results vs. Spiked Concentration for Lab 3
PCB 208



ANCOVA results
RW slope= 0.871 WW slope= 0.993 p-value=0.0231

Reagent Water and Waste Water Results vs. Spiked Concentration for Lab 3
PCB 209



ANCOVA results
RW slope= 0.924 WW slope= 0.885 p-value=0.5093

M

**CALCULATED EMDL RESULTS FROM HISTORICAL
METHOD BLANK DATA AND REAGENT WATER STUDY**

LAB 1 METHOD BLANK DATA	pg PCB/L water												Avg.	Std. dev.	Std. dev x 2	EMDL
IUPAC	MB1	MB2	MB3	MB4	MB5	MB6	MB7	MB8	MB9	MB10	MB11	MB12				
1	1.5	0.8	0.4		7.4	1.0		1.2					2.0	2.6	5.3	7
2													0.0	0.0	0.0	0
3	1.0	1.2			6.7		2.0	1.8	1.5		1.5		2.3	2.0	4.0	6
6													0.0	0.0	0.0	0
11											10.7	14.0	12.4	2.3	4.7	17
14													0.0	0.0	0.0	0
15		3.7			98.9								51.3	67.3	134.6	186
17													0.0	0.0	0.0	0
18	5.6	2.2	1.7	2.3	27.4	3.7			6.9		11.1		7.6	8.6	17.2	25
19													0.0	0.0	0.0	0
22													0.0	0.0	0.0	0
23													0.0	0.0	0.0	0
25													0.0	0.0	0.0	0
26													0.0	0.0	0.0	0
28	4.6	3.4	5.9	2.3	21.3	4.7	0.8	5.3	8.5		9.9		6.7	5.8	11.6	18
29													0.0	0.0	0.0	0
30													0.0	0.0	0.0	0
31	2.9	3.6	6.1	4.4	21.1	3.6	2.3	4.6	8.2		9.3		6.6	5.6	11.2	18
34													0.0	0.0	0.0	0
35													0.0	0.0	0.0	0
36													0.0	0.0	0.0	0
37	1.7	2.3		1.7	10.0				2.4		2.7		3.4	3.2	6.5	10
38													0.0	0.0	0.0	0
39													0.0	0.0	0.0	0
40											2.7		2.7	0.0	0.0	3
42											6.1		6.1	0.0	0.0	6

LAB 1 METHOD BLANK DATA	pg PCB/L water												Avg.	Std. dev.	Std. dev x 2	EMDL
IUPAC	MB1	MB2	MB3	MB4	MB5	MB6	MB7	MB8	MB9	MB10	MB11	MB12				
44	4.8	4.7	4.9	6.8	12.5	4.6	3.6	8.7	17.3	8.5	17.4	8.5	8.5	4.8	9.6	18
45											5.0		5.0	0.0	0.0	5
46											1.0		1.0	0.0	0.0	1
50													0.0	0.0	0.0	0
53											2.0		2.0	0.0	0.0	2
54	0.4		0.5		7.7								2.9	4.2	8.4	11
55													0.0	0.0	0.0	0
57													0.0	0.0	0.0	0
58											0.6		0.6	0.0	0.0	1
59											3.9		3.9	0.0	0.0	4
62													0.0	0.0	0.0	0
63													0.0	0.0	0.0	0
65													0.0	0.0	0.0	0
67													0.0	0.0	0.0	0
69											18.3		18.3	0.0	0.0	18
70											10.3	8.0	9.2	1.6	3.3	12
71											4.4		4.4	0.0	0.0	4
72												0.3	0.3	0.0	0.0	0
76											10.3		10.3	0.0	0.0	10
77	1.2	1.3	0.3			0.8	1.6		0.6		0.6		0.9	0.5	0.9	2
78													0.0	0.0	0.0	0
79											0.9		0.9	0.0	0.0	1
81			0.0		0.7	0.5			0.1		0.1		0.3	0.3	0.6	1
84											3.5		3.5	0.0	0.0	4
91											1.6		1.6	0.0	0.0	2
92											2.5		2.5	0.0	0.0	3

LAB 1 METHOD BLANK DATA	pg PCB/L water												Avg.	Std. dev.	Std. dev x 2	EMDL
IUPAC	MB1	MB2	MB3	MB4	MB5	MB6	MB7	MB8	MB9	MB10	MB11	MB12				
94													0.0	0.0	0.0	0
96													0.0	0.0	0.0	0
99											7.7	3.8	5.8	2.8	5.5	11
100											0.3		0.3	0.0	0.0	0
103													0.0	0.0	0.0	0
104			0.1		0.8	1.3		0.3	1.0		1.0		0.8	0.5	0.9	2
110											9.7		9.7	0.0	0.0	10
112													0.0	0.0	0.0	0
113													0.0	0.0	0.0	0
114	0.6						1.1	0.2					0.6	0.5	1.0	2
122													0.0	0.0	0.0	0
123	0.9							0.4					0.7	0.4	0.7	1
124													0.0	0.0	0.0	0
126			0.5										0.5	0.0	0.0	1
128	0.7	2.9	1.6		1.8	0.4		1.5	1.3	3.9	1.9	4.9	2.1	1.4	2.8	5
129													0.0	0.0	0.0	0
130											1.8		1.8	0.0	0.0	2
133											0.7		0.7	0.0	0.0	1
134											0.8		0.8	0.0	0.0	1
136											1.5	3.8	2.7	1.6	3.3	6
137	1.0		0.2			0.5		0.7					0.6	0.3	0.7	1
140											0.2	1.9	1.1	1.2	2.4	3
141											2.5		2.5	0.0	0.0	3
143													0.0	0.0	0.0	0
145											0.4		0.4	0.0	0.0	0
146											2.7		2.7	0.0	0.0	3

LAB 1 METHOD BLANK DATA	pg PCB/L water												Avg.	Std. dev.	Std. dev x 2	EMDL
IUPAC	MB1	MB2	MB3	MB4	MB5	MB6	MB7	MB8	MB9	MB10	MB11	MB12				
148													0.0	0.0	0.0	0
150													0.0	0.0	0.0	0
151													0.0	0.0	0.0	0
152													0.0	0.0	0.0	0
153	5.0	7.3	4.5	3.0	7.7	2.2	4.0	8.5	5.6	21.9	8.3	30.8	9.1	8.5	17.1	26
154											0.3		0.3	0.0	0.0	0
155	0.9		0.0				0.3	0.6			0.3		0.4	0.3	0.6	1
156	0.5		1.1		0.9	0.6	1.1	1.3	0.5		0.6		0.8	0.3	0.6	1
157	0.4		0.4		0.4	0.4		0.5					0.4	0.0	0.1	1
159													0.0	0.0	0.0	0
161													0.0	0.0	0.0	0
162													0.0	0.0	0.0	0
166											1.0		1.0	0.0	0.0	1
167	1.1	1.9			2.1	0.5			0.3	1.3	0.4	1.8	1.2	0.7	1.4	3
169	0.2		0.9		0.8	1.3	2.4	1.5					1.2	0.8	1.5	3
171													0.0	0.0	0.0	0
173											0.6		0.6	0.0	0.0	1
174												18.2	18.2	0.0	0.0	18
175													0.0	0.0	0.0	0
176													0.0	0.0	0.0	0
177													0.0	0.0	0.0	0
178													0.0	0.0	0.0	0
179													0.0	0.0	0.0	0
180	4.3	4.2	12.1	5.0	5.0	3.8	3.9	6.7	7.2	41.2	8.7	49.3	12.6	15.5	31.1	44
181												18.2	18.2	0.0	0.0	18
183												10.7	10.7	0.0	0.0	11

LAB 1 METHOD BLANK DATA	pg PCB/L water												Avg.	Std. dev.	Std. dev x 2	EMDL
IUPAC	MB1	MB2	MB3	MB4	MB5	MB6	MB7	MB8	MB9	MB10	MB11	MB12				
184													0.0	0.0	0.0	0
185													0.0	0.0	0.0	0
186													0.0	0.0	0.0	0
188													0.0	0.0	0.0	0
189	0.8												0.8	0.0	0.0	1
191													0.0	0.0	0.0	0
193													0.0	0.0	0.0	0
194	0.7		6.3	1.8	2.4	1.1			1.4	24.9	1.6	27.3	7.5	10.7	21.4	29
195			1.2		1.4			1.1	1.6			1.5	1.4	0.2	0.5	2
197													0.0	0.0	0.0	0
198													0.0	0.0	0.0	0
199												27.0	27.0	0.0	0.0	27
200													0.0	0.0	0.0	0
201													0.0	0.0	0.0	0
202	0.6		1.1			0.3	0.2			2.2		2.8	1.2	1.1	2.1	3
204													0.0	0.0	0.0	0
205											0.3	1.4	0.8	0.8	1.5	2
206	0.9		2.2	0.4	0.2	0.8	0.8	0.6	0.4	9.8	0.4	11.3	2.5	4.0	8.0	11
207											0.0		0.0	0.0	0.0	0
208	0.5		0.4	0.8	0.2	0.5		0.4	0.1	2.9		0.2	0.7	0.9	1.7	2
209	1.5	0.9	0.8	2.0	1.6	1.3	1.1	2.8	1.1	4.1	1.2	4.4	1.9	1.2	2.5	4
105+127	1.9	4.7	3.0		3.7	2.4	4.6	3.8	2.7		3.1		3.3	1.0	1.9	5
106+118	4.7	11.8		6.9	12.6	3.0	6.5	9.4	6.3	8.6	8.2	11.1	8.1	3.0	6.0	14
107+109													0.0	0.0	0.0	0
115+116											4.8	4.5	4.7	0.2	0.4	5
12+13													0.0	0.0	0.0	0

LAB 1 METHOD BLANK DATA	pg PCB/L water												Avg.	Std. dev.	Std. dev x 2	EMDL
IUPAC	MB1	MB2	MB3	MB4	MB5	MB6	MB7	MB8	MB9	MB10	MB11	MB12				
131+142+165											0.4		0.4	0.0	0.0	0
132+168											3.5		3.5	0.0	0.0	4
135+144											3.7		3.7	0.0	0.0	4
138 + 163 + 164	6.2	12.4	6.8	3.6	11.1	3.4	3.3	11.4	7.3	9.1	9.4	11.2	7.9	3.3	6.7	15
139+149											9.1	22.8	16.0	9.7	19.4	35
158+160											0.8		0.8	0.0	0.0	1
16+32													0.0	0.0	0.0	0
170+190	1.3	1.0	2.3							6.3		8.0	3.8	3.2	6.3	10
172+192													0.0	0.0	0.0	0
182+187	2.4	0.9	4.7			0.9				13.6		19.8	7.0	7.8	15.7	23
196+203													0.0	0.0	0.0	0
20+21+33													0.0	0.0	0.0	0
24+27													0.0	0.0	0.0	0
4+10					112.0					9.1		14.5	45.2	57.9	115.8	161
41+64+68											6.8		6.8	0.0	0.0	7
43+49											13.9	4.7	9.3	6.5	13.0	22
47+48+75	4.7	2.5	106.0	1.5	56.7	1.6	1.1	1.7	3.0		3.4		18.2	35.3	70.5	89
5+8		5.7								23.0		19.0	15.9	9.0	18.0	34
52+73	10.0	7.1	5.4	11.4	50.6	5.7	3.4	21.7	23.1	9.2	20.5	8.4	14.7	13.1	26.3	41
56+60											4.3		4.3	0.0	0.0	4
61+74											3.0		3.0	0.0	0.0	3
66+80	2.9	3.8	1.8	5.1	6.7	3.0	1.5	5.7	6.6	7.1	7.3	7.9	4.9	2.3	4.5	9
7+9													0.0	0.0	0.0	0
83+108													0.0	0.0	0.0	0
85+120													0.0	0.0	0.0	0
86+97+111+125											4.7		4.7	0.0	0.0	5

LAB 1 METHOD BLANK DATA	pg PCB/L water												Avg.	Std. dev.	Std. dev x 2	EMDL
	MB1	MB2	MB3	MB4	MB5	MB6	MB7	MB8	MB9	MB10	MB11	MB12				
IUPAC																
87+117												6.5	6.5	0.0	0.0	7
88+121											0.6		0.6	0.0	0.0	1
89+90+101	7.5	11.8	7.5	10.0	20.3	6.3	8.5	16.6	11.9	10.8	16.2	14.4	11.8	4.3	8.6	20
93+95											16.7	12.0	14.4	3.3	6.6	21
97+86+125+111											4.7		4.7	0.0	0.0	5
98+102													0.0	0.0	0.0	0

LAB 2 METHOD BLANK DATA	pg PCB/L water												Avg.	Std. dev.	Std. dev x 2	EMDL
IUPAC	MB1	MB2	MB3	MB4	MB5	MB6	MB7	MB8	MB9	MB10	MB11	MB12				
1						11.0		8.0	10.8			9.2	9.8	1.4	2.8	13
2													0.0	0.0	0.0	0
3					8.5						5.8	5.1	6.5	1.8	3.6	10
4			42.8	41.2				48.6	42.4	12.8		37.6	37.6	12.6	25.3	63
5													0.0	0.0	0.0	0
6													0.0	0.0	0.0	0
7										10.9			10.9	0.0	0.0	11
8	46.4	39.6	31.6	40.8	48.8	27.6	50.0	39.6	37.2	27.8	27.4	31.8	37.4	8.2	16.5	54
9		28.4								9.8		9.7	16.0	10.8	21.5	37
10													0.0	0.0	0.0	0
11	31.4		24.6		41.0	42.6	37.0	30.0	29.0	19.0	23.0	38.8	31.6	8.0	16.1	48
14													0.0	0.0	0.0	0
15		25.0	16.7	19.9	24.0	22.2	17.7	20.0		14.4	21.6		20.2	3.5	6.9	27
16								11.0					11.0	0.0	0.0	11
17	23.0							12.0	13.4	12.4			15.2	5.2	10.5	26
19													0.0	0.0	0.0	0
22	11.0		9.1				8.9	4.5		5.9	5.1	6.6	7.3	2.4	4.8	12
23													0.0	0.0	0.0	0
25													0.0	0.0	0.0	0
26													0.0	0.0	0.0	0
27													0.0	0.0	0.0	0
29													0.0	0.0	0.0	0
31	22.0	24.0		15.0	15.0	16.5		14.0	12.0	13.4	13.3	12.5	15.8	4.1	8.1	24
32										5.2			5.2	0.0	0.0	5
34													0.0	0.0	0.0	0

LAB 2 METHOD BLANK DATA	pg PCB/L water												Avg.	Std. dev.	Std. dev x 2	EMDL
IUPAC	MB1	MB2	MB3	MB4	MB5	MB6	MB7	MB8	MB9	MB10	MB11	MB12				
35													0.0	0.0	0.0	0
36													0.0	0.0	0.0	0
37													0.0	0.0	0.0	0
38													0.0	0.0	0.0	0
39													0.0	0.0	0.0	0
40													0.0	0.0	0.0	0
41													0.0	0.0	0.0	0
42													0.0	0.0	0.0	0
43													0.0	0.0	0.0	0
45													0.0	0.0	0.0	0
46													0.0	0.0	0.0	0
48													0.0	0.0	0.0	0
49								5.1	6.5	5.1			5.6	0.8	1.6	7
50								4.6	3.5			3.4	3.8	0.7	1.3	5
51													0.0	0.0	0.0	0
52		17.5	7.7			6.1		9.2	11.3	9.6	9.4	9.8	10.1	3.4	6.7	17
53								4.6	3.5			3.4	3.8	0.7	1.3	5
54													0.0	0.0	0.0	0
55													0.0	0.0	0.0	0
56													0.0	0.0	0.0	0
57													0.0	0.0	0.0	0
58													0.0	0.0	0.0	0
59													0.0	0.0	0.0	0
60													0.0	0.0	0.0	0
62													0.0	0.0	0.0	0
63													0.0	0.0	0.0	0

LAB 2 METHOD BLANK DATA	pg PCB/L water												Avg.	Std. dev.	Std. dev x 2	EMDL
IUPAC	MB1	MB2	MB3	MB4	MB5	MB6	MB7	MB8	MB9	MB10	MB11	MB12				
64													0.0	0.0	0.0	0
66	13.0								3.8			5.1	7.3	5.0	10.0	17
67													0.0	0.0	0.0	0
68													0.0	0.0	0.0	0
69								5.1	6.5	5.1			5.6	0.8	1.6	7
71													0.0	0.0	0.0	0
72													0.0	0.0	0.0	0
73													0.0	0.0	0.0	0
75													0.0	0.0	0.0	0
77													0.0	0.0	0.0	0
78													0.0	0.0	0.0	0
79													0.0	0.0	0.0	0
80													0.0	0.0	0.0	0
81													0.0	0.0	0.0	0
82													0.0	0.0	0.0	0
83													0.0	0.0	0.0	0
84													0.0	0.0	0.0	0
85													0.0	0.0	0.0	0
88													0.0	0.0	0.0	0
89													0.0	0.0	0.0	0
91													0.0	0.0	0.0	0
92													0.0	0.0	0.0	0
93													0.0	0.0	0.0	0
94													0.0	0.0	0.0	0
95		27.0	15.4					6.8	5.3	8.5		10.0	12.2	8.1	16.1	28
96													0.0	0.0	0.0	0

LAB 2 METHOD BLANK DATA	pg PCB/L water												Avg.	Std. dev.	Std. dev x 2	EMDL
IUPAC	MB1	MB2	MB3	MB4	MB5	MB6	MB7	MB8	MB9	MB10	MB11	MB12				
98													0.0	0.0	0.0	0
99													0.0	0.0	0.0	0
100													0.0	0.0	0.0	0
102													0.0	0.0	0.0	0
103													0.0	0.0	0.0	0
104													0.0	0.0	0.0	0
105													0.0	0.0	0.0	0
106													0.0	0.0	0.0	0
107													0.0	0.0	0.0	0
108													0.0	0.0	0.0	0
111													0.0	0.0	0.0	0
112													0.0	0.0	0.0	0
114													0.0	0.0	0.0	0
116													0.0	0.0	0.0	0
117													0.0	0.0	0.0	0
118	17.6		3.4						4.8			3.0	7.2	7.0	14.0	21
120													0.0	0.0	0.0	0
121													0.0	0.0	0.0	0
122													0.0	0.0	0.0	0
123													0.0	0.0	0.0	0
124													0.0	0.0	0.0	0
126													0.0	0.0	0.0	0
127													0.0	0.0	0.0	0
128													0.0	0.0	0.0	0
130													0.0	0.0	0.0	0
131													0.0	0.0	0.0	0

LAB 2 METHOD BLANK DATA	pg PCB/L water												Avg.	Std. dev.	Std. dev x 2	EMDL	
	IUPAC	MB1	MB2	MB3	MB4	MB5	MB6	MB7	MB8	MB9	MB10	MB11					MB12
132														0.0	0.0	0.0	0
133														0.0	0.0	0.0	0
134														0.0	0.0	0.0	0
135														0.0	0.0	0.0	0
136														0.0	0.0	0.0	0
137														0.0	0.0	0.0	0
139														0.0	0.0	0.0	0
140														0.0	0.0	0.0	0
141														0.0	0.0	0.0	0
142														0.0	0.0	0.0	0
143														0.0	0.0	0.0	0
144														0.0	0.0	0.0	0
145														0.0	0.0	0.0	0
146														0.0	0.0	0.0	0
148														0.0	0.0	0.0	0
150														0.0	0.0	0.0	0
151														0.0	0.0	0.0	0
152														0.0	0.0	0.0	0
154														0.0	0.0	0.0	0
155														0.0	0.0	0.0	0
156														0.0	0.0	0.0	0
157														0.0	0.0	0.0	0
158														0.0	0.0	0.0	0
159														0.0	0.0	0.0	0
160														0.0	0.0	0.0	0
161														0.0	0.0	0.0	0

LAB 2 METHOD BLANK DATA	pg PCB/L water												Avg.	Std. dev.	Std. dev x 2	EMDL
IUPAC	MB1	MB2	MB3	MB4	MB5	MB6	MB7	MB8	MB9	MB10	MB11	MB12				
162													0.0	0.0	0.0	0
164													0.0	0.0	0.0	0
165													0.0	0.0	0.0	0
166													0.0	0.0	0.0	0
167													0.0	0.0	0.0	0
169													0.0	0.0	0.0	0
170													0.0	0.0	0.0	0
171													0.0	0.0	0.0	0
172													0.0	0.0	0.0	0
173													0.0	0.0	0.0	0
174									2.6				2.6	0.0	0.0	3
175													0.0	0.0	0.0	0
176													0.0	0.0	0.0	0
177													0.0	0.0	0.0	0
178													0.0	0.0	0.0	0
179													0.0	0.0	0.0	0
181													0.0	0.0	0.0	0
182													0.0	0.0	0.0	0
183													0.0	0.0	0.0	0
184													0.0	0.0	0.0	0
185													0.0	0.0	0.0	0
186													0.0	0.0	0.0	0
187	10.7												10.7	0.0	0.0	11
188													0.0	0.0	0.0	0
189													0.0	0.0	0.0	0
190													0.0	0.0	0.0	0

LAB 2 METHOD BLANK DATA	pg PCB/L water												Avg.	Std. dev.	Std. dev x 2	EMDL
IUPAC	MB1	MB2	MB3	MB4	MB5	MB6	MB7	MB8	MB9	MB10	MB11	MB12				
191													0.0	0.0	0.0	0
192													0.0	0.0	0.0	0
194													0.0	0.0	0.0	0
195													0.0	0.0	0.0	0
196													0.0	0.0	0.0	0
197													0.0	0.0	0.0	0
198													0.0	0.0	0.0	0
199													0.0	0.0	0.0	0
200													0.0	0.0	0.0	0
201													0.0	0.0	0.0	0
202													0.0	0.0	0.0	0
203													0.0	0.0	0.0	0
204													0.0	0.0	0.0	0
205													0.0	0.0	0.0	0
206													0.0	0.0	0.0	0
207													0.0	0.0	0.0	0
208													0.0	0.0	0.0	0
209													0.0	0.0	0.0	0
110+115													0.0	0.0	0.0	0
12+13				36.6	44.8	31.0		14.0	41.0	24.0	15.0	19.5	28.2	11.9	23.7	52
129+138+163	16.2	31.6						7.4			6.1	4.7	13.2	11.2	22.4	36
147+149									4.3	5.8	4.2		4.8	0.9	1.8	7
153 + 168							7.0	3.5			5.1	3.5	4.8	1.7	3.4	8
18+30	32.6	46.6	27.4		36.6		30.6	23.2	29.2	22.6	21.6	27.0	29.7	7.6	15.1	45
180 + 193	6.2									2.3			4.3	2.8	5.5	10
20+28	35.2	32.4	23.6	15.8	15.2	18.9	18.6	18.0	17.1	13.9	15.8	13.9	19.9	7.0	14.1	34

LAB 2 METHOD BLANK DATA	pg PCB/L water												Avg.	Std. dev.	Std. dev x 2	EMDL
IUPAC	MB1	MB2	MB3	MB4	MB5	MB6	MB7	MB8	MB9	MB10	MB11	MB12				
21+33	22.0	19.0		9.3				12.2	9.1	6.5	11.0	8.6	12.2	5.4	10.9	23
44+47+65													0.0	0.0	0.0	0
61+70+74+76													0.0	0.0	0.0	0
86+87+97+109+119+125	27.0	16.0										7.1	16.7	10.0	19.9	37
90+101+113	21.0	19.8						6.8		7.4		6.8	12.4	7.3	14.7	27

LAB 3 METHOD BLANK DATA	pg PCB/L water										Avg.	Std. dev.	Std. dev x 2	EMDL
IUPAC	MB1	MB2	MB3	MB4	MB5	MB6	MB7	MB8	MB9	MB10				
1					8.4				4.8	4.6	5.9	2.1	4.2	10
2					4.8				2.2	2.1	3.0	1.5	3.0	6
3	5.2				6.7					4.1	5.3	1.3	2.6	8
4									21.3	17.4	19.3	2.8	5.6	25
5									43.4		43.4			43
6										11.2	11.2			11
7														0
8					27.4					39.8	33.6	8.7	17.5	51
9														0
10														0
11					52.9				79.5	16.5	49.6	31.6	63.2	113
14														0
15					21.0				21.0	23.5	21.8	1.4	2.8	25
16	1.6				11.1				17.3	13.0	10.7	6.6	13.2	24
17	1.6				1.8				11.2	14.0	7.1	6.4	12.8	20
19									3.8	4.1	4.0	0.2	0.4	4
22	17.2				19.8				14.4	22.9	18.6	3.7	7.3	26
23														0
24														0
25					4.2				2.4	8.3	5.0	3.0	6.0	11
27									1.9	2.4	2.1	0.4	0.7	3
31	34.2			11.2	42.9	10.2		16.9	32.4	57.7	29.4	17.6	35.3	65
32	6.3				8.2				7.2	9.3	7.8	1.3	2.6	10
34														0
35									2.0	7.7	4.8	4.0	8.1	13

LAB 3 METHOD BLANK DATA	pg PCB/L water										Avg.	Std. dev.	Std. dev x 2	EMDL
IUPAC	MB1	MB2	MB3	MB4	MB5	MB6	MB7	MB8	MB9	MB10				
36														0
37	9.4				17.1	8.5		5.7	13.9	15.4	11.7	4.5	8.9	21
38														0
39														0
42	5.8				9.6				5.4	11.9	8.2	3.1	6.2	14
43														0
46									1.2	2.3	1.8	0.8	1.5	3
48					7.9					8.0	8.0	0.0	0.0	8
52	31.3			7.2	43.3		16.2	22.0	25.2	57.8	29.0	17.0	34.1	63
54														0
55														0
56				2.5	13.7				6.8	17.5	10.1	6.7	13.5	24
57														0
58														0
60					9.2				4.0	11.1	8.1	3.7	7.4	15
63														0
64	8.3			3.0	16.3				1.2	19.5	9.7	8.1	16.1	26
66	21.4			5.2	28.0			5.9	12.8	35.2	18.1	12.2	24.4	42
67														0
68									5.6		5.6			6
72														0
73														0
77				2.6	3.2				1.7	3.8	2.8	0.9	1.8	5
78														0
79														0
80														0

LAB 3 METHOD BLANK DATA	pg PCB/L water										Avg.	Std. dev.	Std. dev x 2	EMDL	
IUPAC	MB1	MB2	MB3	MB4	MB5	MB6	MB7	MB8	MB9	MB10					
81															0
82									1.5	5.7	3.6	2.9	5.9	10	
84					13.3			5.5	3.8	12.9	8.9	4.9	9.8	19	
89														0	
92	13.1				13.1				3.9	13.5	10.9	4.7	9.3	20	
94														0	
95	67.3	57.2		13.3	71.3	23.9		34.5	21.8	64.5	44.2	23.3	46.7	91	
96														0	
103														0	
104														0	
105	9.3				11.6				3.5	12.7	9.3	4.1	8.2	17	
106														0	
107										2.3	2.3			2	
111														0	
112														0	
114														0	
118	34.6			10.0	37.4			13.3	11.0	41.2	24.6	14.6	29.2	54	
120														0	
121														0	
122														0	
123														0	
126														0	
127														0	
130										5.9	5.9			6	
131														0	
132	65.8			8.6	48.8			18.3	7.7	39.7	31.5	23.7	47.4	79	

LAB 3 METHOD BLANK DATA	pg PCB/L water										Avg.	Std. dev.	Std. dev x 2	EMDL
IUPAC	MB1	MB2	MB3	MB4	MB5	MB6	MB7	MB8	MB9	MB10				
133														0
136	32.7			5.0	27.9		5.9	11.0	5.5	23.9	16.0	11.8	23.7	40
137														0
141	67.6				34.4				6.5	35.2	35.9	25.0	50.0	86
142														0
144	17.7			2.3	13.8				2.2	1.1	7.4	7.7	15.5	23
145														0
146	47.2				17.0			6.7		19.0	22.5	17.4	34.7	57
148														0
150														0
152														0
154														0
155														0
158					11.5				2.5	11.1	8.4	5.1	10.2	19
159														0
160														0
161														0
162														0
164									1.9		1.9			2
165														0
167					2.7				1.1	4.3	2.7	1.6	3.2	6
169														0
170	102.0			8.7	27.7			16.3	6.3	31.4	32.0	35.7	71.4	103
172	3.3							4.2		7.6	5.0	2.3	4.5	10
174	157.0			8.2	36.8			18.3		42.8	52.6	60.0	120.0	173
175														0

LAB 3 METHOD BLANK DATA	pg PCB/L water										Avg.	Std. dev.	Std. dev x 2	EMDL
IUPAC	MB1	MB2	MB3	MB4	MB5	MB6	MB7	MB8	MB9	MB10				
176	21.9				7.1			3.2	1.4	7.2	8.2	8.1	16.2	24
177	89.5				19.8			1.3	4.1	22.9	27.5	35.9	71.8	99
178					8.8				1.6	9.3	6.5	4.3	8.6	15
179	73.7			4.2	24.9		6.1		3.9	22.7	22.6	26.7	53.5	76
181														0
182	248.6										248.6			249
183	125.8			6.2	22.7			12.4	4.5	28.5	33.4	46.2	92.5	126
184														0
185									6.9		6.9			7
186														0
187				9.5	45.9		11.9	17.3	7.7	54.6	24.5	20.4	40.8	65
188														0
189	4.8								0.8		2.8	2.8	5.7	8
190					4.5					7.1	5.8	1.9	3.7	10
191														0
192														0
194	69.7			3.9	7.7				2.8	13.2	19.4	28.4	56.7	76
195					4.5					5.6	5.1	0.7	1.5	7
196	5.9				5.4				1.4	7.4	5.1	2.6	5.1	10
197	5.0									0.9	2.9	2.9	5.8	9
200					1.7					2.2	1.9	0.3	0.7	3
201	14.6				2.8					2.0	6.4	7.0	14.1	21
202	21.3				2.9					3.1	9.1	10.5	21.0	30
203	59.4				6.9				1.5	8.6	19.1	27.0	54.1	73
204														0
205									0.5		0.5			1

LAB 3 METHOD BLANK DATA	pg PCB/L water										Avg.	Std. dev.	Std. dev x 2	EMDL
	IUPAC	MB1	MB2	MB3	MB4	MB5	MB6	MB7	MB8	MB9	MB10			
	206	16.4										16.4		16
	207													0
	208													0
	209					3.0	48.4			5.3	3.0	14.9	22.3	44.7
	108+124													0
	110+115	5.3			13.4	68.6	21.6		21.7	17.1	68.8	30.9	26.4	52.7
	12+13													0
	128+166					9.7				1.9	10.4	7.3	4.7	9.5
	129+138+163	143.0	39.2	30.7	27.1	136.0	34.0	30.8	49.4	24.0	125.3	64.0	49.5	99.0
	134+143									1.3	6.2	3.8	3.5	6.9
	135+151	141.1			14.6	83.0	16.0	19.1	24.2		73.0	53.0	48.1	96.2
	139+140													0
	147+149	268.7	57.4	25.8	25.8	151.0		39.8	52.2	25.3	135.3	86.8	83.0	165.9
	153+168	310.0	41.0		26.2	135.5	30.6	29.6	46.7	24.9	141.6	87.4	95.4	190.8
	156+157					7.6			6.4		9.5	7.8	1.6	3.1
	171+173	39.4				1.4			7.2	2.5	13.4	12.8	15.6	31.2
	18+30	21.0				19.1		11.2	13.2	24.2	27.2	19.3	6.2	12.4
	180+193	351.8			16.4	62.2	23.2		30.3	13.8	78.7	82.3	121.3	242.6
	198+199	72.2			3.7	10.4					13.3	24.9	31.8	63.6
	20+28	46.0			13.2	60.0	11.6	14.5	21.3	35.9	69.4	34.0	22.5	45.1
	21+33	21.4			7.5	26.3		9.2	11.6	21.0	31.6	18.4	9.2	18.3
	26+29					7.8			2.7	5.5	14.3	7.6	4.9	9.8
	40+41+71	11.2			3.6	18.3				12.4	22.5	13.6	7.2	14.5
	44+47+65	22.4			7.9	36.8		11.4		69.1	46.9	32.4	23.3	46.7
	45+51	4.3				5.2				8.3	6.5	6.1	1.7	3.4
	49+69				3.4	18.7				11.6	24.8	14.6	9.2	18.5

LAB 3 METHOD BLANK DATA	pg PCB/L water										Avg.	Std. dev.	Std. dev x 2	EMDL
	MB1	MB2	MB3	MB4	MB5	MB6	MB7	MB8	MB9	MB10				
IUPAC														
50+53					3.4				3.0	4.8	3.7	0.9	1.9	6
59+62+75					3.2				1.7	3.7	2.8	1.0	2.0	5
61+70+74+76	43.4	33.6		11.0	61.0		13.0	15.5	29.8	77.6	35.6	24.0	48.0	84
83+99	18.9				23.5			5.6	6.3	23.3	15.5	8.9	17.9	33
85+116+117				15.4				3.8	1.9	6.6	6.9	6.0	12.0	19
86+87+97+109+119+125	28.6				35.5			12.4	9.4	36.0	24.4	12.7	25.4	50
88+91									1.6	5.9	3.7	3.0	6.0	10
90+101+113	102.0	65.2			106.0	25.0	20.4	34.9	25.5	95.4	59.3	37.4	74.7	134
93+98+100+102														0

LAB 4 METHOD BLANK DATA IUPAC	pg PCB/L water										Avg.	Std. dev.	Std. dev x 2	EMDL
	MB1	MB2	MB3	MB4	MB5	MB6	MB7	MB8	MB9	MB10				
1	40.6		30.5	28.4	41.1	36.5	33.7	33.9		31.4	34.5	4.6	9.2	44
2											0.0	0.0	0.0	0
3											0.0	0.0	0.0	0
6											0.0	0.0	0.0	0
11											0.0	0.0	0.0	0
14											0.0	0.0	0.0	0
15											0.0	0.0	0.0	0
17											0.0	0.0	0.0	0
18						35.4					35.4	0.0	0.0	35
19											0.0	0.0	0.0	0
22											0.0	0.0	0.0	0
23											0.0	0.0	0.0	0
25											0.0	0.0	0.0	0
26											0.0	0.0	0.0	0
28											0.0	0.0	0.0	0
29											0.0	0.0	0.0	0
30											0.0	0.0	0.0	0
31											0.0	0.0	0.0	0
34											0.0	0.0	0.0	0
35											0.0	0.0	0.0	0
36											0.0	0.0	0.0	0
37											0.0	0.0	0.0	0
38											0.0	0.0	0.0	0
39											0.0	0.0	0.0	0
40											0.0	0.0	0.0	0
44											0.0	0.0	0.0	0
45											0.0	0.0	0.0	0
46											0.0	0.0	0.0	0
47											0.0	0.0	0.0	0
50											0.0	0.0	0.0	0
51											0.0	0.0	0.0	0
53											0.0	0.0	0.0	0

LAB 4 METHOD BLANK DATA	pg PCB/L water										Avg.	Std. dev.	Std. dev x 2	EMDL
IUPAC	MB1	MB2	MB3	MB4	MB5	MB6	MB7	MB8	MB9	MB10				
54											0.0	0.0	0.0	0
55											0.0	0.0	0.0	0
57											0.0	0.0	0.0	0
58											0.0	0.0	0.0	0
62											0.0	0.0	0.0	0
63											0.0	0.0	0.0	0
65											0.0	0.0	0.0	0
67											0.0	0.0	0.0	0
68											0.0	0.0	0.0	0
73											0.0	0.0	0.0	0
74											0.0	0.0	0.0	0
75											0.0	0.0	0.0	0
77			3.3			6.4					4.9	2.2	4.4	9
78											0.0	0.0	0.0	0
79											0.0	0.0	0.0	0
80											0.0	0.0	0.0	0
81						3.2					3.2	0.0	0.0	3
82											0.0	0.0	0.0	0
83											0.0	0.0	0.0	0
86											0.0	0.0	0.0	0
89											0.0	0.0	0.0	0
93											0.0	0.0	0.0	0
94											0.0	0.0	0.0	0
96											0.0	0.0	0.0	0
97											0.0	0.0	0.0	0
99											0.0	0.0	0.0	0
100											0.0	0.0	0.0	0
103											0.0	0.0	0.0	0
104											0.0	0.0	0.0	0
105						5.6					5.6	0.0	0.0	6
110											0.0	0.0	0.0	0
113											0.0	0.0	0.0	0
114											0.0	0.0	0.0	0

LAB 4 METHOD BLANK DATA	pg PCB/L water										Avg.	Std. dev.	Std. dev x 2	EMDL	
	IUPAC	MB1	MB2	MB3	MB4	MB5	MB6	MB7	MB8	MB9					MB10
119												0.0	0.0	0.0	0
120												0.0	0.0	0.0	0
121												0.0	0.0	0.0	0
122												0.0	0.0	0.0	0
123												0.0	0.0	0.0	0
124												0.0	0.0	0.0	0
126							5.3					5.3	0.0	0.0	5
127												0.0	0.0	0.0	0
129												0.0	0.0	0.0	0
130												0.0	0.0	0.0	0
131												0.0	0.0	0.0	0
135												0.0	0.0	0.0	0
136												0.0	0.0	0.0	0
137												0.0	0.0	0.0	0
140												0.0	0.0	0.0	0
141												0.0	0.0	0.0	0
144												0.0	0.0	0.0	0
145												0.0	0.0	0.0	0
147												0.0	0.0	0.0	0
148												0.0	0.0	0.0	0
150												0.0	0.0	0.0	0
151												0.0	0.0	0.0	0
152												0.0	0.0	0.0	0
153												0.0	0.0	0.0	0
154												0.0	0.0	0.0	0
155												0.0	0.0	0.0	0
156							4.7					4.7	0.0	0.0	5
157							4.7					4.7	0.0	0.0	5
159												0.0	0.0	0.0	0
166												0.0	0.0	0.0	0
167												0.0	0.0	0.0	0
168												0.0	0.0	0.0	0
169		6.7	8.9	5.7			7.8		6.6			7.1	1.3	2.5	10

LAB 4 METHOD BLANK DATA	pg PCB/L water										Avg.	Std. dev.	Std. dev x 2	EMDL	
	IUPAC	MB1	MB2	MB3	MB4	MB5	MB6	MB7	MB8	MB9					MB10
170												0.0	0.0	0.0	0
171												0.0	0.0	0.0	0
172												0.0	0.0	0.0	0
173												0.0	0.0	0.0	0
174												0.0	0.0	0.0	0
175												0.0	0.0	0.0	0
176												0.0	0.0	0.0	0
177												0.0	0.0	0.0	0
178												0.0	0.0	0.0	0
179												0.0	0.0	0.0	0
180												0.0	0.0	0.0	0
181												0.0	0.0	0.0	0
183												0.0	0.0	0.0	0
184												0.0	0.0	0.0	0
185												0.0	0.0	0.0	0
186												0.0	0.0	0.0	0
188												0.0	0.0	0.0	0
189			2.5									2.5	0.0	0.0	3
190												0.0	0.0	0.0	0
191												0.0	0.0	0.0	0
192												0.0	0.0	0.0	0
193												0.0	0.0	0.0	0
194												0.0	0.0	0.0	0
195												0.0	0.0	0.0	0
197												0.0	0.0	0.0	0
198												0.0	0.0	0.0	0
199												0.0	0.0	0.0	0
200												0.0	0.0	0.0	0
201												0.0	0.0	0.0	0
202												0.0	0.0	0.0	0
203												0.0	0.0	0.0	0
204												0.0	0.0	0.0	0
205												0.0	0.0	0.0	0

LAB 4 METHOD BLANK DATA	pg PCB/L water										Avg.	Std. dev.	Std. dev x 2	EMDL
IUPAC	MB1	MB2	MB3	MB4	MB5	MB6	MB7	MB8	MB9	MB10				
206											0.0	0.0	0.0	0
207											0.0	0.0	0.0	0
208											0.0	0.0	0.0	0
209											0.0	0.0	0.0	0
106+118						10.6					10.6	0.0	0.0	11
107+109											0.0	0.0	0.0	0
108+112											0.0	0.0	0.0	0
111+115											0.0	0.0	0.0	0
12+13											0.0	0.0	0.0	0
128+162											0.0	0.0	0.0	0
132+161											0.0	0.0	0.0	0
133+142											0.0	0.0	0.0	0
134+143											0.0	0.0	0.0	0
138+163+164											0.0	0.0	0.0	0
139+149											0.0	0.0	0.0	0
146+165											0.0	0.0	0.0	0
158+160											0.0	0.0	0.0	0
16+32											0.0	0.0	0.0	0
182+187											0.0	0.0	0.0	0
196+203											0.0	0.0	0.0	0
20+21+33											0.0	0.0	0.0	0
24+27											0.0	0.0	0.0	0
4+10											0.0	0.0	0.0	0
41+64+71+75											0.0	0.0	0.0	0
42+59											0.0	0.0	0.0	0
43+49											0.0	0.0	0.0	0
48+75											0.0	0.0	0.0	0
5+8											0.0	0.0	0.0	0
52+69						28.3					28.3	0.0	0.0	28
56+60											0.0	0.0	0.0	0
61+70											0.0	0.0	0.0	0
66+76											0.0	0.0	0.0	0
7+9											0.0	0.0	0.0	0

LAB 4 METHOD BLANK DATA	pg PCB/L water										Avg.	Std. dev.	Std. dev x 2	EMDL
IUPAC	MB1	MB2	MB3	MB4	MB5	MB6	MB7	MB8	MB9	MB10				
84+92											0.0	0.0	0.0	0
85+116											0.0	0.0	0.0	0
87+117+125											0.0	0.0	0.0	0
88+91											0.0	0.0	0.0	0
90+101											0.0	0.0	0.0	0
95+98+102											0.0	0.0	0.0	0

LAB 5 METHOD BLANK DATA	pg PCB/L water			Avg.	Std. dev.	Std. dev x 2	EMDL
IUPAC	MB1	MB2	MB3				
3	27.9	711.3	16.6	252.0	397.9	795.7	1048
4	34.9			34.9	0.0	0.0	35
5				0.0	0.0	0.0	0
8	71.3			71.3	0.0	0.0	71
10				0.0	0.0	0.0	0
11	34.6			34.6	0.0	0.0	35
15	33.3			33.3	0.0	0.0	33
17	27.6	15.0	25.5	22.7	6.8	13.5	36
19	8.8			8.8	0.0	0.0	9
22	28.3	23.0	51.5	34.3	15.1	30.3	65
25	7.2	2.3	6.9	5.5	2.7	5.5	11
31	68.7	49.3	80.3	66.1	15.7	31.3	97
37	24.3	18.1	30.7	24.3	6.3	12.6	37
42	19.7	10.3	29.0	19.7	9.3	18.7	38
46	3.8	2.2	4.1	3.4	1.0	2.1	5
48	17.6	6.6	15.4	13.2	5.8	11.7	25
56	37.5	20.4	59.2	39.0	19.5	38.9	78
60	20.3	10.8	27.9	19.7	8.5	17.1	37
63	2.1		3.2	2.7	0.8	1.5	4
64	42.4	16.9	46.4	35.3	16.0	32.0	67
66	68.4	36.7	95.2	66.8	29.3	58.6	125
77	12.1	4.8	9.1	8.6	3.6	7.3	16
81				0.0	0.0	0.0	0
82	32.1	25.2	38.7	32.0	6.8	13.6	46
84	102.5	41.7	86.7	77.0	31.5	63.0	140

LAB 5 METHOD BLANK DATA	pg PCB/L water			Avg.	Std. dev.	Std. dev x 2	EMDL
IUPAC	MB1	MB2	MB3				
92	54.4	18.0	35.8	36.1	18.2	36.4	72
95	322.9	96.7	186.7	202.1	113.9	227.7	430
104				0.0	0.0	0.0	0
105	77.1	44.2	78.9	66.7	19.6	39.1	106
114				0.0	0.0	0.0	0
118	199.0	97.0	162.9	153.0	51.7	103.5	256
126				0.0	0.0	0.0	0
132	86.6	52.4	73.3	70.8	17.2	34.4	105
136	44.0	12.6	21.6	26.0	16.2	32.4	58
141	43.7	16.3	22.4	27.5	14.4	28.8	56
158	22.7	10.3	15.1	16.0	6.2	12.5	29
167	12.6		4.3	8.5	5.9	11.7	20
169	19.7			19.7	0.0	0.0	20
170	22.5	12.4	13.9	16.3	5.4	10.9	27
172	5.1			5.1	0.0	0.0	5
177	19.5	7.8	8.0	11.8	6.7	13.4	25
178	7.8		4.2	6.0	2.5	5.0	11
179	20.5	5.9	8.8	11.7	7.8	15.5	27
187	49.4	16.7	17.3	27.8	18.7	37.5	65
189	21.0	2.0		11.5	13.4	26.8	38
190	4.0	2.5	1.4	2.7	1.3	2.6	5
191				0.0	0.0	0.0	0
194	14.3	6.4	6.6	9.1	4.5	9.0	18
195	4.3			4.3	0.0	0.0	4
196	6.3	5.9		6.1	0.3	0.6	7
201		2.2	1.5	1.8	0.5	1.0	3

LAB 5 METHOD BLANK DATA	pg PCB/L water			Avg.	Std. dev.	Std. dev x 2	EMDL
IUPAC	MB1	MB2	MB3				
203	8.2	6.6	4.1	6.3	2.1	4.2	10
205	26.0	4.5		15.3	15.2	30.4	46
206	36.2	7.5		21.8	20.3	40.6	62
207				0.0	0.0	0.0	0
208	15.4			15.4	0.0	0.0	15
209	34.3	6.7	2.5	14.5	17.3	34.6	49
106+107+123	20.3	9.6		15.0	7.6	15.1	30
110+115	278.1	161.9	267.0	235.7	64.1	128.3	364
128+166	40.4	20.8	27.7	29.6	9.9	19.9	49
129+138+160+163	251.5	98.1	140.6	163.4	79.2	158.5	322
134+143	17.6	7.0	12.5	12.4	5.3	10.6	23
135+151+154	78.9	21.7	38.1	46.2	29.5	58.9	105
137+164	29.4		17.7	23.5	8.3	16.6	40
146+161	40.7	8.9	14.2	21.3	17.1	34.1	55
147+149	247.2	66.5	111.2	141.6	94.1	188.2	330
153+168	220.3	59.6	86.3	122.1	86.1	172.2	294
156+157	29.3		12.1	20.7	12.2	24.4	45
16+24+27	30.6	14.3	30.3	25.1	9.3	18.6	44
171+173	10.3	6.3	5.2	7.3	2.7	5.4	13
174+183+185	60.0	26.8	23.8	36.9	20.1	40.2	77
18+30	58.5	31.3	38.7	42.8	14.1	28.1	71
180+193	54.1	26.9	23.1	34.7	16.9	33.8	69
197+200	2.8			2.8	0.0	0.0	3
198+199	13.5			13.5	0.0	0.0	13
20+21+28+33	130.0	78.5	170.0	126.2	45.9	91.7	218

LAB 5 METHOD BLANK DATA	pg PCB/L water			Avg.	Std. dev.	Std. dev x 2	EMDL
	MB1	MB2	MB3				
IUPAC							
26+29	16.1	5.5	14.9	12.2	5.8	11.5	24
40+41+71	44.0	21.0	63.5	42.8	21.3	42.6	85
43+52+73	355.5	72.1	184.4	204.0	142.7	285.4	489
44+47+65	152.6	51.8	132.4	112.2	53.3	106.6	219
45+51	16.0	5.4	13.4	11.6	5.5	11.1	23
49+69	96.5	24.5	60.9	60.6	36.0	72.0	133
50+53	20.4	3.9		12.2	11.7	23.3	36
59+62+75	4.7	2.8		3.8	1.4	2.8	7
61+70+74+76	166.9	81.2	236.3	161.5	77.7	155.4	317
83+99+112	166.7	54.3	86.6	102.5	57.9	115.7	218
85+116+117	43.4	24.3	36.3	34.6	9.6	19.3	54
86+87+97+109+119+125	192.2	101.3	6.4	100.0	92.9	185.8	286
88+91	55.3	14.0	31.4	33.6	20.8	41.5	75
90+101+113	342.2	114.7	210.2	222.4	114.3	228.5	451
93+98+100+102			7.9	7.9	0.0	0.0	8

LAB 6 METHOD BLANK DATA	pg PCB/L water						Avg.	Std. dev.	Std. dev x 2	EMDL
IUPAC	MB1	MB2	MB3	MB4	MB5	MB6				
1	2.7	3.9	4.2	3.6	4.4	3.9	3.8	0.6	1.2	5
2	5.1	11.1	12.6	12.5	6.3	6.1	9.0	3.5	7.0	16
3	4.5	9.1	9.7	9.8	5.1	5.6	7.3	2.5	5.0	12
4							0.0	0.0	0.0	0
5							0.0	0.0	0.0	0
6							0.0	0.0	0.0	0
7							0.0	0.0	0.0	0
8							0.0	0.0	0.0	0
9							0.0	0.0	0.0	0
10							0.0	0.0	0.0	0
11	8.7		8.4		16.0	15.0	12.0	4.0	8.1	20
14							0.0	0.0	0.0	0
15							0.0	0.0	0.0	0
16	2.4	1.7	2.2		2.5	3.8	2.5	0.8	1.6	4
17	1.5	1.7	2.0		2.3	2.7	2.0	0.5	1.0	3
18	3.2	2.8	2.3	2.1	5.4	5.3	3.5	1.5	2.9	6
19	1.4	1.4	0.7				1.1	0.4	0.8	2
22	1.6	1.7	2.3	1.7	2.6	3.9	2.3	0.9	1.8	4
23							0.0	0.0	0.0	0
24							0.0	0.0	0.0	0
25					1.4		1.4	0.0	0.0	1
27							0.0	0.0	0.0	0
31	2.6	2.0	4.1	2.1	6.0	6.5	3.9	2.0	4.0	8
32							0.0	0.0	0.0	0
34							0.0	0.0	0.0	0

LAB 6 METHOD BLANK DATA	pg PCB/L water						Avg.	Std. dev.	Std. dev x 2	EMDL
IUPAC	MB1	MB2	MB3	MB4	MB5	MB6				
35						1.1	1.1	0.0	0.0	1
36							0.0	0.0	0.0	0
37	1.9		1.4	1.5	2.4	3.0	2.0	0.7	1.3	3
38							0.0	0.0	0.0	0
39							0.0	0.0	0.0	0
41	1.6					1.9	1.8	0.2	0.4	2
42	3.2			2.0		2.8	2.7	0.6	1.2	4
43							0.0	0.0	0.0	0
46							0.0	0.0	0.0	0
48				1.9	2.0		2.0	0.1	0.1	2
52	7.2	3.3	7.9	7.4	13.5	6.6	7.7	3.3	6.6	14
54							0.0	0.0	0.0	0
55					1.8		1.8	0.0	0.0	2
56	2.3	2.0	4.0	2.9	6.6	2.9	3.5	1.7	3.4	7
57							0.0	0.0	0.0	0
58							0.0	0.0	0.0	0
60							0.0	0.0	0.0	0
63							0.0	0.0	0.0	0
64		2.2	3.6	3.5	6.1	2.3	3.5	1.6	3.1	7
66	3.2	3.1	4.8	4.1	6.4	3.8	4.2	1.2	2.4	7
67							0.0	0.0	0.0	0
68							0.0	0.0	0.0	0
72							0.0	0.0	0.0	0
73							0.0	0.0	0.0	0
77		1.8	2.9	2.6	5.0	2.1	2.9	1.3	2.5	5
78							0.0	0.0	0.0	0

LAB 6 METHOD BLANK DATA	pg PCB/L water						Avg.	Std. dev.	Std. dev x 2	EMDL
IUPAC	MB1	MB2	MB3	MB4	MB5	MB6				
79					6.9	3.4	5.2	2.5	4.9	10
80							0.0	0.0	0.0	0
81							0.0	0.0	0.0	0
82	5.9	9.0	4.9		29.1	12.6	12.3	9.9	19.7	32
83		2.8			7.0	3.2	4.3	2.3	4.6	9
84	6.8	6.9	7.9	4.6	31.3	13.6	11.9	10.0	20.0	32
89							0.0	0.0	0.0	0
92	5.1	2.9	5.0	4.1	19.5	7.6	7.4	6.1	12.3	20
94							0.0	0.0	0.0	0
95	16.0	12.0	14.0	11.0	62.0	23.0	23.0	19.6	39.2	62
96							0.0	0.0	0.0	0
99	6.2	5.1	8.4	9.4	34.2	12.1	12.6	10.9	21.8	34
103							0.0	0.0	0.0	0
104							0.0	0.0	0.0	0
105	45.3	15.7	9.5	11.1	9.1	10.6	16.9	14.1	28.2	45
106							0.0	0.0	0.0	0
109	6.2				3.1		4.7	2.2	4.4	9
111							0.0	0.0	0.0	0
112	2.0						2.0	0.0	0.0	2
114	2.1				2.0		2.0	0.1	0.2	2
118	68.8	25.0	13.6	16.0	17.9	20.4	27.0	20.9	41.7	69
120							0.0	0.0	0.0	0
121							0.0	0.0	0.0	0
122							0.0	0.0	0.0	0
123							0.0	0.0	0.0	0
126	3.2						3.2	0.0	0.0	3

LAB 6 METHOD BLANK DATA	pg PCB/L water						Avg.	Std. dev.	Std. dev x 2	EMDL
IUPAC	MB1	MB2	MB3	MB4	MB5	MB6				
127							0.0	0.0	0.0	0
130	11.0	5.6		3.5			6.7	3.9	7.7	14
131	5.0						5.0	0.0	0.0	5
132	70.0	28.4	14.0	19.0			32.9	25.5	51.0	84
133	2.1				13.0	8.3	7.8	5.5	10.9	19
134	8.9	3.6					6.3	3.7	7.5	14
136	15.0	6.5	4.7	4.0	3.0	4.4	6.3	4.4	8.9	15
137	14.0	4.3			2.5		6.9	6.2	12.4	19
141	24.0	7.5		6.0	4.6	4.0	9.2	8.4	16.7	26
142							0.0	0.0	0.0	0
143	2.0						2.0	0.0	0.0	2
144	7.0	2.9					5.0	2.9	5.8	11
145							0.0	0.0	0.0	0
146	13.0	5.6		2.6			7.1	5.4	10.7	18
148							0.0	0.0	0.0	0
150							0.0	0.0	0.0	0
152							0.0	0.0	0.0	0
154							0.0	0.0	0.0	0
155							0.0	0.0	0.0	0
158	15.0	5.4		2.7	2.6	3.1	5.8	5.3	10.6	16
159	1.3						1.3	0.0	0.0	1
160							0.0	0.0	0.0	0
161							0.0	0.0	0.0	0
162	1.3						1.3	0.0	0.0	1
164	5.5	3.4			3.3		4.1	1.2	2.5	7
165							0.0	0.0	0.0	0

LAB 6 METHOD BLANK DATA	pg PCB/L water						Avg.	Std. dev.	Std. dev x 2	EMDL
IUPAC	MB1	MB2	MB3	MB4	MB5	MB6				
167	3.5	1.5					2.5	1.4	2.8	5
169							0.0	0.0	0.0	0
169							0.0	0.0	0.0	0
170	6.2	2.6		3.4			4.1	1.9	3.7	8
172							0.0	0.0	0.0	0
174	9.2	3.7		3.5			5.5	3.2	6.5	12
175							0.0	0.0	0.0	0
176	2.8						2.8	0.0	0.0	3
177		2.8		2.2			2.5	0.4	0.8	3
178							0.0	0.0	0.0	0
179	4.5			1.9			3.2	1.8	3.7	7
181							0.0	0.0	0.0	0
182							0.0	0.0	0.0	0
184							0.0	0.0	0.0	0
186							0.0	0.0	0.0	0
187	8.0	2.9		2.8			4.6	3.0	6.0	11
188							0.0	0.0	0.0	0
189							0.0	0.0	0.0	0
190							0.0	0.0	0.0	0
191							0.0	0.0	0.0	0
192							0.0	0.0	0.0	0
194							0.0	0.0	0.0	0
195							0.0	0.0	0.0	0
196							0.0	0.0	0.0	0
201							0.0	0.0	0.0	0
202							0.0	0.0	0.0	0

LAB 6 METHOD BLANK DATA	pg PCB/L water						Avg.	Std. dev.	Std. dev x 2	EMDL
IUPAC	MB1	MB2	MB3	MB4	MB5	MB6				
203							0.0	0.0	0.0	0
204							0.0	0.0	0.0	0
205							0.0	0.0	0.0	0
206							0.0	0.0	0.0	0
207							0.0	0.0	0.0	0
208							0.0	0.0	0.0	0
209		1.8	2.3				2.1	0.3	0.7	3
107+124	6.5	2.7			2.9		4.0	2.1	4.3	8
110+115	218.0	79.0	39.0	40.0	46.0	32.0	75.7	71.7	143.3	219
12+13							0.0	0.0	0.0	0
128+166	26.4	11.7	7.3	7.7	4.7	4.5	10.4	8.3	16.5	27
129+138+163	133.0	54.0	28.4	35.7	22.6	20.7	49.1	42.8	85.7	135
135+151	39.0	14.0	9.2	8.6	9.0		16.0	13.1	26.1	42
139+140	4.2						4.2	0.0	0.0	4
147+149	102.0	37.0	25.0	25.0	20.0	13.3	37.1	32.8	65.5	103
153+168	63.3	25.4	15.0	14.2	14.2	12.7	24.1	19.7	39.5	64
156+157	8.6	4.0		3.8		3.1	4.9	2.5	5.0	10
171+173				1.9			1.9	0.0	0.0	2
180+193	8.6	3.9		3.8		3.4	4.9	2.5	5.0	10
183+185	5.0	3.1		2.3			3.5	1.4	2.8	6
197+200							0.0	0.0	0.0	0
198+199							0.0	0.0	0.0	0
20+28	3.5	2.1	4.8	2.3	6.7	7.4	4.5	2.2	4.5	9
21+33	2.8	2.8	2.3	2.1	5.7	6.2	3.7	1.8	3.6	7
26+29			1.3		2.3	2.4	2.0	0.6	1.2	3
40+71	6.6	2.3	5.7	2.9	3.7	3.7	4.2	1.7	3.3	7

LAB 6 METHOD BLANK DATA	pg PCB/L water						Avg.	Std. dev.	Std. dev x 2	EMDL
IUPAC	MB1	MB2	MB3	MB4	MB5	MB6				
44+47+65	14.0	5.6	9.8	5.4	9.1	8.9	8.8	3.2	6.3	15
45+51	3.2				3.3	2.8	3.1	0.3	0.5	4
49+69		1.9	3.1	4.9	4.1	3.2	3.4	1.1	2.3	6
50+53							0.0	0.0	0.0	0
59+62+75							0.0	0.0	0.0	0
61+70+74+76	8.4	9.2	15.0	13.5	28.4	12.9	14.6	7.2	14.5	29
85+116+117	5.4	10.0	6.2	5.2	22.7	10.1	9.9	6.6	13.3	23
86+87+97+108+119+125	23.0	15.0	28.0	20.0	125.0	44.0	42.5	41.6	83.2	126
88+91	3.4	3.5	4.3		12.8	5.2	5.8	4.0	7.9	14
90+101+113	20.0	17.9	26.9	20.4	100.0	37.4	37.1	31.6	63.2	100
93+100							0.0	0.0	0.0	0
98+102					3.6		3.6	0.0	0.0	4

LAB 7 METHOD BLANK DATA	pg PCB/L water						Avg.	Std. dev.	Std. dev x 2	EMDL
IUPAC	MB1	MB2	MB3	MB4	MB5	MB6				
1	1.4	2.3	2.4	1.7	1.1	0.8	1.6	0.7	1.3	3
2	1.2	1.1	2.2	1.5	0.7	0.8	1.2	0.6	1.1	2
3	2.7	3.1	3.7	3.0	2.0	1.3	2.6	0.9	1.7	4
4	1.0			1.9			1.4	0.6	1.2	3
5							0.0	0.0	0.0	0
6	1.0						1.0	0.0	0.0	1
7	31.0	2.7		1.8			11.8	16.6	33.2	45
8	2.9	1.9		1.3	1.3		1.8	0.7	1.5	3
9							0.0	0.0	0.0	0
10							0.0	0.0	0.0	0
11	9.9	9.7	9.4	14.0	10.5	4.8	9.7	2.9	5.9	16
12+13							0.0	0.0	0.0	0
14							0.0	0.0	0.0	0
15	2.3	1.7		1.3			1.8	0.5	1.0	3
16	1.6	1.1	0.9	0.9	1.0	1.5	1.2	0.3	0.6	2
17	1.7	1.1	1.0	1.3	1.2	1.4	1.3	0.3	0.5	2
18 + 30	3.5	2.4	2.1	2.7	2.1	2.8	2.6	0.5	1.1	4
19				2.0		0.5	1.3	1.0	2.0	3
20 + 28	4.4	2.8	2.6	2.4	2.4	2.4	2.8	0.8	1.6	4
21+23	2.7	1.7	1.2	1.1	1.2	1.3	1.5	0.6	1.2	3
22	1.4	1.0	0.9	0.7	0.7	1.0	0.9	0.3	0.5	1
23				1.3			1.3	0.0	0.0	1
24							0.0	0.0	0.0	0
25				0.3			0.3	0.0	0.0	0
26+29	0.9	0.8		0.5	0.5	0.6	0.7	0.2	0.4	1

LAB 7 METHOD BLANK DATA	pg PCB/L water						Avg.	Std. dev.	Std. dev x 2	EMDL
IUPAC	MB1	MB2	MB3	MB4	MB5	MB6				
27	0.4			0.3		0.2	0.3	0.1	0.2	1
31	4.3	2.0	2.1	2.0	2.3	2.2	2.5	0.9	1.8	4
32	1.1	0.5	0.8	0.5	0.6	0.8	0.7	0.2	0.5	1
34				1.4			1.4	0.0	0.0	1
35							0.0	0.0	0.0	0
36							0.0	0.0	0.0	0
37		1.1	0.9	0.9	0.8	0.7	0.9	0.2	0.3	1
38							0.0	0.0	0.0	0
39							0.0	0.0	0.0	0
40+41+71	1.7	1.3	0.8	0.5	0.9	0.8	1.0	0.4	0.8	2
42	0.7			0.2	0.4	0.4	0.4	0.2	0.5	1
43				0.1			0.1	0.0	0.0	0
44+47+65	3.3	2.4	1.8	2.3	2.5	2.6	2.5	0.5	1.0	3
45+51	0.8			0.8	0.5		0.7	0.2	0.4	1
46							0.0	0.0	0.0	0
48			0.4	0.2	0.3		0.3	0.1	0.2	1
49+69	1.9	1.6	1.0	1.2	1.2	1.0	1.3	0.4	0.7	2
50+53	0.8		0.7	0.3	0.5	0.4	0.5	0.2	0.5	1
52	4.5	4.3	2.6	3.2	2.7	2.4	3.3	0.9	1.8	5
54	0.3			1.7	0.1		0.7	0.8	1.7	2
55							0.0	0.0	0.0	0
56	1.0	1.1		0.4	0.9		0.8	0.3	0.6	1
57							0.0	0.0	0.0	0
58							0.0	0.0	0.0	0
59+62+75	0.4			0.1	0.3		0.3	0.1	0.3	1
60	0.7						0.7	0.0	0.0	1

LAB 7 METHOD BLANK DATA	pg PCB/L water						Avg.	Std. dev.	Std. dev x 2	EMDL
IUPAC	MB1	MB2	MB3	MB4	MB5	MB6				
61+70+74+76	4.7	5.1	2.5	2.2	2.6	2.2	3.2	1.3	2.6	6
63							0.0	0.0	0.0	0
64	1.2	1.0	0.7	0.6	0.6		0.8	0.3	0.5	1
66	2.0	2.2	1.7	1.4	0.9	1.1	1.5	0.5	1.0	3
67							0.0	0.0	0.0	0
68							0.0	0.0	0.0	0
72							0.0	0.0	0.0	0
73							0.0	0.0	0.0	0
77		0.6	0.9	1.2	0.7	1.0	0.9	0.2	0.4	1
78							0.0	0.0	0.0	0
79							0.0	0.0	0.0	0
80							0.0	0.0	0.0	0
81	0.3			1.0			0.6	0.5	0.9	2
82			0.4				0.4	0.0	0.0	0
83+99	1.2	1.5			1.8	0.7	1.3	0.5	0.9	2
84	0.7		0.6			0.2	0.5	0.3	0.5	1
85+116+117			0.2				0.2	0.0	0.0	0
86+87+97+108+119+125							0.0	0.0	0.0	0
88+91	0.5		0.4			0.2	0.4	0.1	0.3	1
89			0.1				0.1	0.0	0.0	0
90+101+113	2.6	4.4		1.9	1.9	1.1	2.4	1.2	2.5	5
92							0.0	0.0	0.0	0
93+95+98+100+102	3.2	3.5	1.4	1.0	1.3		2.1	1.2	2.3	4
94			0.1				0.1	0.0	0.0	0
96	0.1		0.0			0.1	0.1	0.1	0.1	0
103			0.2				0.2	0.0	0.0	0

LAB 7 METHOD BLANK DATA	pg PCB/L water						Avg.	Std. dev.	Std. dev x 2	EMDL
IUPAC	MB1	MB2	MB3	MB4	MB5	MB6				
104			0.2	2.7	0.3	0.2	0.9	1.2	2.5	3
105	0.6	1.9	0.9	1.5	0.9	1.0	1.1	0.5	0.9	2
106							0.0	0.0	0.0	0
107+124						0.2	0.2	0.0	0.0	0
109							0.0	0.0	0.0	0
110+115	2.5	5.4	1.9	1.8	1.7	0.8	2.4	1.6	3.2	6
111							0.0	0.0	0.0	0
111							0.0	0.0	0.0	0
112							0.0	0.0	0.0	0
114	0.6			1.2		0.4	0.7	0.4	0.8	2
118	1.9	4.1	1.7	2.7	1.3	2.1	2.3	1.0	2.0	4
120							0.0	0.0	0.0	0
121			0.1				0.1	0.0	0.0	0
122							0.0	0.0	0.0	0
123	0.6			0.9		0.4	0.6	0.3	0.5	1
126	0.6		0.5			0.6	0.6	0.1	0.1	1
127							0.0	0.0	0.0	0
128 + 166						0.1	0.1	0.0	0.0	0
129+138+160+163	1.4	3.8	1.7	1.4	1.5	0.7	1.7	1.1	2.1	4
130			0.2			0.2	0.2	0.0	0.0	0
131							0.0	0.0	0.0	0
132	0.5		0.6			0.1	0.4	0.2	0.5	1
133			0.1			0.1	0.1	0.0	0.1	0
134+143	0.2					0.0	0.1	0.1	0.2	0
135+151+154	1.1		0.5	0.7	0.4	0.7	0.7	0.3	0.5	1
136	0.3		0.2	0.1	0.3		0.3	0.1	0.2	0

LAB 7 METHOD BLANK DATA	pg PCB/L water						Avg.	Std. dev.	Std. dev x 2	EMDL
IUPAC	MB1	MB2	MB3	MB4	MB5	MB6				
137						0.1	0.1	0.0	0.0	0
139+140			0.0			0.1	0.1	0.1	0.1	0
141			0.4			0.2	0.3	0.1	0.2	1
142							0.0	0.0	0.0	0
144				0.1	0.1		0.1	0.0	0.1	0
145	0.1					0.1	0.1	0.0	0.0	0
146			0.4				0.4	0.0	0.0	0
147+149	1.8	2.8	1.4	1.3	1.6	0.7	1.6	0.7	1.4	3
148	0.0		0.1			0.0	0.1	0.0	0.1	0
150							0.0	0.0	0.0	0
152							0.0	0.0	0.0	0
153 + 168	1.7	3.6	1.9	1.5	2.1	0.9	1.9	0.9	1.8	4
155	0.2			4.3	0.3	0.2	1.3	2.0	4.0	5
156 + 157	0.6	1.3	0.5	1.1	1.6	1.7	1.1	0.5	1.0	2
158			0.2				0.2	0.0	0.0	0
159			0.1				0.1	0.0	0.0	0
161			0.0				0.0	0.0	0.0	0
162			0.1				0.1	0.0	0.0	0
164						0.0	0.0	0.0	0.0	0
165			0.1			0.0	0.1	0.0	0.0	0
167			0.4	0.9	0.5	0.9	0.7	0.2	0.5	1
169	0.4		0.1	0.4	0.9		0.4	0.3	0.6	1
170	0.7	1.4	0.9	1.0	0.7	0.5	0.9	0.3	0.7	2
171+173	0.1	0.4	0.2		0.2	0.3	0.2	0.1	0.2	0
172	0.1		0.1		0.1		0.1	0.0	0.1	0
174	0.8	0.9	0.5		0.3		0.6	0.3	0.6	1

LAB 7 METHOD BLANK DATA	pg PCB/L water						Avg.	Std. dev.	Std. dev x 2	EMDL
IUPAC	MB1	MB2	MB3	MB4	MB5	MB6				
175	0.0					0.1	0.1	0.0	0.1	0
176	0.1					0.0	0.1	0.1	0.1	0
177							0.0	0.0	0.0	0
178				0.2	0.3		0.2	0.1	0.2	0
179	0.5	0.4	0.2	0.3	0.1	0.1	0.3	0.2	0.3	1
180 + 193	1.9	2.1	1.4	1.3	1.2	0.7	1.4	0.5	1.0	2
181						0.9	0.9	0.0	0.0	1
182	0.1			1.3	0.3	0.3	0.5	0.5	1.1	2
183+185	0.5	1.0	0.6	0.2	0.1		0.5	0.3	0.7	1
184	0.0						0.0	0.0	0.0	0
186					0.1		0.1	0.0	0.0	0
187	1.5	1.1	0.7	2.3	0.6	0.5	1.1	0.7	1.3	2
188	0.1		0.2	2.7	0.1		0.8	1.3	2.5	3
189	0.3	0.4	0.2	0.2	0.8	0.3	0.4	0.2	0.5	1
190	0.2	0.3	0.1		0.1	0.3	0.2	0.1	0.2	0
191	0.1				0.2	0.1	0.1	0.1	0.2	0
192	0.1		0.1		0.1	0.1	0.1	0.0	0.0	0
194	0.4	0.6	0.2	0.2	0.1	0.3	0.3	0.2	0.3	1
195	0.4	0.1			0.1	0.1	0.2	0.1	0.3	0
196	0.4				0.2	0.1	0.2	0.1	0.3	1
197+200	0.1				0.1		0.1	0.0	0.1	0
198+199	0.7	0.7	0.2	0.3	0.1	0.3	0.4	0.3	0.5	1
201	0.3		0.1			0.1	0.2	0.1	0.3	0
202	0.4	0.2	0.2	2.0		0.1	0.6	0.8	1.6	2
203	0.7	0.3			0.2	0.1	0.3	0.3	0.6	1
204		0.1			0.1	0.1	0.1	0.0	0.0	0

LAB 7 METHOD BLANK DATA	pg PCB/L water						Avg.	Std. dev.	Std. dev x 2	EMDL
IUPAC	MB1	MB2	MB3	MB4	MB5	MB6				
205	0.3	0.3	0.1	0.3	0.4	0.4	0.3	0.1	0.2	0
206							0.0	0.0	0.0	0
207				1.0			1.0	0.0	0.0	1
208				5.7			5.7	0.0	0.0	6
209	0.5	1.1	1.3	0.6	1.1	0.8	0.9	0.3	0.7	2

REAGENT WATER STUDY LABORATORY METHOD BLANKS														
LAB DESIGNATION:	1	2	2	3	4	5	5	6	7	8				
IUPAC	pg PCB/L water										Avg.	Std. dev.	Std. dev x 2	EMDL
1	36.3			2.6	13.6	24.4	28.6	8.1			18.9	12.9	25.9	45
2				3.0					7.1		5.1	2.9	5.8	11
3	10.2			4.8	12.3	17.2			9.3		10.8	4.5	9.1	20
4						50.9					50.9	0.0	0.0	51
5											0.0	0.0	0.0	0
6											0.0	0.0	0.0	0
7											0.0	0.0	0.0	0
8											0.0	0.0	0.0	0
9											0.0	0.0	0.0	0
10											0.0	0.0	0.0	0
11							227.0			29.0	128.0	140.0	280.0	408
14											0.0	0.0	0.0	0
15											0.0	0.0	0.0	0
16									6.1		6.1	0.0	0.0	6
17	7.8					31.7	23.3				20.9	12.1	24.2	45
19						10.7	11.6				11.2	0.6	1.2	12
22	7.4				5.9						6.7	1.1	2.1	9
23				1.1							1.1	0.0	0.0	1
24											0.0	0.0	0.0	0
25				1.2							1.2	0.0	0.0	1
27											0.0	0.0	0.0	0
31	11.9			2.2	10.2		15.9		9.0		9.8	5.0	10.0	20

REAGENT WATER STUDY LABORATORY METHOD BLANKS														
LAB DESIGNATION:	1	2	2	3	4	5	5	6	7	8				
IUPAC	pg PCB/L water										Avg.	Std. dev.	Std. dev x 2	EMDL
32	7.8				2.7	10.9	11.3	2.9			7.1	4.2	8.3	15
34				0.6							0.6	0.0	0.0	1
35	4.0										4.0	0.0	0.0	4
36				0.6							0.6	0.0	0.0	1
37	8.2			1.2	6.4				2.5		4.6	3.3	6.6	11
38											0.0	0.0	0.0	0
39	6.4										6.4	0.0	0.0	6
41											0.0	0.0	0.0	0
42					5.9						5.9	0.0	0.0	6
43											0.0	0.0	0.0	0
45											0.0	0.0	0.0	0
46											0.0	0.0	0.0	0
47											0.0	0.0	0.0	0
48											0.0	0.0	0.0	0
49											0.0	0.0	0.0	0
51											0.0	0.0	0.0	0
52	17.0	48.8	35.2	3.9					46.3		30.2	19.3	38.7	69
54											0.0	0.0	0.0	0
55											0.0	0.0	0.0	0
56				0.7	22.2				6.2		9.7	11.2	22.3	32
57											0.0	0.0	0.0	0
58											0.0	0.0	0.0	0
60					10.4						10.4	0.0	0.0	10

REAGENT WATER STUDY LABORATORY METHOD BLANKS														
LAB DESIGNATION:	1	2	2	3	4	5	5	6	7	8				
IUPAC	pg PCB/L water										Avg.	Std. dev.	Std. dev x 2	EMDL
63											0.0	0.0	0.0	0
64		2.1			7.6	8.5	9.4		7.7		7.1	2.9	5.7	13
66	7.2			1.1	24.7				12.6		11.4	10.1	20.1	31
67											0.0	0.0	0.0	0
68											0.0	0.0	0.0	0
72											0.0	0.0	0.0	0
73											0.0	0.0	0.0	0
77	7.6				12.9						10.3	3.7	7.5	18
78											0.0	0.0	0.0	0
79											0.0	0.0	0.0	0
80											0.0	0.0	0.0	0
81	3.8										3.8	0.0	0.0	4
82									7.4		7.4	0.0	0.0	7
83											0.0	0.0	0.0	0
84									22.0		22.0	0.0	0.0	22
88											0.0	0.0	0.0	0
89											0.0	0.0	0.0	0
91											0.0	0.0	0.0	0
92		4.0							9.5		6.8	3.9	7.8	15
94											0.0	0.0	0.0	0
95		18.0	17.0		37.0	44.0	40.0		55.0		35.2	15.0	30.0	65
96											0.0	0.0	0.0	0
98											0.0	0.0	0.0	0

REAGENT WATER STUDY LABORATORY METHOD BLANKS														
LAB DESIGNATION:	1	2	2	3	4	5	5	6	7	8				
IUPAC	pg PCB/L water										Avg.	Std. dev.	Std. dev x 2	EMDL
99									24.0		24.0	0.0	0.0	24
102											0.0	0.0	0.0	0
103											0.0	0.0	0.0	0
104											0.0	0.0	0.0	0
105					33.2	3.2	3.7				13.4	17.2	34.3	48
106											0.0	0.0	0.0	0
107											0.0	0.0	0.0	0
109											0.0	0.0	0.0	0
110		4.2									4.2	0.0	0.0	4
111											0.0	0.0	0.0	0
112											0.0	0.0	0.0	0
113											0.0	0.0	0.0	0
114											0.0	0.0	0.0	0
115											0.0	0.0	0.0	0
117											0.0	0.0	0.0	0
118											0.0	0.0	0.0	0
118				1.6	51.6	13.3	7.8		32.8		21.4	20.5	41.1	62
120											0.0	0.0	0.0	0
121											0.0	0.0	0.0	0
122											0.0	0.0	0.0	0
123											0.0	0.0	0.0	0
126				0.7							0.7	0.0	0.0	1
127											0.0	0.0	0.0	0

REAGENT WATER STUDY LABORATORY METHOD BLANKS														
LAB DESIGNATION:	1	2	2	3	4	5	5	6	7	8				
IUPAC	pg PCB/L water										Avg.	Std. dev.	Std. dev x 2	EMDL
130											0.0	0.0	0.0	0
131											0.0	0.0	0.0	0
132					17.0	5.4	6.2		18.0		11.7	6.8	13.6	25
133											0.0	0.0	0.0	0
134											0.0	0.0	0.0	0
136					6.6	3.9	2.3		6.4		4.8	2.1	4.1	9
137											0.0	0.0	0.0	0
141						8.7	17.0		5.4		10.4	6.0	12.0	22
142											0.0	0.0	0.0	0
143											0.0	0.0	0.0	0
144											0.0	0.0	0.0	0
145											0.0	0.0	0.0	0
146											0.0	0.0	0.0	0
147											0.0	0.0	0.0	0
148											0.0	0.0	0.0	0
150											0.0	0.0	0.0	0
152											0.0	0.0	0.0	0
154											0.0	0.0	0.0	0
155											0.0	0.0	0.0	0
158									4.0		4.0	0.0	0.0	4
159											0.0	0.0	0.0	0
160											0.0	0.0	0.0	0
161											0.0	0.0	0.0	0

REAGENT WATER STUDY LABORATORY METHOD BLANKS														
LAB DESIGNATION:	1	2	2	3	4	5	5	6	7	8				
IUPAC	pg PCB/L water										Avg.	Std. dev.	Std. dev x 2	EMDL
162											0.0	0.0	0.0	0
163											0.0	0.0	0.0	0
164											0.0	0.0	0.0	0
165											0.0	0.0	0.0	0
167					4.6						4.6	0.0	0.0	5
169	6.8				23.3						15.1	11.6	23.3	38
170					2.7	43.5	51.7				32.6	26.2	52.4	85
172							7.6				7.6	0.0	0.0	8
174											0.0	0.0	0.0	0
175											0.0	0.0	0.0	0
176						7.1	7.0				7.1	0.1	0.1	7
177						36.0	30.0				33.0	4.2	8.5	41
178						46.0	47.1				46.5	0.8	1.6	48
179						32.0	22.0				27.0	7.1	14.1	41
181											0.0	0.0	0.0	0
182											0.0	0.0	0.0	0
183											0.0	0.0	0.0	0
184					0.1						0.1	0.0	0.0	0
185											0.0	0.0	0.0	0
186											0.0	0.0	0.0	0
187				0.6							0.6	0.0	0.0	1
188											0.0	0.0	0.0	0
188											0.0	0.0	0.0	0

REAGENT WATER STUDY LABORATORY METHOD BLANKS														
LAB DESIGNATION:	1	2	2	3	4	5	5	6	7	8				
IUPAC	pg PCB/L water										Avg.	Std. dev.	Std. dev x 2	EMDL
189					15.0						15.0	0.0	0.0	15
190							13.0				13.0	0.0	0.0	13
191											0.0	0.0	0.0	0
192											0.0	0.0	0.0	0
194						344.0	333.0				338.5	7.8	15.6	354
195						99.0	75.0				87.0	17.0	33.9	121
196											0.0	0.0	0.0	0
197											0.0	0.0	0.0	0
200											0.0	0.0	0.0	0
201					1.0	58.0	31.0				30.0	28.5	57.1	87
202							28.7				28.7	0.0	0.0	29
203											0.0	0.0	0.0	0
204											0.0	0.0	0.0	0
205					19.4	14.7	14.8				16.3	2.7	5.4	22
206					27.0	356.0	359.0				247.3	190.8	381.6	629
207						33.0	33.0				33.0	0.0	0.0	33
208						42.5	43.0				42.8	0.4	0.7	43
209					25.7	11.8	14.0				17.2	7.5	15.0	32
106+107+123											0.0	0.0	0.0	0
106+109+123											0.0	0.0	0.0	0
107+124											0.0	0.0	0.0	0
108+124											0.0	0.0	0.0	0
110+115				1.2	73.0	34.0	20.0		65.0		38.6	30.2	60.4	99

REAGENT WATER STUDY LABORATORY METHOD BLANKS														
LAB DESIGNATION:	1	2	2	3	4	5	5	6	7	8				
IUPAC	pg PCB/L water										Avg.	Std. dev.	Std. dev x 2	EMDL
114+122											0.0	0.0	0.0	0
12+13											0.0	0.0	0.0	0
128+166					8.7				7.2		8.0	1.1	2.1	10
129+138+160+163					38.0	20.0	17.0				25.0	11.4	22.7	48
129+138+163		3.2							38.0		20.6	24.6	49.2	70
130+137+164											0.0	0.0	0.0	0
131+142											0.0	0.0	0.0	0
134+143											0.0	0.0	0.0	0
134+147+149						50.0	29.0				39.5	14.8	29.7	69
135+151									11.0		11.0	0.0	0.0	11
135+151+154						18.0	14.0				16.0	2.8	5.7	22
137+164											0.0	0.0	0.0	0
139+140											0.0	0.0	0.0	0
141+153+168							47.0				47.0	0.0	0.0	47
146+161				4.7							4.7	0.0	0.0	5
147+149					26.0				30.0		28.0	2.8	5.7	34
150+152											0.0	0.0	0.0	0
153+168		2.7		1.2	28.3				23.8		14.0	14.1	28.1	42
156+157					15.2						15.2	0.0	0.0	15
16+24											0.0	0.0	0.0	0
16+24+27						5.6	5.1				5.4	0.4	0.7	6
172+173											0.0	0.0	0.0	0
172+173+181							7.4				7.4	0.0	0.0	7

REAGENT WATER STUDY LABORATORY METHOD BLANKS														
LAB DESIGNATION:	1	2	2	3	4	5	5	6	7	8				
IUPAC	pg PCB/L water										Avg.	Std. dev.	Std. dev x 2	EMDL
174+183+185					11.0						11.0	0.0	0.0	11
18+30	18.2	10.7			11.3	50.4	48.2		9.3		24.7	19.3	38.7	63
180+193				0.8	9.5	366.0	333.0				177.3	199.3	398.6	576
182+187						298.0	222.0				260.0	53.7	107.5	367
183+185											0.0	0.0	0.0	0
196+203						696.0	660.0				678.0	25.5	50.9	729
197+200						39.0	29.0				34.0	7.1	14.1	48
198+199						409.0	378.0				393.5	21.9	43.8	437
20+21+28+33					25.0	68.0					46.5	30.4	60.8	107
20+28	22.5			2.9					8.4		11.3	10.1	20.2	31
21+33	10.5			2.3							6.4	5.8	11.6	18
23+24											0.0	0.0	0.0	0
26+29	6.0										6.0	0.0	0.0	6
40+41+71				1.5	13.4	19.3	17.0				12.8	7.9	15.8	29
40+71		2.8							6.1		4.5	2.3	4.7	9
42+59+62+75						8.9	9.8				9.4	0.6	1.3	11
43+52+73					25.9	44.5	42.1				37.5	10.1	20.2	58
44+75+65	33.0	13.0	9.2	2.3	22.5	32.8	33.5		22.0	35.0	22.6	12.1	24.2	47
45+51				1.0							1.0	0.0	0.0	1
49+69	9.2	10.5	6.4	1.2	10.1	16.0	12.0		13.0		9.8	4.5	8.9	19
5+8							146.0				146.0	0.0	0.0	146
50+53				1.1							1.1	0.0	0.0	1
55+66											0.0	0.0	0.0	0

REAGENT WATER STUDY LABORATORY METHOD BLANKS														
LAB DESIGNATION:	1	2	2	3	4	5	5	6	7	8				
IUPAC	pg PCB/L water										Avg.	Std. dev.	Std. dev x 2	EMDL
56+60											0.0	0.0	0.0	0
58+67											0.0	0.0	0.0	0
59+62+75											0.0	0.0	0.0	0
61+70+74+76	14.0	5.6	2.7	44.0		44.0	47.0		38.0		27.9	19.6	39.2	67
83+99											0.0	0.0	0.0	0
83+99+112					27.0	9.1					18.1	12.7	25.3	43
85+116											0.0	0.0	0.0	0
85+116+117					12.0		9.7				10.9	1.6	3.3	14
86+87+97+108+119+125									44.0		44.0	0.0	0.0	44
86+87+97+109+119+125					44.0						44.0	0.0	0.0	44
88+91									11.0		11.0	0.0	0.0	11
90+101+113		15.0			45.0	26.0	17.0		55.0		31.6	17.7	35.3	67
93+100											0.0	0.0	0.0	0
93+95+98+100+102											0.0	0.0	0.0	0
93+98+100+102											0.0	0.0	0.0	0
98+102											0.0	0.0	0.0	0

REAGENT WATER STUDY NON-SPIKED WATER SAMPLES (BLIND METHOD BLANKS)												
LAB DESIGNATION:	1	2	3	4	5	6	7	8				
IUPAC	pg PCB/L water								Avg.	Std. dev.	Std. dev x 2	EMDL
1			1.9	6.2	29.0	8.1			11.3	12.1	24.2	35
2			1.3	5.5					3.4	3.0	5.9	9
3				7.8	21.0	6.7			11.8	8.0	15.9	28
4									0.0	0.0	0.0	0
5									0.0	0.0	0.0	0
6									0.0	0.0	0.0	0
7								3.2	3.2	0.0	0.0	3
8						97.0			97.0	0.0	0.0	97
9								3.0	3.0	0.0	0.0	3
10									0.0	0.0	0.0	0
11		102.0	5.5		302.0			22.0	107.9	136.1	272.2	380
14									0.0	0.0	0.0	0
15								2.2	2.2	0.0	0.0	2
16		7.9				46.0			27.0	26.9	53.9	81
17				12.0	33.0				22.5	14.8	29.7	52
19				7.5		12.7			10.1	3.7	7.3	17
22			0.88/	19.0	18.0	26.0	4.4	3.2	14.1	9.9	19.8	34
23			0.6	6.8					3.7	4.4	8.7	12
24									0.0	0.0	0.0	0
25				9.3		8.2			8.8	0.8	1.6	10
27						5.2			5.2	0.0	0.0	5

REAGENT WATER STUDY NON-SPIKED WATER SAMPLES (BLIND METHOD BLANKS)												
LAB DESIGNATION:	1	2	3	4	5	6	7	8				
IUPAC	pg PCB/L water								Avg.	Std. dev.	Std. dev x 2	EMDL
31		7.6	1.6	21.0	59.0	68.0		5.1	27.1	29.1	58.3	85
32			0.7	11.0	18.0	22.0	3.3		11.0	9.2	18.3	29
34				7.0					7.0	0.0	0.0	7
35				8.7					8.7	0.0	0.0	9
36				7.2					7.2	0.0	0.0	7
37			1.1	19.0		10.4			10.2	9.0	17.9	28
38				7.8					7.8	0.0	0.0	8
39				9.5					9.5	0.0	0.0	10
41									0.0	0.0	0.0	0
42				18.0					18.0	0.0	0.0	18
43									0.0	0.0	0.0	0
45									0.0	0.0	0.0	0
46				13.0					13.0	0.0	0.0	13
47									0.0	0.0	0.0	0
48				12.0		7.3			9.7	3.3	6.6	16
51									0.0	0.0	0.0	0
52	20.8	75.3	3.7			28.8	39.0		33.5	26.7	53.4	87
54				11.2					11.2	0.0	0.0	11
55				8.1					8.1	0.0	0.0	8
56			0.7	24.0			5.3		10.0	12.4	24.7	35
57				6.7					6.7	0.0	0.0	7
58				9.0					9.0	0.0	0.0	9

REAGENT WATER STUDY NON-SPIKED WATER SAMPLES (BLIND METHOD BLANKS)												
LAB DESIGNATION:	1	2	3	4	5	6	7	8				
IUPAC	pg PCB/L water								Avg.	Std. dev.	Std. dev x 2	EMDL
60				17.0					17.0	0.0	0.0	17
63				5.8					5.8	0.0	0.0	6
64		4.8		20.0		8.7	7.9		10.4	6.6	13.3	24
66			1.5	31.4		10.0	11.3		13.6	12.7	25.3	39
67				7.9					7.9	0.0	0.0	8
68				5.2					5.2	0.0	0.0	5
72				5.5					5.5	0.0	0.0	6
73									0.0	0.0	0.0	0
77			0.6	10.0					5.3	6.6	13.3	19
78				7.3					7.3	0.0	0.0	7
79				8.6					8.6	0.0	0.0	9
80				4.9					4.9	0.0	0.0	5
81				9.1					9.1	0.0	0.0	9
82				27.0			8.8		17.9	12.9	25.7	44
83									0.0	0.0	0.0	0
84				46.0			20.0		33.0	18.4	36.8	70
88									0.0	0.0	0.0	0
89				15.0					15.0	0.0	0.0	15
91									0.0	0.0	0.0	0
92				30.0			8.5		19.3	15.2	30.4	50
94				12.1					12.1	0.0	0.0	12
95		42.0		83.0	71.0		44.0	5.1	49.0	30.2	60.3	109

REAGENT WATER STUDY NON-SPIKED WATER SAMPLES (BLIND METHOD BLANKS)												
LAB DESIGNATION:	1	2	3	4	5	6	7	8				
IUPAC	pg PCB/L water								Avg.	Std. dev.	Std. dev x 2	EMDL
96				11.0					11.0	0.0	0.0	11
98									0.0	0.0	0.0	0
99		11.0							11.0	0.0	0.0	11
102									0.0	0.0	0.0	0
103				11.0					11.0	0.0	0.0	11
104				16.5					16.5	0.0	0.0	17
105				33.1			15.9		24.5	12.2	24.3	49
106				5.8					5.8	0.0	0.0	6
107									0.0	0.0	0.0	0
109									0.0	0.0	0.0	0
110		12.0							12.0	0.0	0.0	12
111				9.9					9.9	0.0	0.0	10
112									0.0	0.0	0.0	0
114				8.6					8.6	0.0	0.0	9
115									0.0	0.0	0.0	0
117									0.0	0.0	0.0	0
118				68.7		15.4	33.8	3.4	30.3	28.5	56.9	87
120				12.0					12.0	0.0	0.0	12
121									0.0	0.0	0.0	0
122				6.9					6.9	0.0	0.0	7
123									0.0	0.0	0.0	0
126				9.6					9.6	0.0	0.0	10

REAGENT WATER STUDY NON-SPIKED WATER SAMPLES (BLIND METHOD BLANKS)												
LAB DESIGNATION:	1	2	3	4	5	6	7	8				
IUPAC	pg PCB/L water								Avg.	Std. dev.	Std. dev x 2	EMDL
127				7.3					7.3	0.0	0.0	7
130				12.0					12.0	0.0	0.0	12
131									0.0	0.0	0.0	0
132			0.7	41.0			16.0		19.2	20.4	40.7	60
133				9.1					9.1	0.0	0.0	9
134									0.0	0.0	0.0	0
136		10.0		14.0	4.7	12.0	4.9		9.1	4.2	8.4	18
137									0.0	0.0	0.0	0
141				17.0		16.0			16.5	0.7	1.4	18
142				5.9					5.9	0.0	0.0	6
143									0.0	0.0	0.0	0
144				8.3	4.1				6.2	3.0	5.9	12
145				8.4					8.4	0.0	0.0	8
146							4.2		4.2	0.0	0.0	4
148				7.5					7.5	0.0	0.0	8
150				7.1					7.1	0.0	0.0	7
152				7.1					7.1	0.0	0.0	7
154									0.0	0.0	0.0	0
155				7.5					7.5	0.0	0.0	7
158				13.7		8.5			11.1	3.7	7.4	18
159				9.0					9.0	0.0	0.0	9
160									0.0	0.0	0.0	0

REAGENT WATER STUDY NON-SPIKED WATER SAMPLES (BLIND METHOD BLANKS)												
LAB DESIGNATION:	1	2	3	4	5	6	7	8				
IUPAC	pg PCB/L water								Avg.	Std. dev.	Std. dev x 2	EMDL
161									0.0	0.0	0.0	0
162				7.6					7.6	0.0	0.0	8
164						6.5			6.5	0.0	0.0	7
165				10.0					10.0	0.0	0.0	10
167				9.3					9.3	0.0	0.0	9
169	3.5			12.1					7.8	6.1	12.2	20
170				14.8		19.3			17.1	3.2	6.4	23
172				10.0					10.0	0.0	0.0	10
174		15.0				18.0			16.5	2.1	4.2	21
175				12.0					12.0	0.0	0.0	12
176				8.4					8.4	0.0	0.0	8
177				16.0					16.0	0.0	0.0	16
178				12.0					12.0	0.0	0.0	12
179		13.0		17.0	13.0				14.3	2.3	4.6	19
181				7.9					7.9	0.0	0.0	8
182				7.0					7.0	0.0	0.0	7
183		8.9				13.0			11.0	2.9	5.8	17
184				7.3					7.3	0.0	0.0	7
185									0.0	0.0	0.0	0
186				12.0					12.0	0.0	0.0	12
187		19.0		25.4		17.2			20.5	4.3	8.6	29
188				8.1					8.1	0.0	0.0	8

REAGENT WATER STUDY NON-SPIKED WATER SAMPLES (BLIND METHOD BLANKS)												
LAB DESIGNATION:	1	2	3	4	5	6	7	8				
IUPAC	pg PCB/L water								Avg.	Std. dev.	Std. dev x 2	EMDL
189				8.3					8.3	0.0	0.0	8
190				9.1					9.1	0.0	0.0	9
191				6.9					6.9	0.0	0.0	7
192				8.1					8.1	0.0	0.0	8
194				11.9	75.9				43.9	45.2	90.4	134
195				7.5					7.5	0.0	0.0	7
196				7.3		4.7			6.0	1.8	3.7	10
197									0.0	0.0	0.0	0
200									0.0	0.0	0.0	0
201				6.6	11.0				8.8	3.1	6.2	15
202				9.2	11.3				10.2	1.5	3.0	13
203				12.0		4.5			8.3	5.3	10.6	19
204				6.8					6.8	0.0	0.0	7
205				10.7					10.7	0.0	0.0	11
206				18.3	101.6	8.4			42.8	51.2	102.3	145
207				7.4	12.0				9.7	3.3	6.5	16
208				8.4	14.3				11.3	4.2	8.4	20
209				11.0	8.3				9.7	1.9	3.8	13
106+107+123				22.0					22.0	0.0	0.0	22
106+109+123									0.0	0.0	0.0	0
107+124									0.0	0.0	0.0	0
108+124				14.0					14.0	0.0	0.0	14

REAGENT WATER STUDY NON-SPIKED WATER SAMPLES (BLIND METHOD BLANKS)												
LAB DESIGNATION:	1	2	3	4	5	6	7	8				
IUPAC	pg PCB/L water								Avg.	Std. dev.	Std. dev x 2	EMDL
110+115			1.9	138.0	42.0	31.0	62.0		55.0	51.2	102.5	157
114+122									0.0	0.0	0.0	0
12+13									0.0	0.0	0.0	0
128+166				25.2		5.7			15.5	13.8	27.6	43
129+138+160+163			4.6	100.0	14.0				39.5	52.6	105.2	145
129+138+163		20.0				63.0	40.0	4.2	31.8	25.4	50.9	83
130+137+164									0.0	0.0	0.0	0
131+142									0.0	0.0	0.0	0
134+143				18.0					18.0	0.0	0.0	18
134+147+149					40.0				40.0	0.0	0.0	40
135+151		25.0				28.0			26.5	2.1	4.2	31
135+151+154				34.0	14.0				24.0	14.1	28.3	52
137+164				21.0					21.0	0.0	0.0	21
139+140				18.0					18.0	0.0	0.0	18
141+153+168									0.0	0.0	0.0	0
146+161				24.0					24.0	0.0	0.0	24
147+149		39.0	1.8	68.0		55.0		5.2	33.8	29.5	59.1	93
150+152									0.0	0.0	0.0	0
153+168		29.8	1.1	79.7		58.9	20.9		38.1	31.2	62.4	101
156+157			0.7	17.0		8.6	3.5		7.5	7.1	14.3	22
16+24									0.0	0.0	0.0	0
16+24+27				31.0					31.0	0.0	0.0	31

REAGENT WATER STUDY NON-SPIKED WATER SAMPLES (BLIND METHOD BLANKS)												
LAB DESIGNATION:	1	2	3	4	5	6	7	8				
IUPAC	pg PCB/L water								Avg.	Std. dev.	Std. dev x 2	EMDL
172+173				25.0					25.0	0.0	0.0	25
172+173+181									0.0	0.0	0.0	0
174+183+185				49.0	110.0				79.5	43.1	86.3	166
18+30		24.3	1.7	26.4	70.2	75.4	11.2	4.3	30.5	30.4	60.7	91
180+193		20.8		29.6	108.0	41.2	4.5	5.8	35.0	38.4	76.8	112
182+187									0.0	0.0	0.0	0
183+185									0.0	0.0	0.0	0
196+203					182.0				182.0	0.0	0.0	182
197+200				13.0	12.0				12.5	0.7	1.4	14
198+199				24.0	113.0	8.9			48.6	56.3	112.5	161
20+21+28+33				58.0	98.0				78.0	28.3	56.6	135
20+28	15.0	7.8	1.9			84.1	11.7	5.2	20.9	31.3	62.6	84
21+33		6.1	1.3			47.0		4.1	14.6	21.7	43.3	58
23+24									0.0	0.0	0.0	0
26+29				14.0	20.0	14.0			16.0	3.5	6.9	23
40+41+71				49.0		11.0			30.0	26.9	53.7	84
40+71		7.4					4.6		6.0	2.0	4.0	10
42+59+62+75									0.0	0.0	0.0	0
43+52+73				88.0	73.0				80.5	10.6	21.2	102
44+75+65									0.0	0.0	0.0	0
45+51			0.6	20.0		6.4		9.5	9.1	8.1	16.3	25
49+69				28.0		14.0	11.0		17.7	9.1	18.1	36

REAGENT WATER STUDY NON-SPIKED WATER SAMPLES (BLIND METHOD BLANKS)												
LAB DESIGNATION:	1	2	3	4	5	6	7	8				
IUPAC	pg PCB/L water								Avg.	Std. dev.	Std. dev x 2	EMDL
5+8								3.5	3.5	0.0	0.0	4
50+53		7.8		19.6			2.9		10.1	8.6	17.2	27
55+66					15.0				15.0	0.0	0.0	15
56+60									0.0	0.0	0.0	0
58+67									0.0	0.0	0.0	0
59+62+75				28.0					28.0	0.0	0.0	28
61+70+74+76		14.0	2.4	80.0	62.0	21.0	34.0	8.5	31.7	29.1	58.2	90
83+99			1.3						1.3	0.0	0.0	1
83+99+112				61.0					61.0	0.0	0.0	61
85+116									0.0	0.0	0.0	0
85+116+117				49.0			11.0		30.0	26.9	53.7	84
86+87+97+108+119+125			1.7				40.0		20.9	27.1	54.2	75
86+87+97+109+119+125				130.0		15.0			72.5	81.3	162.6	235
88+91				29.0			7.5		18.3	15.2	30.4	49
90+101+113		40.1	1.2	122.0		45.9	48.4	4.1	43.6	43.7	87.4	131
93+100									0.0	0.0	0.0	0
93+95+98+100+102			2.3						2.3	0.0	0.0	2
93+98+100+102				46.0					46.0	0.0	0.0	46
98+102									0.0	0.0	0.0	0

EMDL SUMMARY - ALL DATA SOURCES	EMDL (pg/L)	DATA SOURCE
IUPAC (PCB #s)		
1	7	LAB 1
1	13	LAB 2
1	10	LAB 3
1	44	LAB 4
1	5	LAB 6
1	3	LAB 7
1	45	RW LAB BLANK
1	35	RW UNSPIKED
2	0	LAB 1
2	0	LAB 2
2	6	LAB 3
2	0	LAB 4
2	16	LAB 6
2	2	LAB 7
2	11	RW LAB BLANK
2	9	RW UNSPIKED
3	6	LAB 1
3	10	LAB 2
3	8	LAB 3
3	0	LAB 4
3	1048	LAB 5
3	12	LAB 6
3	4	LAB 7
3	20	RW LAB BLANK
3	28	RW UNSPIKED

EMDL SUMMARY - ALL DATA SOURCES	EMDL (pg/L)	DATA SOURCE
IUPAC (PCB #s)		
4	63	LAB 2
4	25	LAB 3
4	35	LAB 5
4	0	LAB 6
4	3	LAB 7
4	51	RW LAB BLANK
4	0	RW UNSPIKED
5	0	LAB 2
5	43	LAB 3
5	0	LAB 5
5	0	LAB 6
5	0	LAB 7
5	0	RW LAB BLANK
5	0	RW UNSPIKED
6	0	LAB 1
6	0	LAB 2
6	11	LAB 3
6	0	LAB 4
6	0	LAB 6
6	1	LAB 7
6	0	RW LAB BLANK
6	0	RW UNSPIKED
7	11	LAB 2
7	0	LAB 3
7	0	LAB 6
7	45	LAB 7

EMDL SUMMARY - ALL DATA SOURCES	EMDL (pg/L)	DATA SOURCE
IUPAC (PCB #s)		
7	0	RW LAB BLANK
7	3	RW UNSPIKED
8	54	LAB 2
8	51	LAB 3
8	71	LAB 5
8	0	LAB 6
8	3	LAB 7
8	0	RW LAB BLANK
8	97	RW UNSPIKED
9	37	LAB 2
9	0	LAB 3
9	0	LAB 6
9	0	LAB 7
9	0	RW LAB BLANK
9	3	RW UNSPIKED
10	0	LAB 2
10	0	LAB 3
10	0	LAB 5
10	0	LAB 6
10	0	LAB 7
10	0	RW LAB BLANK
10	0	RW UNSPIKED
11	17	LAB 1
11	48	LAB 2
11	113	LAB 3
11	0	LAB 4

EMDL SUMMARY - ALL DATA SOURCES	EMDL (pg/L)	DATA SOURCE
IUPAC (PCB #s)		
11	35	LAB 5
11	20	LAB 6
11	16	LAB 7
11	408	RW LAB BLANK
11	380	RW UNSPIKED
14	0	LAB 1
14	0	LAB 2
14	0	LAB 3
14	0	LAB 4
14	0	LAB 6
14	0	LAB 7
14	0	RW LAB BLANK
14	0	RW UNSPIKED
15	186	LAB 1
15	27	LAB 2
15	25	LAB 3
15	0	LAB 4
15	33	LAB 5
15	0	LAB 6
15	3	LAB 7
15	0	RW LAB BLANK
15	2	RW UNSPIKED
16	11	LAB 2
16	24	LAB 3
16	4	LAB 6
16	2	LAB 7

EMDL SUMMARY - ALL DATA SOURCES	EMDL (pg/L)	DATA SOURCE
IUPAC (PCB #s)		
16	6	RW LAB BLANK
16	81	RW UNSPIKED
17	0	LAB 1
17	26	LAB 2
17	20	LAB 3
17	0	LAB 4
17	36	LAB 5
17	3	LAB 6
17	2	LAB 7
17	45	RW LAB BLANK
17	52	RW UNSPIKED
18	25	LAB 1
18	35	LAB 4
18	6	LAB 6
19	0	LAB 1
19	0	LAB 2
19	4	LAB 3
19	0	LAB 4
19	9	LAB 5
19	2	LAB 6
19	3	LAB 7
19	12	RW LAB BLANK
19	17	RW UNSPIKED
22	0	LAB 1
22	12	LAB 2
22	26	LAB 3

EMDL SUMMARY - ALL DATA SOURCES	EMDL (pg/L)	DATA SOURCE
IUPAC (PCB #s)		
22	0	LAB 4
22	65	LAB 5
22	4	LAB 6
22	1	LAB 7
22	9	RW LAB BLANK
22	34	RW UNSPIKED
23	0	LAB 1
23	0	LAB 2
23	0	LAB 3
23	0	LAB 4
23	0	LAB 6
23	1	LAB 7
23	1	RW LAB BLANK
23	12	RW UNSPIKED
24	0	LAB 3
24	0	LAB 6
24	0	LAB 7
24	0	RW LAB BLANK
24	0	RW UNSPIKED
25	0	LAB 1
25	0	LAB 2
25	11	LAB 3
25	0	LAB 4
25	11	LAB 5
25	1	LAB 6
25	0	LAB 7

EMDL SUMMARY - ALL DATA SOURCES	EMDL (pg/L)	DATA SOURCE
IUPAC (PCB #s)		
25	1	RW LAB BLANK
25	10	RW UNSPIKED
26	0	LAB 1
26	0	LAB 2
26	0	LAB 4
27	0	LAB 2
27	3	LAB 3
27	0	LAB 6
27	1	LAB 7
27	0	RW LAB BLANK
27	5	RW UNSPIKED
28	18	LAB 1
28	0	LAB 4
29	0	LAB 1
29	0	LAB 2
29	0	LAB 4
30	0	LAB 1
30	0	LAB 4
31	18	LAB 1
31	24	LAB 2
31	65	LAB 3
31	0	LAB 4
31	97	LAB 5
31	8	LAB 6
31	4	LAB 7
31	20	RW LAB BLANK

EMDL SUMMARY - ALL DATA SOURCES	EMDL (pg/L)	DATA SOURCE
IUPAC (PCB #s)		
31	85	RW UNSPIKED
32	5	LAB 2
32	10	LAB 3
32	0	LAB 6
32	1	LAB 7
32	15	RW LAB BLANK
32	29	RW UNSPIKED
34	0	LAB 1
34	0	LAB 2
34	0	LAB 3
34	0	LAB 4
34	0	LAB 6
34	1	LAB 7
34	1	RW LAB BLANK
34	7	RW UNSPIKED
35	0	LAB 1
35	0	LAB 2
35	13	LAB 3
35	0	LAB 4
35	1	LAB 6
35	0	LAB 7
35	4	RW LAB BLANK
35	9	RW UNSPIKED
36	0	LAB 1
36	0	LAB 2
36	0	LAB 3

EMDL SUMMARY - ALL DATA SOURCES	EMDL (pg/L)	DATA SOURCE
IUPAC (PCB #s)		
36	0	LAB 4
36	0	LAB 6
36	0	LAB 7
36	1	RW LAB BLANK
36	7	RW UNSPIKED
37	10	LAB 1
37	0	LAB 2
37	21	LAB 3
37	0	LAB 4
37	37	LAB 5
37	3	LAB 6
37	1	LAB 7
37	11	RW LAB BLANK
37	28	RW UNSPIKED
38	0	LAB 1
38	0	LAB 2
38	0	LAB 3
38	0	LAB 4
38	0	LAB 6
38	0	LAB 7
38	0	RW LAB BLANK
38	8	RW UNSPIKED
39	0	LAB 1
39	0	LAB 2
39	0	LAB 3
39	0	LAB 4

EMDL SUMMARY - ALL DATA SOURCES	EMDL (pg/L)	DATA SOURCE
IUPAC (PCB #s)		
39	0	LAB 6
39	0	LAB 7
39	6	RW LAB BLANK
39	10	RW UNSPIKED
40	3	LAB 1
40	0	LAB 2
40	0	LAB 4
41	0	LAB 2
41	2	LAB 6
41	0	RW LAB BLANK
41	0	RW UNSPIKED
42	6	LAB 1
42	0	LAB 2
42	14	LAB 3
42	38	LAB 5
42	4	LAB 6
42	1	LAB 7
42	6	RW LAB BLANK
42	18	RW UNSPIKED
43	0	LAB 2
43	0	LAB 3
43	0	LAB 6
43	0	LAB 7
43	0	RW LAB BLANK
43	0	RW UNSPIKED
44	18	LAB 1

EMDL SUMMARY - ALL DATA SOURCES	EMDL (pg/L)	DATA SOURCE
IUPAC (PCB #s)		
44	0	LAB 4
45	5	LAB 1
45	0	LAB 2
45	0	LAB 4
45	0	RW LAB BLANK
45	0	RW UNSPIKED
46	1	LAB 1
46	0	LAB 2
46	3	LAB 3
46	0	LAB 4
46	5	LAB 5
46	0	LAB 6
46	0	LAB 7
46	0	RW LAB BLANK
46	13	RW UNSPIKED
47	0	LAB 4
47	0	RW LAB BLANK
47	0	RW UNSPIKED
48	0	LAB 2
48	8	LAB 3
48	25	LAB 5
48	2	LAB 6
48	1	LAB 7
48	0	RW LAB BLANK
48	16	RW UNSPIKED
49	7	LAB 2

EMDL SUMMARY - ALL DATA SOURCES	EMDL (pg/L)	DATA SOURCE
IUPAC (PCB #s)		
49	0	RW LAB BLANK
50	0	LAB 1
50	5	LAB 2
50	0	LAB 4
51	0	LAB 2
51	0	LAB 4
51	0	RW LAB BLANK
51	0	RW UNSPIKED
52	17	LAB 2
52	63	LAB 3
52	14	LAB 6
52	5	LAB 7
52	69	RW LAB BLANK
52	87	RW UNSPIKED
53	2	LAB 1
53	5	LAB 2
53	0	LAB 4
54	11	LAB 1
54	0	LAB 2
54	0	LAB 3
54	0	LAB 4
54	0	LAB 6
54	2	LAB 7
54	0	RW LAB BLANK
54	11	RW UNSPIKED
55	0	LAB 1

EMDL SUMMARY - ALL DATA SOURCES	EMDL (pg/L)	DATA SOURCE
IUPAC (PCB #s)		
55	0	LAB 2
55	0	LAB 3
55	0	LAB 4
55	2	LAB 6
55	0	LAB 7
55	0	RW LAB BLANK
55	8	RW UNSPIKED
56	0	LAB 2
56	24	LAB 3
56	78	LAB 5
56	7	LAB 6
56	1	LAB 7
56	32	RW LAB BLANK
56	35	RW UNSPIKED
57	0	LAB 1
57	0	LAB 2
57	0	LAB 3
57	0	LAB 4
57	0	LAB 6
57	0	LAB 7
57	0	RW LAB BLANK
57	7	RW UNSPIKED
58	1	LAB 1
58	0	LAB 2
58	0	LAB 3
58	0	LAB 4

EMDL SUMMARY - ALL DATA SOURCES	EMDL (pg/L)	DATA SOURCE
IUPAC (PCB #s)		
58	0	LAB 6
58	0	LAB 7
58	0	RW LAB BLANK
58	9	RW UNSPIKED
59	4	LAB 1
59	0	LAB 2
60	0	LAB 2
60	15	LAB 3
60	37	LAB 5
60	0	LAB 6
60	1	LAB 7
60	10	RW LAB BLANK
60	17	RW UNSPIKED
62	0	LAB 1
62	0	LAB 2
62	0	LAB 4
63	0	LAB 1
63	0	LAB 2
63	0	LAB 3
63	0	LAB 4
63	4	LAB 5
63	0	LAB 6
63	0	LAB 7
63	0	RW LAB BLANK
63	6	RW UNSPIKED
64	0	LAB 2

EMDL SUMMARY - ALL DATA SOURCES		
IUPAC (PCB #s)	EMDL (pg/L)	DATA SOURCE
64	26	LAB 3
64	67	LAB 5
64	7	LAB 6
64	1	LAB 7
64	13	RW LAB BLANK
64	24	RW UNSPIKED
65	0	LAB 1
65	0	LAB 4
66	17	LAB 2
66	42	LAB 3
66	125	LAB 5
66	7	LAB 6
66	3	LAB 7
66	31	RW LAB BLANK
66	39	RW UNSPIKED
67	0	LAB 1
67	0	LAB 2
67	0	LAB 3
67	0	LAB 4
67	0	LAB 6
67	0	LAB 7
67	0	RW LAB BLANK
67	8	RW UNSPIKED
68	0	LAB 2
68	6	LAB 3
68	0	LAB 4

EMDL SUMMARY - ALL DATA SOURCES	EMDL (pg/L)	DATA SOURCE
IUPAC (PCB #s)		
68	0	LAB 6
68	0	LAB 7
68	0	RW LAB BLANK
68	5	RW UNSPIKED
69	18	LAB 1
69	7	LAB 2
70	12	LAB 1
71	4	LAB 1
71	0	LAB 2
72	0	LAB 1
72	0	LAB 2
72	0	LAB 3
72	0	LAB 6
72	0	LAB 7
72	0	RW LAB BLANK
72	6	RW UNSPIKED
73	0	LAB 2
73	0	LAB 3
73	0	LAB 4
73	0	LAB 6
73	0	LAB 7
73	0	RW LAB BLANK
73	0	RW UNSPIKED
74	0	LAB 4
75	0	LAB 2
75	0	LAB 4

EMDL SUMMARY - ALL DATA SOURCES	EMDL (pg/L)	DATA SOURCE
IUPAC (PCB #s)		
76	10	LAB 1
77	2	LAB 1
77	0	LAB 2
77	5	LAB 3
77	9	LAB 4
77	16	LAB 5
77	5	LAB 6
77	1	LAB 7
77	18	RW LAB BLANK
77	19	RW UNSPIKED
78	0	LAB 1
78	0	LAB 2
78	0	LAB 3
78	0	LAB 4
78	0	LAB 6
78	0	LAB 7
78	0	RW LAB BLANK
78	7	RW UNSPIKED
79	1	LAB 1
79	0	LAB 2
79	0	LAB 3
79	0	LAB 4
79	10	LAB 6
79	0	LAB 7
79	0	RW LAB BLANK
79	9	RW UNSPIKED

EMDL SUMMARY - ALL DATA SOURCES	EMDL (pg/L)	DATA SOURCE
IUPAC (PCB #s)		
80	0	LAB 2
80	0	LAB 3
80	0	LAB 4
80	0	LAB 6
80	0	LAB 7
80	0	RW LAB BLANK
80	5	RW UNSPIKED
81	1	LAB 1
81	0	LAB 2
81	0	LAB 3
81	3	LAB 4
81	0	LAB 5
81	0	LAB 6
81	2	LAB 7
81	4	RW LAB BLANK
81	9	RW UNSPIKED
82	0	LAB 2
82	10	LAB 3
82	0	LAB 4
82	46	LAB 5
82	32	LAB 6
82	0	LAB 7
82	7	RW LAB BLANK
82	44	RW UNSPIKED
83	0	LAB 2
83	0	LAB 4

EMDL SUMMARY - ALL DATA SOURCES	EMDL (pg/L)	DATA SOURCE
IUPAC (PCB #s)		
83	9	LAB 6
83	0	RW LAB BLANK
83	0	RW UNSPIKED
84	4	LAB 1
84	0	LAB 2
84	19	LAB 3
84	140	LAB 5
84	32	LAB 6
84	1	LAB 7
84	22	RW LAB BLANK
84	70	RW UNSPIKED
85	0	LAB 2
86	0	LAB 4
88	0	LAB 2
88	0	RW LAB BLANK
88	0	RW UNSPIKED
89	0	LAB 2
89	0	LAB 3
89	0	LAB 4
89	0	LAB 6
89	0	LAB 7
89	0	RW LAB BLANK
89	15	RW UNSPIKED
91	2	LAB 1
91	0	LAB 2
91	0	RW LAB BLANK

EMDL SUMMARY - ALL DATA SOURCES	EMDL (pg/L)	DATA SOURCE
IUPAC (PCB #s)		
91	0	RW UNSPIKED
92	3	LAB 1
92	0	LAB 2
92	20	LAB 3
92	72	LAB 5
92	20	LAB 6
92	0	LAB 7
92	15	RW LAB BLANK
92	50	RW UNSPIKED
93	0	LAB 2
93	0	LAB 4
94	0	LAB 1
94	0	LAB 2
94	0	LAB 3
94	0	LAB 4
94	0	LAB 6
94	0	LAB 7
94	0	RW LAB BLANK
94	12	RW UNSPIKED
95	28	LAB 2
95	91	LAB 3
95	430	LAB 5
95	62	LAB 6
95	65	RW LAB BLANK
95	109	RW UNSPIKED
96	0	LAB 1

EMDL SUMMARY - ALL DATA SOURCES	EMDL (pg/L)	DATA SOURCE
IUPAC (PCB #s)		
96	0	LAB 2
96	0	LAB 3
96	0	LAB 4
96	0	LAB 6
96	0	LAB 7
96	0	RW LAB BLANK
96	11	RW UNSPIKED
97	0	LAB 4
98	0	LAB 2
98	0	RW LAB BLANK
98	0	RW UNSPIKED
99	11	LAB 1
99	0	LAB 2
99	0	LAB 4
99	34	LAB 6
99	24	RW LAB BLANK
99	11	RW UNSPIKED
100	0	LAB 1
100	0	LAB 2
100	0	LAB 4
102	0	LAB 2
102	0	RW LAB BLANK
102	0	RW UNSPIKED
103	0	LAB 1
103	0	LAB 2
103	0	LAB 3

EMDL SUMMARY - ALL DATA SOURCES	EMDL (pg/L)	DATA SOURCE
IUPAC (PCB #s)		
103	0	LAB 4
103	0	LAB 6
103	0	LAB 7
103	0	RW LAB BLANK
103	11	RW UNSPIKED
104	2	LAB 1
104	0	LAB 2
104	0	LAB 3
104	0	LAB 4
104	0	LAB 5
104	0	LAB 6
104	3	LAB 7
104	0	RW LAB BLANK
104	17	RW UNSPIKED
105	0	LAB 2
105	17	LAB 3
105	6	LAB 4
105	106	LAB 5
105	45	LAB 6
105	2	LAB 7
105	48	RW LAB BLANK
105	49	RW UNSPIKED
106	0	LAB 2
106	0	LAB 3
106	0	LAB 6
106	0	LAB 7

EMDL SUMMARY - ALL DATA SOURCES	EMDL (pg/L)	DATA SOURCE
IUPAC (PCB #s)		
106	0	RW LAB BLANK
106	6	RW UNSPIKED
107	0	LAB 2
107	2	LAB 3
107	0	RW LAB BLANK
107	0	RW UNSPIKED
108	0	LAB 2
109	9	LAB 6
109	0	LAB 7
109	0	RW LAB BLANK
109	0	RW UNSPIKED
110	10	LAB 1
110	0	LAB 4
110	4	RW LAB BLANK
110	12	RW UNSPIKED
111	0	LAB 2
111	0	LAB 3
111	0	LAB 6
111	0	LAB 7
111	0	LAB 7
111	0	RW LAB BLANK
111	10	RW UNSPIKED
112	0	LAB 1
112	0	LAB 2
112	0	LAB 3
112	2	LAB 6

EMDL SUMMARY - ALL DATA SOURCES	EMDL (pg/L)	DATA SOURCE
IUPAC (PCB #s)		
112	0	LAB 7
112	0	RW LAB BLANK
112	0	RW UNSPIKED
113	0	LAB 1
113	0	LAB 4
113	0	RW LAB BLANK
114	2	LAB 1
114	0	LAB 2
114	0	LAB 3
114	0	LAB 4
114	0	LAB 5
114	2	LAB 6
114	2	LAB 7
114	0	RW LAB BLANK
114	9	RW UNSPIKED
115	0	RW LAB BLANK
115	0	RW UNSPIKED
116	0	LAB 2
117	0	LAB 2
117	0	RW LAB BLANK
117	0	RW UNSPIKED
118	21	LAB 2
118	54	LAB 3
118	256	LAB 5
118	69	LAB 6
118	4	LAB 7

EMDL SUMMARY - ALL DATA SOURCES	EMDL (pg/L)	DATA SOURCE
IUPAC (PCB #s)		
118	0	RW LAB BLANK
118	62	RW LAB BLANK
118	87	RW UNSPIKED
119	0	LAB 4
120	0	LAB 2
120	0	LAB 3
120	0	LAB 4
120	0	LAB 6
120	0	LAB 7
120	0	RW LAB BLANK
120	12	RW UNSPIKED
121	0	LAB 2
121	0	LAB 3
121	0	LAB 4
121	0	LAB 6
121	0	LAB 7
121	0	RW LAB BLANK
121	0	RW UNSPIKED
122	0	LAB 1
122	0	LAB 2
122	0	LAB 3
122	0	LAB 4
122	0	LAB 6
122	0	LAB 7
122	0	RW LAB BLANK
122	7	RW UNSPIKED

EMDL SUMMARY - ALL DATA SOURCES	EMDL (pg/L)	DATA SOURCE
IUPAC (PCB #s)		
123	1	LAB 1
123	0	LAB 2
123	0	LAB 3
123	0	LAB 4
123	0	LAB 6
123	1	LAB 7
123	0	RW LAB BLANK
123	0	RW UNSPIKED
124	0	LAB 1
124	0	LAB 2
124	0	LAB 4
126	1	LAB 1
126	0	LAB 2
126	0	LAB 3
126	5	LAB 4
126	0	LAB 5
126	3	LAB 6
126	1	LAB 7
126	1	RW LAB BLANK
126	10	RW UNSPIKED
127	0	LAB 2
127	0	LAB 3
127	0	LAB 4
127	0	LAB 6
127	0	LAB 7
127	0	RW LAB BLANK

EMDL SUMMARY - ALL DATA SOURCES	EMDL (pg/L)	DATA SOURCE
IUPAC (PCB #s)		
127	7	RW UNSPIKED
128	5	LAB 1
128	0	LAB 2
129	0	LAB 1
129	0	LAB 4
130	2	LAB 1
130	0	LAB 2
130	6	LAB 3
130	0	LAB 4
130	14	LAB 6
130	0	LAB 7
130	0	RW LAB BLANK
130	12	RW UNSPIKED
131	0	LAB 2
131	0	LAB 3
131	0	LAB 4
131	5	LAB 6
131	0	LAB 7
131	0	RW LAB BLANK
131	0	RW UNSPIKED
132	0	LAB 2
132	79	LAB 3
132	105	LAB 5
132	84	LAB 6
132	1	LAB 7
132	25	RW LAB BLANK

EMDL SUMMARY - ALL DATA SOURCES	EMDL (pg/L)	DATA SOURCE
IUPAC (PCB #s)		
132	60	RW UNSPIKED
133	1	LAB 1
133	0	LAB 2
133	0	LAB 3
133	19	LAB 6
133	0	LAB 7
133	0	RW LAB BLANK
133	9	RW UNSPIKED
134	1	LAB 1
134	0	LAB 2
134	14	LAB 6
134	0	RW LAB BLANK
134	0	RW UNSPIKED
135	0	LAB 2
135	0	LAB 4
136	6	LAB 1
136	0	LAB 2
136	40	LAB 3
136	0	LAB 4
136	58	LAB 5
136	15	LAB 6
136	0	LAB 7
136	9	RW LAB BLANK
136	18	RW UNSPIKED
137	1	LAB 1
137	0	LAB 2

EMDL SUMMARY - ALL DATA SOURCES	EMDL (pg/L)	DATA SOURCE
IUPAC (PCB #s)		
137	0	LAB 3
137	0	LAB 4
137	19	LAB 6
137	0	LAB 7
137	0	RW LAB BLANK
137	0	RW UNSPIKED
139	0	LAB 2
140	3	LAB 1
140	0	LAB 2
140	0	LAB 4
141	3	LAB 1
141	0	LAB 2
141	86	LAB 3
141	0	LAB 4
141	56	LAB 5
141	26	LAB 6
141	1	LAB 7
141	22	RW LAB BLANK
141	18	RW UNSPIKED
142	0	LAB 2
142	0	LAB 3
142	0	LAB 6
142	0	LAB 7
142	0	RW LAB BLANK
142	6	RW UNSPIKED

EMDL SUMMARY - ALL DATA SOURCES	EMDL (pg/L)	DATA SOURCE
IUPAC (PCB #s)		
143	0	LAB 1
143	0	LAB 2
143	2	LAB 6
143	0	RW LAB BLANK
143	0	RW UNSPIKED
144	0	LAB 2
144	23	LAB 3
144	0	LAB 4
144	11	LAB 6
144	0	LAB 7
144	0	RW LAB BLANK
144	12	RW UNSPIKED
145	0	LAB 1
145	0	LAB 2
145	0	LAB 3
145	0	LAB 4
145	0	LAB 6
145	0	LAB 7
145	0	RW LAB BLANK
145	8	RW UNSPIKED
146	3	LAB 1
146	0	LAB 2
146	57	LAB 3
146	18	LAB 6
146	0	LAB 7

EMDL SUMMARY - ALL DATA SOURCES	EMDL (pg/L)	DATA SOURCE
IUPAC (PCB #s)		
146	0	RW LAB BLANK
146	4	RW UNSPIKED
147	0	LAB 4
147	0	RW LAB BLANK
148	0	LAB 1
148	0	LAB 2
148	0	LAB 3
148	0	LAB 4
148	0	LAB 6
148	0	LAB 7
148	0	RW LAB BLANK
148	8	RW UNSPIKED
150	0	LAB 1
150	0	LAB 2
150	0	LAB 3
150	0	LAB 4
150	0	LAB 6
150	0	LAB 7
150	0	RW LAB BLANK
150	7	RW UNSPIKED
151	0	LAB 1
151	0	LAB 2
151	0	LAB 4
152	0	LAB 1
152	0	LAB 2
152	0	LAB 3

EMDL SUMMARY - ALL DATA SOURCES	EMDL (pg/L)	DATA SOURCE
IUPAC (PCB #s)		
152	0	LAB 4
152	0	LAB 6
152	0	LAB 7
152	0	RW LAB BLANK
152	7	RW UNSPIKED
153	26	LAB 1
153	0	LAB 4
154	0	LAB 1
154	0	LAB 2
154	0	LAB 3
154	0	LAB 4
154	0	LAB 6
154	0	RW LAB BLANK
154	0	RW UNSPIKED
155	1	LAB 1
155	0	LAB 2
155	0	LAB 3
155	0	LAB 4
155	0	LAB 6
155	5	LAB 7
155	0	RW LAB BLANK
155	7	RW UNSPIKED
156	1	LAB 1
156	0	LAB 2
156	5	LAB 4
157	1	LAB 1

EMDL SUMMARY - ALL DATA SOURCES	EMDL (pg/L)	DATA SOURCE
IUPAC (PCB #s)		
157	0	LAB 2
157	5	LAB 4
158	0	LAB 2
158	19	LAB 3
158	29	LAB 5
158	16	LAB 6
158	0	LAB 7
158	4	RW LAB BLANK
158	18	RW UNSPIKED
159	0	LAB 1
159	0	LAB 2
159	0	LAB 3
159	0	LAB 4
159	1	LAB 6
159	0	LAB 7
159	0	RW LAB BLANK
159	9	RW UNSPIKED
160	0	LAB 2
160	0	LAB 3
160	0	LAB 6
160	0	RW LAB BLANK
160	0	RW UNSPIKED
161	0	LAB 1
161	0	LAB 2
161	0	LAB 3
161	0	LAB 6

EMDL SUMMARY - ALL DATA SOURCES	EMDL (pg/L)	DATA SOURCE
IUPAC (PCB #s)		
161	0	LAB 7
161	0	RW LAB BLANK
161	0	RW UNSPIKED
162	0	LAB 1
162	0	LAB 2
162	0	LAB 3
162	1	LAB 6
162	0	LAB 7
162	0	RW LAB BLANK
162	8	RW UNSPIKED
163	0	RW LAB BLANK
164	0	LAB 2
164	2	LAB 3
164	7	LAB 6
164	0	LAB 7
164	0	RW LAB BLANK
164	7	RW UNSPIKED
165	0	LAB 2
165	0	LAB 3
165	0	LAB 6
165	0	LAB 7
165	0	RW LAB BLANK
165	10	RW UNSPIKED
166	1	LAB 1
166	0	LAB 2
166	0	LAB 4

EMDL SUMMARY - ALL DATA SOURCES	EMDL (pg/L)	DATA SOURCE
IUPAC (PCB #s)		
167	3	LAB 1
167	0	LAB 2
167	6	LAB 3
167	0	LAB 4
167	20	LAB 5
167	5	LAB 6
167	1	LAB 7
167	5	RW LAB BLANK
167	9	RW UNSPIKED
168	0	LAB 4
169	3	LAB 1
169	0	LAB 2
169	0	LAB 3
169	10	LAB 4
169	20	LAB 5
169	0	LAB 6
169	0	LAB 6
169	1	LAB 7
169	38	RW LAB BLANK
169	20	RW UNSPIKED
170	0	LAB 2
170	103	LAB 3
170	0	LAB 4
170	27	LAB 5
170	8	LAB 6
170	2	LAB 7

EMDL SUMMARY - ALL DATA SOURCES	EMDL (pg/L)	DATA SOURCE
IUPAC (PCB #s)		
170	85	RW LAB BLANK
170	23	RW UNSPIKED
171	0	LAB 1
171	0	LAB 2
171	0	LAB 4
172	0	LAB 2
172	10	LAB 3
172	0	LAB 4
172	5	LAB 5
172	0	LAB 6
172	0	LAB 7
172	8	RW LAB BLANK
172	10	RW UNSPIKED
173	1	LAB 1
173	0	LAB 2
173	0	LAB 4
174	18	LAB 1
174	3	LAB 2
174	173	LAB 3
174	0	LAB 4
174	12	LAB 6
174	1	LAB 7
174	0	RW LAB BLANK
174	21	RW UNSPIKED
175	0	LAB 1
175	0	LAB 2

EMDL SUMMARY - ALL DATA SOURCES	EMDL (pg/L)	DATA SOURCE
IUPAC (PCB #s)		
175	0	LAB 3
175	0	LAB 4
175	0	LAB 6
175	0	LAB 7
175	0	RW LAB BLANK
175	12	RW UNSPIKED
176	0	LAB 1
176	0	LAB 2
176	24	LAB 3
176	0	LAB 4
176	3	LAB 6
176	0	LAB 7
176	7	RW LAB BLANK
176	8	RW UNSPIKED
177	0	LAB 1
177	0	LAB 2
177	99	LAB 3
177	0	LAB 4
177	25	LAB 5
177	3	LAB 6
177	0	LAB 7
177	41	RW LAB BLANK
177	16	RW UNSPIKED
178	0	LAB 1
178	0	LAB 2
178	15	LAB 3

EMDL SUMMARY - ALL DATA SOURCES	EMDL (pg/L)	DATA SOURCE
IUPAC (PCB #s)		
178	0	LAB 4
178	11	LAB 5
178	0	LAB 6
178	0	LAB 7
178	48	RW LAB BLANK
178	12	RW UNSPIKED
179	0	LAB 1
179	0	LAB 2
179	76	LAB 3
179	0	LAB 4
179	27	LAB 5
179	7	LAB 6
179	1	LAB 7
179	41	RW LAB BLANK
179	19	RW UNSPIKED
180	44	LAB 1
180	0	LAB 4
181	18	LAB 1
181	0	LAB 2
181	0	LAB 3
181	0	LAB 4
181	0	LAB 6
181	1	LAB 7
181	0	RW LAB BLANK
181	8	RW UNSPIKED
182	0	LAB 2

EMDL SUMMARY - ALL DATA SOURCES	EMDL (pg/L)	DATA SOURCE
IUPAC (PCB #s)		
182	249	LAB 3
182	0	LAB 6
182	2	LAB 7
182	0	RW LAB BLANK
182	7	RW UNSPIKED
183	11	LAB 1
183	0	LAB 2
183	126	LAB 3
183	0	LAB 4
183	0	RW LAB BLANK
183	17	RW UNSPIKED
184	0	LAB 1
184	0	LAB 2
184	0	LAB 3
184	0	LAB 4
184	0	LAB 6
184	0	LAB 7
184	0	RW LAB BLANK
184	7	RW UNSPIKED
185	0	LAB 1
185	0	LAB 2
185	7	LAB 3
185	0	LAB 4
185	0	RW LAB BLANK
185	0	RW UNSPIKED
186	0	LAB 1

EMDL SUMMARY - ALL DATA SOURCES	EMDL (pg/L)	DATA SOURCE
IUPAC (PCB #s)		
186	0	LAB 2
186	0	LAB 3
186	0	LAB 4
186	0	LAB 6
186	0	LAB 7
186	0	RW LAB BLANK
186	12	RW UNSPIKED
187	11	LAB 2
187	65	LAB 3
187	65	LAB 5
187	11	LAB 6
187	2	LAB 7
187	1	RW LAB BLANK
187	29	RW UNSPIKED
188	0	LAB 1
188	0	LAB 2
188	0	LAB 3
188	0	LAB 4
188	0	LAB 6
188	3	LAB 7
188	0	RW LAB BLANK
188	0	RW LAB BLANK
188	8	RW UNSPIKED
189	1	LAB 1
189	0	LAB 2
189	8	LAB 3

EMDL SUMMARY - ALL DATA SOURCES	EMDL (pg/L)	DATA SOURCE
IUPAC (PCB #s)		
189	3	LAB 4
189	38	LAB 5
189	0	LAB 6
189	1	LAB 7
189	15	RW LAB BLANK
189	8	RW UNSPIKED
190	0	LAB 2
190	10	LAB 3
190	0	LAB 4
190	5	LAB 5
190	0	LAB 6
190	0	LAB 7
190	13	RW LAB BLANK
190	9	RW UNSPIKED
191	0	LAB 1
191	0	LAB 2
191	0	LAB 3
191	0	LAB 4
191	0	LAB 5
191	0	LAB 6
191	0	LAB 7
191	0	RW LAB BLANK
191	7	RW UNSPIKED
192	0	LAB 2
192	0	LAB 3
192	0	LAB 4

EMDL SUMMARY - ALL DATA SOURCES	EMDL (pg/L)	DATA SOURCE
IUPAC (PCB #s)		
192	0	LAB 6
192	0	LAB 7
192	0	RW LAB BLANK
192	8	RW UNSPIKED
193	0	LAB 1
193	0	LAB 4
194	29	LAB 1
194	0	LAB 2
194	76	LAB 3
194	0	LAB 4
194	18	LAB 5
194	0	LAB 6
194	1	LAB 7
194	354	RW LAB BLANK
194	134	RW UNSPIKED
195	2	LAB 1
195	0	LAB 2
195	7	LAB 3
195	0	LAB 4
195	4	LAB 5
195	0	LAB 6
195	0	LAB 7
195	121	RW LAB BLANK
195	7	RW UNSPIKED
196	0	LAB 2
196	10	LAB 3

EMDL SUMMARY - ALL DATA SOURCES	EMDL (pg/L)	DATA SOURCE
IUPAC (PCB #s)		
196	7	LAB 5
196	0	LAB 6
196	1	LAB 7
196	0	RW LAB BLANK
196	10	RW UNSPIKED
197	0	LAB 1
197	0	LAB 2
197	9	LAB 3
197	0	LAB 4
197	0	RW LAB BLANK
197	0	RW UNSPIKED
198	0	LAB 1
198	0	LAB 2
198	0	LAB 4
199	27	LAB 1
199	0	LAB 2
199	0	LAB 4
200	0	LAB 1
200	0	LAB 2
200	3	LAB 3
200	0	LAB 4
200	0	RW LAB BLANK
200	0	RW UNSPIKED
201	0	LAB 1
201	0	LAB 2
201	21	LAB 3

EMDL SUMMARY - ALL DATA SOURCES	EMDL (pg/L)	DATA SOURCE
IUPAC (PCB #s)		
201	0	LAB 4
201	3	LAB 5
201	0	LAB 6
201	0	LAB 7
201	87	RW LAB BLANK
201	15	RW UNSPIKED
202	3	LAB 1
202	0	LAB 2
202	30	LAB 3
202	0	LAB 4
202	0	LAB 6
202	2	LAB 7
202	29	RW LAB BLANK
202	13	RW UNSPIKED
203	0	LAB 2
203	73	LAB 3
203	0	LAB 4
203	10	LAB 5
203	0	LAB 6
203	1	LAB 7
203	0	RW LAB BLANK
203	19	RW UNSPIKED
204	0	LAB 1
204	0	LAB 2
204	0	LAB 3
204	0	LAB 4

EMDL SUMMARY - ALL DATA SOURCES	EMDL (pg/L)	DATA SOURCE
IUPAC (PCB #s)		
204	0	LAB 6
204	0	LAB 7
204	0	RW LAB BLANK
204	7	RW UNSPIKED
205	2	LAB 1
205	0	LAB 2
205	1	LAB 3
205	0	LAB 4
205	46	LAB 5
205	0	LAB 6
205	0	LAB 7
205	22	RW LAB BLANK
205	11	RW UNSPIKED
206	11	LAB 1
206	0	LAB 2
206	16	LAB 3
206	0	LAB 4
206	62	LAB 5
206	0	LAB 6
206	0	LAB 7
206	629	RW LAB BLANK
206	145	RW UNSPIKED
207	0	LAB 1
207	0	LAB 2
207	0	LAB 3
207	0	LAB 4

EMDL SUMMARY - ALL DATA SOURCES	EMDL (pg/L)	DATA SOURCE
IUPAC (PCB #s)		
207	0	LAB 5
207	0	LAB 6
207	1	LAB 7
207	33	RW LAB BLANK
207	16	RW UNSPIKED
208	2	LAB 1
208	0	LAB 2
208	0	LAB 3
208	0	LAB 4
208	15	LAB 5
208	0	LAB 6
208	6	LAB 7
208	43	RW LAB BLANK
208	20	RW UNSPIKED
209	4	LAB 1
209	0	LAB 2
209	60	LAB 3
209	0	LAB 4
209	49	LAB 5
209	3	LAB 6
209	2	LAB 7
209	32	RW LAB BLANK
209	13	RW UNSPIKED
105+127	5	LAB 1
106+107+123	30	LAB 5
106+107+123	0	RW LAB BLANK

EMDL SUMMARY - ALL DATA SOURCES	EMDL (pg/L)	DATA SOURCE
IUPAC (PCB #s)		
106+107+123	22	RW UNSPIKED
106+109+123	0	RW LAB BLANK
106+109+123	0	RW UNSPIKED
106+118	14	LAB 1
106+118	11	LAB 4
107+109	0	LAB 1
107+109	0	LAB 4
107+124	8	LAB 6
107+124	0	LAB 7
107+124	0	RW LAB BLANK
107+124	0	RW UNSPIKED
108+112	0	LAB 4
108+124	0	LAB 3
108+124	0	RW LAB BLANK
108+124	14	RW UNSPIKED
110+115	0	LAB 2
110+115	84	LAB 3
110+115	364	LAB 5
110+115	219	LAB 6
110+115	6	LAB 7
110+115	99	RW LAB BLANK
110+115	157	RW UNSPIKED
111+115	0	LAB 4
114+122	0	RW LAB BLANK
114+122	0	RW UNSPIKED
115+116	5	LAB 1

EMDL SUMMARY - ALL DATA SOURCES	EMDL (pg/L)	DATA SOURCE
IUPAC (PCB #s)		
12+13	0	LAB 1
12+13	52	LAB 2
12+13	0	LAB 3
12+13	0	LAB 4
12+13	0	LAB 6
12+13	0	LAB 7
12+13	0	RW LAB BLANK
12+13	0	RW UNSPIKED
128+162	0	LAB 4
128+166	17	LAB 3
128+166	49	LAB 5
128+166	27	LAB 6
128+166	0	LAB 7
128+166	10	RW LAB BLANK
128+166	43	RW UNSPIKED
129+138+160+163	322	LAB 5
129+138+160+163	4	LAB 7
129+138+160+163	48	RW LAB BLANK
129+138+160+163	145	RW UNSPIKED
129+138+163	36	LAB 2
129+138+163	163	LAB 3
129+138+163	135	LAB 6
129+138+163	70	RW LAB BLANK
129+138+163	83	RW UNSPIKED
130+137+164	0	RW LAB BLANK
130+137+164	0	RW UNSPIKED

EMDL SUMMARY - ALL DATA SOURCES	EMDL (pg/L)	DATA SOURCE
IUPAC (PCB #s)		
131+142	0	RW LAB BLANK
131+142	0	RW UNSPIKED
131+142+165	0	LAB 1
132+161	0	LAB 4
132+168	4	LAB 1
133+142	0	LAB 4
134+143	11	LAB 3
134+143	0	LAB 4
134+143	23	LAB 5
134+143	0	LAB 7
134+143	0	RW LAB BLANK
134+143	18	RW UNSPIKED
134+147+149	69	RW LAB BLANK
134+147+149	40	RW UNSPIKED
135+144	4	LAB 1
135+151	149	LAB 3
135+151	42	LAB 6
135+151	11	RW LAB BLANK
135+151	31	RW UNSPIKED
135+151+154	105	LAB 5
135+151+154	1	LAB 7
135+151+154	22	RW LAB BLANK
135+151+154	52	RW UNSPIKED
137+164	40	LAB 5
137+164	0	RW LAB BLANK
137+164	21	RW UNSPIKED

EMDL SUMMARY - ALL DATA SOURCES	EMDL (pg/L)	DATA SOURCE
IUPAC (PCB #s)		
138+163+164	15	LAB 1
138+163+164	0	LAB 4
139+140	0	LAB 3
139+140	4	LAB 6
139+140	0	LAB 7
139+140	0	RW LAB BLANK
139+140	18	RW UNSPIKED
139+149	35	LAB 1
139+149	0	LAB 4
141+153+168	47	RW LAB BLANK
141+153+168	0	RW UNSPIKED
146+161	55	LAB 5
146+161	5	RW LAB BLANK
146+161	24	RW UNSPIKED
146+165	0	LAB 4
147+149	7	LAB 2
147+149	253	LAB 3
147+149	330	LAB 5
147+149	103	LAB 6
147+149	3	LAB 7
147+149	34	RW LAB BLANK
147+149	93	RW UNSPIKED
150+152	0	RW LAB BLANK
150+152	0	RW UNSPIKED
153+168	8	LAB 2
153+168	278	LAB 3

EMDL SUMMARY - ALL DATA SOURCES	EMDL (pg/L)	DATA SOURCE
IUPAC (PCB #s)		
153+168	294	LAB 5
153+168	64	LAB 6
153+168	4	LAB 7
153+168	42	RW LAB BLANK
153+168	101	RW UNSPIKED
156 + 157	2	LAB 7
156+157	11	LAB 3
156+157	45	LAB 5
156+157	10	LAB 6
156+157	15	RW LAB BLANK
156+157	22	RW UNSPIKED
158+160	1	LAB 1
158+160	0	LAB 4
16+24	0	RW LAB BLANK
16+24	0	RW UNSPIKED
16+24+27	44	LAB 5
16+24+27	6	RW LAB BLANK
16+24+27	31	RW UNSPIKED
16+32	0	LAB 1
16+32	0	LAB 4
170+190	10	LAB 1
171+173	44	LAB 3
171+173	13	LAB 5
171+173	2	LAB 6
171+173	0	LAB 7
172+173	0	RW LAB BLANK

EMDL SUMMARY - ALL DATA SOURCES	EMDL (pg/L)	DATA SOURCE
IUPAC (PCB #s)		
172+173	25	RW UNSPIKED
172+173+181	7	RW LAB BLANK
172+173+181	0	RW UNSPIKED
172+192	0	LAB 1
174+183+185	77	LAB 5
174+183+185	11	RW LAB BLANK
174+183+185	166	RW UNSPIKED
18 + 30	4	LAB 7
18+30	45	LAB 2
18+30	32	LAB 3
18+30	71	LAB 5
18+30	63	RW LAB BLANK
18+30	91	RW UNSPIKED
180+193	10	LAB 2
180+193	325	LAB 3
180+193	69	LAB 5
180+193	10	LAB 6
180+193	2	LAB 7
180+193	576	RW LAB BLANK
180+193	112	RW UNSPIKED
182+187	23	LAB 1
182+187	0	LAB 4
182+187	367	RW LAB BLANK
182+187	0	RW UNSPIKED
183+185	6	LAB 6
183+185	1	LAB 7

EMDL SUMMARY - ALL DATA SOURCES	EMDL (pg/L)	DATA SOURCE
IUPAC (PCB #s)		
183+185	0	RW LAB BLANK
183+185	0	RW UNSPIKED
196+203	0	LAB 1
196+203	0	LAB 4
196+203	729	RW LAB BLANK
196+203	182	RW UNSPIKED
197+200	3	LAB 5
197+200	0	LAB 6
197+200	0	LAB 7
197+200	48	RW LAB BLANK
197+200	14	RW UNSPIKED
198+199	89	LAB 3
198+199	13	LAB 5
198+199	0	LAB 6
198+199	1	LAB 7
198+199	437	RW LAB BLANK
198+199	161	RW UNSPIKED
20+21+28+33	218	LAB 5
20+21+28+33	107	RW LAB BLANK
20+21+28+33	135	RW UNSPIKED
20+21+33	0	LAB 1
20+21+33	0	LAB 4
20+28	34	LAB 2
20+28	79	LAB 3
20+28	9	LAB 6
20+28	4	LAB 7

EMDL SUMMARY - ALL DATA SOURCES	EMDL (pg/L)	DATA SOURCE
IUPAC (PCB #s)		
20+28	31	RW LAB BLANK
20+28	84	RW UNSPIKED
21+23	3	LAB 7
21+33	23	LAB 2
21+33	37	LAB 3
21+33	7	LAB 6
21+33	18	RW LAB BLANK
21+33	58	RW UNSPIKED
23+24	0	RW LAB BLANK
23+24	0	RW UNSPIKED
24+27	0	LAB 1
24+27	0	LAB 4
26+29	17	LAB 3
26+29	24	LAB 5
26+29	3	LAB 6
26+29	1	LAB 7
26+29	6	RW LAB BLANK
26+29	23	RW UNSPIKED
4+10	161	LAB 1
4+10	0	LAB 4
40+41+71	28	LAB 3
40+41+71	85	LAB 5
40+41+71	2	LAB 7
40+41+71	29	RW LAB BLANK
40+41+71	84	RW UNSPIKED
40+71	7	LAB 6

EMDL SUMMARY - ALL DATA SOURCES	EMDL (pg/L)	DATA SOURCE
IUPAC (PCB #s)		
40+71	9	RW LAB BLANK
40+71	10	RW UNSPIKED
41+64+68	7	LAB 1
41+64+71+75	0	LAB 4
42+59	0	LAB 4
42+59+62+75	11	RW LAB BLANK
42+59+62+75	0	RW UNSPIKED
43+49	22	LAB 1
43+49	0	LAB 4
43+52+73	489	LAB 5
43+52+73	58	RW LAB BLANK
43+52+73	102	RW UNSPIKED
44+47+65	0	LAB 2
44+47+65	79	LAB 3
44+47+65	219	LAB 5
44+47+65	15	LAB 6
44+47+65	3	LAB 7
44+75+65	47	RW LAB BLANK
44+75+65	0	RW UNSPIKED
45+51	10	LAB 3
45+51	23	LAB 5
45+51	4	LAB 6
45+51	1	LAB 7
45+51	1	RW LAB BLANK
45+51	25	RW UNSPIKED
47+48+75	89	LAB 1

EMDL SUMMARY - ALL DATA SOURCES	EMDL (pg/L)	DATA SOURCE
IUPAC (PCB #s)		
48+75	0	LAB 4
49+69	33	LAB 3
49+69	133	LAB 5
49+69	6	LAB 6
49+69	2	LAB 7
49+69	19	RW LAB BLANK
49+69	36	RW UNSPIKED
5+8	34	LAB 1
5+8	0	LAB 4
5+8	146	RW LAB BLANK
5+8	4	RW UNSPIKED
50+53	6	LAB 3
50+53	36	LAB 5
50+53	0	LAB 6
50+53	1	LAB 7
50+53	1	RW LAB BLANK
50+53	27	RW UNSPIKED
52+69	28	LAB 4
52+73	41	LAB 1
55+66	0	RW LAB BLANK
55+66	15	RW UNSPIKED
56+60	4	LAB 1
56+60	0	LAB 4
56+60	0	RW LAB BLANK
56+60	0	RW UNSPIKED
58+67	0	RW LAB BLANK

EMDL SUMMARY - ALL DATA SOURCES	EMDL (pg/L)	DATA SOURCE
IUPAC (PCB #s)		
58+67	0	RW UNSPIKED
59+62+75	5	LAB 3
59+62+75	7	LAB 5
59+62+75	0	LAB 6
59+62+75	1	LAB 7
59+62+75	0	RW LAB BLANK
59+62+75	28	RW UNSPIKED
61+70	0	LAB 4
61+70+74+76	0	LAB 2
61+70+74+76	84	LAB 3
61+70+74+76	317	LAB 5
61+70+74+76	29	LAB 6
61+70+74+76	6	LAB 7
61+70+74+76	67	RW LAB BLANK
61+70+74+76	90	RW UNSPIKED
61+74	3	LAB 1
66+76	0	LAB 4
66+80	9	LAB 1
7+9	0	LAB 1
7+9	0	LAB 4
83+108	0	LAB 1
83+99	33	LAB 3
83+99	2	LAB 7
83+99	0	RW LAB BLANK
83+99	1	RW UNSPIKED
83+99+112	218	LAB 5

EMDL SUMMARY - ALL DATA SOURCES	EMDL (pg/L)	DATA SOURCE
IUPAC (PCB #s)		
83+99+112	43	RW LAB BLANK
83+99+112	61	RW UNSPIKED
84+92	0	LAB 4
85+116	0	LAB 4
85+116	0	RW LAB BLANK
85+116	0	RW UNSPIKED
85+116+117	19	LAB 3
85+116+117	54	LAB 5
85+116+117	23	LAB 6
85+116+117	0	LAB 7
85+116+117	14	RW LAB BLANK
85+116+117	84	RW UNSPIKED
85+120	0	LAB 1
86+87+97+108+119+125	126	LAB 6
86+87+97+108+119+125	0	LAB 7
86+87+97+108+119+125	44	RW LAB BLANK
86+87+97+108+119+125	75	RW UNSPIKED
86+87+97+109+119+125	37	LAB 2
86+87+97+109+119+125	50	LAB 3
86+87+97+109+119+125	286	LAB 5
86+87+97+109+119+125	44	RW LAB BLANK
86+87+97+109+119+125	235	RW UNSPIKED
86+97+111+125	5	LAB 1
87+117	7	LAB 1
87+117+125	0	LAB 4
88+121	1	LAB 1

EMDL SUMMARY - ALL DATA SOURCES	EMDL (pg/L)	DATA SOURCE
IUPAC (PCB #s)		
88+91	10	LAB 3
88+91	0	LAB 4
88+91	75	LAB 5
88+91	14	LAB 6
88+91	1	LAB 7
88+91	11	RW LAB BLANK
88+91	49	RW UNSPIKED
89+90+101	20	LAB 1
90+101	0	LAB 4
90+101+113	27	LAB 2
90+101+113	134	LAB 3
90+101+113	451	LAB 5
90+101+113	100	LAB 6
90+101+113	5	LAB 7
90+101+113	67	RW LAB BLANK
90+101+113	131	RW UNSPIKED
93+100	0	LAB 6
93+100	0	RW LAB BLANK
93+100	0	RW UNSPIKED
93+95	21	LAB 1
93+95+98+100+102	4	LAB 7
93+95+98+100+102	0	RW LAB BLANK
93+95+98+100+102	2	RW UNSPIKED
93+98+100+102	0	LAB 3
93+98+100+102	8	LAB 5
93+98+100+102	0	RW LAB BLANK

EMDL SUMMARY - ALL DATA SOURCES	EMDL (pg/L)	DATA SOURCE
IUPAC (PCB #s)		
93+98+100+102	46	RW UNSPIKED
95+98+102	0	LAB 4
97+86+125+111	5	LAB 1
98+102	0	LAB 1
98+102	4	LAB 6
98+102	0	RW LAB BLANK
98+102	0	RW UNSPIKED

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Electric Power Research Institute

3420 Hillview Avenue, Palo Alto, California 94304-1338 • PO Box 10412, Palo Alto, California 94303-0813 USA
800.313.3774 • 650.855.2121 • askepri@epri.com • www.epri.com