

# **Final Report Sixth Round of the International Intercalibration Study**

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## INTRODUCTION

Dear participants,

At last the final report is laying in front of you. The preliminary results of the study have already been distributed to you by @mail and presented at a special meeting after the afternoon sessions of Dioxin 2001 in Gyeongju, Korea. During this meeting the results of study were discussed in addition to the presentation of the results of FOOD 2001 by George Becher (National Institute of Public Health, Oslo, Norway) and Gunilla Lindström (Örebro University, Örebro, Sweden) and the introduction of the EU project DIFFERENCE by Jacob de Boer (RIVO IJmuiden, The Netherlands). Of the more than 70 labs participating in our study many were represented at the meeting.

In summary the logistics for the 6<sup>th</sup> round were much better than previous rounds. The samples are now more professional packaged in iron containers filled with absorbent material. In addition the distribution by an international carrier enabled us and all participants to trace the sample shipment continuously through the internet. During the study I have been in touch with many of you by @mail. By this I would like to thank all of the participants for their suggestions and constructive comments and so continuously improving the study. One of these improvements is that the results of the 6<sup>th</sup> round now can be viewed interactively on the internet(<http://www.chem.umu.se/dep/envichem/intercalib/>).

But most of all I would like to thank you all for the hard analytical work put behind every value reported. Without this dedication the study would not have developed into a very powerful QA/QC tool.

A special word of thanks also this year to my colleagues in the workgroup Professor Mats Tysklind, Professor Nobuo Takeda and Professor Gunilla Lindström for their help and advice and without whom this study would not have been possible. Brock Chittim and Wellington Laboratories are acknowledged for providing the three standard solutions. Ir. D. van Dijk of Wageningen Evaluating Programmes for Analytical Laboratories (WEPAL) is acknowledged for preparing the three soil samples and Dr. Yvonne Stokker of the National Water Research Institute at Environment Canada for providing the sediment sample.

Encouraged by the good results and the large interest in the study we have decided to continue with a 7<sup>th</sup> round of the international intercalibration during 2001/2002.

We hope that all of you will be able to participate again in the 7<sup>th</sup> round.

Sincerely,

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## GENERAL INFORMATION

A total of 77 laboratories participated in the 7<sup>th</sup> round of the international intercalibration study. The number of participant seems to have stabilised between 70 and 80, which is a considerable number of the total number of dioxin labs world-wide. A total of 65 labs were registered for the incineration study. In the soil/sediment/sludge study 57 labs participated and another 10 labs analysed the some samples within the SETOC programme.

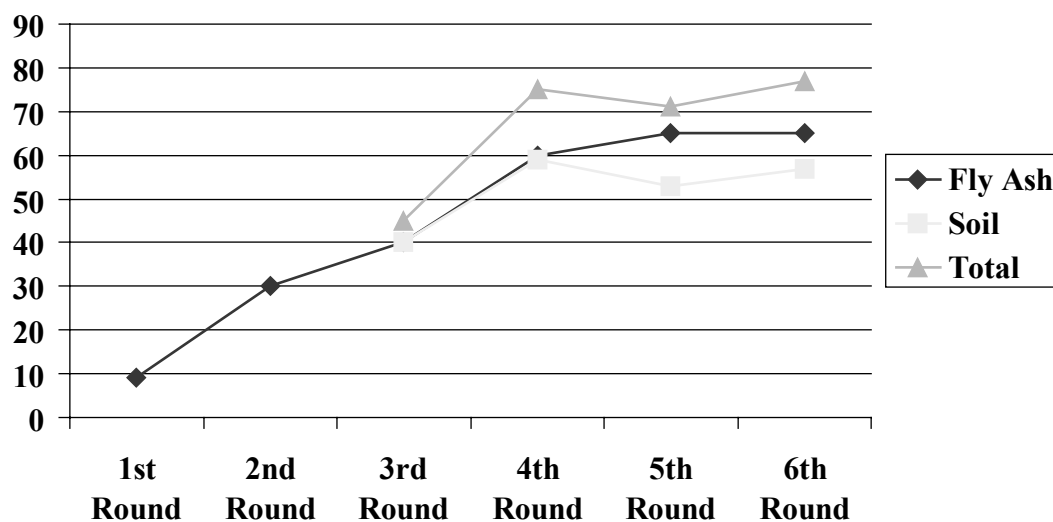


Figure 1. Number of participants in the international intercalibration study.

The geographical distribution of the participating laboratories is more equal than the previous rounds but still the majority of the laboratories is located in Japan. In total 24 nations are represented. With a new entry from Brazil we have now covered all the continents during the different rounds.

The distribution after country is given in Table 1.

Table 1. Geographical distribution of the participants.

Country	Incineration	Soil
Japan	10	9
Germany	2	3
USA	5	7
Canada	5	3
Korea	3	3
France	7	5
United Kingdom	4	5
Italy	3	3
Taiwan	4	4
Hong Kong	2	2
The Netherlands	2	2
Spain	3	2
Belgium	2	1
Sweden	-	2
Australia	1	2

Country	Incineration	Soil
Finland	1	-
Poland	1	1
Norway	1	-
Denmark	1	1
Czech Republic	1	1
New Zealand	1	1
Russia	4	-
Slavic Republic	1	-
Brazil	1	1
<b>Total</b>	<b>65</b>	<b>57</b>

## SAMPLE PREPARATION

### 1. Incineration

Three homogenised fly ash samples (A, B, C) were distributed to all participants. Around 3-5g of the material was packed in glass vials and send to the participants in a iron container filled with absorbent material in case of leakage. Sample A and C contained medium levels of the target compounds, these samples were from the same batch of fly ash but were not homogenised simultaneously. So although from the same origin these samples were not considered as identical. Sample B consisted of fly ash with relatively low levels of the target compounds. The participating laboratories did have no prior knowledge about the origin of the samples. All laboratories were asked to consider the samples as routine samples and use their own spiking protocols, sample pre treatment, extraction and clean up procedures. The participants were asked to report the levels of 2,3,7,8-substituted PCDDs and PCDFs and planar PCBs that have been assigned a TEF value. As an option the participants were asked to report the mono *ortho* PCBs recently assigned a TEF factor by the WHO<sup>1</sup>.

### 2. Soil/Sediment/Sludge

Three soil sample samples were acquired from WEPAL (Wageningen Evaluating Programmes for Analytical Laboratories) and directly send from the Netherlands. These samples were simultaneously used within the SETOC programme. The samples were prior to the distribution tested for dioxins and the homogeneity was tested within the SETOC programme. Soil A consisted of a low level channel sludge, soil B contained medium level river clay sample and soil C was a medium level sediment. In addition a Great Lakes sediment DX-3 was made available by The National Water Research Institute at Environment Canada, Burlington. This sample was known to contain medium levels of all target compounds and will be made available as standard reference material by Environment Canada<sup>2</sup>. Again for these samples the participants were asked to report the 2,3,7,8-substituted PCDDs and PCDFs, planar PCBs and as an option the mono *ortho* substituted PCBs and to consider the sample as routine samples.

<sup>1</sup> Martin Van den Berg et al. *Environmental Health Perspectives* **1998** 106 775.

<sup>2</sup> Environment Canada, National Water Research Institute, 867 Lakeshore Road, Burlington, Ontario L7R 4A6, Canada (yvonne.stokker@cciw.ca)

### 3. Standard Solutions

Three standard solutions (F, G, H) were provided by Wellington Laboratories<sup>3</sup>. Solution F contained all 2,3,7,8-substituted PCDDs and PCDFs at concentrations of 40-160 pg/ul. The ampoules with the standard solutions were sent to the participants in an iron container filled with absorbent material. Solution G contained a total of 27 PCBs including the three coplanar PCBs and the mono ortho PCBs assigned a TEF value by the WHO at a concentration of 40 pg/ul. The concentration of standard solutions F and G are given in Table 2. In addition a standard solution H at low concentration was distributed containing the PCDD/DFs at concentrations of 0.5-2.50 pg/ul and the ‘Dioxin-like’ PCBs at concentrations of 1.0-10 pg/ul. The design concentrations of standard solution H are given in Table 3 .

*Table 2. Concentrations and composition of standard solutions F and G*

<b>Solution F</b> (pg/ul)		<b>Solution G</b> (pg/ul)	
2,3,7,8-TeCDD	40	PCB #77	40
1,2,3,7,8-PeCDD	80	PCB #126	40
1,2,3,4,7,8-HxCDD	80	PCB #169	40
1,2,3,6,7,8-HxCDD	80		
1,2,3,7,8,9-HxCDD	80	PCB #81	40
1,2,3,4,6,7,8-HpCDD	160	PCB #105	40
OCDD	160	PCB #114	40
		PCB #118	40
2,3,7,8-TeCDF	40	PCB #123	40
1,2,3,7,8-PeCDF	80	PCB #156	40
2,3,4,7,8-PeCDF	80	PCB #157	40
1,2,3,4,7,8-HxCDF	80	PCB #167	40
1,2,3,6,7,8-HxCDF	80	PCB #189	40
1,2,3,7,8,9-HxCDF	80		
2,3,4,6,7,8-HxCDF	80	Other PCBs <sup>1</sup>	40
1,2,3,4,6,7,8-HpCDF	160		
1,2,3,4,7,8,9-HpCDF	160	<sup>1</sup> PCB # 1,# 3,# 4,# 15,# 19,# 37,# 54,# 104,	
OCDF	160	# 155,# 188,# 202,# 205,# 206,# 208,# 209	

<sup>3</sup> Wellington Laboratories, 398 Laird Road, Guelph, Ontario N1G 3X7, Canada (brock@well-labs.com)

Table 3. Concentrations and composition of standard solution H

	Solution H (pg/ul)		Solution H (pg/ul)
2,3,7,8-TeCDD	0.5	PCB #77	5.0
1,2,3,7,8-PeCDD	1.25	PCB #126	1.0
1,2,3,4,7,8-HxCDD	1.25	PCB #169	1.0
1,2,3,6,7,8-HxCDD	1.25		
1,2,3,7,8,9-HxCDD	1.25	PCB #81	1.0
1,2,3,4,6,7,8-HpCDD	1.25	PCB #105	10.0
OCDD	2.50	PCB #114	1.0
		PCB #118	10.0
2,3,7,8-TeCDF	0.5	PCB #123	1.0
1,2,3,7,8-PeCDF	1.25	PCB #156	5.0
2,3,4,7,8-PeCDF	1.25	PCB #157	1.0
1,2,3,4,7,8-HxCDF	1.25	PCB #167	1.0
1,2,3,6,7,8-HxCDF	1.25	PCB #189	1.0
1,2,3,7,8,9-HxCDF	1.25		
2,3,4,6,7,8-HxCDF	1.25		
1,2,3,4,6,7,8-HpCDF	1.25		
1,2,3,4,7,8,9-HpCDF	1.25		
OCDF	2.50		

## RESULTS

Of the total of 77 laboratories 66 were able to report before the set deadline for standard solution F containing only the 2,3,7,8-substituted PCDD/DFs. This is also the number of the number of labs responding before the deadline resulting in a response percentage of 86% which is somewhat higher than the 82 % response percentage of the 5<sup>th</sup> round. Results for standard solution G containing the ‘WHO dioxin-like’ PCBs were reported by 51 of the labs for the three coplanar PCBs (#77, #126, #169) and by 42 of the labs for the mono-ortho substituted PCBs. Similar numbers were obtained for solution H for the PCDD/DFs (65), coplanar PCBs (51) and mono ortho PCBs (40).

Within the incineration study nearly all of the 65 laboratories participating labs (62/63) were able to report results for the 2,3,7,8-substituted PCDD/DFs resulting in an impressive 95 % response rate. Somewhat less participants reported results for the coplanar PCBs (45/47) and the mono ortho PCBs (37/38). The percentage of labs performing the PCB analysis is comparable with the number of the previous round.

Around 50 laboratories out of a total of 57 produced results for the PCDD/DFs before the deadline. The ‘WHO Dioxin-like’ PCBs were reported by little over 30 labs (31-36), which is also comparable with the number of labs reporting in the 5<sup>th</sup> round.

New this year was one participant using biological detection instead of the traditional GC/MS detection. This technique has been used more and more extensively for screening purposes of large number of samples. Although both techniques are not directly comparable, bioassays generally cover the total dioxin like toxicity and GC/MS in our study only the toxicity of the WHO TEF assigned compounds, the results of the bioassay were somewhat surprisingly in the same order of magnitude and sometimes very close to the GC/MS results. However direct comparison of the results of both techniques has to be further investigated and a follow up study is planned on this issue.





Table 4. Reported data for the 6<sup>th</sup> round of the International Intercalibration Study (IICS).

	PCDD/DF TEQ	Planar PCB TEQ	WHO TEQ	Total
<b>Sludge A</b>	50	36	33	<b>57</b>
<b>Clay B</b>	50	36	33	<b>57</b>
<b>Sediment C</b>	49	36	33	<b>57</b>
<b>Sediment D</b>	49	35	31	<b>57</b>
<b>Ash A</b>	63	47	38	<b>65</b>
<b>Ash B</b>	62	45	37	<b>65</b>
<b>Ash C</b>	63	47	38	<b>65</b>
<b>Standard F</b>	66	*	*	<b>77</b>
<b>Standard G</b>	*	51	42	<b>77</b>
<b>Standard H</b>	65	51	40	<b>77</b>
<b>Total Number of Participants in Both Studies:</b>				<b>77</b>

All results of the study are given in tables following this section. In the tables the original entries of the results are given. The mean, median, and standard deviation is calculated including all entered results at the end of the Tables. In addition figures are included for each congener showing the individual results, the mean value and 1 x the RSD. An extra figure is added for the PCDD/DF TEQ, in which outliers are deleted and again the mean value, and both 1 x and 2 x the RSD are given. In special cases with obvious outliers present in the data the median is used in stead of the mean value. In addition when one extreme outlier was present in the data, this data point was removed from the figures. For the figures detection limits are included in the figure and the calculations. Detection limits have not been included in the calculations in the tables. This might in special cases, ig when a large number of laboratories have reported DLs, result in minor differences in the mean and RSD of the same data in tables and the corresponding the figures.

#### 1. Incineration

##### Ash A

Considering the PCDD/DF TEQ for ash A for all data reported (n = 63) an mean value of 0.38 ng TEQ/g was reported with a very reasonable RSD of 37 %. After omitting 3 obvious outliers this figure came down to 32%. This are similar numbers as in the previous rounds for fly ash samples. The RSD of the individual congeners was somewhat larger 35-50% with two extreme values for 1,2,3,4,7,8,9-HpCDF (75%) and 1,2,3,7,8,9-HxCDF (146%). Somewhat larger deviation was seen for the individual PCBs, but the TEQs including these compounds were similar to the PCDD/DF variation (35, 32%). The total TEQ value including ‘WHO Dioxin like’ PCBs is dominated by the PCDD/DFs levels which together with less laboratories reporting is an explanation.

##### Ash B

The levels of fly ash B were considerable lower (0.030 ng TEQ/g) than fly ash A or C. Many laboratories operated on or around the detection limit. This was reflected clearly on the results and considering all 62 reported results a very high RSD was of 190 % was

calculated. This high figure seems to be caused by one extreme outlier which was several magnitude off the mean value. This value was omitted and a new mean value was calculated. This resulted in somewhat better values (85%) of the RSD and using this RSD entries outside 2 x the RSD were deleted. A final RSD of 49 % for 59 of the entries was than calculated. This figure is considerably higher than the values reported for Ash A and C. The variation between the results for the individual congeners was also larger for this low level sample. Likewise for this sample the total TEQ was dominated by the level of PCDDs and PCDFs.

#### Ash C

Selected from the same batch as fly ash A the analysis of fly ash C resulted in similar statistics. The mean value of the PCDD/DF TEQ after omitting only one outlier of the 63 results reported for fly ash C was 0.40 ng TEQ/g with a RSD of 31%, compared to 0.39 ng TEQ/g and 32 % for fly ash A. Again the variation between the individual isomers was somewhat larger and the values for the WHO 'Dioxinlike' PCBs (0.40, 29%) similar to the PCDD/DF TEQs.

Although the results for the three ash samples is generally a good, it seems to be difficult to achieve an RSD under 30%. On the other hand it is promising to see is the large number of labs are performing well. Looking back on previous rounds it can be stated that the overall quality of the analysis has improved and a larger number of laboratories are able to do a qualified dioxin analysis. One of the reasons for the inability to achieve a better RSD than 30% might be the different pre-treatment of the ash samples. Especially acid treatment is known to influence the final results. Information on the pre-treatment of the samples was this year for the first time included. However a clear trend in the results of labs using an acid treatment or not was not evident

## 2. Soil/Sediment/Sludge

### Soil A (Channel Sludge)

The low level soil sample A consisted of channel sludge acquired from WEPAL through the SETOC programme. The results of this sample showed one extreme outlier which was omitted and a recalculated mean of 0.023 ng TEQ/g with a RSD of 65% was calculated for the remaining participants, after deleting another two results outside 2 x the RSD the RSD was down to 34%, a reasonable result considering the low levels of PCDD/DF present in this sample.

### Soil B (River Clay)

Soil B was a river clay sample acquired from WEPAL through the SETOC programme. The results for this medium level sample are amazing and extremely good. After leaving out one obvious outlier a RSD of 19 % was calculated between the 49 remaining laboratories for a PCDD/DF TEQ level of 0.15 ng/g. After omitting another 3 results the RSD of the PCDD/DF TEQ was down to a extremely good 9%! Similar numbers were achieved for the PCBs which as is common for soil samples had a larger contribution of the PCBs to the total TEQ than the ash samples discussed above.

## Soil C (Sediment)

Also sample C, a sediment sample, was made available by WEPAL and used within the SETOC programme. Likewise for soil sample C very good result where achieved after first leaving out an extreme outlier, followed by the removal of another 3 results outside 2 x the RSD. For the remaining 45 results out of the total of 49 a mean value of 0.18 ng TEQ/g for the PCDD/DF with a RSD of 15% was calculated. These results are again impressive and nearly as good as the results for soil B. Similar numbers are reported for the PCBs in the tables and figures in the attachments.

## Sediment D (Great Lakes Sediment)

Sediment sample D was made available by the National Water Research Institute at Environment Canada. This sample consisted of a Great Lakes Sediment which was freeze dried and ground to less than 200 mesh. The sample will be made available as a CRM by the National Water Research Institute as CRM DX-3. Indicated in Table 5, the results were very close to earlier established concentrations. Again the RSDs of the TEQ values were extremely good and around 10 %. Also here the variation in the individual congeners was somewhat larger. This variation is from an analytical point of view more of interest as the so called weighted average which a TEQ value represents. Higher variation was observed for OCDD (73%) and 1,2,3,7,8,9-HxCDF (114%). For this HxCDF congener also the reported concentration deviated from the CRM value. Large variation was further seen for PCB #114, PCB #81, PCB #123, PCB #167 and PCB #169. Of which especially PCB #114 and PCB #169 deviate from the earlier assigned CRM value

*Table 5. Mean values for Sediment D for 46 out of a total of 49 participants and the CRM DX-3 values.*

	Average	%RSD	DX-3		Average	%RSD	DX-3
2,3,7,8-TeCDD	0.129	14%	0.121	PCB #77	2.62	14%	2.56
1,2,3,7,8-PeCDD	0.021	24%	0.019	PCB #126	0.11	20%	0.11
1,2,3,4,7,8-HxCDD	0.022	35%	0.020	PCB #169	0.018	100%	0.014
1,2,3,6,7,8-HxCDD	0.064	25%	0.060				
1,2,3,7,8,9-HxCDD	0.040	30%	0.037	TEQ (including PCBs)	0.29	10%	0.28
1,2,3,4,6,7,8-HpCDD	0.52	20%	0.50				
OCDD	3.59	73%	3.07	PCB #81	0.11	73%	0.13
				PCB #105	6.2	15%	6.1
2,3,7,8-TeCDF	0.049	23%	0.047	PCB #114	0.47	171%	0.28
1,2,3,7,8-PeCDF	0.042	46%	0.035	PCB #118	13.9	13%	13.5
2,3,4,7,8-PeCDF	0.057	48%	0.045	PCB #123	0.6	72%	0.5
1,2,3,4,7,8-HxCDF	0.432	14%	0.437	PCB #156	1.3	30%	1.1
1,2,3,6,7,8-HxCDF	0.107	33%	0.096	PCB #157	0.4	36%	0.3
1,2,3,7,8,9-HxCDF	0.031	114%	0.016	PCB #167	1.1	76%	0.6
2,3,4,6,7,8-HxCDF	0.039	46%	0.039	PCB #189	0.2	22%	0.2
1,2,3,4,6,7,8-HpCDF	2.03	17%	1.92				
1,2,3,4,7,8,9-HpCDF	0.11	23%	0.10	TEQ Total	0.30	9%	0.28
OCDF	4.05	24%	3.88				
TEQ (PCDD/DF)	0.28	10%	0.27				

### 3. Standard Solutions

The results of the standard solutions are summarised in Tables 6 and 7. The results for all standard solutions were very good. For standard solution F which contained only 2,3,7,8 substituted PCDD/DF the mean values of nearly all congeners were very close to the design value with a RSD of 14 % and 19 %, calculated on total TEQ a RSD of 19% was calculated for all entries (67) and a RSD of 10 % after leaving out 4 outliers.

Standard solution G consisted of a large number of PCBs including the WHO TEF assigned PCBs. Also for this solution the reported results were very close to the design value with RSDs similar to the PCDD/DF solution between 10% and 18%. Concerning the WHO TEQ value a very good 10 % RSD was achieved after omitting 2 obvious outliers using 40 entries.

Table 6. Results Solution F and G in pg/ $\mu$ l and the design value<sup>4</sup>

Standard F				Standard G			
	Average	Median	Design Value		Average	Median	Design Value
2,3,7,8-TeCDD	39	39	40	PCB #77	38	38	40
1,2,3,7,8-PeCDD	78	78	80	PCB #126	38	39	40
1,2,3,4,7,8-HxCDD	77	79	80	PCB #169	37	38	40
1,2,3,6,7,8-HxCDD	80	82	80				
1,2,3,7,8,9-HxCDD	79	80	80	<b>TEQ (including PCBs)</b>	<b>4.1</b>	<b>4.3</b>	<b>4.4</b>
1,2,3,4,6,7,8-HpCDD	161	160	160				
OCDD	168	165	160	PCB #81	37	39	40
				PCB #105	38	39	40
2,3,7,8-TeCDF	42	41	40	PCB #114	39	40	40
1,2,3,7,8-PeCDF	83	84	80	PCB #118	39	39	40
2,3,4,7,8-PeCDF	79	80	80	PCB #123	38	38	40
1,2,3,4,7,8-HxCDF	80	81	80	PCB #156	39	39	40
1,2,3,6,7,8-HxCDF	80	81	80	PCB #157	37	39	40
1,2,3,7,8,9-HxCDF	79	80	80	PCB #167	37	39	40
2,3,4,6,7,8-HxCDF	79	80	80	PCB #189	40	40	40
1,2,3,4,6,7,8-HpCDF	161	163	160				
1,2,3,4,7,8,9-HpCDF	156	160	160	<b>TEQ Total</b>	<b>4.2</b>	<b>4.4</b>	<b>4.5</b>
OCDF	165	164	160				
<b>TEQ (PCDD/DF)</b>	<b>226</b>	<b>229</b>	<b>229</b>				

The low concentration of standard solution H of all target compound presented some more challenge to the participants. This was reflected in the somewhat higher RSDs for all compounds between 17% and 179% with an average RSD of 34%. Also the TEQ value after omitting obvious outliers stayed at 17% for 62 out of the 66 reported results.

Generally the results for standard solution are satisfactory and are good indicators for the quality of standard solutions used at the lab. Because no interfering compounds are added the analysis of the solutions is rather straight forward. From a chromatographic point of view, the addition of more congeners of both PCBs and non 2,3,7,8-substituted PCDD/DFs would be an interesting option for future studies.

<sup>4</sup> Wellington Laboratories, Ontario, Canada. Product Description/Documentation/Certificate of Analysis



Table 7. Results Solution F and G in pg/ $\mu$ l and the design value<sup>4</sup>

Standard H				Standard H			
	Average	Median	Design Value		Average	Median	Design Value
2,3,7,8-TeCDD	0.52	0.51	0.50	PCB #77	5.03	4.84	5.00
1,2,3,7,8-PeCDD	1.26	1.22	1.25	PCB #126	1.40	1.04	1.00
1,2,3,4,7,8-HxCDD	1.20	1.20	1.25	PCB #169	1.10	1.06	1.00
1,2,3,6,7,8-HxCDD	1.25	1.24	1.25				
1,2,3,7,8,9-HxCDD	1.22	1.24	1.25	<b>TEQ (including PCBs)</b>	<b>3.67</b>	<b>3.51</b>	<b>3.51</b>
1,2,3,4,6,7,8-HpCDD	1.37	1.28	1.25				
OCDD	2.94	2.62	2.50	PCB #81	1.00	1.01	1.00
				PCB #105	9.57	9.91	10.00
2,3,7,8-TeCDF	0.55	0.52	0.50	PCB #114	1.00	1.02	1.00
1,2,3,7,8-PeCDF	1.28	1.25	1.25	PCB #118	10.03	9.79	10.00
2,3,4,7,8-PeCDF	1.25	1.22	1.25	PCB #123	0.98	1.00	1.00
1,2,3,4,7,8-HxCDF	1.24	1.26	1.25	PCB #156	4.91	5.00	5.00
1,2,3,6,7,8-HxCDF	1.30	1.26	1.25	PCB #157	1.04	1.02	1.00
1,2,3,7,8,9-HxCDF	1.20	1.20	1.25	PCB #167	1.05	1.06	1.00
2,3,4,6,7,8-HxCDF	1.24	1.22	1.25	PCB #189	1.04	1.01	1.00
1,2,3,4,6,7,8-HpCDF	1.38	1.30	1.25				
1,2,3,4,7,8,9-HpCDF	1.31	1.28	1.25	<b>TEQ Total</b>	<b>3.67</b>	<b>3.52</b>	<b>3.52</b>
OCDF	2.64	2.51	2.50				
<b>TEQ (PCDD/DF)</b>	<b>3.47</b>	<b>3.39</b>	<b>3.40</b>				

#### 4. Additional info

As in previous rounds information on the analytical methods used for the analysis are given in table form in the additional information. Also this year it was difficult to reduce the data to an uniform table because of the variety of methodology used. The reported methods were edited and it was sometimes inevitable that some information was lost. We think however that the additional information nevertheless can give the interested reader some background material. We hope however to present the data in a more uniform way in the future. This will be done by both restricting the number of choices and by a direct choice menu when data is reported through the internet.

#### PRESENTATION OF THE RESULTS

The results of the 6<sup>th</sup> round have been presented at special meeting during Dioxin'2001 in Gyeongju, Korea. During a this well visited meeting the results were presented during a 20 minutes oral presentation and a informal discussion afterwards.

## FUTURE STUDIES

The preparations for the 7<sup>th</sup> round has already started.

The 7<sup>th</sup> round will be organised according to the preliminary schedule below. In addition to the incineration and soil/sediment/sludge study a fish sample will be available for PCDD/DF, WHO PCBs and PBDE analysis:

### Schedule 7<sup>th</sup> Round

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**7<sup>th</sup> Round Incineration:** 3 Samples (3 fly ash) and standard solutions

Distribution samples: Nov/Dec 2001

Reporting results: March 2002

Presenting results: Dioxin'2002 (Barcelona, Spain, [www.dioxin2002.com](http://www.dioxin2002.com) )

Final report: September 2002

Cost: 700 EUR commercial laboratories, 600 EUR non-commercial (no tax included)

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**7<sup>th</sup> Round Soil/Sediment:** 4 Samples (SETOC) and standard solutions

Distribution samples: November 2001

Reporting results: January 2002

Presenting results: Dioxin'2002 (Barcelona, Spain, [www.dioxin2002.com](http://www.dioxin2002.com) )

Final report: September 2002

Costs: 700 EUR commercial laboratories, 600 EUR non-commercial (no tax included)

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**7<sup>th</sup> Round Certification fish sample:** 1 fish sample

Target compounds: PCDD/DFs, WHO PCBs and PBDEs

Distribution samples: Nov/Dec 2001

Reporting results: March 2002

Presenting results: Dioxin'2002 (Barcelona, Spain, [www.dioxin2002.com](http://www.dioxin2002.com) )

Cost: No additional costs when participating in one of the studies above



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Participant code:	1	2	3	4	5	6	7	10	11	12	14	15	16
Weight Analysed:	2.00	4.81	1.00	10.00	NA	1.00	8.56	5.00	5.12	1.12	2.00	2.04	3.00
2,3,7,8-TeCDD	0.036	0.046	0.009	0.019	NA	0.019	0.038	0.011	0.010	0.037	0.039	0.042	0.014
1,2,3,7,8-PeCDD	0.09	0.12	0.03	0.04	NA	0.05	0.09	0.06	0.02	0.11	0.14	0.10	0.04
1,2,3,4,7,8-HxCDD	0.08	0.13	0.02	0.04	NA	0.03	0.07	0.05	0.02	0.06	0.10	0.08	0.03
1,2,3,6,7,8-HxCDD	0.13	0.20	0.03	0.05	NA	0.05	0.12	0.09	0.04	0.11	0.15	0.13	0.06
1,2,3,7,8,9-HxCDD	0.12	0.20	0.03	0.04	NA	0.05	0.11	0.07	0.05	0.10	0.16	0.13	0.08
1,2,3,4,6,7,8-HpCDD	1.1	1.6	0.4	0.5	NA	0.5	1.4	1.1	0.4	1.2	1.2	1.2	0.7
OCDD	4.2	5.1	1.5	1.9	NA	1.8	4.9	3.2	1.4	4.5	4.5	4.0	2.8
2,3,7,8-TeCDF	0.16	0.23	0.06	0.10	NA	0.07	0.20	0.13	0.26	0.16	0.16	0.15	0.07
1,2,3,7,8-PeCDF	0.26	0.38	0.09	0.12	NA	0.12	0.27	0.19	0.10	0.23	0.25	0.31	0.06
2,3,4,7,8-PeCDF	0.27	0.27	0.09	0.18	NA	0.10	0.26	0.16	0.12	0.20	0.29	0.20	0.08
1,2,3,4,7,8-HxCDF	0.28	0.55	0.09	0.16	NA	0.13	0.29	0.18	0.23	0.22	0.31	0.32	0.06
1,2,3,6,7,8-HxCDF	0.32	0.49	0.09	0.17	NA	0.17	0.32	0.22	0.12	0.27	0.35	0.35	0.14
1,2,3,7,8,9-HxCDF	0.12	0.08	0.03	0.04	NA	0.26	0.02	0.02	0.03	0.03	0.03	0.03	0.01
2,3,4,6,7,8-HxCDF	0.56	0.85	0.17	0.34	NA	0.01	0.46	0.38	0.19	0.41	0.44	0.44	0.18
1,2,3,4,6,7,8-HpCDF	1.91	1.99	0.64	1.35	NA	1.20	1.97	1.25	0.57	1.64	1.64	1.45	1.40
1,2,3,4,7,8,9-HpCDF	0.26	0.36	0.08	0.12	NA	0.12	0.29	0.15	0.09	0.23	0.23	0.19	0.20
OCDF	1.97	2.13	0.71	1.40	NA	0.78	2.30	1.85	0.88	2.21	2.00	2.01	1.31
<b>TEQ (PCDD/DF)</b>	<b>0.49</b>	<b>0.63</b>	<b>0.15</b>	<b>0.26</b>	<b>NA</b>	<b>0.19</b>	<b>0.47</b>	<b>0.30</b>	<b>0.20</b>	<b>0.43</b>	<b>0.54</b>	<b>0.45</b>	<b>0.19</b>
PCB #77	NA	NA	<0.1	NA	NA	<0.06	0.05	0.04	NA	NA	0.06	0.04	NA
PCB #126	NA	NA	0.02	NA	NA	0.03	0.03	0.02	NA	NA	0.04	0.04	NA
PCB #169	NA	NA	<0.01	NA	NA	0.01	0.02	0.01	NA	NA	0.02	0.02	NA
<b>TEQ (including PCBs)</b>	<b>NA</b>	<b>NA</b>	<b>0.15</b>	<b>NA</b>	<b>NA</b>	<b>0.19</b>	<b>0.47</b>	<b>0.30</b>	<b>NA</b>	<b>NA</b>	<b>0.54</b>	<b>0.45</b>	<b>NA</b>
Other PCBs (Optional)													
PCB #81	NA	NA	<0.1	NA	NA	<0.02	0.01	0.01	NA	NA	0.02	0.02	NA
PCB #105	NA	NA	<0.1	NA	NA	<0.07	0.06	0.05	NA	NA	0.08	0.04	NA
PCB #114	NA	NA	<0.1	NA	NA	<0.009	0.01	0.00	NA	NA	0.02	0.01	NA
PCB #118	NA	NA	<0.1	NA	NA	<0.07	0.07	0.12	NA	NA	0.17	0.06	NA
PCB #123	NA	NA	<0.1	NA	NA	<0.02	<0.007	0.01	NA	NA	0.01	0.01	NA
PCB #156	NA	NA	<0.1	NA	NA	<0.06	0.03	0.03	NA	NA	0.04	0.03	NA
PCB #157	NA	NA	<0.1	NA	NA	<0.03	0.01	0.01	NA	NA	0.02	0.02	NA
PCB #167	NA	NA	<0.1	NA	NA	<0.07	0.01	0.01	NA	NA	0.02	0.02	NA
PCB #189	NA	NA	<0.1	NA	NA	<0.04	0.03	0.02	NA	NA	0.03	0.03	NA
<b>TEQ Total</b>	<b>NA</b>	<b>NA</b>	<b>0.15</b>	<b>NA</b>	<b>NA</b>	<b>0.20</b>	<b>0.47</b>	<b>0.30</b>	<b>NA</b>	<b>NA</b>	<b>0.55</b>	<b>0.45</b>	<b>NA</b>

\* all values in ng/g  
ND: not detected < than value expected  
NA: not analyzed

Participant code:	18	19	21	22	23	24	25	26	27	29	30	31	33
Weight Analysed:	4.53	NA	NA	2.05	3.00	4.00	1.02	0.51	4.15	0.40	5.00	6.41	4.65
2,3,7,8-TeCDD	0.046	0.032	0.019	0.037	0.046	0.035	0.043	0.040	0.029	0.030	0.045	0.042	0.035
1,2,3,7,8-PeCDD	0.11	0.10	0.03	0.09	0.12	0.08	0.11	0.101	0.06	0.07	0.06	0.1	0.09
1,2,3,4,7,8-HxCDD	0.09	0.07	0.02	0.07	0.08	0.06	0.07	0.08	0.05	0.07	0.10	0.083	0.06
1,2,3,6,7,8-HxCDD	0.12	0.13	0.04	0.14	0.13	0.12	0.12	0.14	0.06	0.09	0.16	0.13	0.07
1,2,3,7,8,9-HxCDD	0.14	0.12	0.05	0.11	0.10	0.13	0.11	0.13	0.07	0.08	0.13	0.18	0.14
1,2,3,4,6,7,8-HpCDD	1.1	1.2	0.4	1.4	1.0	1.2	1.2	1.5	0.7	1.0	1.3	1.3	1.0
OCDD	4.3	5.1	1.5	4.4	4.4	4.2	4.2	5.1	2.3	3.2	3.7	4.1	4.2
2,3,7,8-TeCDF	0.19	0.18	0.12	0.24	0.19	0.15	0.16	0.17	0.29	0.12	0.19	0.16	0.19
1,2,3,7,8-PeCDF	0.28	0.29	0.11	0.29	0.25	0.23	0.21	0.23	0.12	0.18	0.25	0.24	0.11
2,3,4,7,8-PeCDF	0.21	0.23	0.10	0.18	0.21	0.24	0.27	0.22	0.10	0.16	0.24	0.28	0.48
1,2,3,4,7,8-HxCDF	0.30	0.30	0.27	0.26	0.28	0.23	0.32	0.26	0.18	0.18	0.26	0.66	0.48
1,2,3,6,7,8-HxCDF	0.35	0.35	0.14	0.34	0.30	0.29	0.33	0.33	0.20	0.24	0.32	0.35	0.23
1,2,3,7,8,9-HxCDF	0.02	0.13	0.01	0.41	0.03	0.03	0.44	0.10	0.02	0.02	0.03	0.027	0.06
2,3,4,6,7,8-HxCDF	0.53	0.55	0.22	0.02	0.55	0.45	0.02	0.48	0.23	0.36	0.41	0.44	0.24
1,2,3,4,6,7,8-HpCDF	1.90	1.56	0.70	1.77	1.71	1.57	1.75	2.03	1.19	1.15	1.47	1.7	1.66
1,2,3,4,7,8,9-HpCDF	0.27	0.27	0.10	0.20	0.25	0.24	0.23	0.23	0.11	0.18	0.15	0.26	0.20
OCDF	2.47	2.38	0.92	1.27	2.09	2.32	2.55	2.22	1.38	1.61	2.25	2.2	2.11
<b>TEQ (PCDD/DF)</b>	<b>0.48</b>	<b>0.47</b>	<b>0.21</b>	<b>0.42</b>	<b>0.48</b>	<b>0.42</b>	<b>0.49</b>	<b>0.47</b>	<b>0.27</b>	<b>0.33</b>	<b>0.43</b>	<b>0.53</b>	<b>0.56</b>
PCB #77	0.04	0.05	NA	0.06	0.04	0.04	0.06	0.07	0.05	NA	0.07	0.05	0.02
PCB #126	0.03	0.04	NA	0.04	0.03	0.03	0.02	0.04	0.02	NA	0.03	0.03	0.03
PCB #169	0.01	0.03	NA	0.03	0.02	0.01	0.01	0.03	0.01	NA	0.01	0.02	0.01
<b>TEQ (including PCBs)</b>	<b>0.48</b>	<b>0.48</b>	<b>NA</b>	<b>0.43</b>	<b>0.48</b>	<b>0.43</b>	<b>0.49</b>	<b>0.47</b>	<b>0.27</b>	<b>NA</b>	<b>0.43</b>	<b>0.53</b>	<b>0.56</b>
Other PCBs (Optional)													
PCB #81	0.02	0.02	NA	0.02	0.02	0.01	0.01	0.16	0.00	NA	0.02	0.01	NA
PCB #105	0.04	0.03	NA	0.07	< 0.063	0.05	0.50	0.16	0.68	NA	0.15	0.06	NA
PCB #114	0.01	0.01	NA	0.01	< 0.038	0.01	0.03	0.02	0.05	NA	0.01	0.01	NA
PCB #118	0.08	0.05	NA	0.11	0.17	0.15	1.36	0.38	1.48	NA	0.47	0.10	NA
PCB #123	0.00	0.01	NA	0.02	< 0.039	0.01	0.05	0.01	0.04	NA	0.01	0.01	NA
PCB #156	0.03	0.02	NA	0.04	0.03	0.08	0.13	0.07	0.10	NA	0.09	0.03	NA
PCB #157	0.01	0.02	NA	0.02	< 0.036	0.02	0.03	0.07	0.03	NA	0.02	0.02	NA
PCB #167	0.01	0.02	NA	0.02	< 0.037	0.02	0.22	0.04	0.03	NA	0.04	0.02	NA
PCB #189	0.03	0.03	NA	0.00	< 0.041	0.03	0.03	0.02	0.02	NA	0.03	0.03	NA
<b>TEQ Total</b>	<b>0.48</b>	<b>0.48</b>	<b>NA</b>	<b>0.43</b>	<b>0.48</b>	<b>0.43</b>	<b>0.49</b>	<b>0.47</b>	<b>0.27</b>	<b>NA</b>	<b>0.43</b>	<b>0.53</b>	<b>NA</b>
* all values in ng/g													
ND: not detected < than value expected													
NA: not analyzed													
Ash A2													

Participant code:	34	35	36	37	38	39	40	41	43	45	46	47	48
Weight Analysed:	3.00	2.00	4.00	5.17	1.00	2.00	9.70	3.35	5.01	1.00	NA	8.20	2.52
2,3,7,8-TeCDD	0.004	0.038	0.019	0.045	0.054	0.025	0.022	0.051	0.040	0.031	NA	0.010	0.022
1,2,3,7,8-PeCDD	0.01	0.08	0.04	0.10	0.11	0.06	0.11	0.11	0.11	0.06	NA	0.03	0.04
1,2,3,4,7,8-HxCDD	0.01	0.08	0.03	0.08	0.07	0.05	0.06	0.09	0.09	0.04	NA	0.03	0.03
1,2,3,6,7,8-HxCDD	0.02	0.11	0.06	0.12	0.13	0.08	0.10	0.12	0.13	0.07	NA	0.04	0.04
1,2,3,7,8,9-HxCDD	0.01	0.13	0.06	0.14	0.12	0.09	0.10	0.20	0.20	0.11	NA	0.04	0.06
1,2,3,4,6,7,8-HpCDD	0.2	1.14	0.6	1.4	1.3	0.7	1.2	1.4	1.2	0.8	NA	0.4	0.5
OCDD	0.6	4.41	2.1	4.0	4.5	2.2	3.4	4.6	4.4	2.8	NA	1.5	1.8
2,3,7,8-TeCDF	0.02	0.17	0.10	0.16	0.22	0.15	0.46	0.19	0.15	0.10	NA	0.08	0.24
1,2,3,7,8-PeCDF	0.04	0.22	0.14	0.32	0.38	0.04	0.14	0.24	0.23	0.16	NA	0.09	0.12
2,3,4,7,8-PeCDF	0.03	0.22	0.16	0.19	0.23	0.14	0.15	0.20	0.26	0.17	NA	0.11	0.13
1,2,3,4,7,8-HxCDF	0.04	0.25	0.17	0.31	0.41	0.16	0.43	0.25	0.69	0.44	NA	0.30	0.34
1,2,3,6,7,8-HxCDF	0.05	0.30	0.18	0.30	0.41	0.18	0.27	0.35	0.34	0.21	NA	0.13	0.13
1,2,3,7,8,9-HxCDF	0.06	0.03	0.26	0.02	0.09	0.07	0.08	0.47	0.02	0.02	NA	0.01	0.01
2,3,4,6,7,8-HxCDF	0.01	0.48	0.06	0.48	0.54	0.28	0.34	0.03	0.54	0.32	NA	0.16	0.24
1,2,3,4,6,7,8-HpCDF	0.30	1.68	0.95	1.90	1.80	1.11	1.59	1.75	1.92	1.29	NA	0.75	0.73
1,2,3,4,7,8,9-HpCDF	0.07	0.19	0.14	0.23	0.32	0.16	0.13	0.26	0.22	0.16	NA	0.05	0.11
OCDF	0.03	2.05	1.22	2.10	2.20	1.36	2.87	2.48	2.33	1.43	NA	0.95	1.00
<b>TEQ (PCDD/DF)</b>	<b>0.06</b>	<b>0.43</b>	<b>0.25</b>	<b>0.45</b>	<b>0.53</b>	<b>0.29</b>	<b>0.43</b>	<b>0.48</b>	<b>0.54</b>	<b>0.34</b>	<b>NA</b>	<b>0.19</b>	<b>0.25</b>
PCB #77	NA	0.05	NA	0.04	0.05	0.03	0.09	0.12	0.04	0.04	NA	<0.005	0.02
PCB #126	0.003	0.04	NA	0.03	0.03	0.02	0.04	0.05	ND	0.02	NA	<0.007	0.02
PCB #169	ND	0.02	NA	0.01	0.02	0.01	0.01	<0.04	ND	0.01	NA	<0.01	0.01
<b>TEQ (including PCBs)</b>	<b>0.06</b>	<b>0.43</b>	<b>NA</b>	<b>0.46</b>	<b>0.53</b>	<b>0.29</b>	<b>0.43</b>	<b>0.49</b>	<b>0.54</b>	<b>0.34</b>	<b>NA</b>	<b>0.19</b>	<b>0.25</b>
Other PCBs (Optional)													
PCB #81	NA	0.02	NA	0.02	0.01	0.01	0.01	0.03	ND	0.01	NA	<0.006	NA
PCB #105	NA	0.04	NA	0.04	0.06	0.15	0.07	0.16	0.13	0.06	NA	0.04	NA
PCB #114	NA	0.01	NA	0.01	<0.01	0.01	ND	<0.051	ND	0.01	NA	0.03	NA
PCB #118	NA	0.06	NA	0.07	0.09	0.33	0.24	0.37	0.27	0.09	NA	0.09	NA
PCB #123	NA	0.01	NA	0.01	0.01	0.15	ND	<0.015	0.04	0.01	NA	<0.005	NA
PCB #156	NA	0.03	NA	0.02	0.02	0.04	0.08	<0.10	ND	0.02	NA	0.02	NA
PCB #157	NA	0.02	NA	0.01	0.01	0.01	ND	<0.15	ND	0.01	NA	<0.008	NA
PCB #167	NA	0.03	NA	0.01	0.01	0.01	ND	0.08	ND	0.02	NA	<0.008	NA
PCB #189	NA	0.02	NA	0.02	0.01	0.01	0.02	0.12	ND	0.02	NA	0.01	NA
<b>TEQ Total</b>	<b>NA</b>	<b>0.43</b>	<b>NA</b>	<b>0.46</b>	<b>0.53</b>	<b>0.29</b>	<b>0.43</b>	<b>0.49</b>	<b>0.54</b>	<b>0.34</b>	<b>NA</b>	<b>0.19</b>	<b>NA</b>

\* all values in ng/g  
ND: not detected < than value expected  
NA: not analyzed

Ash A3

Participant code:	50	51	52	53	54	55	56	57	58	59	60	61	62
Weight Analysed:	1.00	1.07	0.50	0.51	5.05	NA	5.04	NA	5.40	14.05	3.00	5.00	1.54
2,3,7,8-TeCDD	0.047	0.020	0.041	0.036	0.042	NA	0.047	0.027	0.031	0.006	0.038	0.032	0.044
1,2,3,7,8-PeCDD	0.11	0.04	0.10	0.12	0.07	NA	0.10	0.05	0.08	0.00	0.11	0.06	0.11
1,2,3,4,7,8-HxCDD	0.10	0.03	0.08	0.08	0.06	NA	0.07	0.04	0.06	0.01	0.07	0.05	0.08
1,2,3,6,7,8-HxCDD	0.03	0.05	0.16	0.20	0.09	NA	0.12	0.06	0.09	0.02	0.10	0.08	0.14
1,2,3,7,8,9-HxCDD	0.20	0.05	0.14	0.25	0.08	NA	0.11	0.06	0.12	0.01	0.10	0.07	0.11
1,2,3,4,6,7,8-HpCDD	1.3	0.5	1.6	1.0	0.9	NA	1.3	0.5	0.8	0.5	0.9	0.7	1.5
OCDD	12.5	1.8	5.4	7.2	3.0	NA	4.3	2.1	3.3	5.2	3.2	2.9	4.7
2,3,7,8-TeCDF	0.16	0.09	0.24	0.13	0.16	NA	0.16	0.11	0.13	0.00	0.13	0.13	0.14
1,2,3,7,8-PeCDF	0.79	0.12	0.32	0.21	0.27	NA	0.26	0.15	0.21	0.00	0.18	0.20	0.29
2,3,4,7,8-PeCDF	0.68	0.13	0.21	0.26	0.19	NA	0.17	0.14	0.17	0.00	0.16	0.16	0.21
1,2,3,4,7,8-HxCDF	0.27	0.12	0.35	0.34	0.25	NA	0.28	0.16	0.20	0.03	0.23	0.21	0.30
1,2,3,6,7,8-HxCDF	0.30	0.14	0.36	0.39	0.31	NA	0.30	0.18	0.28	0.01	0.27	0.24	0.29
1,2,3,7,8,9-HxCDF	0.52	0.02	0.04	0.53	0.02	NA	0.11	0.27	0.02	0.00	0.02	0.02	0.03
2,3,4,6,7,8-HxCDF	0.14	0.24	0.46	0.13	0.43	NA	0.36	0.07	0.38	0.01	0.36	0.40	0.47
1,2,3,4,6,7,8-HpCDF	1.69	0.92	1.94	0.98	1.70	NA	1.80	0.95	1.61	0.14	1.46	1.30	1.80
1,2,3,4,7,8,9-HpCDF	0.24	0.12	0.33	0.20	0.21	NA	0.23	0.15	0.23	0.01	0.21	0.19	0.23
OCDF	3.45	0.96	2.49	1.89	2.10	NA	1.90	1.16	2.12	0.45	1.86	1.45	2.10
<b>TEQ (PCDD/DF)</b>	<b>0.70</b>	<b>0.21</b>	<b>0.48</b>	<b>0.52</b>	<b>0.39</b>	<b>0.13</b>	<b>0.43</b>	<b>0.27</b>	<b>0.37</b>	<b>0.02</b>	<b>0.39</b>	<b>0.33</b>	<b>0.47</b>
PCB #77	NA	0.02	0.39	NA	0.04	NA	0.04	NA	0.05	0.26	0.04	0.03	0.05
PCB #126	NA	0.01	0.04	NA	0.07	NA	0.03	NA	0.03	0.01	0.03	0.03	0.04
PCB #169	NA	0.01	0.01	NA	0.02	NA	0.02	NA	0.02	0.002	0.01	0.01	0.02
<b>TEQ (including PCBs)</b>	<b>NA</b>	<b>0.22</b>	<b>0.49</b>	<b>NA</b>	<b>0.40</b>	<b>0.13</b>	<b>0.43</b>	<b>NA</b>	<b>0.37</b>	<b>0.03</b>	<b>0.39</b>	<b>0.33</b>	<b>0.47</b>
Other PCBs (Optional)													
PCB #81	NA	NA	NA	NA	ND	NA	0.01	NA	0.05	0.01	0.01	0.01	0.02
PCB #105	NA	NA	NA	NA	ND	NA	0.03	NA	0.10	0.49	0.06	0.05	0.06
PCB #114	NA	NA	NA	NA	ND	NA	0.01	NA	0.01	0.02	0.01	0.01	0.01
PCB #118	NA	NA	NA	NA	0.14	NA	0.05	NA	0.10	2.50	0.13	0.06	0.13
PCB #123	NA	NA	NA	NA	NA	NA	0.01	NA	0.01	0.02	0.01	0.01	0.01
PCB #156	NA	NA	NA	NA	0.17	NA	0.03	NA	0.05	0.39	0.03	0.03	0.04
PCB #157	NA	NA	NA	NA	ND	NA	0.01	NA	0.02	0.05	0.01	0.01	0.02
PCB #167	NA	NA	NA	NA	0.10	NA	0.01	NA	0.01	0.21	0.01	0.01	0.01
PCB #189	NA	NA	NA	NA	ND	NA	0.03	NA	0.02	0.07	0.02	0.02	0.03
<b>TEQ Total</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>0.40</b>	<b>0.13</b>	<b>0.43</b>	<b>NA</b>	<b>0.37</b>	<b>0.03</b>	<b>0.39</b>	<b>0.33</b>	<b>0.47</b>
* all values in ng/g													
ND: not detected < than value expected													
NA: not analyzed													

Ash A4

Participant code:	63	65	66	67	68	69	70	71	72	73	75	76	77
Weight Analysed:	2.01	1.85	3.45	1.00	5.00	2.00	1.95	0.91	5.00	7.03	3.65	5.00	2.00
2,3,7,8-TeCDD	0.017	0.050	0.045	0.039	0.041	0.046	0.039	0.024	0.043	0.043	0.031	0.014	0.038
1,2,3,7,8-PeCDD	0.05	0.11	0.11	0.10	0.09	0.11	0.11	0.05	0.11	0.12	0.09	0.09	0.09
1,2,3,4,7,8-HxCDD	0.03	0.09	0.09	0.07	0.06	0.09	0.08	0.03	0.08	0.09	0.07	0.03	0.05
1,2,3,6,7,8-HxCDD	0.06	0.13	0.14	0.11	0.11	0.14	0.12	0.05	0.15	0.13	0.10	0.04	0.10
1,2,3,7,8,9-HxCDD	0.05	0.17	0.14	0.12	0.13	0.14	0.12	0.04	0.14	0.11	0.11	0.04	0.10
1,2,3,4,6,7,8-HpCDD	0.6	1.3	1.3	1.0	1.2	1.5	1.2	0.5	1.5	1.7	1.0	1.1	1.2
OCDD	2.0	6.3	4.5	3.8	4.3	4.5	3.5	2.1	5.0	5.9	3.5	3.7	3.8
2,3,7,8-TeCDF	0.10	0.21	0.17	0.15	0.16	0.18	0.16	0.10	0.21	0.27	0.14	0.04	0.13
1,2,3,7,8-PeCDF	0.14	0.34	0.32	0.24	0.35	0.25	0.22	0.10	0.28	0.29	0.26	0.10	0.20
2,3,4,7,8-PeCDF	0.14	0.24	0.22	0.19	0.17	0.29	0.17	0.12	0.30	0.19	0.17	0.08	0.27
1,2,3,4,7,8-HxCDF	0.15	0.45	0.29	0.27	0.33	0.35	0.24	0.14	0.31	0.31	0.26	0.21	0.23
1,2,3,6,7,8-HxCDF	0.18	0.45	0.37	0.25	0.32	0.36	0.30	0.17	0.37	0.40	0.28	0.20	0.26
1,2,3,7,8,9-HxCDF	0.28	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.05	0.02	0.06	0.33	0.06
2,3,4,6,7,8-HxCDF	0.06	0.58	0.49	0.38	0.51	0.49	0.45	0.27	0.58	0.46	0.35	0.06	0.41
1,2,3,4,6,7,8-HpCDF	0.97	2.65	1.80	1.38	1.70	1.76	1.61	0.97	2.08	2.22	1.37	1.73	1.87
1,2,3,4,7,8,9-HpCDF	0.14	1.34	0.28	0.22	0.27	0.24	0.22	0.13	0.31	0.23	0.23	0.15	0.27
OCDF	1.28	2.77	2.20	2.10	2.20	2.45	2.01	1.20	2.24	2.59	1.65	1.79	2.32
<b>TEQ (PCDD/DF)</b>	<b>0.24</b>	<b>0.56</b>	<b>0.49</b>	<b>0.41</b>	<b>0.43</b>	<b>0.52</b>	<b>0.43</b>	<b>0.24</b>	<b>0.55</b>	<b>0.50</b>	<b>0.39</b>	<b>0.23</b>	<b>0.44</b>
PCB #77	NA	NA	0.06	0.04	0.04	0.05	NA	NA	0.04	0.06	0.03	ND	NA
PCB #126	NA	NA	0.04	0.03	0.03	0.04	NA	NA	0.03	0.04	0.02	ND	NA
PCB #169	NA	NA	0.02	0.02	0.02	0.02	NA	NA	0.03	0.02	0.01	NA	NA
<b>TEQ (including PCBs)</b>	<b>NA</b>	<b>0.56</b>	<b>0.49</b>	<b>0.41</b>	<b>0.44</b>	<b>0.53</b>	<b>NA</b>	<b>NA</b>	<b>0.55</b>	<b>0.50</b>	<b>0.39</b>	<b>0.23</b>	<b>NA</b>
Other PCBs (Optional)													
PCB #81	NA	NA	0.02	0.02	0.02	0.02	NA	NA	0.01	NA	NA	NA	NA
PCB #105	NA	NA	0.05	0.04	0.05	0.05	NA	NA	0.06	NA	NA	NA	NA
PCB #114	NA	NA	0.01	0.01	0.01	0.01	NA	NA	0.01	NA	NA	NA	NA
PCB #118	NA	NA	0.07	0.14	0.07	0.09	NA	NA	0.10	NA	NA	NA	NA
PCB #123	NA	NA	0.01	0.01	0.01	0.01	NA	NA	0.01	NA	NA	NA	NA
PCB #156	NA	NA	0.03	0.02	0.02	0.03	NA	NA	0.05	NA	NA	NA	NA
PCB #157	NA	NA	0.02	0.01	0.01	0.02	NA	NA	0.02	NA	NA	NA	NA
PCB #167	NA	NA	0.01	<0.005	0.01	0.01	NA	NA	0.02	NA	NA	NA	NA
PCB #189	NA	NA	0.03	0.03	0.02	0.03	NA	NA	0.05	NA	NA	NA	NA
<b>TEQ Total</b>	<b>NA</b>	<b>NA</b>	<b>0.49</b>	<b>0.41</b>	<b>0.44</b>	<b>0.53</b>	<b>NA</b>	<b>NA</b>	<b>0.55</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>
* all values in ng/g													
ND: not detected < than value expected													
NA: not analyzed													

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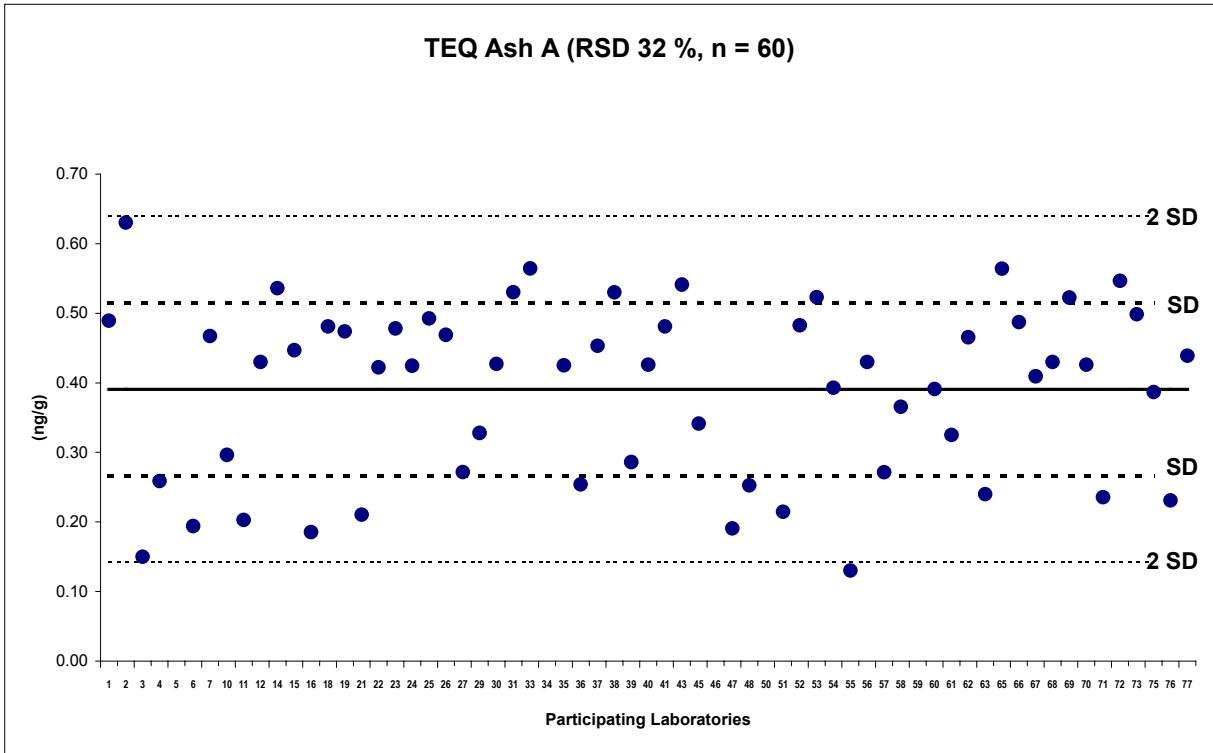
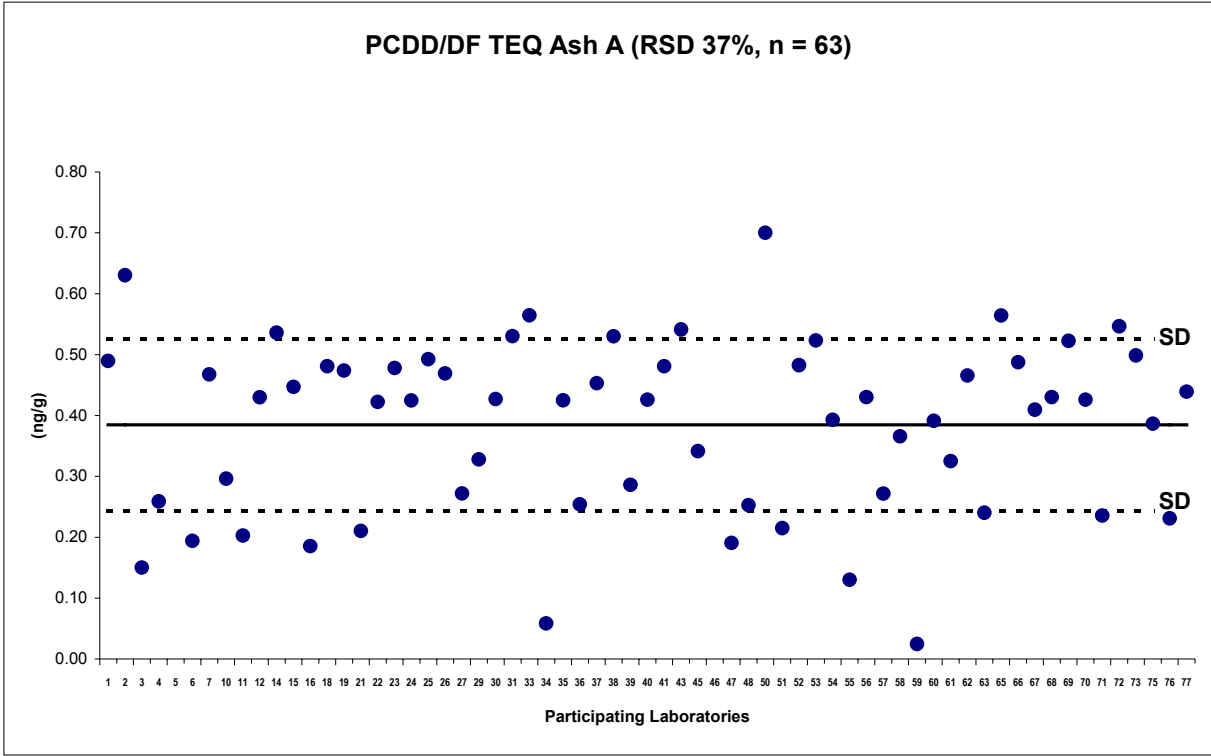
Participant code:						
Weight Analysed:						
	Average	Median	Min	Max	SD	%RSD
2,3,7,8-TeCDD	0.033	0.037	0.004	0.054	0.013	39%
1,2,3,7,8-PeCDD	0.08	0.09	0.00	0.14	0.03	39%
1,2,3,4,7,8-HxCDD	0.06	0.07	0.01	0.13	0.03	42%
1,2,3,6,7,8-HxCDD	0.10	0.11	0.02	0.20	0.04	44%
1,2,3,7,8,9-HxCDD	0.11	0.11	0.01	0.25	0.05	47%
1,2,3,4,6,7,8-HpCDD	1.0	1.1	0.2	1.7	0.4	37%
OCDD	3.8	4.0	0.6	12.5	1.7	46%
2,3,7,8-TeCDF	0.16	0.16	0.004	0.46	0.07	44%
1,2,3,7,8-PeCDF	0.22	0.22	0.003	0.79	0.12	53%
2,3,4,7,8-PeCDF	0.20	0.19	0.004	0.68	0.10	50%
1,2,3,4,7,8-HxCDF	0.27	0.27	0.03	0.69	0.13	46%
1,2,3,6,7,8-HxCDF	0.27	0.29	0.01	0.49	0.10	37%
1,2,3,7,8,9-HxCDF	0.09	0.03	0.00	0.53	0.14	146%
2,3,4,6,7,8-HxCDF	0.34	0.38	0.01	0.85	0.19	55%
1,2,3,4,6,7,8-HpCDF	1.47	1.61	0.14	2.65	0.48	33%
1,2,3,4,7,8,9-HpCDF	0.22	0.21	0.01	1.34	0.16	75%
OCDF	1.84	2.03	0.03	3.45	0.64	35%
<b>TEQ (PCDD/DF)</b>	<b>0.38</b>	<b>0.43</b>	<b>0.02</b>	<b>0.70</b>	<b>0.14</b>	<b>37%</b>
PCB #77	0.06	0.04	0.02	0.39	0.06	105%
PCB #126	0.03	0.03	0.003	0.07	0.01	38%
PCB #169	0.02	0.02	0.002	0.03	0.01	41%
<b>TEQ (including PCBs)</b>	<b>0.39</b>	<b>0.43</b>	<b>0.03</b>	<b>0.56</b>	<b>0.14</b>	<b>35%</b>
Other PCBs (Optional)						
PCB #81	0.02	0.02	0.00	0.16	0.03	132%
PCB #105	0.11	0.06	0.03	0.68	0.15	130%
PCB #114	0.01	0.01	0.003	0.05	0.01	88%
PCB #118	0.28	0.11	0.05	2.50	0.50	175%
PCB #123	0.02	0.01	0.005	0.15	0.03	158%
PCB #156	0.06	0.03	0.02	0.39	0.07	124%
PCB #157	0.02	0.02	0.01	0.07	0.01	67%
PCB #167	0.04	0.02	0.01	0.22	0.05	147%
PCB #189	0.03	0.03	0.00	0.12	0.02	75%
<b>TEQ Total</b>	<b>0.40</b>	<b>0.43</b>	<b>0.03</b>	<b>0.55</b>	<b>0.13</b>	<b>32%</b>

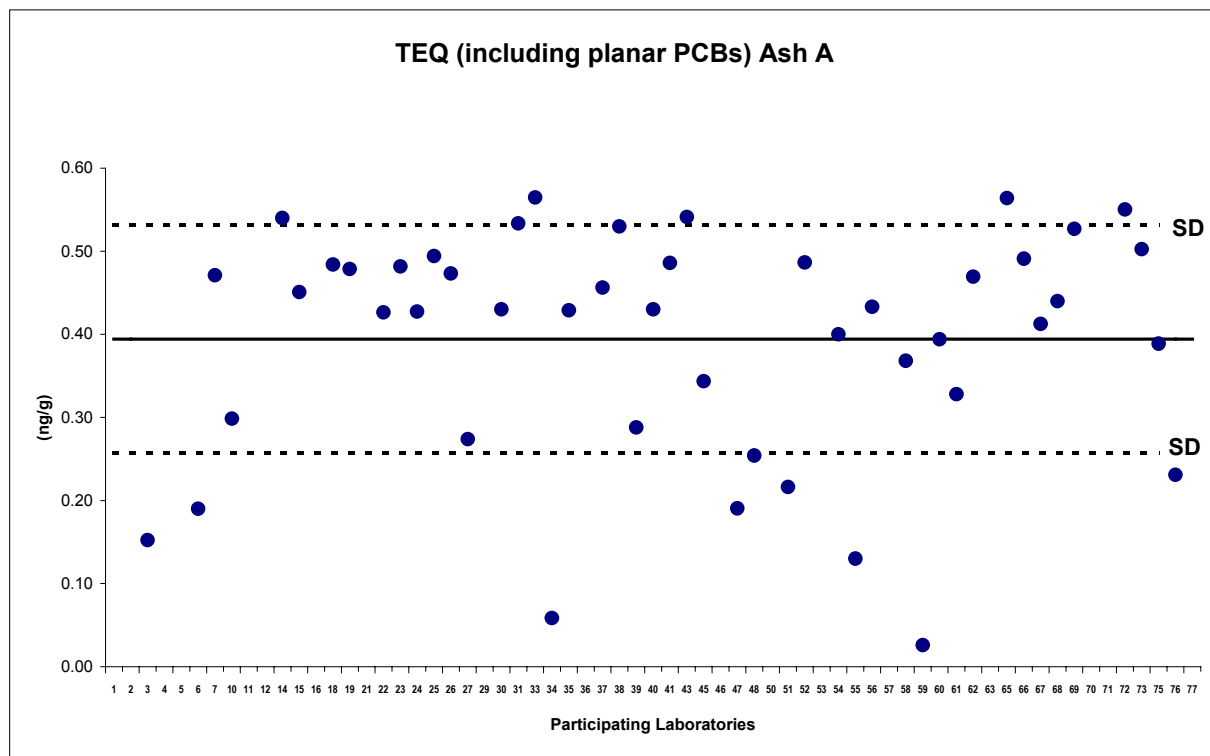
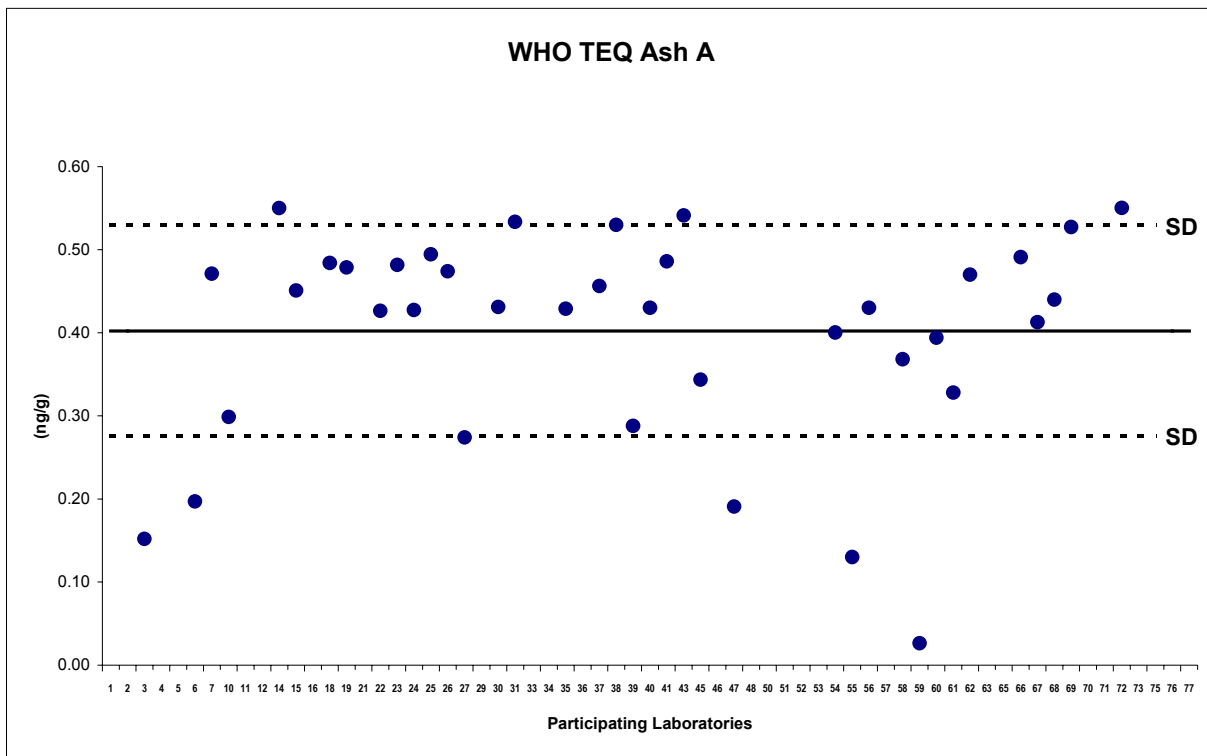
\* all values in ng/g

ND: not detected < than value expected

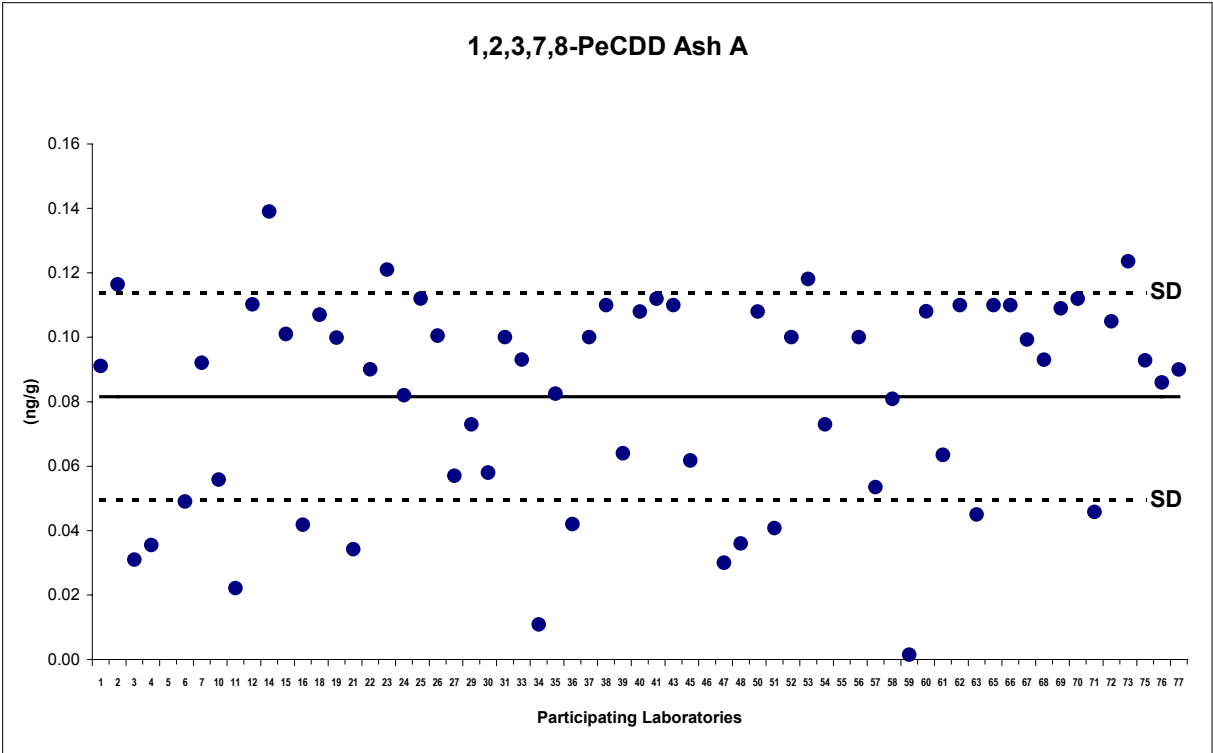
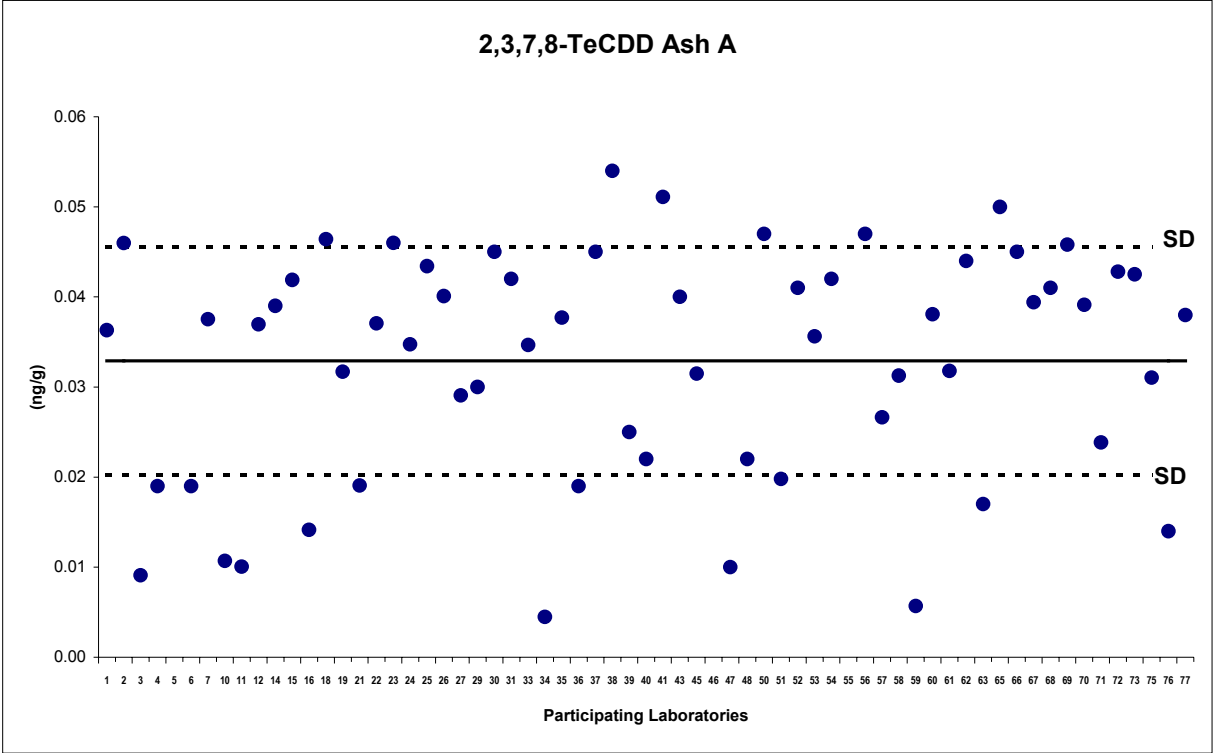
NA: not analyzed

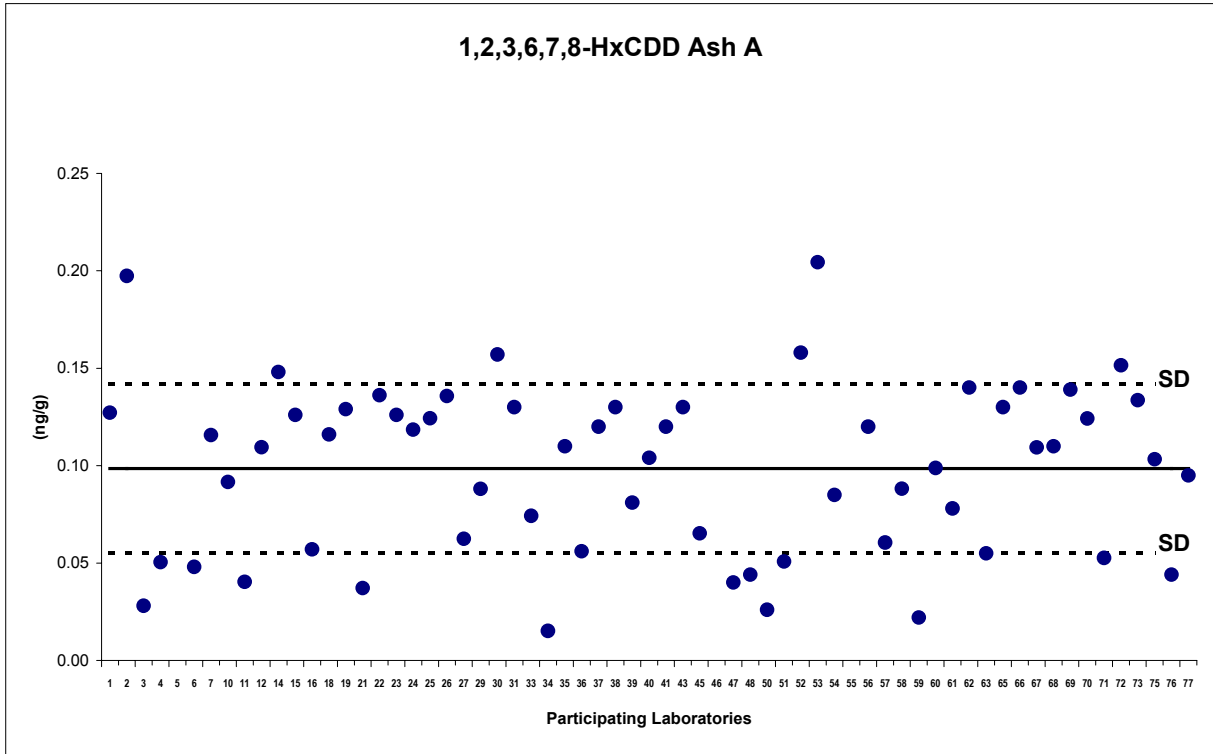
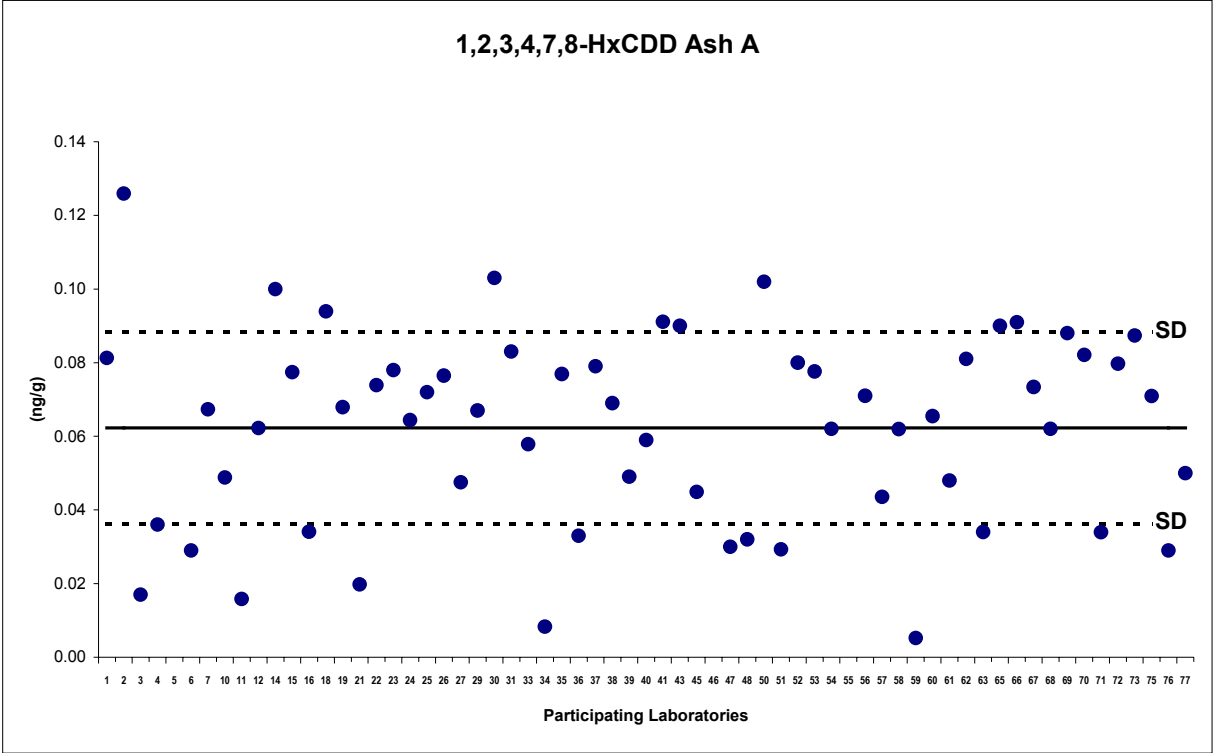
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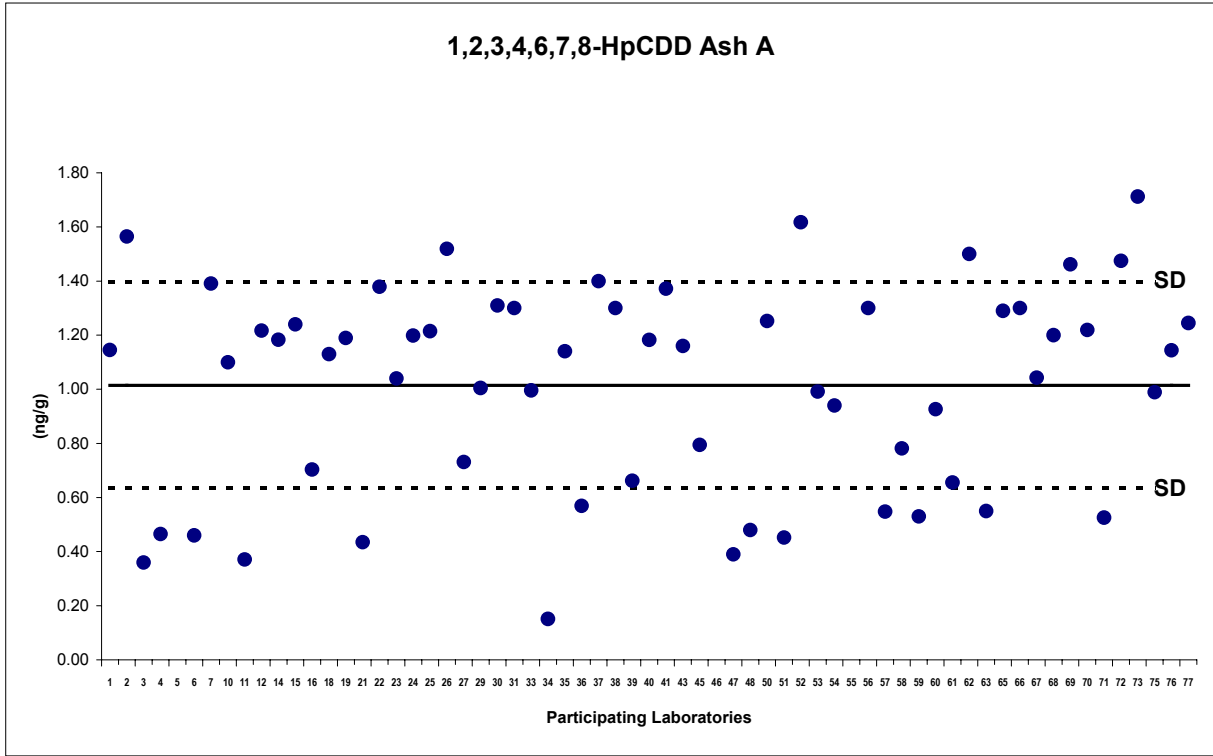
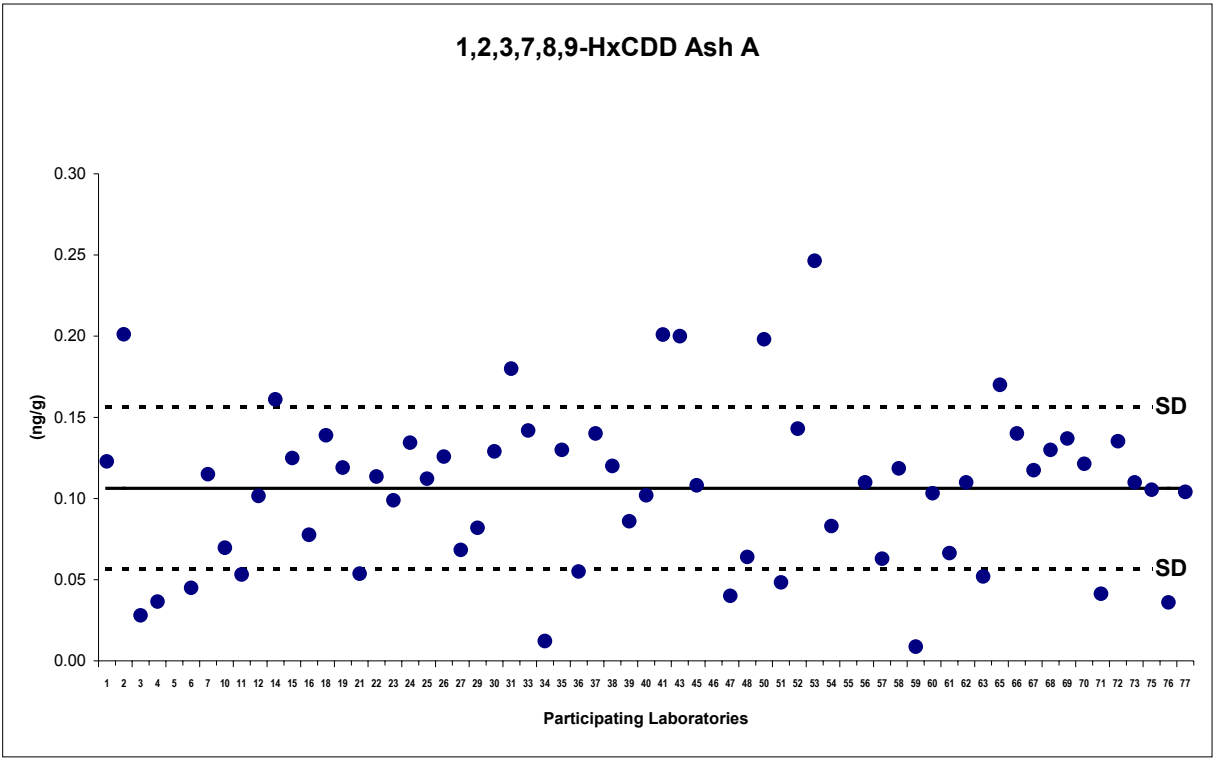


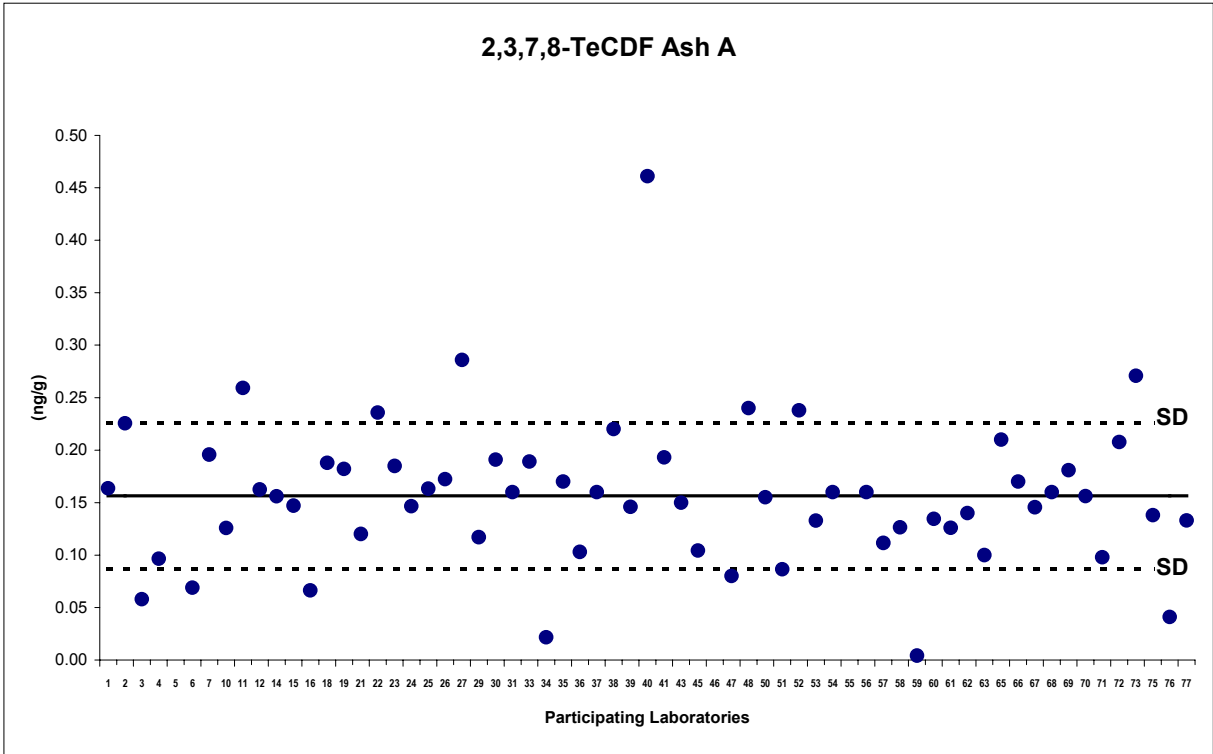
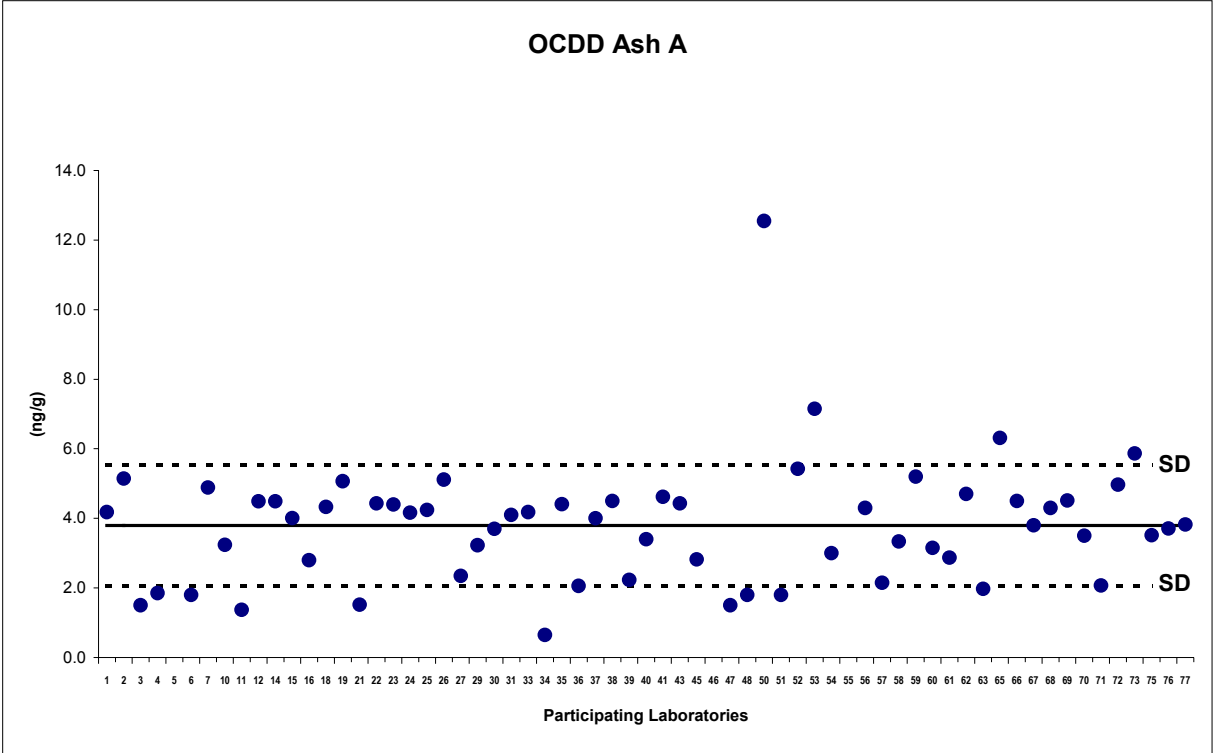


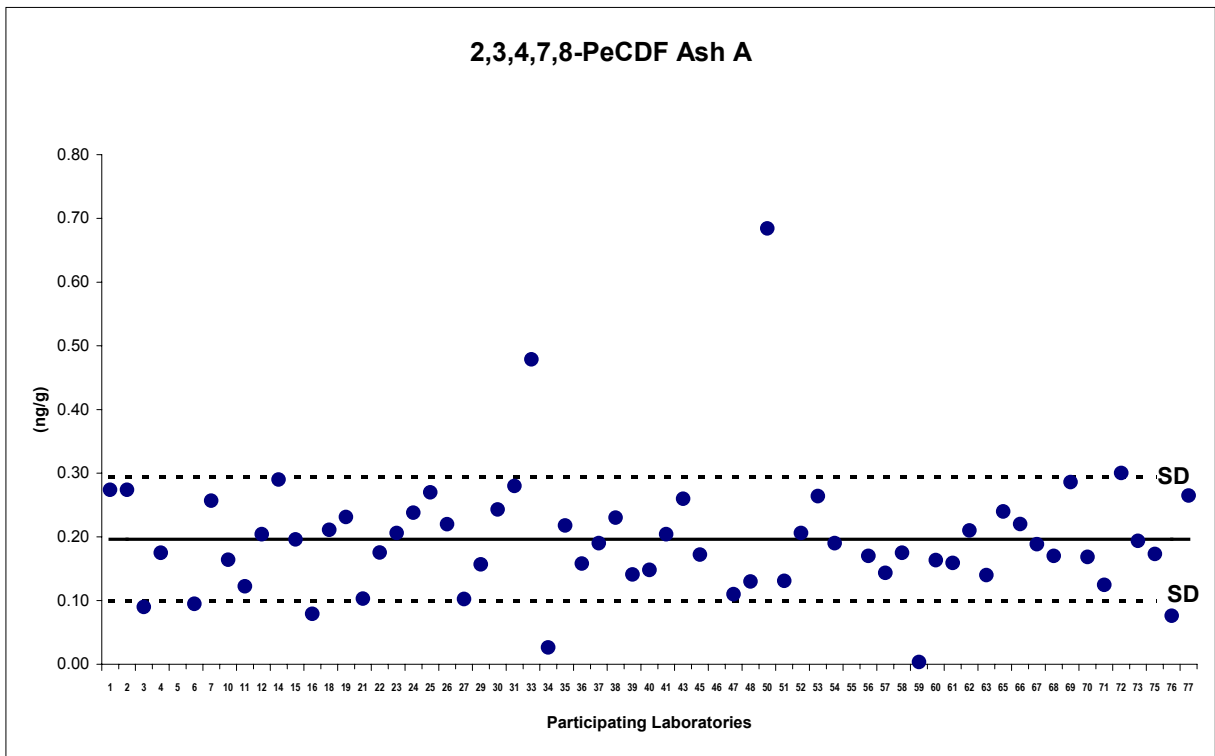
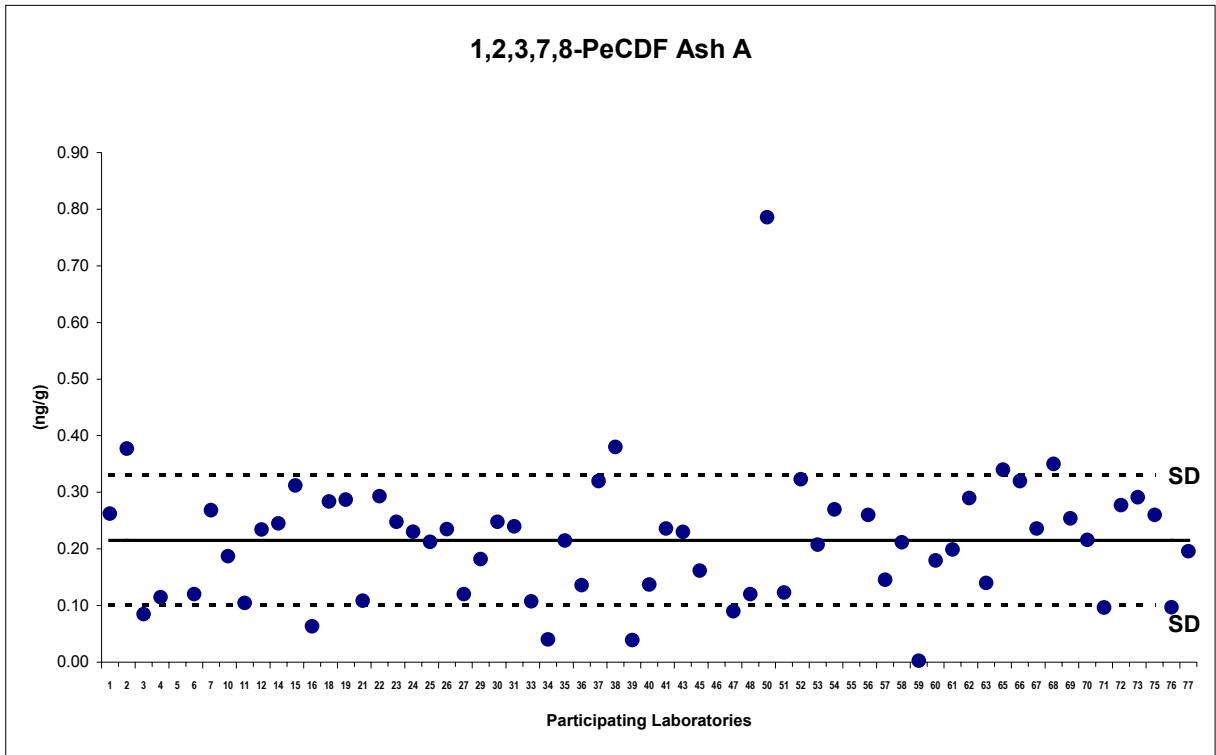


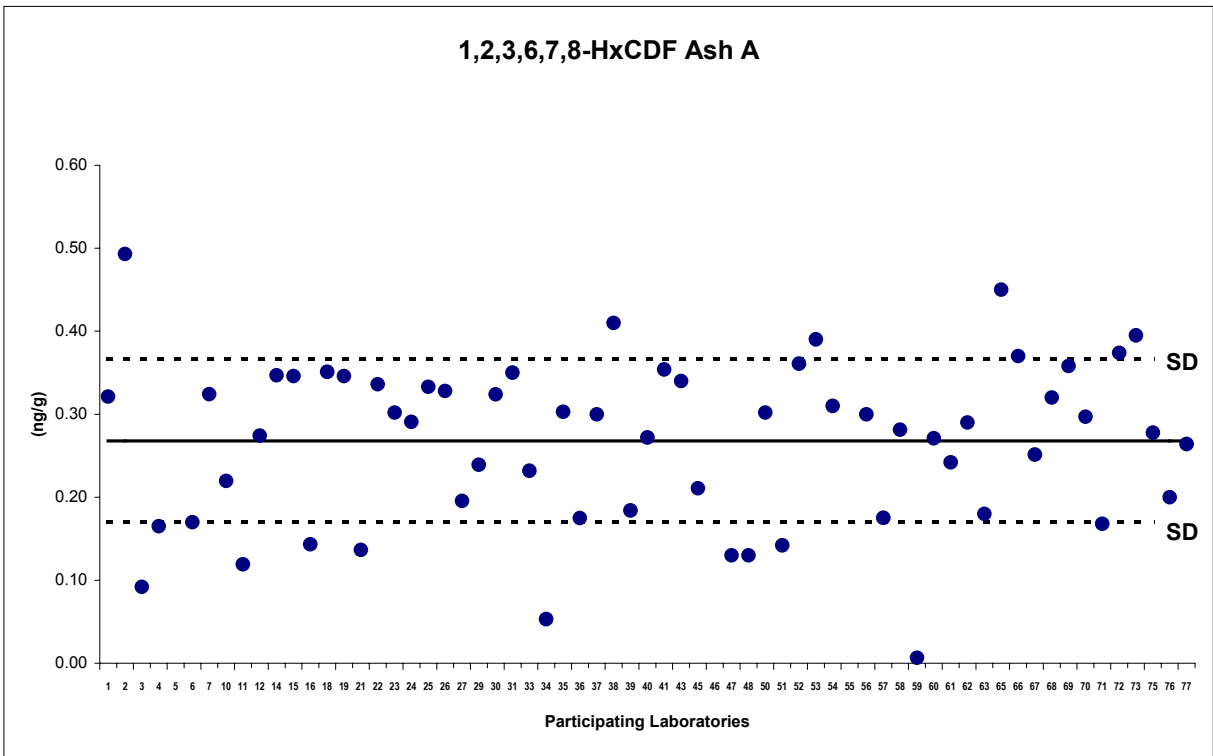
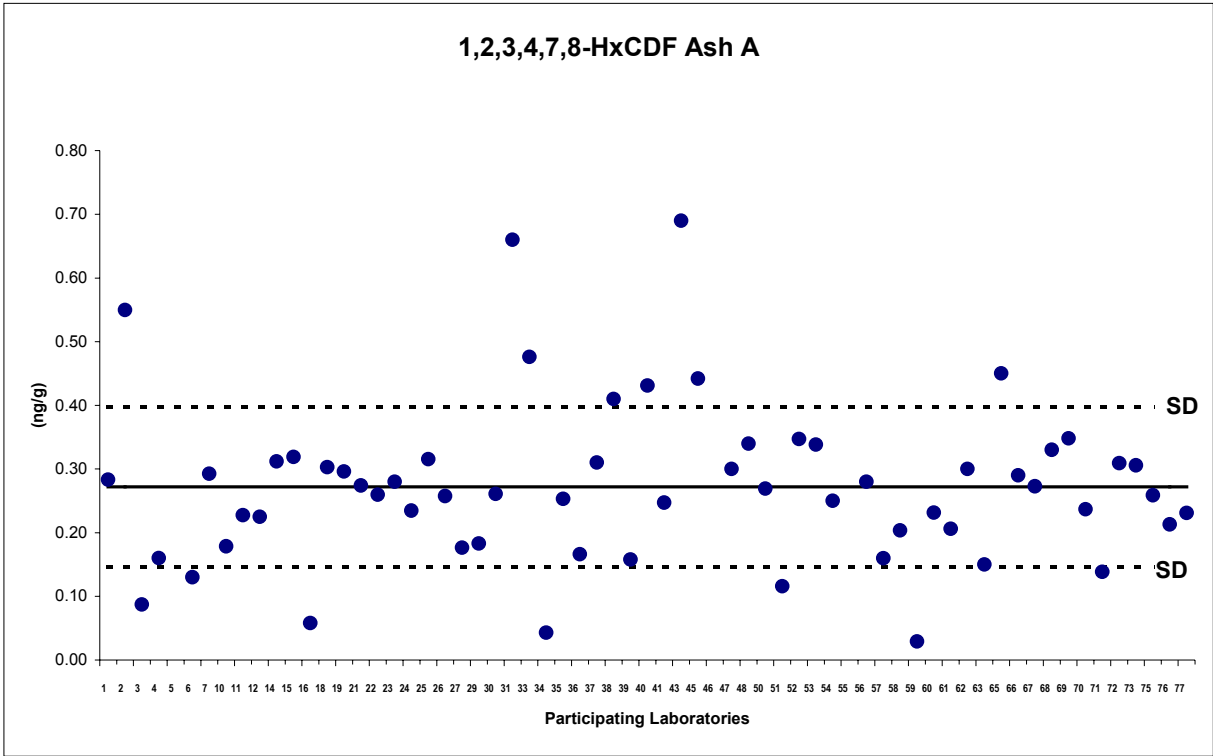


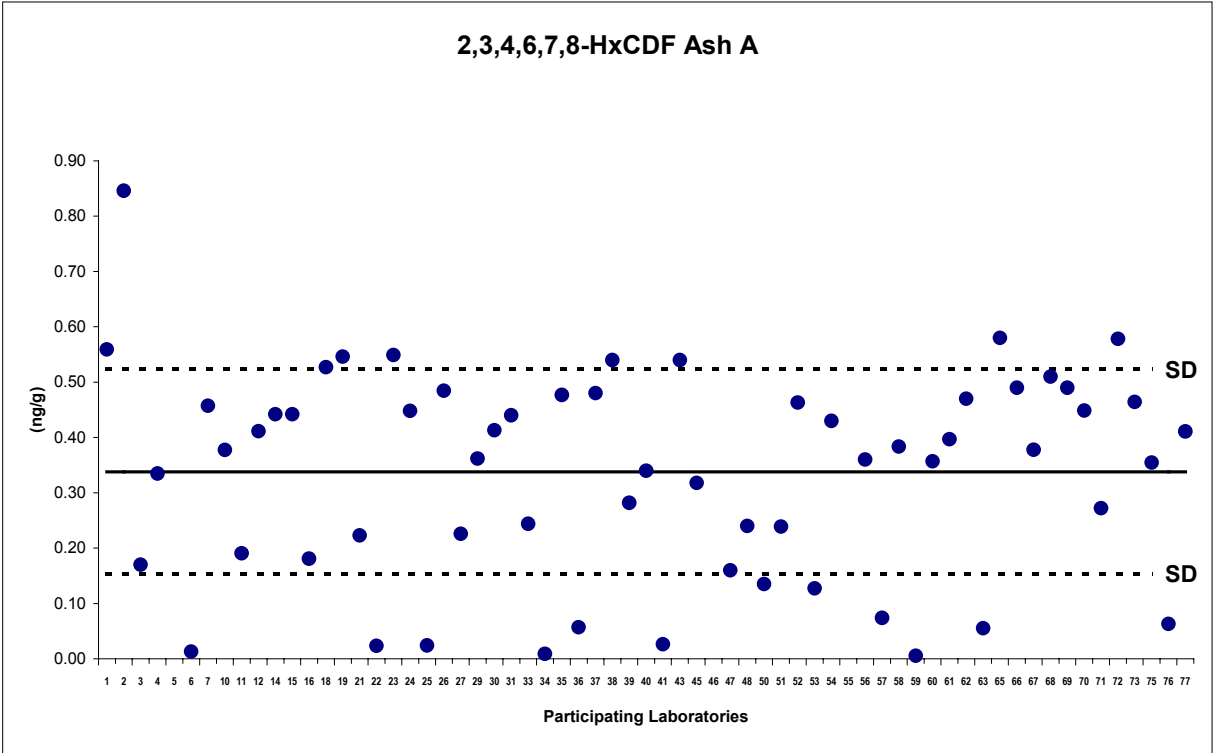
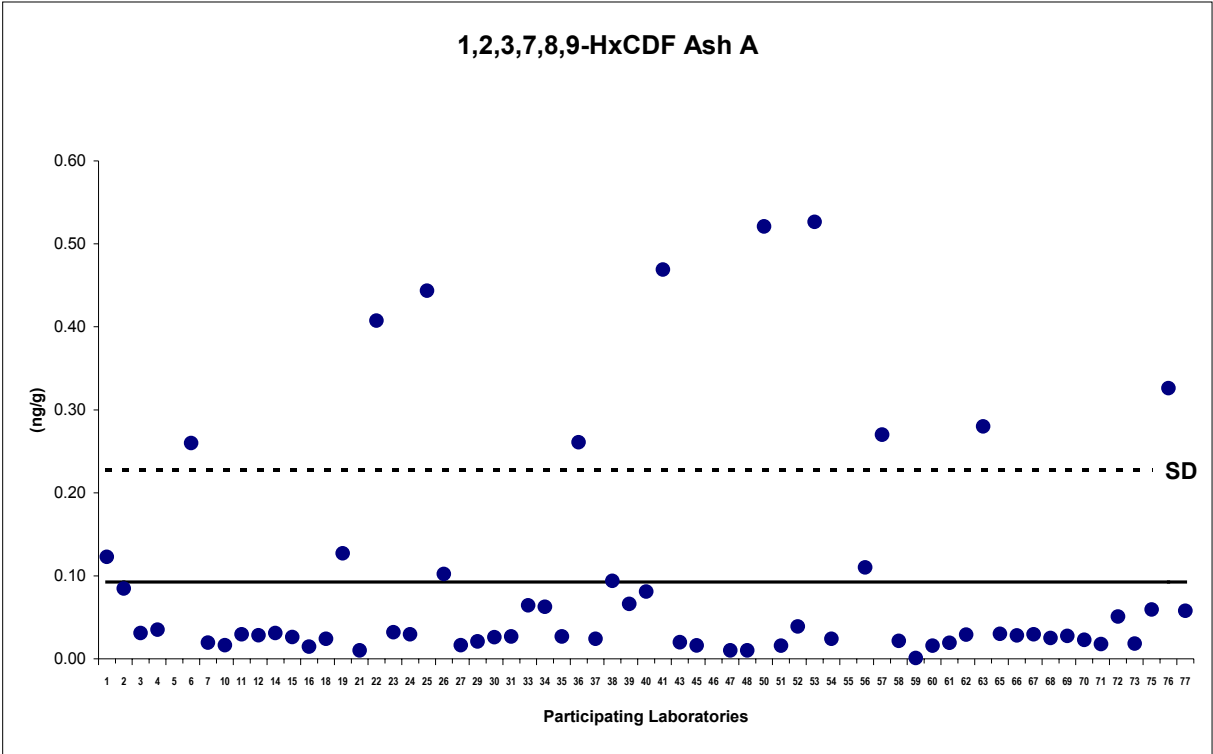


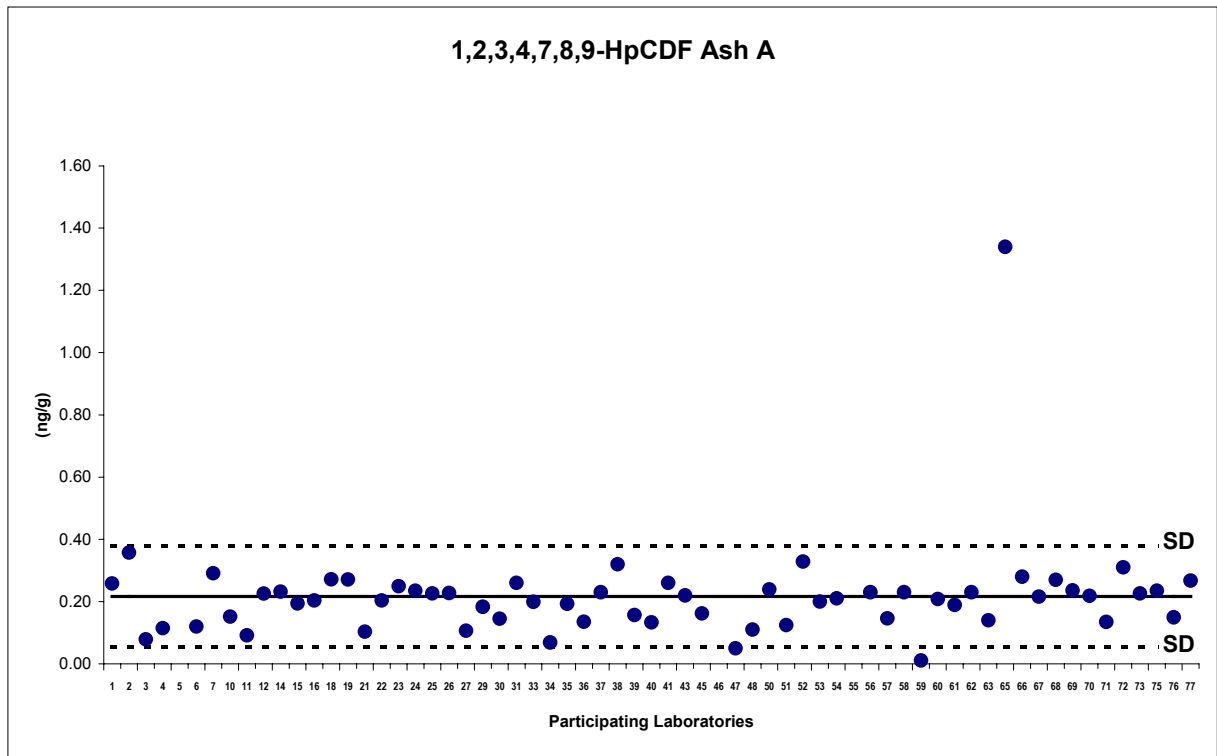
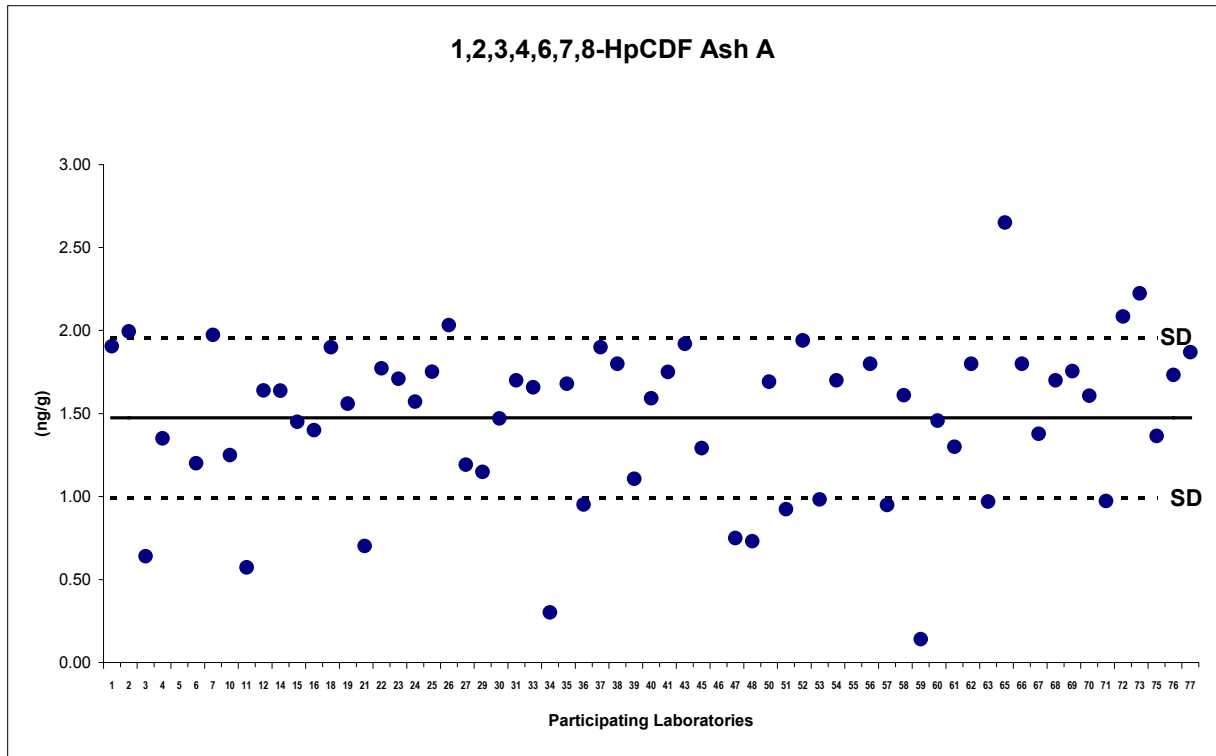




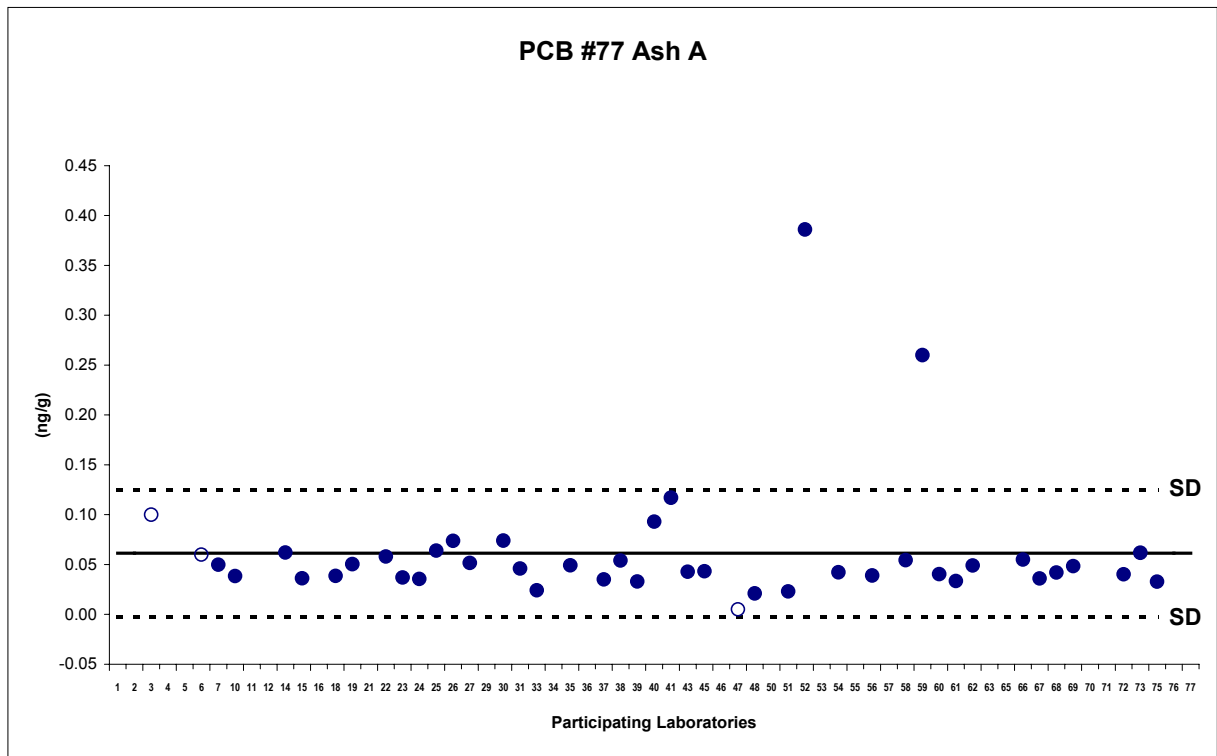
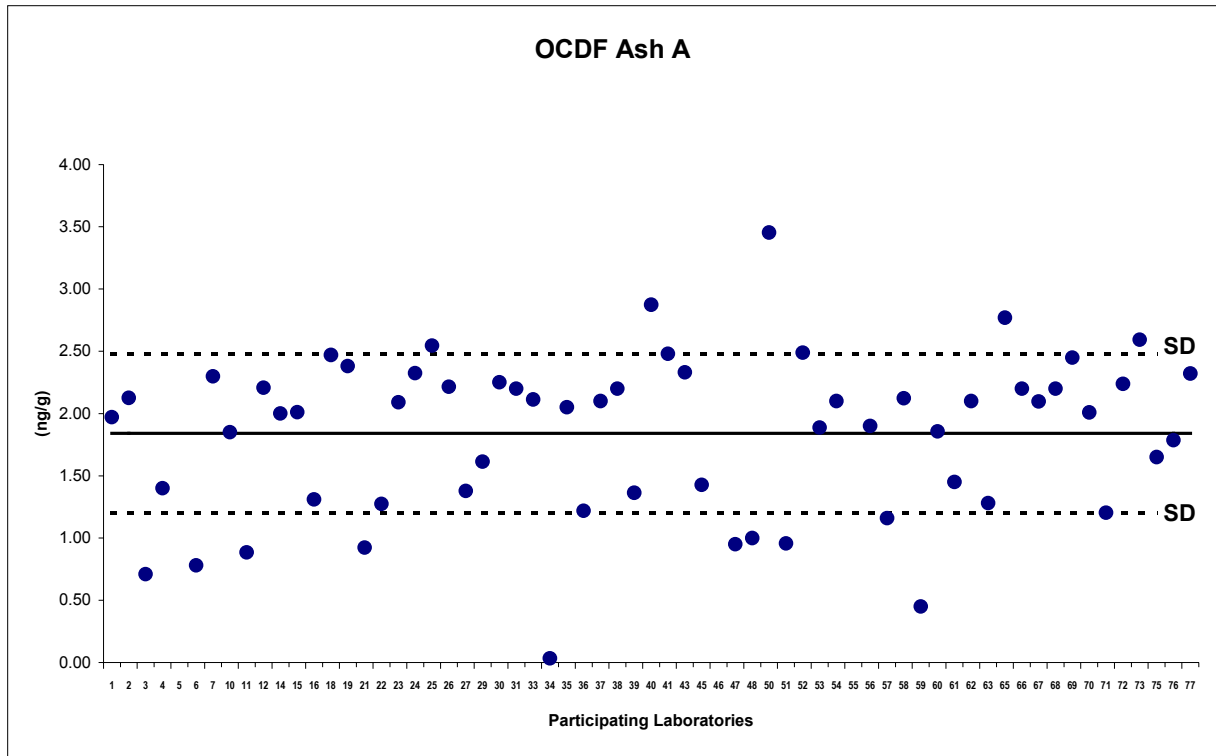


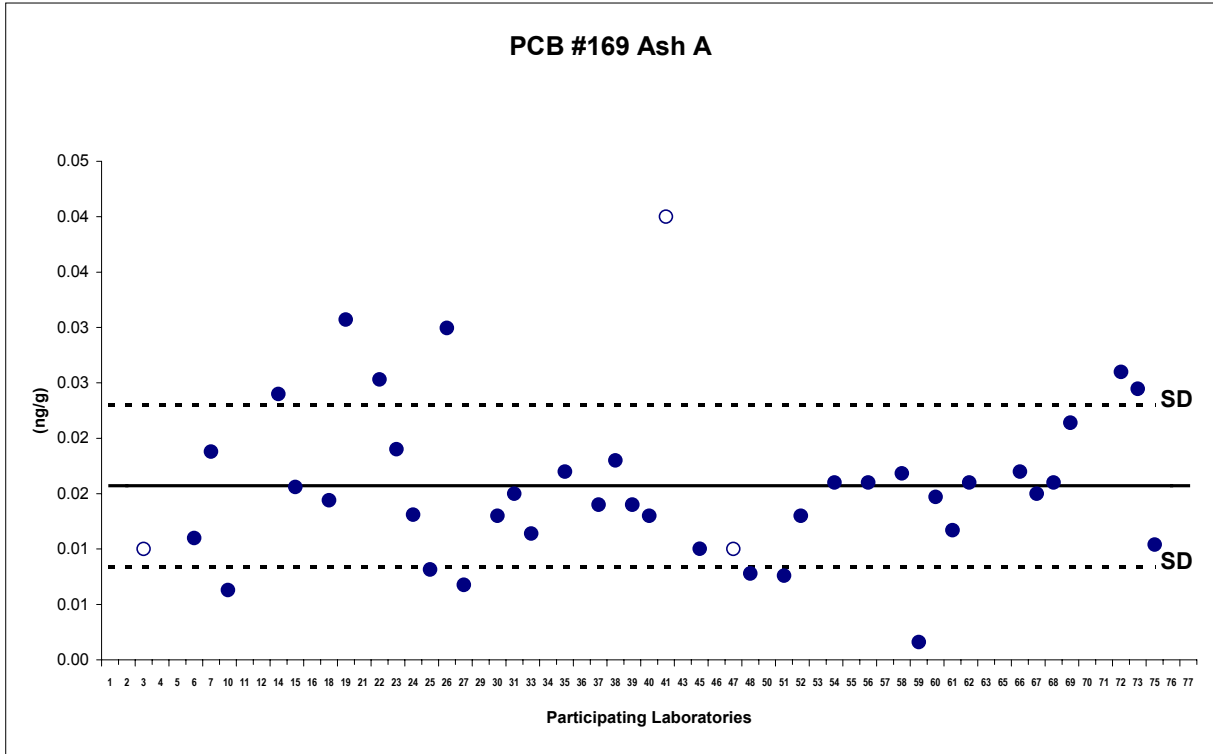
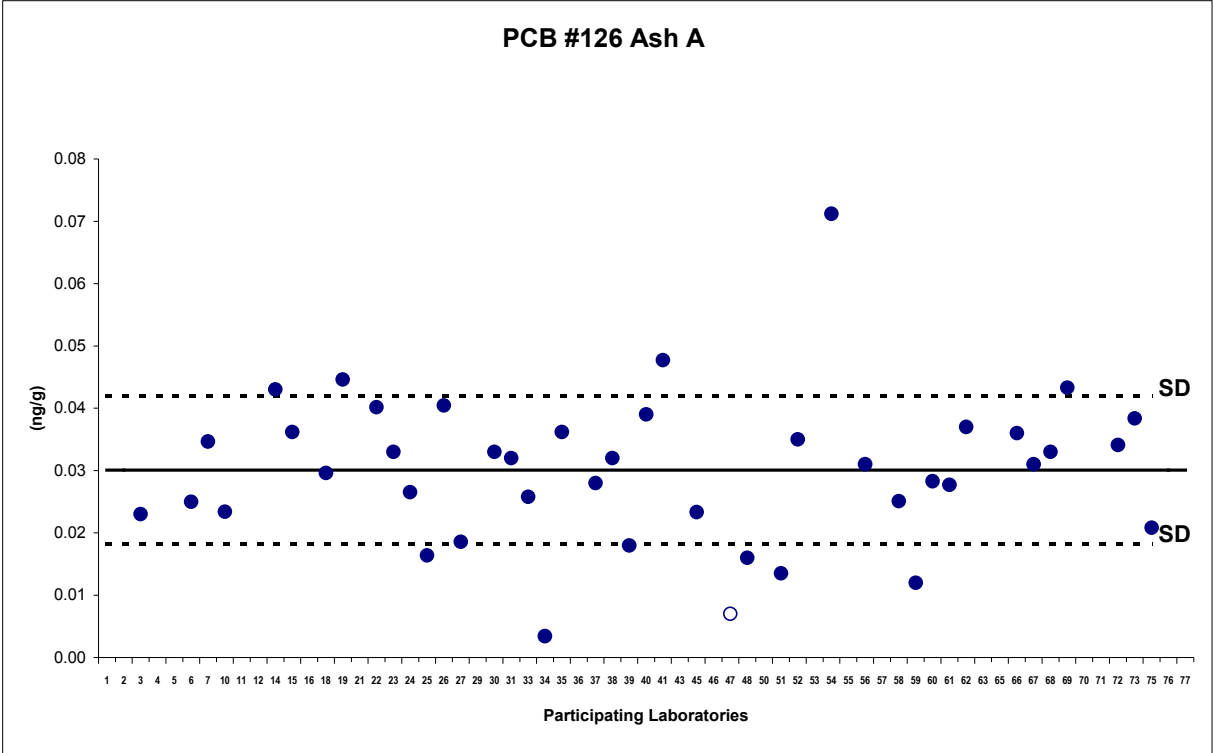


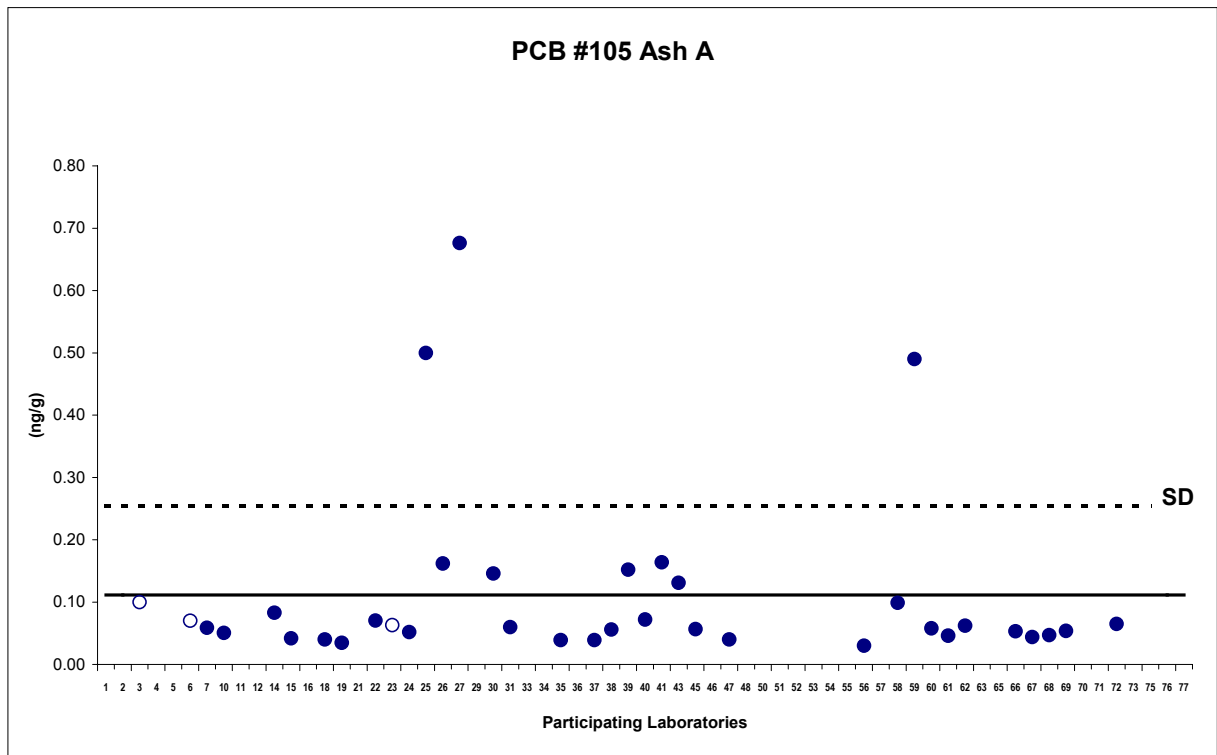
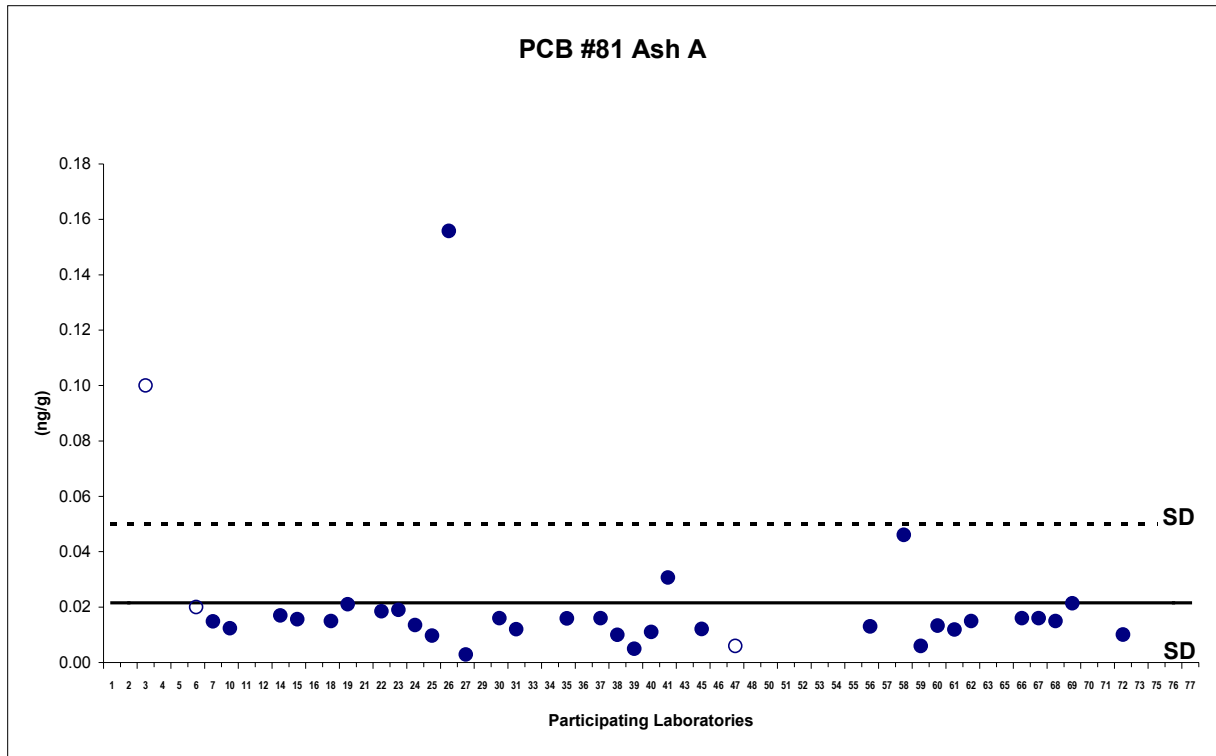


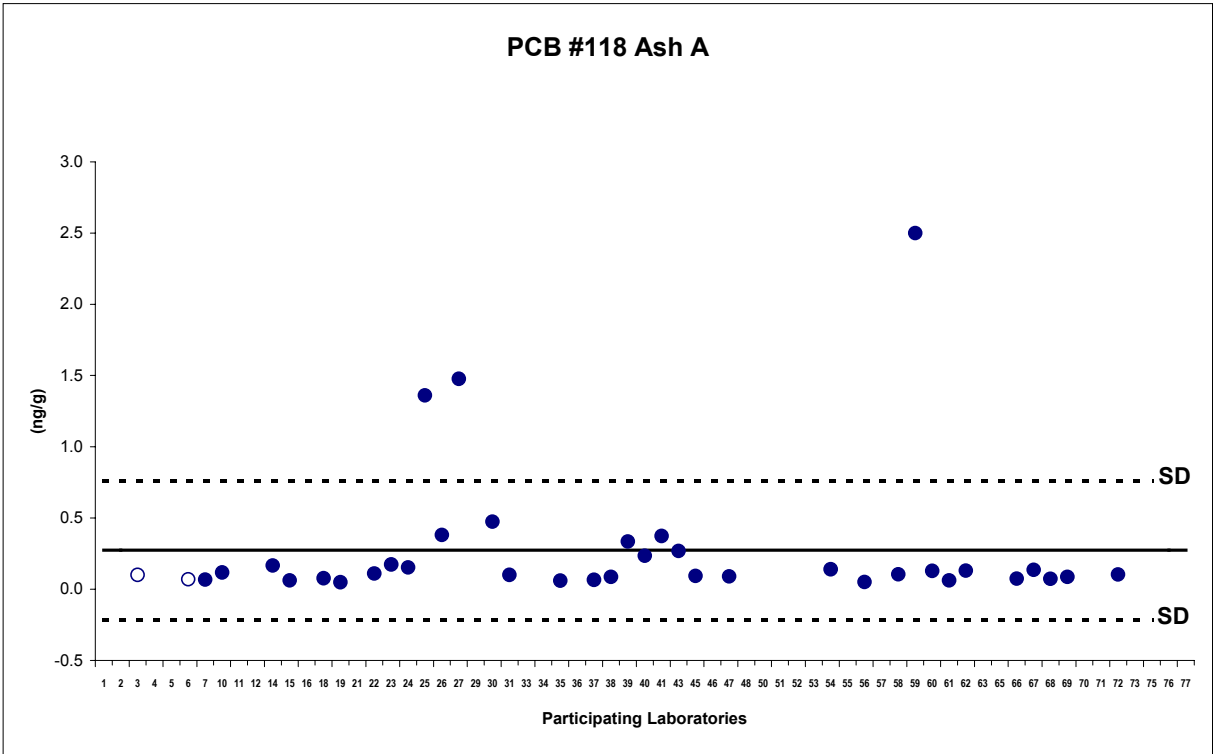
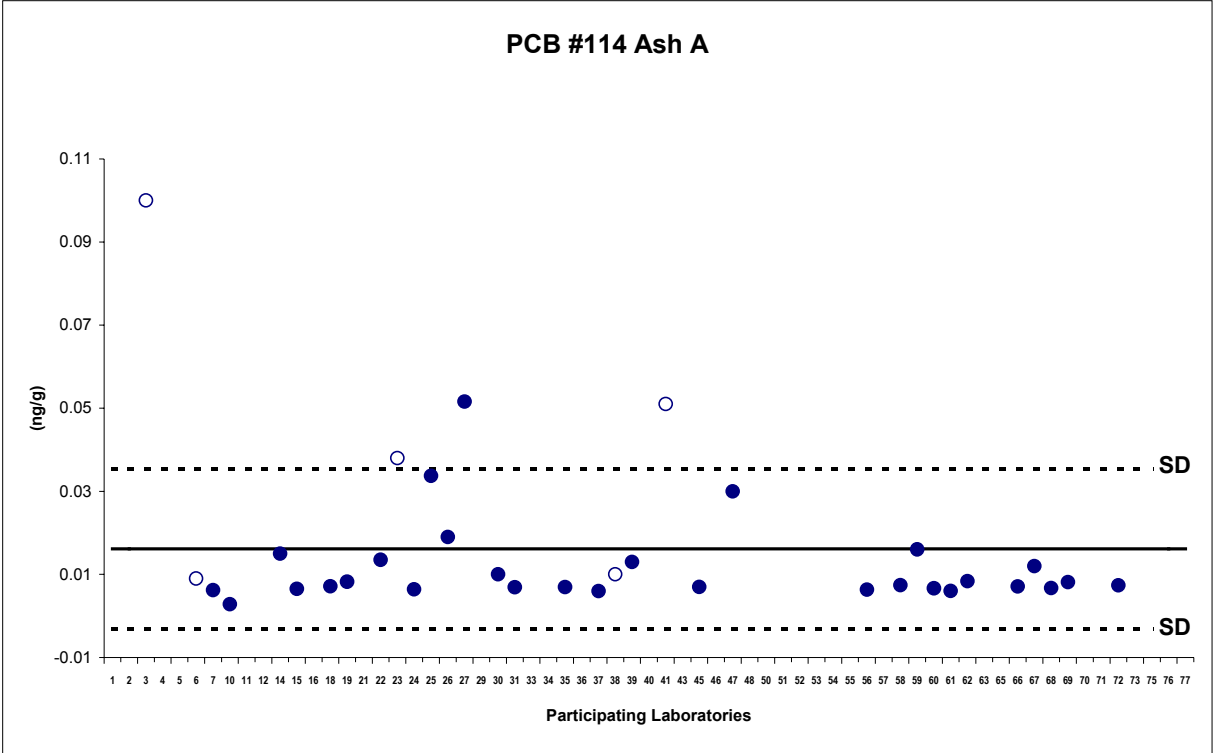


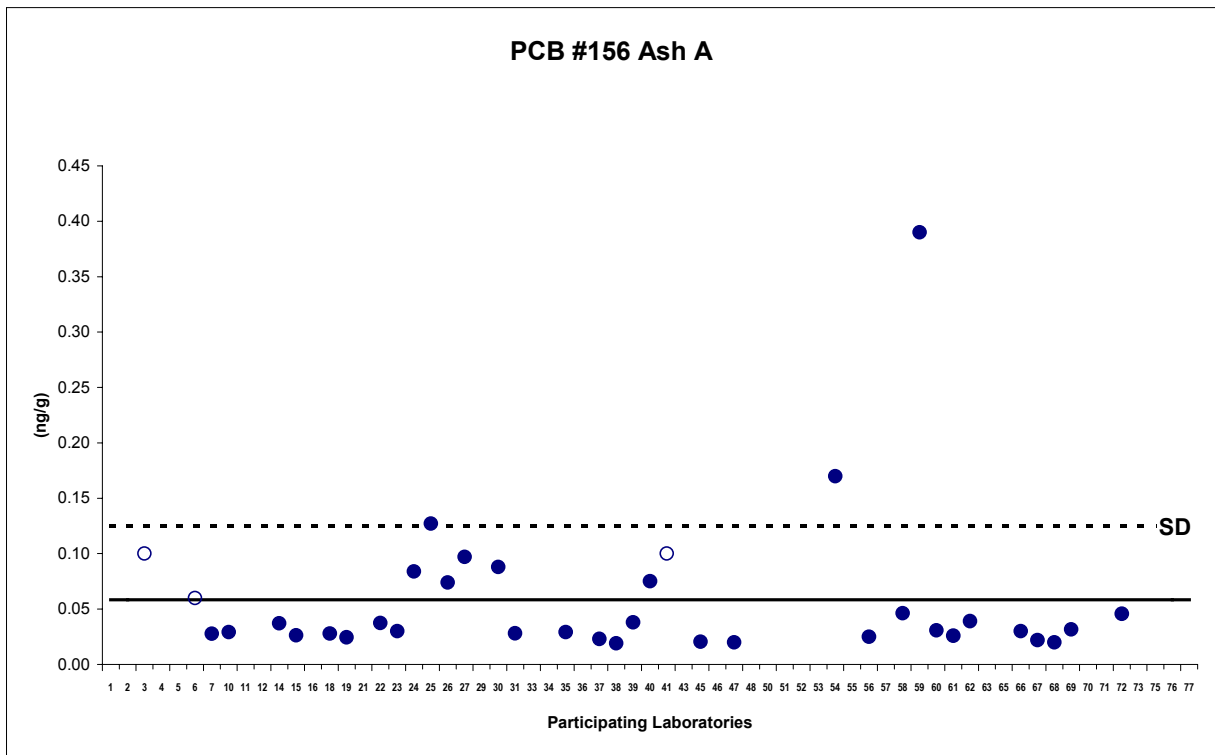
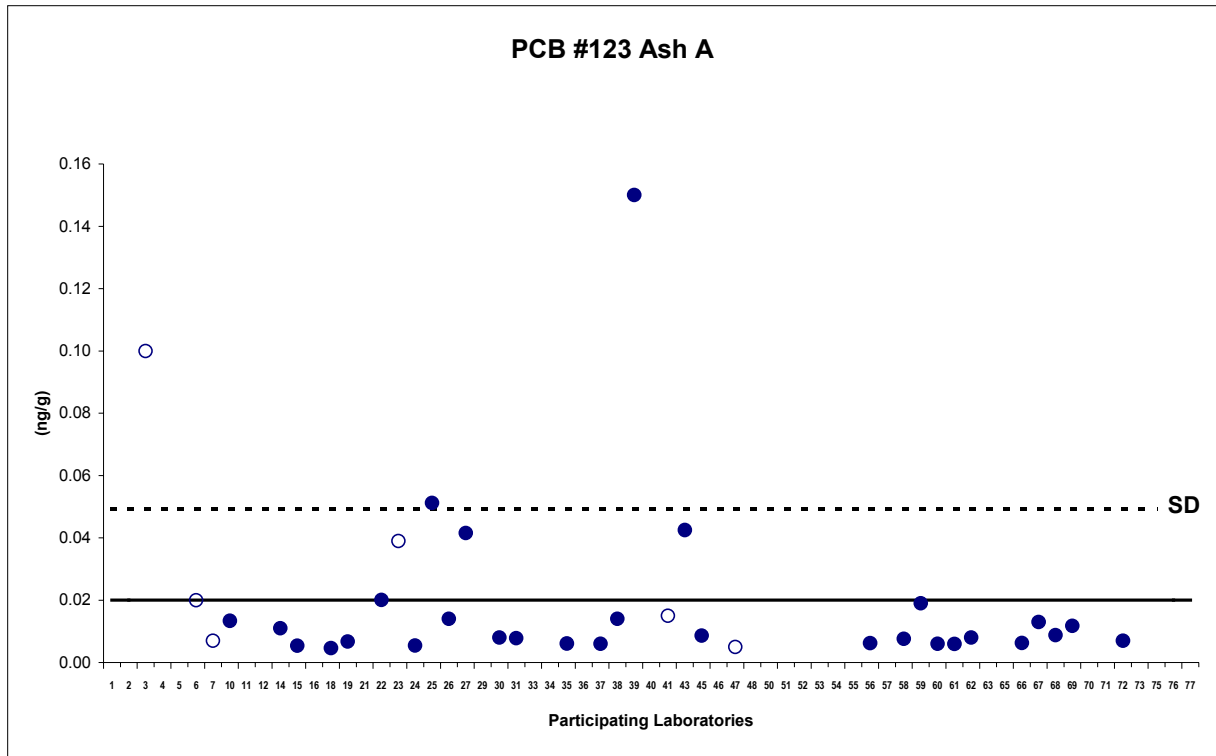


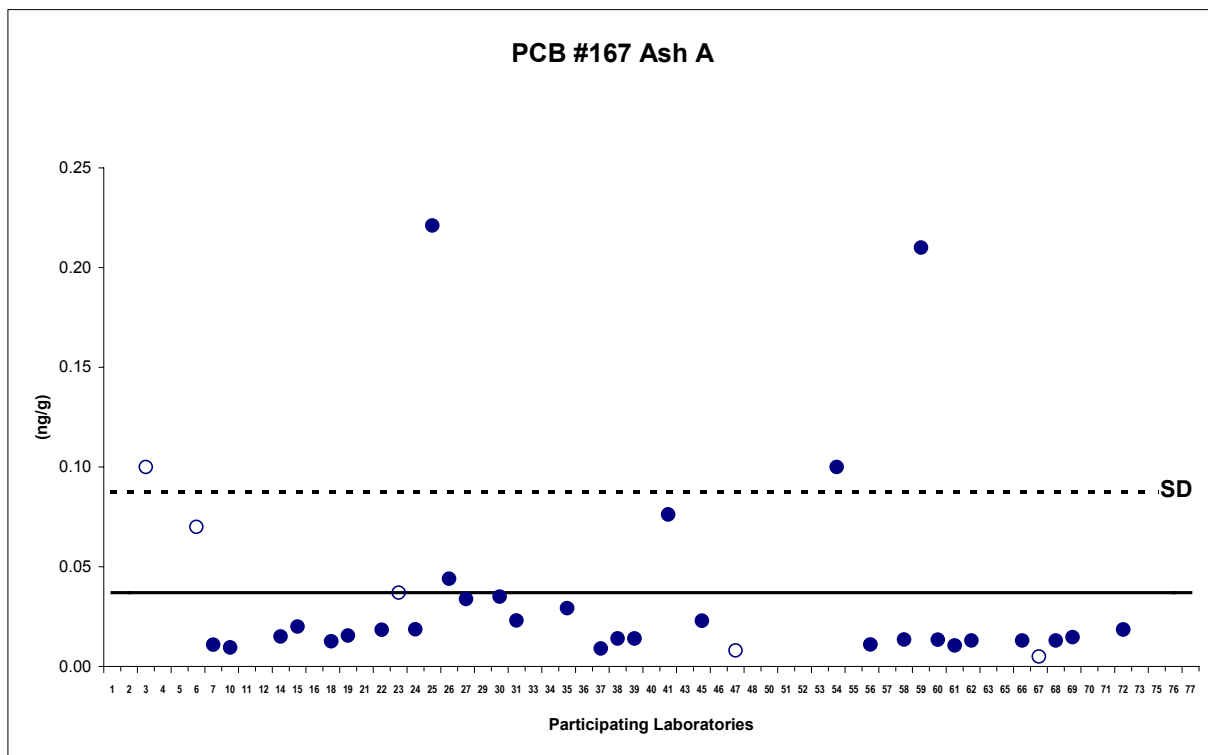
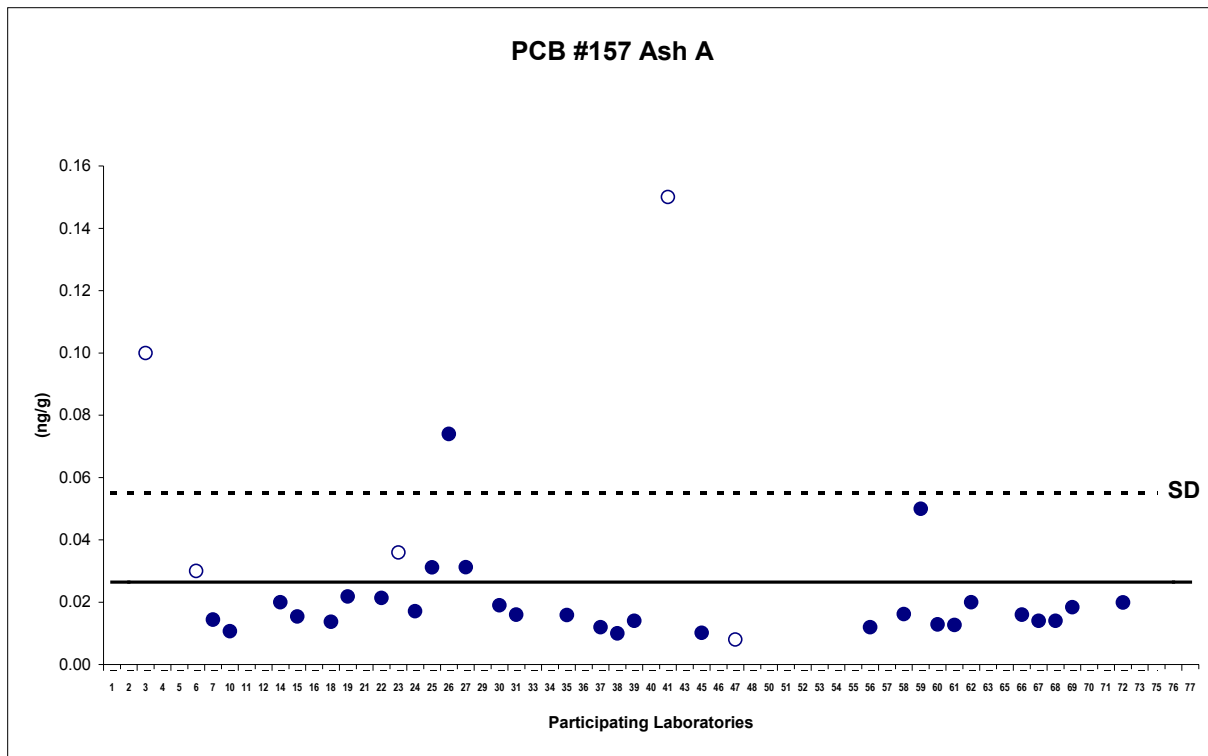




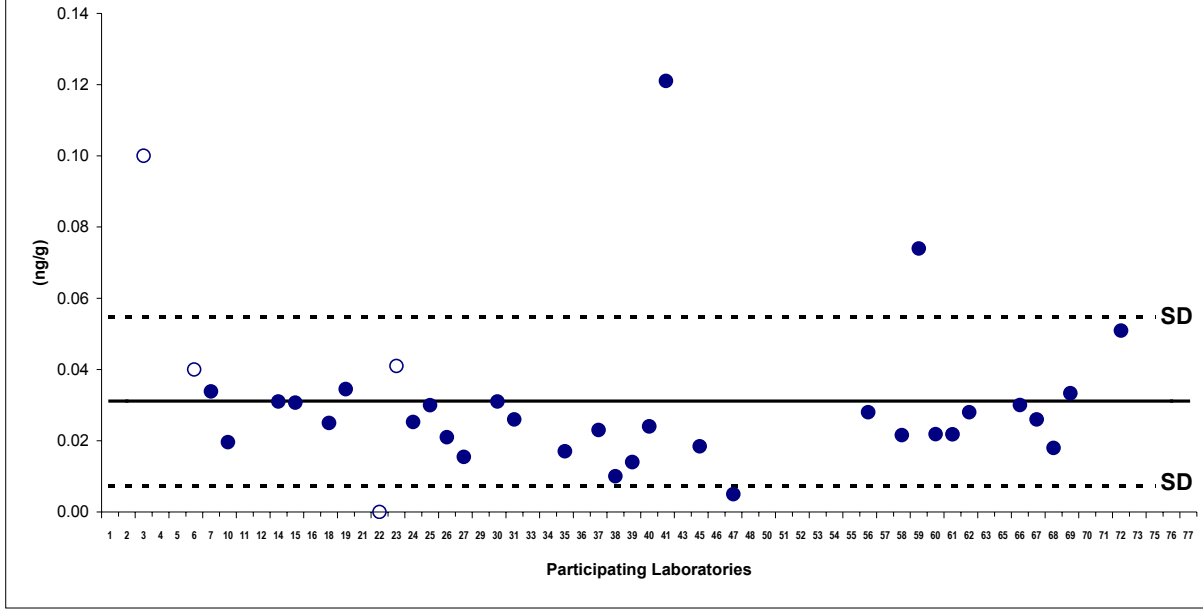








### PCB #189 Ash A



Participant code:	1	2	3	4	5	6	7	10	11	12	14	15	16
Weight Analysed:	2.00	7.27	1.00	10.00	NA	1.00	13.41	5.00	5.23	1.06	2.00	2.01	3.00
2,3,7,8-TeCDD	0.0003	<0.003	0.0002	N.D.	NA	<0.0009	0.0017	<0.0005	<0.001	<0.002	<0.002	0.0007	0.1111
1,2,3,7,8-PeCDD	0.0031	<0.003	0.0010	N.D.	NA	0.0014	0.0050	0.0024	<0.001	<0.002	0.0070	0.0032	0.0006
1,2,3,4,7,8-HxCDD	0.003	0.004	0.001	N.D.	NA	0.001	0.008	0.003	<0.001	0.002	0.005	0.004	0.002
1,2,3,6,7,8-HxCDD	0.009	0.011	0.004	N.D.	NA	0.005	0.029	0.007	0.003	0.006	0.021	0.012	0.003
1,2,3,7,8,9-HxCDD	0.007	0.008	0.003	N.D.	NA	0.004	0.021	0.007	0.001	0.004	0.016	0.009	0.006
1,2,3,4,6,7,8-HpCDD	0.10	0.11	0.05	0.28	NA	0.06	0.41	0.16	0.07	0.10	0.16	0.17	0.01
OCDD	0.27	0.26	0.10	0.86	NA	0.15	1.10	0.34	0.18	0.35	0.47	0.50	0.09
2,3,7,8-TeCDF	0.004	0.003	0.002	0.022	NA	0.002	0.010	0.002	0.015	0.002	0.004	0.004	0.002
1,2,3,7,8-PeCDF	0.007	0.010	0.003	0.015	NA	0.003	0.014	0.006	<0.001	0.004	0.009	0.014	0.003
2,3,4,7,8-PeCDF	0.012	0.009	0.006	0.036	NA	0.005	0.026	0.012	0.003	0.008	0.016	0.012	0.005
1,2,3,4,7,8-HxCDF	0.010	0.019	0.005	0.037	NA	0.004	0.027	0.012	0.010	0.008	0.017	0.018	0.003
1,2,3,6,7,8-HxCDF	0.013	0.016	0.005	0.042	NA	0.008	0.035	0.013	0.004	0.010	0.020	0.021	0.008
1,2,3,7,8,9-HxCDF	0.009	<0.002	0.003	0.023	NA	0.015	0.004	0.001	<0.001	0.005	<0.005	0.003	0.002
2,3,4,6,7,8-HxCDF	0.033	0.038	0.010	0.091	NA	0.001	0.060	0.026	0.012	0.025	0.031	0.031	0.012
1,2,3,4,6,7,8-HpCDF	0.072	0.062	0.027	0.290	NA	0.059	0.197	0.060	0.041	0.067	0.092	0.087	0.002
1,2,3,4,7,8,9-HpCDF	0.017	0.018	0.007	0.055	NA	0.010	0.051	0.016	0.004	0.015	0.021	0.019	0.345
OCDF	0.096	0.087	0.043	0.600	NA	0.060	0.292	0.140	0.089	0.135	0.151	0.160	0.023
<b>TEQ (PCDD/DF)</b>	<b>0.020</b>	<b>0.017</b>	<b>0.008</b>	<b>0.046</b>	<b>NA</b>	<b>0.009</b>	<b>0.046</b>	<b>0.018</b>	<b>0.007</b>	<b>0.015</b>	<b>0.031</b>	<b>0.023</b>	<b>0.122</b>
PCB #77	NA	NA	<0.1	NA	NA	<0.02	0.021	0.007	NA	NA	0.024	0.008	NA
PCB #126	NA	NA	<0.01	NA	NA	<0.02	0.017	0.004	NA	NA	0.011	0.010	NA
PCB #169	NA	NA	<0.01	NA	NA	<0.01	0.013	0.005	NA	NA	<0.010	0.005	NA
<b>TEQ (including PCBs)</b>	<b>NA</b>	<b>NA</b>	<b>0.008</b>	<b>NA</b>	<b>NA</b>	<b>0.010</b>	<b>0.048</b>	<b>0.019</b>	<b>NA</b>	<b>NA</b>	<b>0.031</b>	<b>0.025</b>	<b>NA</b>
Other PCBs (Optional)													
PCB #81	NA	NA	<0.1	NA	NA	0.022	0.011	0.005	NA	NA	<0.010	0.006	NA
PCB #105	NA	NA	<0.1	NA	NA	<0.09	0.017	0.014	NA	NA	0.054	0.007	NA
PCB #114	NA	NA	<0.1	NA	NA	<0.01	0.004	0.002	NA	NA	<0.010	0.003	NA
PCB #118	NA	NA	<0.1	NA	NA	<0.4	0.019	0.055	NA	NA	0.088	0.008	NA
PCB #123	NA	NA	<0.1	NA	NA	<0.02	<0.005	0.005	NA	NA	<0.010	0.001	NA
PCB #156	NA	NA	<0.1	NA	NA	<0.01	0.009	0.008	NA	NA	0.013	0.006	NA
PCB #157	NA	NA	<0.1	NA	NA	<0.006	0.007	0.003	NA	NA	<0.010	0.003	NA
PCB #167	NA	NA	<0.1	NA	NA	<0.02	<0.005	0.002	NA	NA	<0.010	0.003	NA
PCB #189	NA	NA	<0.1	NA	NA	<0.007	0.015	0.004	NA	NA	<0.010	0.007	NA
<b>TEQ Total</b>	<b>NA</b>	<b>NA</b>	<b>0.008</b>	<b>NA</b>	<b>NA</b>	<b>0.009</b>	<b>0.048</b>	<b>0.019</b>	<b>NA</b>	<b>NA</b>	<b>0.031</b>	<b>0.025</b>	<b>NA</b>

\* all values in ng/g  
ND: not detected < than value expected  
NA: not analyzed



Participant code:	18	19	21	22	23	24	25	26	27	29	30	31	33
Weight Analysed:	6.40	NA	NA	2.02	5.00	4.01	1.01	0.50	7.59	0.80	5.00	6.21	5.02
2,3,7,8-TeCDD	0.0011	0.0007	0.0006	0.0014	< 0.008	0.0027	0.0017	0.0022	0.1771	<0.001	0.0030	0.0009	0.0009
1,2,3,7,8-PeCDD	0.0037	0.0029	0.0015	0.0026	< 0.015	0.0025	0.0035	0.0017	0.2645	<0.001	0.0020	0.0035	0.0024
1,2,3,4,7,8-HxCDD	0.007	0.005	0.002	0.003	< 0.020	0.005	0.004	0.006	0.281	0.006	0.009	0.004	0.009
1,2,3,6,7,8-HxCDD	0.017	0.015	0.006	0.010	< 0.021	0.011	0.011	0.012	0.098	0.016	0.018	0.009	0.006
1,2,3,7,8,9-HxCDD	0.012	0.008	0.007	0.006	< 0.018	0.007	0.007	0.008	0.052	0.013	0.012	0.012	0.006
1,2,3,4,6,7,8-HpCDD	0.18	0.15	0.08	0.12	0.14	0.12	0.13	0.13	0.45	0.17	0.18	0.11	0.10
OCDD	0.45	0.52	0.18	0.43	0.36	0.40	0.40	0.43	0.51	0.41	0.44	0.33	0.61
2,3,7,8-TeCDF	0.009	0.006	0.005	0.006	0.007	0.017	0.006	0.004	0.088	0.004	0.005	0.004	0.006
1,2,3,7,8-PeCDF	0.010	0.010	0.005	0.013	0.016	0.008	0.007	0.008	0.107	0.010	0.012	0.006	0.003
2,3,4,7,8-PeCDF	0.014	0.016	0.009	0.010	0.013	0.015	0.018	0.016	0.057	0.014	0.013	0.012	0.029
1,2,3,4,7,8-HxCDF	0.017	0.021	0.021	0.014	0.017	0.017	0.020	0.016	0.217	0.014	0.017	0.031	0.033
1,2,3,6,7,8-HxCDF	0.021	0.021	0.011	0.018	0.016	0.017	0.019	0.019	0.078	0.021	0.018	0.016	0.011
1,2,3,7,8,9-HxCDF	0.003	0.146	0.001	0.025	<0.02	0.004	0.030	0.013	0.025	<0.002	0.005	0.002	0.002
2,3,4,6,7,8-HxCDF	0.040	0.043	0.022	0.001	0.046	0.029	0.002	0.034	0.051	0.037	0.016	0.024	0.016
1,2,3,4,6,7,8-HpCDF	0.106	0.093	0.045	0.100	0.092	0.096	0.092	0.105	0.221	0.095	0.082	0.074	0.081
1,2,3,4,7,8,9-HpCDF	0.025	0.261	0.012	0.019	0.022	0.021	0.021	0.024	0.054	0.023	0.019	0.019	0.017
OCDF	0.182	0.180	0.078	0.097	0.162	0.207	0.199	0.132	0.343	0.167	0.186	0.120	0.162
<b>TEQ (PCDD/DF)</b>	<b>0.028</b>	<b>0.044</b>	<b>0.015</b>	<b>0.021</b>	<b>0.018</b>	<b>0.026</b>	<b>0.027</b>	<b>0.026</b>	<b>0.572</b>	<b>0.021</b>	<b>0.025</b>	<b>0.023</b>	<b>0.030</b>
PCB #77	0.011	0.020	NA	0.025	0.211	NA	0.101	0.049	0.021	NA	0.037	0.007	0.007
PCB #126	0.011	0.017	NA	0.016	0.010	NA	0.005	0.020	0.006	NA	0.007	0.006	0.006
PCB #169	0.006	0.022	NA	0.017	< 0.008	NA	0.003	0.011	0.003	NA	0.004	0.005	0.004
<b>TEQ (including PCBs)</b>	<b>0.029</b>	<b>0.046</b>	<b>NA</b>	<b>0.023</b>	<b>0.019</b>	<b>NA</b>	<b>0.027</b>	<b>0.028</b>	<b>0.572</b>	<b>NA</b>	<b>0.026</b>	<b>0.024</b>	<b>0.030</b>
Other PCBs (Optional)													
PCB #81	0.008	0.009	NA	0.007	0.007	NA	0.008	0.011	0.002	NA	0.006	0.003	NA
PCB #105	0.039	0.007	NA	0.029	0.060	NA	0.487	0.150	0.270	NA	0.088	0.030	NA
PCB #114	0.005	0.004	NA	0.009	<0.006	NA	0.048	0.014	0.028	NA	0.006	0.004	NA
PCB #118	0.111	0.011	NA	0.058	0.088	NA	1.489	0.466	0.545	NA	0.311	0.042	NA
PCB #123	0.008	<0.003	NA	0.006	<0.006	NA	0.052	0.016	0.017	NA	0.007	0.002	NA
PCB #156	0.042	0.006	NA	0.018	0.031	NA	0.061	0.065	0.044	NA	0.045	0.006	NA
PCB #157	0.009	0.006	NA	0.000	0.014	NA	0.017	0.065	0.014	NA	0.007	0.006	NA
PCB #167	0.017	0.005	NA	0.008	0.020	NA	0.132	0.023	0.015	NA	0.019	0.009	NA
PCB #189	0.014	0.012	NA	0.014	0.043	NA	0.011	0.001	0.005	NA	0.009	0.005	NA
<b>TEQ Total</b>	<b>0.029</b>	<b>0.046</b>	<b>NA</b>	<b>0.023</b>	<b>0.019</b>	<b>NA</b>	<b>0.028</b>	<b>0.028</b>	<b>0.572</b>	<b>NA</b>	<b>0.026</b>	<b>0.024</b>	<b>NA</b>

\* all values in ng/g  
ND: not detected < than value expected  
NA: not analyzed

Ash B6

Participant code:	34	35	36	37	38	39	40	41	43	45	46	47	48
Weight Analysed:	3.00	2.00	NA	5.76	1.00	2.00	12.00	3.06	5.02	1.04	NA	10.00	2.52
2,3,7,8-TeCDD	ND	0.0013	ND	0.0015	<0.006	0.0010	0.0020	0.0012	ND	0.0010	NA	0.0004	0.0003
1,2,3,7,8-PeCDD	0.0008	0.0040	0.0020	0.0028	0.0088	0.0020	0.0060	0.0051	0.0100	0.0018	NA	0.0020	0.0010
1,2,3,4,7,8-HxCDD	0.001	0.006	0.003	0.004	0.013	0.005	0.008	0.009	0.010	0.002	NA	0.004	0.002
1,2,3,6,7,8-HxCDD	0.005	0.012	0.010	0.012	0.029	0.011	0.015	0.029	0.020	0.007	NA	0.010	0.005
1,2,3,7,8,9-HxCDD	0.002	0.010	0.007	0.008	0.023	0.009	0.014	0.028	0.010	0.009	NA	0.010	0.006
1,2,3,4,6,7,8-HpCDD	0.04	0.12	0.13	0.17	0.29	0.09	0.20	0.31	0.19	0.11	NA	0.16	0.07
OCDD	0.12	0.39	0.32	0.39	0.57	0.27	0.45	0.90	0.58	0.46	NA	0.38	0.20
2,3,7,8-TeCDF	0.001	0.007	0.004	0.004	0.011	0.008	0.033	0.005	0.010	0.004	NA	0.004	0.014
1,2,3,7,8-PeCDF	0.004	0.010	0.007	0.013	0.029	0.001	0.004	0.010	0.010	0.004	NA	0.005	0.004
2,3,4,7,8-PeCDF	NA	0.014	0.015	0.011	0.026	0.008	0.013	0.023	0.020	0.007	NA	0.010	0.008
1,2,3,4,7,8-HxCDF	0.006	0.014	0.012	0.018	0.057	0.010	0.032	0.024	0.050	0.019	NA	0.030	0.022
1,2,3,6,7,8-HxCDF	0.009	0.019	0.014	0.018	0.050	0.012	0.019	0.046	0.030	0.009	NA	0.010	0.008
1,2,3,7,8,9-HxCDF	0.011	0.003	0.029	0.002	0.019	0.010	0.013	0.077	ND	0.001	NA	0.003	0.001
2,3,4,6,7,8-HxCDF	ND	0.032	0.009	0.028	0.070	0.023	0.034	<0.001	0.050	0.018	NA	0.030	0.019
1,2,3,4,6,7,8-HpCDF	0.035	0.083	0.074	0.100	0.170	0.070	0.088	0.189	0.130	0.055	NA	0.080	0.044
1,2,3,4,7,8,9-HpCDF	0.014	0.025	0.021	0.021	0.050	0.019	0.026	0.045	0.030	0.012	NA	0.020	0.011
OCDF	0.087	0.152	0.129	0.150	0.210	0.130	0.290	0.315	0.230	0.082	NA	0.110	0.088
<b>TEQ (PCDD/DF)</b>	<b>0.005</b>	<b>0.025</b>	<b>0.021</b>	<b>0.023</b>	<b>0.056</b>	<b>0.017</b>	<b>0.036</b>	<b>0.045</b>	<b>0.040</b>	<b>0.016</b>	<b>NA</b>	<b>0.020</b>	<b>0.014</b>
PCB #77	NA	<0.1	NA	0.011	0.030	0.009	0.028	0.032	ND	0.012	NA	<0.004	0.006
PCB #126	0.003	0.007	NA	0.008	0.016	0.004	0.008	0.018	ND	0.008	NA	<0.002	0.005
PCB #169	ND	0.006	NA	0.006	<0.01	0.003	ND	0.022	ND	0.005	NA	0.005	0.003
<b>TEQ (including PCBs)</b>	<b>0.006</b>	<b>0.026</b>	<b>NA</b>	<b>0.024</b>	<b>0.057</b>	<b>0.017</b>	<b>0.037</b>	<b>0.047</b>	<b>0.040</b>	<b>0.016</b>	<b>NA</b>	<b>0.020</b>	<b>0.015</b>
Other PCBs (Optional)													
PCB #81	NA	<0.02	NA	0.007	0.011	0.000	ND	0.015	ND	0.005	NA	<0.005	NA
PCB #105	NA	<0.05	NA	0.008	0.044	0.038	0.040	0.059	0.078	0.013	NA	0.004	NA
PCB #114	NA	<0.01	NA	<0.003	0.011	0.000	ND	0.012	ND	0.003	NA	<0.002	NA
PCB #118	NA	<0.05	NA	0.017	0.082	0.053	0.210	0.123	0.172	0.021	NA	0.007	NA
PCB #123	NA	<0.007	NA	<0.003	<0.01	0.032	ND	<0.01	ND	0.002	NA	<0.001	NA
PCB #156	NA	0.004	NA	0.005	0.013	0.001	0.012	<0.04	ND	0.005	NA	<0.003	NA
PCB #157	NA	0.004	NA	0.003	<0.01	0.000	ND	0.010	ND	0.003	NA	<0.003	NA
PCB #167	NA	<0.01	NA	<0.003	<0.01	0.000	ND	0.024	ND	0.006	NA	<0.003	NA
PCB #189	NA	<0.008	NA	0.006	<0.01	0.004	ND	<0.02	ND	0.005	NA	0.004	NA
<b>TEQ Total</b>	<b>NA</b>	<b>0.026</b>	<b>NA</b>	<b>0.024</b>	<b>0.057</b>	<b>0.017</b>	<b>0.037</b>	<b>0.047</b>	<b>0.040</b>	<b>0.016</b>	<b>NA</b>	<b>0.020</b>	<b>NA</b>

\* all values in ng/g  
ND: not detected < than value expected  
NA: not analyzed

Participant code:	50	51	52	53	54	55	56	57	58	59	60	61	62
Weight Analysed:	1.00	5.06	0.50	0.51	5.19	NA	5.04	NA	5.40	15.12	3.00	5.00	1.87
2,3,7,8-TeCDD	N.D	0.0008	0.0056	0.0012	0.0004	NA	0.0014	0.0014	0.0033	0.0740	0.0007	0.0009	0.0007
1,2,3,7,8-PeCDD	N.D	0.0021	0.0186	0.0104	ND	NA	0.0061	0.0042	0.0034	0.0053	0.0026	0.0022	0.0077
1,2,3,4,7,8-HxCDD	N.D	0.003	0.023	0.022	0.007	NA	0.009	0.006	0.006	0.011	0.005	0.003	0.007
1,2,3,6,7,8-HxCDD	N.D	0.008	0.028	0.053	0.015	NA	0.021	0.013	0.018	0.028	0.015	0.009	0.015
1,2,3,7,8,9-HxCDD	N.D	0.004	0.027	0.025	0.009	NA	0.011	0.010	0.012	0.019	0.009	0.006	0.007
1,2,3,4,6,7,8-HpCDD	0.08	0.08	0.15	0.20	0.21	NA	0.30	0.14	0.13	0.43	0.15	0.10	0.11
OCDD	0.42	0.21	0.55	1.48	0.52	NA	0.80	0.39	0.40	4.60	0.50	0.28	0.28
2,3,7,8-TeCDF	0.012	0.002	0.014	0.010	0.007	NA	0.009	0.004	0.008	0.047	0.004	0.004	0.004
1,2,3,7,8-PeCDF	0.023	0.005	0.007	0.024	0.012	NA	0.020	0.009	0.007	0.057	0.007	0.006	0.015
2,3,4,7,8-PeCDF	0.038	0.008	0.010	0.041	0.021	NA	0.013	0.016	0.012	0.045	0.011	0.011	0.013
1,2,3,4,7,8-HxCDF	0.017	0.007	0.028	0.053	0.024	NA	0.023	0.015	0.011	0.240	0.014	0.010	0.017
1,2,3,6,7,8-HxCDF	0.018	0.009	0.030	0.064	0.027	NA	0.028	0.019	0.022	0.091	0.018	0.014	0.016
1,2,3,7,8,9-HxCDF	0.030	0.008	0.020	0.108	0.004	NA	0.017	0.035	0.006	0.008	0.002	0.002	0.003
2,3,4,6,7,8-HxCDF	0.013	0.021	0.035	0.034	0.039	NA	0.041	0.015	0.035	0.050	0.030	0.028	0.030
1,2,3,4,6,7,8-HpCDF	0.069	0.051	0.096	0.189	0.130	NA	0.150	0.093	0.099	1.100	0.084	0.068	0.084
1,2,3,4,7,8,9-HpCDF	0.023	0.014	0.022	0.066	0.031	NA	0.026	0.025	0.023	0.110	0.021	0.018	0.021
OCDF	0.141	0.094	0.282	0.358	0.390	NA	0.190	0.131	0.157	5.200	0.147	0.119	0.160
<b>TEQ (PCDD/DF)</b>	<b>0.031</b>	<b>0.015</b>	<b>0.053</b>	<b>0.075</b>	<b>0.028</b>	<b>0.040</b>	<b>0.036</b>	<b>0.028</b>	<b>0.027</b>	<b>0.171</b>	<b>0.021</b>	<b>0.018</b>	<b>0.027</b>
PCB #77	NA	0.009	0.379	NA	0.012	NA	0.008	NA	0.026	6.300	0.014	0.007	0.015
PCB #126	NA	0.007	0.010	NA	0.014	NA	0.017	NA	0.009	0.200	0.010	0.006	0.011
PCB #169	NA	0.003	0.005	NA	0.002	NA	0.008	NA	0.016	0.023	0.007	0.004	0.007
<b>TEQ (including PCBs)</b>	<b>NA</b>	<b>0.016</b>	<b>0.054</b>	<b>NA</b>	<b>0.030</b>	<b>0.040</b>	<b>0.038</b>	<b>NA</b>	<b>0.028</b>	<b>0.192</b>	<b>0.022</b>	<b>0.018</b>	<b>0.028</b>
Other PCBs (Optional)													
PCB #81	NA	NA	NA	NA	ND	NA	0.010	NA	0.091	0.150	0.008	0.005	0.006
PCB #105	NA	NA	NA	NA	ND	NA	0.004	NA	0.019	19.000	0.030	0.009	0.026
PCB #114	NA	NA	NA	NA	ND	NA	0.005	NA	0.006	0.460	0.004	0.002	0.005
PCB #118	NA	NA	NA	NA	0.110	NA	0.006	NA	0.137	45.000	0.080	0.015	0.084
PCB #123	NA	NA	NA	NA	NA	NA	0.002	NA	0.003	0.710	0.002	0.001	0.004
PCB #156	NA	NA	NA	NA	0.068	NA	0.009	NA	0.030	8.200	0.018	0.006	0.015
PCB #157	NA	NA	NA	NA	ND	NA	0.007	NA	0.007	1.500	0.006	0.004	0.005
PCB #167	NA	NA	NA	NA	0.081	NA	0.004	NA	0.013	4.400	0.007	0.002	0.006
PCB #189	NA	NA	NA	NA	ND	NA	0.009	NA	0.010	1.300	0.008	0.005	0.006
<b>TEQ Total</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>0.030</b>	<b>0.040</b>	<b>0.037</b>	<b>NA</b>	<b>0.028</b>	<b>0.204</b>	<b>0.022</b>	<b>0.018</b>	<b>0.028</b>
* all values in ng/g													
ND: not detected < than value expected													
NA: not analyzed													
Ash B6													

Participant code:	63	65	66	67	68	69	70	71	72	73	75	76	77
Weight Analysed:	2.54	7.09	1.00	5.00	2.00	5.04	1.16	5.08	12.52	3.88	5.00	2.11	
2,3,7,8-TeCDD	0.0004	0.0015	0.0006	0.0021	0.0011	0.0008	0.0016	0.0060	ND	0.0006	ND	0.0008	
1,2,3,7,8-PeCDD	0.0002	0.0040	0.0023	0.0022	0.0038	0.0041	0.0022	0.0021	0.0026	0.0028	0.0020	0.0004	
1,2,3,4,7,8-HxCDD	0.000	0.007	0.002	0.004	0.006	0.004	0.003	0.003	0.004	0.005	0.002	0.004	
1,2,3,6,7,8-HxCDD	0.010	0.023	0.008	0.013	0.017	0.012	0.010	0.010	0.009	0.017	0.003	0.012	
1,2,3,7,8,9-HxCDD	0.007	0.015	0.005	0.009	0.012	0.009	0.002	0.007	0.006	0.010	0.002	0.009	
1,2,3,4,6,7,8-HpCDD	0.11	0.26	0.10	0.15	0.21	0.12	0.11	0.13	0.15	0.19	0.11	0.14	
OCDD	0.28	0.76	0.28	0.40	0.51	0.34	0.36	0.37	0.44	0.66	0.51	0.30	
2,3,7,8-TeCDF	0.003	0.006	0.004	0.005	0.006	0.005	0.003	0.004	0.006	0.005	0.001	0.006	
1,2,3,7,8-PeCDF	0.007	0.017	0.005	0.014	0.010	0.007	0.003	0.007	0.007	0.013	0.002	0.008	
2,3,4,7,8-PeCDF	0.011	0.017	0.011	0.011	0.019	0.010	0.008	0.013	0.010	0.013	0.002	0.015	
1,2,3,4,7,8-HxCDF	0.012	0.021	0.012	0.018	0.025	0.014	0.009	0.012	0.014	0.020	0.011	0.016	
1,2,3,6,7,8-HxCDF	0.016	0.025	0.011	0.018	0.024	0.016	0.013	0.016	0.018	0.020	0.009	0.018	
1,2,3,7,8,9-HxCDF	0.028	0.004	<0.001	0.003	0.002	0.002	0.003	0.004	0.002	0.004	0.022	0.007	
2,3,4,6,7,8-HxCDF	0.008	0.045	0.021	0.028	0.039	0.029	0.041	0.032	0.029	0.039	0.010	0.032	
1,2,3,4,6,7,8-HpCDF	0.075	0.140	0.057	0.087	0.099	0.078	0.074	0.085	0.099	0.102	0.077	0.084	
1,2,3,4,7,8,9-HpCDF	0.019	0.034	0.016	0.022	0.024	0.021	0.016	0.022	0.019	0.022	0.014	0.022	
OCDF	0.130	0.230	0.146	0.150	0.192	0.136	0.203	0.162	0.173	0.196	0.228	0.176	
<b>TEQ (PCDD/DF)</b>	<b>0.016</b>	<b>0.034</b>	<b>0.017</b>	<b>0.023</b>	<b>0.031</b>	<b>0.022</b>	<b>0.019</b>	<b>0.027</b>	<b>0.020</b>	<b>0.026</b>	<b>0.011</b>	<b>0.022</b>	
PCB #77	NA	0.016	0.019	0.021	0.012	NA	NA	0.021	0.019	0.020	ND	NA	
PCB #126	NA	0.014	0.008	0.013	0.013	NA	NA	0.007	0.010	0.008	ND	NA	
PCB #169	NA	0.008	0.005	0.006	0.009	NA	NA	0.006	0.007	0.006	NA	NA	
<b>TEQ (including PCBs)</b>	<b>NA</b>	<b>0.035</b>	<b>0.017</b>	<b>0.024</b>	<b>0.033</b>	<b>NA</b>	<b>NA</b>	<b>0.027</b>	<b>0.021</b>	<b>0.027</b>	<b>0.011</b>	<b>NA</b>	
Other PCBs (Optional)													
PCB #81	NA	0.009	0.009	0.007	0.009	NA	NA	0.006	NA	NA	NA	NA	
PCB #105	NA	0.011	0.042	0.027	0.017	NA	NA	0.005	NA	NA	NA	NA	
PCB #114	NA	0.005	0.019	0.005	0.004	NA	NA	0.003	NA	NA	NA	NA	
PCB #118	NA	0.014	0.130	0.078	0.040	NA	NA	0.011	NA	NA	NA	NA	
PCB #123	NA	0.001	0.007	0.004	0.005	NA	NA	0.002	NA	NA	NA	NA	
PCB #156	NA	0.008	0.029	0.012	0.008	NA	NA	0.007	NA	NA	NA	NA	
PCB #157	NA	0.006	0.008	0.006	0.006	NA	NA	0.004	NA	NA	NA	NA	
PCB #167	NA	0.003	0.015	0.008	0.004	NA	NA	0.003	NA	NA	NA	NA	
PCB #189	NA	0.009	0.008	0.009	0.009	NA	NA	0.010	NA	NA	NA	NA	
<b>TEQ Total</b>	<b>NA</b>	<b>0.035</b>	<b>0.017</b>	<b>0.024</b>	<b>0.033</b>	<b>NA</b>	<b>NA</b>	<b>0.027</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	

\* all values in ng/g  
ND: not detected < than value expected  
NA: not analyzed

Ash B6

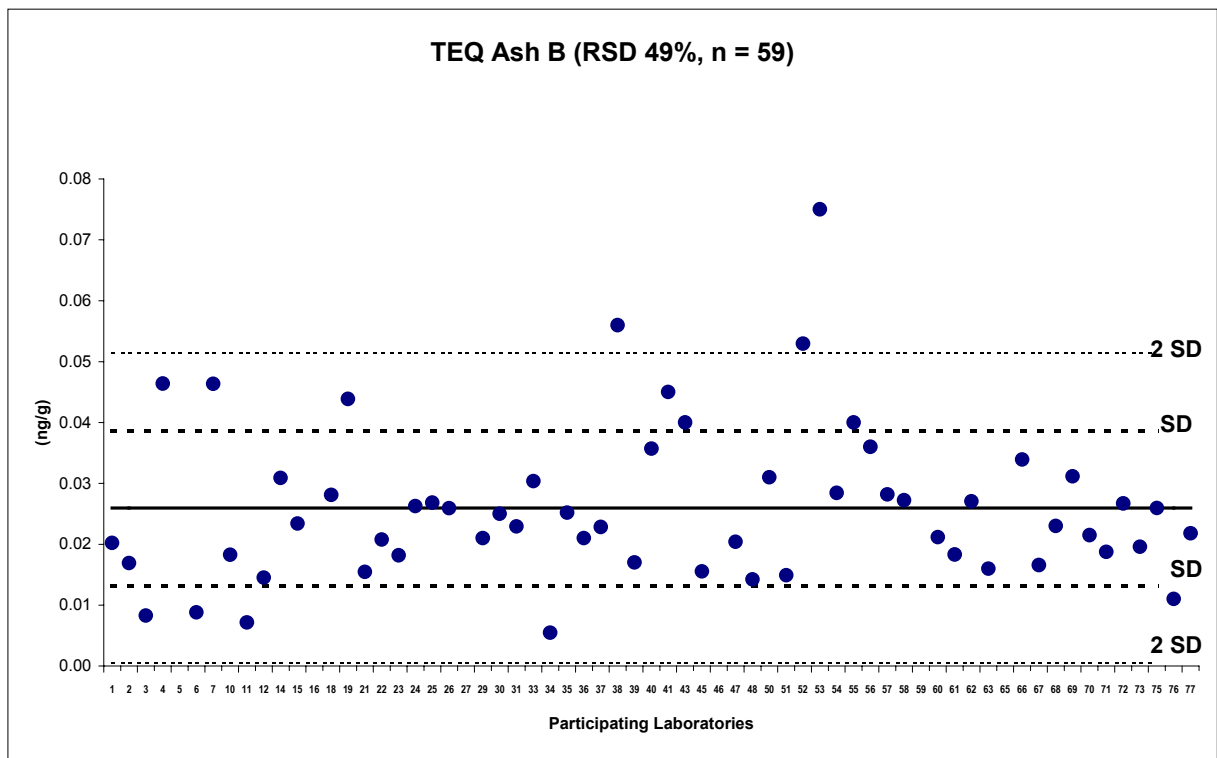
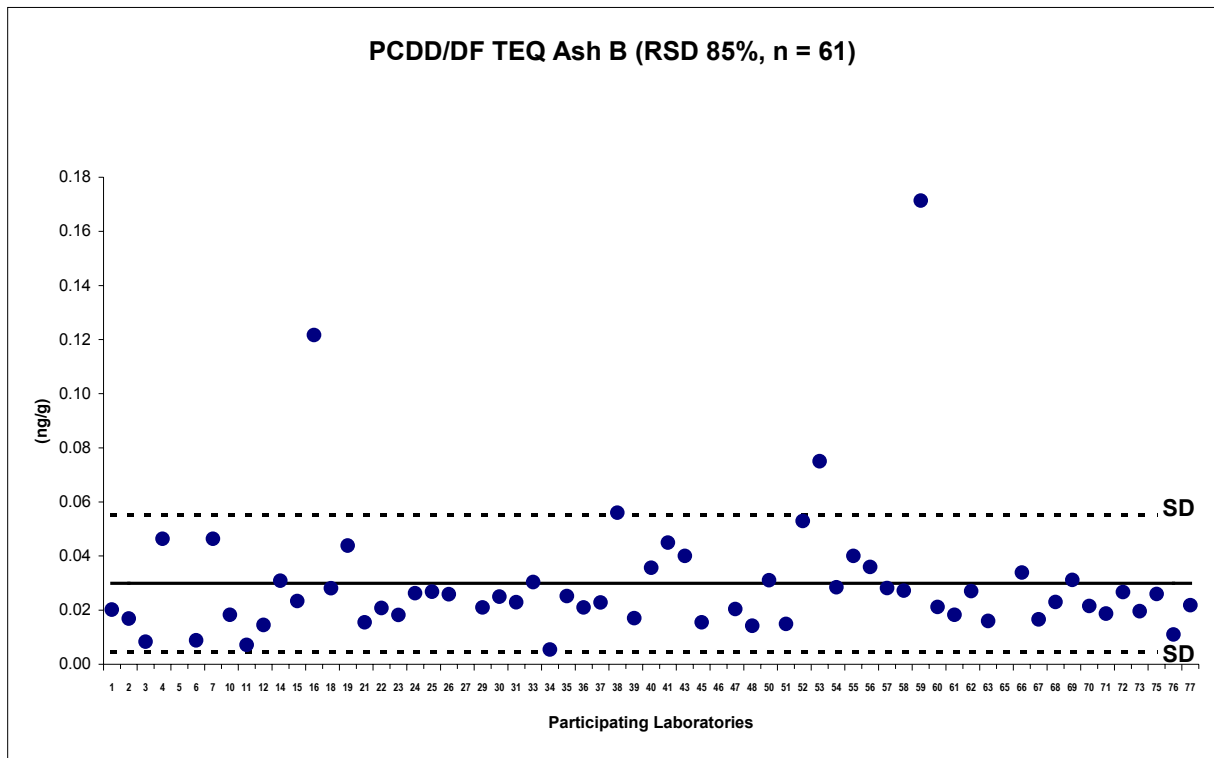
Participant code:						
Weight Analysed:						
	Average	Median	Min	Max	SD	%RSD
2,3,7,8-TeCDD	0.0094	0.0011	0.0002	0.177	0.032	343%
1,2,3,7,8-PeCDD	0.0085	0.0026	0.0002	0.26	0.04	422%
1,2,3,4,7,8-HxCDD	0.010	0.004	0.000	0.28	0.04	356%
1,2,3,6,7,8-HxCDD	0.015	0.012	0.003	0.10	0.01	94%
1,2,3,7,8,9-HxCDD	0.010	0.009	0.001	0.05	0.01	78%
1,2,3,4,6,7,8-HpCDD	0.15	0.13	0.01	0.45	0.09	56%
OCDD	0.50	0.40	0.09	4.60	0.58	115%
2,3,7,8-TeCDF	0.009	0.005	0.001	0.09	0.01	149%
1,2,3,7,8-PeCDF	0.012	0.008	0.001	0.11	0.02	130%
2,3,4,7,8-PeCDF	0.015	0.013	0.002	0.06	0.01	67%
1,2,3,4,7,8-HxCDF	0.026	0.017	0.003	0.24	0.04	153%
1,2,3,6,7,8-HxCDF	0.021	0.018	0.004	0.09	0.02	76%
1,2,3,7,8,9-HxCDF	0.015	0.004	0.001	0.15	0.03	173%
2,3,4,6,7,8-HxCDF	0.030	0.030	0.001	0.09	0.02	54%
1,2,3,4,6,7,8-HpCDF	0.110	0.085	0.002	1.10	0.14	125%
1,2,3,4,7,8,9-HpCDF	0.034	0.021	0.004	0.35	0.05	158%
OCDF	0.255	0.157	0.023	5.20	0.65	255%
<b>TEQ (PCDD/DF)</b>	<b>0.039</b>	<b>0.024</b>	<b>0.005</b>	<b>0.57</b>	<b>0.07</b>	<b>190%</b>
PCB #77	0.205	0.019	0.006	6.30	1.03	504%
PCB #126	0.015	0.010	0.003	0.20	0.03	206%
PCB #169	0.008	0.006	0.002	0.02	0.01	76%
<b>TEQ (including PCBs)</b>	<b>0.043</b>	<b>0.027</b>	<b>0.006</b>	<b>0.57</b>	<b>0.09</b>	<b>198%</b>
Other PCBs (Optional)						
PCB #81	0.016	0.008	0.000	0.15	0.03	194%
PCB #105	0.648	0.029	0.004	19.00	3.35	517%
PCB #114	0.026	0.005	0.000	0.46	0.09	346%
PCB #118	1.505	0.080	0.006	45.00	7.81	519%
PCB #123	0.040	0.005	0.001	0.71	0.15	371%
PCB #156	0.284	0.012	0.001	8.20	1.47	517%
PCB #157	0.062	0.006	0.000	1.50	0.28	457%
PCB #167	0.186	0.008	0.000	4.40	0.86	463%
PCB #189	0.057	0.009	0.001	1.30	0.25	435%
<b>TEQ Total</b>	<b>0.048</b>	<b>0.028</b>	<b>0.008</b>	<b>0.57</b>	<b>0.09</b>	<b>197%</b>

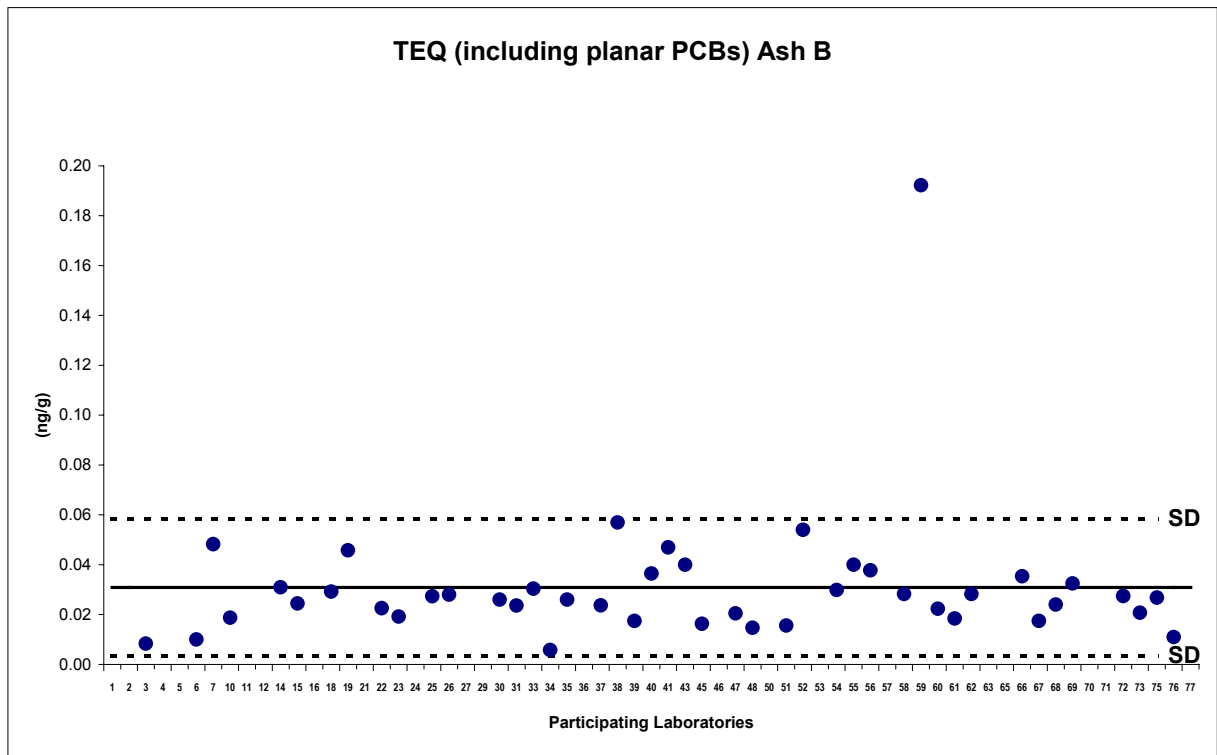
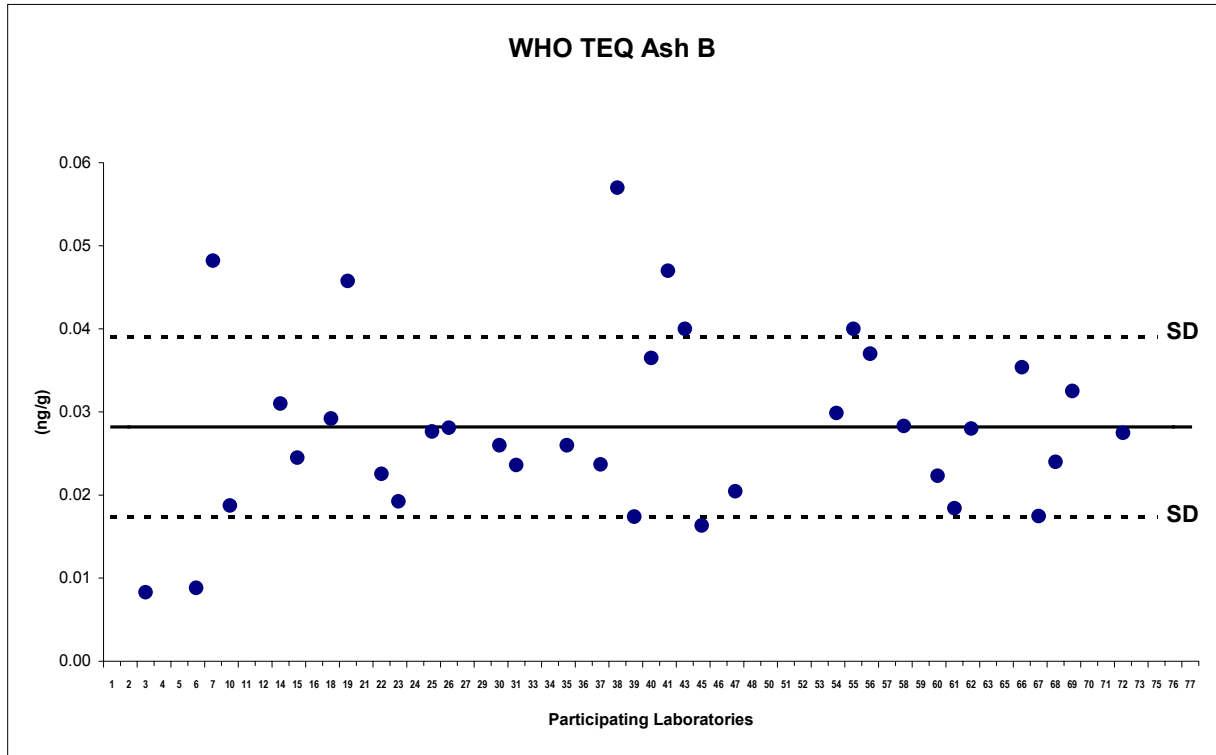
\* all values in ng/g

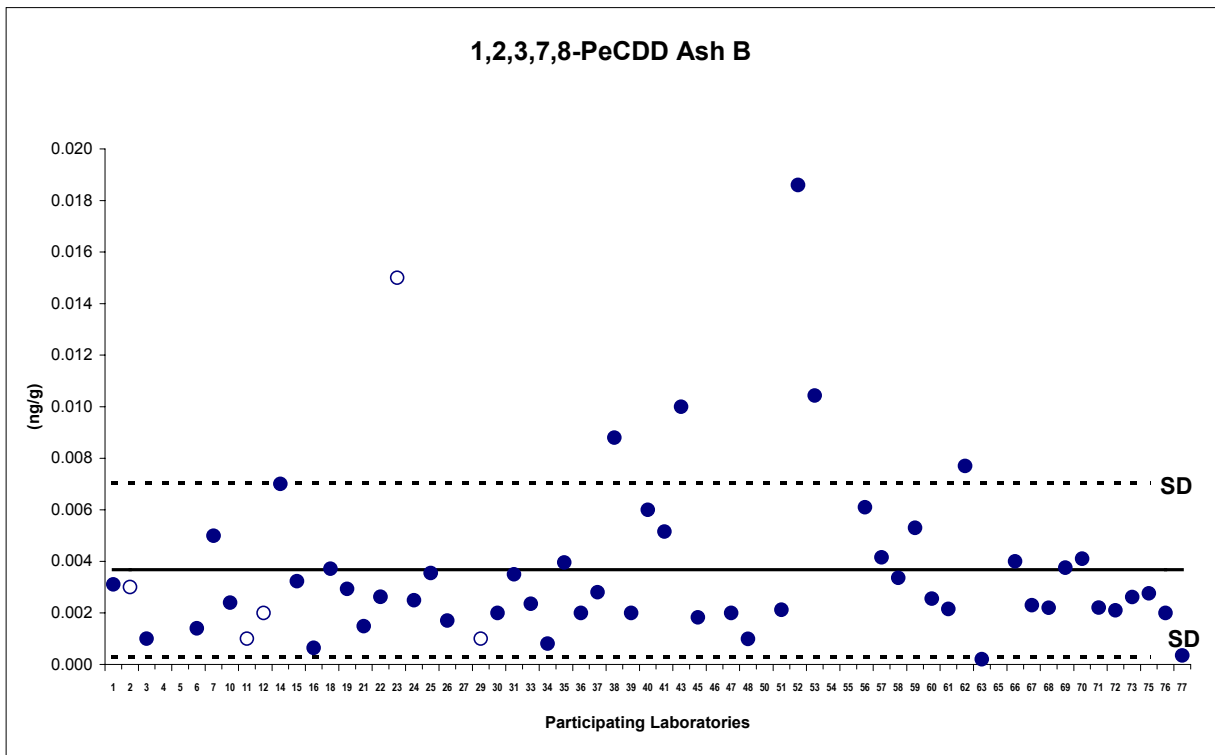
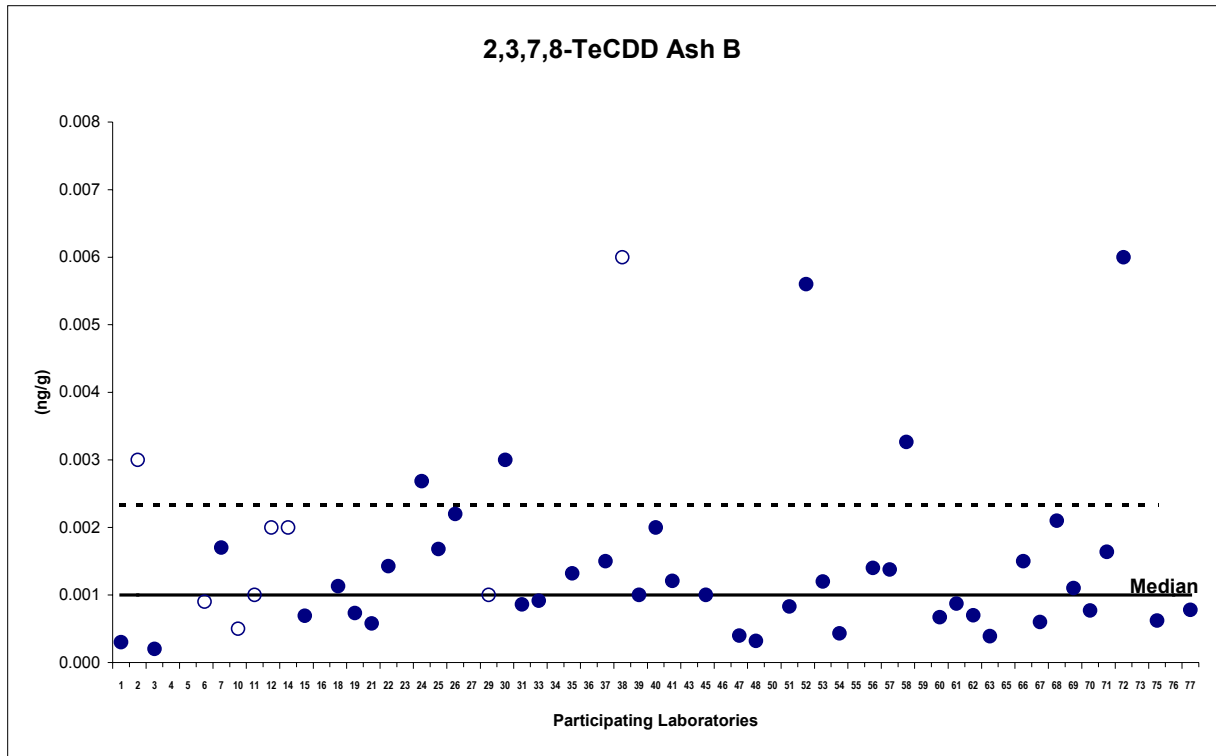
ND: not detected < than value expected

NA: not analyzed

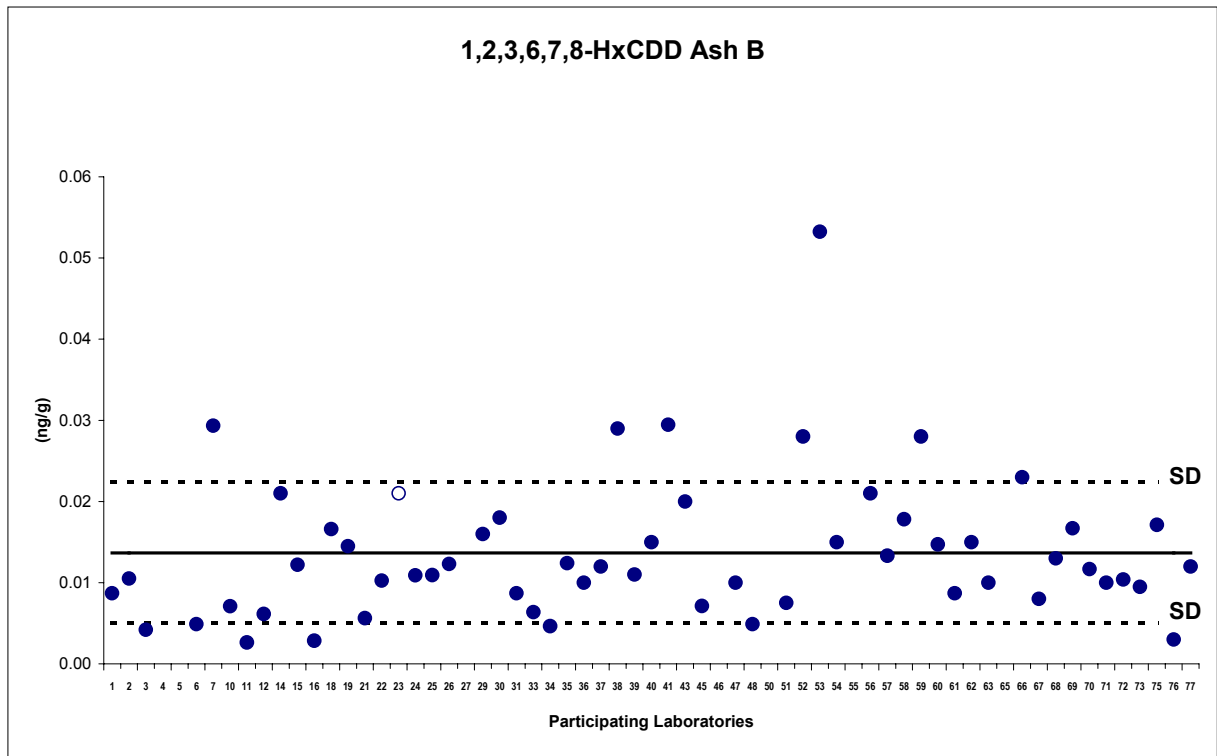
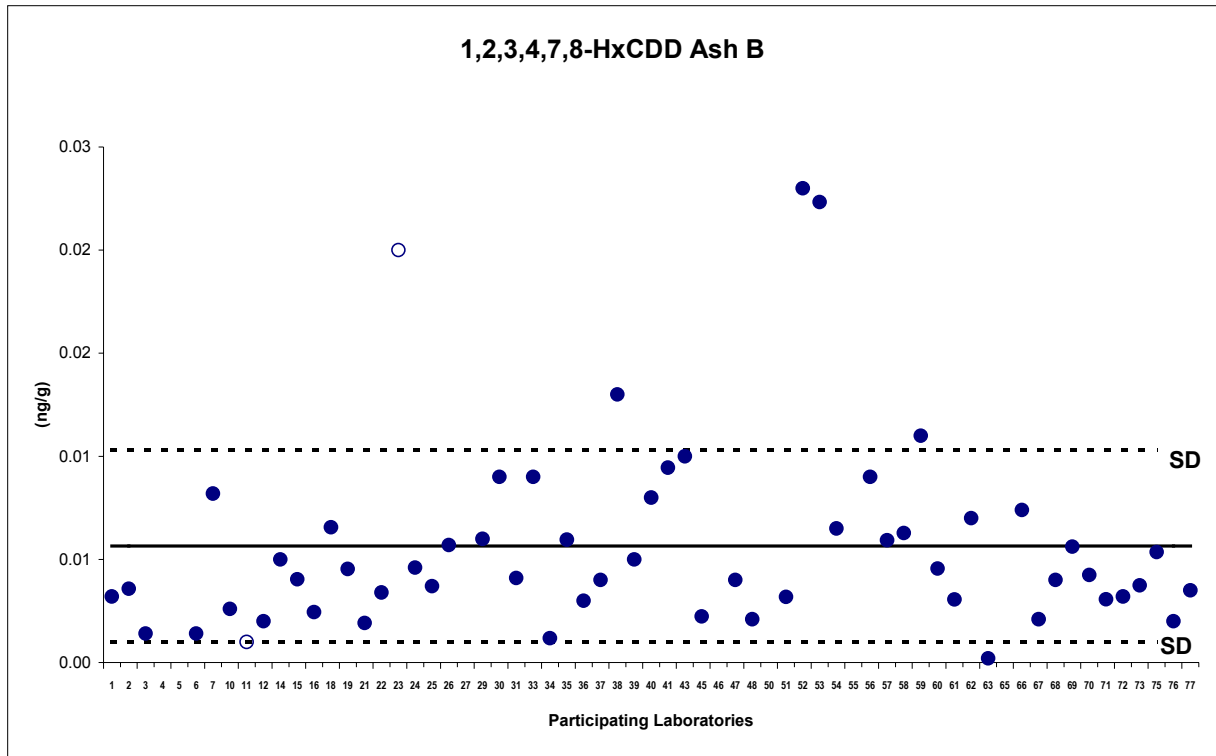
Ash B6

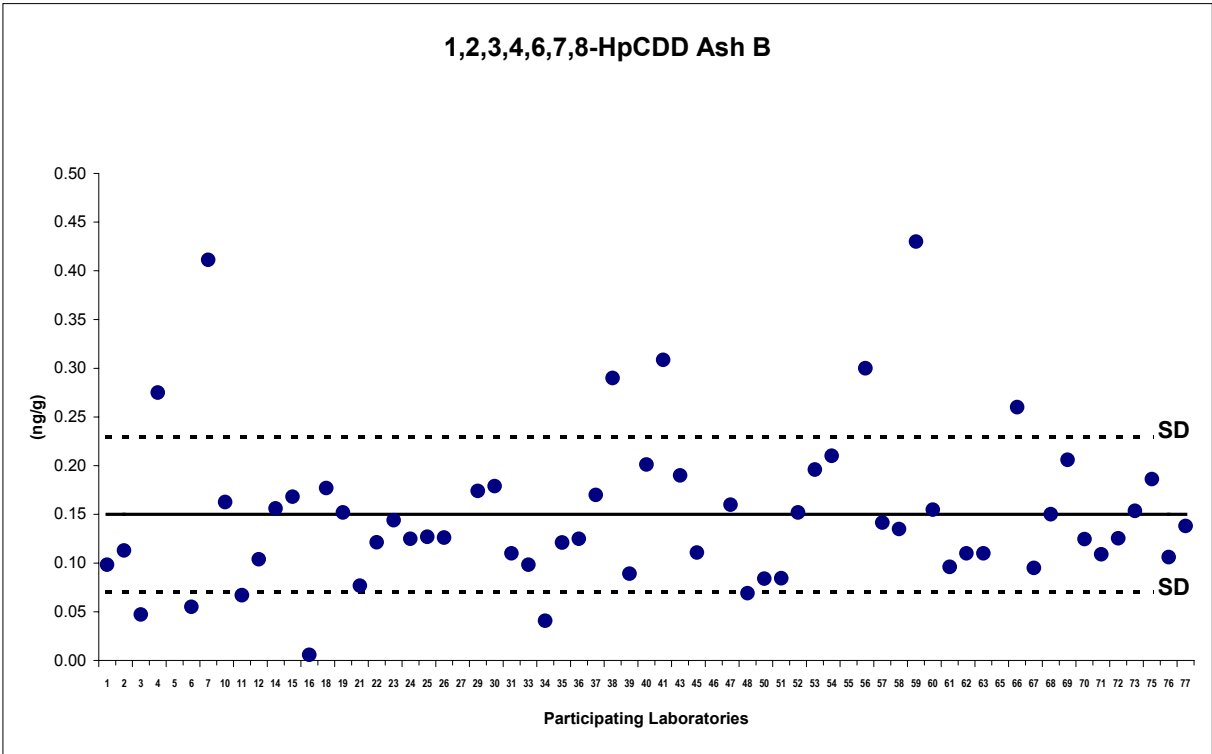
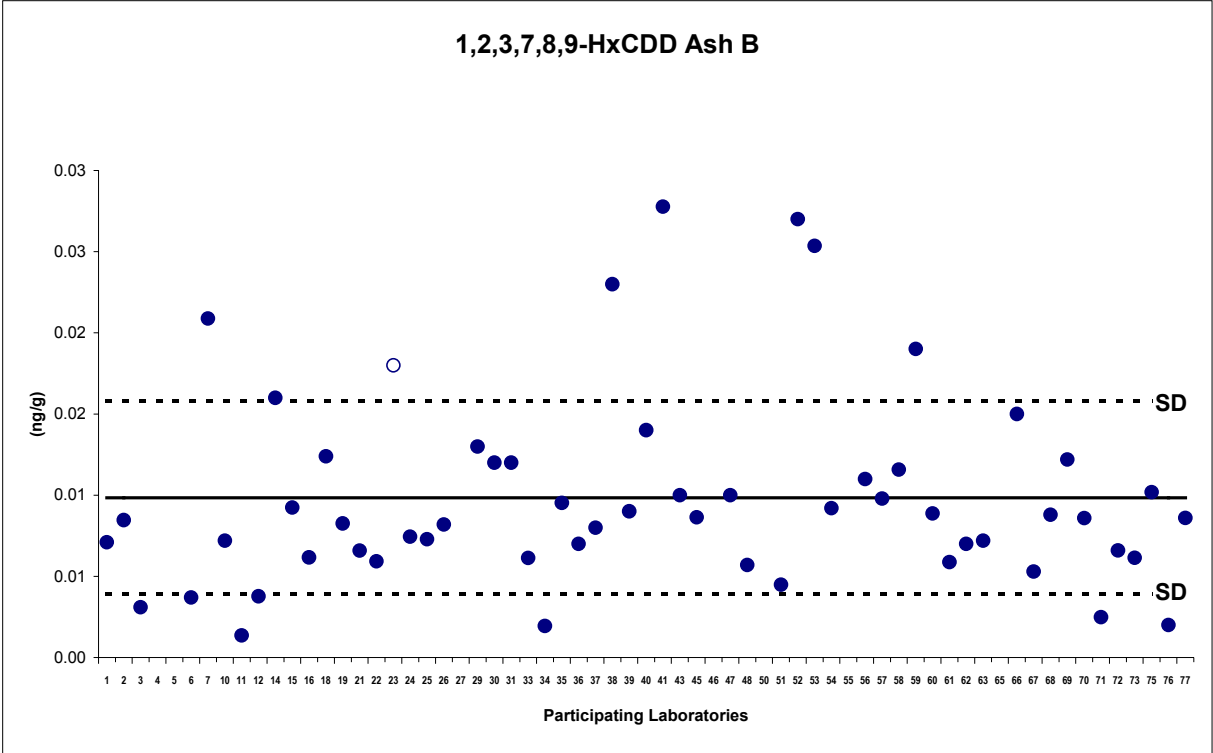


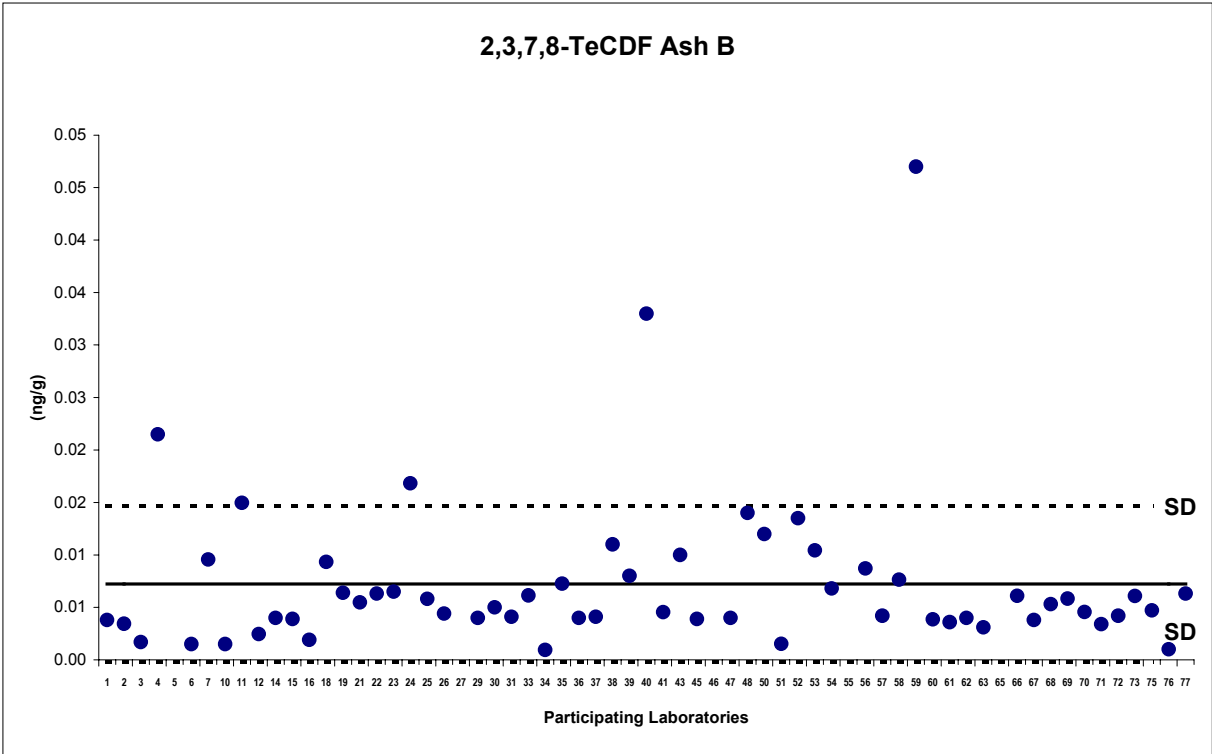
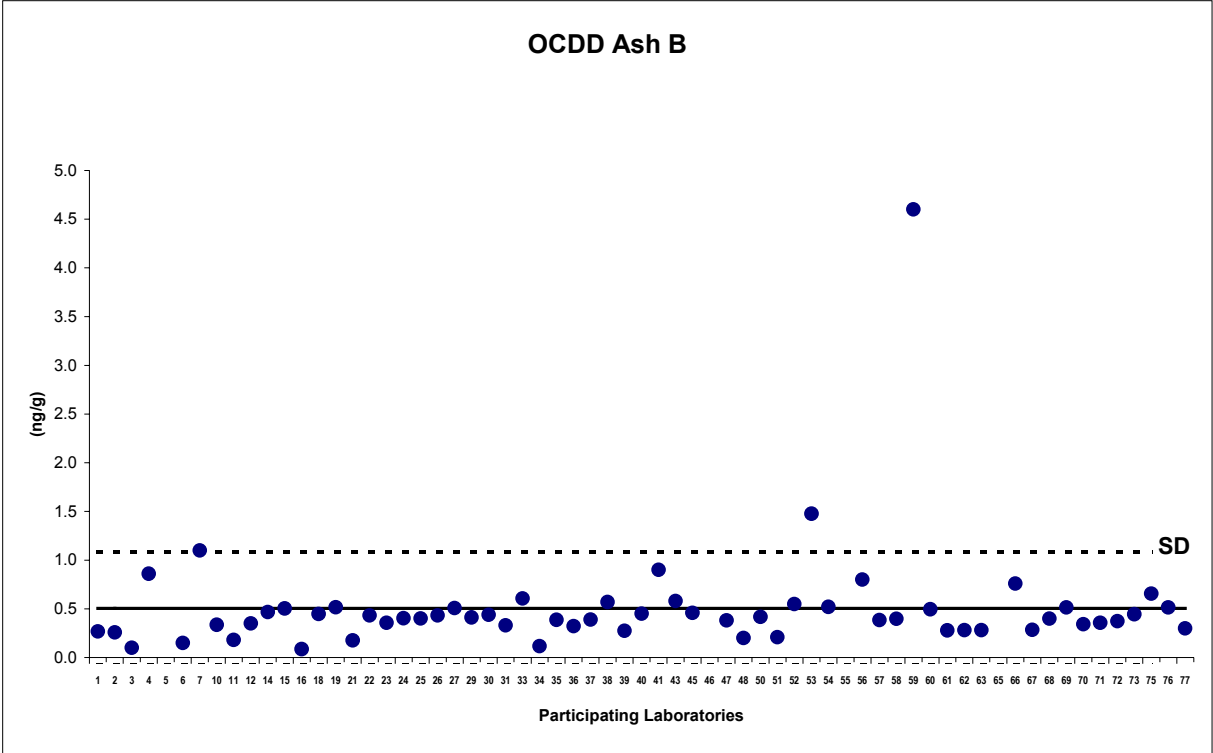


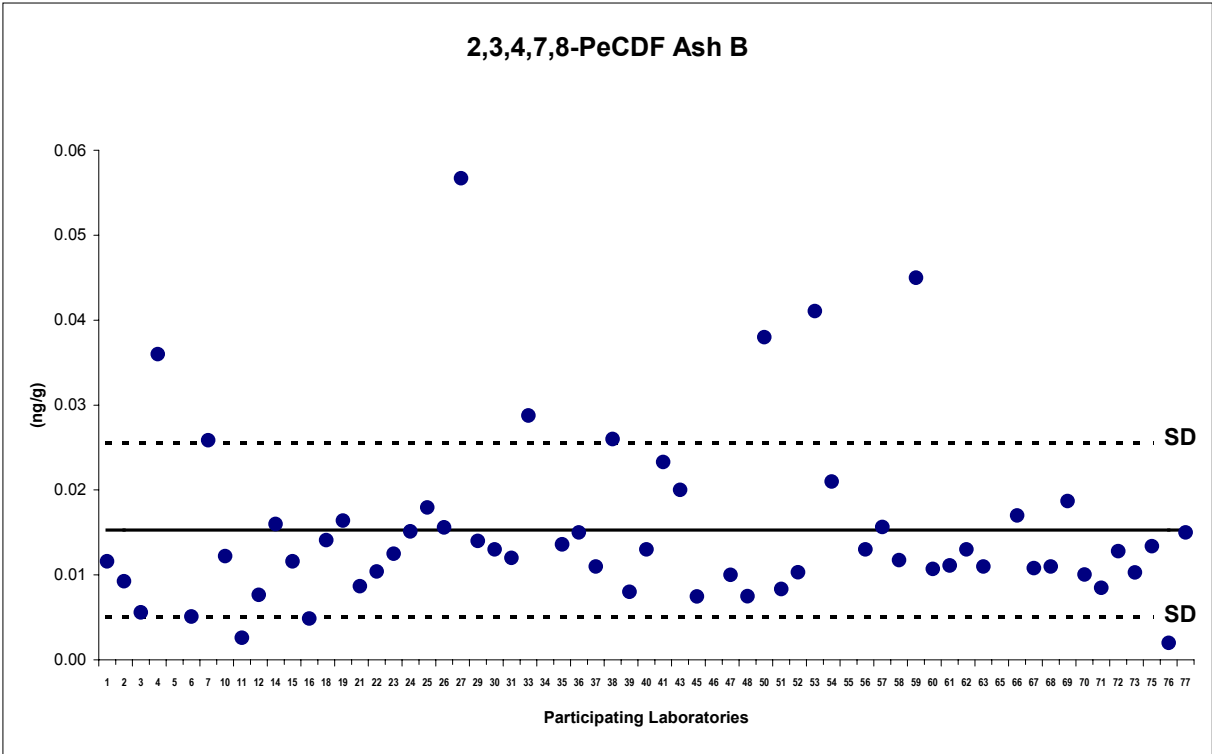
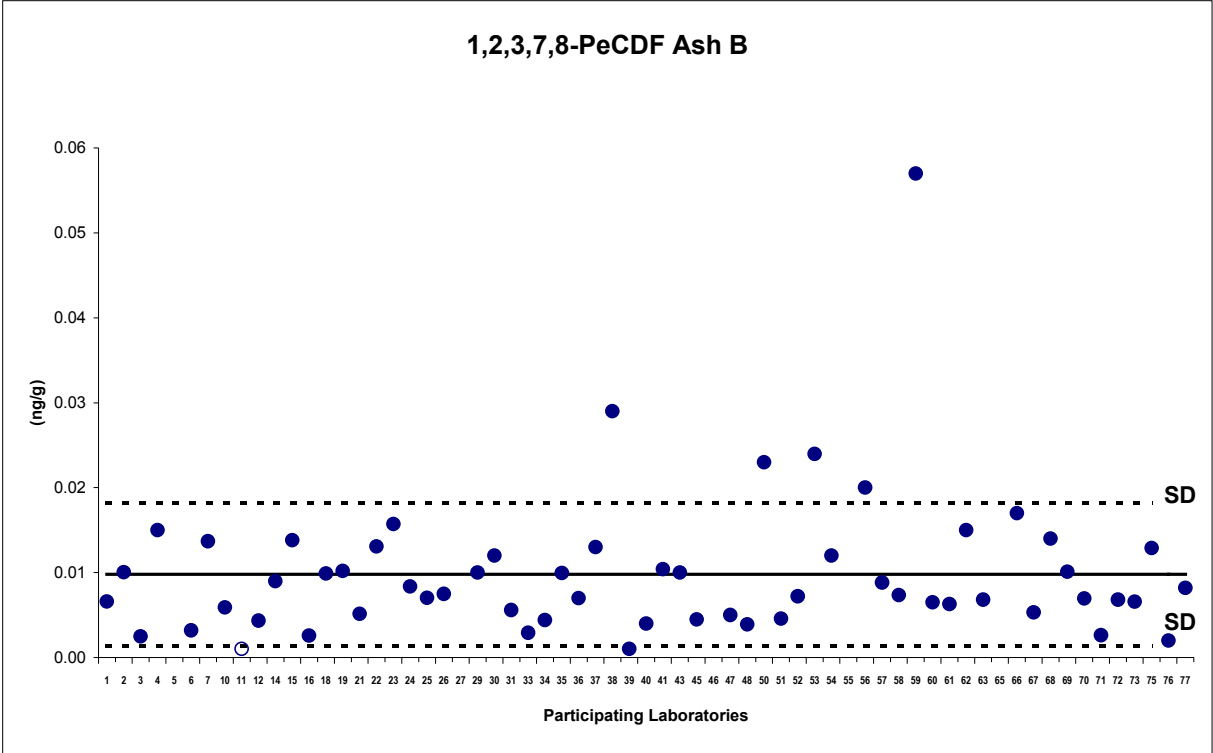


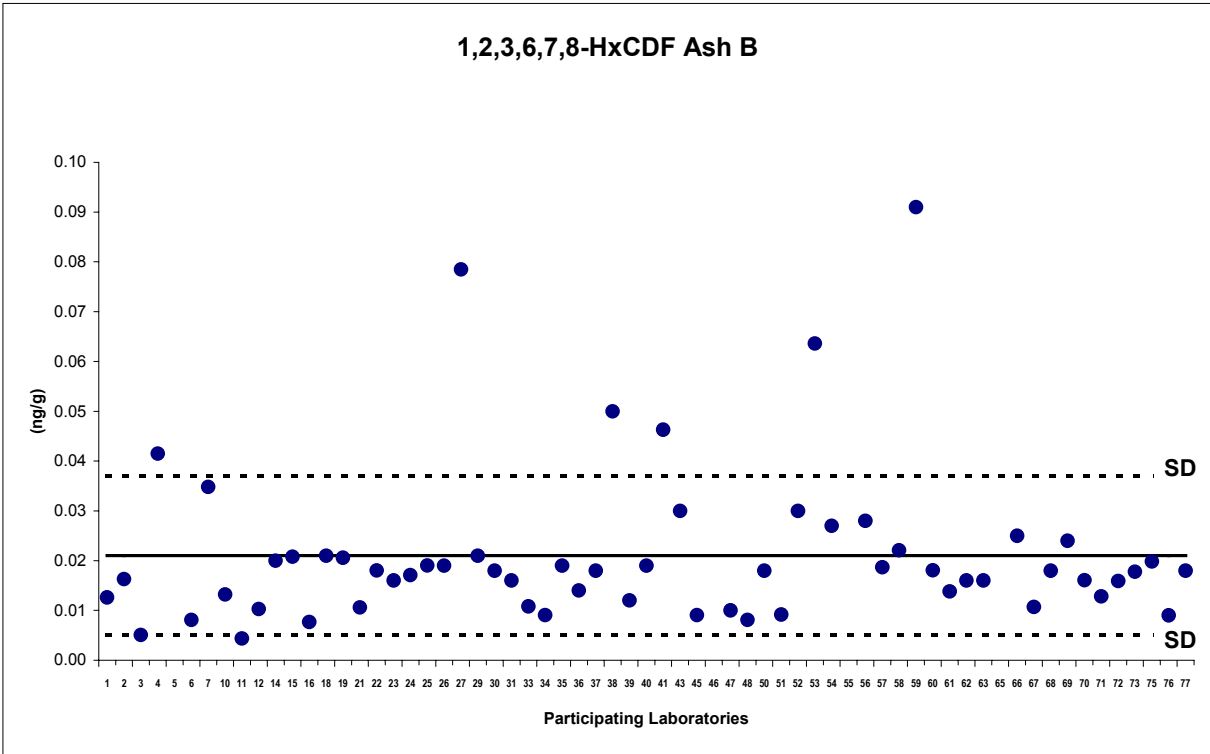
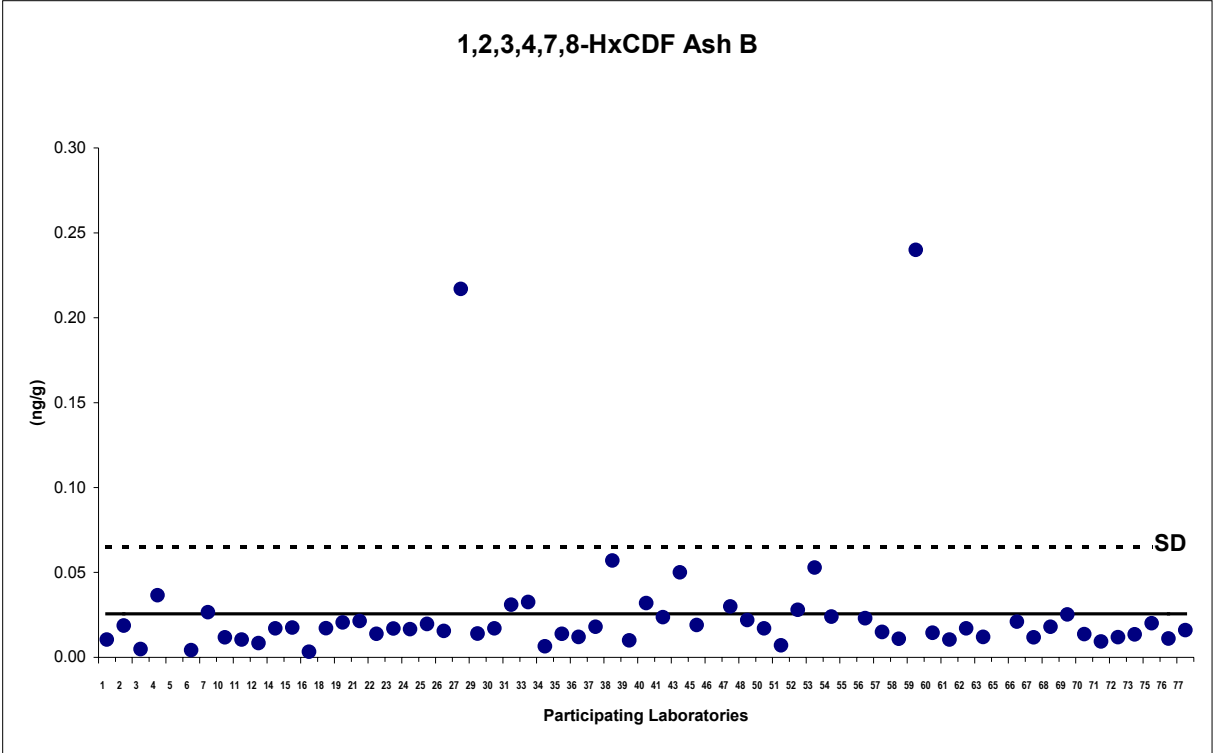


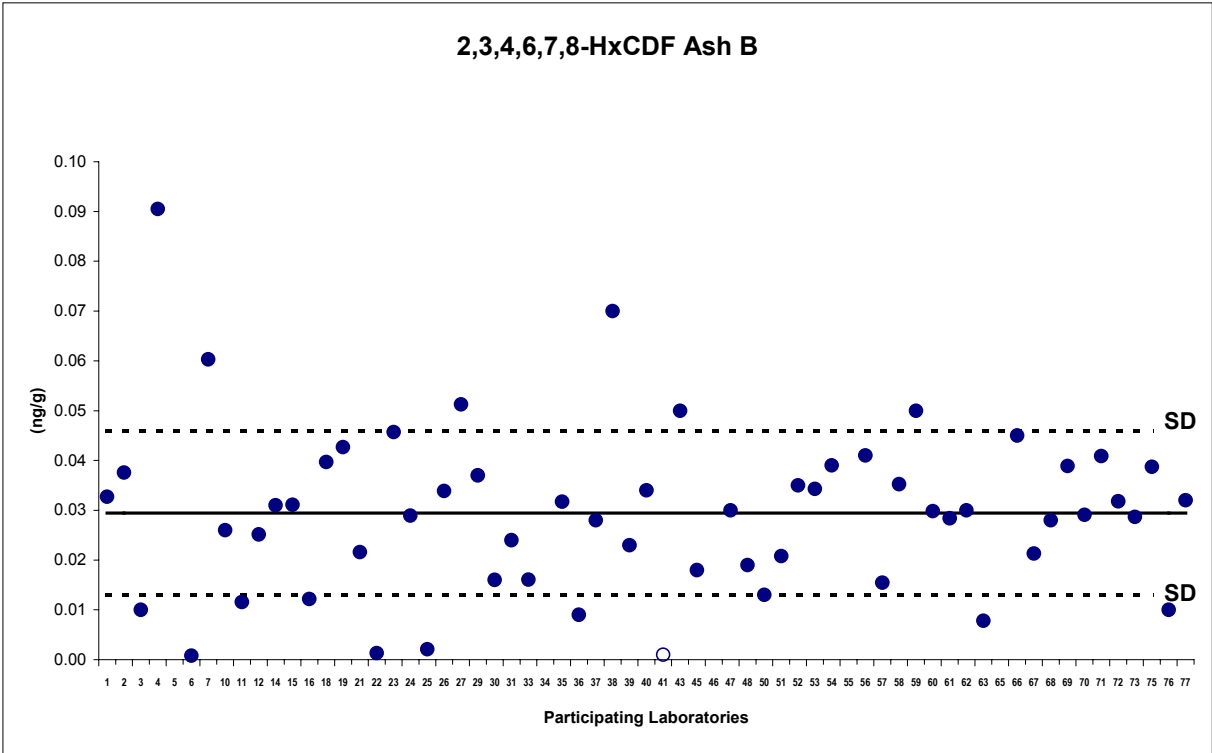
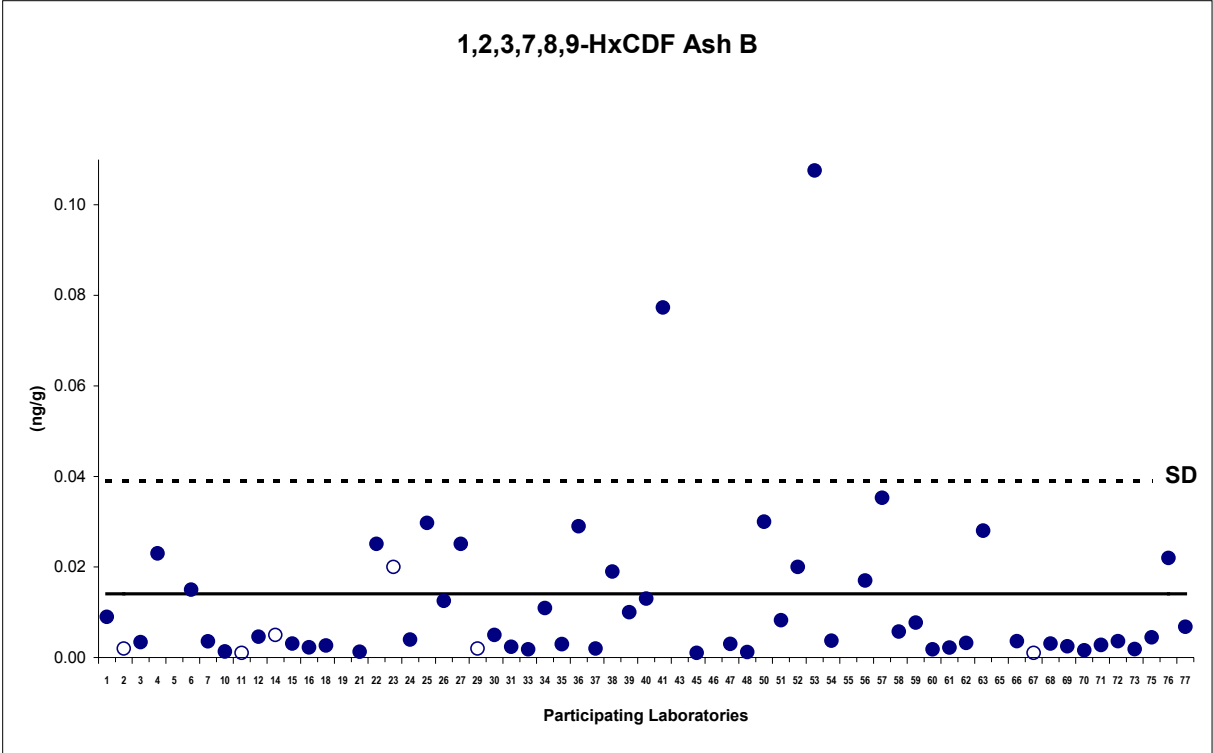


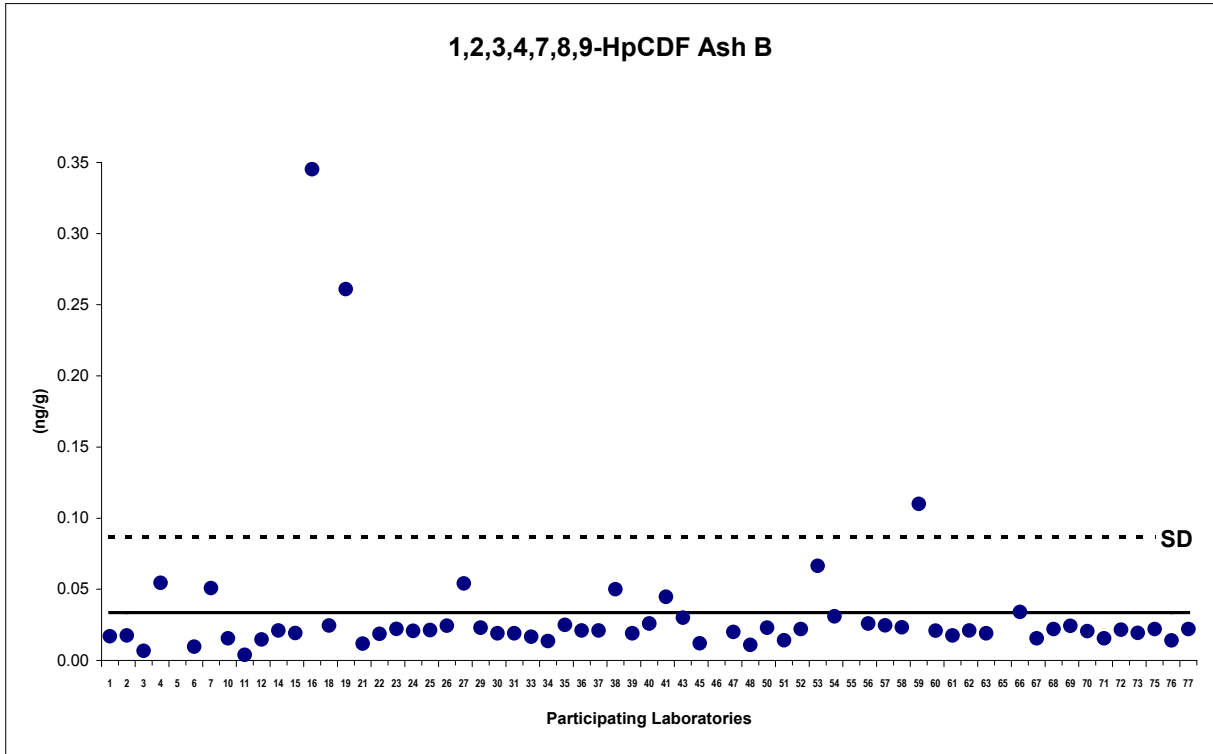
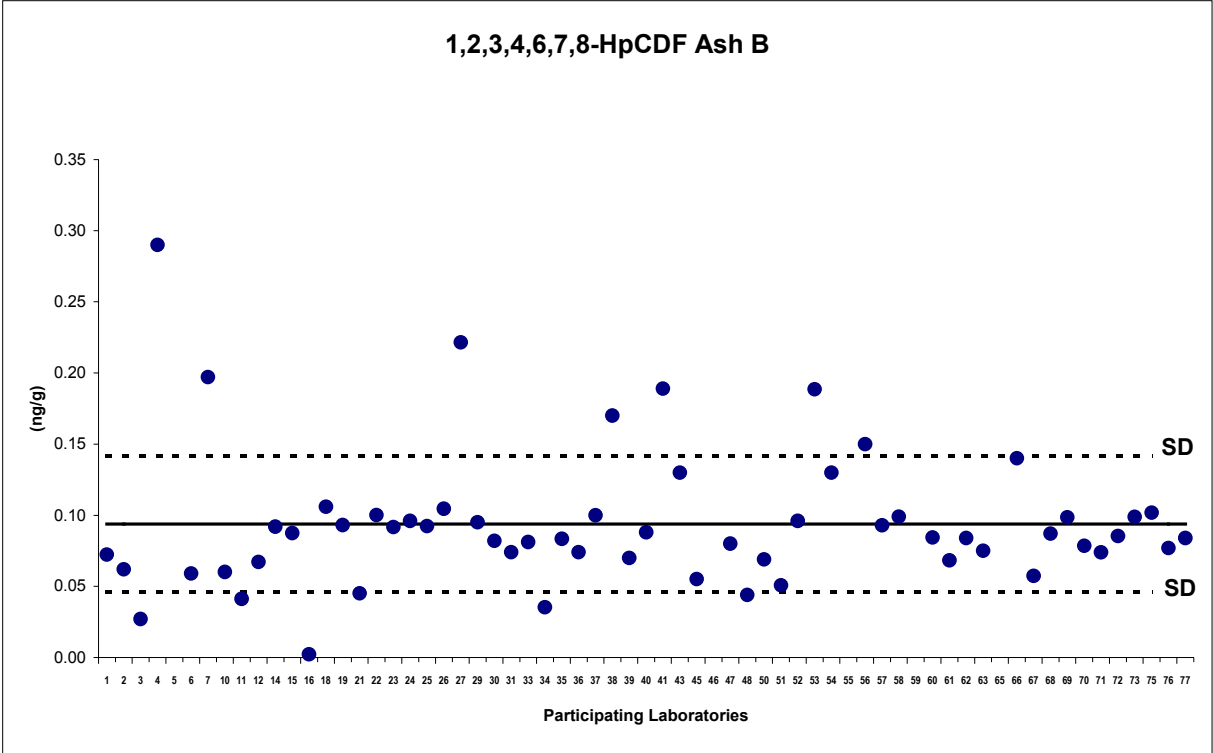


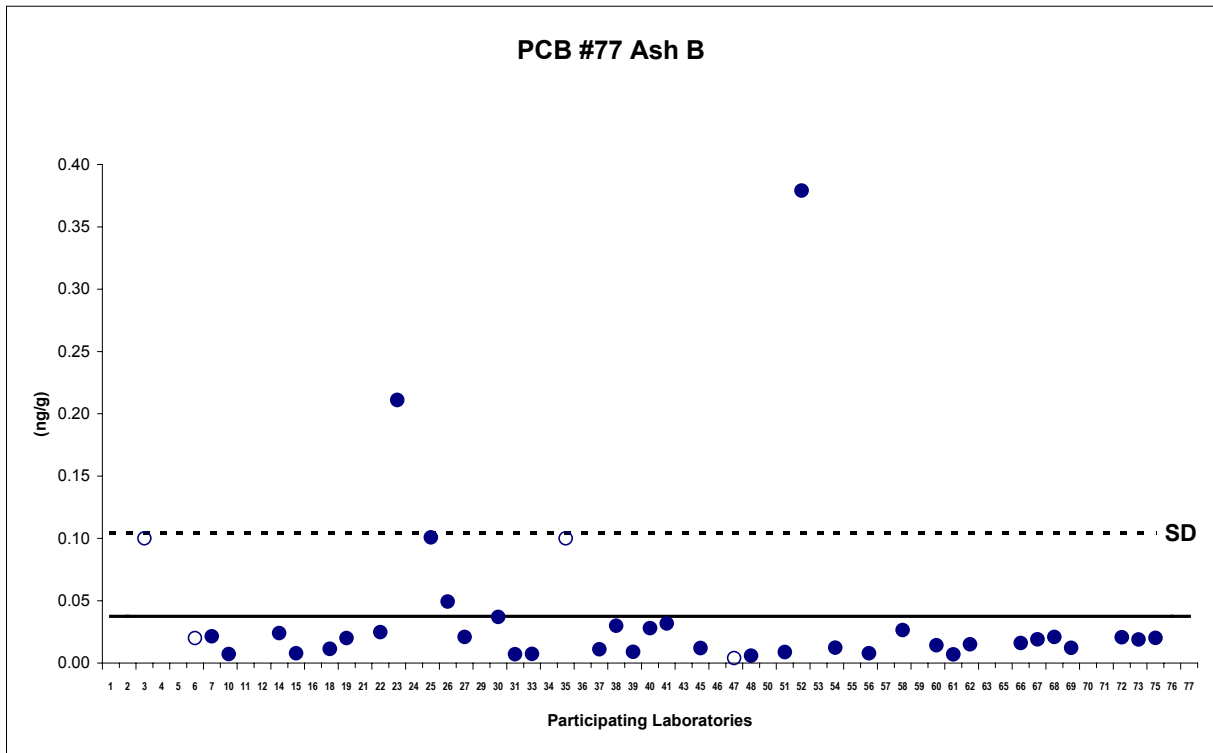
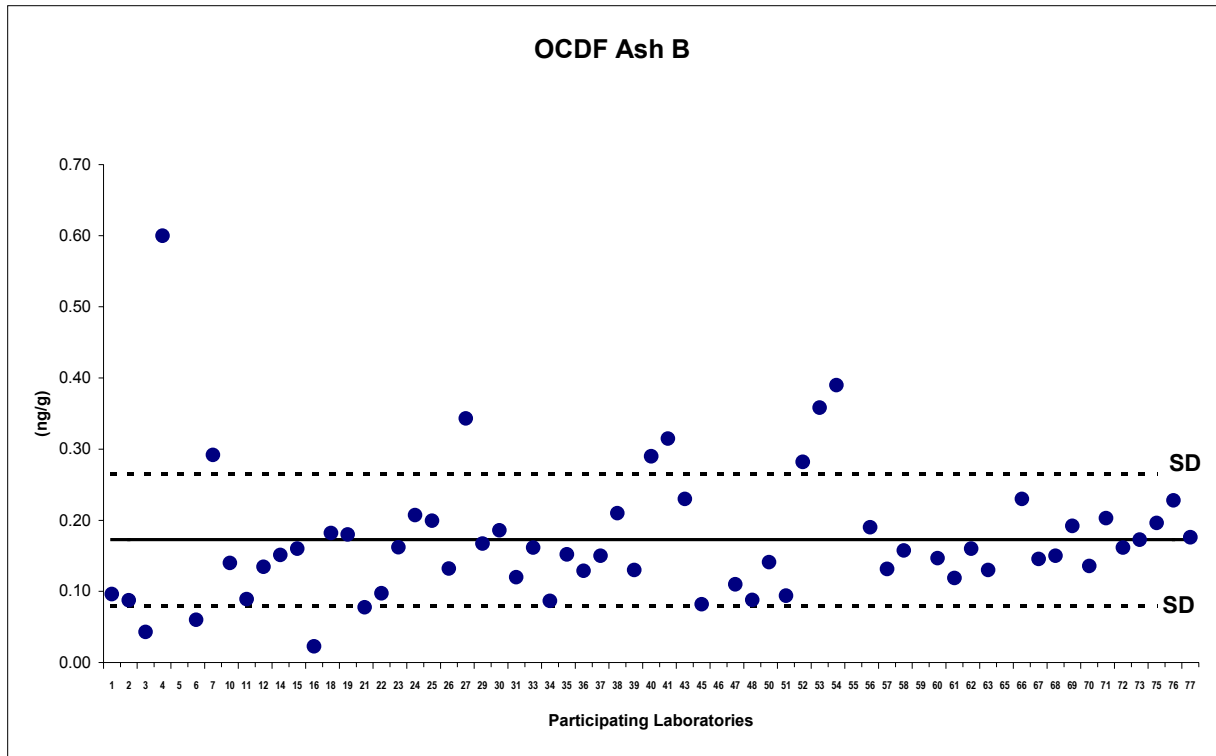




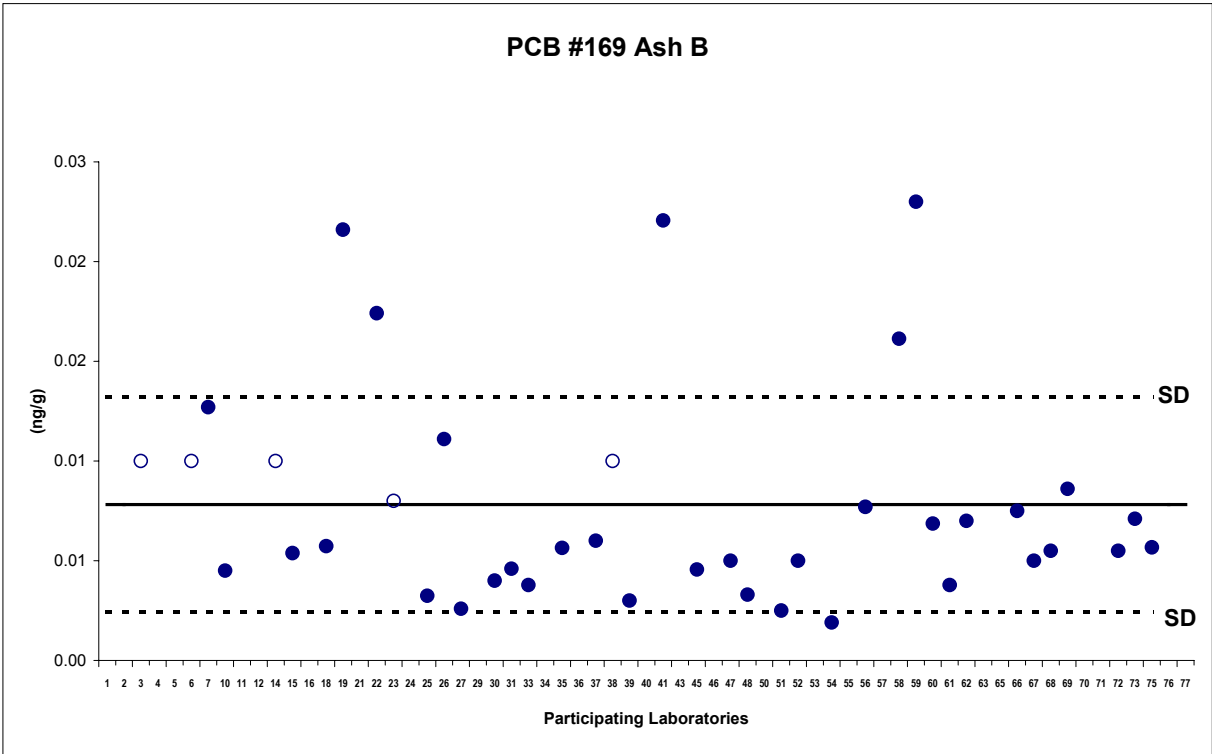
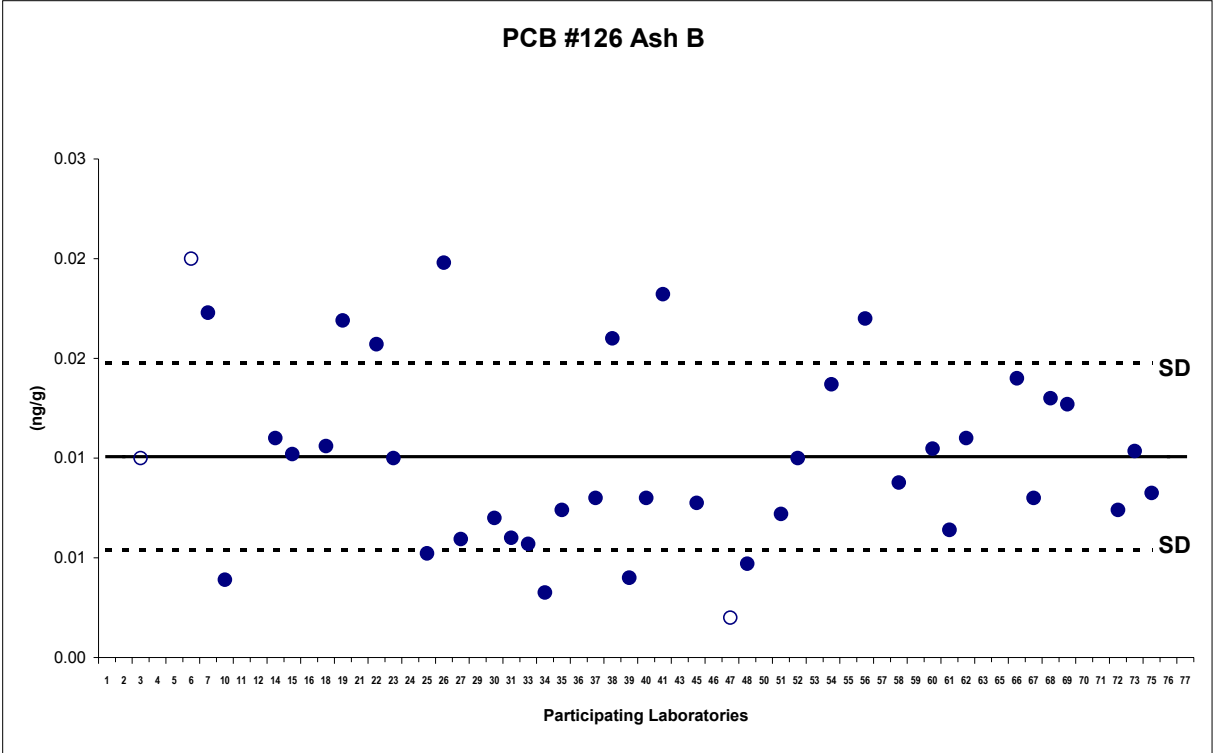


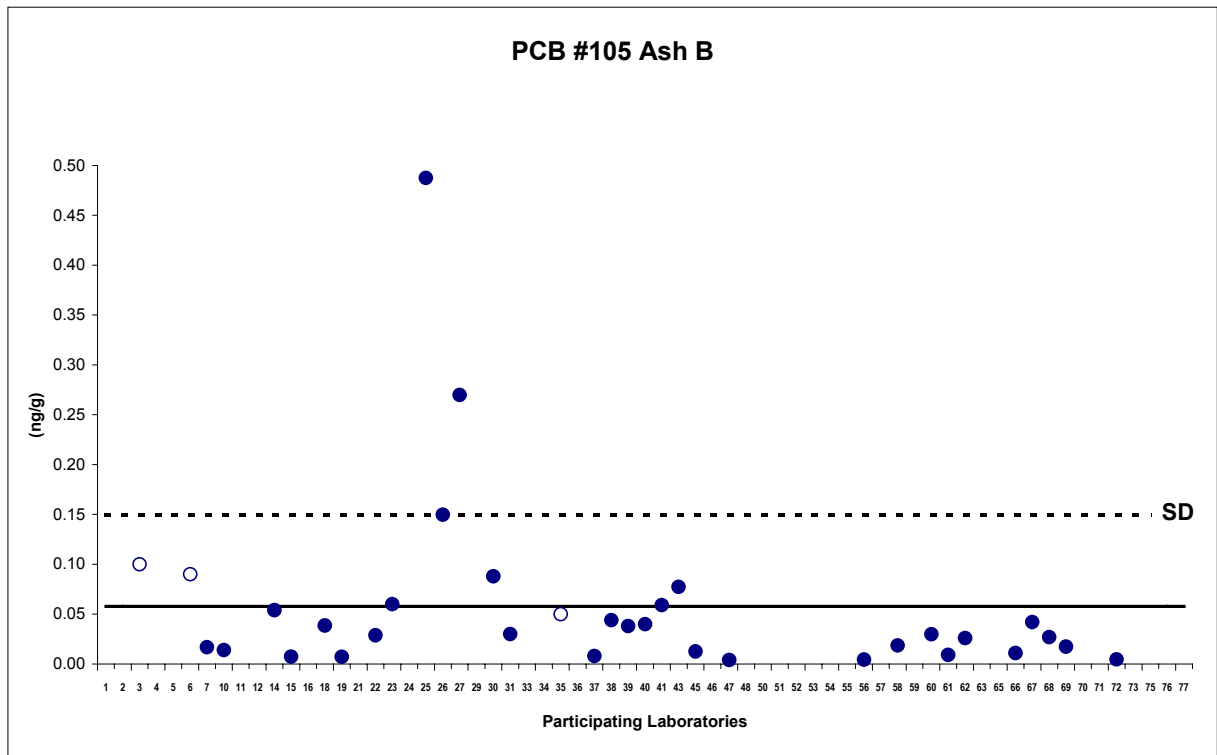
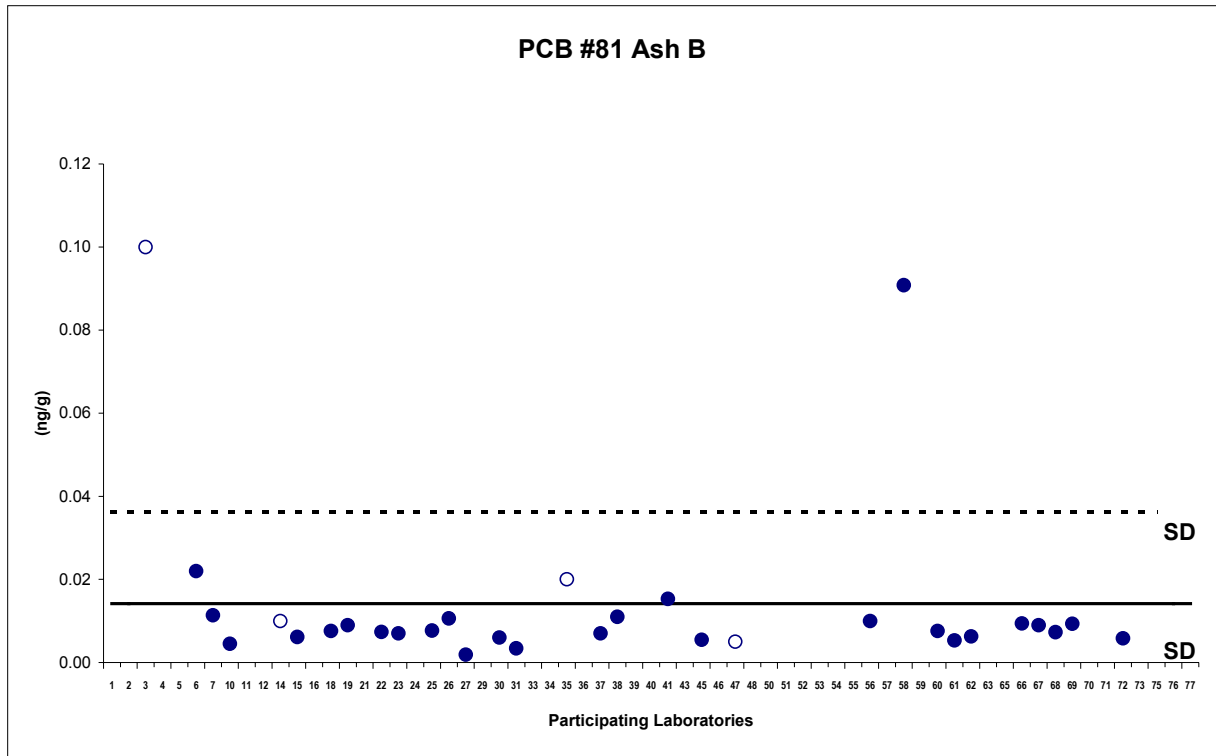


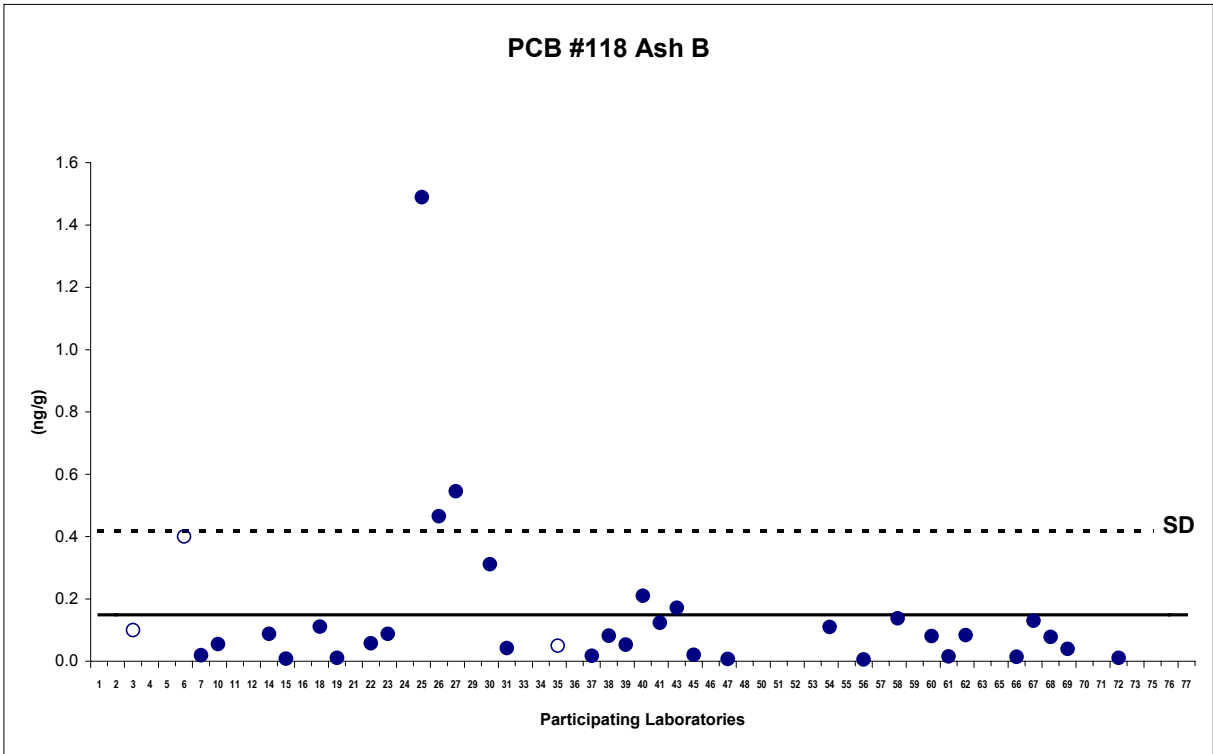
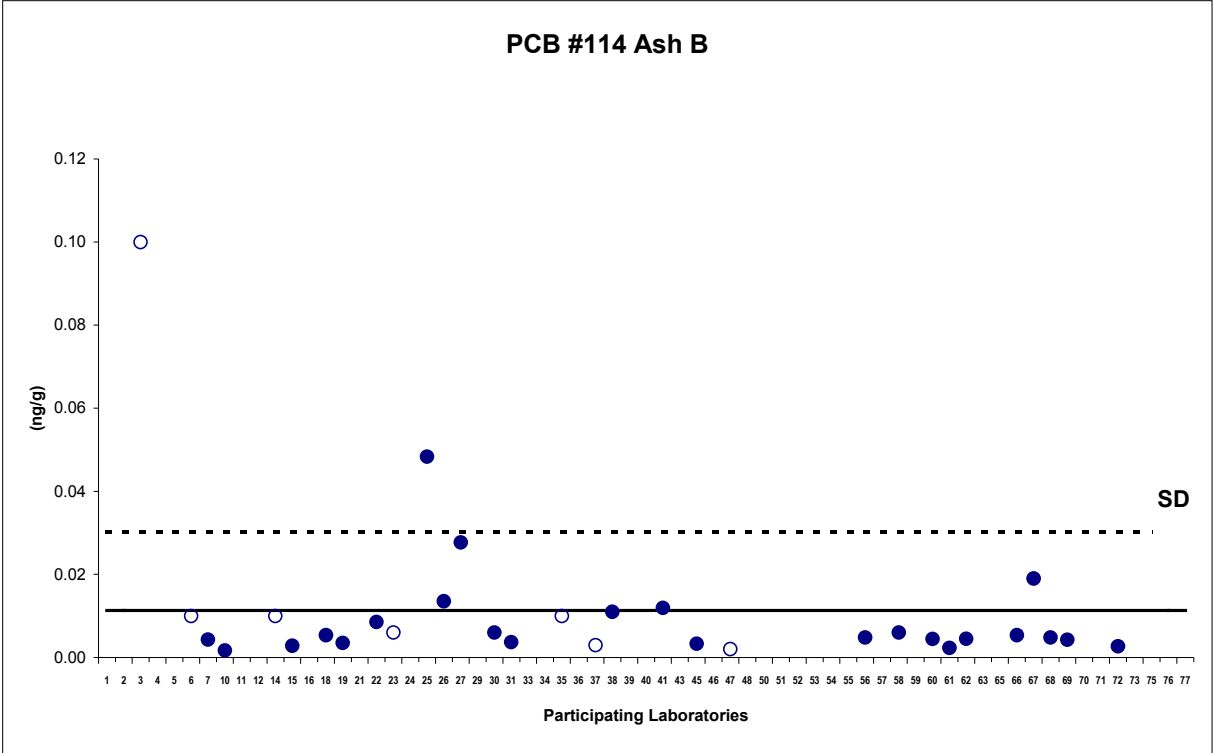


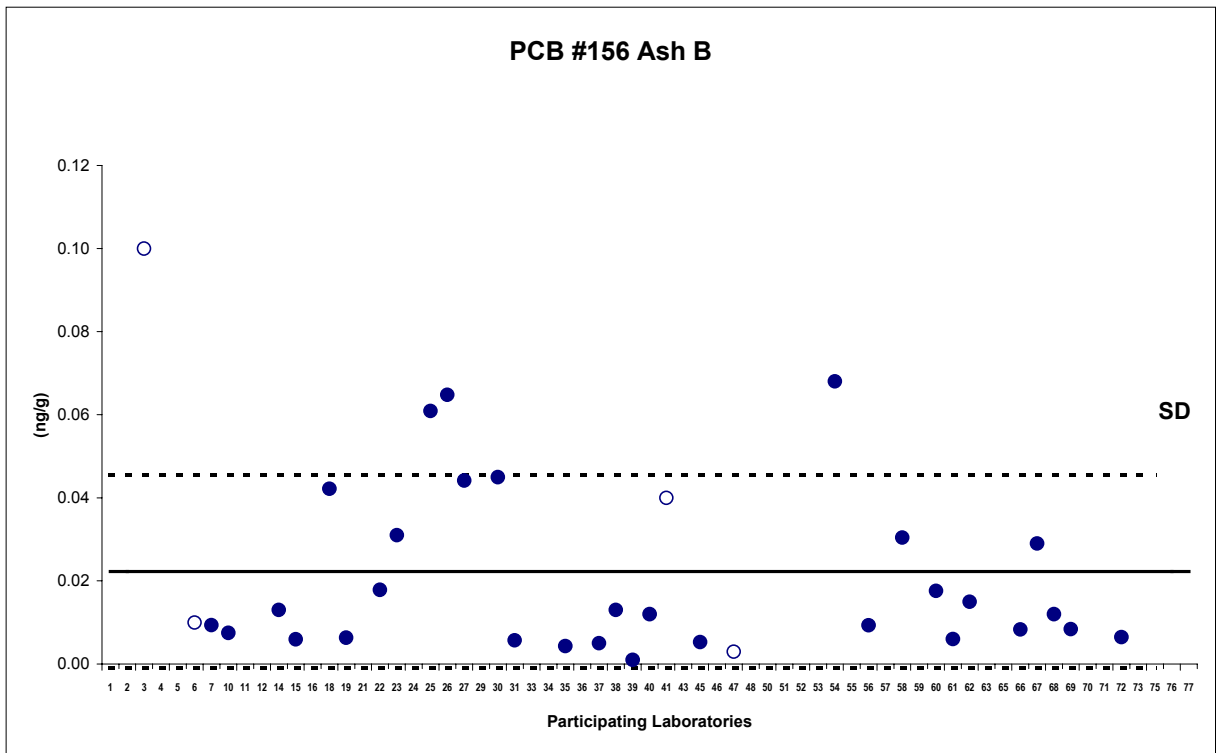
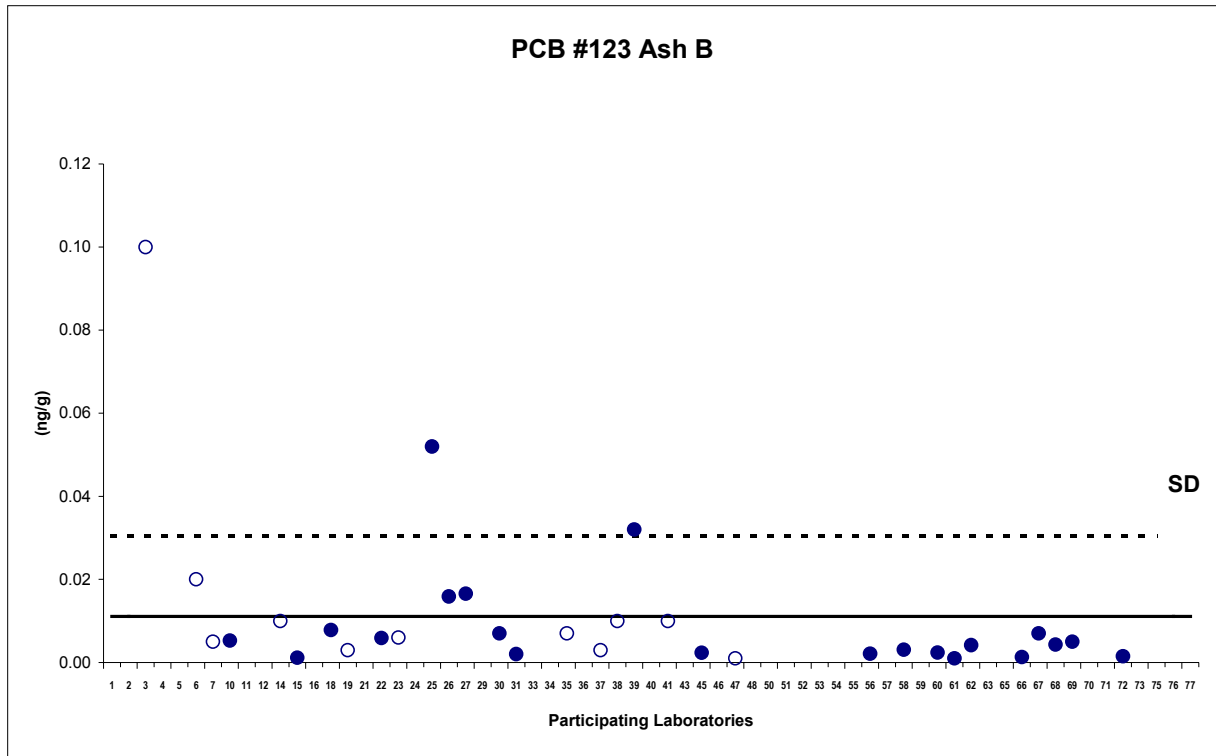


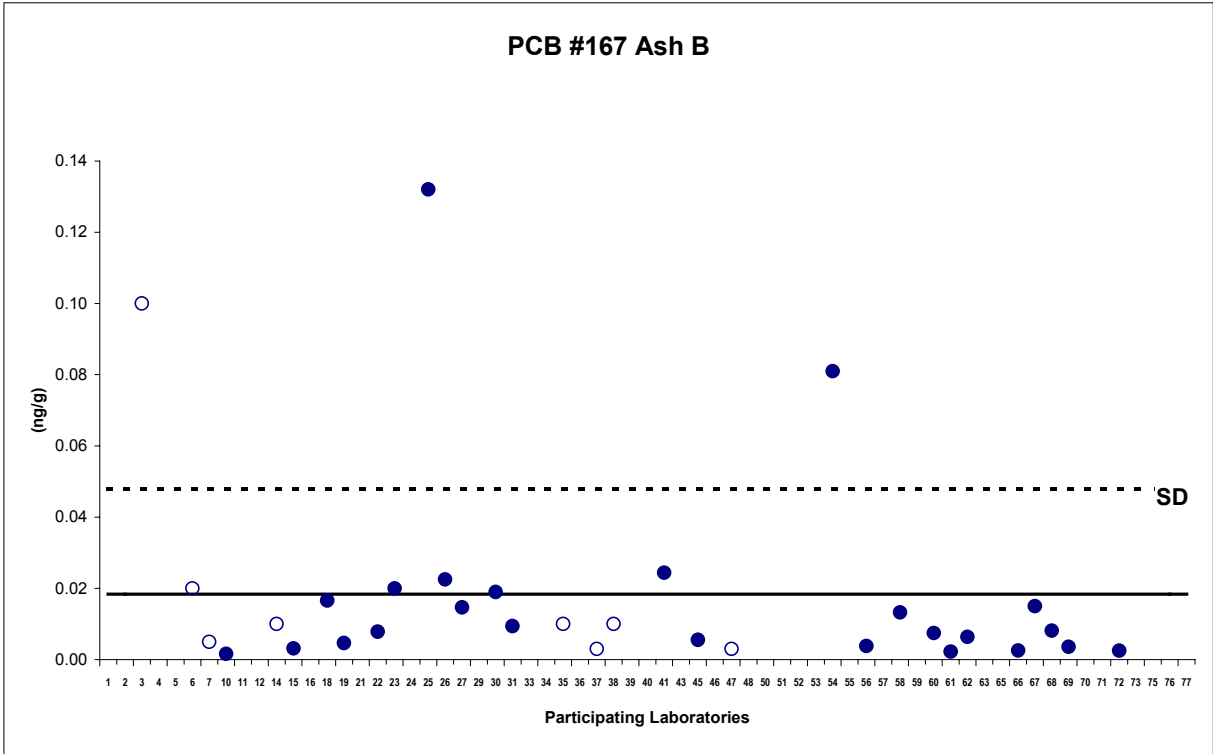
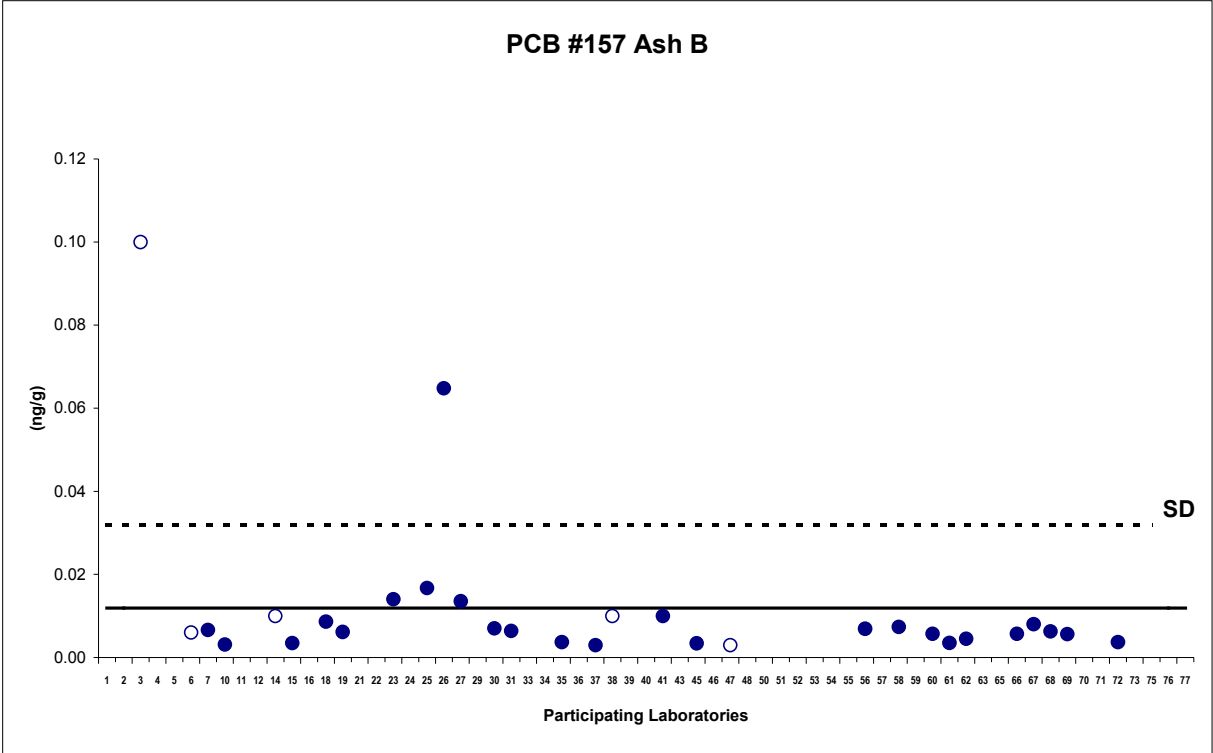




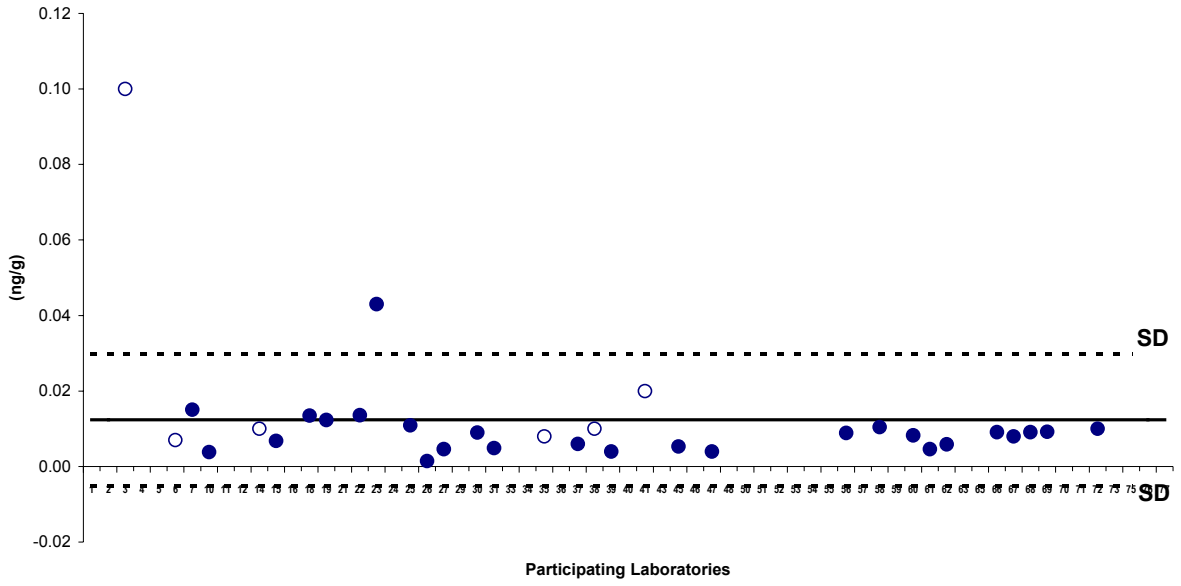








### PCB #189 Ash B



Participant code:	1	2	3	4	5	6	7	10	11	12	14	15	16
Weight Analysed:	2.00	4.45	1.00	10.00	NA	1.00	8.73	5.00	5.23	1.12	2.00	2.02	3.00
2,3,7,8-TeCDD	0.031	0.042	0.008	0.016	NA	0.018	0.040	0.013	0.045	0.036	0.041	0.040	1.249
1,2,3,7,8-PeCDD	0.07	0.10	0.02	0.03	NA	0.05	0.09	0.06	0.10	0.11	0.13	0.10	0.01
1,2,3,4,7,8-HxCDD	0.06	0.11	0.01	0.03	NA	0.03	0.07	0.05	0.07	0.06	0.09	0.08	0.04
1,2,3,6,7,8-HxCDD	0.09	0.18	0.02	0.04	NA	0.05	0.12	0.07	0.12	0.11	0.14	0.12	0.03
1,2,3,7,8,9-HxCDD	0.09	0.18	0.02	0.02	NA	0.04	0.11	0.07	0.18	0.10	0.14	0.12	0.05
1,2,3,4,6,7,8-HpCDD	0.8	1.4	0.2	0.4	NA	0.4	1.4	0.9	1.0	1.2	1.0	1.1	0.0
OCDD	3.1	4.7	1.0	1.6	NA	1.7	4.9	2.7	3.5	4.4	4.0	3.8	0.6
2,3,7,8-TeCDF	0.15	0.19	0.04	0.08	NA	0.06	0.19	0.13	0.49	0.17	0.18	0.15	0.07
1,2,3,7,8-PeCDF	0.22	0.35	0.06	0.09	NA	0.11	0.27	0.17	0.22	0.23	0.25	0.30	0.06
2,3,4,7,8-PeCDF	0.23	0.24	0.06	0.15	NA	0.09	0.26	0.17	0.25	0.20	0.26	0.19	0.07
1,2,3,4,7,8-HxCDF	0.23	0.54	0.06	0.15	NA	0.13	0.30	0.18	0.54	0.22	0.30	0.31	0.05
1,2,3,6,7,8-HxCDF	0.26	0.45	0.07	0.15	NA	0.16	0.33	0.20	0.27	0.27	0.34	0.33	0.13
1,2,3,7,8,9-HxCDF	0.11	0.10	0.02	0.04	NA	0.25	0.02	0.02	0.02	0.02	0.04	0.03	0.01
2,3,4,6,7,8-HxCDF	0.50	0.78	0.11	0.29	NA	0.01	0.46	0.32	0.42	0.41	0.42	0.42	0.16
1,2,3,4,6,7,8-HpCDF	1.63	1.92	0.44	1.25	NA	1.10	2.01	0.99	1.41	1.59	1.69	1.48	0.01
1,2,3,4,7,8,9-HpCDF	0.23	0.33	0.06	0.09	NA	0.12	0.29	0.15	0.22	0.22	0.23	0.21	1.22
OCDF	1.74	1.97	0.48	1.40	NA	0.91	2.27	1.52	2.00	2.15	2.19	2.03	0.18
<b>TEQ (PCDD/DF)</b>	<b>0.41</b>	<b>0.58</b>	<b>0.10</b>	<b>0.22</b>	<b>NA</b>	<b>0.18</b>	<b>0.47</b>	<b>0.29</b>	<b>0.51</b>	<b>0.42</b>	<b>0.51</b>	<b>0.43</b>	<b>1.37</b>
PCB #77	NA	NA	<0.1	NA	NA	<0.06	0.05	0.03	NA	NA	0.05	0.04	NA
PCB #126	NA	NA	0.01	NA	NA	<0.06	0.04	0.02	NA	NA	0.04	0.03	NA
PCB #169	NA	NA	<0.01	NA	NA	<0.03	0.02	0.01	NA	NA	0.02	0.02	NA
<b>TEQ (including PCBs)</b>	<b>NA</b>	<b>NA</b>	<b>0.11</b>	<b>NA</b>	<b>NA</b>	<b>0.18</b>	<b>0.47</b>	<b>0.29</b>	<b>NA</b>	<b>NA</b>	<b>0.51</b>	<b>0.44</b>	<b>NA</b>
Other PCBs (Optional)													
PCB #81	NA	NA	<0.1	NA	NA	<0.02	0.01	0.01	NA	NA	0.02	0.01	NA
PCB #105	NA	NA	<0.1	NA	NA	<0.08	0.05	0.05	NA	NA	0.07	0.05	NA
PCB #114	NA	NA	<0.1	NA	NA	<0.02	0.01	<0.001	NA	NA	0.02	0.01	NA
PCB #118	NA	NA	<0.1	NA	NA	<0.1	0.05	0.13	NA	NA	0.13	0.07	NA
PCB #123	NA	NA	<0.1	NA	NA	<0.01	<0.007	0.01	NA	NA	0.02	0.01	NA
PCB #156	NA	NA	<0.1	NA	NA	<0.05	0.03	0.02	NA	NA	0.04	0.03	NA
PCB #157	NA	NA	<0.1	NA	NA	<0.03	0.01	0.01	NA	NA	0.02	0.01	NA
PCB #167	NA	NA	<0.1	NA	NA	<0.07	0.01	0.01	NA	NA	0.02	0.02	NA
PCB #189	NA	NA	<0.1	NA	NA	<0.04	0.04	0.02	NA	NA	0.03	0.03	NA
<b>TEQ Total</b>	<b>NA</b>	<b>NA</b>	<b>0.11</b>	<b>NA</b>	<b>NA</b>	<b>0.18</b>	<b>0.47</b>	<b>0.29</b>	<b>NA</b>	<b>NA</b>	<b>0.05</b>	<b>0.44</b>	<b>NA</b>

\* all values in ng/ampoule  
 ND: not detected < than value expected  
 NA: not analyzed  
 Ash C1

Participant code:	18	19	21	22	23	24	25	26	27	29	30	31	33
Weight Analysed:	5.01	NA	NA	2.02	3.00	4.01	1.08	0.50	3.52	0.40	5.00	6.38	4.35
2,3,7,8-TeCDD	0.039	0.035	0.017	0.035	0.022	0.037	0.051	0.036	0.070	0.037	0.048	0.042	0.049
1,2,3,7,8-PeCDD	0.09	0.09	0.04	0.08	0.07	0.09	0.11	0.095	0.08	0.08	0.06	0.11	0.09
1,2,3,4,7,8-HxCDD	0.08	0.08	0.03	0.07	0.07	0.07	0.08	0.07	0.06	0.07	0.10	0.12	0.08
1,2,3,6,7,8-HxCDD	0.10	0.14	0.04	0.13	0.09	0.13	0.12	0.14	0.07	0.09	0.15	0.26	0.10
1,2,3,7,8,9-HxCDD	0.12	0.14	0.06	0.11	0.09	0.12	0.12	0.12	0.07	0.09	0.13	0.34	0.13
1,2,3,4,6,7,8-HpCDD	0.9	1.3	0.5	1.2	0.7	1.3	1.1	1.4	0.7	0.9	1.4	2.7	1.1
OCDD	3.6	5.4	1.6	4.3	2.8	4.6	4.1	5.0	2.6	3.1	4.1	7.6	5.7
2,3,7,8-TeCDF	0.17	0.19	0.13	0.22	0.15	0.15	0.16	0.17	0.29	0.14	0.19	0.16	0.24
1,2,3,7,8-PeCDF	0.25	0.29	0.12	0.27	0.18	0.24	0.22	0.22	0.13	0.21	0.26	0.24	0.15
2,3,4,7,8-PeCDF	0.18	0.25	0.09	0.16	0.19	0.25	0.25	0.21	0.12	0.18	0.25	0.31	0.53
1,2,3,4,7,8-HxCDF	0.25	0.33	0.27	0.24	0.15	0.26	0.34	0.24	0.22	0.21	0.27	0.76	0.56
1,2,3,6,7,8-HxCDF	0.30	0.36	0.14	0.32	0.23	0.32	0.34	0.32	0.22	0.26	0.32	0.40	0.28
1,2,3,7,8,9-HxCDF	0.02	0.14	0.01	0.37	< 0.13	0.04	0.48	0.10	0.02	0.02	0.03	0.03	0.07
2,3,4,6,7,8-HxCDF	0.44	0.56	0.24	0.02	0.44	0.50	0.02	0.49	0.26	0.40	0.42	0.47	0.27
1,2,3,4,6,7,8-HpCDF	1.59	1.62	0.69	1.69	1.11	1.72	1.80	2.01	1.21	1.31	1.50	1.80	1.83
1,2,3,4,7,8,9-HpCDF	0.22	0.28	0.11	0.21	0.16	0.27	0.23	0.23	0.11	0.20	0.16	0.28	0.24
OCDF	2.05	2.34	0.88	1.36	1.76	2.24	2.69	2.04	1.55	1.79	2.27	2.00	2.08
<b>TEQ (PCDD/DF)</b>	<b>0.41</b>	<b>0.49</b>	<b>0.21</b>	<b>0.39</b>	<b>0.34</b>	<b>0.46</b>	<b>0.50</b>	<b>0.45</b>	<b>0.36</b>	<b>0.36</b>	<b>0.44</b>	<b>0.62</b>	<b>0.63</b>
PCB #77	0.03	0.05	NA	0.08	1.08	0.04	0.06	0.09	0.04	NA	0.07	0.05	0.03
PCB #126	0.03	0.04	NA	0.03	0.04	0.02	0.02	0.07	0.01	NA	0.03	0.05	0.03
PCB #169	0.01	0.03	NA	0.02	< 0.016	0.01	0.01	0.03	0.00	NA	0.01	0.03	0.01
<b>TEQ (including PCBs)</b>	<b>0.41</b>	<b>0.50</b>	<b>NA</b>	<b>0.40</b>	<b>0.34</b>	<b>0.46</b>	<b>0.50</b>	<b>0.45</b>	<b>0.36</b>	<b>NA</b>	<b>0.44</b>	<b>0.63</b>	<b>0.63</b>
Other PCBs (Optional)													
PCB #81	0.01	0.02	NA	0.02	0.01	0.01	0.01	0.03	0.00	NA	0.01	0.03	NA
PCB #105	0.03	0.06	NA	0.13	< 0.022	0.07	0.22	0.23	0.43	NA	0.15	0.09	NA
PCB #114	0.01	0.01	NA	0.01	< 0.024	0.01	0.02	0.02	0.03	NA	0.01	0.01	NA
PCB #118	0.06	0.10	NA	0.28	0.10	0.18	0.70	0.06	0.92	NA	0.41	0.12	NA
PCB #123	0.01	0.01	NA	0.06	< 0.022	0.00	0.03	0.12	0.02	NA	0.01	0.01	NA
PCB #156	0.02	0.03	NA	0.07	0.03	0.08	0.06	0.11	0.08	NA	0.09	0.04	NA
PCB #157	0.01	0.02	NA	0.03	< 0.021	0.02	0.02	0.11	0.02	NA	0.02	0.02	NA
PCB #167	0.01	0.02	NA	0.04	< 0.02	0.02	0.09	0.03	0.03	NA	0.04	0.05	NA
PCB #189	0.02	0.03	NA	0.03	< 0.020	0.03	0.03	0.03	0.01	NA	0.03	0.04	NA
<b>TEQ Total</b>	<b>0.41</b>	<b>0.50</b>	<b>NA</b>	<b>0.00</b>	<b>0.34</b>	<b>0.46</b>	<b>0.50</b>	<b>0.45</b>	<b>0.36</b>	<b>NA</b>	<b>0.44</b>	<b>0.63</b>	<b>NA</b>
* all values in ng/ampoule													
ND: not detected < than value expected													
NA: not analyzed													
Ash C2													



Participant code:	34	35	36	37	38	39	40	41	43	45	46	47	48
Weight Analysed:	3.00	2.00	NA	3.84	1.00	2.00	8.80	3.26	3.96	1.00	NA	NA	2.50
2,3,7,8-TeCDD	0.020	0.039	0.016	0.044	0.039	0.028	0.014	0.044	0.060	0.02	NA	0.010	0.024
1,2,3,7,8-PeCDD	0.05	0.08	0.04	0.10	0.11	0.08	0.09	0.10	0.13	0.05	NA	0.03	0.04
1,2,3,4,7,8-HxCDD	0.03	0.08	0.03	0.08	0.09	0.04	0.08	0.08	0.10	0.04	NA	0.02	0.03
1,2,3,6,7,8-HxCDD	0.06	0.12	0.05	0.12	0.16	0.08	0.11	0.14	0.16	0.05	NA	0.04	0.04
1,2,3,7,8,9-HxCDD	0.05	0.14	0.04	0.13	0.14	0.08	0.15	0.20	0.23	0.09	NA	0.04	0.06
1,2,3,4,6,7,8-HpCDD	0.5	1.2	0.5	1.5	1.3	0.8	1.1	1.1	1.5	0.6	NA	0.4	0.4
OCDD	1.6	4.2	1.7	4.3	4.6	2.6	2.9	4.3	5.3	2.0	NA	1.5	1.7
2,3,7,8-TeCDF	0.12	0.18	0.10	0.15	0.20	0.14	0.47	0.15	0.17	0.08	NA	0.09	0.25
1,2,3,7,8-PeCDF	0.16	0.21	0.11	0.31	0.36	0.05	0.16	0.22	0.25	0.13	NA	0.10	0.12
2,3,4,7,8-PeCDF	0.13	0.22	0.14	0.20	0.24	0.15	0.17	0.22	0.28	0.13	NA	0.11	0.11
1,2,3,4,7,8-HxCDF	0.14	0.26	0.13	0.32	0.37	0.18	0.42	0.23	0.29	0.34	NA	0.32	0.33
1,2,3,6,7,8-HxCDF	0.19	0.32	0.15	0.31	0.40	0.21	0.17	0.41	0.39	0.16	NA	0.14	0.13
1,2,3,7,8,9-HxCDF	0.22	0.03	0.24	0.02	0.13	0.09	0.08	0.51	0.03	0.01	NA	0.01	0.01
2,3,4,6,7,8-HxCDF	0.04	0.49	0.05	0.47	0.50	0.31	0.33	0.03	0.62	0.23	NA	0.17	0.24
1,2,3,4,6,7,8-HpCDF	0.81	1.64	0.80	2.00	1.80	1.23	1.51	1.73	2.01	0.96	NA	0.82	0.73
1,2,3,4,7,8,9-HpCDF	0.19	0.23	0.17	0.23	0.31	0.18	0.15	0.25	0.23	0.12	NA	0.06	0.10
OCDF	0.44	1.99	1.15	2.10	2.30	1.50	2.78	2.15	2.42	1.06	NA	1.10	1.00
<b>TEQ (PCDD/DF)</b>	<b>0.24</b>	<b>0.43</b>	<b>0.22</b>	<b>0.46</b>	<b>0.52</b>	<b>0.32</b>	<b>0.40</b>	<b>0.47</b>	<b>0.63</b>	<b>0.26</b>	<b>NA</b>	<b>0.20</b>	<b>0.24</b>
PCB #77	0.02	0.07	NA	0.04	0.06	0.03	0.06	0.06	0.03	0.04	NA	0.02	0.02
PCB #126	0.03	0.04	NA	0.03	0.04	0.02	0.04	0.03	ND	0.02	NA	<0.007	0.02
PCB #169	0.01	0.02	NA	0.02	0.02	0.01	0.02	<0.03	ND	0.01	NA	<0.01	0.01
<b>TEQ (including PCBs)</b>	<b>0.24</b>	<b>0.44</b>	<b>NA</b>	<b>0.46</b>	<b>0.53</b>	<b>0.32</b>	<b>0.41</b>	<b>0.47</b>	<b>0.63</b>	<b>0.27</b>	<b>NA</b>	<b>0.20</b>	<b>0.25</b>
Other PCBs (Optional)													
PCB #81	0.01	0.02	NA	0.01	0.02	0.01	0.01	0.02	ND	0.01	NA	<0.007	NA
PCB #105	NA	0.04	NA	0.04	0.08	0.15	0.12	0.08	0.14	0.06	NA	0.03	NA
PCB #114	NA	0.01	NA	0.01	0.01	0.01	0.01	0.02	ND	0.01	NA	0.03	NA
PCB #118	NA	0.07	NA	0.06	0.12	0.32	0.37	0.18	0.35	0.10	NA	0.06	NA
PCB #123	NA	0.01	NA	0.01	<0.01	0.13	ND	<0.02	0.04	0.01	NA	<0.005	NA
PCB #156	NA	0.03	NA	0.02	0.04	0.03	0.04	<0.08	ND	0.02	NA	<0.008	NA
PCB #157	NA	0.02	NA	0.01	0.02	0.01	ND	<0.08	ND	0.01	NA	<0.008	NA
PCB #167	NA	0.03	NA	0.01	<0.01	0.01	ND	0.04	ND	0.02	NA	<0.008	NA
PCB #189	NA	0.02	NA	0.02	0.03	0.02	0.03	0.05	0.03	0.02	NA	0.004	NA
<b>TEQ Total</b>	<b>NA</b>	<b>0.44</b>	<b>NA</b>	<b>0.46</b>	<b>0.53</b>	<b>0.32</b>	<b>0.41</b>	<b>0.47</b>	<b>0.63</b>	<b>0.27</b>	<b>NA</b>	<b>0.20</b>	<b>NA</b>

\* all values in ng/ampoule

ND: not detected < than value expected

NA: not analyzed

Ash C3

Participant code:	50	51	52	53	54	55	56	57	58	59	60	61	62
Weight Analysed:	1.00	1.02	0.50	0.51	5.16	NA	5.12	NA	5.40	14.86	3.00	5.09	1.47
2,3,7,8-TeCDD	0.043	0.022	0.042	0.051	0.044	NA	0.044	0.027	0.031	0.120	0.040	0.035	0.044
1,2,3,7,8-PeCDD	0.11	0.05	0.11	0.11	0.10	NA	0.10	0.05	0.08	0.01	0.11	0.07	0.12
1,2,3,4,7,8-HxCDD	0.08	0.04	0.08	0.09	0.09	NA	0.06	0.04	0.08	0.01	0.07	0.05	0.10
1,2,3,6,7,8-HxCDD	0.03	0.07	0.14	0.18	0.12	NA	0.11	0.06	0.24	0.03	0.11	0.08	0.17
1,2,3,7,8,9-HxCDD	0.12	0.07	0.12	0.14	0.12	NA	0.09	0.06	0.21	0.02	0.11	0.07	0.12
1,2,3,4,6,7,8-HpCDD	0.8	0.7	1.4	0.7	1.3	NA	1.2	0.6	1.7	0.3	1.0	0.8	1.4
OCDD	3.7	2.6	5.5	6.2	3.9	NA	3.9	2.2	4.0	3.1	3.6	3.4	4.6
2,3,7,8-TeCDF	0.17	0.12	0.25	0.12	0.16	NA	0.17	0.10	0.13	0.04	0.14	0.14	0.15
1,2,3,7,8-PeCDF	0.81	0.18	0.31	0.26	0.25	NA	0.25	0.15	0.22	0.04	0.20	0.22	0.33
2,3,4,7,8-PeCDF	0.65	0.19	0.22	0.26	0.22	NA	0.16	0.17	0.15	0.04	0.17	0.17	0.24
1,2,3,4,7,8-HxCDF	0.19	0.16	0.33	0.29	0.28	NA	0.27	0.16	0.22	0.17	0.26	0.23	0.36
1,2,3,6,7,8-HxCDF	0.13	0.21	0.35	0.34	0.35	NA	0.29	0.18	0.26	0.07	0.29	0.29	0.36
1,2,3,7,8,9-HxCDF	0.42	0.03	0.05	0.54	0.02	NA	0.09	0.29	0.02	0.01	0.02	0.02	0.05
2,3,4,6,7,8-HxCDF	0.11	0.32	0.48	0.14	0.45	NA	0.35	0.08	0.39	0.05	0.38	0.43	0.47
1,2,3,4,6,7,8-HpCDF	1.36	1.24	1.94	0.91	1.80	NA	1.60	1.03	1.70	0.88	1.53	1.48	1.80
1,2,3,4,7,8,9-HpCDF	0.16	0.19	0.34	0.19	0.26	NA	0.22	0.16	0.25	0.10	0.23	0.22	0.23
OCDF	1.41	1.34	2.76	1.68	2.50	NA	1.80	1.24	1.88	4.30	2.05	1.52	2.20
<b>TEQ (PCDD/DF)</b>	<b>0.61</b>	<b>0.29</b>	<b>0.49</b>	<b>0.51</b>	<b>0.46</b>	<b>0.50</b>	<b>0.41</b>	<b>0.29</b>	<b>0.39</b>	<b>0.20</b>	<b>0.40</b>	<b>0.36</b>	<b>0.51</b>
PCB #77	NA	0.03	0.42	NA	0.03	NA	0.05	NA	0.05	7.80	0.04	0.04	0.07
PCB #126	NA	0.02	0.04	NA	0.05	NA	0.03	NA	0.03	0.13	0.03	0.03	0.05
PCB #169	NA	0.01	0.02	NA	0.03	NA	0.01	NA	0.02	0.02	0.01	0.01	0.02
<b>TEQ (including PCBs)</b>	<b>NA</b>	<b>0.30</b>	<b>0.49</b>	<b>NA</b>	<b>0.46</b>	<b>0.50</b>	<b>0.41</b>	<b>NA</b>	<b>0.39</b>	<b>0.21</b>	<b>0.41</b>	<b>0.36</b>	<b>0.52</b>
Other PCBs (Optional)													
PCB #81	NA	NA	NA	NA	ND	NA	0.02	NA	0.07	0.12	0.01	0.01	0.02
PCB #105	NA	NA	NA	NA	ND	NA	0.08	NA	0.12	13.00	0.07	0.05	0.08
PCB #114	NA	NA	NA	NA	ND	NA	0.01	NA	0.01	0.41	0.01	0.01	0.02
PCB #118	NA	NA	NA	NA	0.14	NA	0.13	NA	0.10	52.00	0.16	0.06	0.19
PCB #123	NA	NA	NA	NA	NA	NA	0.01	NA	0.01	0.35	0.01	0.01	0.01
PCB #156	NA	NA	NA	NA	0.25	NA	0.04	NA	0.05	4.90	0.04	0.03	0.05
PCB #157	NA	NA	NA	NA	ND	NA	0.02	NA	0.01	0.78	0.02	0.01	0.02
PCB #167	NA	NA	NA	NA	0.11	NA	0.02	NA	0.01	2.60	0.02	0.01	0.03
PCB #189	NA	NA	NA	NA	ND	NA	0.02	NA	0.03	0.96	0.02	0.02	0.04
<b>TEQ Total</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>0.46</b>	<b>0.50</b>	<b>0.41</b>	<b>NA</b>	<b>0.39</b>	<b>0.22</b>	<b>0.41</b>	<b>0.36</b>	<b>0.52</b>
* all values in ng/ampoule													
ND: not detected < than value expected													
NA: not analyzed													
Ash C4													

Participant code:	63	65	66	67	68	69	70	71	72	73	75	76	77
Weight Analysed:	2.05	1.90	4.01	1.00	5.00	2.00	2.09	0.95	5.08	7.16	4.19	5.00	2.11
2,3,7,8-TeCDD	0.000	0.040	0.044	0.039	0.041	0.046	0.041	0.025	0.044	0.045	0.032	0.023	0.038
1,2,3,7,8-PeCDD	0.05	0.08	0.10	0.09	0.09	0.11	0.11	0.05	0.11	0.14	0.09	0.11	0.09
1,2,3,4,7,8-HxCDD	0.03	0.06	0.09	0.07	0.07	0.09	0.09	0.04	0.08	0.09	0.08	0.06	0.05
1,2,3,6,7,8-HxCDD	0.06	0.10	0.14	0.10	0.12	0.14	0.15	0.06	0.14	0.13	0.11	0.05	0.09
1,2,3,7,8,9-HxCDD	0.06	0.09	0.13	0.11	0.12	0.14	0.13	0.02	0.16	0.12	0.10	0.04	0.11
1,2,3,4,6,7,8-HpCDD	0.6	1.0	1.3	1.1	1.1	1.5	1.3	0.6	1.5	1.7	1.4	1.1	1.1
OCDD	1.9	4.5	4.4	3.7	4.1	4.7	3.6	2.3	5.1	5.9	4.7	2.8	3.6
2,3,7,8-TeCDF	0.11	0.15	0.15	0.14	0.18	0.18	0.15	0.10	0.20	0.30	0.15	0.12	0.15
1,2,3,7,8-PeCDF	0.15	0.29	0.29	0.20	0.30	0.26	0.23	0.12	0.26	0.32	0.25	0.10	0.21
2,3,4,7,8-PeCDF	0.14	0.18	0.19	0.15	0.25	0.28	0.16	0.13	0.28	0.21	0.18	0.07	0.21
1,2,3,4,7,8-HxCDF	0.14	0.29	0.26	0.24	0.37	0.35	0.26	0.15	0.30	0.32	0.28	0.27	0.30
1,2,3,6,7,8-HxCDF	0.18	0.30	0.31	0.22	0.33	0.36	0.31	0.18	0.38	0.42	0.30	0.24	0.29
1,2,3,7,8,9-HxCDF	0.26	0.03	0.03	0.02	0.03	0.03	0.02	0.02	0.05	0.02	0.06	0.36	0.06
2,3,4,6,7,8-HxCDF	0.05	0.43	0.43	0.35	0.40	0.48	0.45	0.31	0.58	0.48	0.40	0.11	0.36
1,2,3,4,6,7,8-HpCDF	0.94	1.81	1.70	1.31	1.70	1.77	1.60	1.05	2.02	2.31	1.57	2.24	1.74
1,2,3,4,7,8,9-HpCDF	0.14	0.27	0.23	0.21	0.20	0.24	0.19	0.14	0.28	0.23	0.25	0.18	0.23
OCDF	1.17	1.87	2.00	1.75	2.10	2.42	1.68	1.32	2.51	2.58	2.31	2.01	2.29
<b>TEQ (PCDD/DF)</b>	<b>0.23</b>	<b>0.40</b>	<b>0.44</b>	<b>0.36</b>	<b>0.46</b>	<b>0.53</b>	<b>0.43</b>	<b>0.25</b>	<b>0.54</b>	<b>0.54</b>	<b>0.41</b>	<b>0.28</b>	<b>0.42</b>
PCB #77	NA	0.05	0.05	0.04	0.05	0.05	NA	NA	0.04	0.06	0.03	5.93	NA
PCB #126	NA	0.01	0.03	0.04	0.03	0.04	NA	NA	0.03	0.04	0.02	ND	NA
PCB #169	NA	0.01	0.02	0.02	0.02	0.02	NA	NA	0.02	0.03	0.02	NA	NA
<b>TEQ (including PCBs)</b>	<b>NA</b>	<b>0.40</b>	<b>0.44</b>	<b>0.37</b>	<b>0.47</b>	<b>0.53</b>	<b>NA</b>	<b>NA</b>	<b>0.55</b>	<b>0.55</b>	<b>0.41</b>	<b>0.28</b>	<b>NA</b>
Other PCBs (Optional)													
PCB #81	NA	NA	0.02	0.01	0.02	0.02	NA	NA	0.01	NA	NA	NA	NA
PCB #105	NA	NA	0.05	0.04	0.07	0.05	NA	NA	0.03	NA	NA	NA	NA
PCB #114	NA	NA	0.01	0.01	0.01	0.01	NA	NA	0.01	NA	NA	NA	NA
PCB #118	NA	NA	0.07	0.12	0.15	0.08	NA	NA	0.05	NA	NA	NA	NA
PCB #123	NA	NA	0.00	0.01	0.01	0.01	NA	NA	0.01	NA	NA	NA	NA
PCB #156	NA	NA	0.03	0.02	0.04	0.03	NA	NA	0.03	NA	NA	NA	NA
PCB #157	NA	NA	0.02	0.01	0.02	0.02	NA	NA	0.02	NA	NA	NA	NA
PCB #167	NA	NA	0.01	<0.0005	0.00	0.01	NA	NA	0.01	NA	NA	NA	NA
PCB #189	NA	NA	0.03	0.02	0.03	0.03	NA	NA	0.05	NA	NA	NA	NA
<b>TEQ Total</b>	<b>NA</b>	<b>NA</b>	<b>0.44</b>	<b>0.37</b>	<b>0.47</b>	<b>0.53</b>	<b>NA</b>	<b>NA</b>	<b>0.55</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>
* all values in ng/ampoule													
ND: not detected < than value expected													
NA: not analyzed													

Ash C5

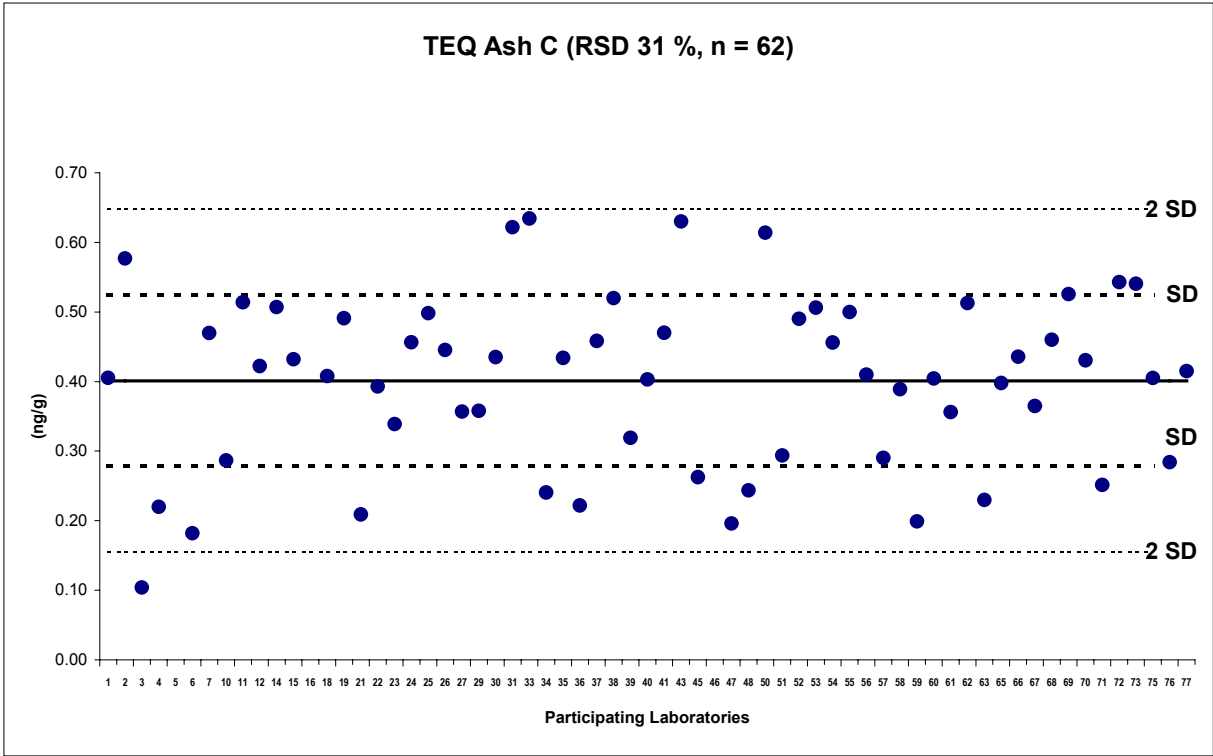
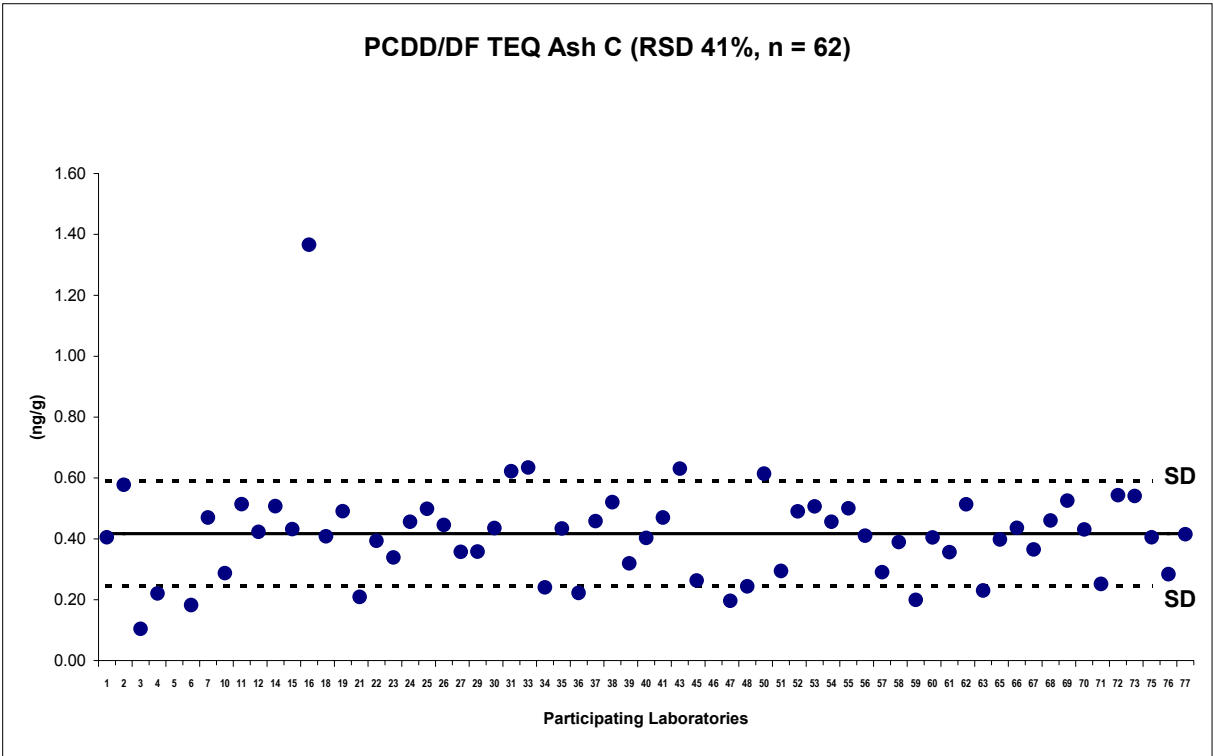
Participant code:						
Weight Analysed:						
	Average	Median	Min	Max	SD	%RSD
2,3,7,8-TeCDD	0.056	0.039	0.000	1.249	0.155	278%
1,2,3,7,8-PeCDD	0.08	0.09	0.01	0.14	0.03	37%
1,2,3,4,7,8-HxCDD	0.06	0.07	0.01	0.12	0.02	38%
1,2,3,6,7,8-HxCDD	0.10	0.11	0.02	0.26	0.05	47%
1,2,3,7,8,9-HxCDD	0.11	0.11	0.02	0.34	0.06	51%
1,2,3,4,6,7,8-HpCDD	1.0	1.1	0.0	2.7	0.4	44%
OCDD	3.6	3.8	0.6	7.6	1.4	38%
2,3,7,8-TeCDF	0.16	0.15	0.04	0.49	0.08	47%
1,2,3,7,8-PeCDF	0.22	0.22	0.04	0.81	0.11	50%
2,3,4,7,8-PeCDF	0.20	0.19	0.04	0.65	0.09	48%
1,2,3,4,7,8-HxCDF	0.28	0.27	0.05	0.79	0.13	48%
1,2,3,6,7,8-HxCDF	0.27	0.29	0.07	0.45	0.09	34%
1,2,3,7,8,9-HxCDF	0.10	0.03	0.01	0.54	0.14	140%
2,3,4,6,7,8-HxCDF	0.34	0.39	0.01	0.78	0.17	52%
1,2,3,4,6,7,8-HpCDF	1.46	1.59	0.01	2.31	0.46	31%
1,2,3,4,7,8,9-HpCDF	0.22	0.22	0.06	1.22	0.14	65%
OCDF	1.85	2.00	0.18	4.30	0.65	35%
<b>TEQ (PCDD/DF)</b>	<b>0.42</b>	<b>0.42</b>	<b>0.10</b>	<b>1.37</b>	<b>0.17</b>	<b>41%</b>
PCB #77	0.39	0.05	0.02	7.80	1.45	375%
PCB #126	0.03	0.03	0.01	0.13	0.02	56%
PCB #169	0.02	0.02	0.005	0.03	0.01	40%
<b>TEQ (including PCBs)</b>	<b>0.41</b>	<b>0.44</b>	<b>0.11</b>	<b>0.63</b>	<b>0.12</b>	<b>29%</b>
Other PCBs (Optional)						
PCB #81	0.02	0.01	0.002	0.12	0.02	106%
PCB #105	0.48	0.07	0.03	13.00	2.25	464%
PCB #114	0.02	0.01	0.01	0.41	0.07	290%
PCB #118	1.66	0.12	0.05	52.00	8.76	527%
PCB #123	0.03	0.01	0.004	0.35	0.07	213%
PCB #156	0.19	0.04	0.02	4.90	0.85	436%
PCB #157	0.05	0.02	0.01	0.78	0.14	313%
PCB #167	0.11	0.02	0.00	2.60	0.48	420%
PCB #189	0.06	0.03	0.004	0.96	0.16	293%
<b>TEQ Total</b>	<b>0.39</b>	<b>0.44</b>	<b>0.00</b>	<b>0.63</b>	<b>0.14</b>	<b>37%</b>

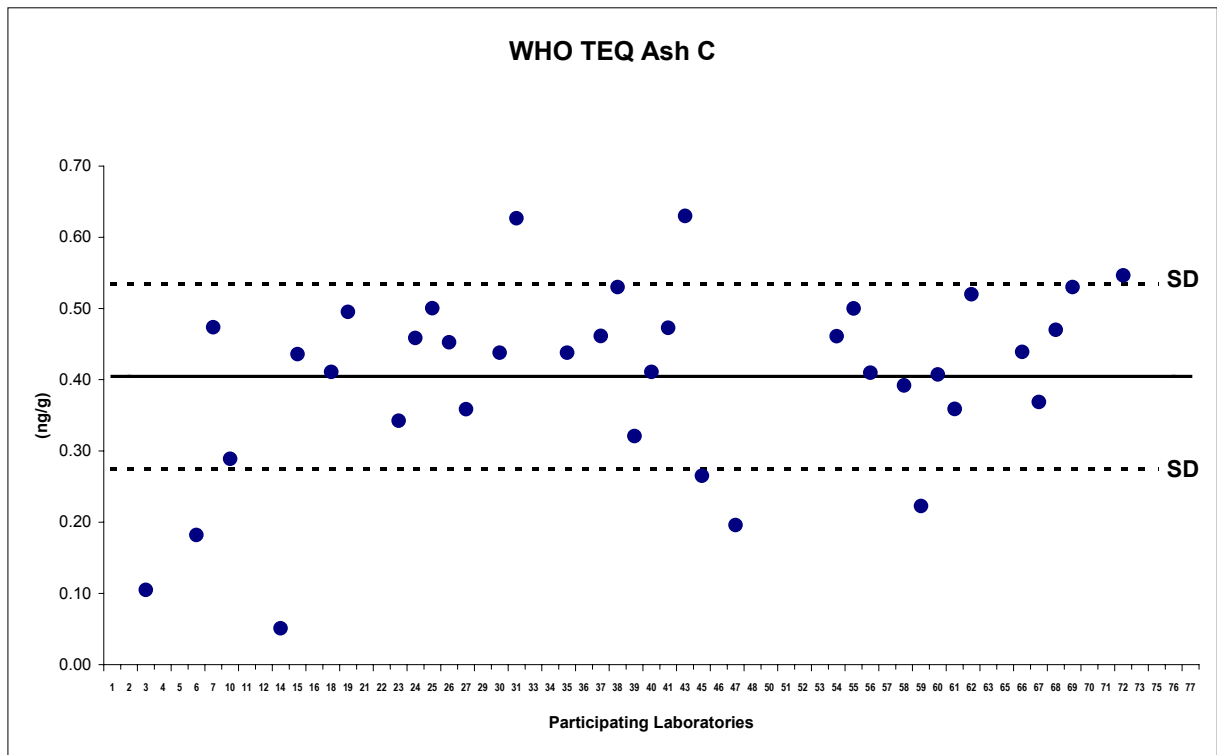
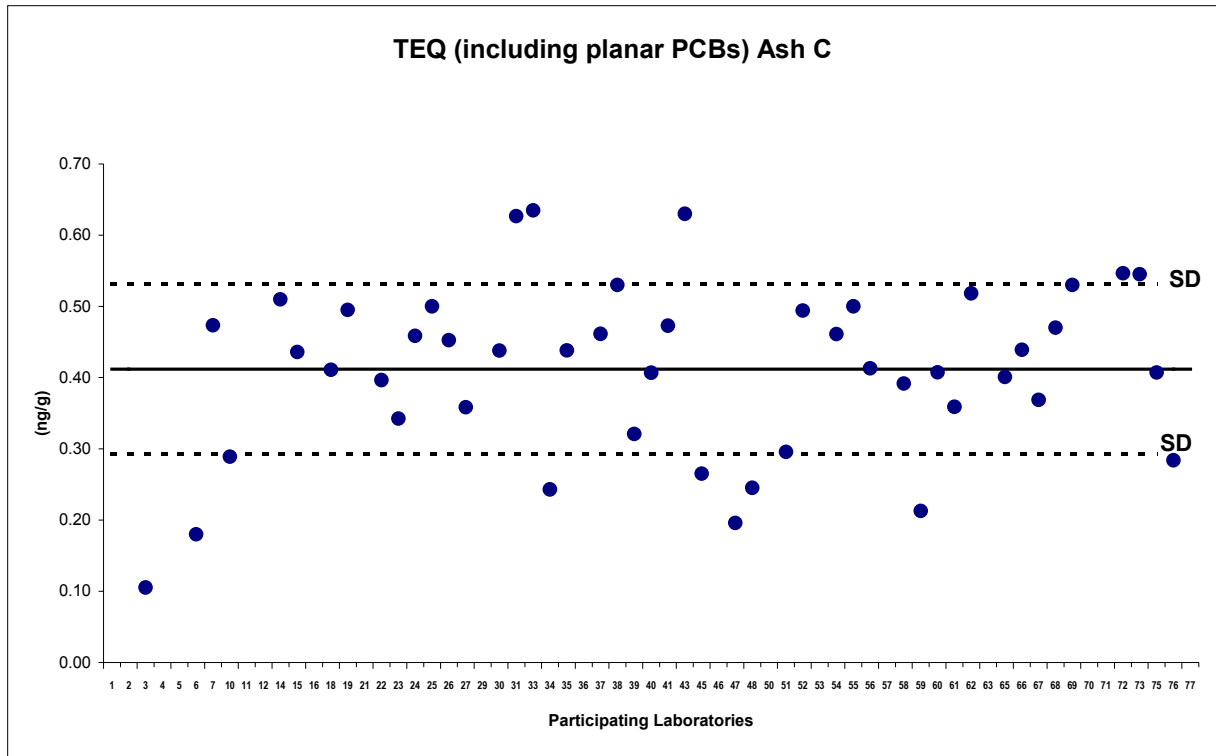
\* all values in ng/ampoule

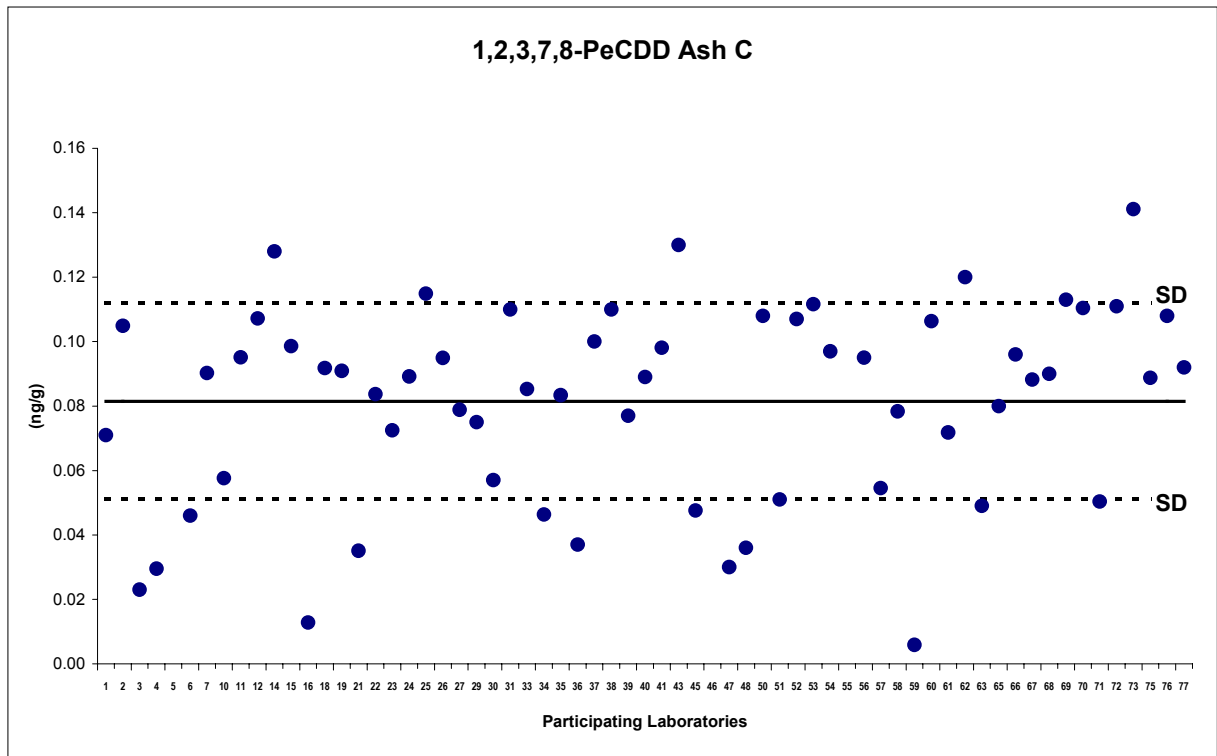
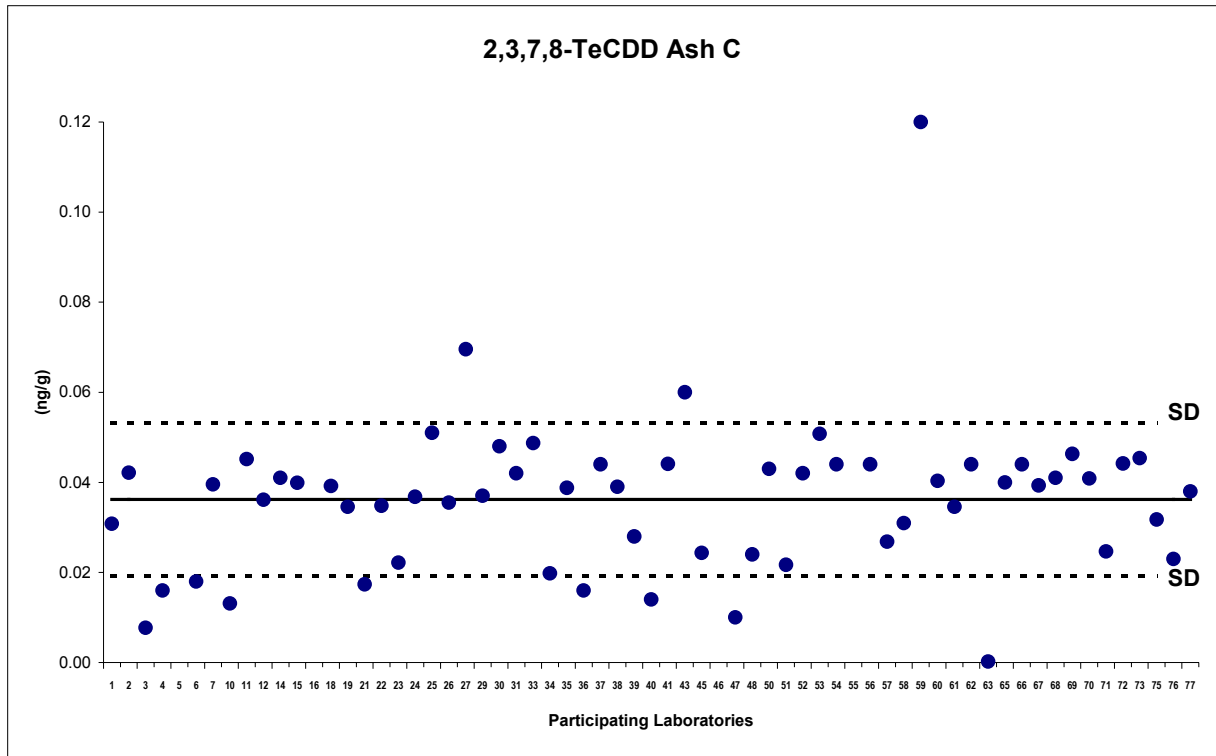
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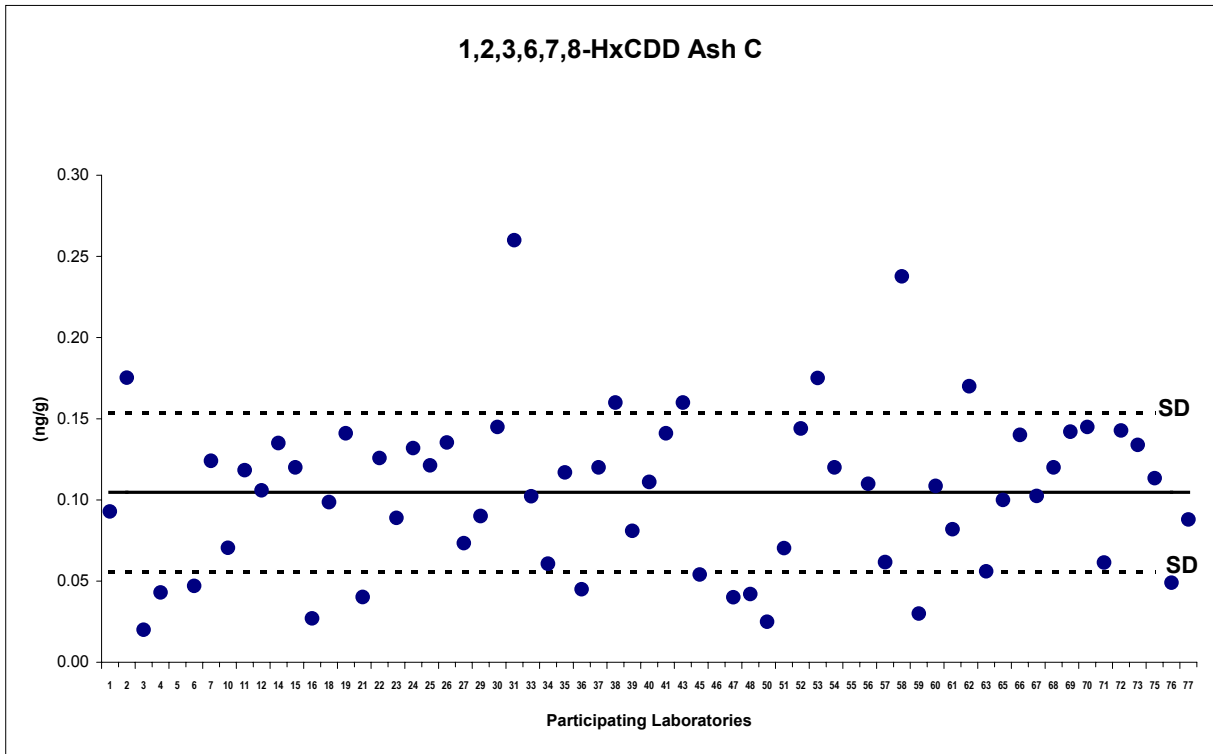
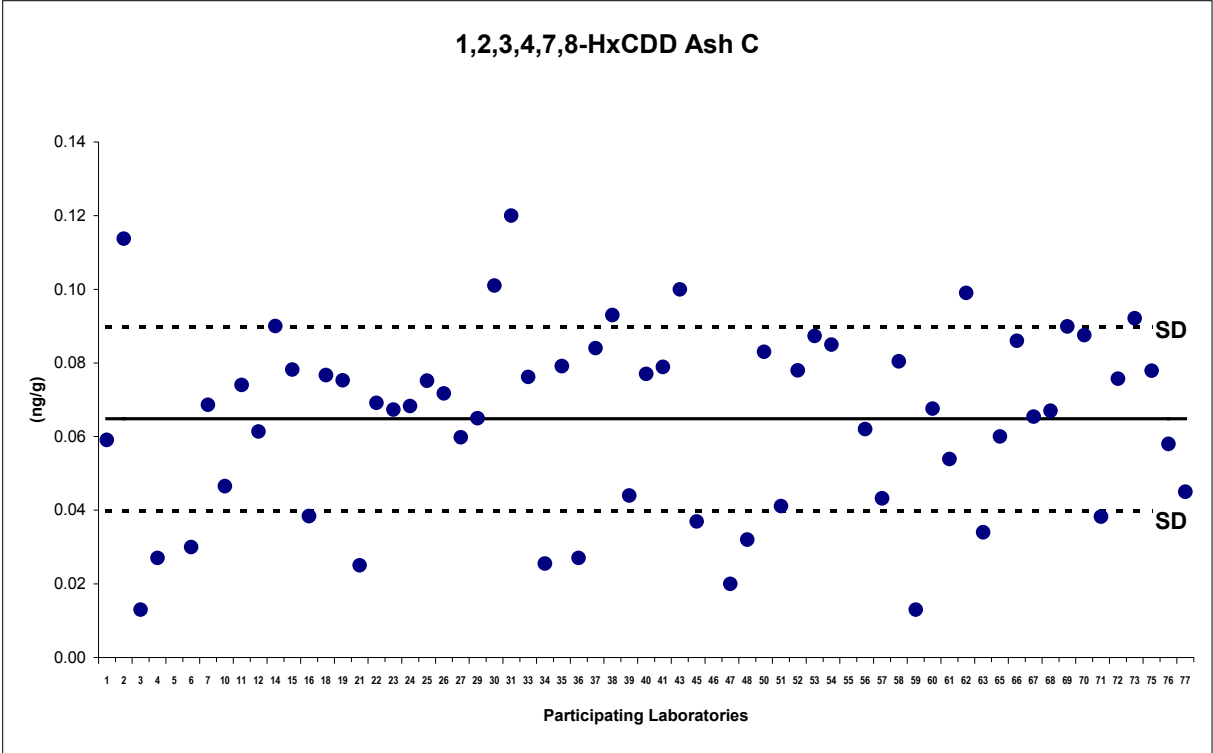
NA: not analyzed

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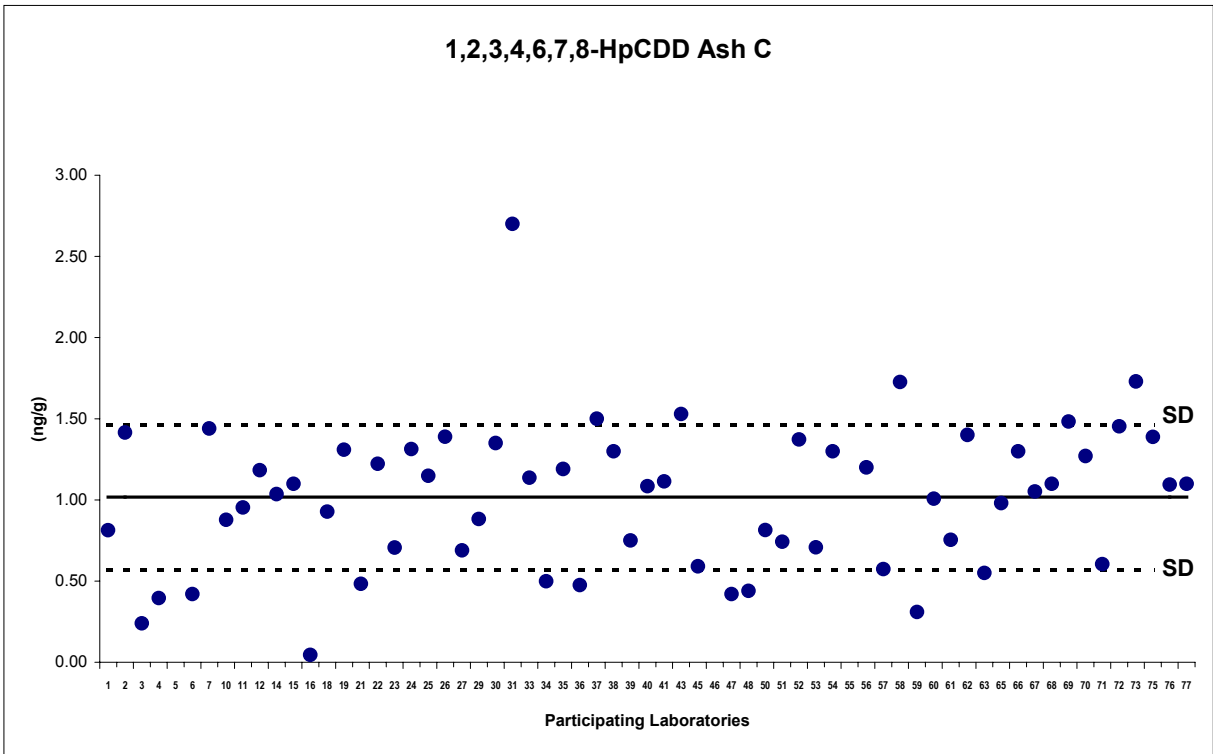
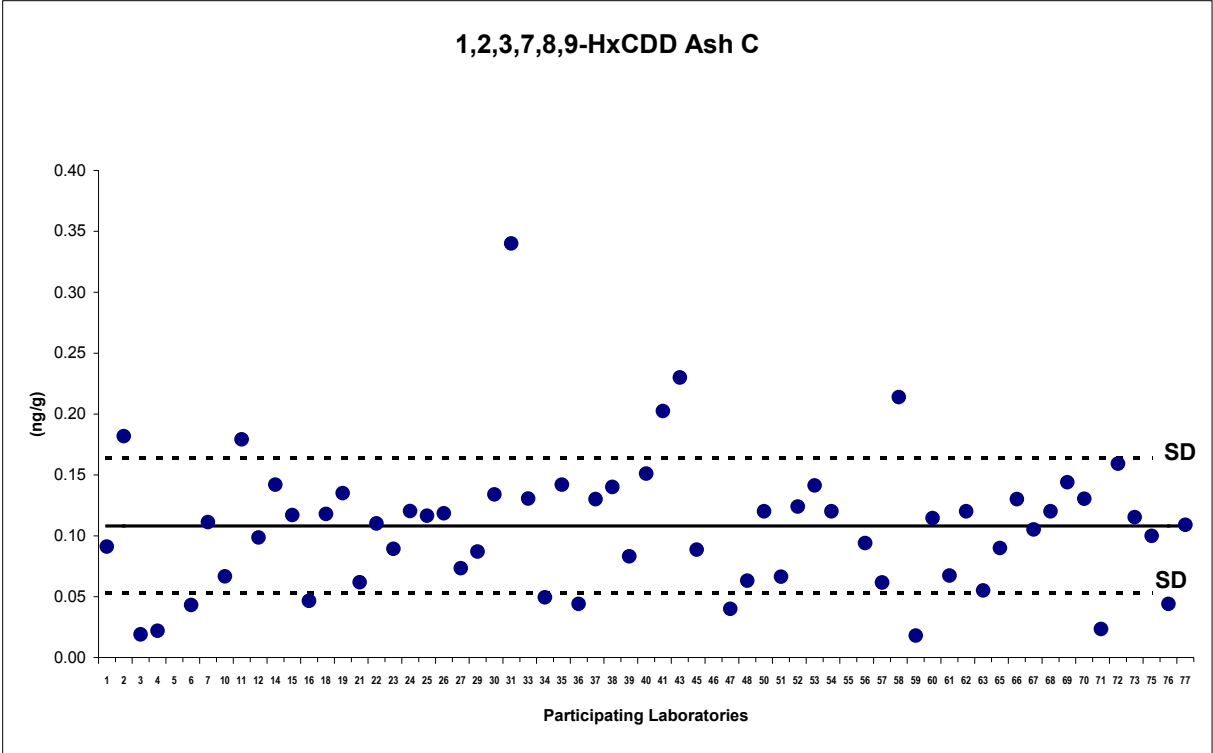


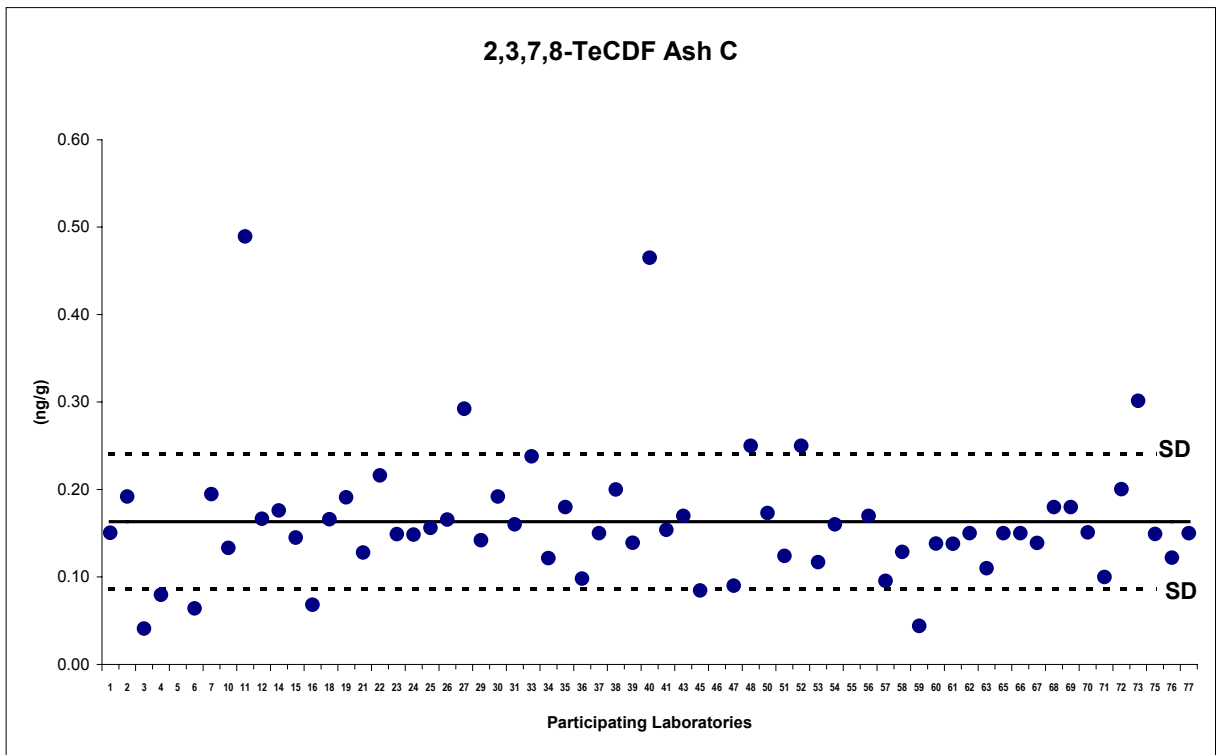
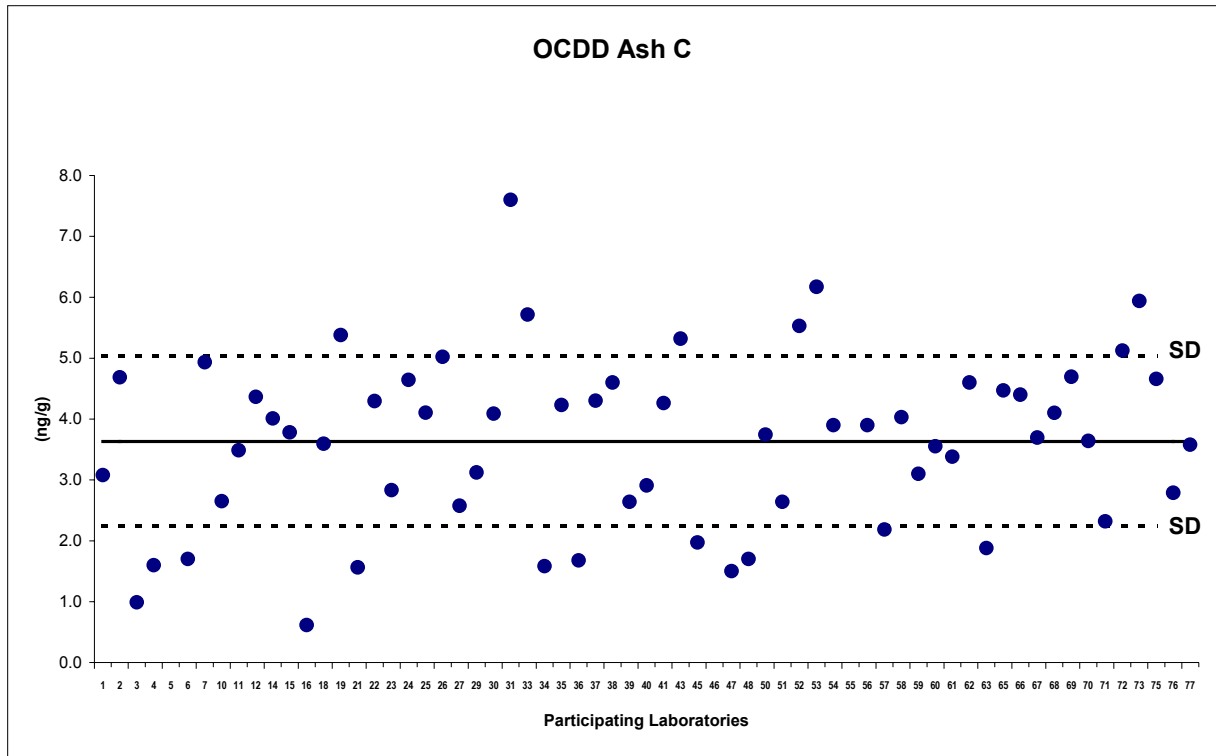


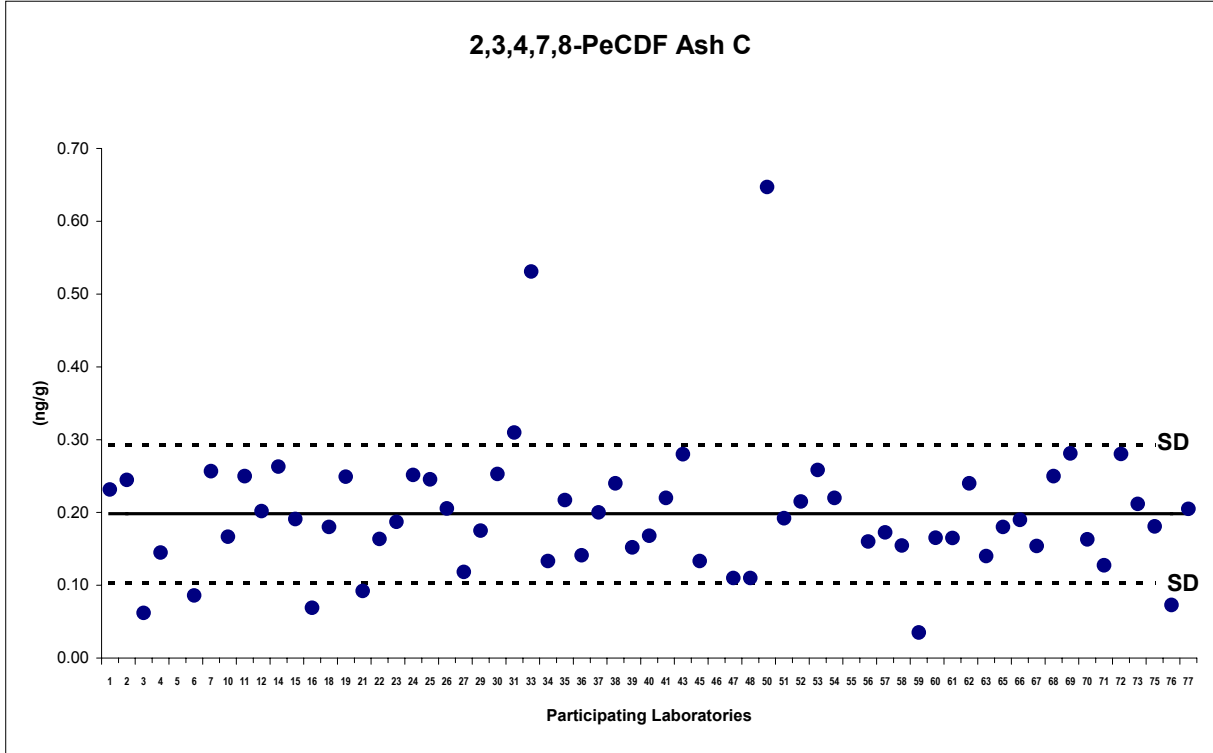
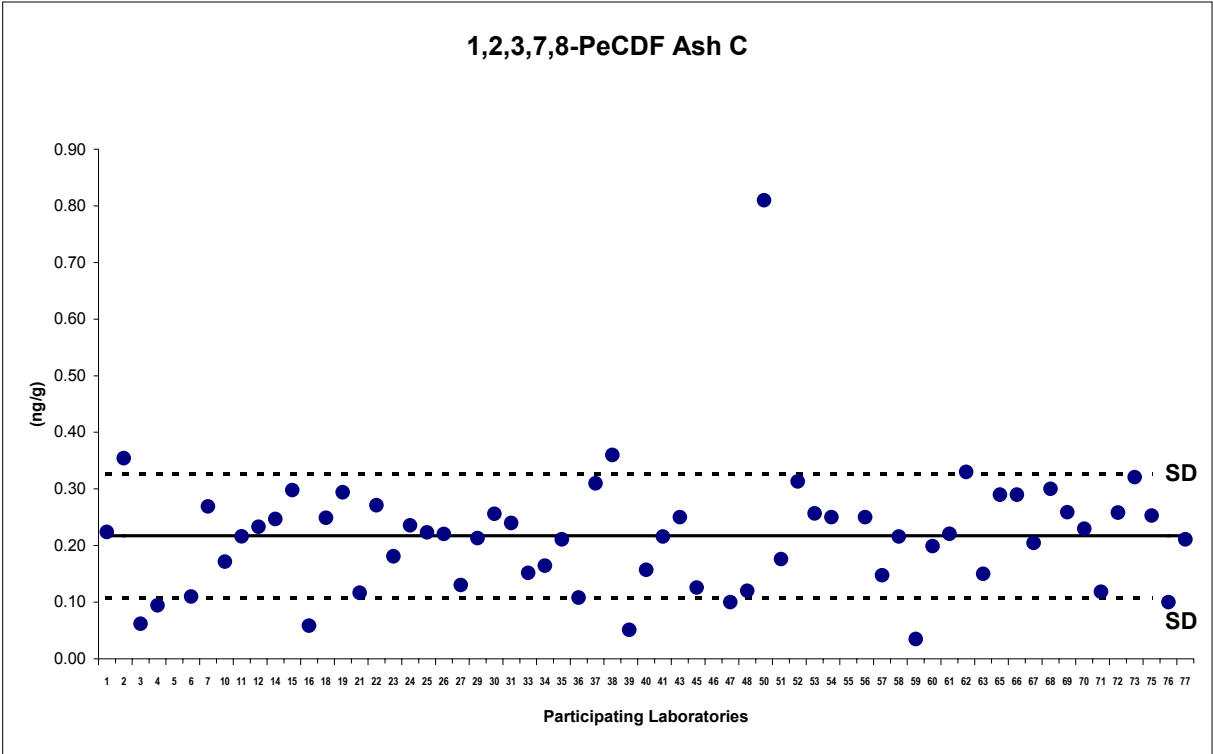


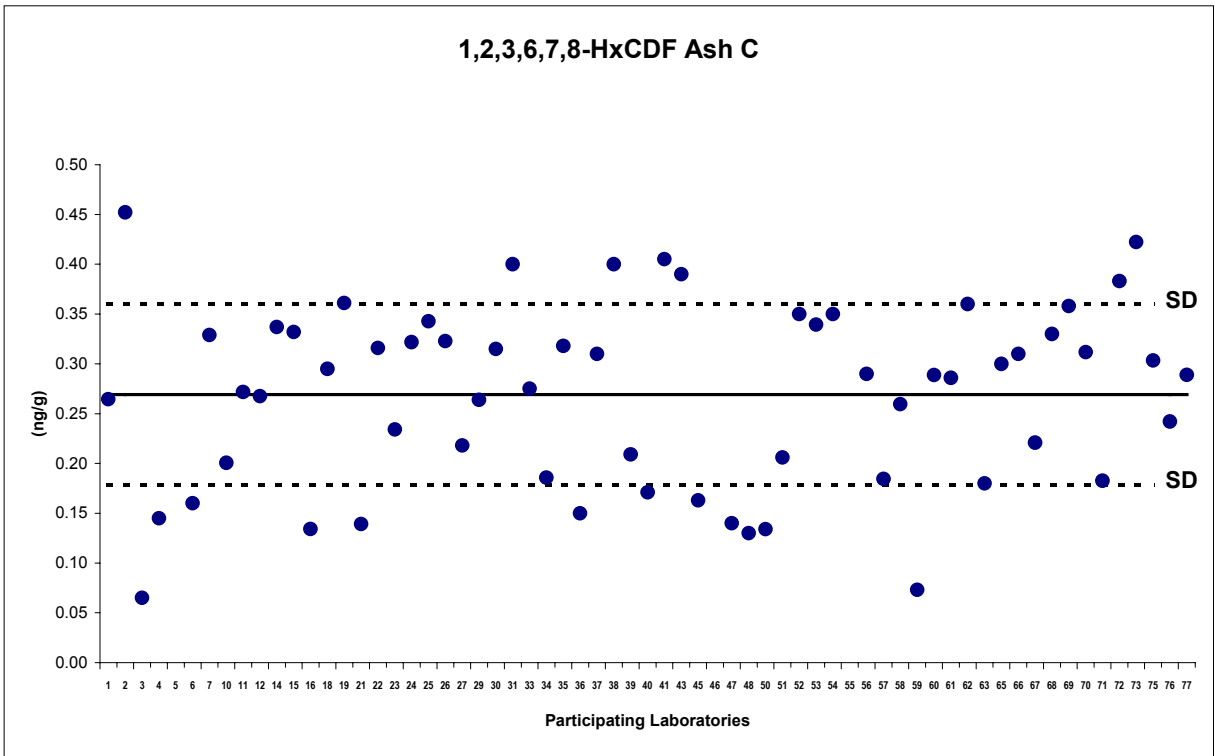
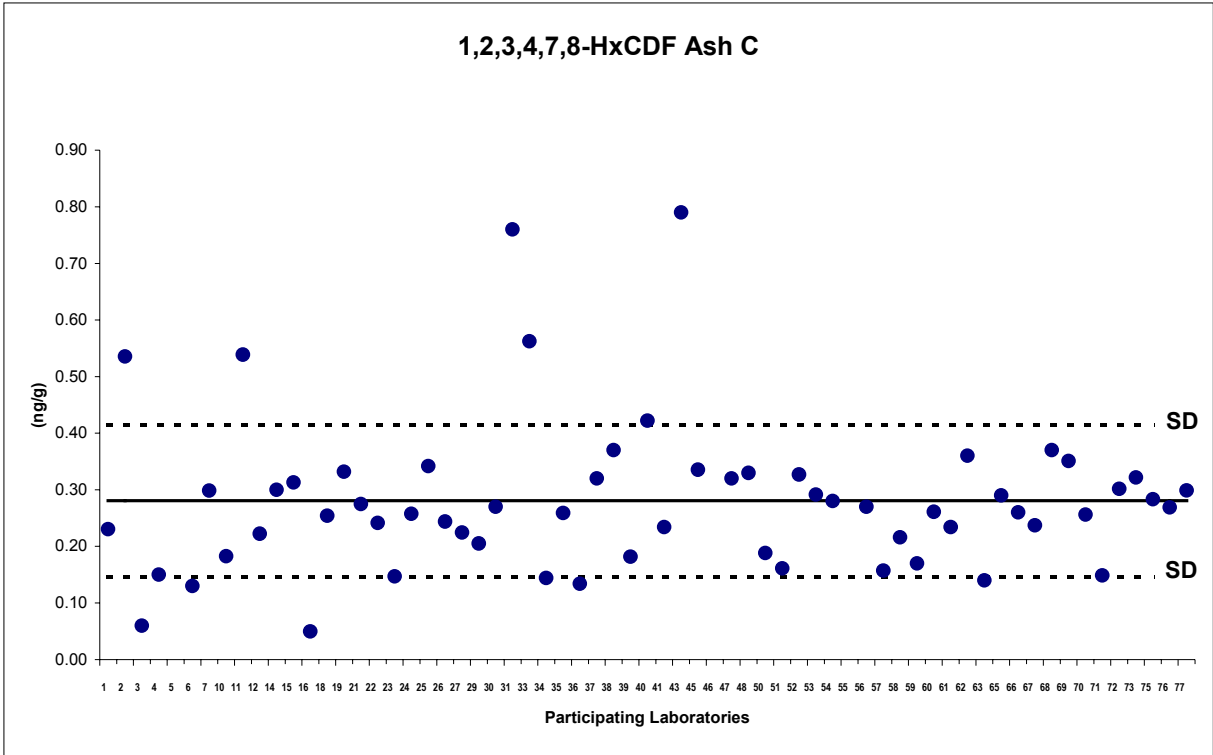


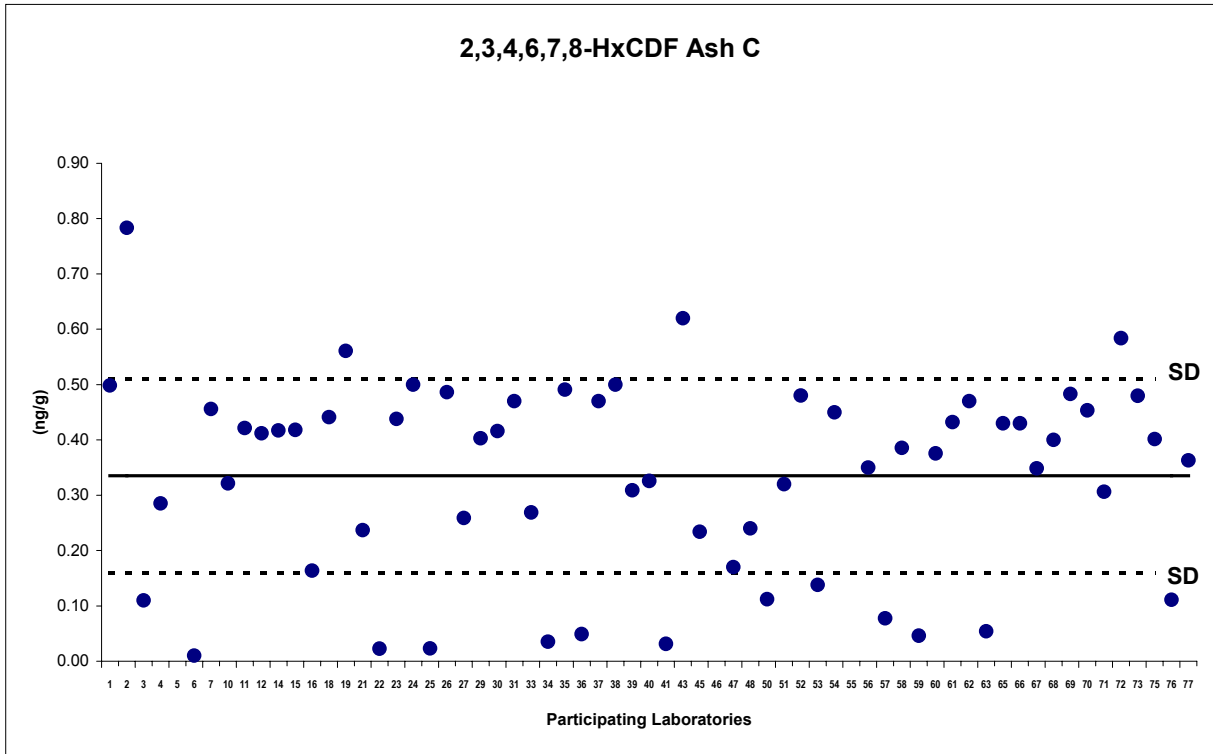
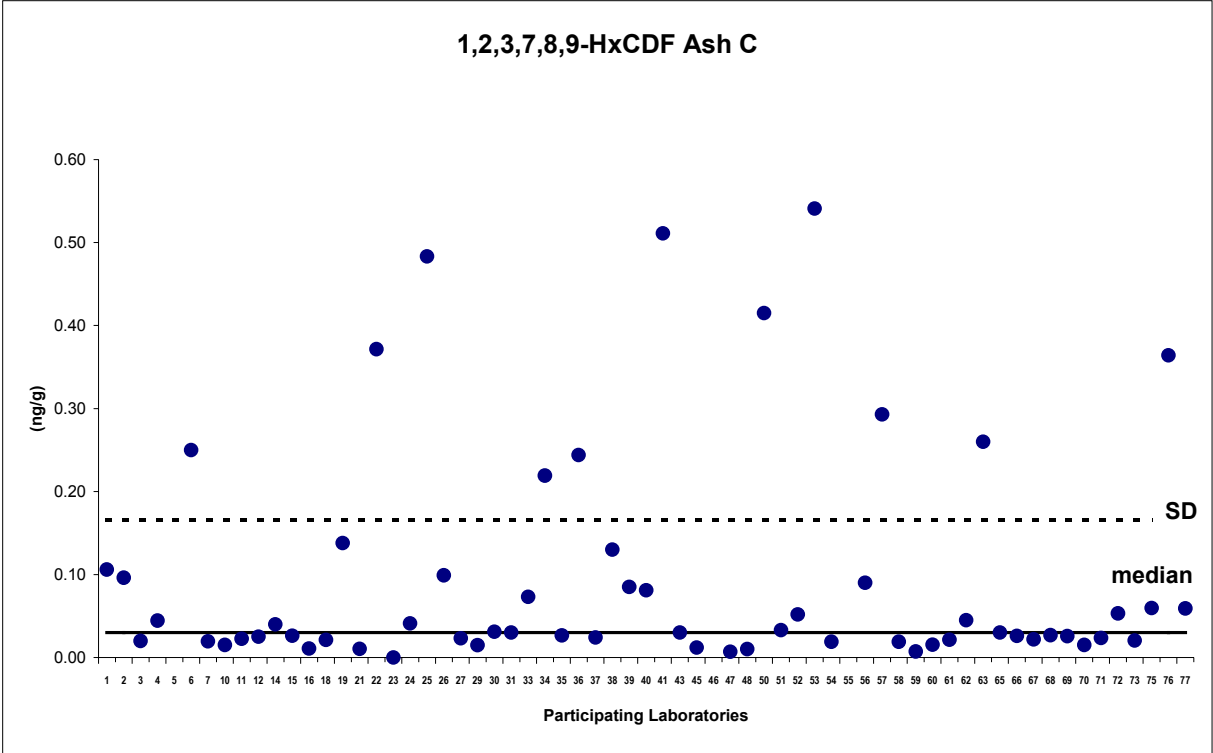


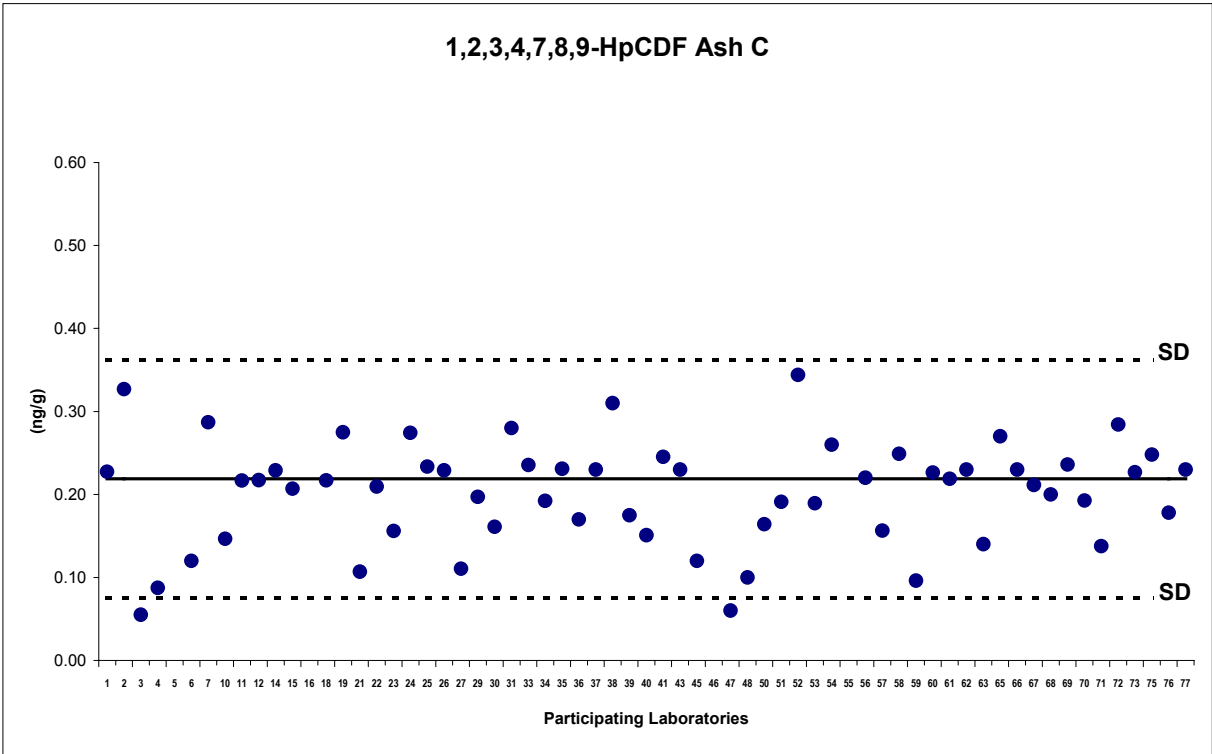
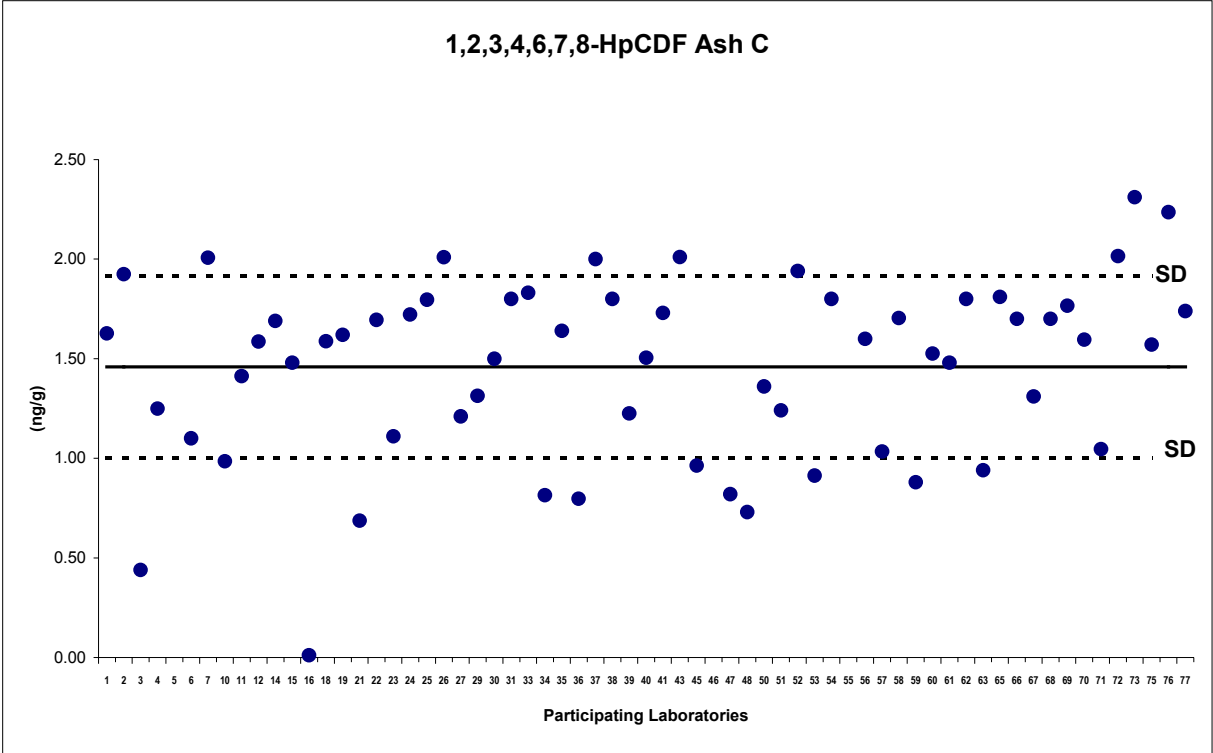


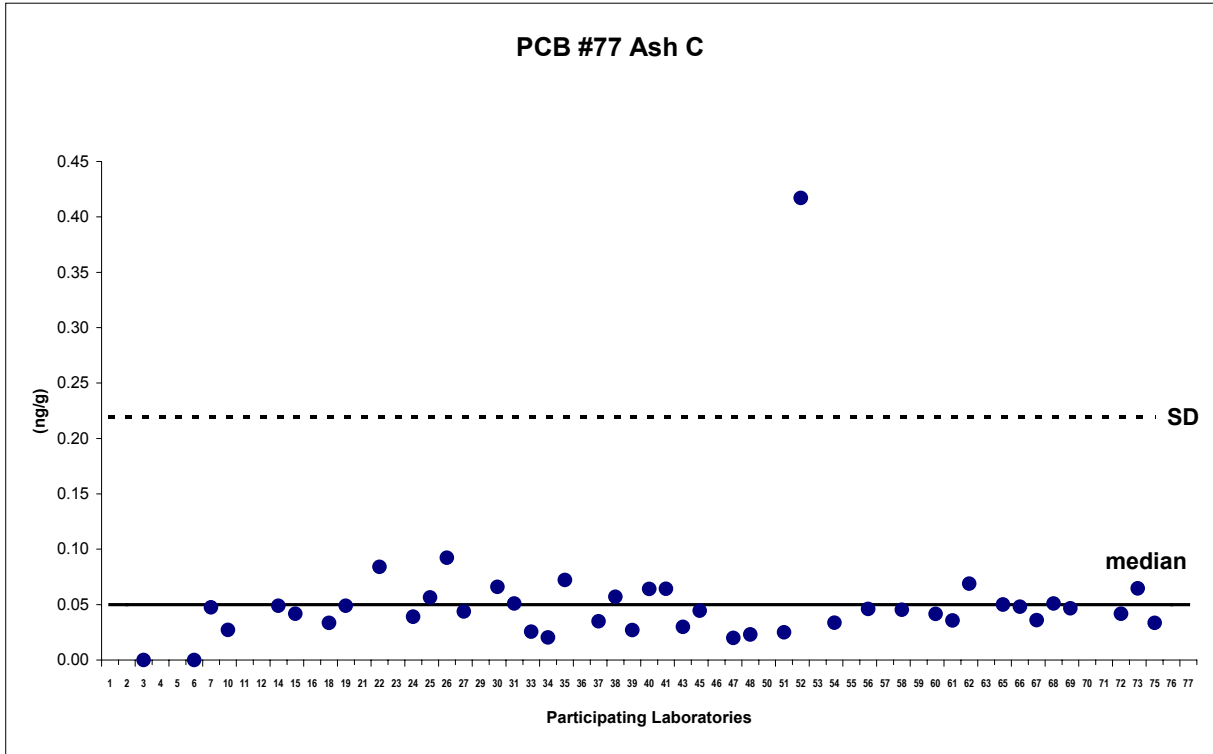
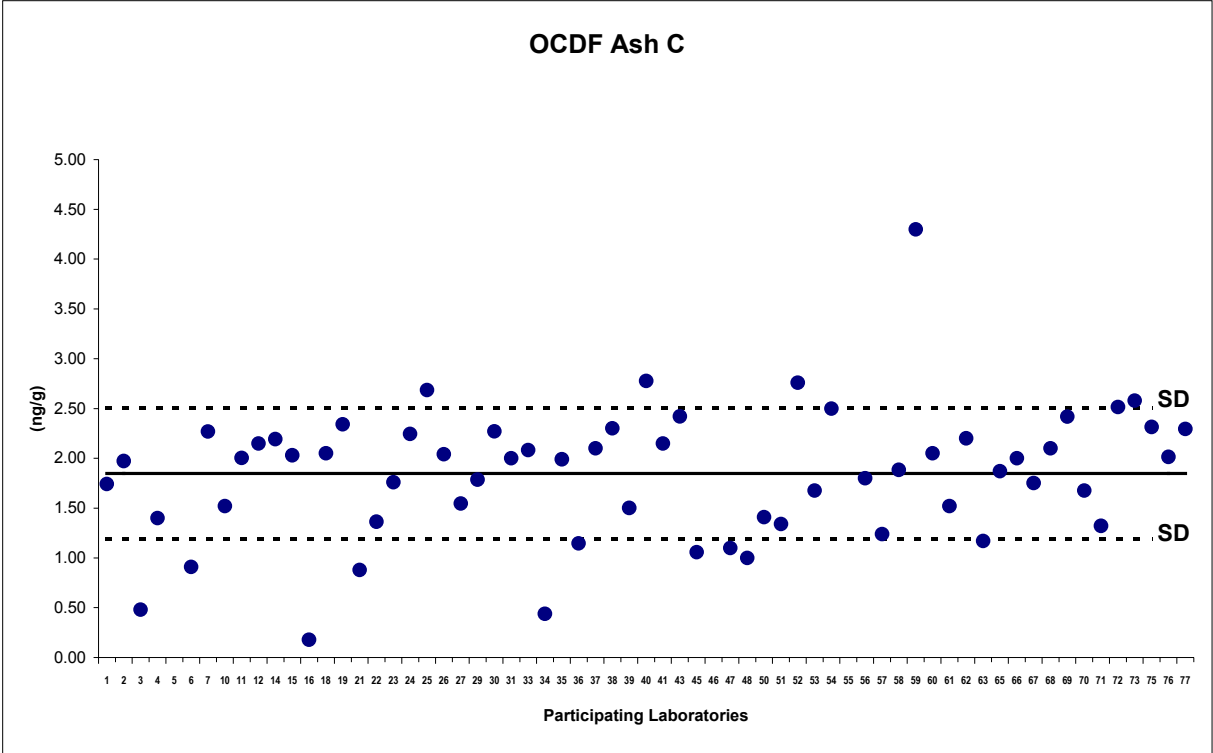


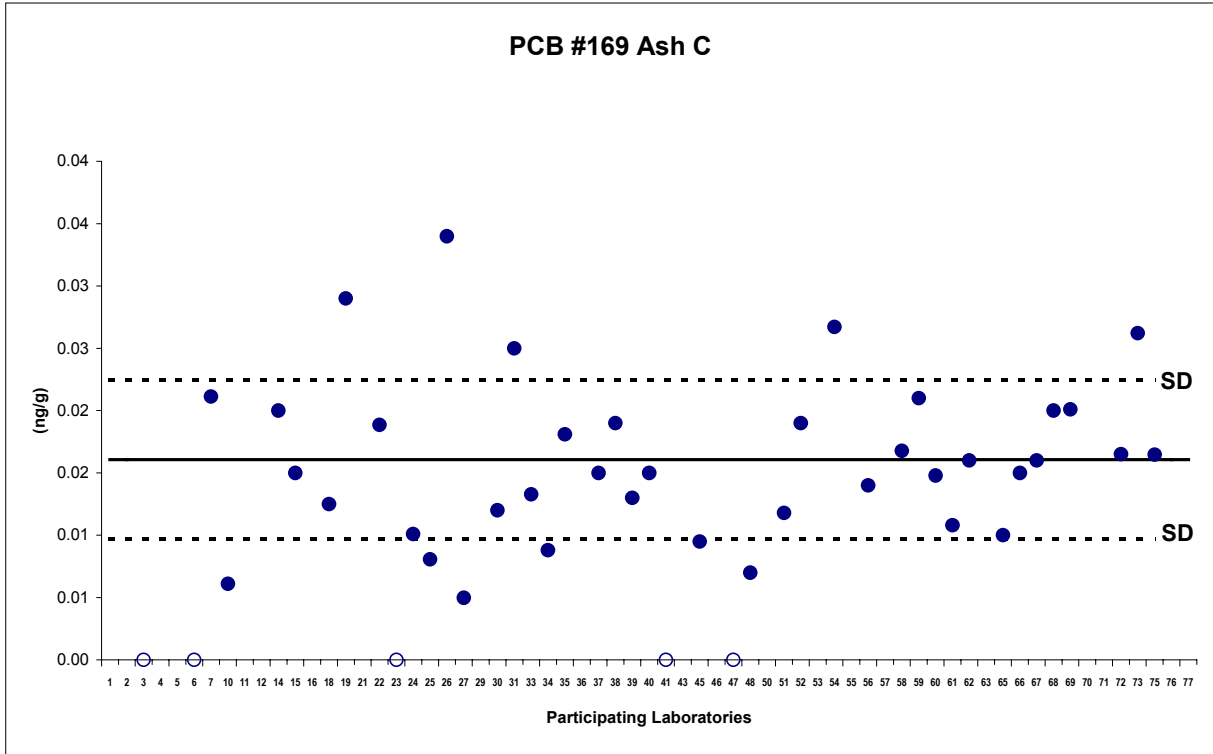
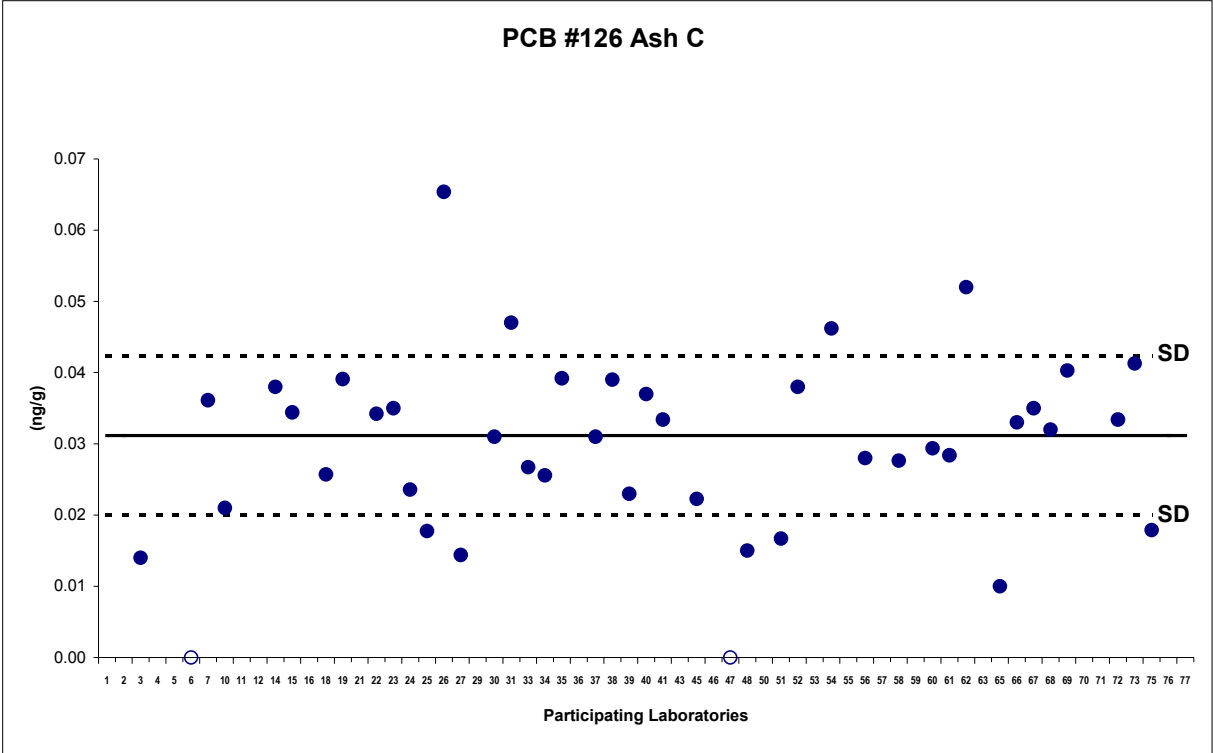




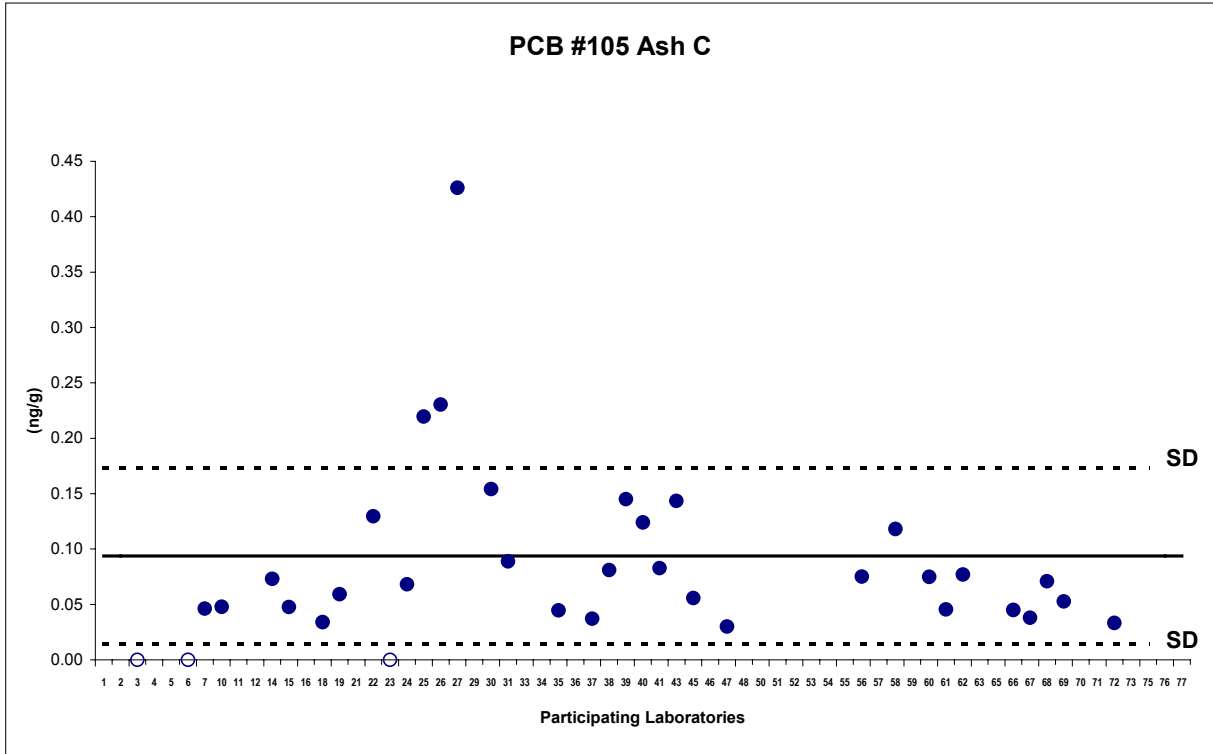
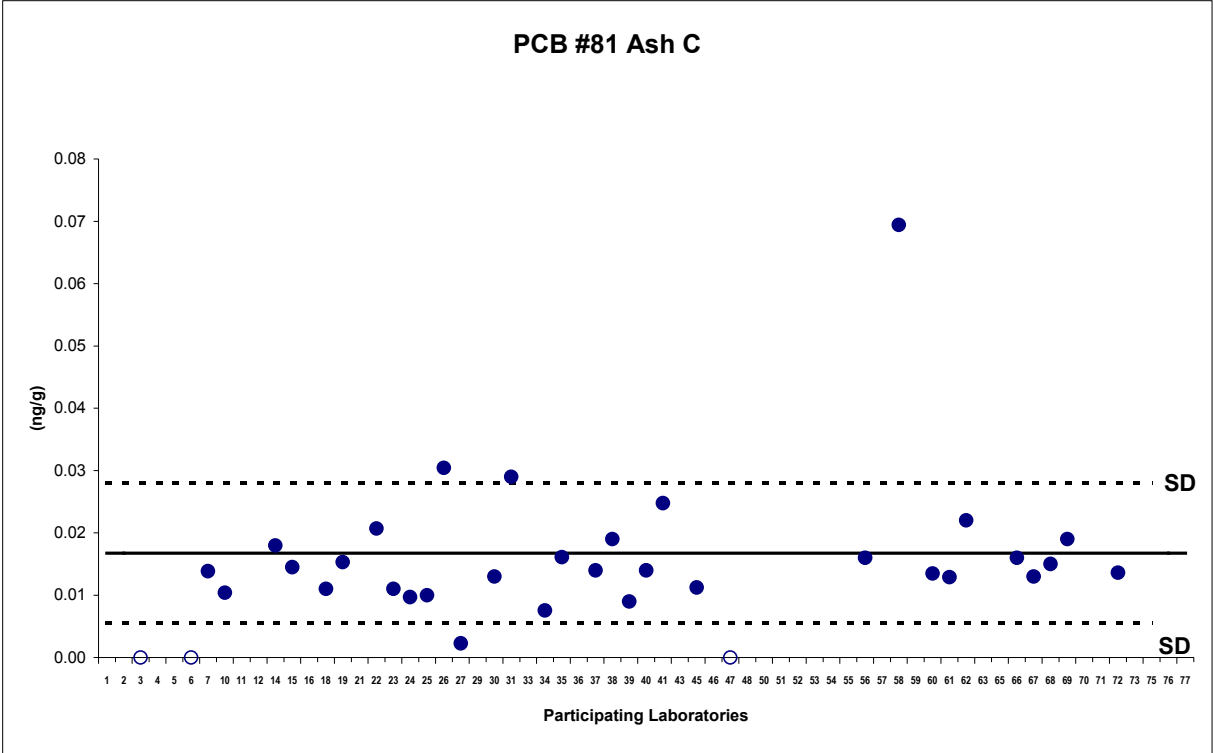


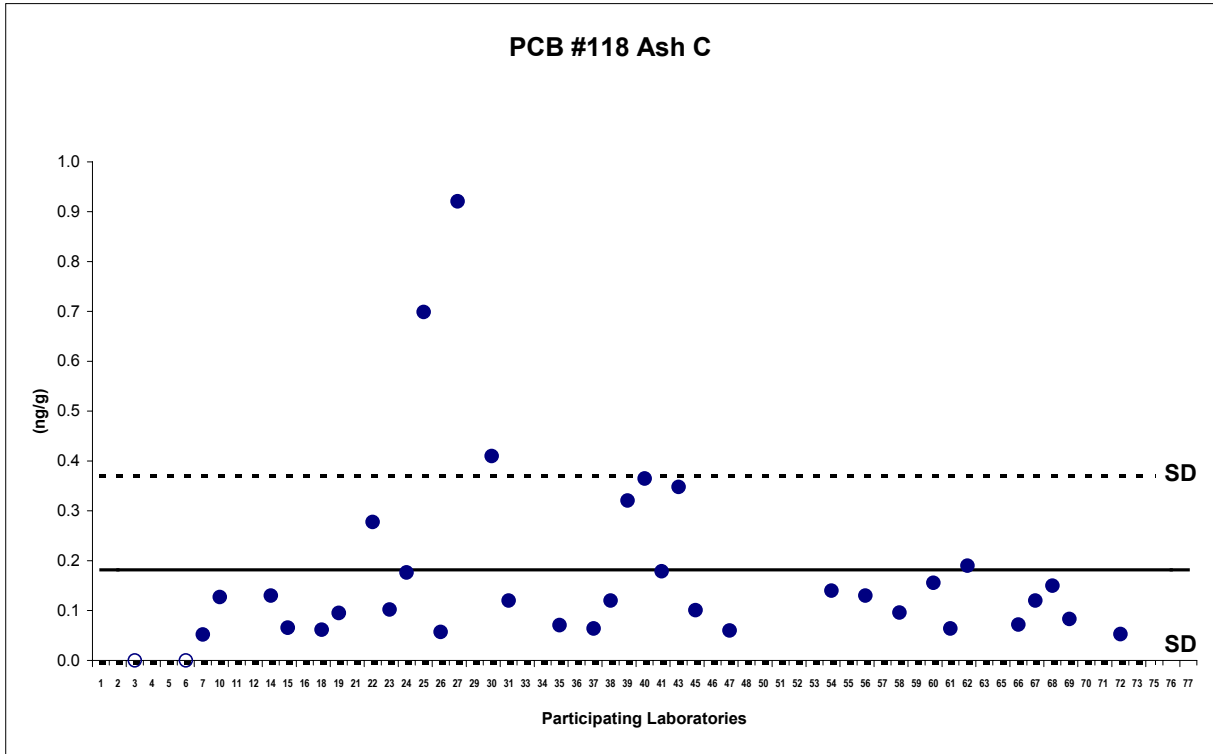
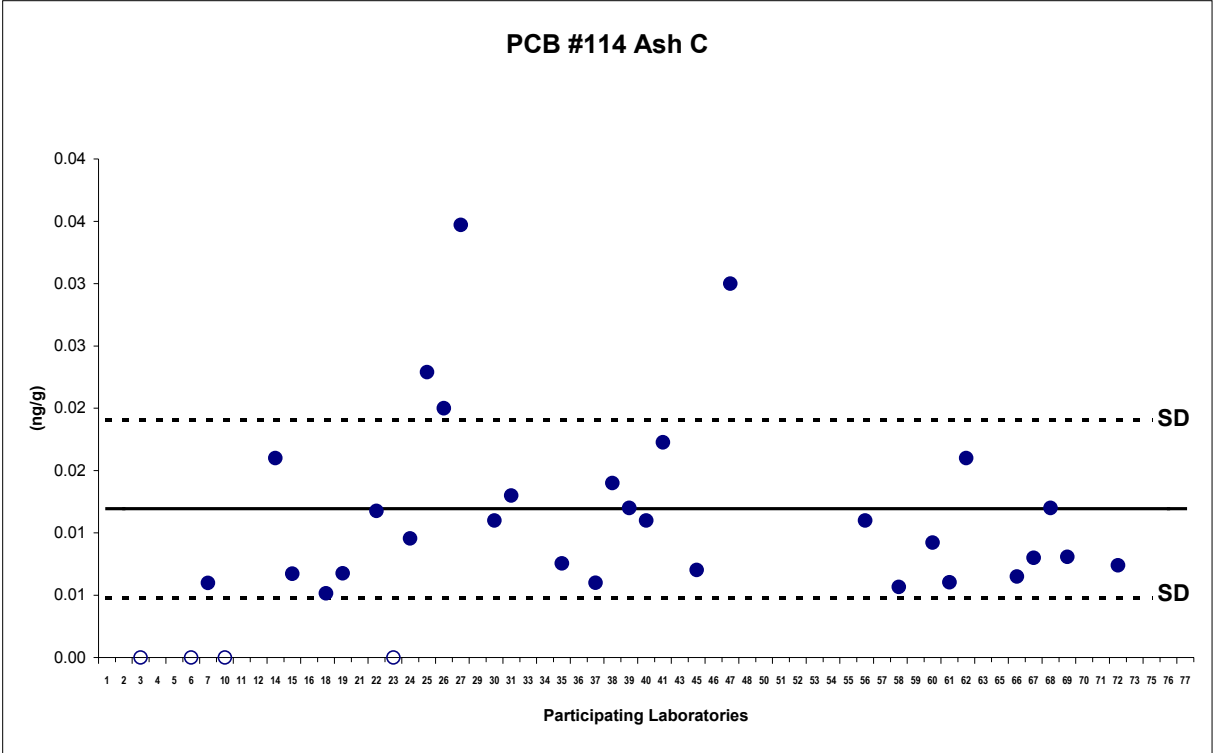


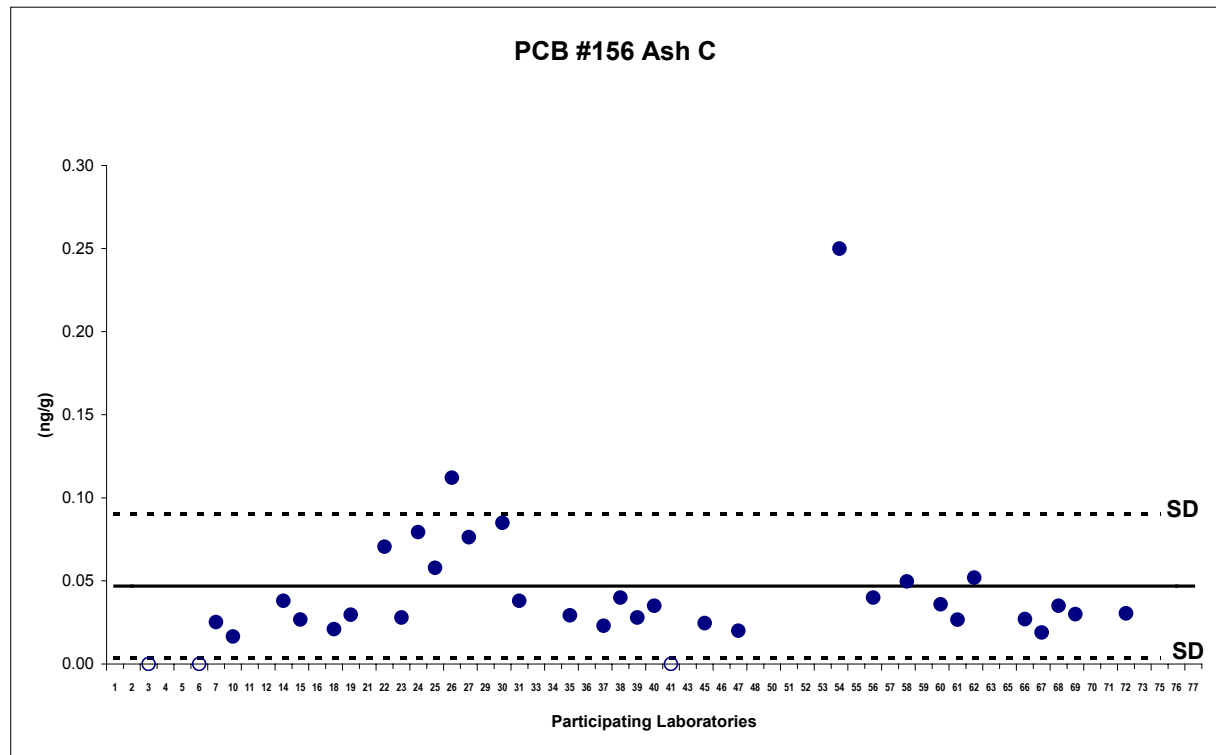
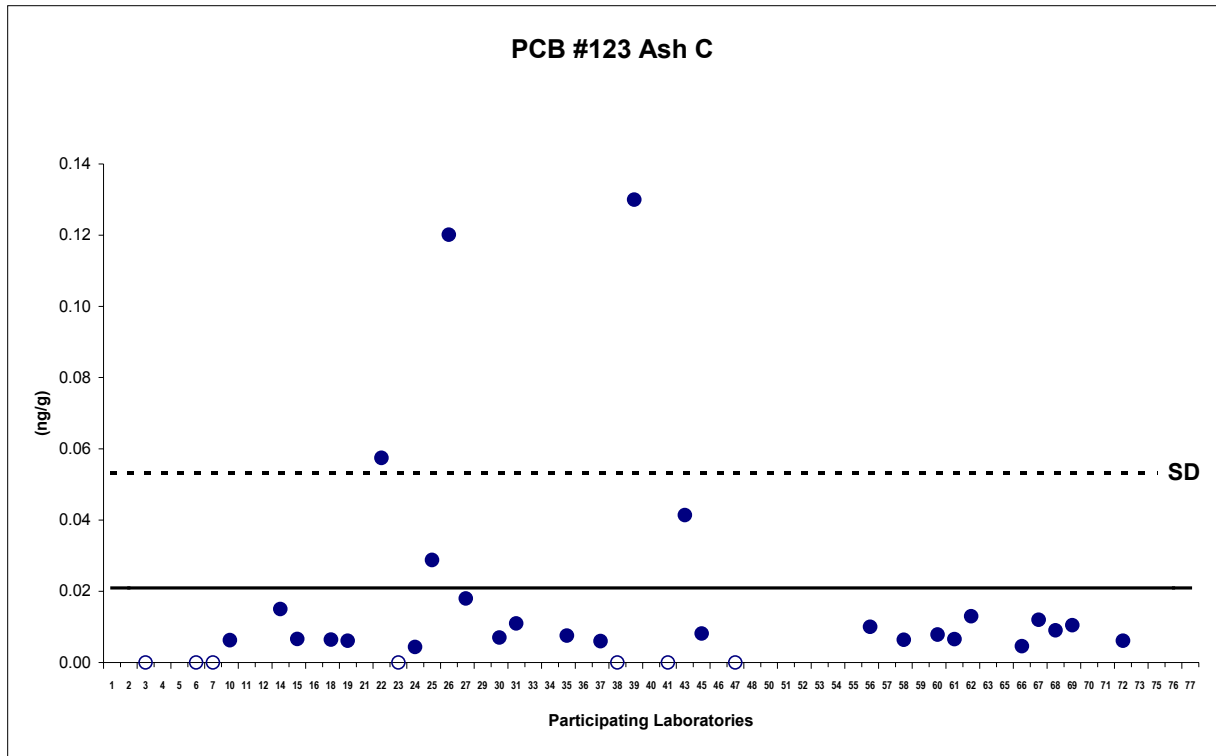


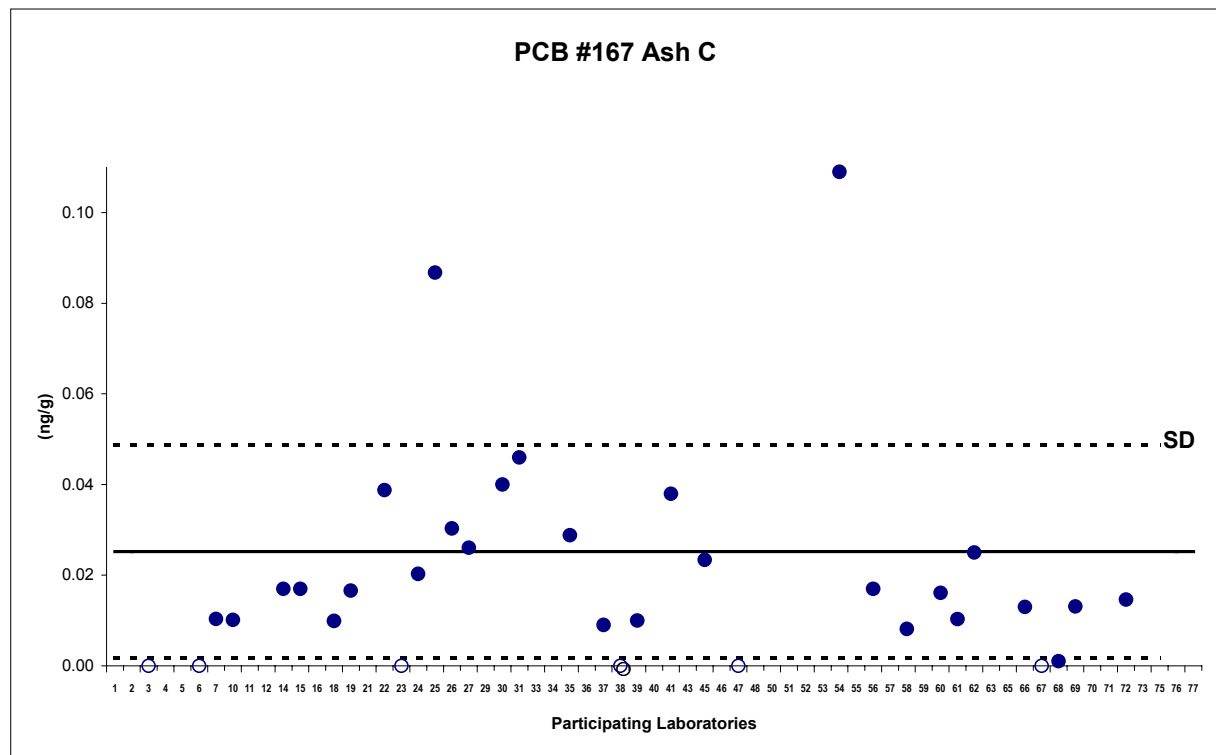
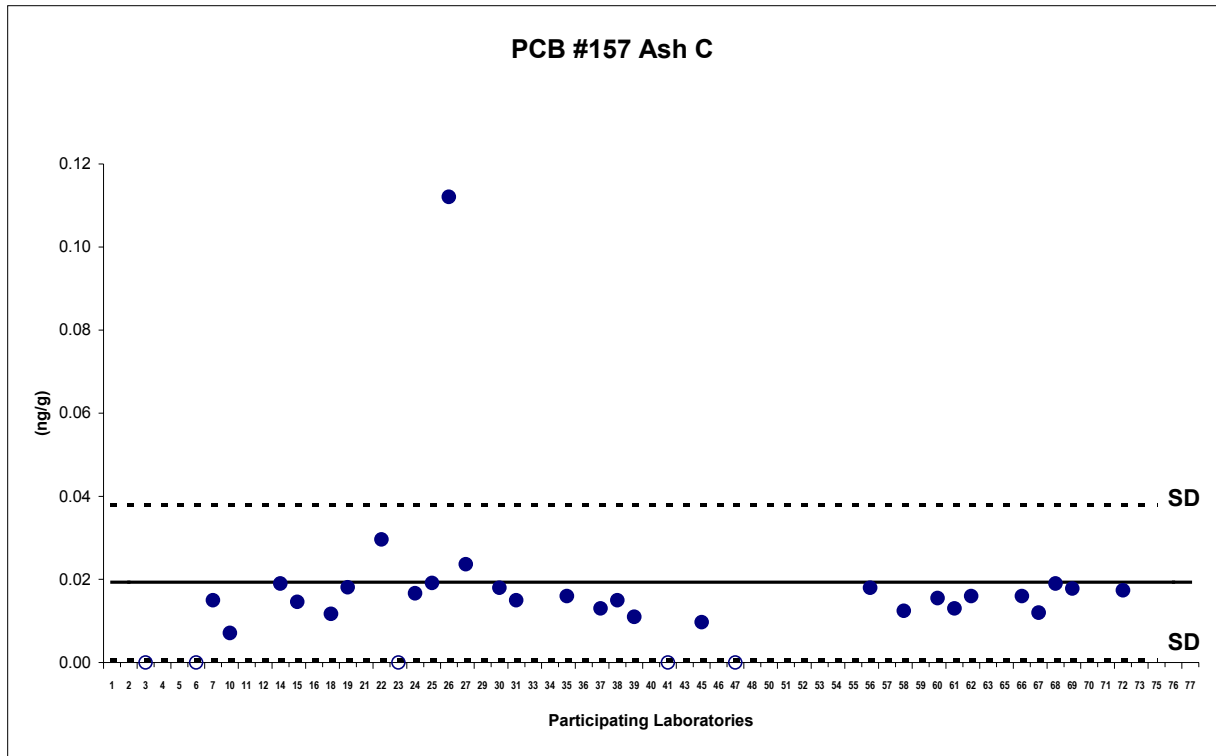


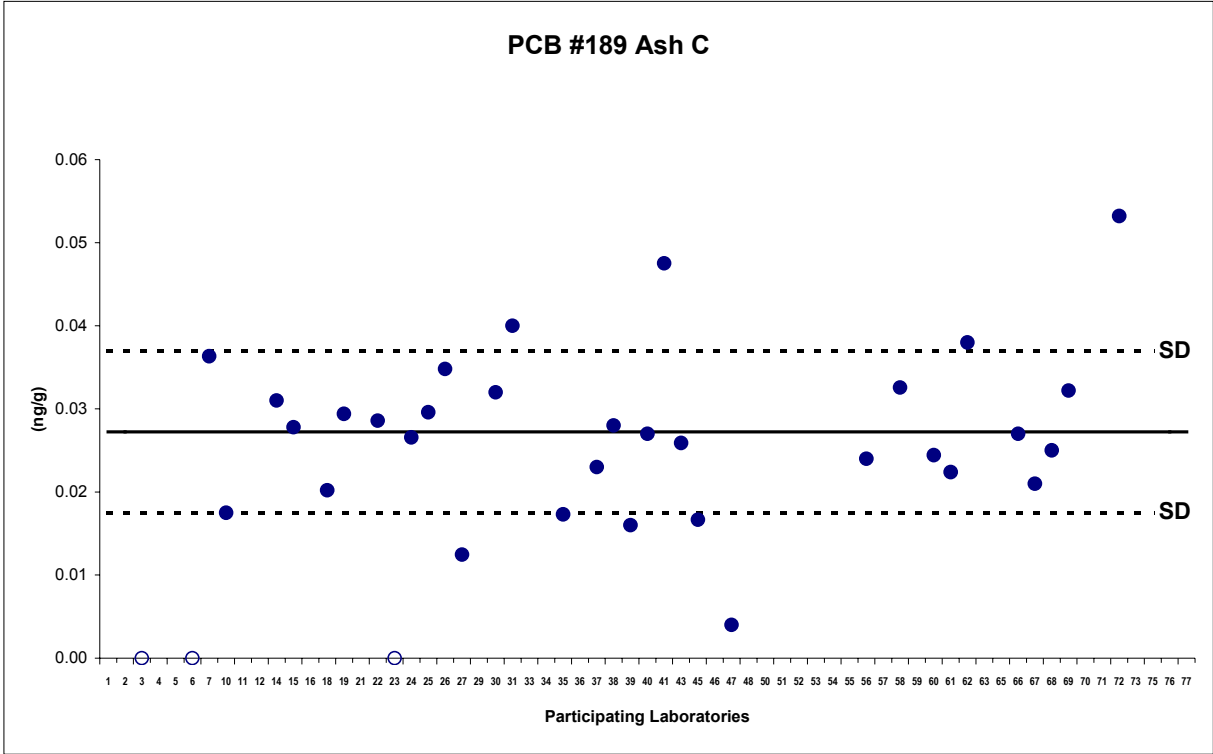












Participant code:	1	4	5	6	7	8	10	11	12	13	14	15	16
Weight Analysed:	10.00	10.00	NA	1.00	30.00	3.92	2.00	NA	SETOC	10.10	5.00	4.91	10.00
2,3,7,8-TeCDD	0.0037	0.004	NA	0.003	0.005	ND	0.006	0.004		0.001	0.004	0.005	0.004
1,2,3,7,8-PeCDD	0.0011	0.001	NA	<0.002	<0.0025	ND	0.001	0.001		0.001	<0.005	0.001	0.001
1,2,3,4,7,8-HxCDD	0.0032	0.002	NA	0.003	0.003	0.005	0.004	0.004		0.001	<0.005	0.003	0.002
1,2,3,6,7,8-HxCDD	0.0183	0.014	NA	0.016	0.016	0.015	0.023	0.016		0.002	0.018	0.014	0.020
1,2,3,7,8,9-HxCDD	0.0051	0.003	NA	<0.009	0.005	ND	0.006	0.007		0.001	0.005	0.005	0.009
1,2,3,4,6,7,8-HpCDD	0.4641	0.54	NA	0.39	0.31	0.40	0.61	0.36		0.11	0.37	0.36	0.49
OCDD	4.9342	5.93	NA	4.10	3.13	3.77	10.07	3.30		1.99	4.21	3.65	1.95
2,3,7,8-TeCDF	0.0033	0.003	NA	0.002	0.004	ND	0.004	0.007		0.006	0.004	0.003	0.005
1,2,3,7,8-PeCDF	0.0024	0.002	NA	0.003	0.003	ND	0.004	0.003		0.002	0.003	0.004	0.002
2,3,4,7,8-PeCDF	0.0038	0.003	NA	0.002	0.004	ND	0.004	0.004		0.001	0.004	0.004	0.003
1,2,3,4,7,8-HxCDF	0.0079	0.006	NA	0.006	0.007	0.013	0.010	0.012		0.002	0.008	0.009	0.004
1,2,3,6,7,8-HxCDF	0.0049	0.003	NA	0.006	0.005	0.007	0.007	0.006		0.001	<0.005	0.005	0.005
1,2,3,7,8,9-HxCDF	0.0021	0.001	NA	0.005	<0.0025	0.005	0.001	0.002		0.000	<0.005	0.001	0.001
2,3,4,6,7,8-HxCDF	0.0082	0.005	NA	<0.001	0.004	ND	0.005	0.005		0.001	0.006	0.004	0.004
1,2,3,4,6,7,8-HpCDF	0.1068	0.12	NA	0.15	0.07	0.10	0.16	0.09		0.02	0.10	0.09	0.13
1,2,3,4,7,8,9-HpCDF	0.0105	0.01	NA	0.01	0.01	0.01	0.01	0.01		0.00	0.01	0.01	0.01
OCDF	0.3632	0.46	NA	0.27	0.30	0.34	0.67	0.32		0.10	0.38	0.37	0.14
<b>TEQ (PCDD/DF)</b>	<b>0.019</b>	<b>0.017</b>	<b>NA</b>	<b>0.018</b>	<b>0.016</b>	<b>0.010</b>	<b>0.025</b>	<b>0.018</b>		<b>0.005</b>	<b>0.017</b>	<b>0.017</b>	<b>0.018</b>
PCB #77	NA	NA	NA	<1	0.29	NA	0.30	NA		NA	0.26	0.22	NA
PCB #126	NA	NA	NA	<0.2	0.019	NA	0.010	NA		NA	0.015	0.010	NA
PCB #169	NA	NA	NA	<0.01	0.003	NA	0.003	NA		NA	<0.010	0.001	NA
<b>TEQ (including PCBs)</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>0.020</b>	<b>0.018</b>	<b>NA</b>	<b>0.026</b>	<b>NA</b>		<b>NA</b>	<b>0.019</b>	<b>0.018</b>	<b>NA</b>
Other PCBs (Optional)													
PCB #81	NA	NA	NA	0.03	0.01	NA	0.04	NA		NA	0.01	0.01	NA
PCB #105	NA	NA	NA	0.44	0.42	NA	0.57	NA		NA	0.46	0.39	NA
PCB #114	NA	NA	NA	0.01	0.02	NA	0.03	NA		NA	0.03	0.01	NA
PCB #118	NA	NA	NA	2.00	1.83	NA	2.24	NA		NA	2.12	1.91	NA
PCB #123	NA	NA	NA	0.23	0.21	NA	0.16	NA		NA	0.08	0.02	NA
PCB #156	NA	NA	NA	0.19	0.27	NA	0.38	NA		NA	0.32	0.30	NA
PCB #157	NA	NA	NA	0.04	0.05	NA	0.07	NA		NA	0.05	0.04	NA
PCB #167	NA	NA	NA	0.54	0.16	NA	0.12	NA		NA	0.16	0.22	NA
PCB #189	NA	NA	NA	0.02	0.07	NA	0.08	NA		NA	0.07	0.05	NA
<b>TEQ Total</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>0.019</b>	<b>0.018</b>	<b>NA</b>	<b>0.026</b>	<b>NA</b>		<b>NA</b>	<b>0.021</b>	<b>0.019</b>	<b>NA</b>

\* all values in ng/g  
ND: not detected < than value expected  
NA: not analyzed

Participant code:	17	19	20	21	22	23	24	25	26	29	30	31	32
Weight Analysed:	10.02	10.22	NA	NA	40.00	5.00	9.04	10.10	5.00	10.00	5.00	7.32	10.93
2,3,7,8-TeCDD	0.005	0.003	NA	0.005	0.005	0.004	0.006	0.005	0.004	0.004	0.005	0.005	0.004
1,2,3,7,8-PeCDD	0.001	0.001	NA	0.001	0.010	<0.003	0.004	0.002	0.012	0.001	0.001	0.002	0.002
1,2,3,4,7,8-HxCDD	0.004	0.003	NA	0.003	0.049	0.007	0.009	0.003	0.051	0.003	0.002	0.004	0.003
1,2,3,6,7,8-HxCDD	0.019	0.016	NA	0.015	0.045	0.018	0.025	0.018	0.045	0.016	0.011	0.018	0.015
1,2,3,7,8,9-HxCDD	0.006	0.005	NA	0.006	0.040	0.012	0.014	0.006	0.042	0.004	0.003	0.005	0.004
1,2,3,4,6,7,8-HpCDD	0.47	0.35	NA	0.51	1.22	0.35	0.58	0.39	0.97	0.37	0.34	0.41	0.40
OCDD	4.94	4.36	NA	4.47	5.55	4.36	6.44	3.21	4.40	4.49	3.46	4.70	4.46
2,3,7,8-TeCDF	0.004	0.004	NA	0.004	0.007	0.004	0.004	0.004	0.006	0.004	0.003	0.003	0.004
1,2,3,7,8-PeCDF	0.004	0.003	NA	0.003	0.006	<0.002	0.005	0.002	0.007	0.004	0.002	0.003	0.003
2,3,4,7,8-PeCDF	0.003	0.004	NA	0.003	0.007	0.005	0.006	0.004	0.009	0.004	0.003	0.004	0.003
1,2,3,4,7,8-HxCDF	0.009	0.008	NA	0.013	0.013	0.014	0.011	0.013	0.012	0.009	0.004	0.014	0.008
1,2,3,6,7,8-HxCDF	0.006	0.006	NA	0.006	0.009	0.004	0.008	0.005	0.012	0.007	0.004	0.006	0.006
1,2,3,7,8,9-HxCDF	0.006	0.007	NA	0.001	0.013	<0.005	0.005	0.004	0.012	<0.001	<0.001	0.002	0.002
2,3,4,6,7,8-HxCDF	0.005	0.003	NA	0.008	0.010	0.008	0.014	0.001	0.030	0.019	0.003	0.005	ND
1,2,3,4,6,7,8-HpCDF	0.12	0.09	NA	0.10	0.11	0.08	0.13	0.09	0.09	0.10	0.07	0.11	0.07
1,2,3,4,7,8,9-HpCDF	0.01	0.01	NA	0.01	0.02	0.02	0.02	0.01	0.03	0.01	0.005	0.01	0.01
OCDF	0.43	0.34	NA	0.31	0.23	0.48	0.41	0.40	0.04	0.40	0.29	0.37	0.38
<b>TEQ (PCDD/DF)</b>	<b>0.021</b>	<b>0.017</b>	<b>NA</b>	<b>0.019</b>	<b>0.050</b>	<b>0.018</b>	<b>0.030</b>	<b>0.019</b>	<b>0.054</b>	<b>0.015</b>	<b>0.015</b>	<b>0.021</b>	<b>0.017</b>
PCB #77	0.22	0.26	NA	NA	0.19	0.29	0.28	0.26	0.22	NA	0.28	0.25	0.27
PCB #126	0.010	0.012	NA	NA	0.008	0.007	0.012	0.011	0.010	NA	0.008	0.011	0.012
PCB #169	0.002	<0.01	NA	NA	0.001	<0.003	0.002	0.002	0.006	NA	0.002	0.002	0.002
<b>TEQ (including PCBs)</b>	<b>0.023</b>	<b>0.018</b>	<b>NA</b>	<b>NA</b>	<b>0.051</b>	<b>0.019</b>	<b>0.031</b>	<b>0.020</b>	<b>0.055</b>	<b>NA</b>	<b>0.016</b>	<b>0.022</b>	<b>0.019</b>
Other PCBs (Optional)													
PCB #81	NA	0.03	NA	NA	0.00	0.01	0.01	0.01	0.00	NA	0.02	0.01	0.01
PCB #105	0.67	0.48	NA	NA	0.33	0.57	0.48	0.63	0.39	NA	0.37	0.42	0.50
PCB #114	0.03	0.02	NA	NA	0.02	<0.014	0.02	0.02	0.02	NA	<0.05	0.02	0.02
PCB #118	3.30	2.08	NA	NA	1.73	2.36	2.30	2.21	1.82	NA	1.74	2.10	2.47
PCB #123	0.33	0.02	NA	NA	0.35	0.04	0.04	0.11	0.02	NA	0.11	0.13	ND
PCB #156	0.37	0.34	NA	NA	0.27	0.26	0.35	0.71	0.18	NA	0.27	0.29	0.35
PCB #157	0.05	0.05	NA	NA	0.04	0.07	0.05	0.38	0.18	NA	0.06	0.03	0.05
PCB #167	0.22	0.15	NA	NA	0.13	0.13	0.26	0.67	0.16	NA	0.15	0.18	0.18
PCB #189	0.06	0.06	NA	NA	0.05	0.05	0.06	0.07	0.06	NA	0.05	0.05	0.07
<b>TEQ Total</b>	<b>0.023</b>	<b>0.019</b>	<b>NA</b>	<b>NA</b>	<b>0.052</b>	<b>0.019</b>	<b>0.032</b>	<b>0.021</b>	<b>0.055</b>	<b>NA</b>	<b>0.016</b>	<b>0.023</b>	<b>0.019</b>

\* all values in ng/g  
ND: not detected < than value expected  
NA: not analyzed

Soil A2

Participant code:	33	34	35	36	38	41	42	44	45	46	47	49	50
Weight Analysed:	10.01	10.00	19.43	NA	20.00	2.58	NA	5.00	9.92	NA	10.10	5.00	20.00
2,3,7,8-TeCDD	0.003	0.042	0.004	0.004	0.006	0.005	NA	0.004	0.005	NA	0.004	0.005	0.004
1,2,3,7,8-PeCDD	0.002	0.004	0.001	ND	0.013	0.002	NA	0.001	0.001	NA	0.001	0.001	0.001
1,2,3,4,7,8-HxCDD	0.003	0.006	0.003	0.004	0.008	0.003	NA	0.003	0.003	NA	0.003	0.003	0.002
1,2,3,6,7,8-HxCDD	0.012	0.018	0.014	0.016	0.023	0.020	NA	0.017	0.016	NA	0.020	0.016	0.007
1,2,3,7,8,9-HxCDD	0.005	0.010	0.005	0.006	0.010	0.008	NA	0.005	0.005	NA	0.006	0.005	0.003
1,2,3,4,6,7,8-HpCDD	0.37	0.23	0.39	0.41	0.45	0.48	NA	0.48	0.47	NA	0.51	0.44	0.32
OCDD	28.53	3.08	4.47	4.34	4.50	5.26	NA	4.52	4.95	NA	5.10	4.79	3.84
2,3,7,8-TeCDF	0.003	0.037	0.004	0.004	0.004	0.004	NA	0.004	0.003	NA	0.004	0.004	0.018
1,2,3,7,8-PeCDF	0.001	0.056	0.002	0.004	0.005	0.005	NA	0.003	0.002	NA	0.002	0.002	0.006
2,3,4,7,8-PeCDF	0.006	0.031	0.003	0.005	0.005	0.005	NA	0.003	0.003	NA	0.003	0.002	0.020
1,2,3,4,7,8-HxCDF	0.012	0.166	0.009	0.010	0.010	0.007	NA	0.007	0.011	NA	0.020	0.008	0.009
1,2,3,6,7,8-HxCDF	0.004	0.053	0.006	0.007	0.008	<0.001	NA	0.005	0.004	NA	0.005	0.005	0.006
1,2,3,7,8,9-HxCDF	0.001	0.028	0.000	0.010	<0.002	<0.003	NA	0.001	0.001	NA	0.002	0.001	0.005
2,3,4,6,7,8-HxCDF	0.004	ND	0.007	0.002	0.010	<0.001	NA	0.005	0.006	NA	0.008	0.004	0.001
1,2,3,4,6,7,8-HpCDF	0.11	0.52	0.11	0.13	0.11	0.12	NA	0.11	0.12	NA	0.12	0.11	0.08
1,2,3,4,7,8,9-HpCDF	0.01	0.14	0.01	0.01	0.01	0.02	NA	0.01	0.01	NA	0.01	0.01	0.01
OCDF	0.38	2.73	0.39	0.47	0.40	0.45	NA	0.42	0.43	NA	0.41	0.42	0.31
<b>TEQ (PCDD/DF)</b>	<b>0.020</b>	<b>0.106</b>	<b>0.017</b>	<b>0.019</b>	<b>0.035</b>	<b>0.021</b>	<b>NA</b>	<b>0.018</b>	<b>0.019</b>	<b>NA</b>	<b>0.020</b>	<b>0.018</b>	<b>0.029</b>
PCB #77	0.19	4.25	0.27	NA	0.23	0.45	NA	0.22	0.27	NA	0.21	0.17	NA
PCB #126	0.011	0.117	0.018	NA	0.010	<0.05	NA	0.015	0.047	NA	0.008	<0.01	NA
PCB #169	0.005	0.015	0.002	NA	<0.002	<0.05	NA	0.005	0.001	NA	<0.004	<0.01	NA
<b>TEQ (including PCBs)</b>	<b>0.020</b>	<b>0.118</b>	<b>0.019</b>	<b>NA</b>	<b>0.036</b>	<b>0.021</b>	<b>NA</b>	<b>0.020</b>	<b>0.023</b>	<b>NA</b>	<b>0.021</b>	<b>0.018</b>	<b>NA</b>
Other PCBs (Optional)													
PCB #81	NA	0.10	0.02	NA	0.01	0.07	NA	0.01	0.02	NA	0.02	0.02	NA
PCB #105	NA	NA	0.46	NA	0.45	1.30	NA	0.46	0.43	NA	0.25	0.41	NA
PCB #114	NA	NA	0.02	NA	0.02	0.09	NA	0.02	0.01	NA	0.40	0.02	NA
PCB #118	NA	NA	2.00	NA	1.40	3.70	NA	1.64	2.12	NA	1.50	2.04	NA
PCB #123	NA	NA	0.07	NA	0.02	<0.05	NA	0.04	0.21	NA	0.02	0.25	NA
PCB #156	NA	NA	0.33	NA	0.38	0.55	NA	0.37	0.42	NA	0.19	0.39	NA
PCB #157	NA	NA	0.04	NA	0.11	0.13	NA	0.05	0.05	NA	0.03	0.04	NA
PCB #167	NA	NA	0.62	NA	0.21	0.99	NA	0.20	0.66	NA	0.09	0.15	NA
PCB #189	NA	NA	0.07	NA	0.06	0.09	NA	0.05	0.08	NA	0.03	0.06	NA
<b>TEQ Total</b>	<b>NA</b>	<b>NA</b>	<b>0.019</b>	<b>NA</b>	<b>0.036</b>	<b>0.021</b>	<b>NA</b>	<b>0.020</b>	<b>0.024</b>	<b>NA</b>	<b>0.022</b>	<b>0.018</b>	<b>NA</b>

\* all values in ng/g  
ND: not detected < than value expected  
NA: not analyzed

Soil A3



Participant code:	52	53	55	56	57	58	59	60	61	62	63	64	66
Weight Analysed:	5.00	NA	1.00	10.00	10.00	25.30	14.05	9.95	5.20	9.94	10.51	8.37	10.22
2,3,7,8-TeCDD	0.004	NA	NA	0.004	0.005	0.004	0.006	0.005	0.005	0.004	0.005	0.005	0.004
1,2,3,7,8-PeCDD	0.001	NA	NA	0.001	0.005	0.002	0.002	0.002	0.001	0.009	0.000	0.001	0.001
1,2,3,4,7,8-HxCDD	0.003	NA	NA	0.003	0.010	0.003	0.005	0.004	0.003	0.004	0.003	0.003	0.003
1,2,3,6,7,8-HxCDD	0.017	NA	NA	0.013	0.023	0.016	0.022	0.018	0.017	0.021	0.018	0.016	0.015
1,2,3,7,8,9-HxCDD	0.006	NA	NA	0.003	0.014	0.007	0.009	0.006	0.006	0.005	0.005	0.007	0.005
1,2,3,4,6,7,8-HpCDD	0.43	NA	NA	0.43	0.46	0.45	0.53	0.47	0.39	0.44	0.47	0.41	0.41
OCDD	4.29	NA	NA	4.50	4.99	4.99	5.20	5.20	4.39	4.10	5.24	4.28	4.80
2,3,7,8-TeCDF	0.003	NA	NA	0.004	0.006	0.004	0.004	0.004	0.004	0.003	0.005	0.005	0.003
1,2,3,7,8-PeCDF	0.002	NA	NA	0.003	0.006	0.003	0.003	0.002	0.003	0.005	0.003	0.001	0.004
2,3,4,7,8-PeCDF	0.003	NA	NA	0.002	0.008	0.004	0.004	0.003	0.003	0.005	0.005	0.002	0.003
1,2,3,4,7,8-HxCDF	0.008	NA	NA	0.008	0.022	0.009	0.029	0.009	0.010	0.011	0.008	0.014	0.009
1,2,3,6,7,8-HxCDF	0.002	NA	NA	0.005	0.011	0.005	0.007	0.006	0.006	0.008	0.006	0.005	0.006
1,2,3,7,8,9-HxCDF	0.004	NA	NA	0.000	0.010	0.002	0.001	0.000	0.003	0.004	0.008	0.006	0.001
2,3,4,6,7,8-HxCDF	0.008	NA	NA	0.004	0.007	0.006	0.006	0.005	0.008	0.008	0.002	0.001	0.006
1,2,3,4,6,7,8-HpCDF	0.11	NA	NA	0.10	0.12	0.12	0.14	0.12	0.10	0.12	0.12	0.10	0.12
1,2,3,4,7,8,9-HpCDF	0.01	NA	NA	0.01	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
OCDF	0.56	NA	NA	0.38	0.45	0.42	0.45	0.41	0.27	0.40	0.43	0.35	0.39
<b>TEQ (PCDD/DF)</b>	<b>0.017</b>	<b>NA</b>	<b>0.160</b>	<b>0.015</b>	<b>0.032</b>	<b>0.019</b>	<b>0.025</b>	<b>0.020</b>	<b>0.019</b>	<b>0.028</b>	<b>0.019</b>	<b>0.019</b>	<b>0.018</b>
PCB #77	0.24	NA	NA	0.23	NA	0.29	0.26	0.27	0.21	0.26	NA	0.23	0.25
PCB #126	0.010	NA	NA	0.011	NA	0.027	0.012	0.014	0.010	0.013	NA	0.011	0.011
PCB #169	0.002	NA	NA	0.002	NA	0.002	0.002	0.003	0.002	0.002	NA	0.002	0.002
<b>TEQ (including PCBs)</b>	<b>0.018</b>	<b>NA</b>	<b>0.160</b>	<b>0.017</b>	<b>NA</b>	<b>0.022</b>	<b>0.026</b>	<b>0.021</b>	<b>0.020</b>	<b>0.030</b>	<b>NA</b>	<b>0.020</b>	<b>0.019</b>
Other PCBs (Optional)													
PCB #81	0.05	NA	NA	0.01	NA	0.01	0.01	0.01	0.00	0.01	NA	NA	0.01
PCB #105	0.52	NA	NA	0.35	NA	1.23	0.49	0.48	0.39	0.44	NA	NA	0.50
PCB #114	0.05	NA	NA	0.01	NA	0.02	0.02	0.01	0.02	0.02	NA	NA	0.03
PCB #118	2.14	NA	NA	1.90	NA	2.16	2.50	2.42	1.88	2.40	NA	NA	2.40
PCB #123	0.05	NA	NA	0.08	NA	0.02	0.02	0.03	0.02	0.04	NA	NA	0.05
PCB #156	0.33	NA	NA	0.28	NA	0.36	0.39	0.46	0.30	0.32	NA	NA	0.36
PCB #157	0.08	NA	NA	0.05	NA	0.05	0.05	0.06	0.05	0.05	NA	NA	0.05
PCB #167	0.53	NA	NA	0.16	NA	0.16	0.21	0.21	0.16	0.20	NA	NA	0.19
PCB #189	0.06	NA	NA	0.06	NA	0.11	0.07	0.08	0.07	0.05	NA	NA	0.08
<b>TEQ Total</b>	<b>0.019</b>	<b>NA</b>	<b>0.160</b>	<b>0.017</b>	<b>NA</b>	<b>0.023</b>	<b>0.026</b>	<b>0.022</b>	<b>0.020</b>	<b>0.030</b>	<b>NA</b>	<b>NA</b>	<b>0.019</b>

\* all values in ng/g  
ND: not detected < than value expected  
NA: not analyzed

Soil A4

Participant code:	67	70	72	74	77
Weight Analysed:	5.00	10.12	10.04	NA	4.35
2,3,7,8-TeCDD	0.004	0.005	0.005	NA	0.004
1,2,3,7,8-PeCDD	0.001	0.001	0.001	NA	0.001
1,2,3,4,7,8-HxCDD	0.003	0.004	0.003	NA	0.002
1,2,3,6,7,8-HxCDD	0.017	0.018	0.019	NA	0.012
1,2,3,7,8,9-HxCDD	0.005	0.007	0.005	NA	0.005
1,2,3,4,6,7,8-HpCDD	0.47	0.46	0.48	NA	0.35
OCDD	4.99	5.74	5.44	NA	3.24
2,3,7,8-TeCDF	0.004	0.004	0.004	NA	0.003
1,2,3,7,8-PeCDF	0.003	0.003	0.003	NA	0.003
2,3,4,7,8-PeCDF	0.004	0.005	0.004	NA	0.003
1,2,3,4,7,8-HxCDF	0.009	0.008	0.007	NA	0.007
1,2,3,6,7,8-HxCDF	0.005	0.006	0.005	NA	0.005
1,2,3,7,8,9-HxCDF	0.001	0.001	0.001	NA	0.003
2,3,4,6,7,8-HxCDF	0.005	0.011	0.005	NA	0.004
1,2,3,4,6,7,8-HpCDF	0.11	0.11	0.11	NA	0.09
1,2,3,4,7,8,9-HpCDF	0.01	0.01	0.01	NA	0.01
OCDF	0.47	0.42	0.37	NA	0.34
<b>TEQ (PCDD/DF)</b>	<b>0.019</b>	<b>0.021</b>	<b>0.019</b>	<b>NA</b>	<b>0.016</b>
PCB #77	0.24	NA	0.21	NA	NA
PCB #126	0.013	NA	0.025	NA	NA
PCB #169	<0.002	NA	0.002	NA	NA
<b>TEQ (including PCBs)</b>	<b>0.020</b>	<b>NA</b>	<b>0.022</b>	<b>NA</b>	<b>NA</b>
Other PCBs (Optional)					
PCB #81	0.02	NA	0.00	NA	NA
PCB #105	0.52	NA	0.40	NA	NA
PCB #114	0.09	NA	0.02	NA	NA
PCB #118	2.58	NA	1.79	NA	NA
PCB #123	0.03	NA	0.06	NA	NA
PCB #156	0.30	NA	0.33	NA	NA
PCB #157	0.05	NA	0.05	NA	NA
PCB #167	0.18	NA	0.17	NA	NA
PCB #189	0.05	NA	0.11	NA	NA
<b>TEQ Total</b>	<b>0.021</b>	<b>NA</b>	<b>0.022</b>	<b>NA</b>	<b>NA</b>
* all values in ng/g					
ND: not detected < than value expected      Soil A5					
NA: not analyzed					

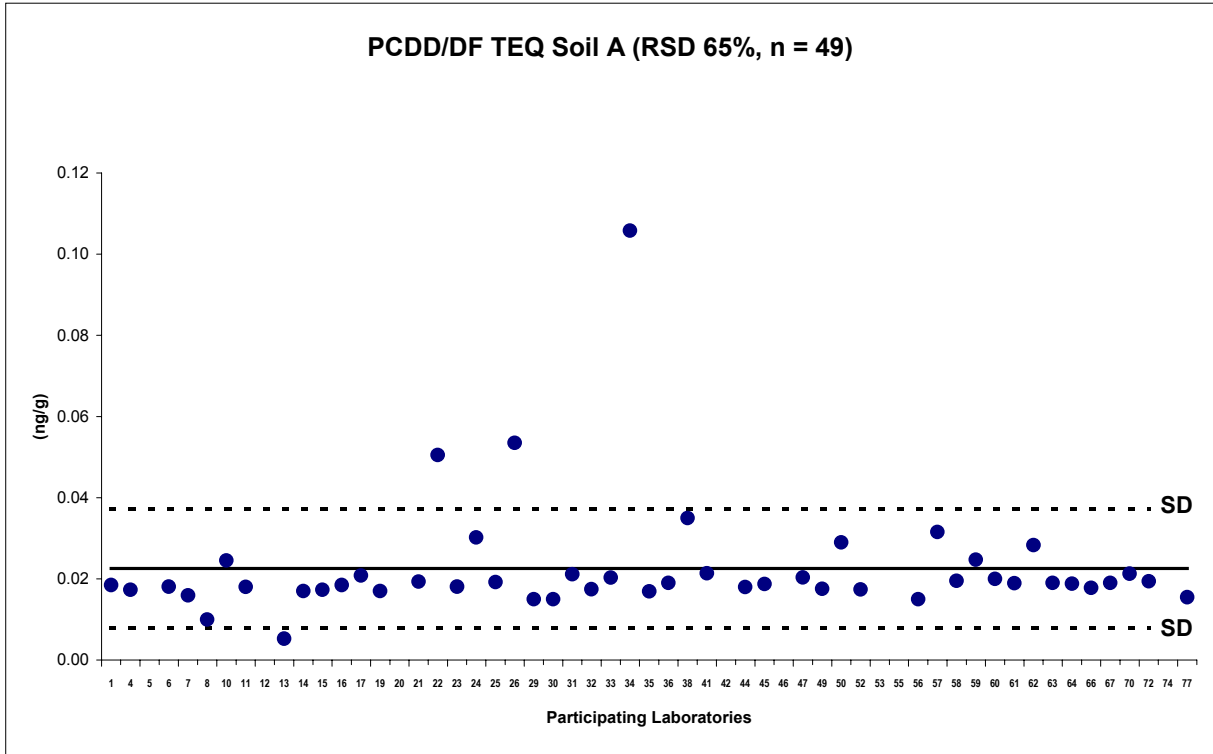
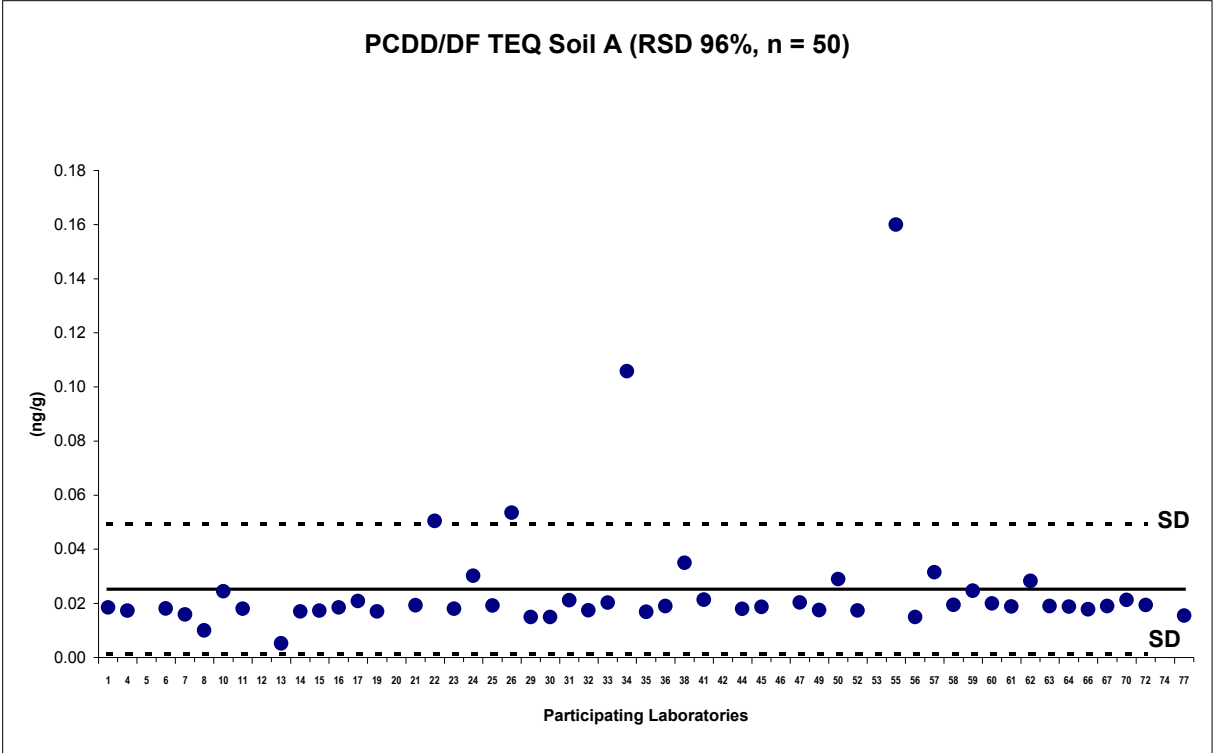
Participant code:						
Weight Analysed:						
	Average	Median	Min	Max	SD	%RSD
2,3,7,8-TeCDD	0.005	0.004	0.001	0.042	0.006	106%
1,2,3,7,8-PeCDD	0.002	0.001	0.000	0.013	0.003	128%
1,2,3,4,7,8-HxCDD	0.006	0.003	0.001	0.051	0.010	172%
1,2,3,6,7,8-HxCDD	0.018	0.017	0.002	0.045	0.007	38%
1,2,3,7,8,9-HxCDD	0.008	0.005	0.001	0.042	0.008	99%
1,2,3,4,6,7,8-HpCDD	0.45	0.43	0.11	1.22	0.16	36%
OCDD	5.03	4.49	1.95	28.53	3.63	72%
2,3,7,8-TeCDF	0.005	0.004	0.002	0.037	0.005	106%
1,2,3,7,8-PeCDF	0.004	0.003	0.001	0.056	0.008	180%
2,3,4,7,8-PeCDF	0.005	0.004	0.001	0.031	0.005	99%
1,2,3,4,7,8-HxCDF	0.013	0.009	0.002	0.166	0.023	171%
1,2,3,6,7,8-HxCDF	0.007	0.006	0.001	0.053	0.007	103%
1,2,3,7,8,9-HxCDF	0.004	0.002	0.000	0.028	0.005	133%
2,3,4,6,7,8-HxCDF	0.006	0.005	0.001	0.030	0.005	80%
1,2,3,4,6,7,8-HpCDF	0.11	0.11	0.02	0.52	0.06	55%
1,2,3,4,7,8,9-HpCDF	0.01	0.01	0.002	0.14	0.02	130%
OCDF	0.42	0.39	0.040	2.73	0.35	83%
<b>TEQ (PCDD/DF)</b>	<b>0.025</b>	<b>0.019</b>	<b>0.005</b>	<b>0.16</b>	<b>0.024</b>	<b>96%</b>
PCB #77	0.37	0.25	0.17	4.25	0.69	187%
PCB #126	0.017	0.011	0.007	0.117	0.020	118%
PCB #169	0.003	0.002	0.001	0.015	0.003	101%
<b>TEQ (including PCBs)</b>	<b>0.030</b>	<b>0.020</b>	<b>0.016</b>	<b>0.160</b>	<b>0.029</b>	<b>97%</b>
Other PCBs (Optional)						
PCB #81	0.02	0.01	0.00	0.10	0.02	122%
PCB #105	0.51	0.46	0.25	1.30	0.22	43%
PCB #114	0.04	0.02	0.01	0.40	0.07	188%
PCB #118	2.15	2.11	1.40	3.70	0.46	21%
PCB #123	0.10	0.05	0.02	0.35	0.10	100%
PCB #156	0.34	0.33	0.18	0.71	0.10	30%
PCB #157	0.07	0.05	0.03	0.38	0.06	93%
PCB #167	0.27	0.18	0.09	0.99	0.21	79%
PCB #189	0.06	0.06	0.02	0.11	0.02	28%
<b>TEQ Total</b>	<b>0.028</b>	<b>0.021</b>	<b>0.016</b>	<b>0.160</b>	<b>0.025</b>	<b>91%</b>

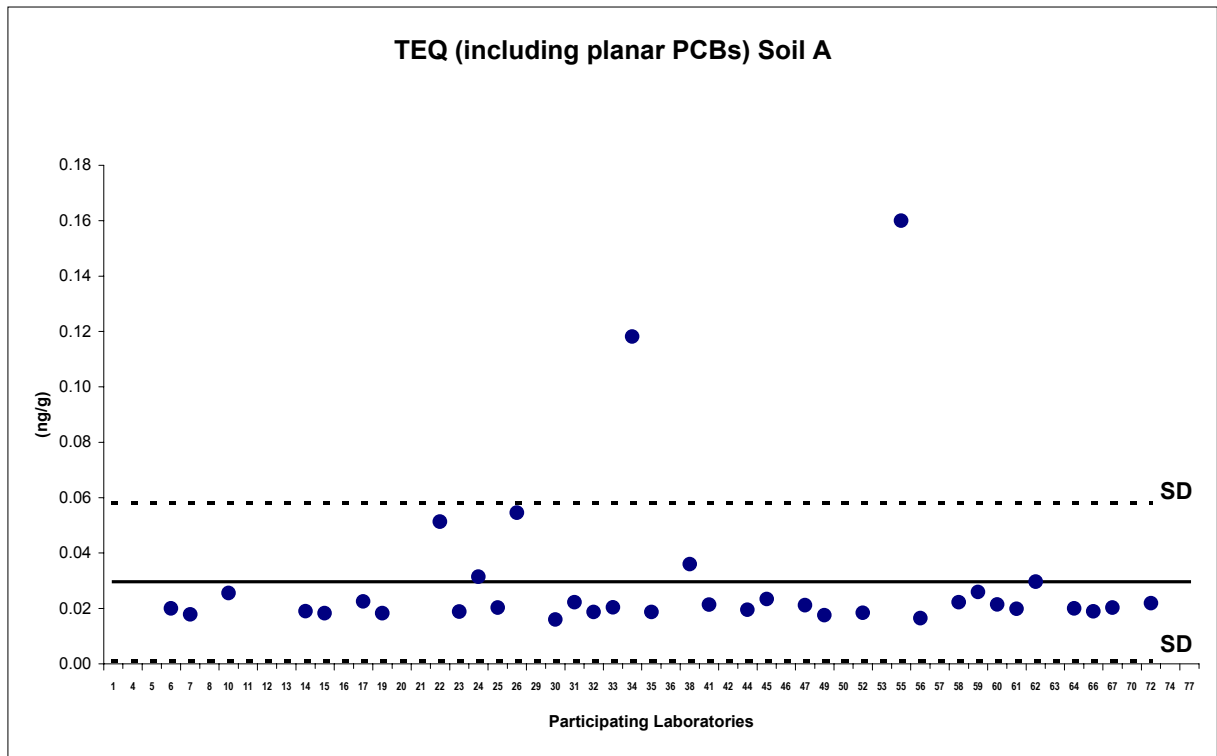
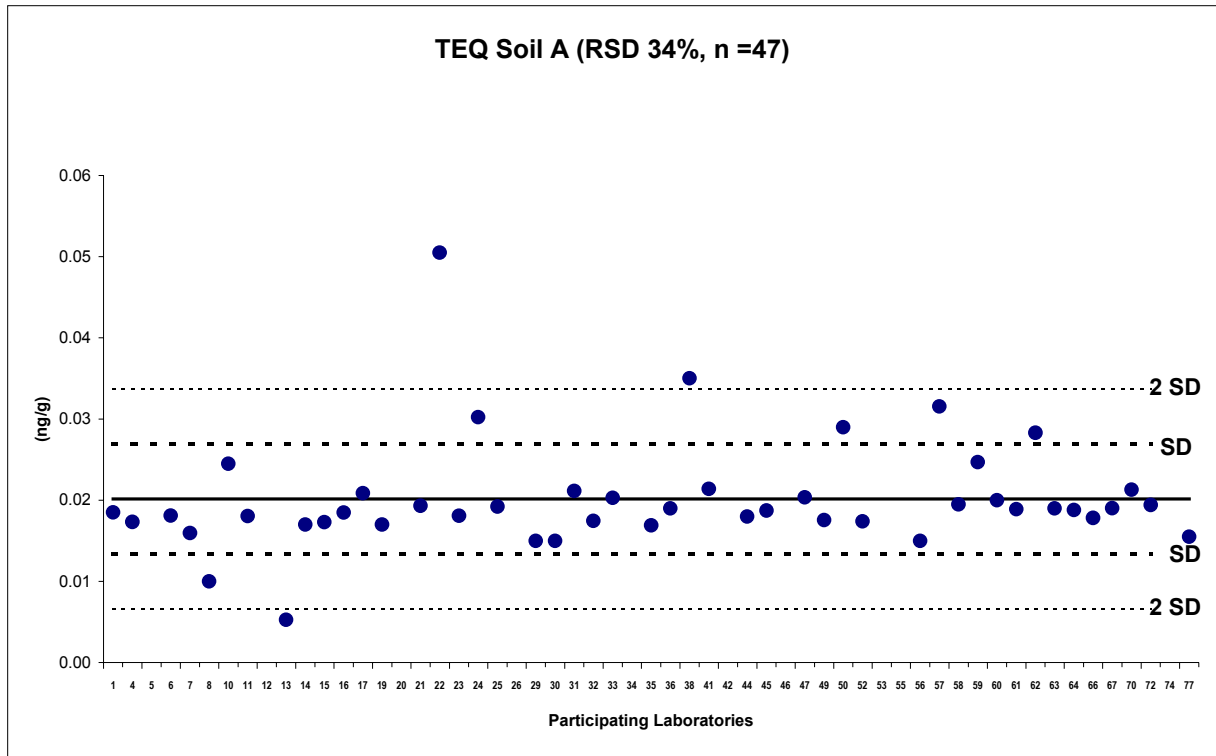
\* all values in ng/g

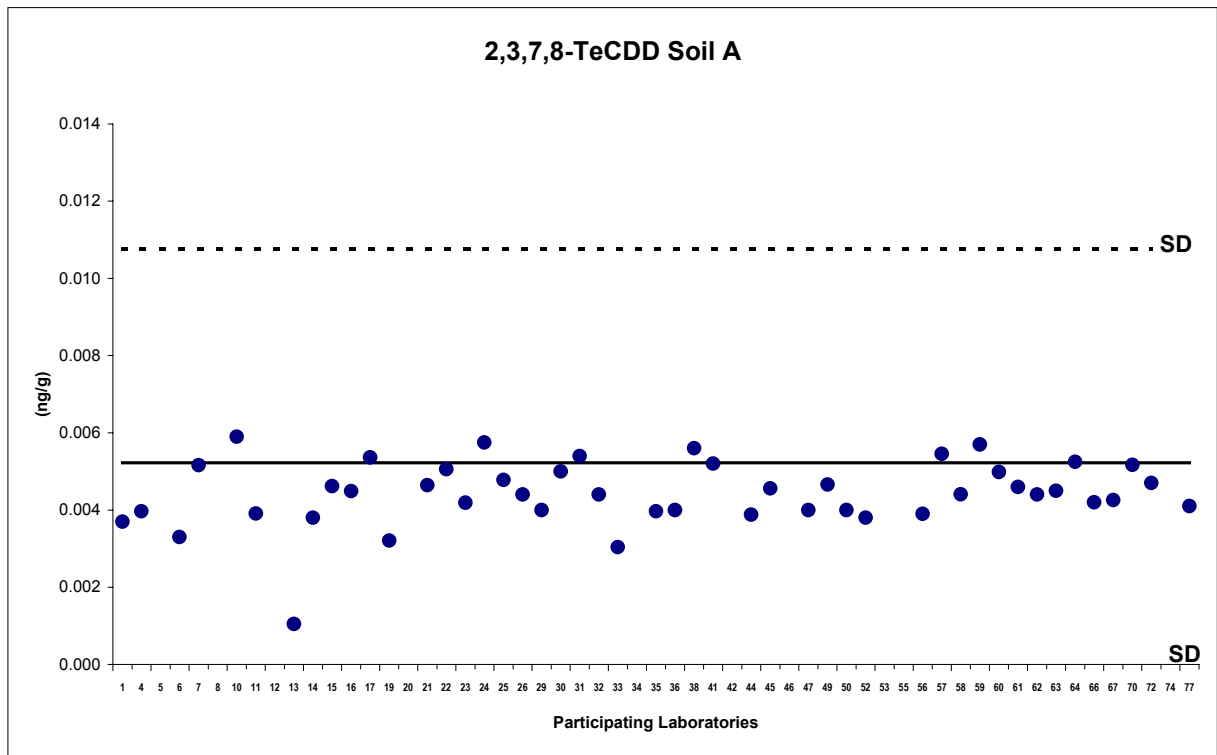
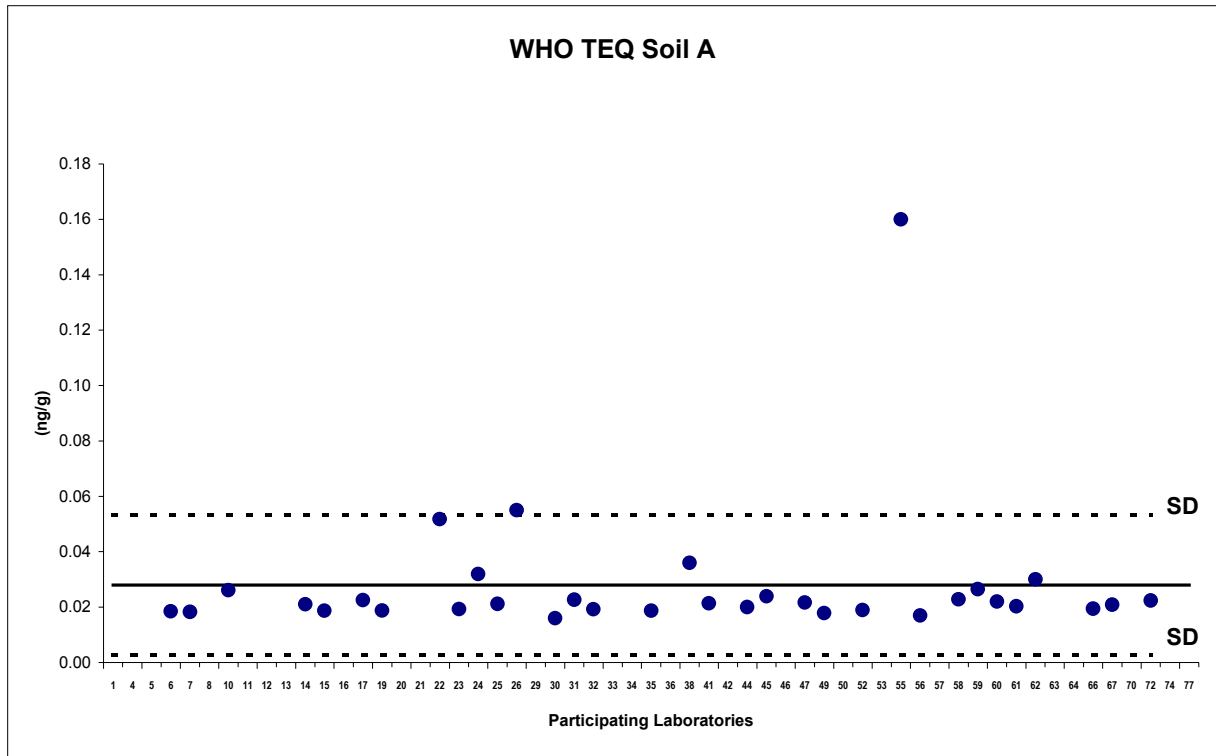
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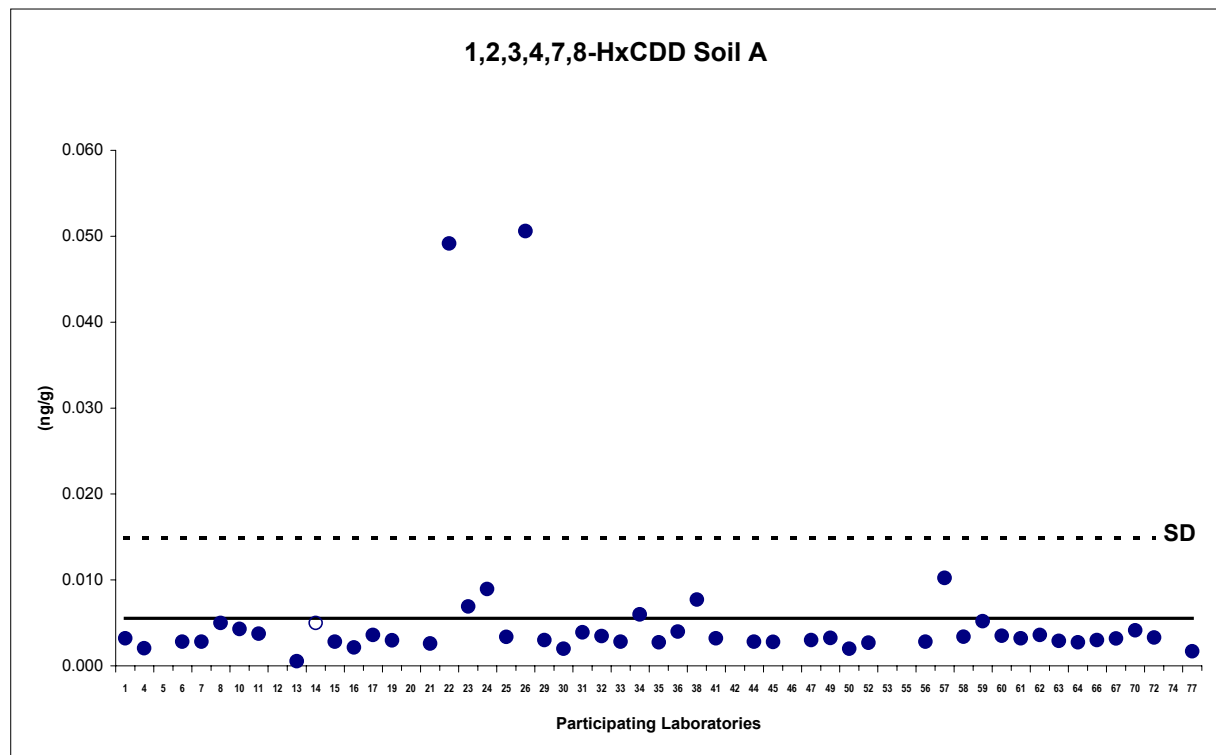
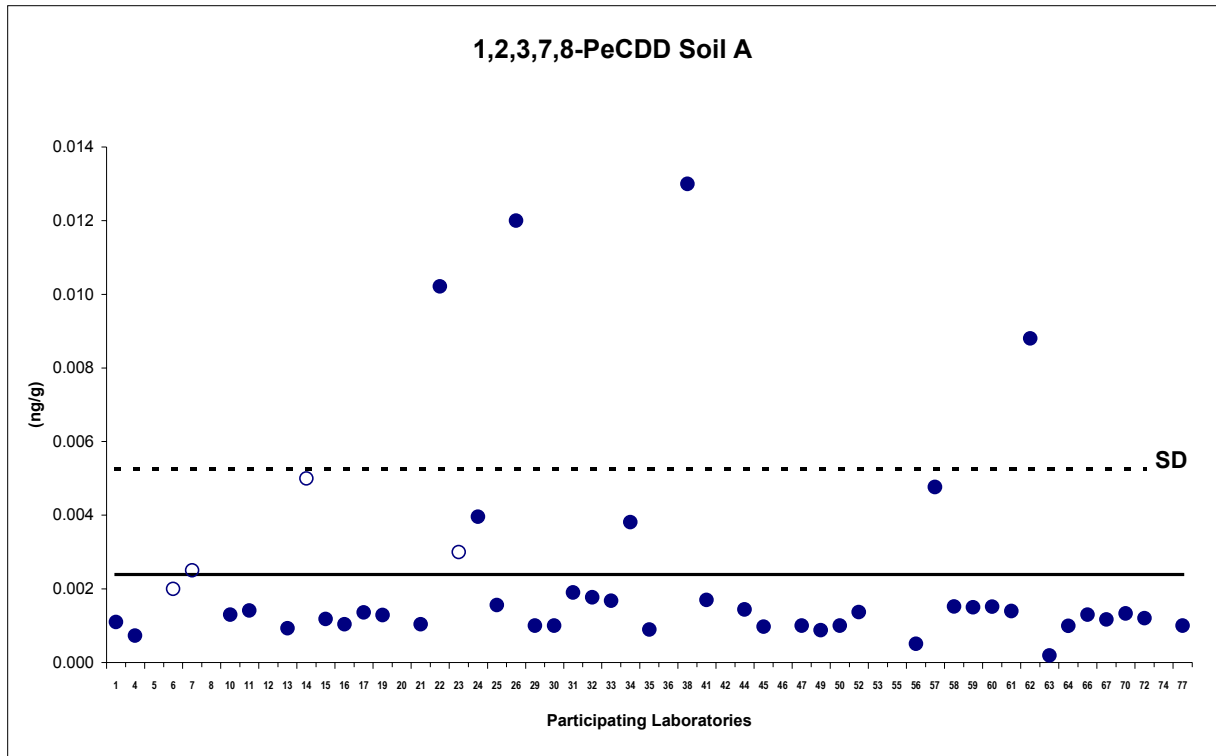
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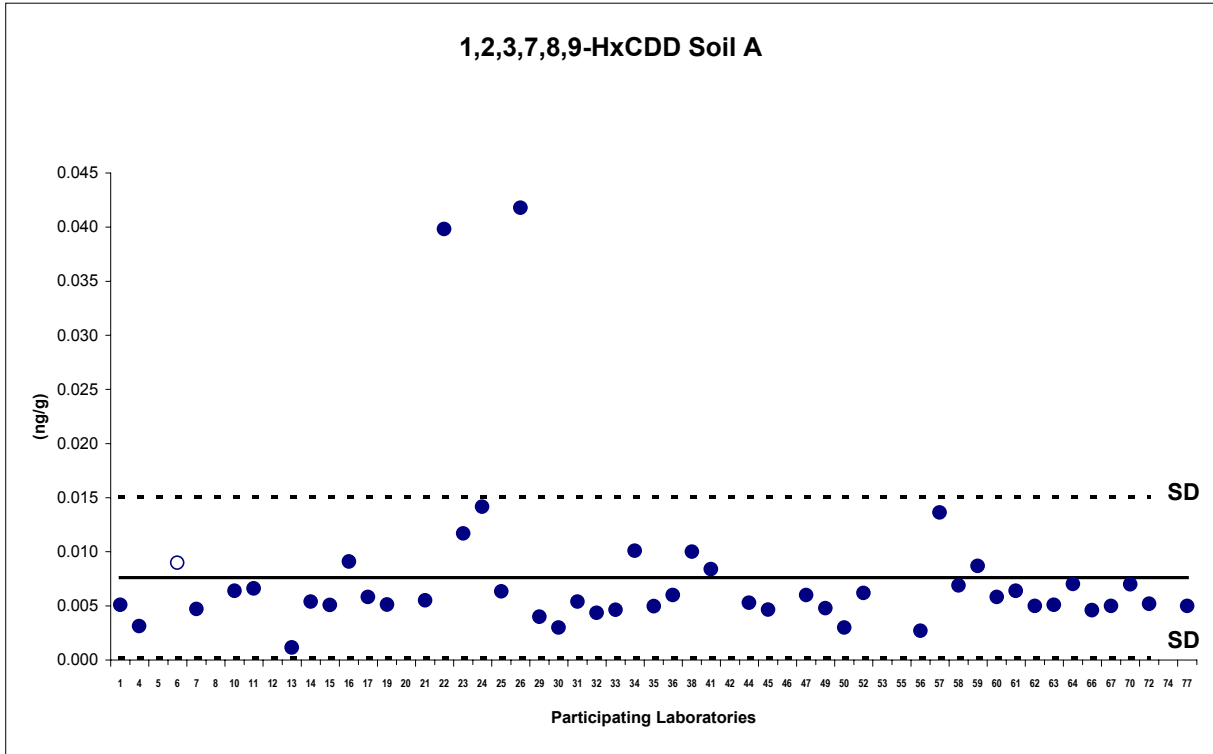
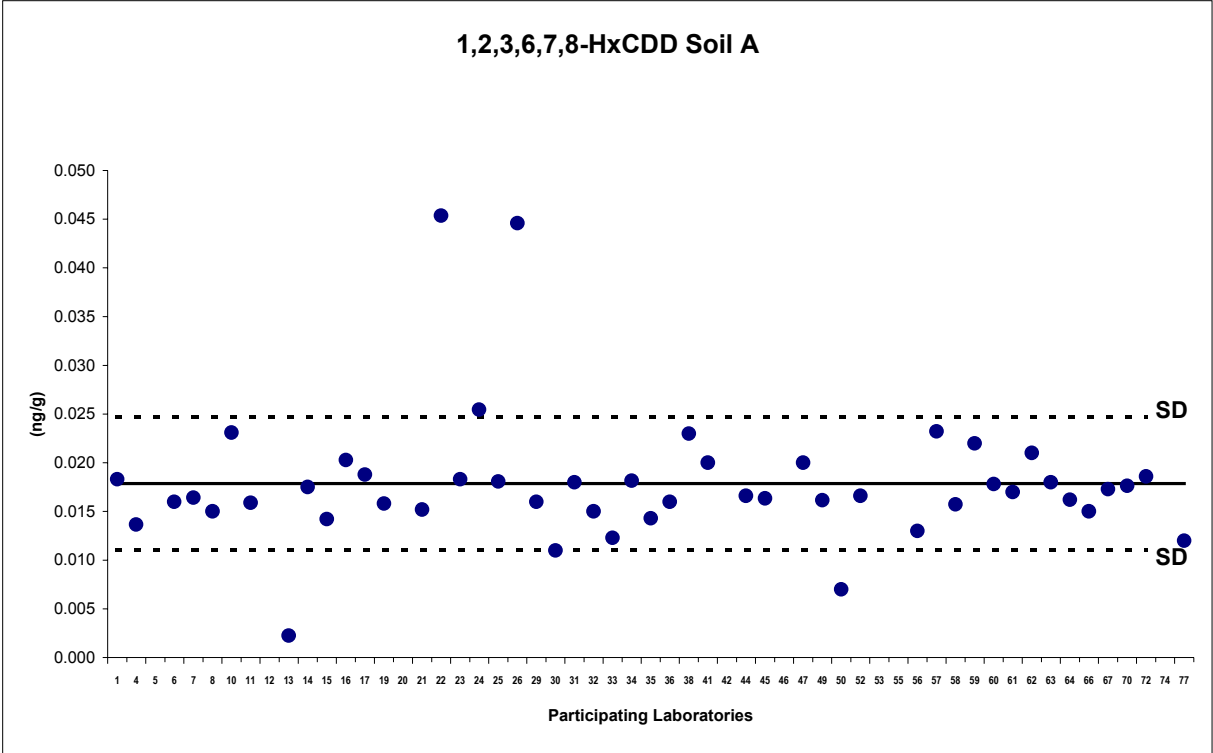
Soil A6



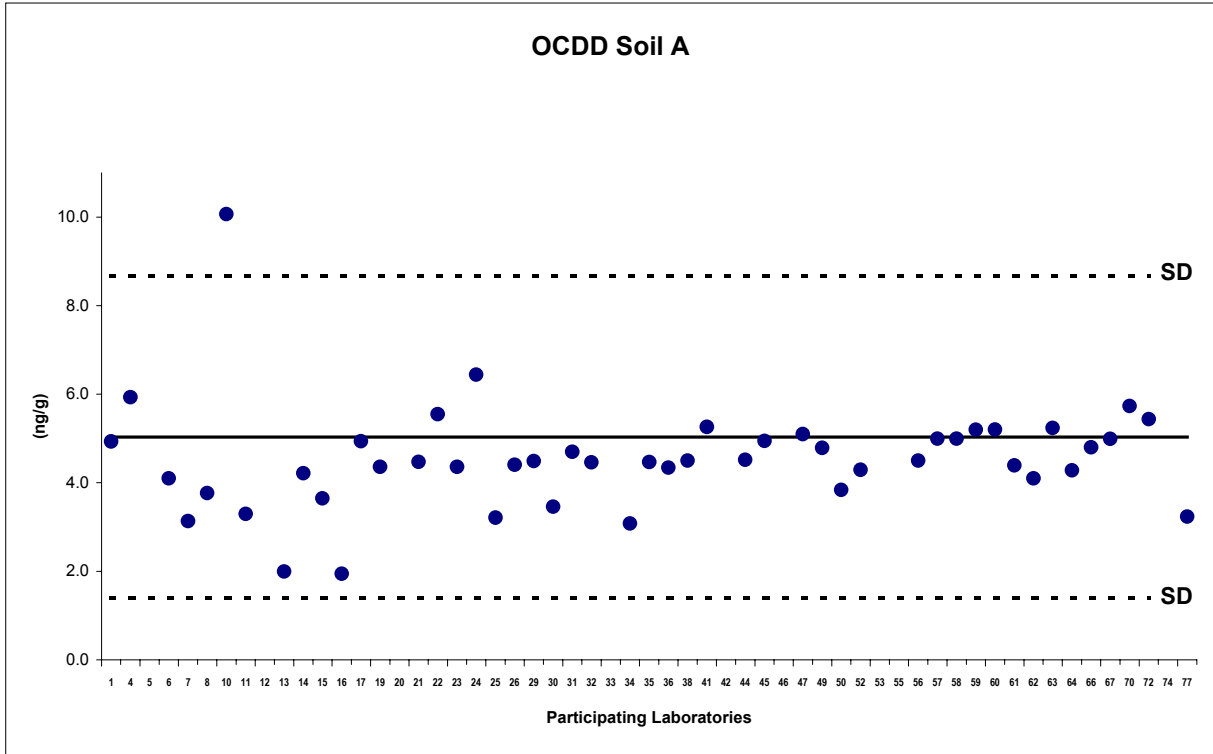
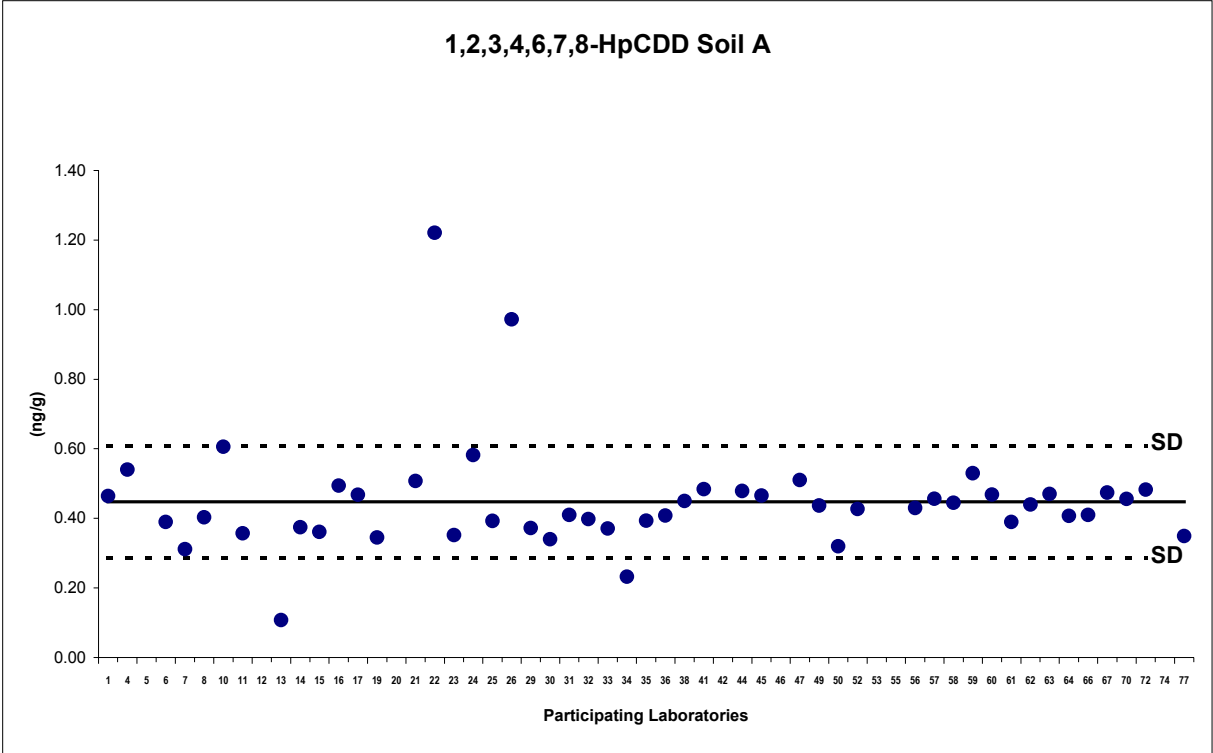


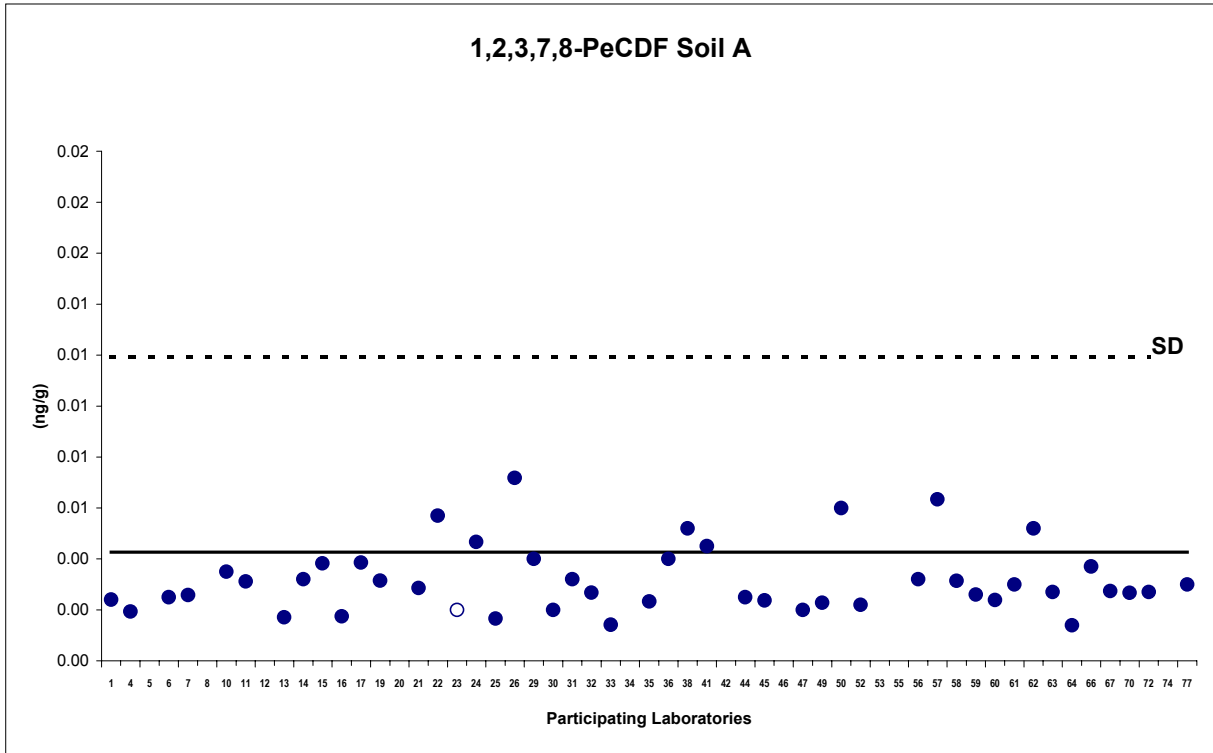
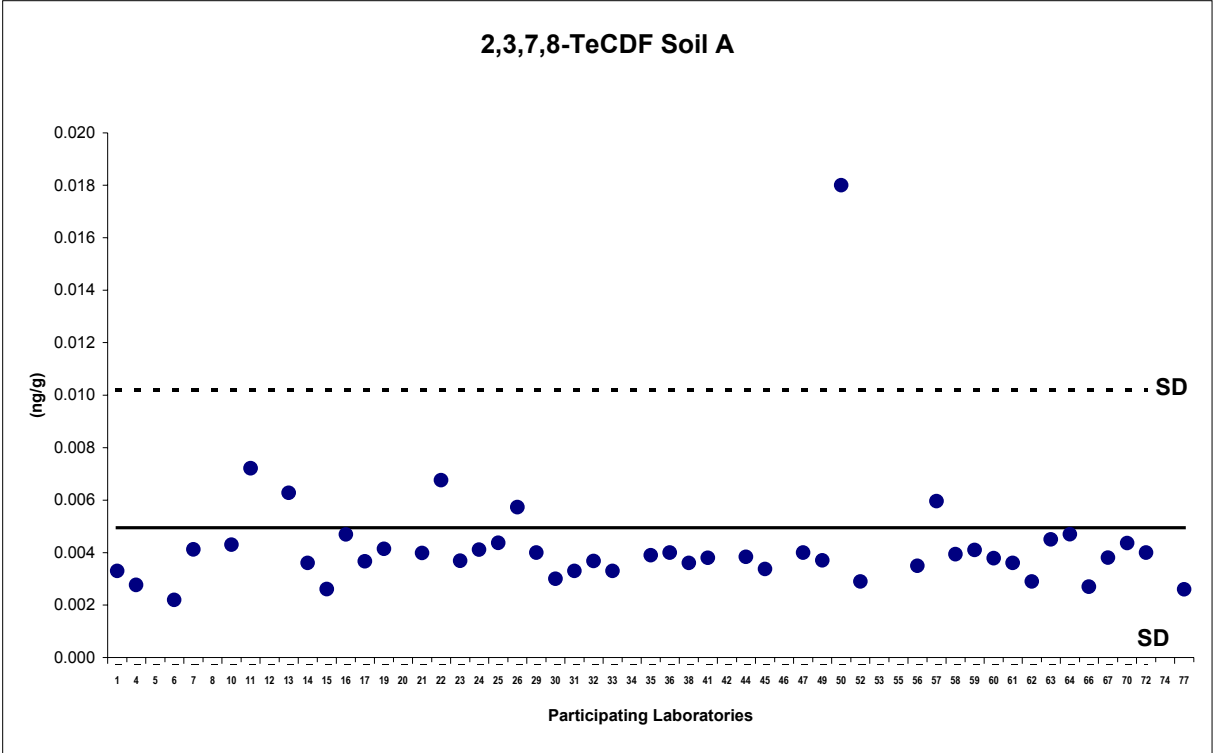


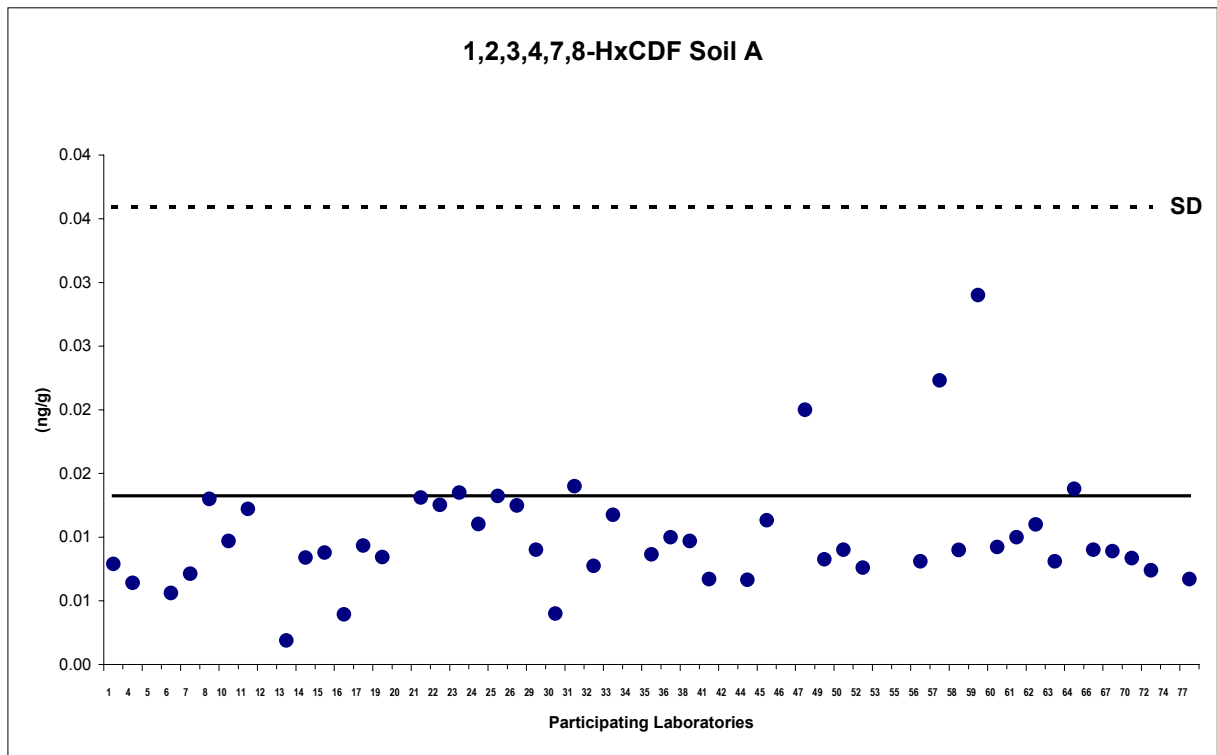
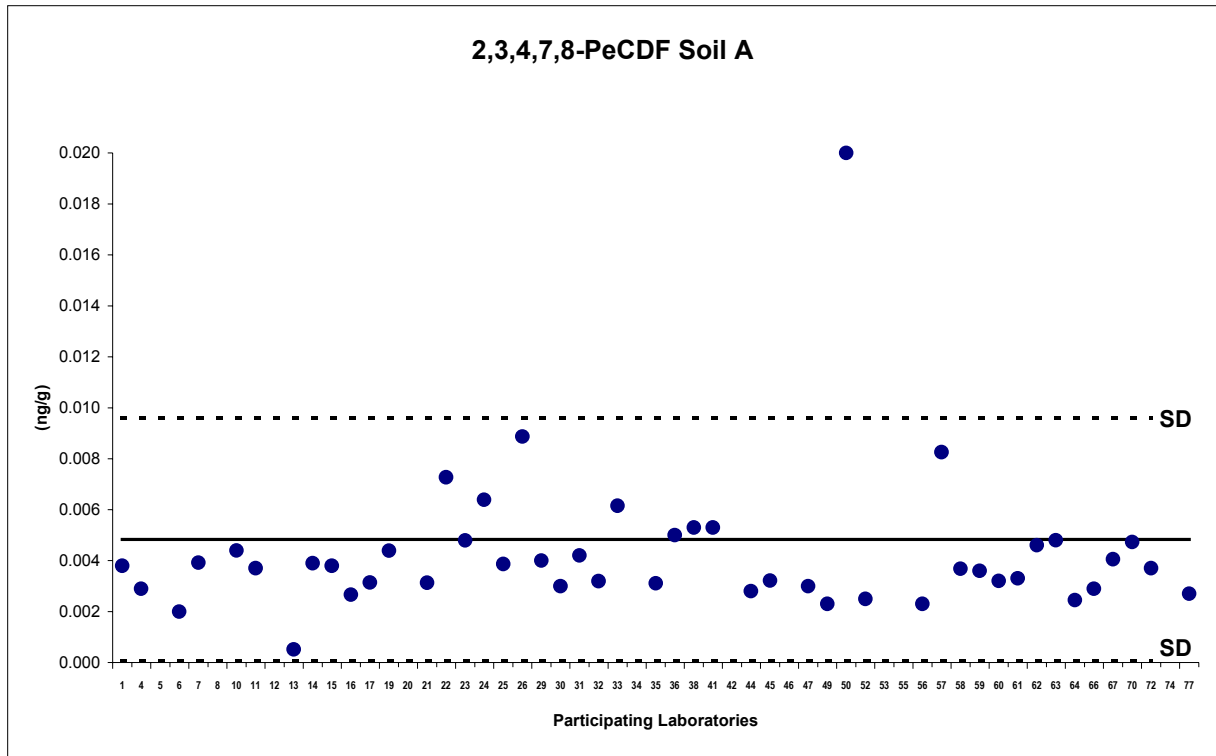


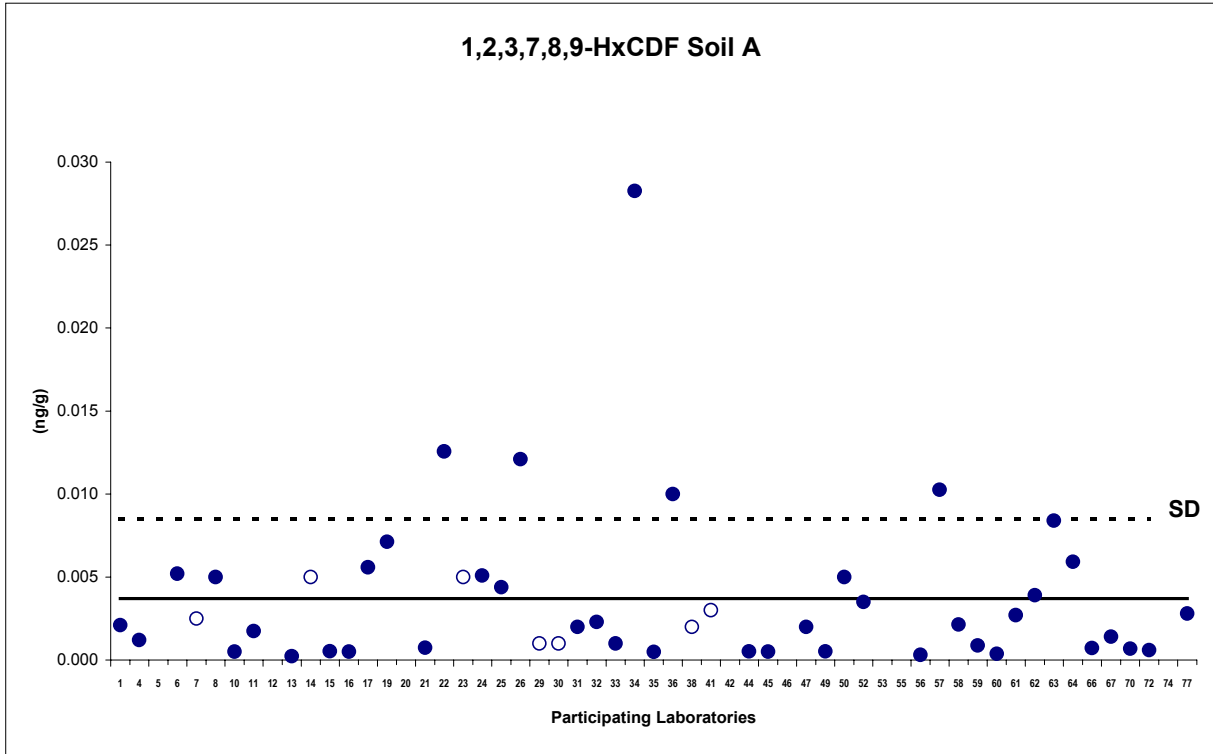
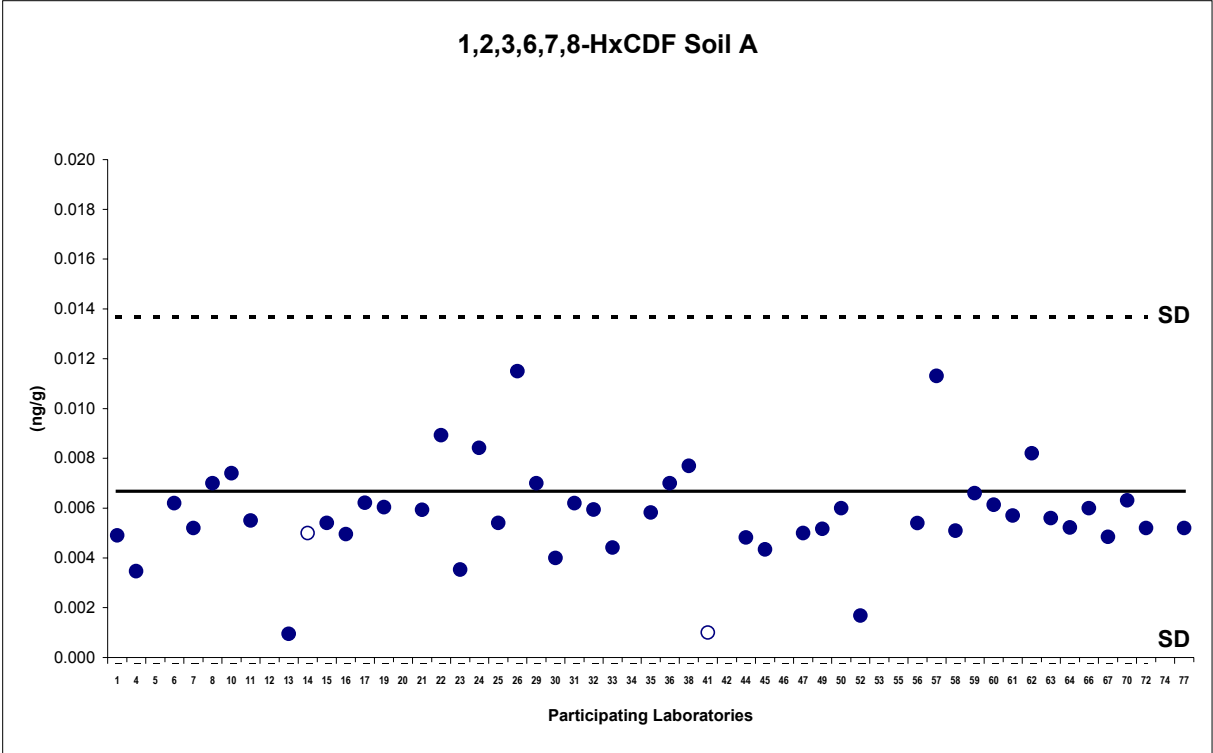


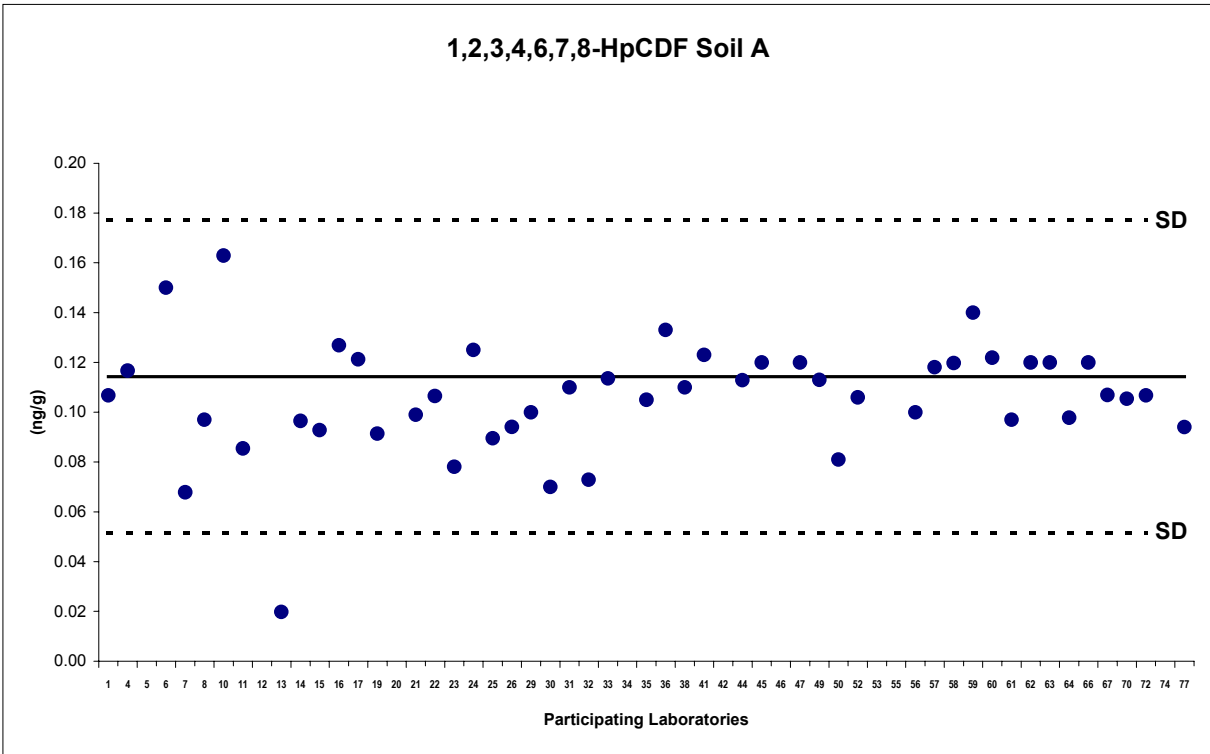
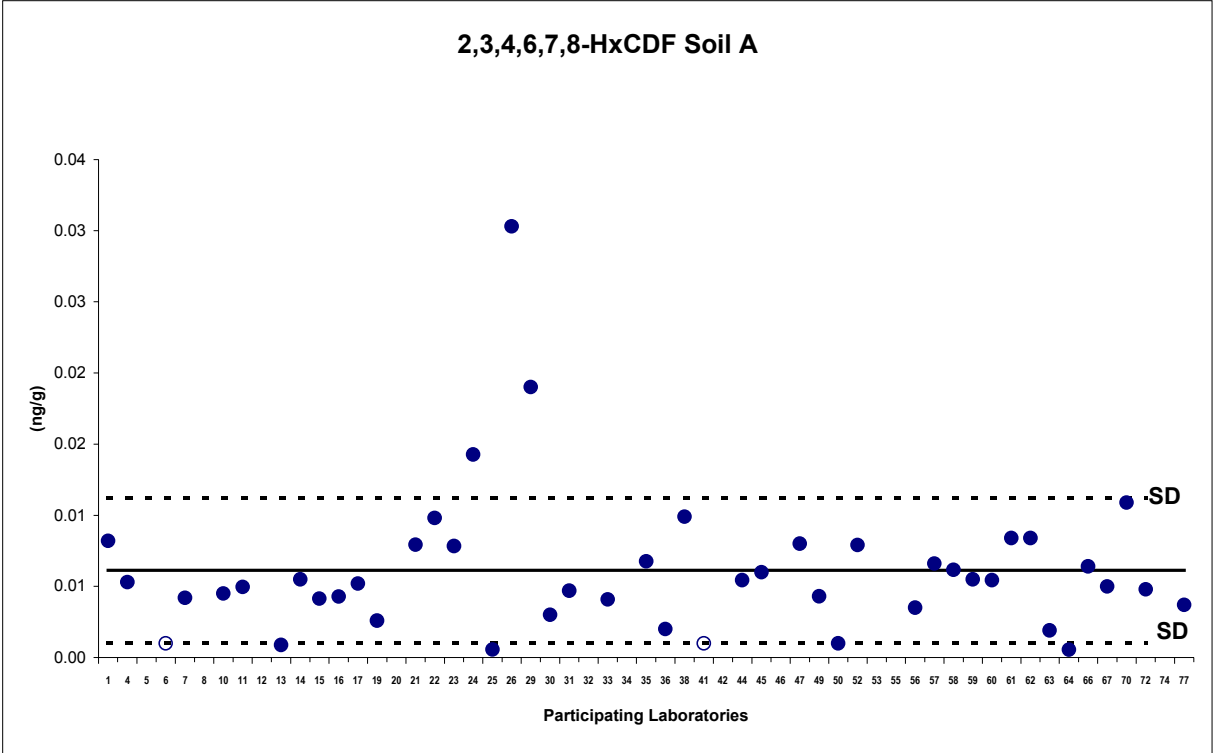


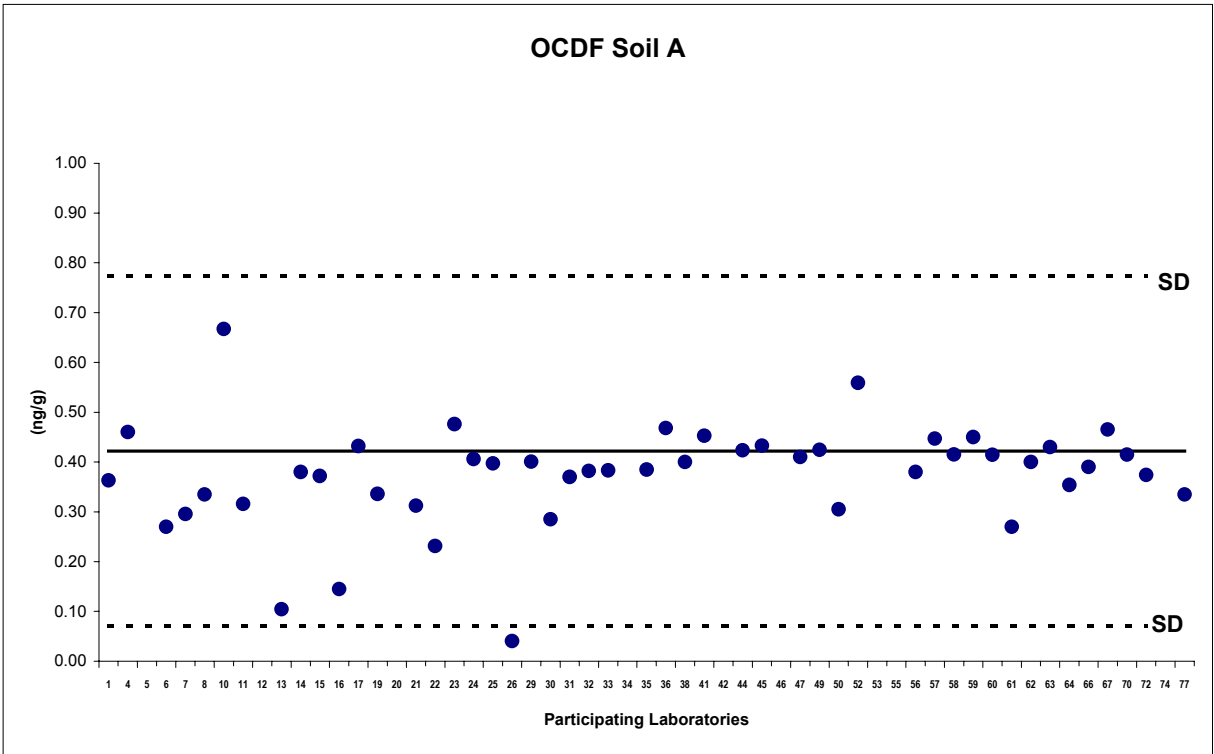
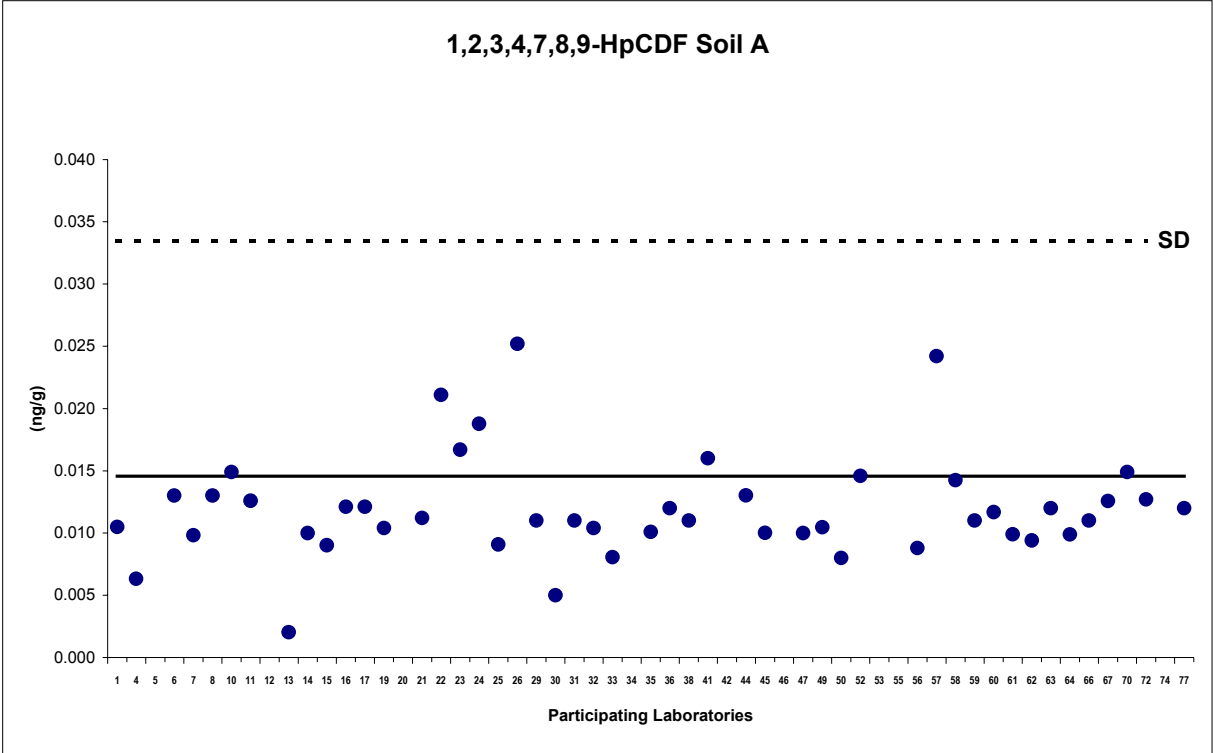


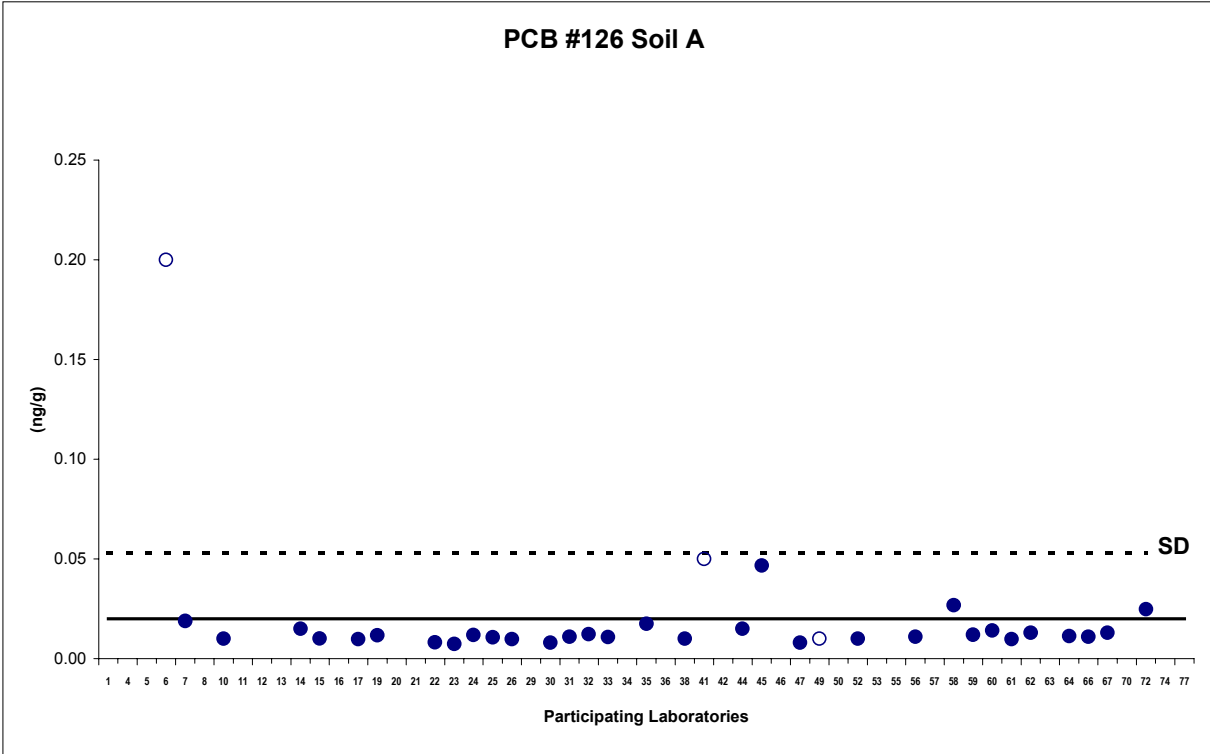
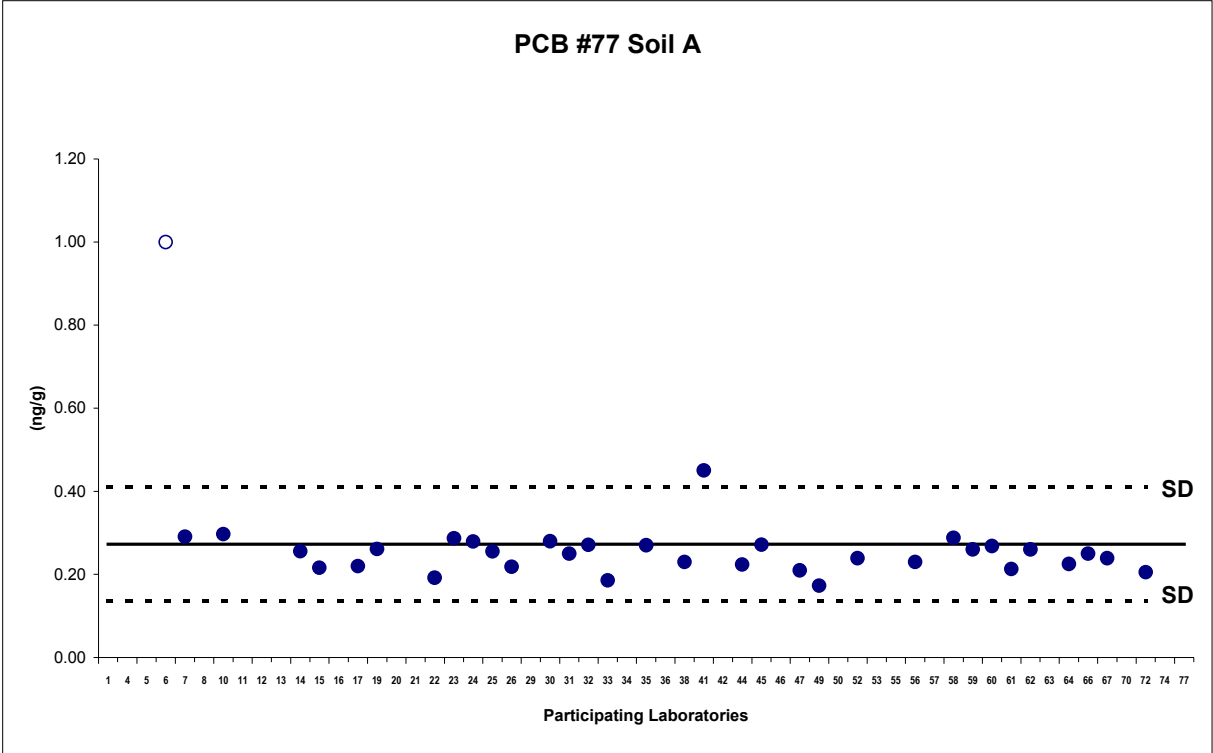


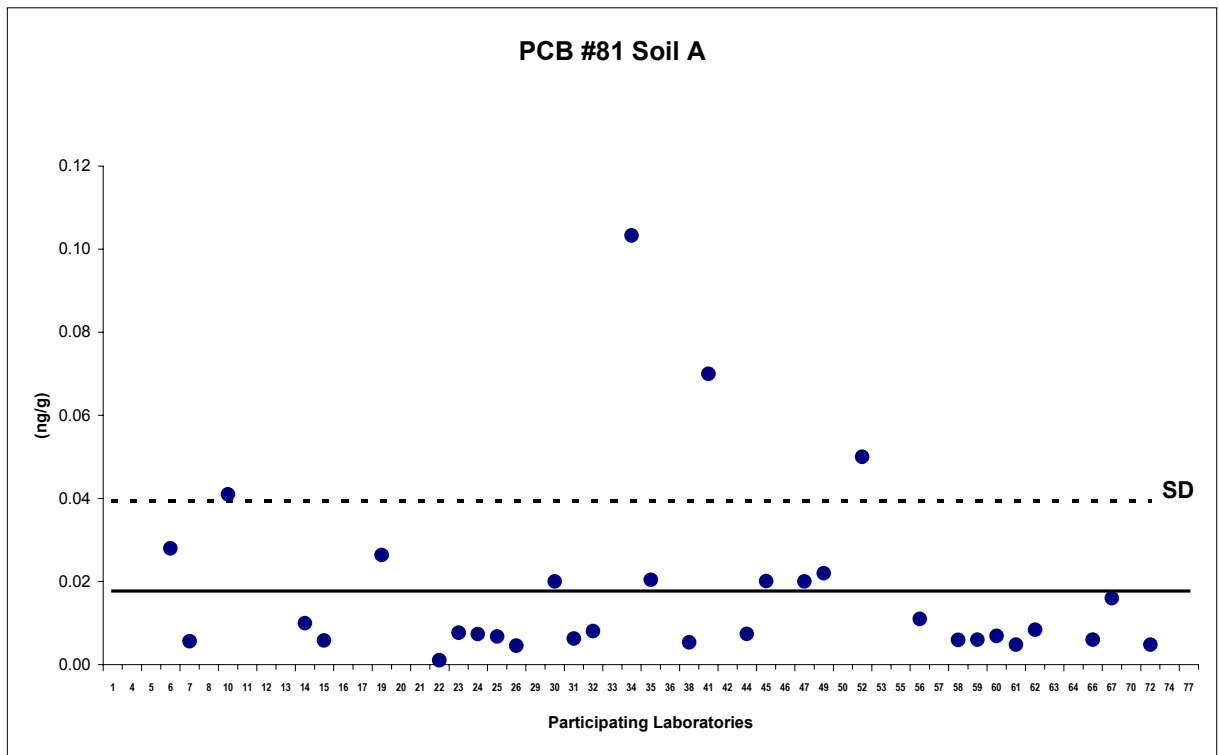
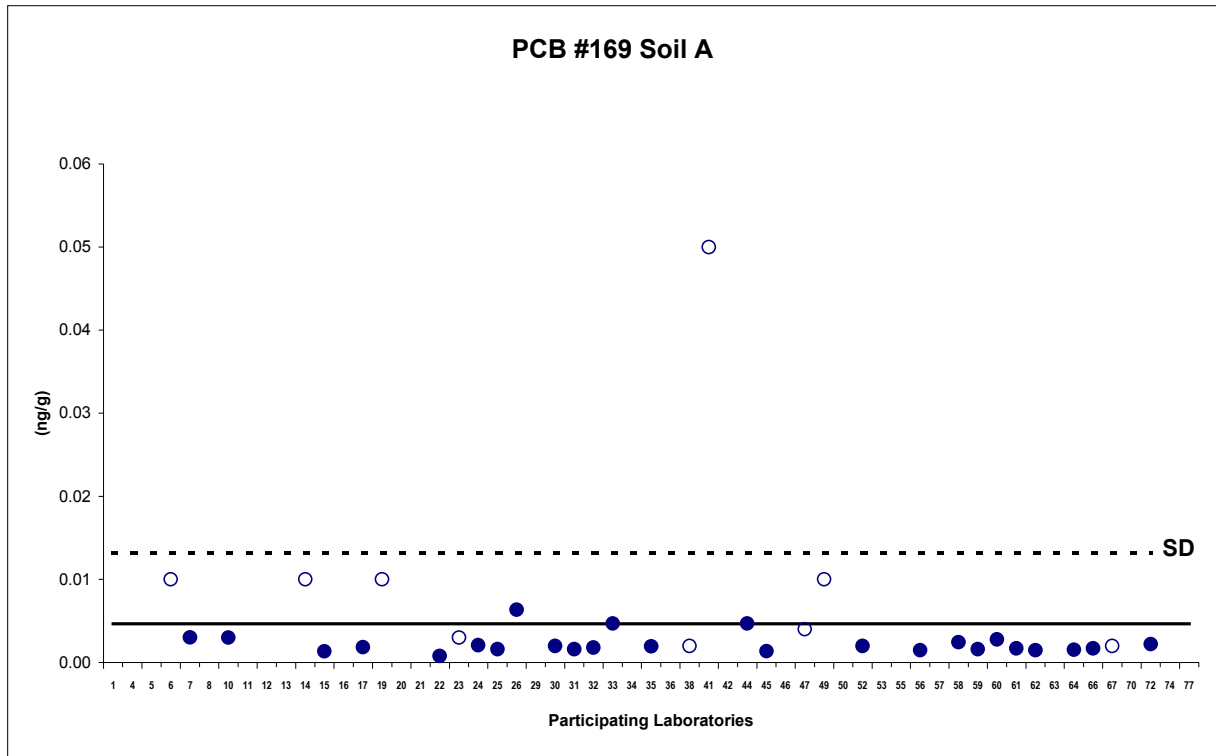




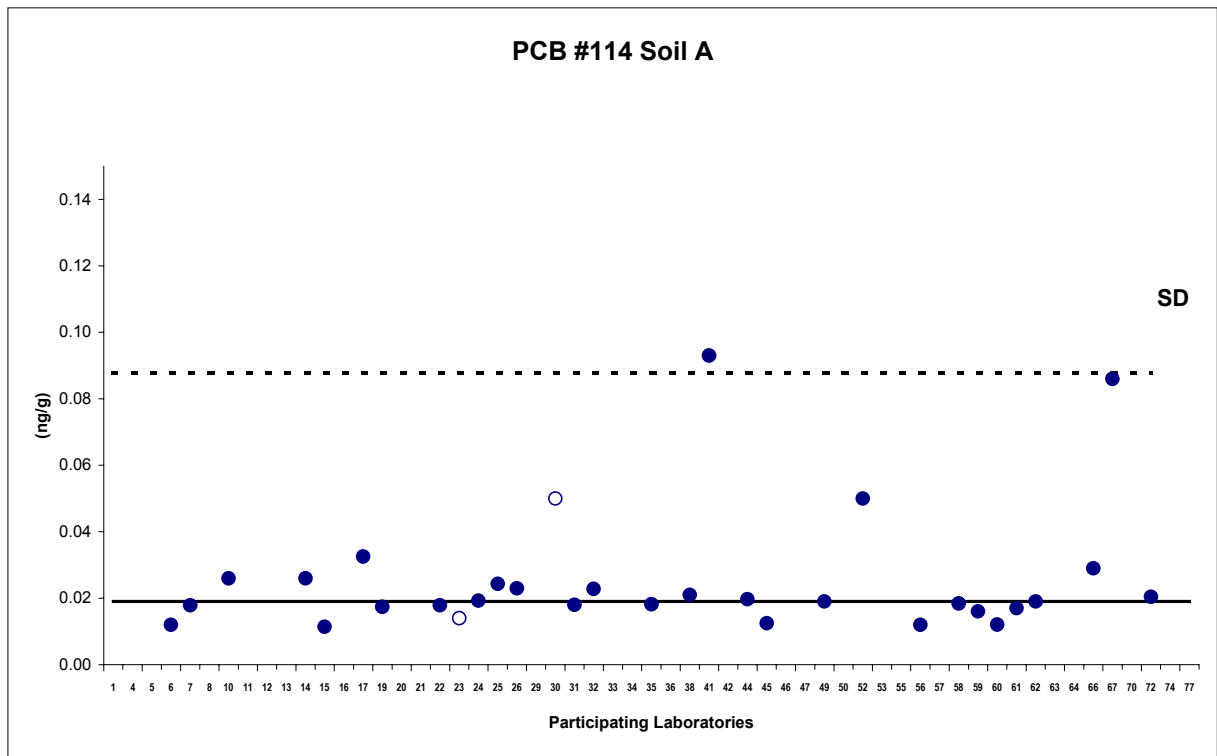
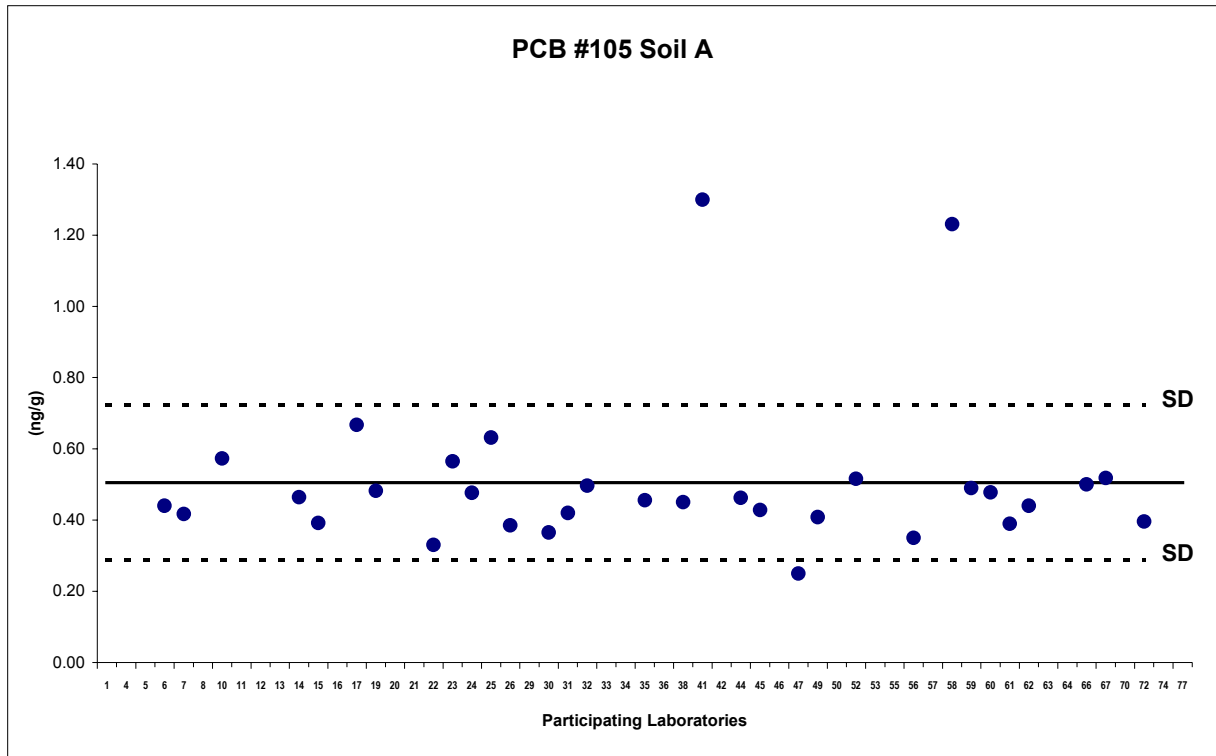


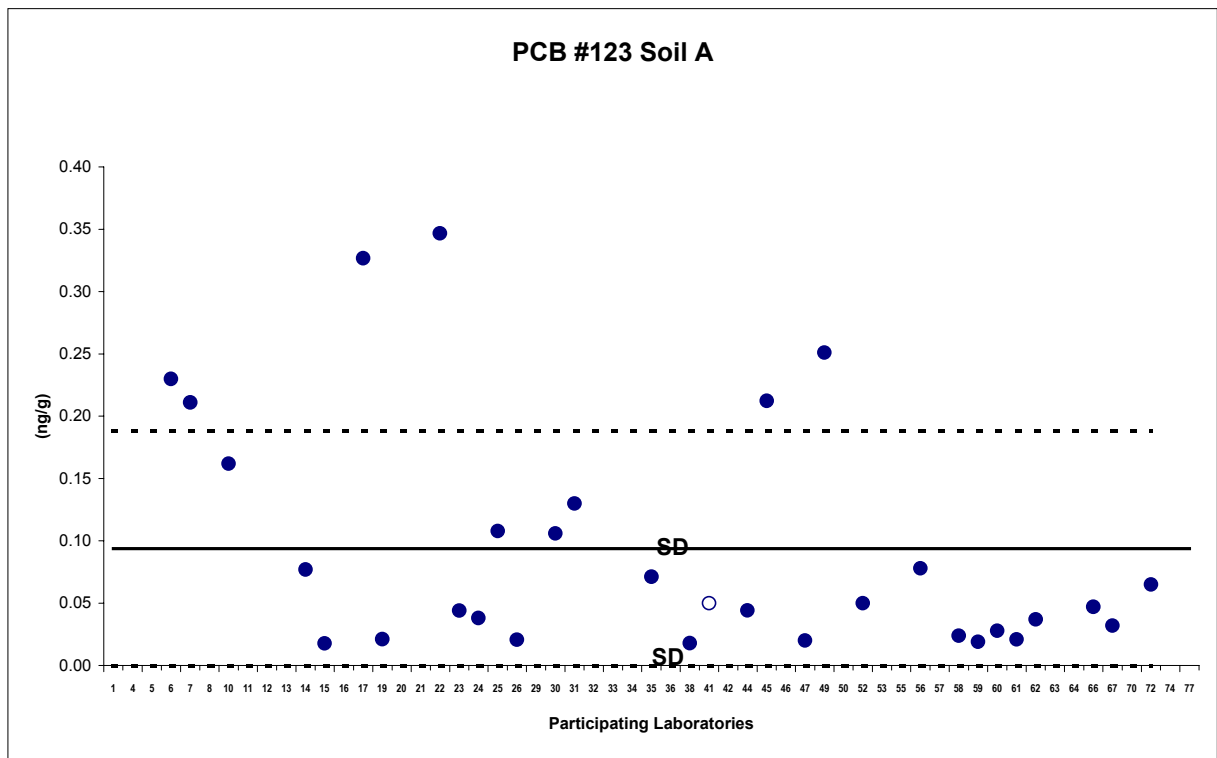
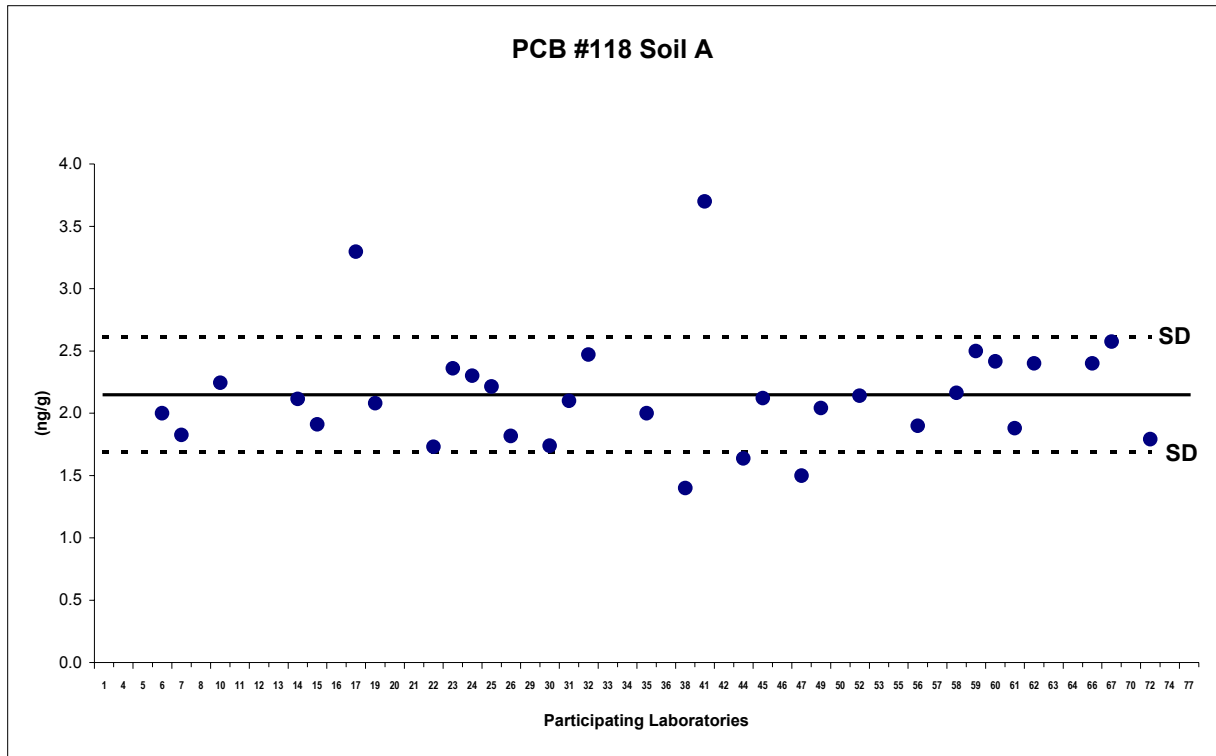


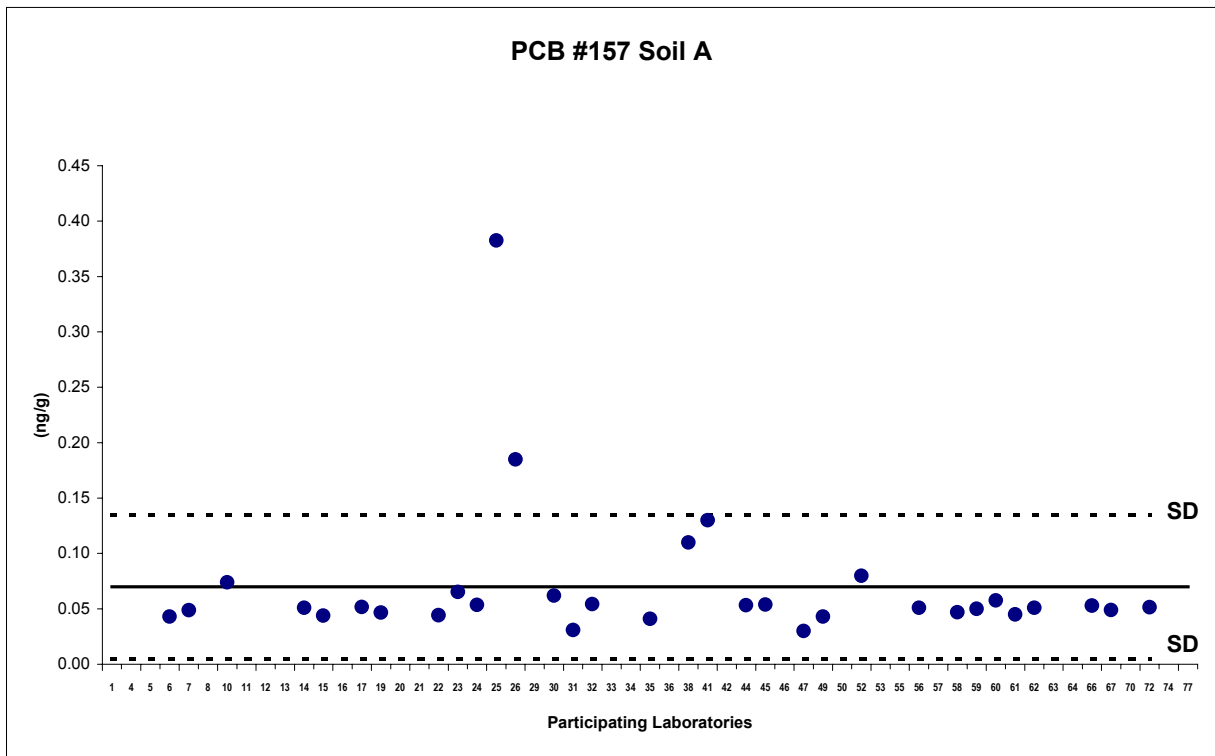
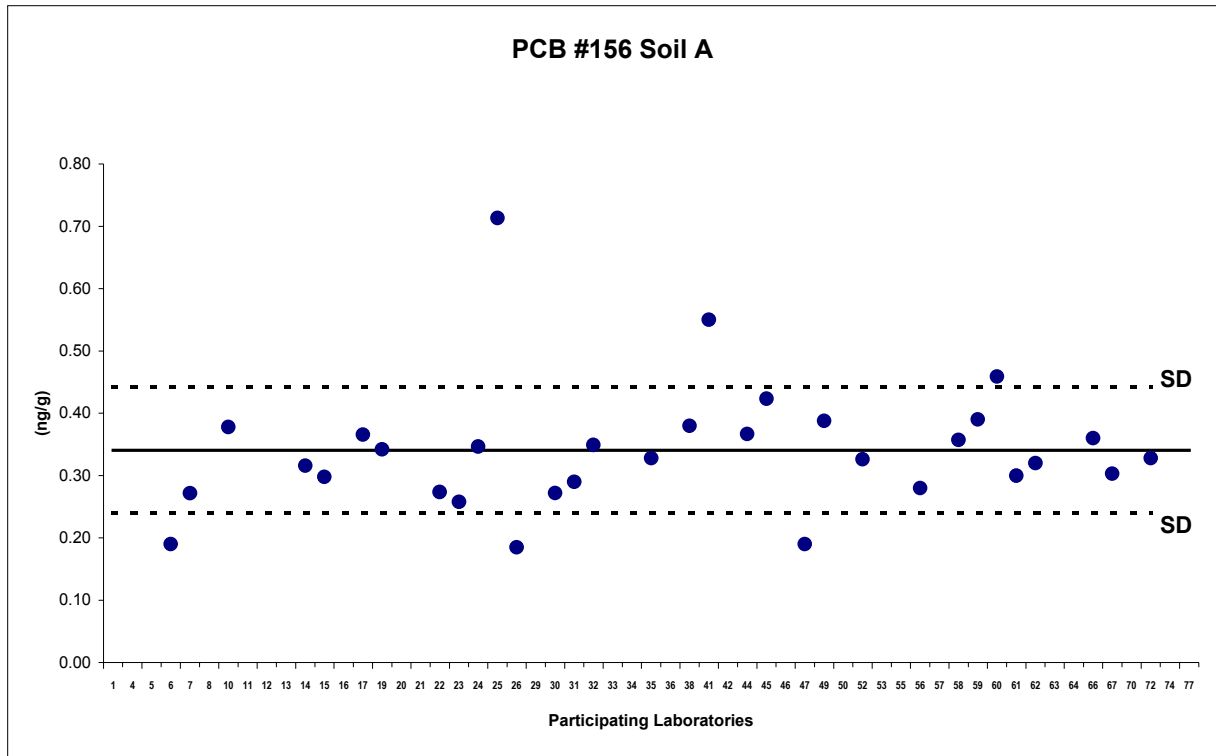


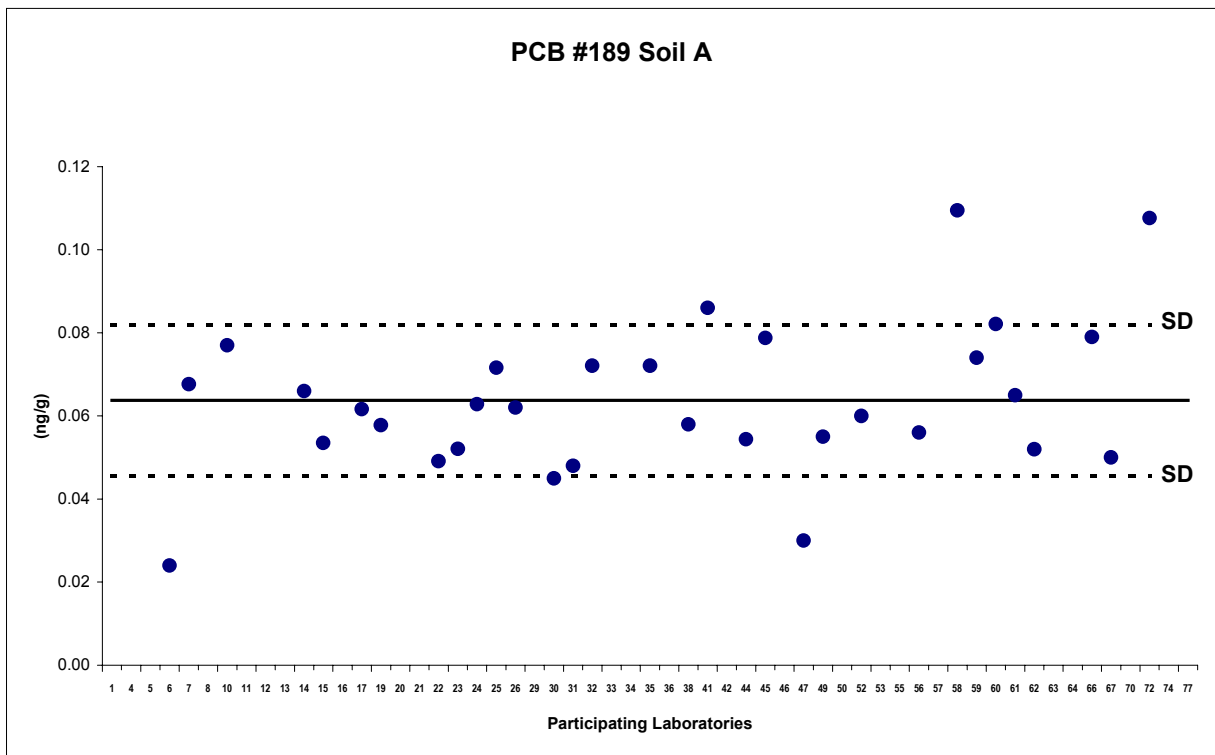
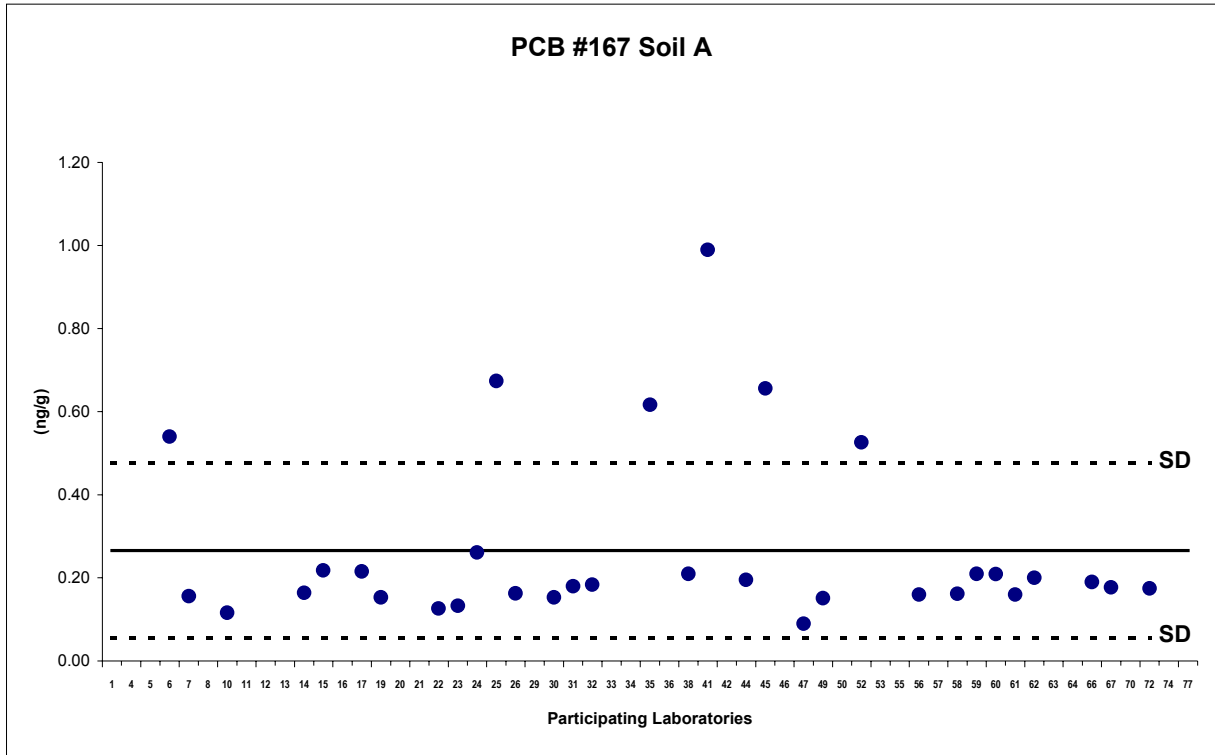












Participant code:	1	4	5	6	7	8	10	11	12	13	14	15	16
Weight Analysed:	10	10.00	NA	1.00	30.00	1.03	2.00	NA	SETOC	10.90	5.00	4.86	10.00
2,3,7,8-TeCDD	0.050	0.063	NA	0.047	0.059	0.041	0.064	0.082		0.011	0.056	0.055	0.071
1,2,3,7,8-PeCDD	0.006	0.005	NA	0.006	0.006	ND	0.008	0.006		0.002	<0.005	0.005	0.006
1,2,3,4,7,8-HxCDD	0.008	0.006	NA	0.007	0.005	ND	0.010	0.007		0.001	0.011	0.008	0.008
1,2,3,6,7,8-HxCDD	0.026	0.022	NA	0.023	0.017	0.035	0.035	0.022		0.002	0.033	0.021	0.030
1,2,3,7,8,9-HxCDD	0.013	0.009	NA	0.010	0.009	0.028	0.019	0.010		0.002	0.016	0.017	0.040
1,2,3,4,6,7,8-HpCDD	0.36	0.41	NA	0.29	0.30	0.40	0.55	0.33		0.07	0.38	0.34	0.46
OCDD	3.77	4.03	NA	3.00	3.09	3.42	8.69	3.14		0.96	4.05	3.21	1.90
2,3,7,8-TeCDF	0.0431	0.042	NA	0.029	0.058	0.058	0.064	0.088		0.023	0.045	0.042	0.084
1,2,3,7,8-PeCDF	0.0465	0.048	NA	0.036	0.058	0.060	0.072	0.046		0.018	0.049	0.070	0.042
2,3,4,7,8-PeCDF	0.0527	0.050	NA	0.026	0.049	0.056	0.073	0.045		0.006	0.056	0.035	0.044
1,2,3,4,7,8-HxCDF	0.2168	0.213	NA	0.130	0.198	0.276	0.426	0.244		0.067	0.225	0.199	0.129
1,2,3,6,7,8-HxCDF	0.0764	0.069	NA	0.059	0.065	0.069	0.095	0.065		0.016	0.074	0.071	0.073
1,2,3,7,8,9-HxCDF	0.0343	0.027	NA	0.038	0.007	0.034	0.011	0.025		ND	0.007	0.005	0.005
2,3,4,6,7,8-HxCDF	0.0604	0.042	NA	0.004	0.037	ND	0.069	0.041		0.006	0.051	0.033	0.046
1,2,3,4,6,7,8-HpCDF	0.84	0.92	NA	1.20	0.60	0.88	1.18	0.68		0.22	0.90	0.82	1.20
1,2,3,4,7,8,9-HpCDF	0.11	0.09	NA	0.07	0.09	0.12	0.15	0.11		0.02	0.11	0.10	0.13
OCDF	4.54	4.40	NA	3.00	3.68	4.54	7.01	3.93		2.30	4.57	4.03	2.13
<b>TEQ (PCDD/DF)</b>	<b>0.15</b>	<b>0.15</b>	<b>NA</b>	<b>0.12</b>	<b>0.14</b>	<b>0.14</b>	<b>0.21</b>	<b>0.18</b>		<b>0.03</b>	<b>0.15</b>	<b>0.13</b>	<b>0.16</b>
PCB #77	NA	NA	NA	7.80	6.90	NA	7.04	NA		NA	6.30	6.29	NA
PCB #126	NA	NA	NA	<0.7	0.31	NA	0.14	NA		NA	0.22	0.21	NA
PCB #169	NA	NA	NA	<0.05	0.025	NA	0.016	NA		NA	<0.010	0.021	NA
<b>TEQ (including PCBs)</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>0.13</b>	<b>0.17</b>	<b>NA</b>	<b>0.22</b>	<b>NA</b>		<b>NA</b>	<b>0.17</b>	<b>0.16</b>	<b>NA</b>
Other PCBs (Optional)													
PCB #81	NA	NA	NA	1.00	0.11	NA	1.33	NA		NA	0.18	0.17	NA
PCB #105	NA	NA	NA	14.0	14.7	NA	17.5	NA		NA	14.7	17.6	NA
PCB #114	NA	NA	NA	0.46	0.53	NA	0.85	NA		NA	0.53	0.37	NA
PCB #118	NA	NA	NA	34.0	31.1	NA	35.7	NA		NA	36.6	36.5	NA
PCB #123	NA	NA	NA	2.8	0.5	NA	6.1	NA		NA	1.8	0.7	NA
PCB #156	NA	NA	NA	6.4	6.5	NA	9.5	NA		NA	7.8	0.7	NA
PCB #157	NA	NA	NA	1.3	1.6	NA	1.7	NA		NA	1.6	1.5	NA
PCB #167	NA	NA	NA	15.0	3.4	NA	4.6	NA		NA	4.1	4.2	NA
PCB #189	NA	NA	NA	0.9	1.5	NA	1.5	NA		NA	1.3	1.4	NA
<b>TEQ Total</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>0.13</b>	<b>0.18</b>	<b>NA</b>	<b>0.23</b>	<b>NA</b>		<b>NA</b>	<b>0.20</b>	<b>0.16</b>	<b>NA</b>

\* all values in ng/g  
ND: not detected < than value expected  
NA: not analyzed

Soil B1

Participant code:	17	19	20	21	22	23	24	25	26	29	30	31	32
Weight Analysed:	1.02	10.09	NA	NA	40.00	5.00	7.74	15.15	5.00	5.00	5.00	7.22	10.00
2,3,7,8-TeCDD	0.068	0.043	NA	0.054	0.050	0.079	0.058	0.049	0.053	0.059	0.065	0.056	0.057
1,2,3,7,8-PeCDD	0.008	0.006	NA	0.007	0.007	0.005	0.008	0.007	0.008	0.006	0.029	0.007	0.009
1,2,3,4,7,8-HxCDD	0.010	0.011	NA	0.006	0.010	< 0.0052	0.011	0.008	0.012	0.006	0.009	0.007	ND
1,2,3,6,7,8-HxCDD	0.026	0.025	NA	0.021	0.030	0.028	0.029	0.026	0.033	0.021	0.025	0.023	0.022
1,2,3,7,8,9-HxCDD	0.016	0.013	NA	0.018	0.015	0.012	0.016	0.012	0.017	0.009	0.012	0.011	0.007
1,2,3,4,6,7,8-HpCDD	0.37	0.30	NA	0.38	0.67	0.31	0.46	0.37	0.65	0.29	0.39	0.33	0.33
OCDD	3.91	3.80	NA	3.13	5.79	3.54	4.74	3.02	5.24	3.39	3.46	3.40	3.47
2,3,7,8-TeCDF	0.047	0.054	NA	0.052	0.058	0.055	0.047	0.057	0.062	0.047	0.040	0.038	0.048
1,2,3,7,8-PeCDF	0.071	0.058	NA	0.051	0.063	0.066	0.053	0.037	0.064	0.046	0.054	0.044	0.053
2,3,4,7,8-PeCDF	0.044	0.056	NA	0.041	0.057	0.068	0.059	0.056	0.053	0.054	0.045	0.046	0.050
1,2,3,4,7,8-HxCDF	0.215	0.234	NA	0.252	0.186	0.239	0.204	0.235	0.198	0.199	0.235	0.260	0.185
1,2,3,6,7,8-HxCDF	0.076	0.091	NA	0.078	0.074	0.085	0.083	0.073	0.074	0.071	0.069	0.068	0.059
1,2,3,7,8,9-HxCDF	0.024	0.053	NA	0.011	0.056	0.032	0.010	0.035	0.030	0.047	0.006	0.005	0.030
2,3,4,6,7,8-HxCDF	0.046	0.032	NA	0.061	0.037	0.043	0.066	0.005	0.068	0.003	0.039	0.040	ND
1,2,3,4,6,7,8-HpCDF	0.84	0.74	NA	0.65	0.83	0.65	0.87	0.71	0.91	0.69	0.70	0.76	0.64
1,2,3,4,7,8,9-HpCDF	0.11	0.10	NA	0.10	0.10	0.09	0.14	0.08	0.11	0.09	0.08	0.09	0.10
OCDF	4.67	3.90	NA	3.98	4.74	4.74	4.95	4.13	1.06	4.39	4.57	4.20	4.35
<b>TEQ (PCDD/DF)</b>	<b>0.16</b>	<b>0.14</b>	<b>NA</b>	<b>0.15</b>	<b>0.15</b>	<b>0.18</b>	<b>0.16</b>	<b>0.14</b>	<b>0.16</b>	<b>0.14</b>	<b>0.18</b>	<b>0.15</b>	<b>0.14</b>
PCB #77	6.02	6.88	NA	NA	6.02	6.93	5.51	5.75	6.38	NA	6.53	6.20	6.19
PCB #126	0.17	0.27	NA	NA	0.14	0.14	0.17	0.15	0.15	NA	0.19	0.18	0.21
PCB #169	0.024	<0.01	NA	NA	0.020	0.022	0.019	0.020	0.060	NA	0.033	0.023	0.023
<b>TEQ (including PCBs)</b>	<b>0.19</b>	<b>0.17</b>	<b>NA</b>	<b>NA</b>	<b>0.16</b>	<b>0.20</b>	<b>0.18</b>	<b>0.16</b>	<b>0.17</b>	<b>NA</b>	<b>0.19</b>	<b>0.17</b>	<b>0.16</b>
Other PCBs (Optional)													
PCB #81	NA	0.58	NA	NA	0.10	0.19	0.11	0.14	0.12	NA	0.81	0.14	0.16
PCB #105	15.8	17.9	NA	NA	14.7	15.3	13.9	12.5	15.4	NA	15.6	10.0	11.2
PCB #114	0.61	0.27	NA	NA	1.15	0.75	0.64	0.48	0.75	NA	0.51	0.60	0.73
PCB #118	42.5	36.1	NA	NA	37.8	38.0	34.9	24.7	38.9	NA	39.8	38.0	15.0
PCB #123	3.0	0.6	NA	NA	6.7	0.6	0.6	1.6	0.9	NA	3.3	2.5	1.0
PCB #156	7.5	9.4	NA	NA	8.2	9.3	7.3	6.9	5.9	NA	7.8	7.8	8.0
PCB #157	1.3	1.6	NA	NA	1.4	1.6	1.5	1.4	5.9	NA	1.8	0.7	1.6
PCB #167	4.3	3.5	NA	NA	3.6	4.1	3.6	12.1	4.6	NA	4.5	5.2	4.3
PCB #189	1.3	0.8	NA	NA	1.2	1.4	1.2	1.2	1.6	NA	1.3	1.3	1.5
<b>TEQ Total</b>	<b>0.19</b>	<b>0.18</b>	<b>NA</b>	<b>NA</b>	<b>0.17</b>	<b>0.21</b>	<b>0.19</b>	<b>0.17</b>	<b>0.19</b>	<b>NA</b>	<b>0.21</b>	<b>0.17</b>	<b>0.17</b>
* all values in ng/g													
ND: not detected < than value expected													
NA: not analyzed													
Soil B2													

Participant code:	33	34	35	36	38	41	42	44	45	46	47	49	50
Weight Analysed:	10.05	10.00	19.48	NA	20.00	2.52	NA	5.00	5.37	NA	10.10	5.00	20.00
2,3,7,8-TeCDD	0.042	0.005	0.053	0.055	0.057	0.073	NA	0.045	0.063	NA	0.050	0.061	0.027
1,2,3,7,8-PeCDD	0.008	0.001	0.005	0.007	0.013	0.007	NA	0.005	0.006	NA	0.006	0.007	0.009
1,2,3,4,7,8-HxCDD	0.004	0.001	0.008	0.008	0.009	0.008	NA	0.006	0.007	NA	0.006	0.007	0.003
1,2,3,6,7,8-HxCDD	0.015	0.001	0.021	0.025	0.028	0.029	NA	0.020	0.024	NA	0.020	0.024	0.015
1,2,3,7,8,9-HxCDD	0.008	0.001	0.012	0.014	0.018	0.027	NA	0.011	0.018	NA	0.020	0.012	0.004
1,2,3,4,6,7,8-HpCDD	0.29	0.05	0.36	0.41	0.38	0.38	NA	0.33	0.37	NA	0.40	0.36	0.35
OCDD	17.58	0.28	4.07	4.35	4.00	4.16	NA	3.01	3.79	NA	3.50	3.70	10.15
2,3,7,8-TeCDF	0.051	0.018	0.049	0.049	0.053	0.054	NA	0.037	0.047	NA	0.040	0.046	0.043
1,2,3,7,8-PeCDF	0.030	0.037	0.047	0.079	0.094	0.089	NA	0.038	0.046	NA	0.040	0.046	0.127
2,3,4,7,8-PeCDF	0.067	0.012	0.041	0.062	0.054	0.046	NA	0.036	0.047	NA	0.050	0.038	0.120
1,2,3,4,7,8-HxCDF	0.251	0.133	0.210	0.245	0.220	0.247	NA	0.184	0.269	NA	0.310	0.210	0.161
1,2,3,6,7,8-HxCDF	0.067	0.034	0.077	0.093	0.082	0.150	NA	0.061	0.077	NA	0.080	0.074	0.058
1,2,3,7,8,9-HxCDF	0.020	0.006	0.006	0.054	0.031	0.074	NA	0.006	0.004	NA	0.020	0.006	0.058
2,3,4,6,7,8-HxCDF	0.030	0.004	0.053	0.037	0.050	0.030	NA	0.037	0.053	NA	0.060	0.043	0.033
1,2,3,4,6,7,8-HpCDF	0.83	0.13	0.81	0.91	0.86	0.91	NA	0.72	0.82	NA	0.87	0.83	0.80
1,2,3,4,7,8,9-HpCDF	0.09	0.06	0.10	0.14	0.12	0.17	NA	0.09	0.10	NA	0.11	0.10	0.09
OCDF	3.23	0.48	4.24	4.65	4.30	5.81	NA	4.04	4.75	NA	4.20	4.48	4.51
<b>TEQ (PCDD/DF)</b>	<b>0.15</b>	<b>0.04</b>	<b>0.14</b>	<b>0.17</b>	<b>0.16</b>	<b>0.18</b>	<b>NA</b>	<b>0.12</b>	<b>0.16</b>	<b>NA</b>	<b>0.15</b>	<b>0.15</b>	<b>0.16</b>
PCB #77	4.86	0.50	7.35	NA	5.60	7.60	NA	5.46	6.89	NA	4.80	4.50	NA
PCB #126	0.16	0.02	0.36	NA	0.18	0.47	NA	0.16	0.78	NA	0.13	0.14	NA
PCB #169	0.017	0.003	<0.25	NA	0.023	<0.10	NA	0.019	0.022	NA	<0.006	0.015	NA
<b>TEQ (including PCBs)</b>	<b>0.15</b>	<b>0.04</b>	<b>0.17</b>	<b>NA</b>	<b>0.18</b>	<b>0.23</b>	<b>NA</b>	<b>0.14</b>	<b>0.24</b>	<b>NA</b>	<b>0.17</b>	<b>0.16</b>	<b>NA</b>
Other PCBs (Optional)													
PCB #81	NA	0.01	0.91	NA	0.14	0.88	NA	0.12	0.78	NA	0.35	0.49	NA
PCB #105	NA	NA	14.6	NA	12.0	17.0	NA	14.3	14.2	NA	9.6	14.0	NA
PCB #114	NA	NA	0.52	NA	0.51	0.14	NA	0.46	0.51	NA	9.10	0.61	NA
PCB #118	NA	NA	36.6	NA	12.0	44.0	NA	25.0	33.8	NA	30.5	34.3	NA
PCB #123	NA	NA	2.0	NA	0.9	<0.10	NA	0.6	3.1	NA	0.7	3.8	NA
PCB #156	NA	NA	7.9	NA	8.5	8.7	NA	6.9	8.0	NA	6.5	9.9	NA
PCB #157	NA	NA	1.5	NA	3.1	2.1	NA	1.3	1.6	NA	1.2	1.4	NA
PCB #167	NA	NA	14.0	NA	4.5	14.0	NA	3.5	13.5	NA	3.4	4.0	NA
PCB #189	NA	NA	1.5	NA	1.2	1.3	NA	0.9	1.8	NA	0.6	1.4	NA
<b>TEQ Total</b>	<b>NA</b>	<b>NA</b>	<b>0.17</b>	<b>NA</b>	<b>0.19</b>	<b>0.24</b>	<b>NA</b>	<b>0.14</b>	<b>0.25</b>	<b>NA</b>	<b>0.18</b>	<b>0.17</b>	<b>NA</b>

\* all values in ng/g  
ND: not detected < than value expected  
NA: not analyzed

Soil B3

Participant code:	52	53	55	56	57	58	59	60	61	62	63	64	66
Weight Analysed:	5.00	NA	1.00	10.00	10.00	10.00	15.12	9.93	6.30	10.34	10.43	8.51	10.14
2,3,7,8-TeCDD	0.049	NA	NA	0.064	0.060	0.057	0.074	0.064	0.057	0.061	0.056	0.063	0.063
1,2,3,7,8-PeCDD	0.007	NA	NA	0.007	0.009	0.009	0.005	0.006	0.008	0.007	0.007	0.006	0.007
1,2,3,4,7,8-HxCDD	0.010	NA	NA	0.008	0.011	0.007	0.011	0.008	0.008	0.008	0.008	0.007	0.007
1,2,3,6,7,8-HxCDD	0.023	NA	NA	0.023	0.029	0.024	0.028	0.024	0.029	0.028	0.025	0.026	0.021
1,2,3,7,8,9-HxCDD	0.042	NA	NA	0.013	0.028	0.016	0.019	0.013	0.016	0.027	0.015	0.020	0.011
1,2,3,4,6,7,8-HpCDD	0.36	NA	NA	0.35	0.47	0.36	0.43	0.38	0.36	0.33	0.40	0.36	0.34
OCDD	2.79	NA	NA	3.60	4.05	3.75	4.60	3.59	3.54	3.60	3.96	3.49	3.70
2,3,7,8-TeCDF	0.036	NA	NA	0.049	0.058	0.033	0.047	0.050	0.042	0.045	0.048	0.056	0.041
1,2,3,7,8-PeCDF	0.072	NA	NA	0.072	0.054	0.086	0.057	0.049	0.053	0.077	0.046	0.044	0.057
2,3,4,7,8-PeCDF	0.043	NA	NA	0.035	0.049	0.046	0.045	0.045	0.047	0.048	0.051	0.019	0.038
1,2,3,4,7,8-HxCDF	0.168	NA	NA	0.210	0.283	0.221	0.240	0.223	0.21	0.2	0.210	0.254	0.210
1,2,3,6,7,8-HxCDF	0.059	NA	NA	0.076	0.080	0.074	0.091	0.079	0.076	0.077	0.075	0.072	0.082
1,2,3,7,8,9-HxCDF	0.012	NA	NA	0.005	0.050	0.003	0.008	0.005	0.029	0.018	0.058	0.038	0.005
2,3,4,6,7,8-HxCDF	0.095	NA	NA	0.035	0.010	0.058	0.050	0.044	0.066	0.045	0.032	0.012	0.049
1,2,3,4,6,7,8-HpCDF	0.72	NA	NA	0.77	0.80	0.91	1.10	0.88	0.72	0.77	0.83	0.54	0.84
1,2,3,4,7,8,9-HpCDF	0.13	NA	NA	0.10	0.12	0.13	0.11	0.11	0.08	0.09	0.11	0.08	0.09
OCDF	4.78	NA	NA	4.20	6.68	4.39	5.20	4.12	3.66	3.80	4.98	4.44	4.40
<b>TEQ (PCDD/DF)</b>	<b>0.14</b>	<b>NA</b>	<b>1.20</b>	<b>0.15</b>	<b>0.17</b>	<b>0.15</b>	<b>0.17</b>	<b>0.15</b>	<b>0.15</b>	<b>0.15</b>	<b>0.15</b>	<b>0.14</b>	<b>0.15</b>
PCB #77	5.31	NA	NA	5.40	NA	7.11	6.30	5.87	7.08	6.4	NA	5.93	6.10
PCB #126	0.17	NA	NA	0.24	NA	0.29	0.20	0.19	0.16	0.18	NA	0.19	0.19
PCB #169	0.025	NA	NA	0.028	NA	0.026	0.023	0.024	0.022	0.022	NA	0.021	0.023
<b>TEQ (including PCBs)</b>	<b>0.16</b>	<b>NA</b>	<b>1.21</b>	<b>0.03</b>	<b>NA</b>	<b>0.18</b>	<b>0.19</b>	<b>0.17</b>	<b>0.17</b>	<b>0.17</b>	<b>NA</b>	<b>0.16</b>	<b>0.02</b>
Other PCBs (Optional)													
PCB #81	0.72	NA	NA	0.29	NA	0.13	0.15	0.15	0.12	0.21	NA	NA	0.15
PCB #105	14.0	NA	NA	12.0	NA	43.2	19.0	15.6	13.7	15.0	NA	NA	16.0
PCB #114	0.62	NA	NA	0.44	NA	0.69	0.46	0.67	0.56	0.61	NA	NA	0.68
PCB #118	33.8	NA	NA	34.0	NA	36.7	45.0	38.7	32.2	38.0	NA	NA	40.0
PCB #123	0.1	NA	NA	1.7	NA	0.7	0.7	0.9	0.7	0.9	NA	NA	2.0
PCB #156	7.4	NA	NA	6.7	NA	13.5	8.2	8.4	6.9	8.7	NA	NA	8.1
PCB #157	1.6	NA	NA	1.0	NA	1.3	1.5	1.7	1.4	1.7	NA	NA	1.7
PCB #167	11.4	NA	NA	4.1	NA	4.1	4.4	4.0	3.6	4.3	NA	NA	4.4
PCB #189	1.2	NA	NA	1.2	NA	1.4	1.3	1.4	1.2	1.5	NA	NA	1.4
<b>TEQ Total</b>	<b>0.17</b>	<b>NA</b>	<b>1.21</b>	<b>0.18</b>	<b>NA</b>	<b>0.20</b>	<b>0.20</b>	<b>0.19</b>	<b>0.18</b>	<b>0.18</b>	<b>NA</b>	<b>NA</b>	<b>0.18</b>

\* all values in ng/g  
ND: not detected < than value expected  
NA: not analyzed

Soil B4



Participant code:	67	70	72	74	77
Weight Analysed:	5.00	10.04	9.98	NA	4.04
2,3,7,8-TeCDD	0.063	0.068	0.061	NA	0.064
1,2,3,7,8-PeCDD	0.007	0.007	0.008	NA	0.009
1,2,3,4,7,8-HxCDD	0.008	0.006	0.007	NA	0.006
1,2,3,6,7,8-HxCDD	0.025	0.022	0.029	NA	0.025
1,2,3,7,8,9-HxCDD	0.012	0.014	0.015	NA	0.041
1,2,3,4,6,7,8-HpCDD	0.41	0.39	0.41	NA	0.33
OCDD	4.05	5.40	4.19	NA	2.71
2,3,7,8-TeCDF	0.046	0.049	0.050	NA	0.041
1,2,3,7,8-PeCDF	0.049	0.057	0.056	NA	0.037
2,3,4,7,8-PeCDF	0.046	0.052	0.050	NA	0.041
1,2,3,4,7,8-HxCDF	0.220	0.189	0.227	NA	0.194
1,2,3,6,7,8-HxCDF	0.063	0.069	0.088	NA	0.083
1,2,3,7,8,9-HxCDF	0.009	0.006	0.007	NA	0.022
2,3,4,6,7,8-HxCDF	0.044	0.056	0.047	NA	0.039
1,2,3,4,6,7,8-HpCDF	0.77	0.73	0.97	NA	0.66
1,2,3,4,7,8,9-HpCDF	0.11	0.11	0.12	NA	0.08
OCDF	4.93	4.19	4.33	NA	3.36
<b>TEQ (PCDD/DF)</b>	<b>0.15</b>	<b>0.16</b>	<b>0.16</b>	<b>NA</b>	<b>0.15</b>
PCB #77	5.79	NA	5.89	NA	NA
PCB #126	0.25	NA	0.19	NA	NA
PCB #169	<0.024	NA	0.024	NA	NA
<b>TEQ (including PCBs)</b>	<b>0.18</b>	<b>NA</b>	<b>0.18</b>	<b>NA</b>	<b>NA</b>
Other PCBs (Optional)					
PCB #81	0.35	NA	0.07	NA	NA
PCB #105	17.4	NA	15.2	NA	NA
PCB #114	2.17	NA	0.69	NA	NA
PCB #118	38.1	NA	29.8	NA	NA
PCB #123	0.9	NA	1.0	NA	NA
PCB #156	7.9	NA	8.0	NA	NA
PCB #157	1.5	NA	1.5	NA	NA
PCB #167	4.3	NA	4.3	NA	NA
PCB #189	1.3	NA	2.5	NA	NA
<b>TEQ Total</b>	<b>0.19</b>	<b>NA</b>	<b>0.19</b>	<b>NA</b>	<b>NA</b>
* all values in ng/g					
ND: not detected < than value expected      Soil B5					
NA: not analyzed					

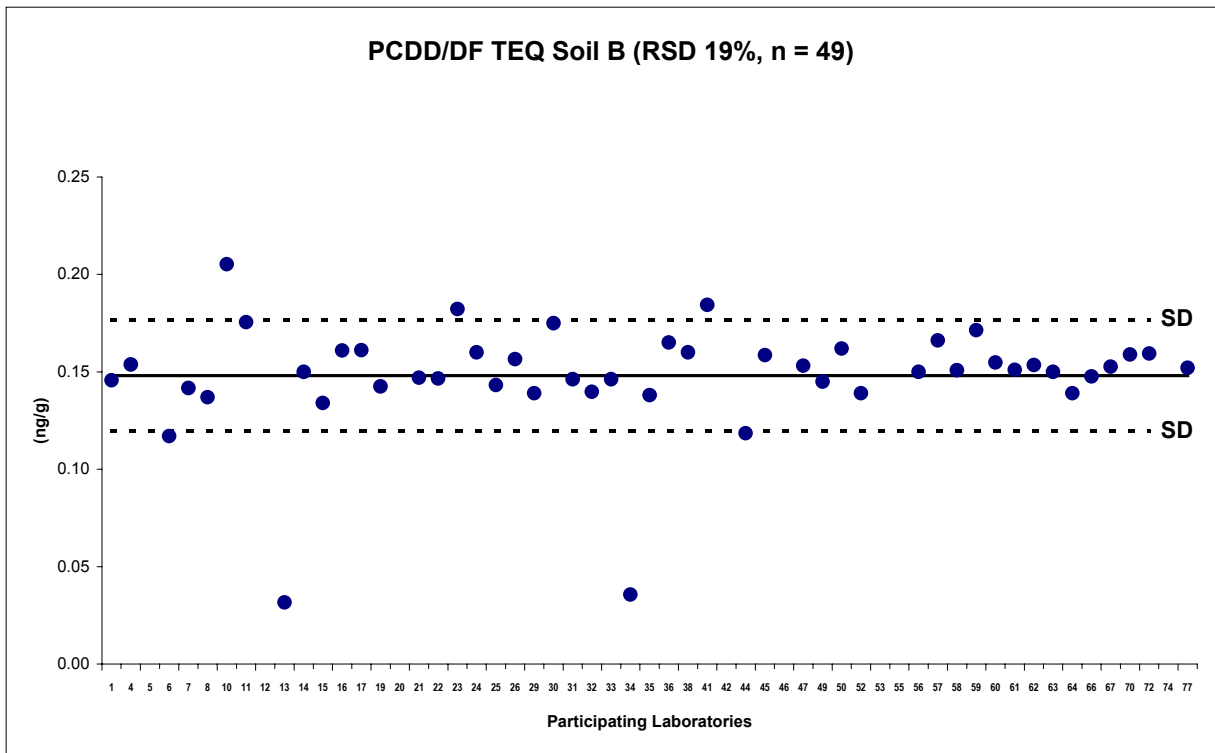
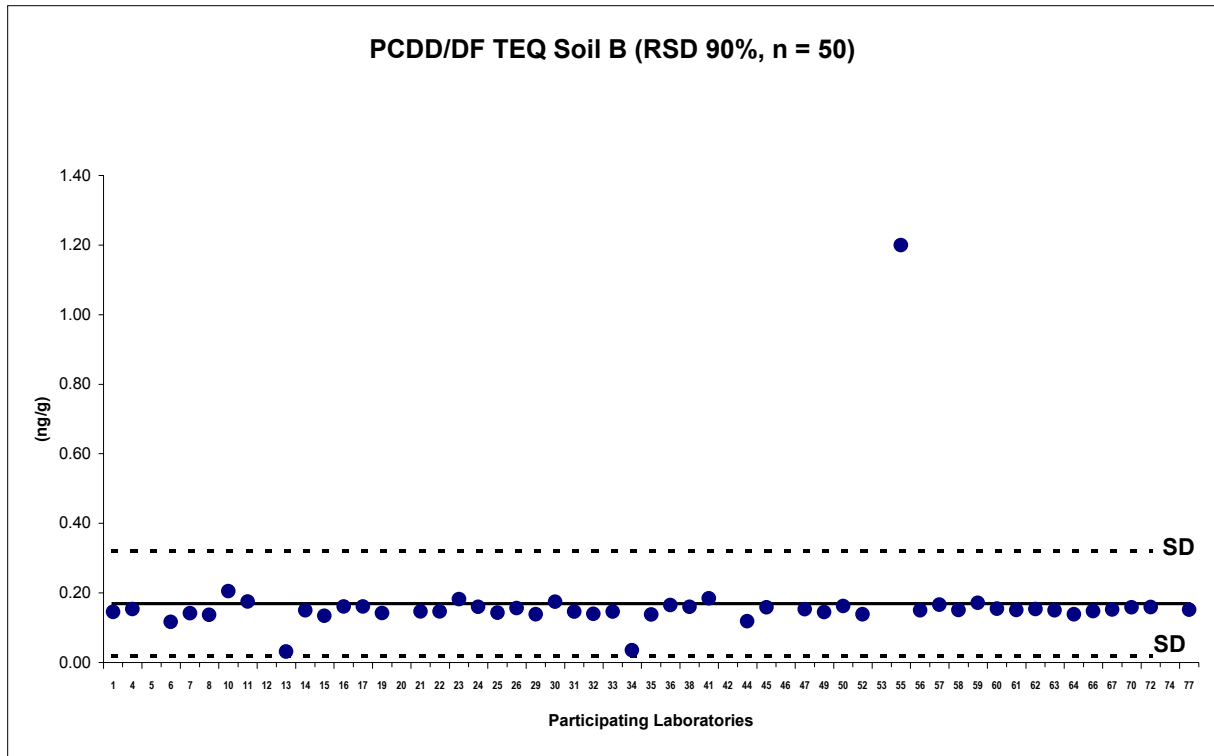
Participant code:						
Weight Analysed:						
	Average	Median	Min	Max	SD	%RSD
2,3,7,8-TeCDD	0.056	0.057	0.005	0.082	0.014	25%
1,2,3,7,8-PeCDD	0.007	0.007	0.001	0.029	0.004	52%
1,2,3,4,7,8-HxCDD	0.008	0.008	0.001	0.012	0.002	32%
1,2,3,6,7,8-HxCDD	0.024	0.025	0.001	0.035	0.006	27%
1,2,3,7,8,9-HxCDD	0.016	0.014	0.001	0.042	0.009	55%
1,2,3,4,6,7,8-HpCDD	0.37	0.36	0.05	0.67	0.10	27%
OCDD	4.12	3.70	0.28	17.58	2.46	60%
2,3,7,8-TeCDF	0.048	0.047	0.018	0.088	0.012	25%
1,2,3,7,8-PeCDF	0.056	0.053	0.018	0.127	0.018	33%
2,3,4,7,8-PeCDF	0.048	0.047	0.006	0.120	0.016	34%
1,2,3,4,7,8-HxCDF	0.218	0.215	0.067	0.426	0.052	24%
1,2,3,6,7,8-HxCDF	0.074	0.074	0.016	0.150	0.017	23%
1,2,3,7,8,9-HxCDF	0.023	0.019	0.003	0.074	0.019	83%
2,3,4,6,7,8-HxCDF	0.041	0.043	0.003	0.095	0.019	47%
1,2,3,4,6,7,8-HpCDF	0.79	0.82	0.13	1.20	0.19	24%
1,2,3,4,7,8,9-HpCDF	0.10	0.10	0.020	0.17	0.02	23%
OCDF	4.20	4.35	0.484	7.01	1.09	26%
<b>TEQ (PCDD/DF)</b>	<b>0.17</b>	<b>0.15</b>	<b>0.03</b>	<b>1.20</b>	<b>0.15</b>	<b>90%</b>
PCB #77	6.04	6.19	0.50	7.80	1.24	20%
PCB #126	0.21	0.18	0.02	0.78	0.13	58%
PCB #169	0.023	0.023	0.003	0.060	0.009	39%
<b>TEQ (including PCBs)</b>	<b>0.19</b>	<b>0.17</b>	<b>0.02</b>	<b>1.21</b>	<b>0.18</b>	<b>94%</b>
Other PCBs (Optional)						
PCB #81	0.35	0.16	0.01	1.33	0.34	97%
PCB #105	15.6	14.7	9.6	43.2	5.49	35%
PCB #114	0.90	0.60	0.14	9.10	1.53	171%
PCB #118	34.4	36.3	12.0	45.0	7.12	21%
PCB #123	1.7	0.9	0.1	6.7	1.58	92%
PCB #156	7.8	7.9	0.7	13.5	1.89	24%
PCB #157	1.7	1.5	0.7	5.9	0.86	52%
PCB #167	5.8	4.3	3.4	15.0	3.72	64%
PCB #189	1.3	1.3	0.6	2.5	0.32	24%
<b>TEQ Total</b>	<b>0.22</b>	<b>0.18</b>	<b>0.13</b>	<b>1.21</b>	<b>0.18</b>	<b>83%</b>

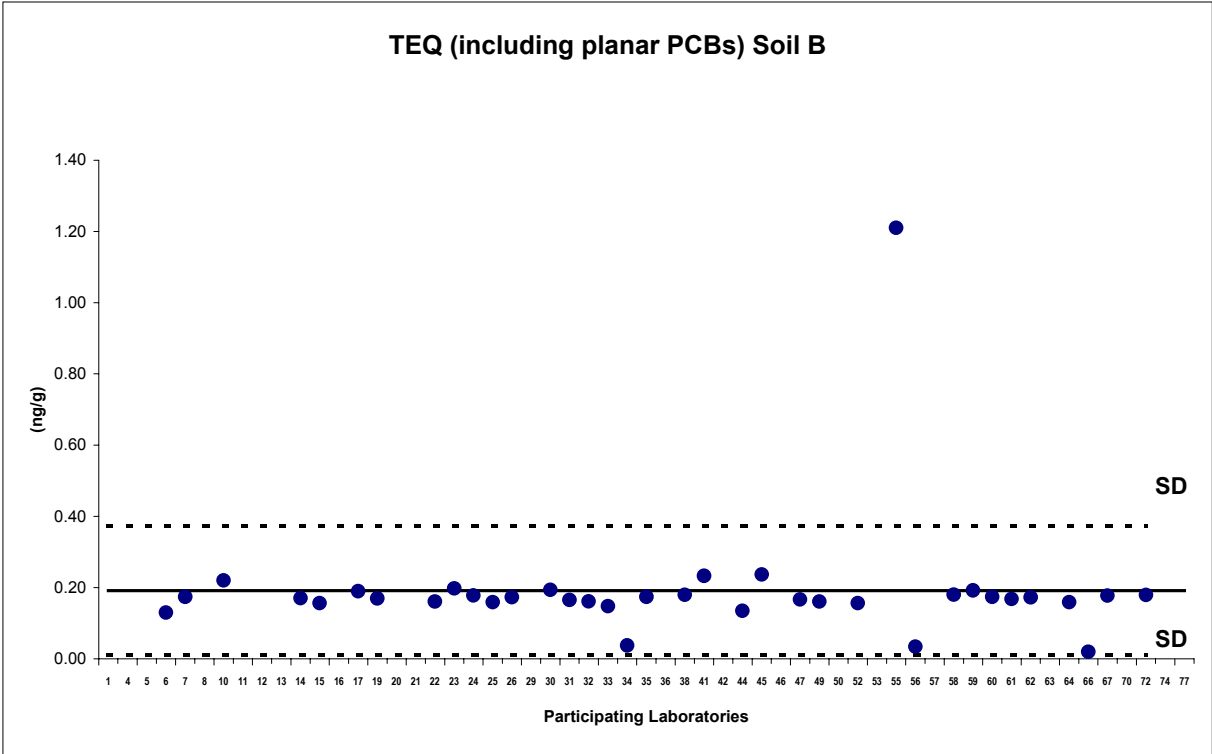
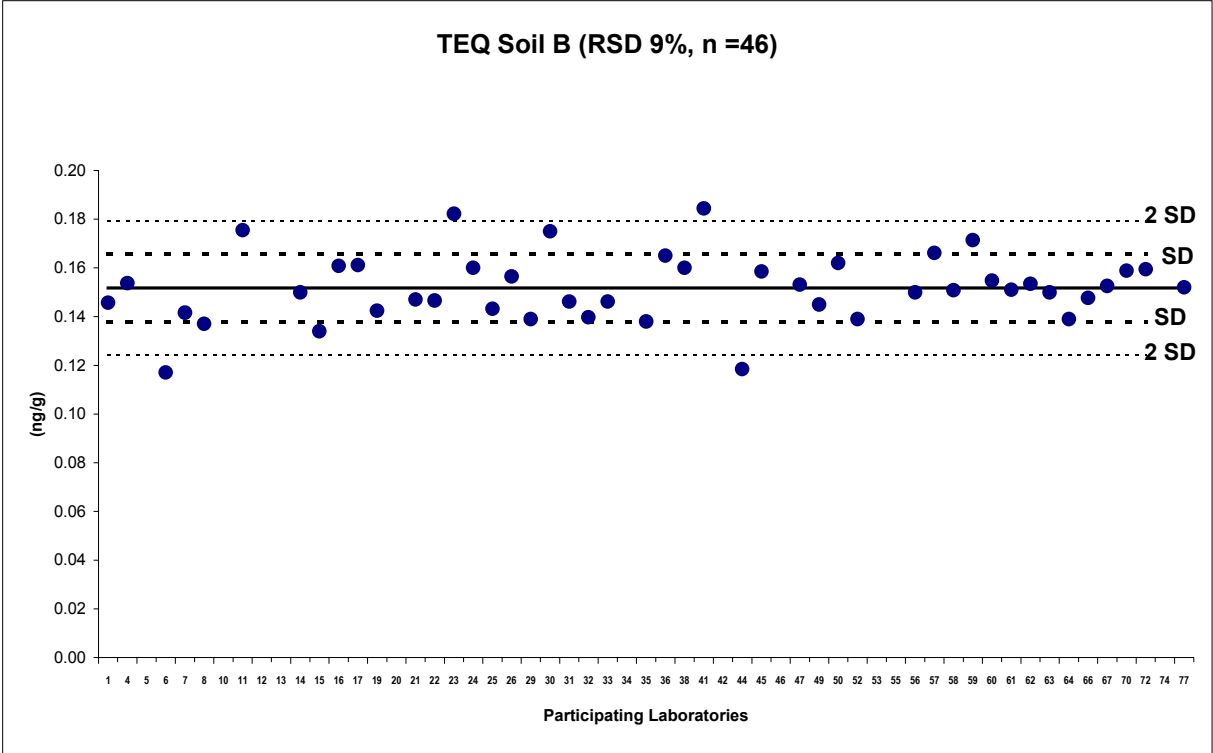
\* all values in ng/g

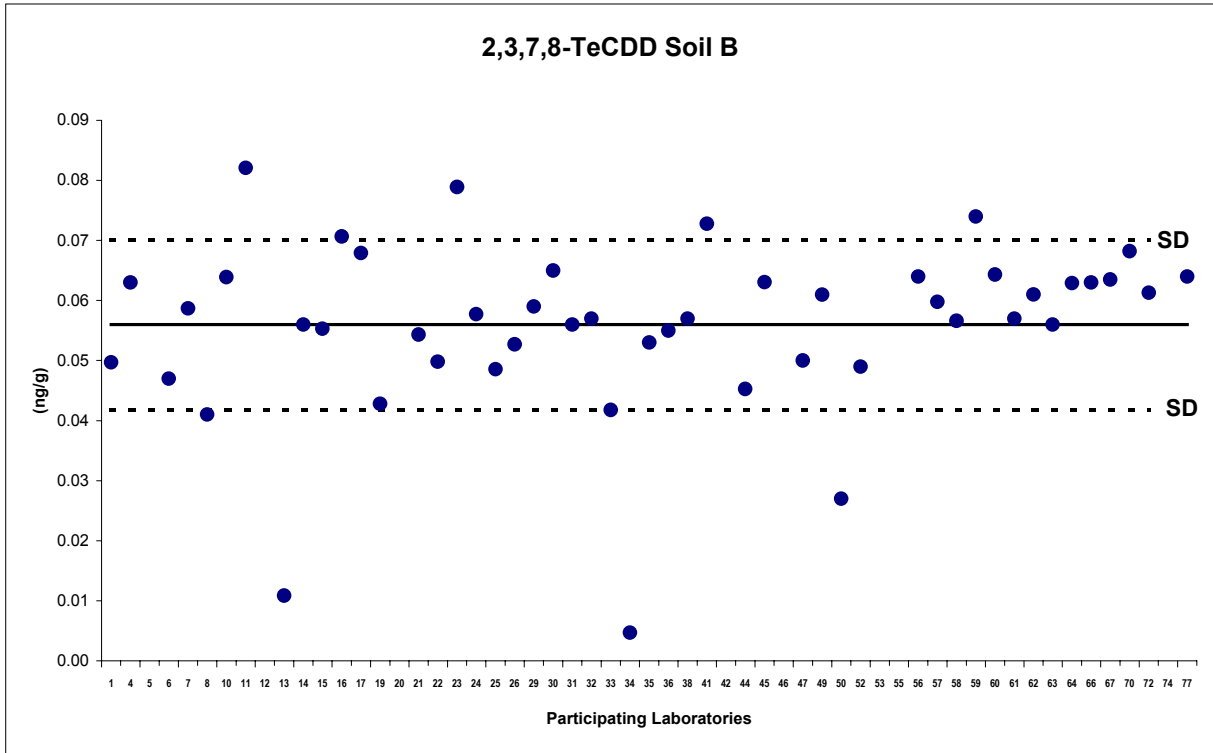
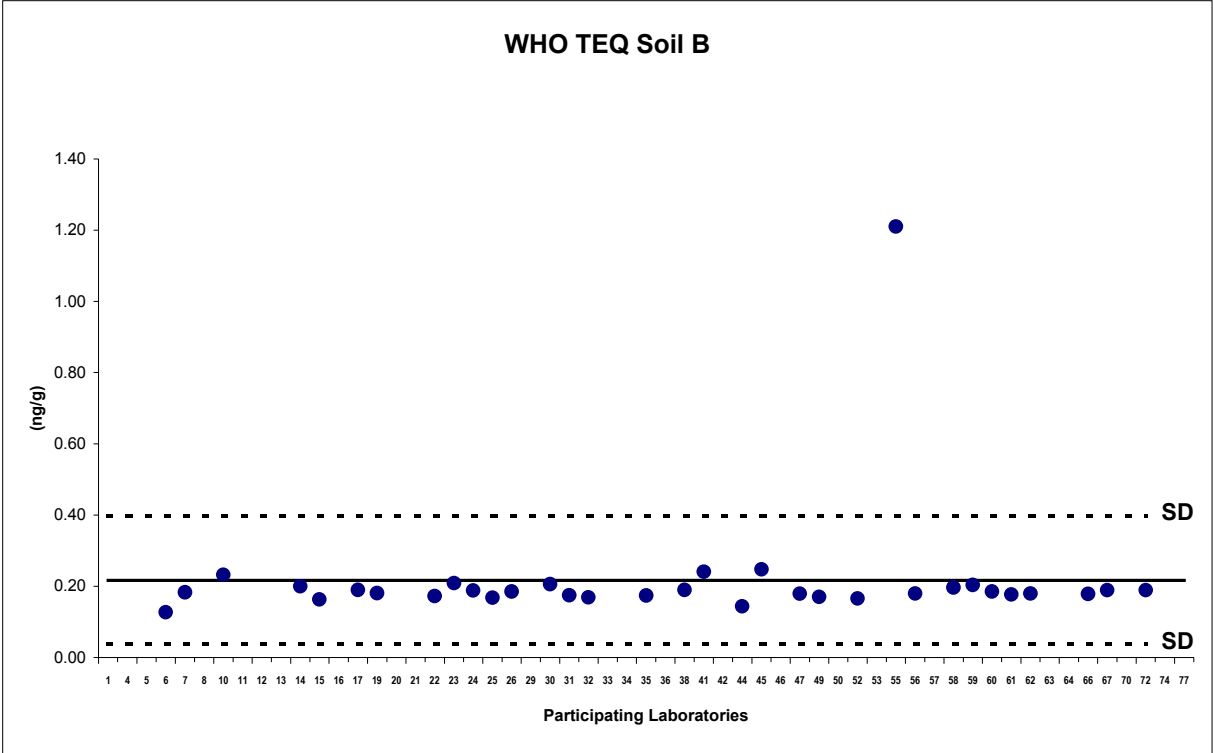
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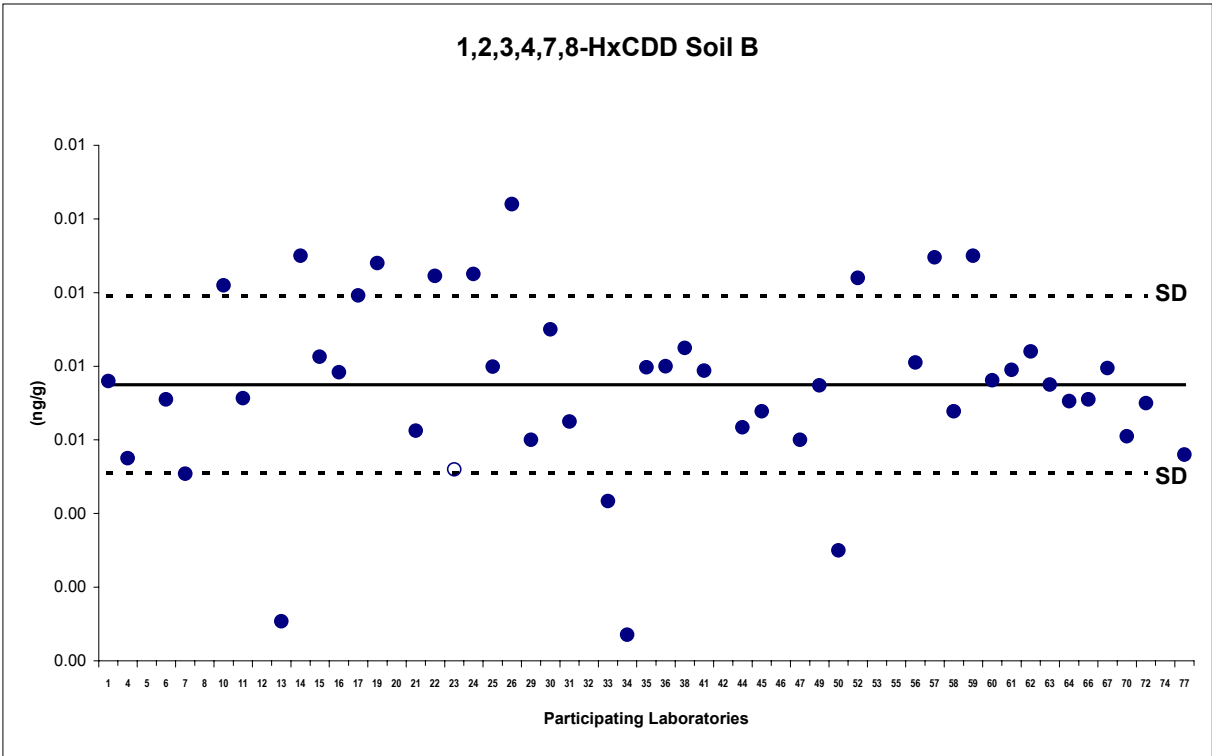
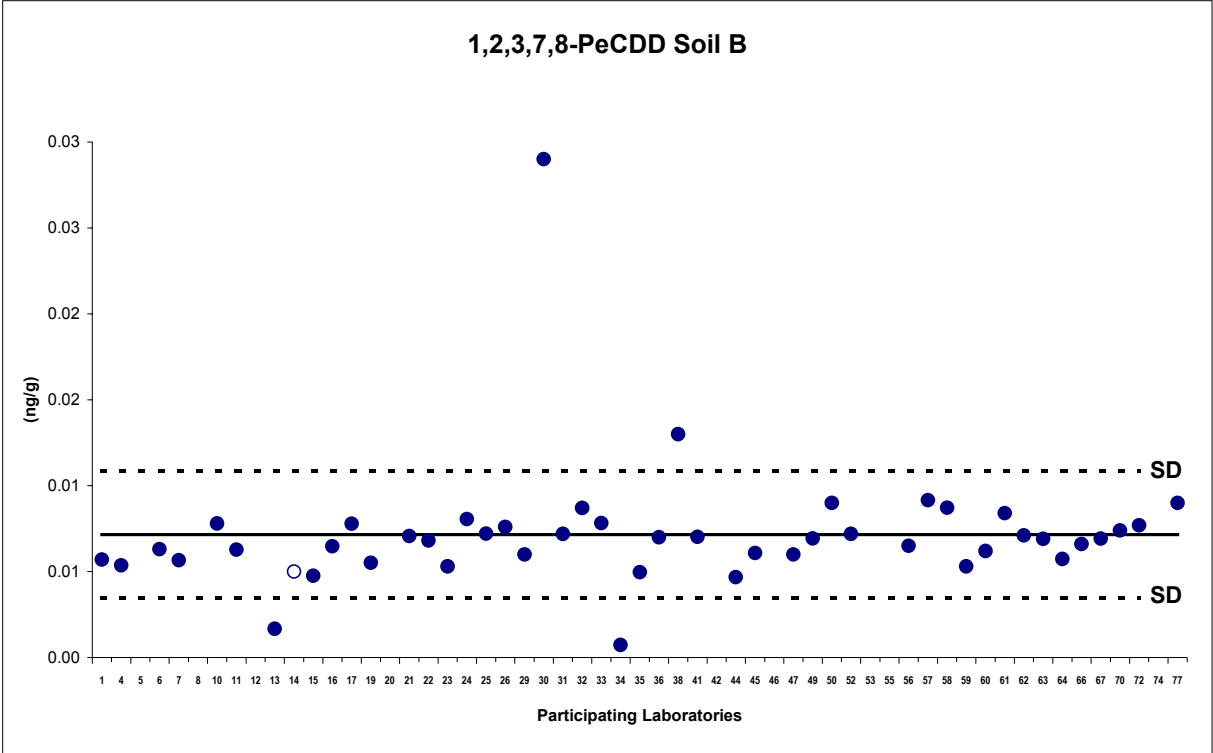
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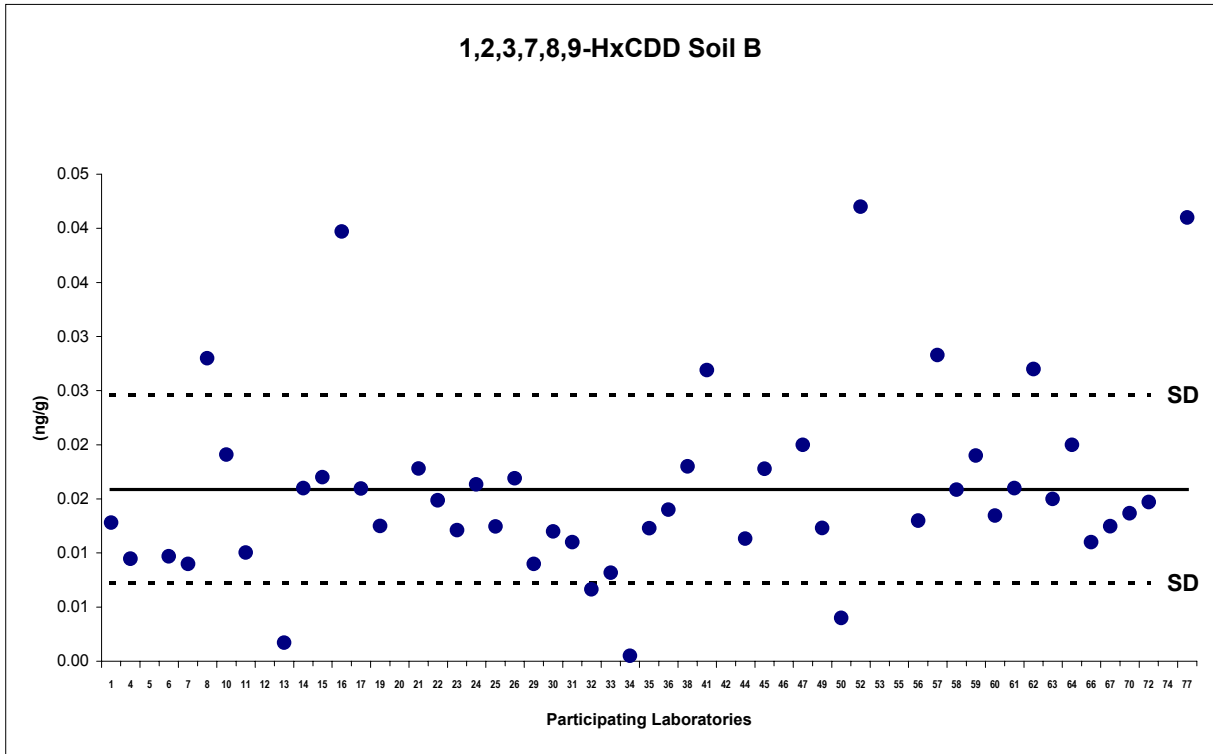
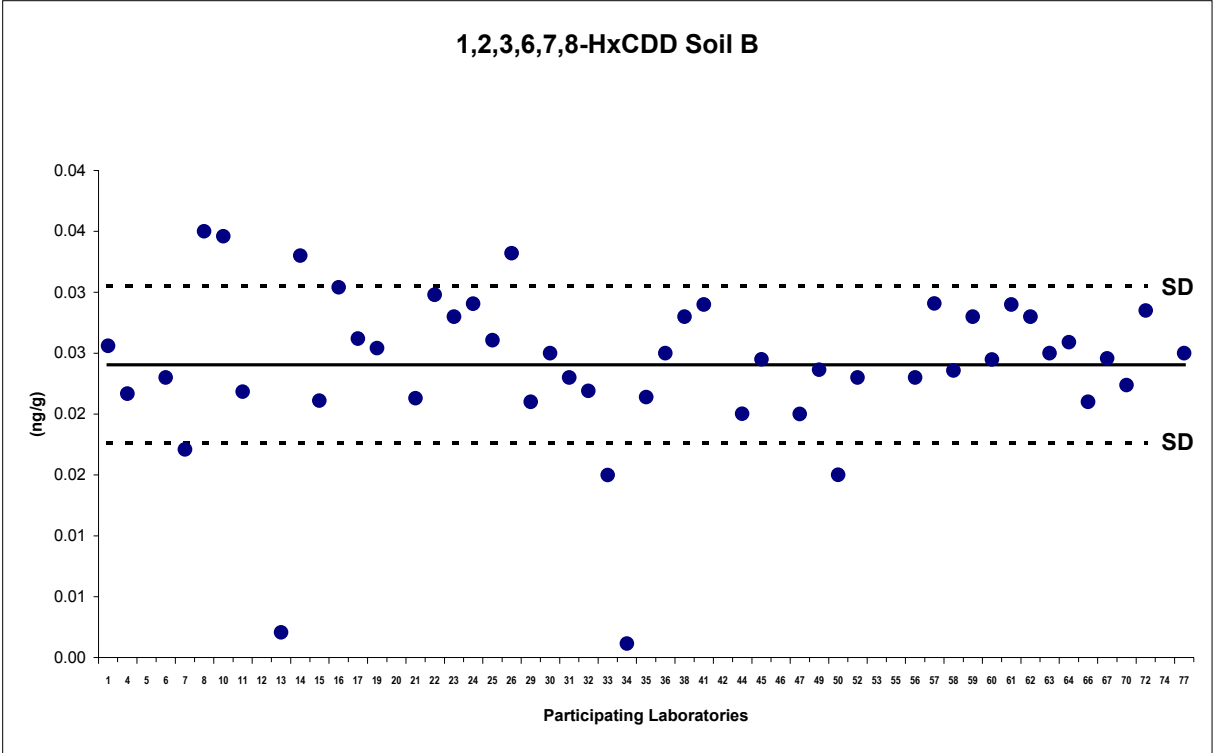
Soil B6

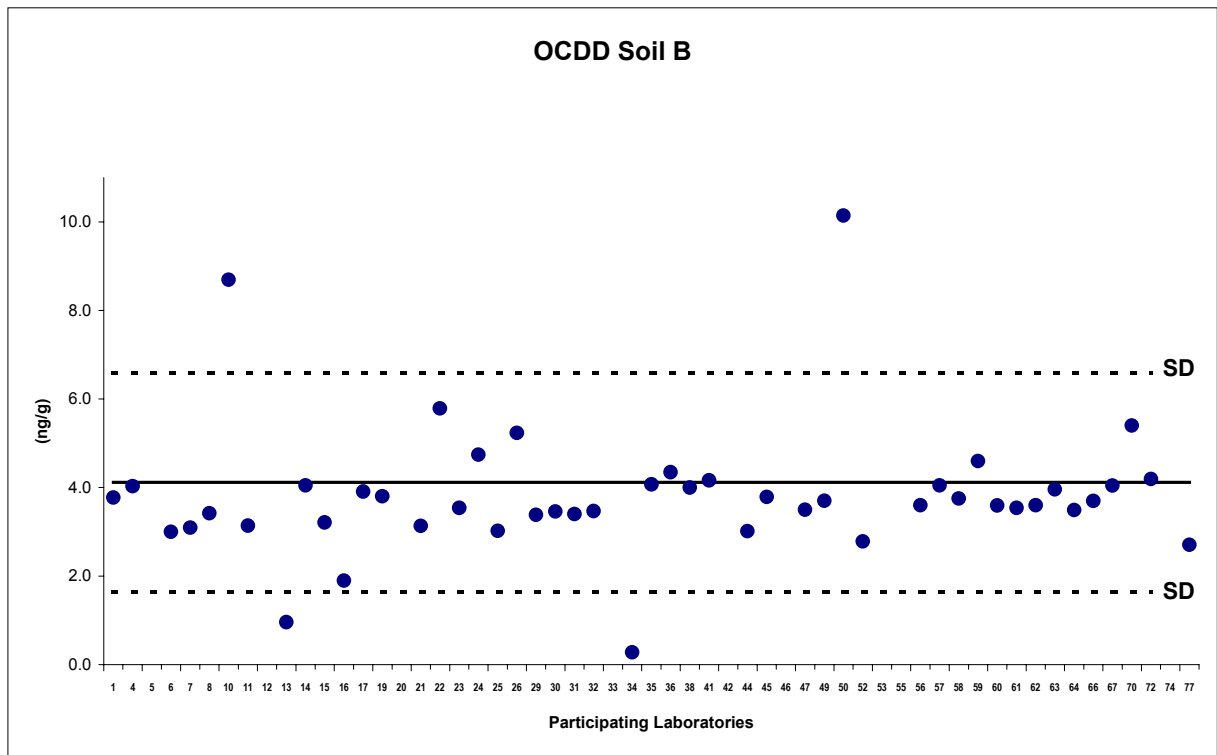
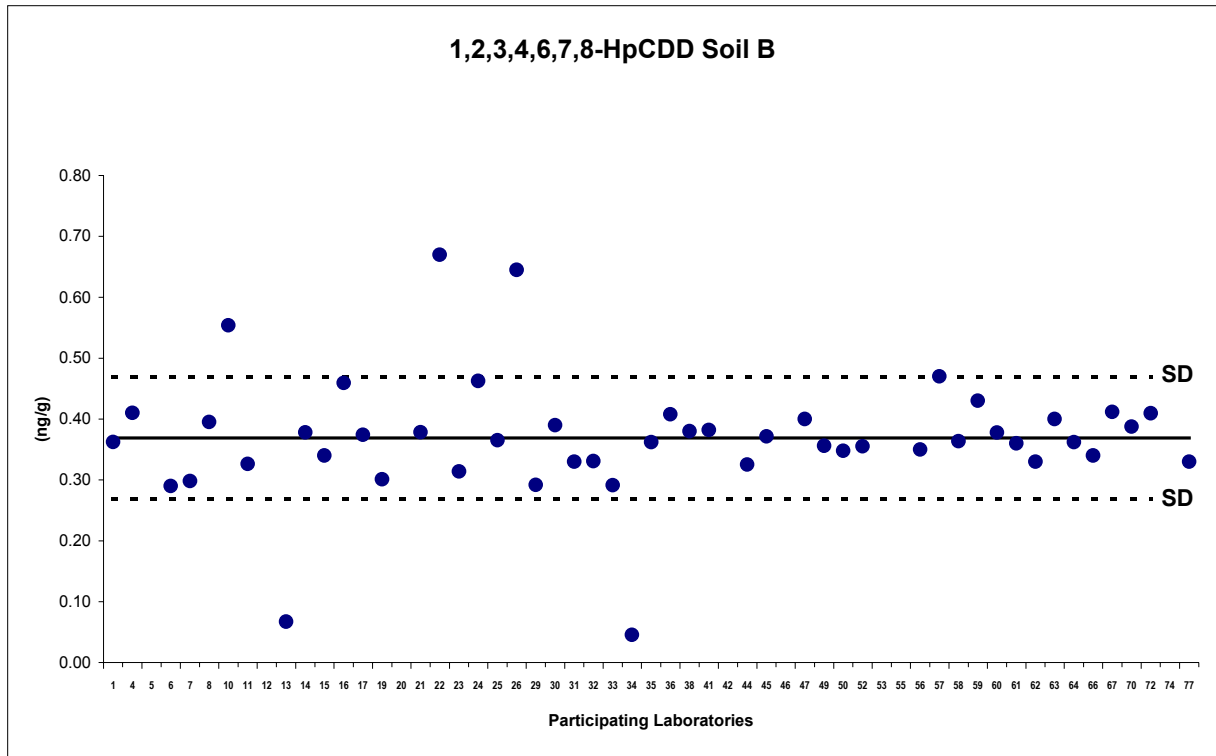




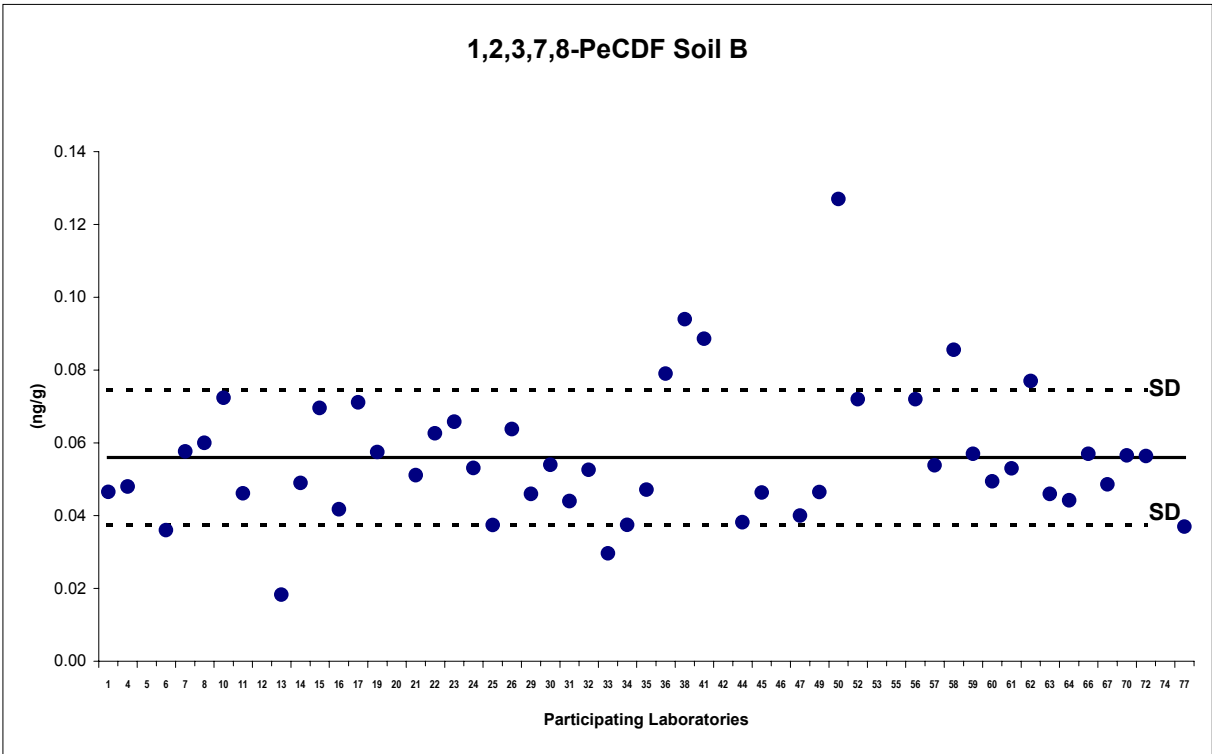
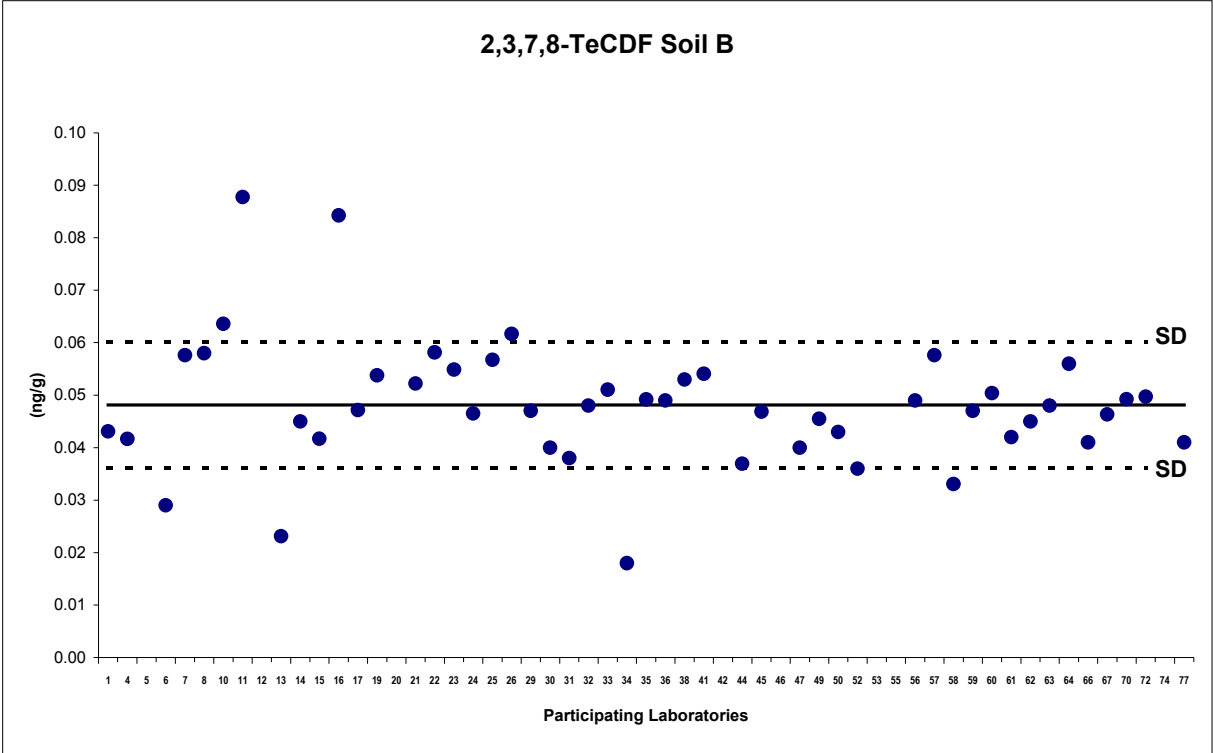


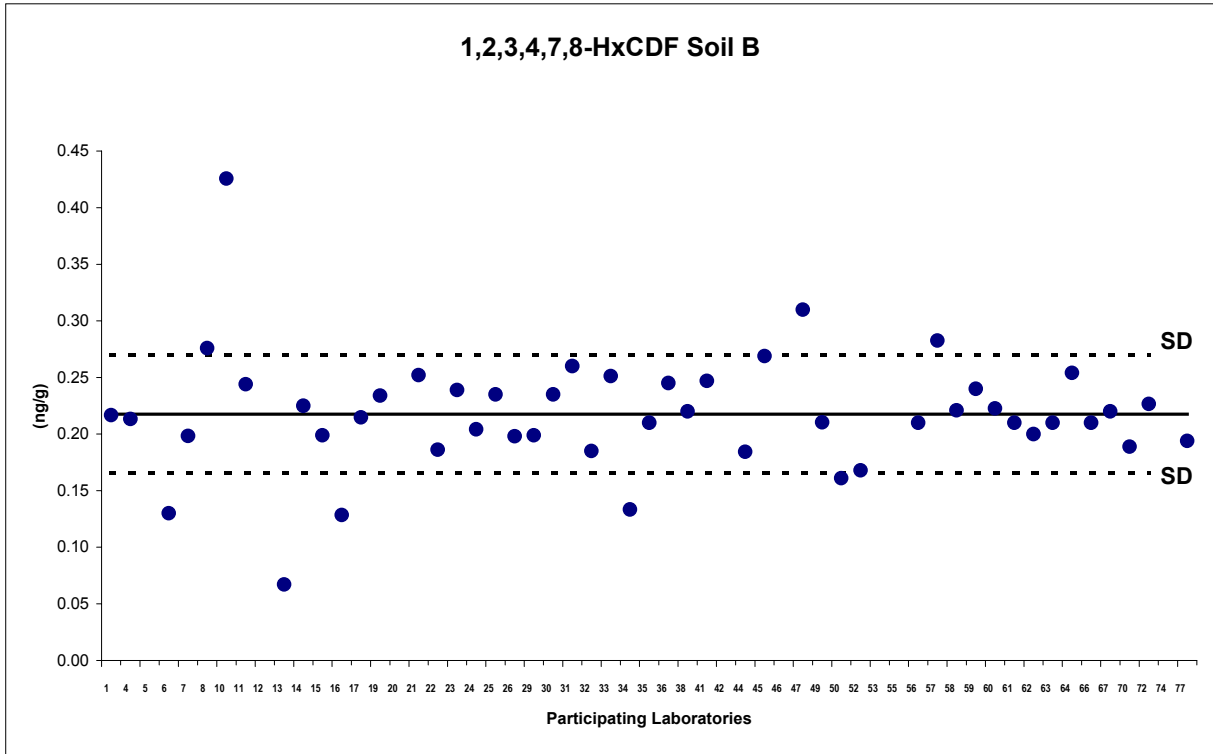
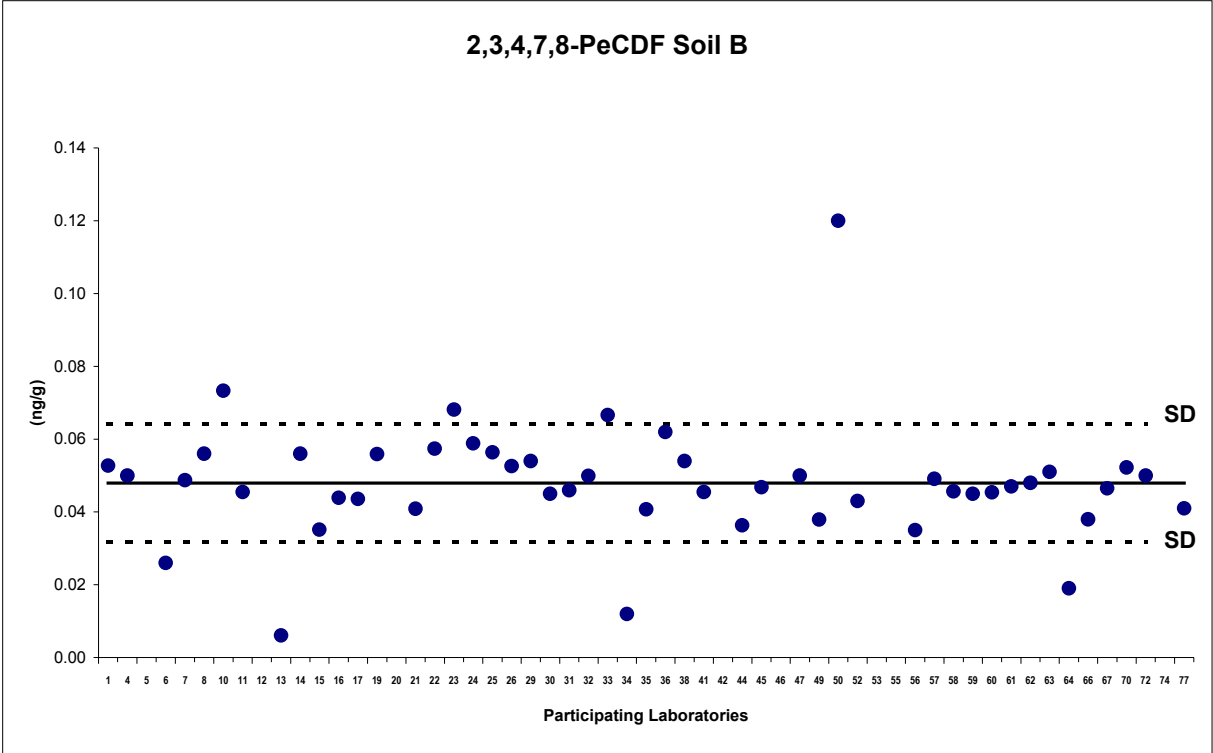


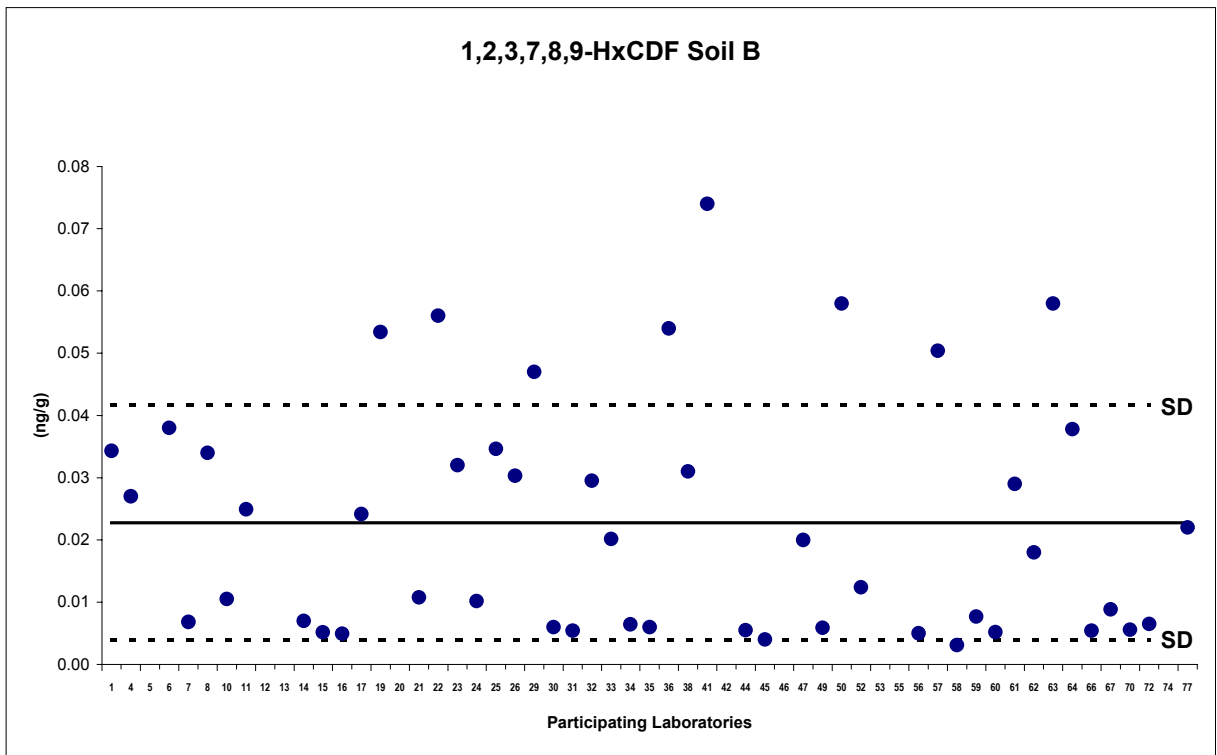
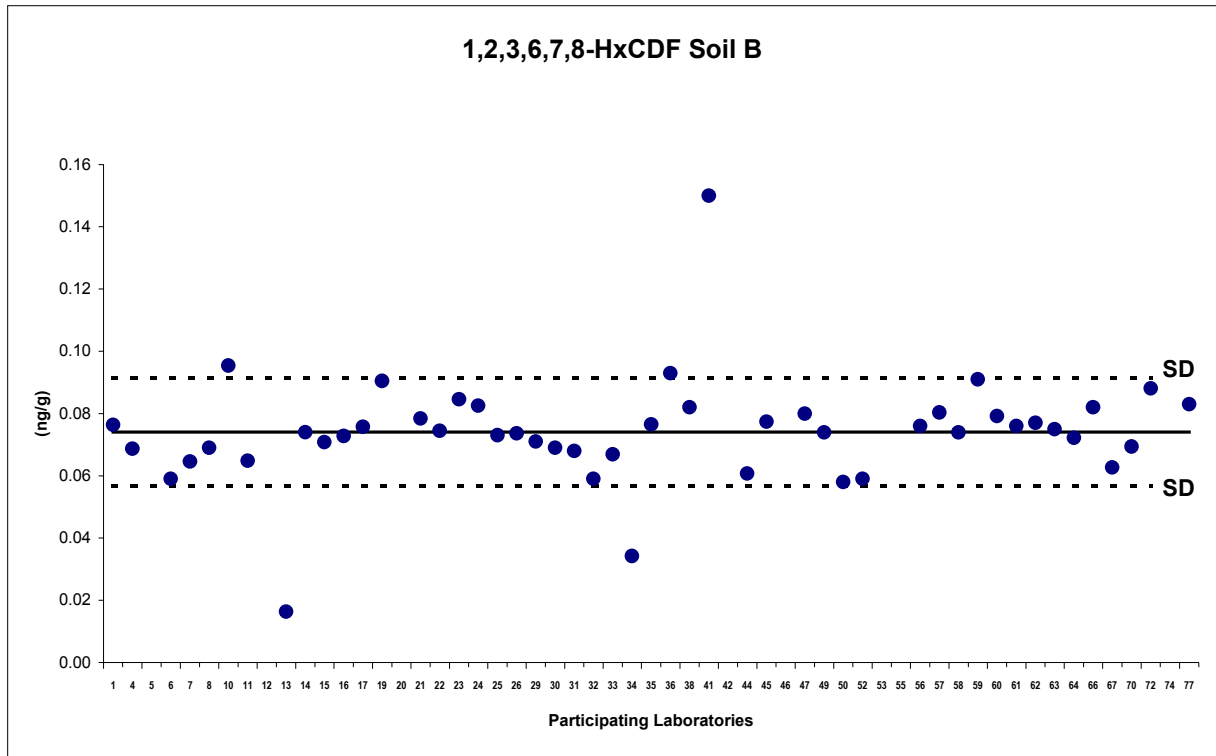


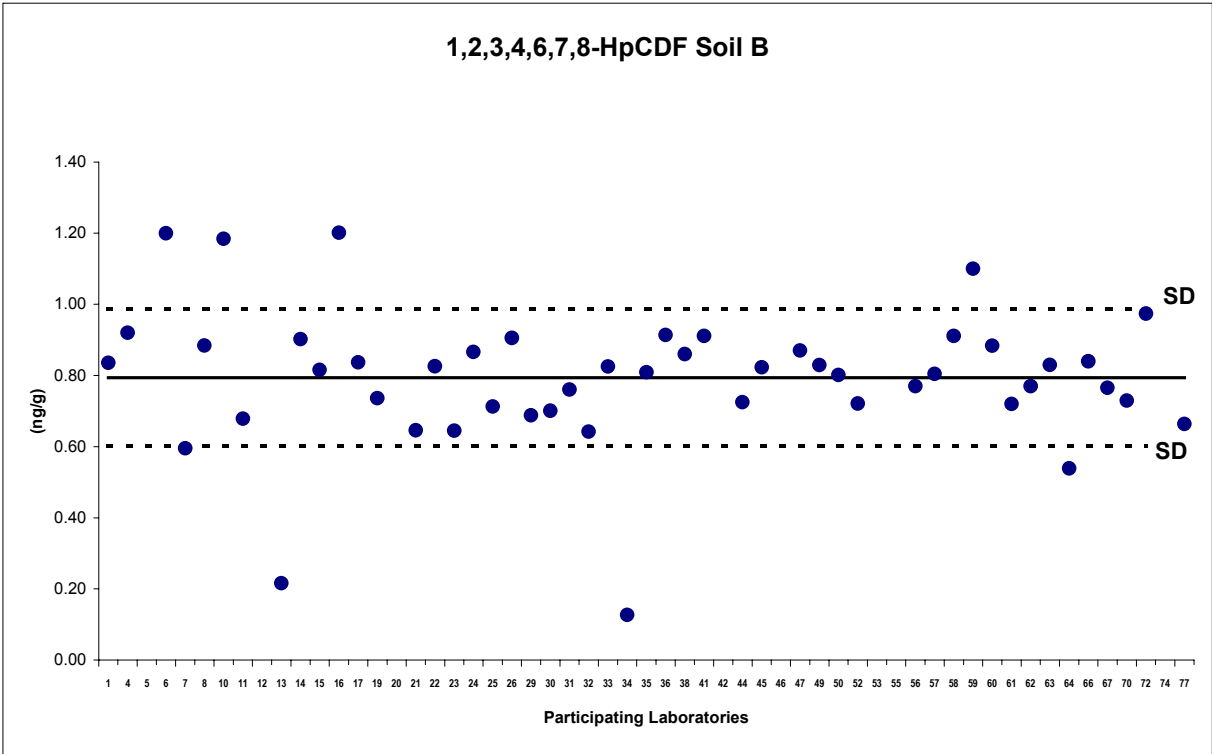
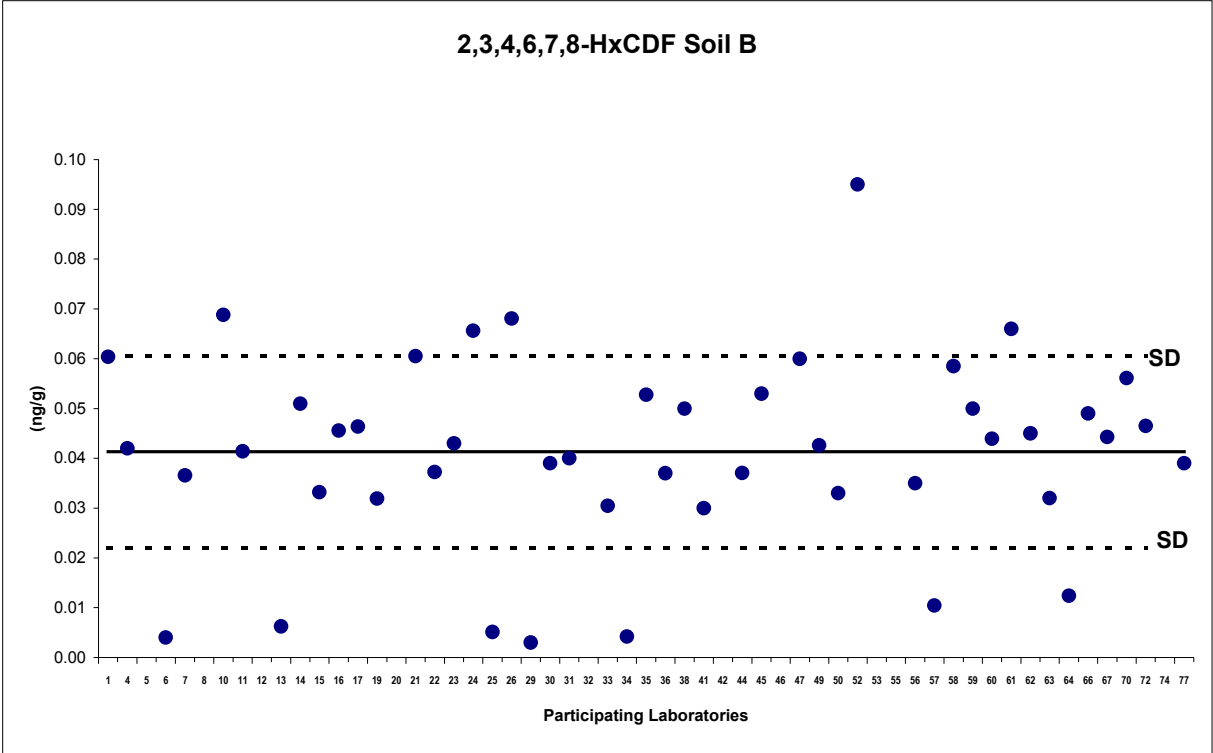


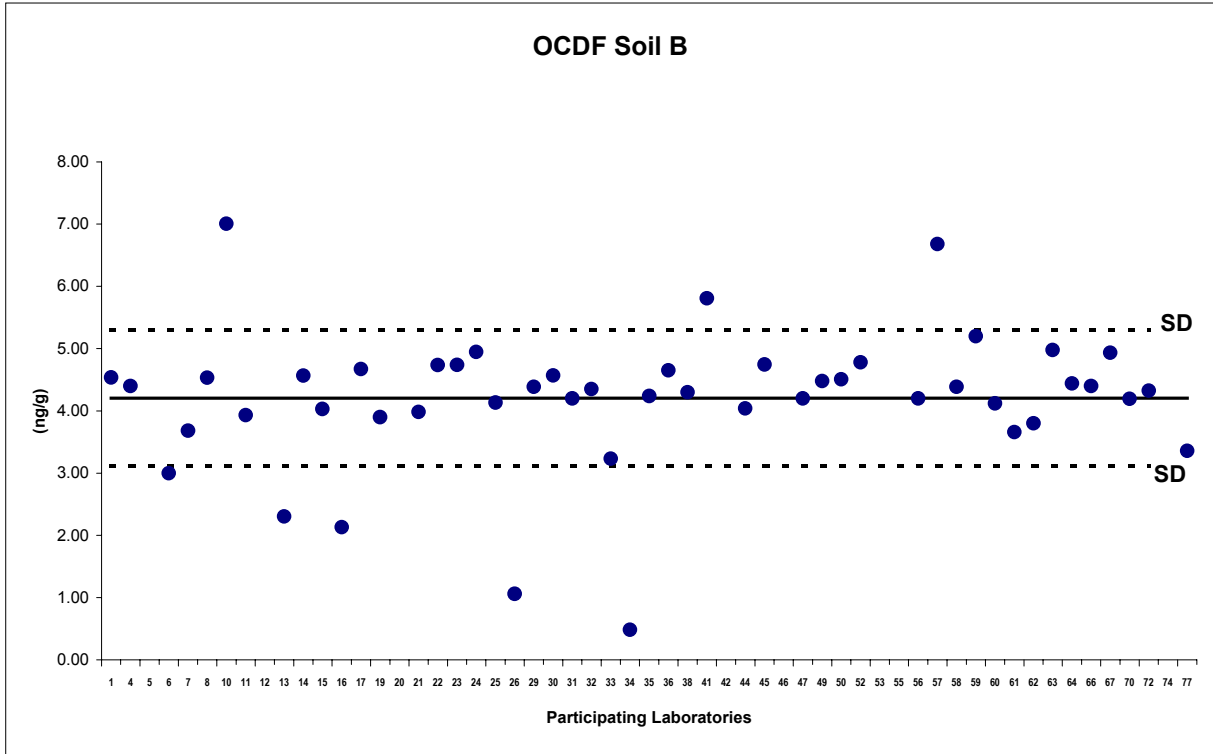
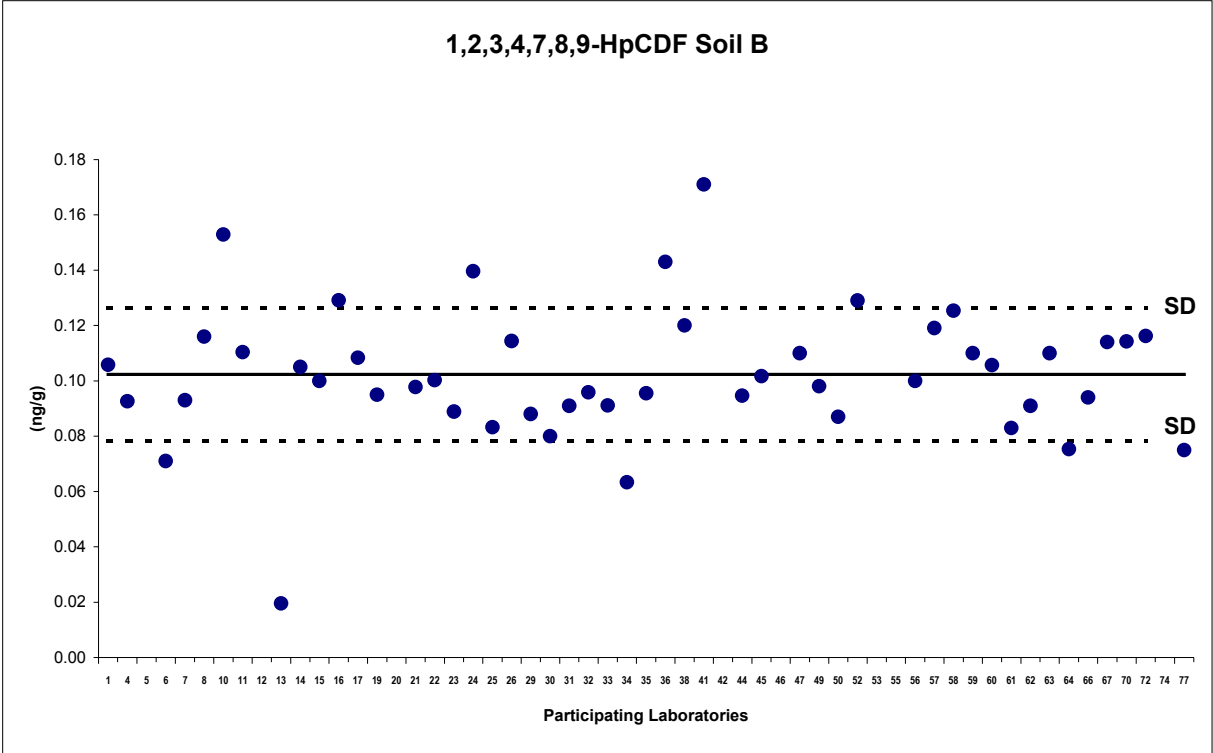


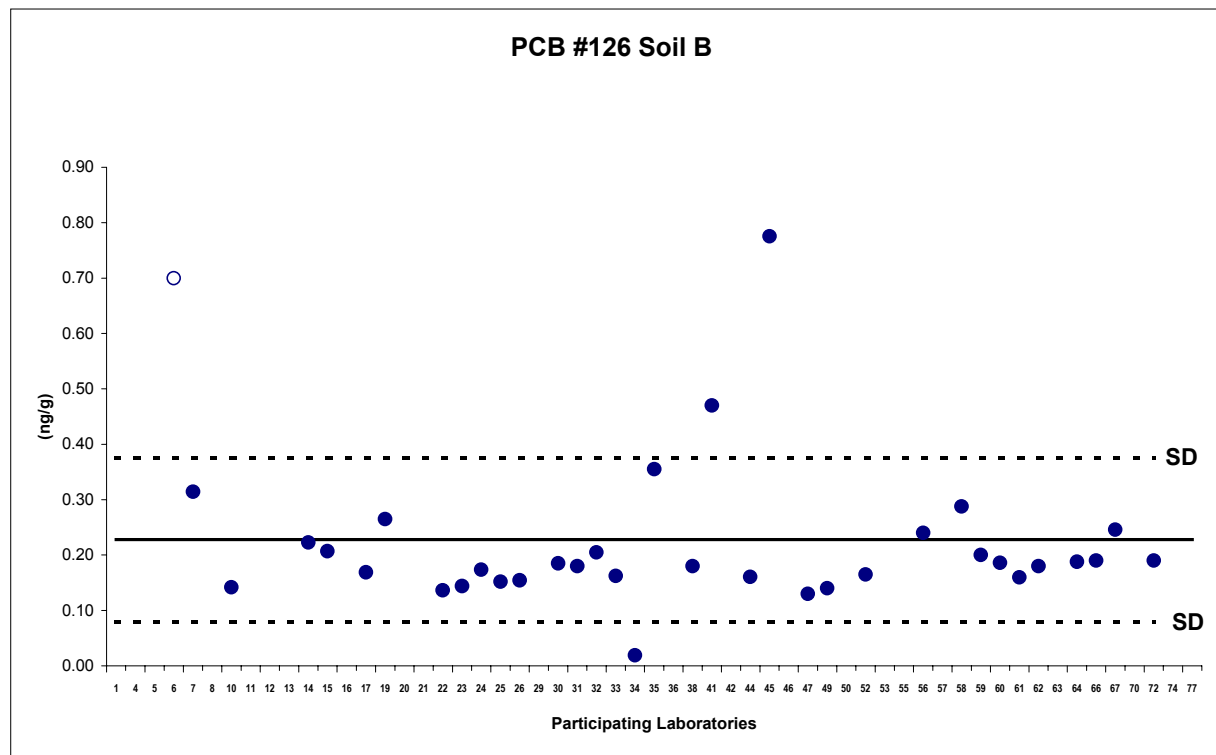
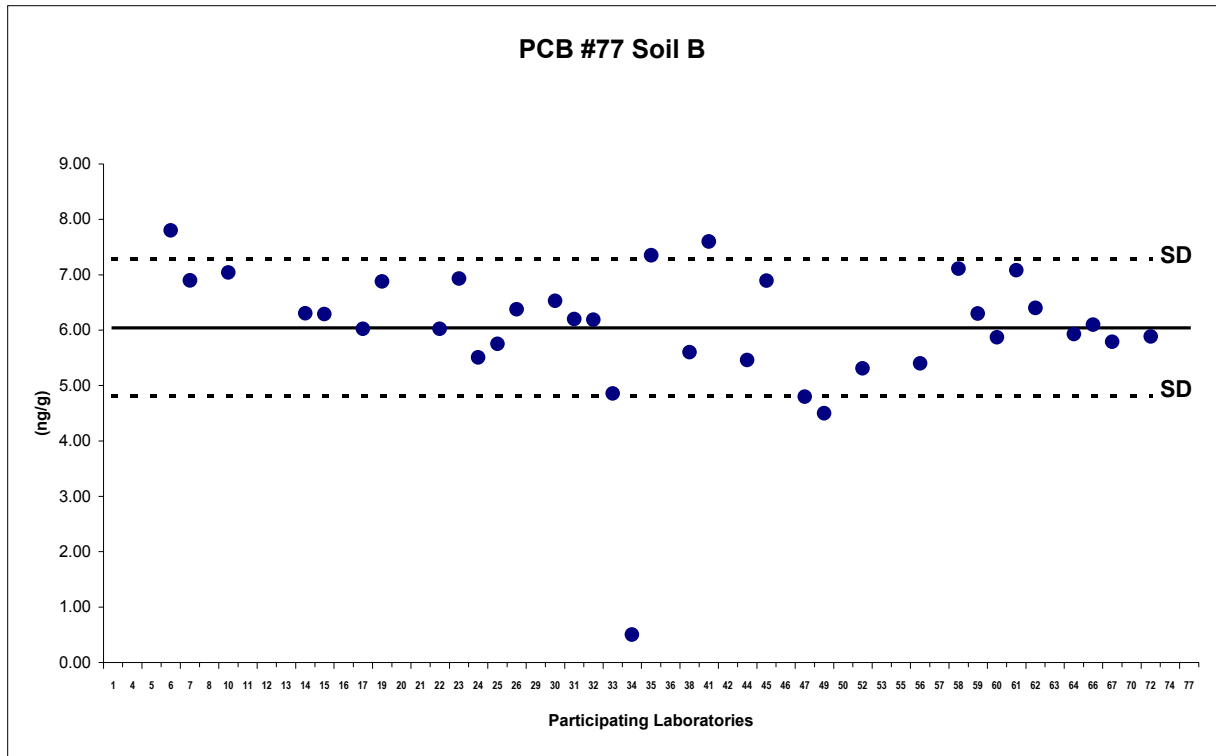


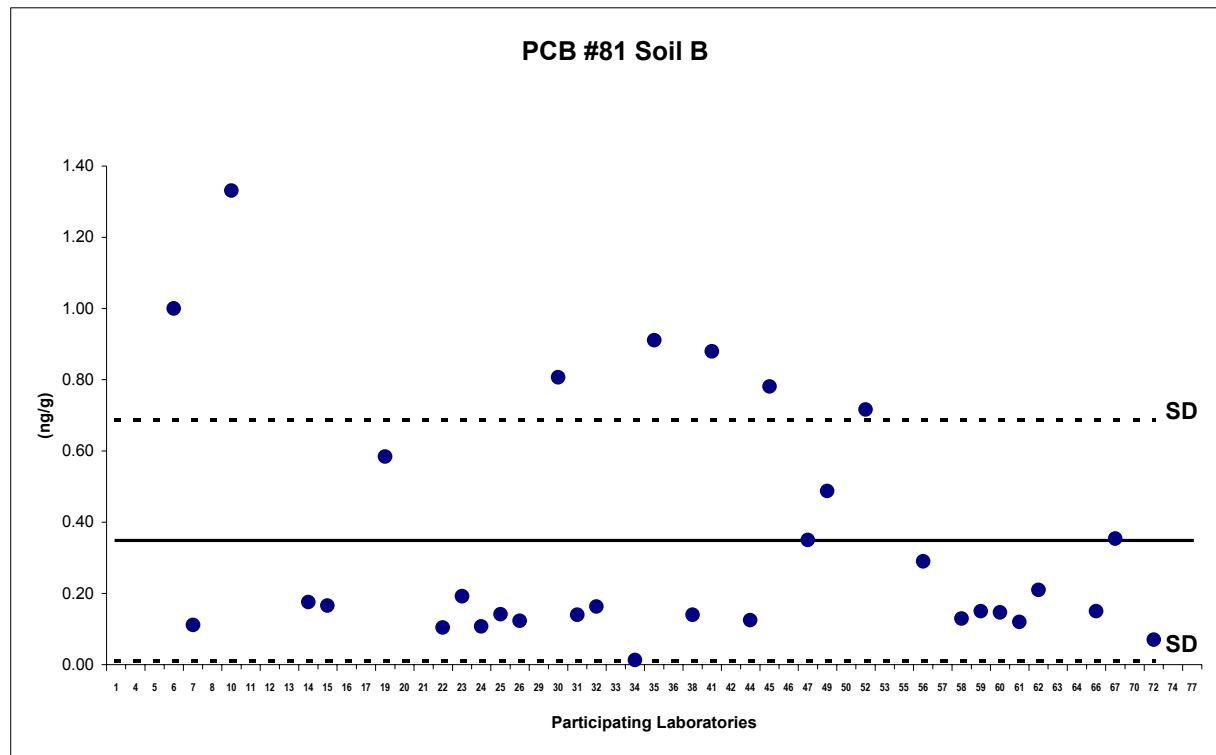
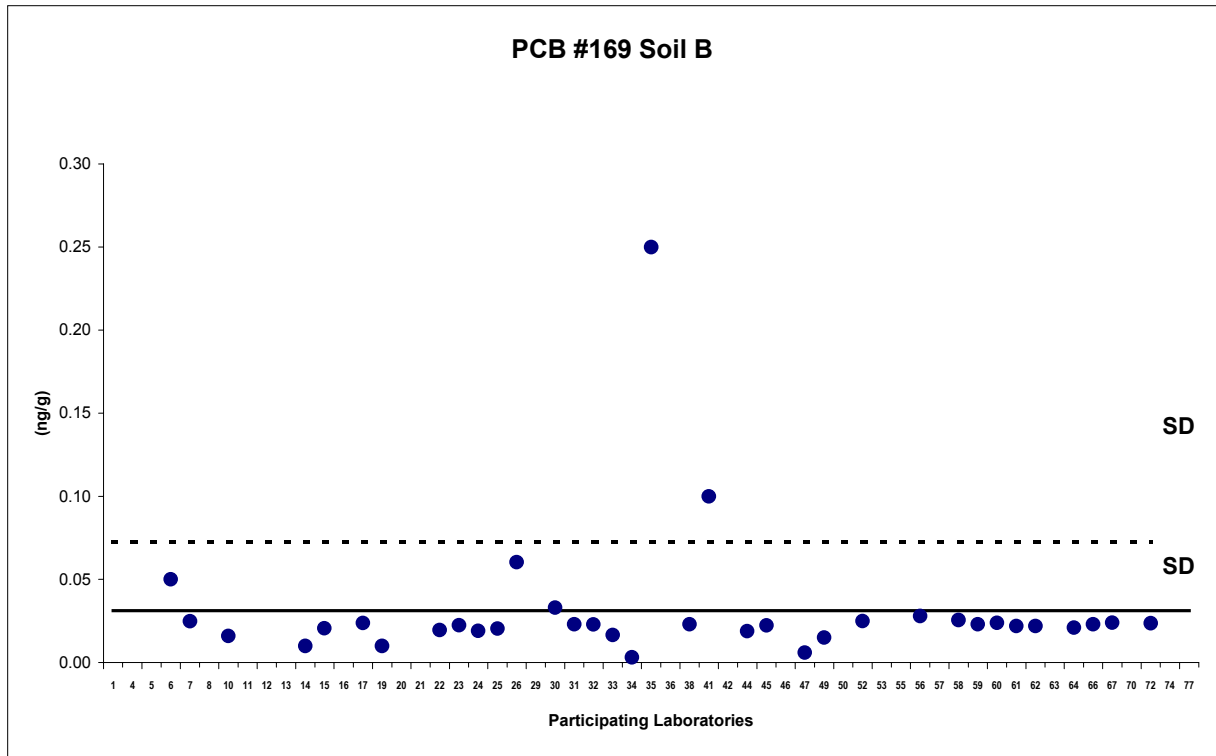


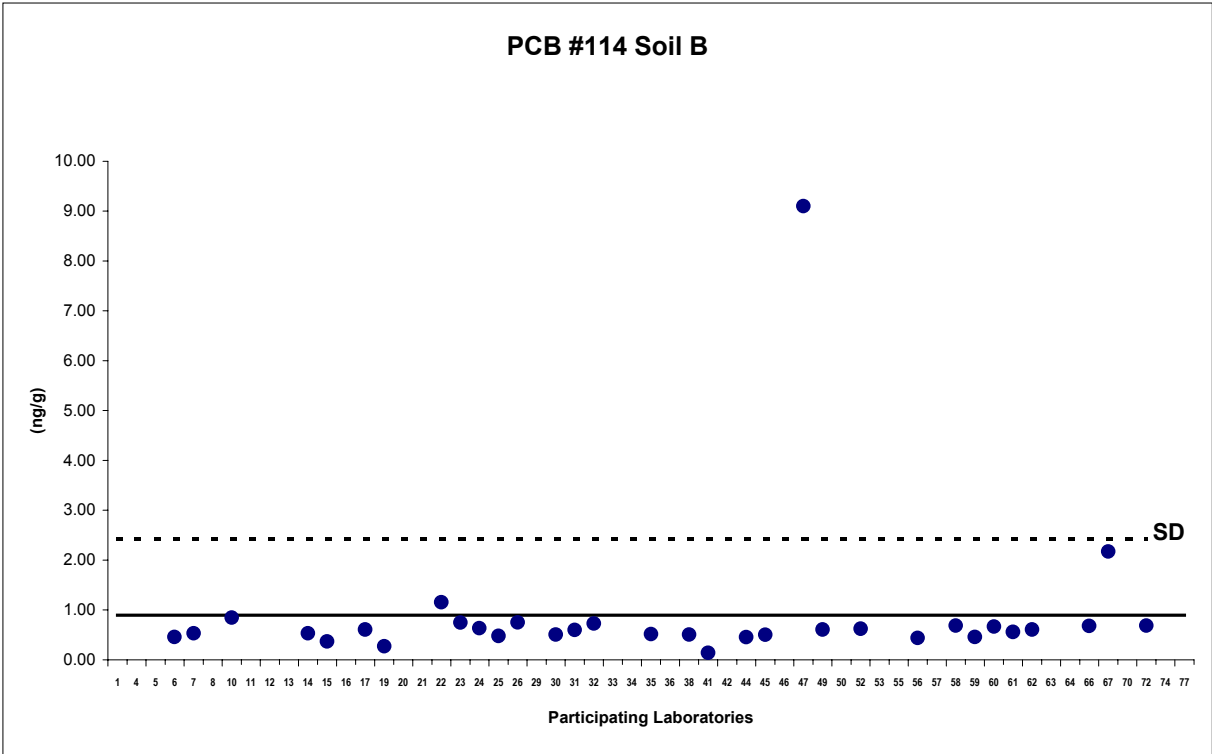
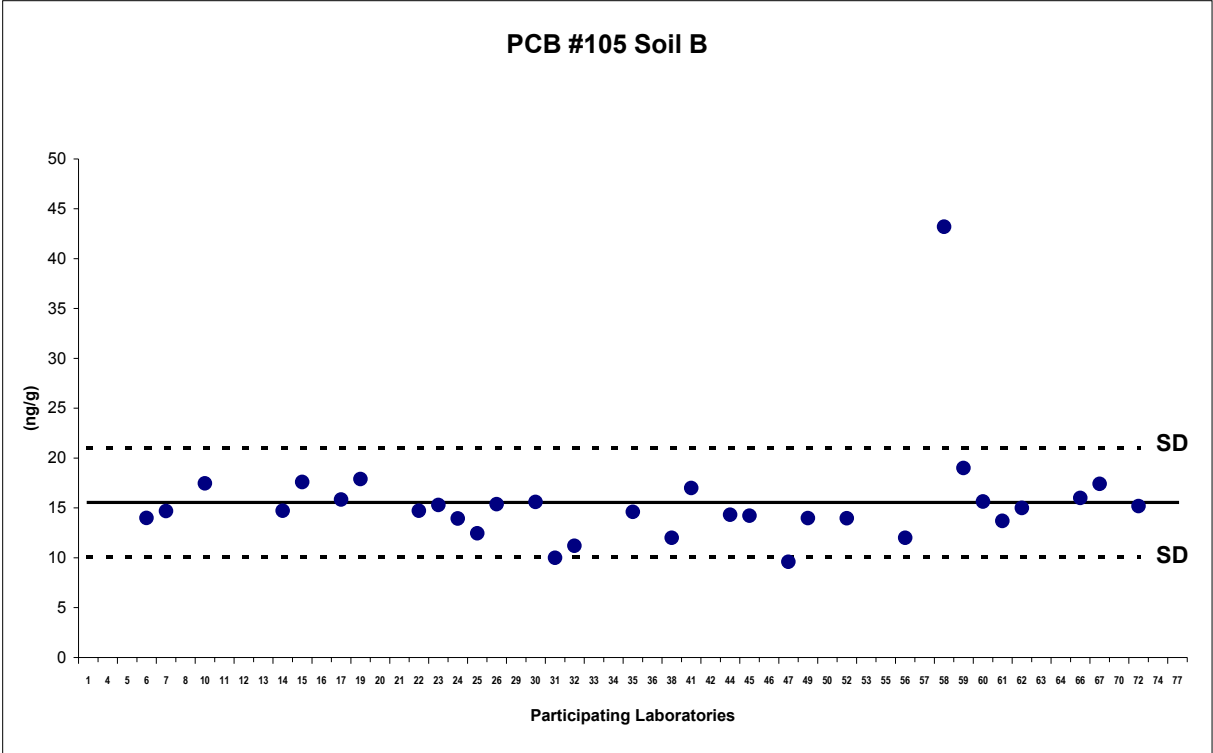




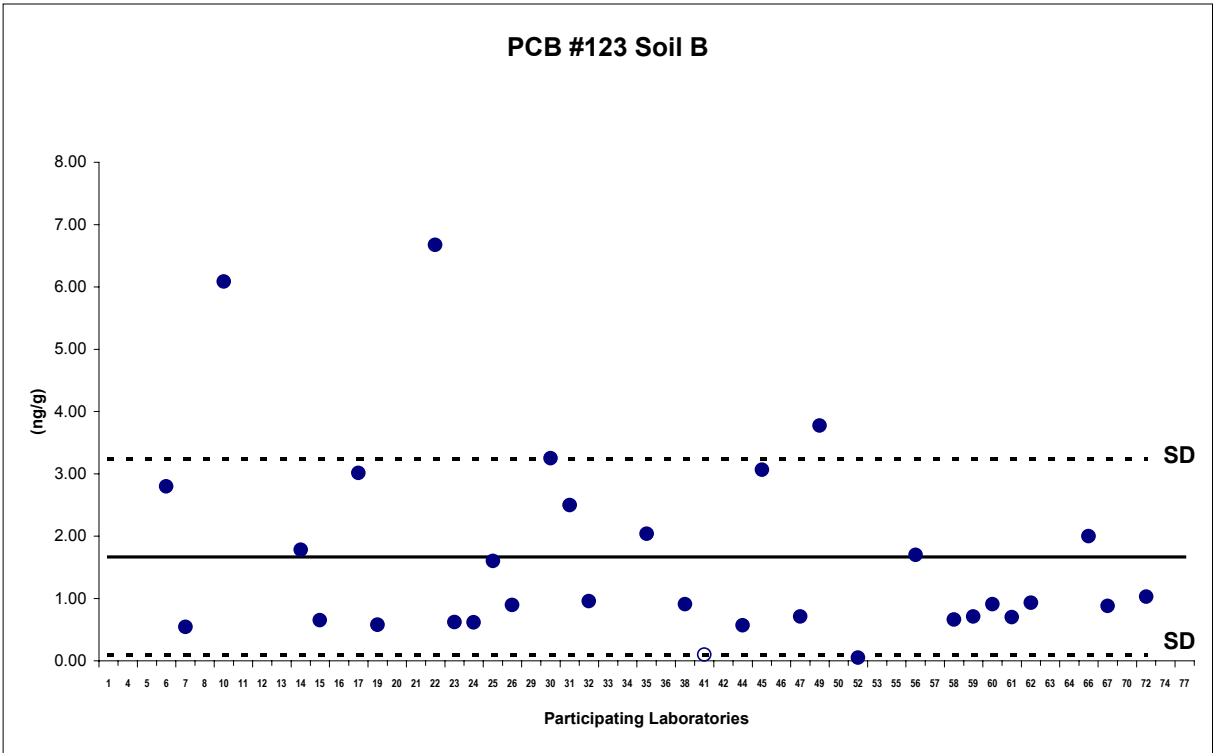
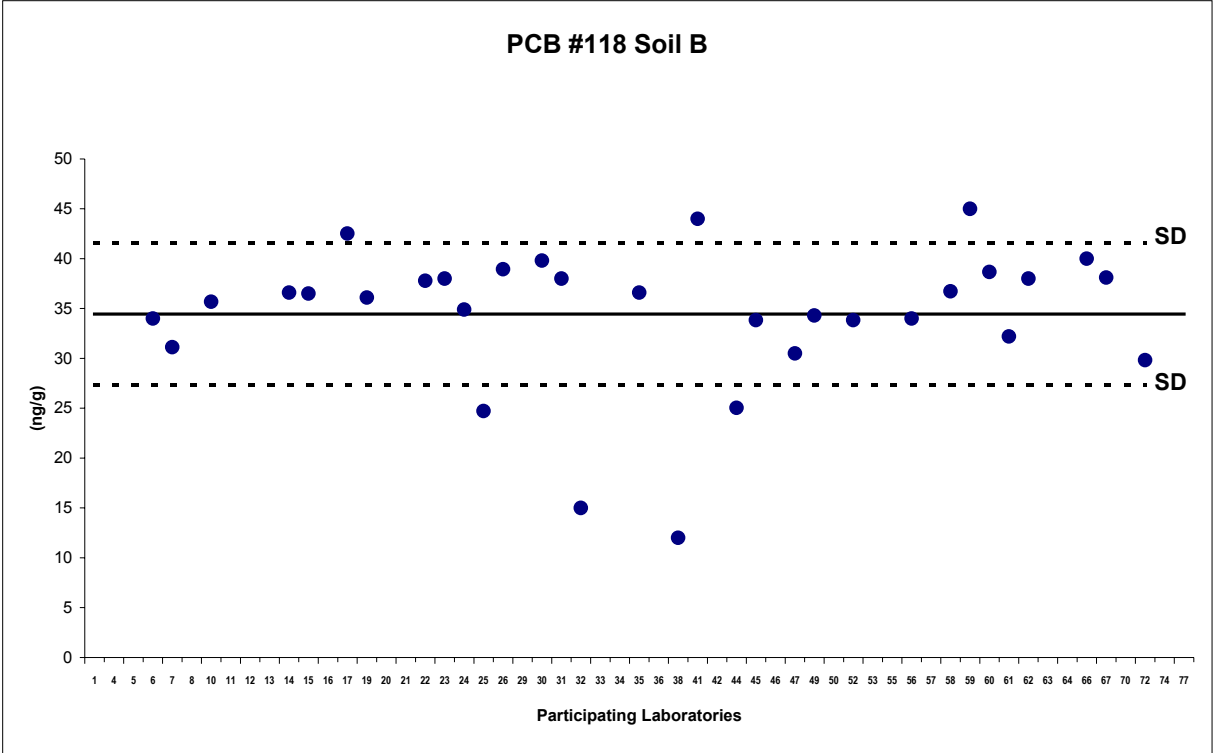


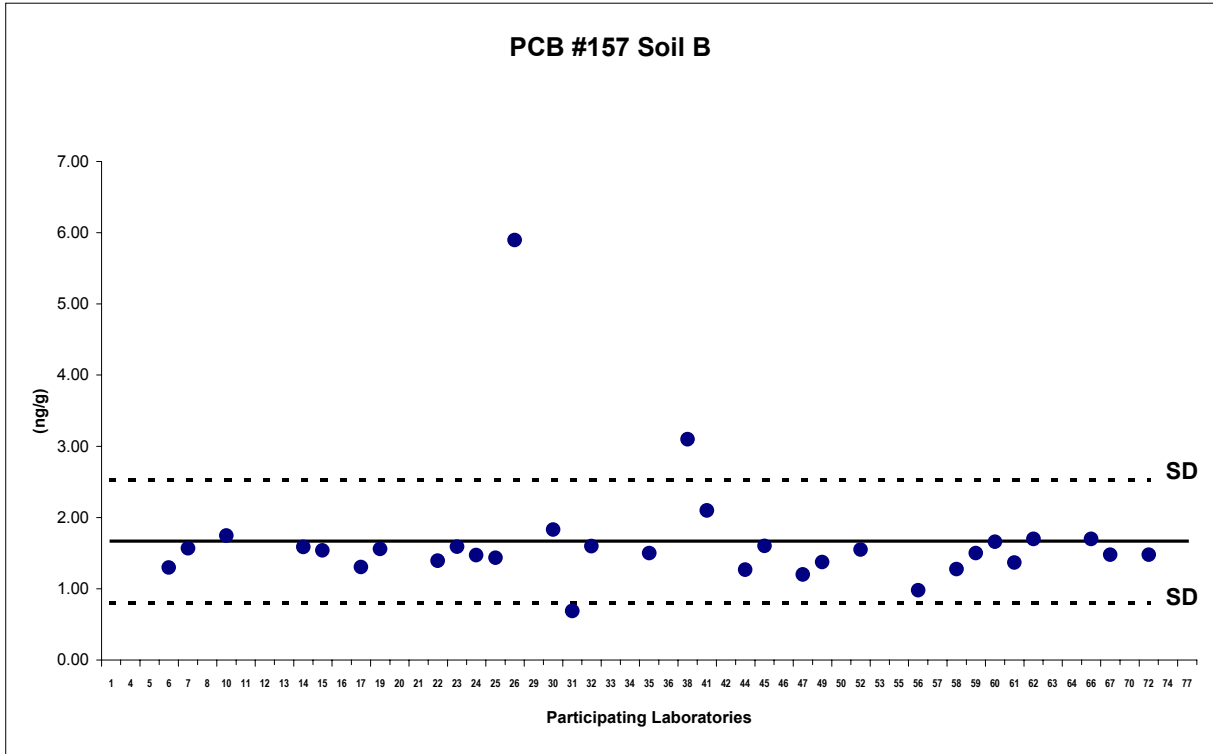
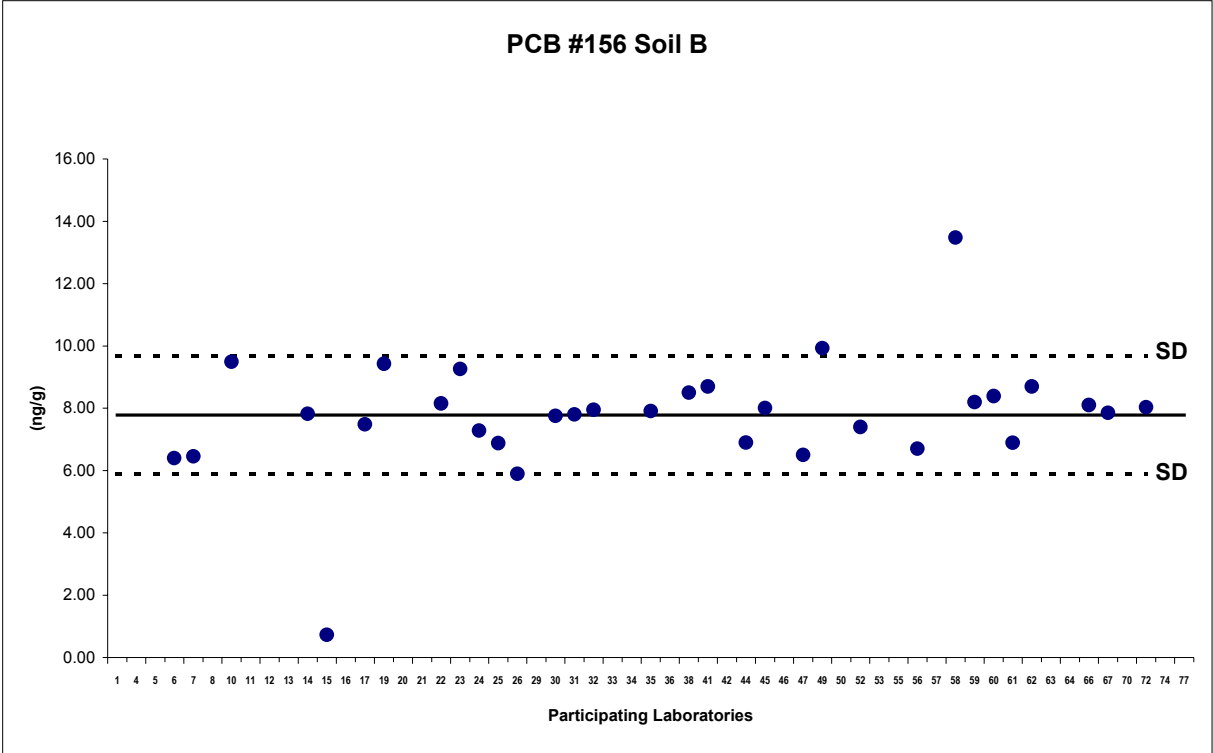


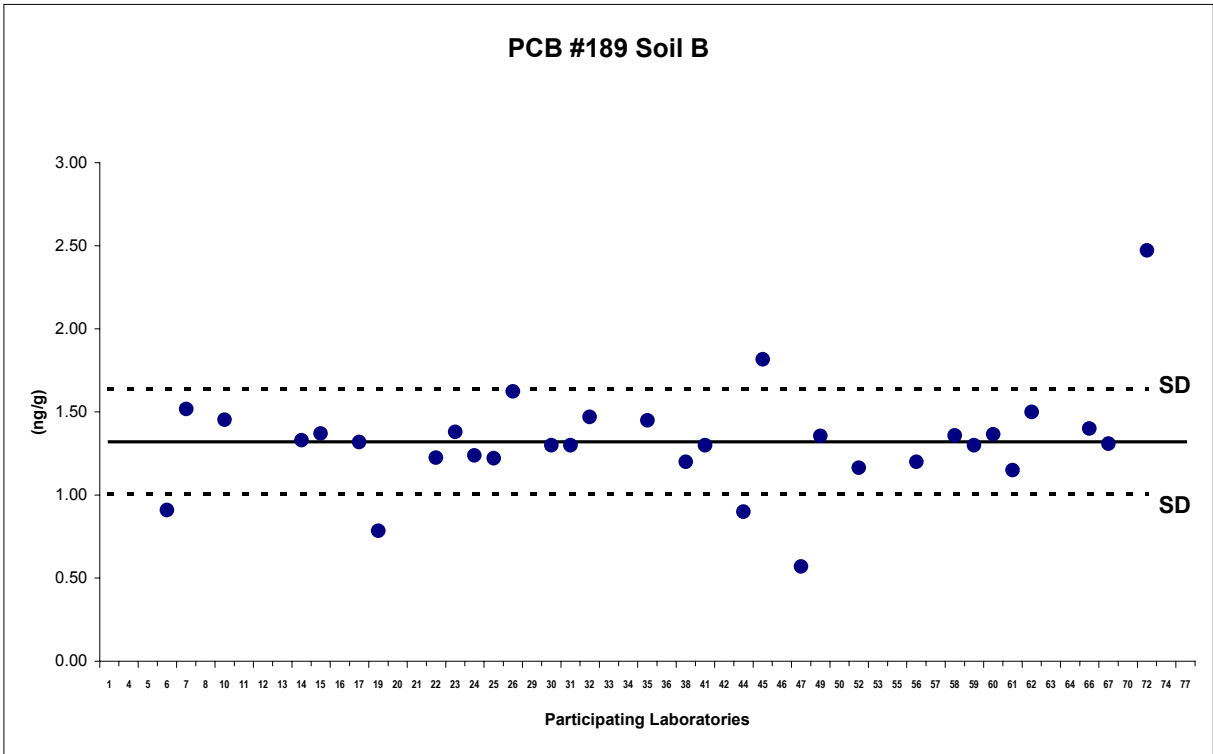
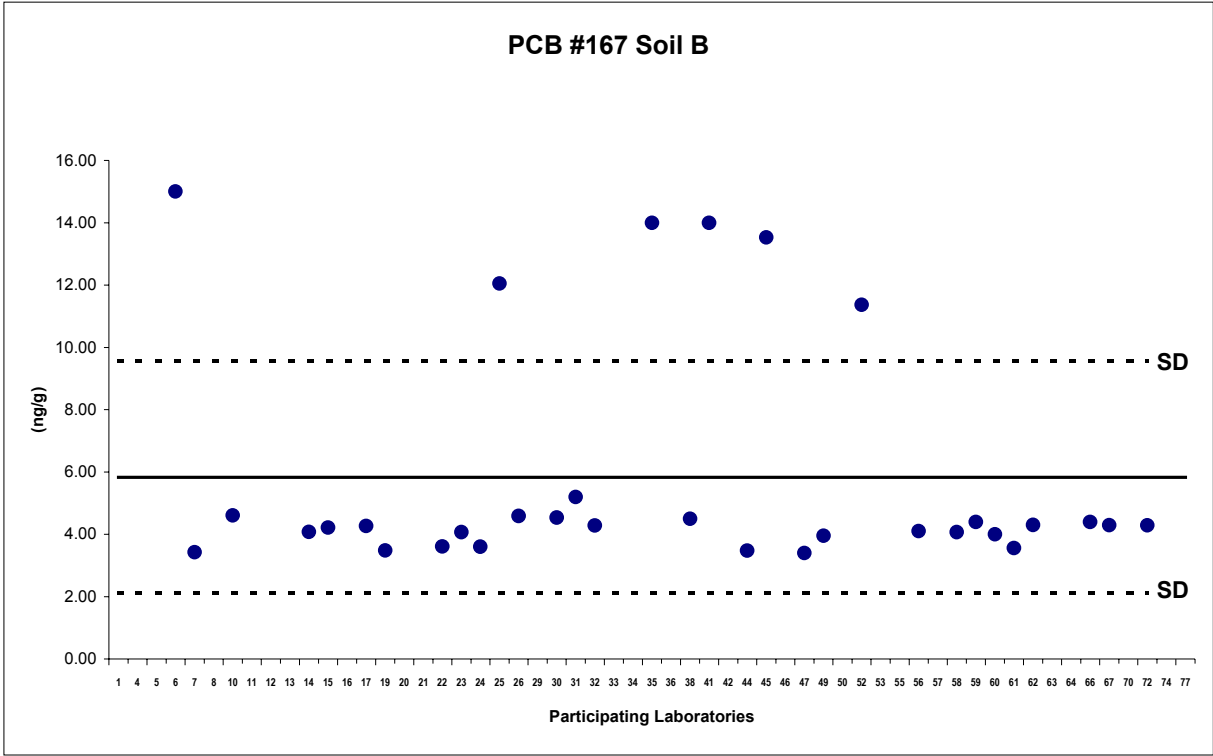












Participant code:	1	4	5	6	7	8	10	11	12	13	14	15	16
Weight Analysed:	10.00	10.00	NA	1.00	30.00	1.00	2.00	NA	SETOC	10.94	5.00	4.94	10.00
2,3,7,8-TeCDD	0.097	0.110	NA	0.083	0.106	ND	0.129	0.090		0.027	0.093	0.092	0.128
1,2,3,7,8-PeCDD	0.006	0.004	NA	0.005	0.006	ND	0.005	0.005		0.002	0.008	0.004	0.006
1,2,3,4,7,8-HxCDD	0.009	0.006	NA	0.006	0.006	ND	0.008	0.010		0.001	0.010	0.007	0.007
1,2,3,6,7,8-HxCDD	0.029	0.021	NA	0.021	0.024	ND	0.029	0.024		0.002	0.026	0.017	0.033
1,2,3,7,8,9-HxCDD	0.015	0.009	NA	0.009	0.010	ND	0.016	0.012		0.002	0.015	0.009	0.036
1,2,3,4,6,7,8-HpCDD	0.30	0.28	NA	0.21	0.23	0.25	0.31	0.26		0.07	0.22	0.21	0.35
OCDD	2.98	3.00	NA	2.20	1.98	2.66	4.34	2.57		0.95	2.30	2.09	1.14
2,3,7,8-TeCDF	0.042	0.040	NA	0.024	0.046	ND	0.052	0.064		0.022	0.037	0.036	0.061
1,2,3,7,8-PeCDF	0.034	0.031	NA	0.027	0.039	ND	0.050	0.029		0.012	0.040	0.054	0.032
2,3,4,7,8-PeCDF	0.044	0.041	NA	0.021	0.039	ND	0.058	0.031		0.006	0.041	0.025	0.036
1,2,3,4,7,8-HxCDF	0.149	0.147	NA	0.100	0.118	0.148	0.195	0.206		0.045	0.153	0.114	0.081
1,2,3,6,7,8-HxCDF	0.064	0.058	NA	0.049	0.058	0.043	0.074	0.059		0.013	0.057	0.049	0.057
1,2,3,7,8,9-HxCDF	0.029	0.023	NA	0.034	0.009	0.039	0.032	0.027		ND	0.007	0.006	0.004
2,3,4,6,7,8-HxCDF	0.058	0.038	NA	0.004	0.033	ND	0.047	0.039		0.007	0.044	0.035	0.036
1,2,3,4,6,7,8-HpCDF	0.79	0.78	NA	0.80	0.52	0.64	0.90	0.64		0.19	0.57	0.53	0.87
1,2,3,4,7,8,9-HpCDF	0.10	0.08	NA	1.00	0.08	0.09	0.12	0.10		0.02	0.08	0.09	0.11
OCDF	3.79	3.70	NA	2.20	2.85	3.76	5.44	3.74		1.31	3.51	3.08	1.82
<b>TEQ (PCDD/DF)</b>	<b>0.18</b>	<b>0.18</b>	<b>NA</b>	<b>0.14</b>	<b>0.17</b>	<b>0.03</b>	<b>0.22</b>	<b>0.17</b>		<b>0.04</b>	<b>0.17</b>	<b>0.15</b>	<b>0.20</b>
PCB #77	NA	NA	NA	6.60	9.08	NA	8.79	NA		NA	6.71	7.18	NA
PCB #126	NA	NA	NA	<1.0	0.12	NA	0.12	NA		NA	0.15	0.15	NA
PCB #169	NA	NA	NA	<0.1	0.034	NA	0.022	NA		NA	<0.01	0.020	NA
<b>TEQ (including PCBs)</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>0.15</b>	<b>0.19</b>	<b>NA</b>	<b>0.24</b>	<b>NA</b>		<b>NA</b>	<b>0.18</b>	<b>0.16</b>	<b>NA</b>
Other PCBs (Optional)													
PCB #81	NA	NA	NA	0.69	0.12	NA	0.63	NA		NA	0.19	0.14	NA
PCB #105	NA	NA	NA	11.0	11.1	NA	13.7	NA		NA	10.8	12.0	NA
PCB #114	NA	NA	NA	0.56	0.55	NA	1.65	NA		NA	0.45	0.30	NA
PCB #118	NA	NA	NA	42.0	38.1	NA	48.0	NA		NA	44.8	42.8	NA
PCB #123	NA	NA	NA	3.9	6.1	NA	10.5	NA		NA	2.4	0.4	NA
PCB #156	NA	NA	NA	4.8	4.5	NA	6.9	NA		NA	5.3	4.5	NA
PCB #157	NA	NA	NA	1.0	0.9	NA	1.0	NA		NA	0.9	0.8	NA
PCB #167	NA	NA	NA	11.0	2.5	NA	2.9	NA		NA	2.6	2.5	NA
PCB #189	NA	NA	NA	0.8	1.4	NA	1.1	NA		NA	1.1	1.0	NA
<b>TEQ Total</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>0.15</b>	<b>0.19</b>	<b>NA</b>	<b>0.25</b>	<b>NA</b>		<b>NA</b>	<b>0.21</b>	<b>0.17</b>	<b>NA</b>

\* all values in ng/g  
 ND: not detected < than value expected  
 NA: not analyzed

Participant code:	17	19	20	21	22	23	24	25	26	29	30	31	32
Weight Analysed:	1.02	10.11	NA	NA	40.00	3.00	8.29	15.83	5.00	8.00	5.00	7.17	10.02
2,3,7,8-TeCDD	0.122	0.080	NA	0.087	0.119	0.163	0.098	0.098	0.114	0.088	0.117	0.110	0.109
1,2,3,7,8-PeCDD	0.007	0.006	NA	0.006	0.009	0.013	0.006	0.006	0.005	0.005	0.054	0.007	0.008
1,2,3,4,7,8-HxCDD	0.010	0.009	NA	0.005	0.009	0.008	0.008	0.007	0.008	0.006	0.038	0.007	0.012
1,2,3,6,7,8-HxCDD	0.025	0.023	NA	0.017	0.025	0.017	0.027	0.023	0.025	0.028	0.022	0.027	0.026
1,2,3,7,8,9-HxCDD	0.014	0.012	NA	0.017	0.017	0.010	0.014	0.009	0.012	0.013	0.011	0.010	0.009
1,2,3,4,6,7,8-HpCDD	0.27	0.22	NA	0.22	0.29	0.16	0.33	0.24	0.33	0.20	0.23	0.27	0.29
OCDD	2.84	2.82	NA	1.94	3.07	2.27	3.22	2.36	3.00	2.14	2.26	2.90	2.95
2,3,7,8-TeCDF	0.043	0.046	NA	0.035	0.051	0.038	0.042	0.035	0.057	0.037	0.038	0.037	0.048
1,2,3,7,8-PeCDF	0.063	0.036	NA	0.032	0.056	0.040	0.036	0.024	0.050	0.031	0.034	0.030	0.043
2,3,4,7,8-PeCDF	0.032	0.043	NA	0.030	0.065	0.055	0.046	0.036	0.055	0.040	0.035	0.038	0.045
1,2,3,4,7,8-HxCDF	0.149	0.129	NA	0.177	0.175	0.139	0.150	0.168	0.170	0.125	0.162	0.200	0.142
1,2,3,6,7,8-HxCDF	0.064	0.057	NA	0.056	0.074	0.051	0.069	0.059	0.070	0.054	0.057	0.063	0.060
1,2,3,7,8,9-HxCDF	0.032	0.045	NA	0.004	0.053	0.035	0.014	0.031	0.030	0.004	0.004	0.005	0.029
2,3,4,6,7,8-HxCDF	0.042	0.026	NA	0.046	0.033	0.035	0.055	0.005	0.061	0.040	0.031	0.039	ND
1,2,3,4,6,7,8-HpCDF	0.71	0.57	NA	0.47	0.65	0.56	0.75	0.61	0.68	0.55	0.52	0.74	0.57
1,2,3,4,7,8,9-HpCDF	0.09	0.08	NA	0.07	0.09	0.07	0.11	0.07	0.09	0.09	0.060	0.09	0.10
OCDF	4.13	3.40	NA	2.93	3.71	3.74	4.82	5.03	9.46	3.21	3.40	4.10	4.60
<b>TEQ (PCDD/DF)</b>	<b>0.20</b>	<b>0.15</b>	<b>NA</b>	<b>0.15</b>	<b>0.21</b>	<b>0.25</b>	<b>0.18</b>	<b>0.17</b>	<b>0.20</b>	<b>0.15</b>	<b>0.24</b>	<b>0.19</b>	<b>0.18</b>
PCB #77	6.22	6.95	NA	NA	5.74	8.18	6.88	6.83	7.78	NA	8.05	7.00	7.39
PCB #126	0.10	0.12	NA	NA	0.09	0.09	0.14	0.16	0.15	NA	0.12	0.13	0.14
PCB #169	0.022	0.021	NA	NA	0.017	0.020	0.020	0.016	0.104	NA	0.025	0.023	0.021
<b>TEQ (including PCBs)</b>	<b>0.22</b>	<b>0.17</b>	<b>NA</b>	<b>NA</b>	<b>0.22</b>	<b>0.26</b>	<b>0.19</b>	<b>0.18</b>	<b>0.22</b>	<b>NA</b>	<b>0.25</b>	<b>0.20</b>	<b>0.20</b>
Other PCBs (Optional)													
PCB #81	NA	0.28	NA	NA	0.07	0.14	0.11	0.63	0.05	NA	0.34	0.13	0.15
PCB #105	14.2	10.7	NA	NA	10.6	10.4	9.9	8.0	11.1	NA	12.7	10.0	11.1
PCB #114	0.90	0.49	NA	NA	0.48	0.63	0.57	0.46	0.49	NA	0.33	0.51	0.70
PCB #118	63.0	38.9	NA	NA	48.5	51.0	45.9	26.1	48.8	NA	62.8	46.0	18.6
PCB #123	8.4	0.5	NA	NA	9.7	2.0	0.3	1.5	7.6	NA	3.5	2.0	ND
PCB #156	6.0	6.2	NA	NA	0.9	5.2	5.4	4.4	3.3	NA	5.8	5.2	5.3
PCB #157	1.0	0.8	NA	NA	5.5	0.8	0.9	0.8	3.3	NA	1.1	0.4	0.9
PCB #167	3.5	2.4	NA	NA	2.6	2.6	2.7	7.4	1.8	NA	3.1	2.6	2.6
PCB #189	1.1	1.3	NA	NA	1.1	1.1	1.2	0.9	0.9	NA	0.9	0.9	1.1
<b>TEQ Total</b>	<b>0.22</b>	<b>0.18</b>	<b>NA</b>	<b>NA</b>	<b>0.23</b>	<b>0.27</b>	<b>0.20</b>	<b>0.19</b>	<b>0.23</b>	<b>NA</b>	<b>0.26</b>	<b>0.21</b>	<b>0.21</b>

\* all values in ng/g  
ND: not detected < than value expected  
NA: not analyzed

Soil C2

Participant code:	33	34	35	36	38	41	42	44	45	46	47	49	50
Weight Analysed:	10.01	10.00	19.62	NA	20.00	2.67	NA	5.00	5.67	NA	10.10	5.00	20.00
2,3,7,8-TeCDD	0.077	0.007	0.090	NA	0.096	0.124	NA	0.069	0.114	NA	0.100	0.112	0.106
1,2,3,7,8-PeCDD	0.006	ND	0.005	NA	0.008	0.006	NA	0.003	0.005	NA	0.006	0.007	0.005
1,2,3,4,7,8-HxCDD	0.006	0.001	0.007	NA	0.009	0.008	NA	0.005	0.007	NA	0.010	0.007	0.006
1,2,3,6,7,8-HxCDD	0.019	0.002	0.020	NA	0.028	0.027	NA	0.013	0.025	NA	0.030	0.024	0.017
1,2,3,7,8,9-HxCDD	0.009	0.001	0.013	NA	0.013	0.023	NA	0.007	0.018	NA	0.040	0.013	0.009
1,2,3,4,6,7,8-HpCDD	0.23	0.12	0.25	NA	0.26	0.28	NA	0.17	0.29	NA	0.31	0.28	0.34
OCDD	16.41	0.58	2.75	NA	2.70	2.58	NA	1.69	2.91	NA	2.80	2.77	3.10
2,3,7,8-TeCDF	0.034	0.082	0.043	NA	0.047	0.022	NA	0.030	0.043	NA	0.040	0.043	0.039
1,2,3,7,8-PeCDF	0.021	0.029	0.032	NA	0.074	<0.002	NA	0.023	0.031	NA	0.040	0.033	0.116
2,3,4,7,8-PeCDF	0.043	0.017	0.032	NA	0.036	0.018	NA	0.019	0.038	NA	0.030	0.031	0.128
1,2,3,4,7,8-HxCDF	0.178	0.017	0.136	NA	0.180	0.073	NA	0.107	0.206	NA	0.240	0.153	0.130
1,2,3,6,7,8-HxCDF	0.052	0.011	0.066	NA	0.083	0.040	NA	0.037	0.067	NA	0.070	0.065	0.067
1,2,3,7,8,9-HxCDF	0.018	0.005	0.006	NA	0.008	<0.003	NA	0.004	0.004	NA	0.006	0.006	0.051
2,3,4,6,7,8-HxCDF	0.029	ND	0.047	NA	0.045	<0.003	NA	0.028	0.050	NA	0.050	0.040	0.030
1,2,3,4,6,7,8-HpCDF	0.73	0.07	0.69	NA	0.75	0.73	NA	0.44	0.70	NA	0.75	0.73	0.60
1,2,3,4,7,8,9-HpCDF	0.08	0.02	0.08	NA	0.11	0.10	NA	0.06	0.09	NA	0.09	0.09	0.09
OCDF	3.25	0.39	3.72	NA	3.80	3.57	NA	2.83	4.17	NA	3.80	4.12	3.57
<b>TEQ (PCDD/DF)</b>	<b>0.15</b>	<b>0.03</b>	<b>0.16</b>	<b>NA</b>	<b>0.18</b>	<b>0.17</b>	<b>NA</b>	<b>0.11</b>	<b>0.19</b>	<b>NA</b>	<b>0.18</b>	<b>0.18</b>	<b>0.23</b>
PCB #77	5.14	NA	8.23	NA	3.80	9.20	NA	6.25	7.70	NA	6.10	5.12	NA
PCB #126	0.10	0.03	0.26	NA	0.12	0.48	NA	0.11	0.53	NA	0.09	0.07	NA
PCB #169	0.018	NA	<0.3	NA	0.022	<0.10	NA	0.017	0.021	NA	<0.03	0.011	NA
<b>TEQ (including PCBs)</b>	<b>0.15</b>	<b>0.03</b>	<b>0.18</b>	<b>NA</b>	<b>0.19</b>	<b>0.22</b>	<b>NA</b>	<b>0.13</b>	<b>0.25</b>	<b>NA</b>	<b>0.19</b>	<b>0.19</b>	<b>NA</b>
Other PCBs (Optional)													
PCB #81	NA	NA	0.59	NA	0.11	0.47	NA	0.11	0.47	NA	0.27	0.32	NA
PCB #105	NA	NA	9.4	NA	12.0	13.0	NA	10.2	10.1	NA	6.5	9.7	NA
PCB #114	NA	NA	0.45	NA	0.43	0.68	NA	0.39	0.46	NA	10.30	0.55	NA
PCB #118	NA	NA	43.1	NA	22.0	55.0	NA	30.2	44.7	NA	35.4	43.6	NA
PCB #123	NA	NA	1.4	NA	0.4	<0.10	NA	0.3	2.4	NA	0.5	6.6	NA
PCB #156	NA	NA	5.3	NA	5.6	6.4	NA	4.4	5.4	NA	4.5	6.7	NA
PCB #157	NA	NA	0.8	NA	2.2	1.3	NA	0.7	1.0	NA	0.7	0.7	NA
PCB #167	NA	NA	9.0	NA	2.9	6.7	NA	2.1	9.1	NA	2.4	2.4	NA
PCB #189	NA	NA	1.2	NA	1.0	0.9	NA	0.7	1.1	NA	0.3	1.0	NA
<b>TEQ Total</b>	<b>NA</b>	<b>NA</b>	<b>0.18</b>	<b>NA</b>	<b>0.20</b>	<b>0.23</b>	<b>NA</b>	<b>0.13</b>	<b>0.26</b>	<b>NA</b>	<b>0.21</b>	<b>0.20</b>	<b>NA</b>

\* all values in ng/g  
ND: not detected < than value expected  
NA: not analyzed

Soil C3

Participant code:	52	53	55	56	57	58	59	60	61	62	63	64	66
Weight Analysed:	5.00	NA	1.00	10.00	2.50	25.50	14.86	9.66	7.10	10.29	10.70	8.95	10.31
2,3,7,8-TeCDD	0.100	NA	NA	0.110	0.114	0.095	0.120	0.114	0.10	0.11	0.095	0.116	0.110
1,2,3,7,8-PeCDD	0.008	NA	NA	0.006	0.026	0.006	0.006	0.006	0.012	0.0088	0.006	0.006	0.006
1,2,3,4,7,8-HxCDD	0.009	NA	NA	0.008	0.033	0.010	0.013	0.009	0.0079	0.041	0.008	0.008	0.009
1,2,3,6,7,8-HxCDD	0.023	NA	NA	0.020	0.052	0.023	0.030	0.026	0.027	0.024	0.025	0.025	0.023
1,2,3,7,8,9-HxCDD	0.048	NA	NA	0.010	0.060	0.016	0.018	0.014	0.024	0.0081	0.013	0.014	0.013
1,2,3,4,6,7,8-HpCDD	0.26	NA	NA	0.26	0.55	0.26	0.31	0.29	0.25	0.27	0.30	0.29	0.27
OCDD	2.46	NA	NA	2.60	5.43	2.93	3.10	2.78	2.90	2.80	3.00	2.63	3.10
2,3,7,8-TeCDF	0.047	NA	NA	0.044	0.061	0.044	0.044	0.040	0.038	0.038	0.042	0.052	0.038
1,2,3,7,8-PeCDF	0.067	NA	NA	0.056	0.055	0.036	0.035	0.029	0.040	0.065	0.034	0.053	0.038
2,3,4,7,8-PeCDF	0.034	NA	NA	0.027	0.067	0.035	0.035	0.032	0.032	0.039	0.042	0.055	0.029
1,2,3,4,7,8-HxCDF	0.119	NA	NA	0.130	0.265	0.147	0.170	0.156	0.16	0.17	0.140	0.198	0.150
1,2,3,6,7,8-HxCDF	0.049	NA	NA	0.059	0.094	0.066	0.073	0.068	0.067	0.071	0.064	0.072	0.068
1,2,3,7,8,9-HxCDF	0.010	NA	NA	0.002	0.060	0.005	0.007	0.004	0.010	0.028	0.053	0.037	0.005
2,3,4,6,7,8-HxCDF	0.046	NA	NA	0.029	0.039	0.058	0.046	0.040	0.054	0.038	0.024	0.012	0.041
1,2,3,4,6,7,8-HpCDF	0.62	NA	NA	0.68	0.88	0.70	0.88	0.79	0.61	0.7	0.74	0.83	0.74
1,2,3,4,7,8,9-HpCDF	0.10	NA	NA	0.08	0.17	0.10	0.10	0.10	0.075	0.094	0.09	0.13	0.08
OCDF	3.36	NA	NA	3.80	4.51	4.54	4.30	3.98	3.40	3.60	4.39	4.45	4.30
<b>TEQ (PCDD/DF)</b>	<b>0.17</b>	<b>NA</b>	<b>0.60</b>	<b>0.17</b>	<b>0.26</b>	<b>0.17</b>	<b>0.20</b>	<b>0.19</b>	<b>0.18</b>	<b>0.19</b>	<b>0.17</b>	<b>0.21</b>	<b>0.18</b>
PCB #77	6.55	NA	NA	5.90	NA	8.34	7.80	7.11	5.59	8.00	NA	7.67	7.30
PCB #126	0.12	NA	NA	0.15	NA	0.26	0.13	0.13	0.099	0.15	NA	0.14	0.13
PCB #169	0.026	NA	NA	0.023	NA	0.019	0.021	0.023	0.019	0.019	NA	0.020	0.021
<b>TEQ (including PCBs)</b>	<b>0.19</b>	<b>NA</b>	<b>0.61</b>	<b>0.19</b>	<b>NA</b>	<b>0.19</b>	<b>0.21</b>	<b>0.20</b>	<b>0.19</b>	<b>0.21</b>	<b>NA</b>	<b>0.22</b>	<b>0.19</b>
Other PCBs (Optional)													
PCB #81	0.55	NA	NA	0.20	NA	0.11	0.12	0.13	0.10	0.15	NA	NA	0.14
PCB #105	10.7	NA	NA	8.2	NA	26.6	13.0	10.9	9.0	11.0	NA	NA	11.0
PCB #114	0.36	NA	NA	0.40	NA	0.61	0.41	0.48	0.46	0.56	NA	NA	0.76
PCB #118	44.8	NA	NA	33.0	NA	44.8	52.0	48.9	46.5	46.0	NA	NA	48.0
PCB #123	0.1	NA	NA	1.6	NA	0.4	0.4	0.6	2.7	0.6	NA	NA	1.1
PCB #156	5.0	NA	NA	4.4	NA	8.7	4.9	5.6	4.2	5.3	NA	NA	5.4
PCB #157	1.0	NA	NA	0.9	NA	0.7	0.8	1.0	0.8	0.9	NA	NA	1.0
PCB #167	7.9	NA	NA	2.4	NA	2.6	2.6	2.6	6.8	2.4	NA	NA	2.7
PCB #189	0.9	NA	NA	0.9	NA	1.1	1.0	1.1	0.9	1.1	NA	NA	1.1
<b>TEQ Total</b>	<b>0.20</b>	<b>NA</b>	<b>0.61</b>	<b>0.19</b>	<b>NA</b>	<b>0.21</b>	<b>0.22</b>	<b>0.21</b>	<b>0.2</b>	<b>0.22</b>	<b>NA</b>	<b>NA</b>	<b>0.20</b>

\* all values in ng/g  
ND: not detected < than value expected  
NA: not analyzed

Participant code:	67	70	72	74	77
Weight Analysed:	5.00	3.97	10.04	NA	4.13
2,3,7,8-TeCDD	0.100	0.101	0.117	NA	0.119
1,2,3,7,8-PeCDD	0.006	0.006	0.006	NA	0.008
1,2,3,4,7,8-HxCDD	0.008	0.008	0.010	NA	0.005
1,2,3,6,7,8-HxCDD	0.025	0.024	0.025	NA	0.021
1,2,3,7,8,9-HxCDD	0.013	0.014	0.010	NA	0.033
1,2,3,4,6,7,8-HpCDD	0.31	0.289	0.33	NA	0.28
OCDD	3.03	3.59	3.29	NA	2.58
2,3,7,8-TeCDF	0.043	0.040	0.036	NA	0.042
1,2,3,7,8-PeCDF	0.033	0.032	0.040	NA	0.028
2,3,4,7,8-PeCDF	0.040	0.042	0.037	NA	0.030
1,2,3,4,7,8-HxCDF	0.159	0.133	0.140	NA	0.124
1,2,3,6,7,8-HxCDF	0.055	0.062	0.075	NA	0.063
1,2,3,7,8,9-HxCDF	0.009	0.003	0.007	NA	0.018
2,3,4,6,7,8-HxCDF	0.041	0.066	0.046	NA	0.033
1,2,3,4,6,7,8-HpCDF	0.70	0.670	0.78	NA	0.64
1,2,3,4,7,8,9-HpCDF	0.10	0.097	0.09	NA	0.09
OCDF	4.46	3.87	4.52	NA	3.60
<b>TEQ (PCDD/DF)</b>	<b>0.17</b>	<b>0.18</b>	<b>0.19</b>	<b>NA</b>	<b>0.19</b>
PCB #77	5.87	NA	5.09	NA	NA
PCB #126	0.13	NA	0.18	NA	NA
PCB #169	<0.016	NA	0.026	NA	NA
<b>TEQ (including PCBs)</b>	<b>0.19</b>	<b>NA</b>	<b>0.21</b>	<b>NA</b>	<b>NA</b>
Other PCBs (Optional)					
PCB #81	0.29	NA	0.05	NA	NA
PCB #105	11.0	NA	7.5	NA	NA
PCB #114	1.70	NA	0.37	NA	NA
PCB #118	44.5	NA	37.3	NA	NA
PCB #123	0.6	NA	0.6	NA	NA
PCB #156	4.8	NA	6.0	NA	NA
PCB #157	0.8	NA	1.0	NA	NA
PCB #167	2.6	NA	2.9	NA	NA
PCB #189	1.0	NA	2.8	NA	NA
<b>TEQ Total</b>	<b>0.20</b>	<b>NA</b>	<b>0.22</b>	<b>NA</b>	<b>NA</b>
* all values in ng/g					
ND: not detected < than value expected      Soil C5					
NA: not analyzed					



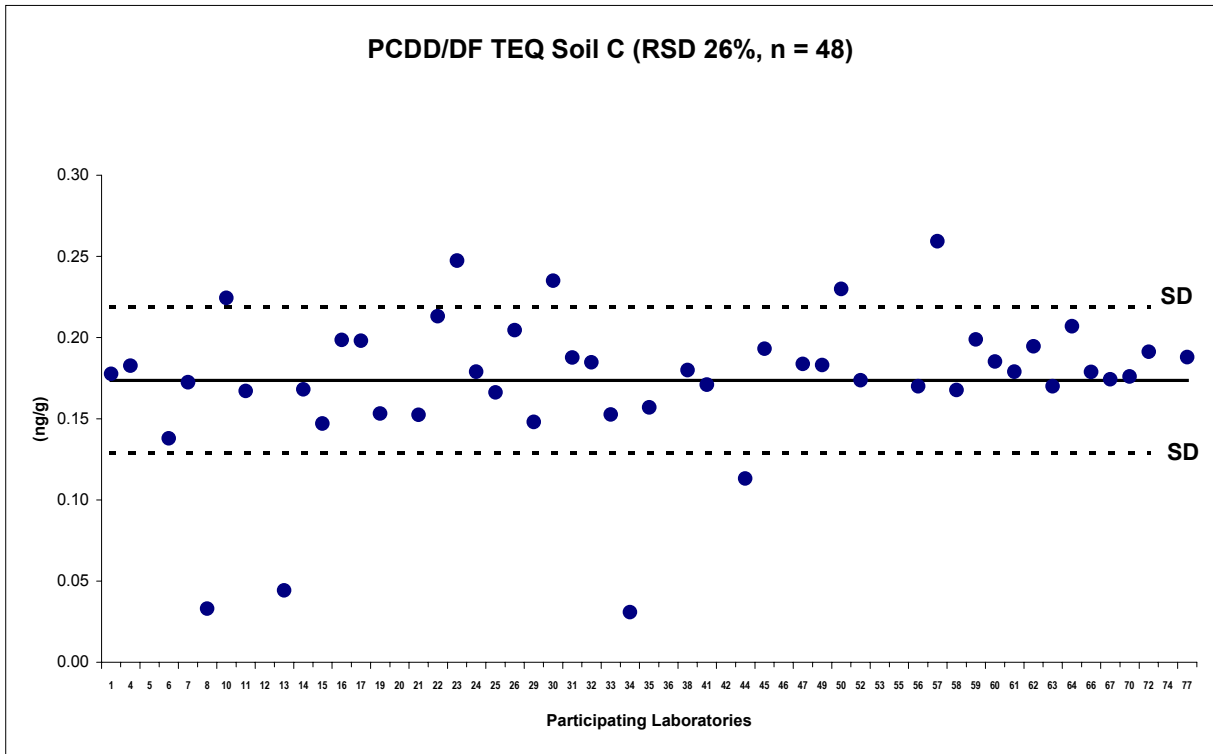
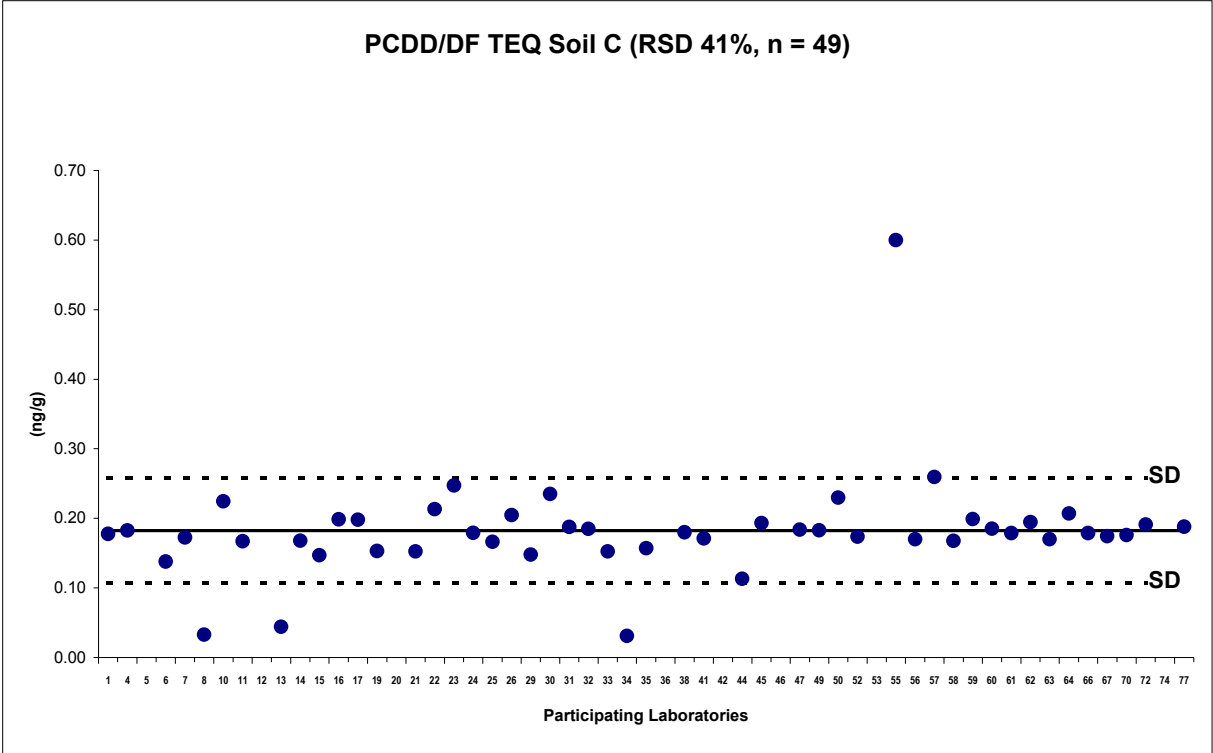
Participant code:						
Weight Analysed:						
	Average	Median	Min	Max	SD	%RSD
2,3,7,8-TeCDD	0.102	0.106	0.007	0.163	0.024	24%
1,2,3,7,8-PeCDD	0.008	0.006	0.002	0.054	0.008	101%
1,2,3,4,7,8-HxCDD	0.009	0.008	0.001	0.041	0.008	81%
1,2,3,6,7,8-HxCDD	0.024	0.024	0.002	0.052	0.007	31%
1,2,3,7,8,9-HxCDD	0.016	0.013	0.001	0.060	0.011	70%
1,2,3,4,6,7,8-HpCDD	0.27	0.27	0.07	0.55	0.07	26%
OCDD	2.97	2.79	0.58	16.41	2.12	71%
2,3,7,8-TeCDF	0.043	0.042	0.022	0.082	0.011	25%
1,2,3,7,8-PeCDF	0.041	0.035	0.012	0.116	0.017	42%
2,3,4,7,8-PeCDF	0.039	0.036	0.006	0.128	0.018	46%
1,2,3,4,7,8-HxCDF	0.148	0.149	0.017	0.265	0.044	29%
1,2,3,6,7,8-HxCDF	0.060	0.062	0.011	0.094	0.015	24%
1,2,3,7,8,9-HxCDF	0.019	0.009	0.002	0.060	0.017	89%
2,3,4,6,7,8-HxCDF	0.038	0.039	0.004	0.066	0.014	36%
1,2,3,4,6,7,8-HpCDF	0.66	0.69	0.07	0.90	0.16	24%
1,2,3,4,7,8,9-HpCDF	0.11	0.09	0.018	1.00	0.13	124%
OCDF	3.79	3.75	0.392	9.46	1.23	32%
<b>TEQ (PCDD/DF)</b>	<b>0.18</b>	<b>0.18</b>	<b>0.03</b>	<b>0.60</b>	<b>0.08</b>	<b>41%</b>
PCB #77	6.94	6.98	3.80	9.20	1.24	18%
PCB #126	0.15	0.13	0.03	0.53	0.10	65%
PCB #169	0.024	0.021	0.011	0.104	0.016	68%
<b>TEQ (including PCBs)</b>	<b>0.20</b>	<b>0.19</b>	<b>0.03</b>	<b>0.61</b>	<b>0.08</b>	<b>39%</b>
Other PCBs (Optional)						
PCB #81	0.25	0.15	0.05	0.69	0.19	77%
PCB #105	11.2	10.8	6.5	26.6	3.30	30%
PCB #114	0.89	0.49	0.30	10.30	1.75	197%
PCB #118	43.3	44.8	18.6	63.0	9.84	23%
PCB #123	2.6	1.4	0.1	10.5	3.06	117%
PCB #156	5.2	5.3	0.9	8.7	1.26	24%
PCB #157	1.1	0.9	0.4	5.5	0.94	83%
PCB #167	3.8	2.6	1.8	11.0	2.48	65%
PCB #189	1.1	1.0	0.3	2.8	0.37	35%
<b>TEQ Total</b>	<b>0.22</b>	<b>0.21</b>	<b>0.13</b>	<b>0.61</b>	<b>0.08</b>	<b>34%</b>

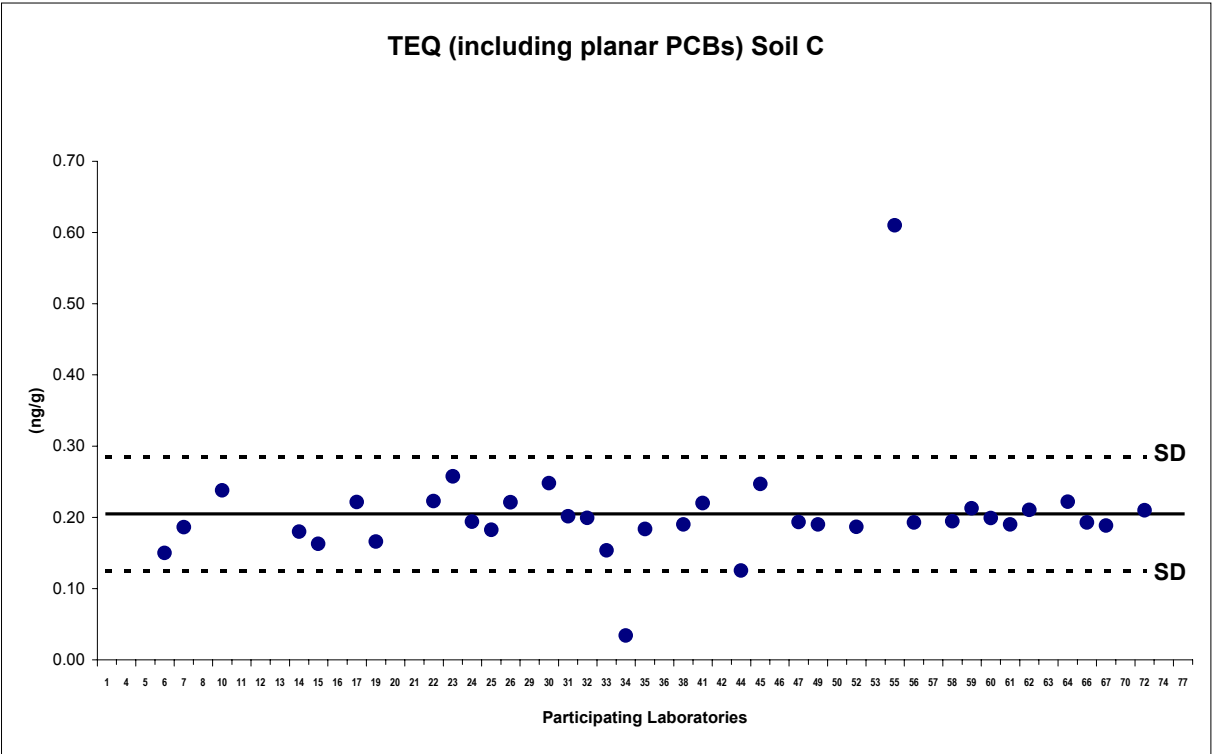
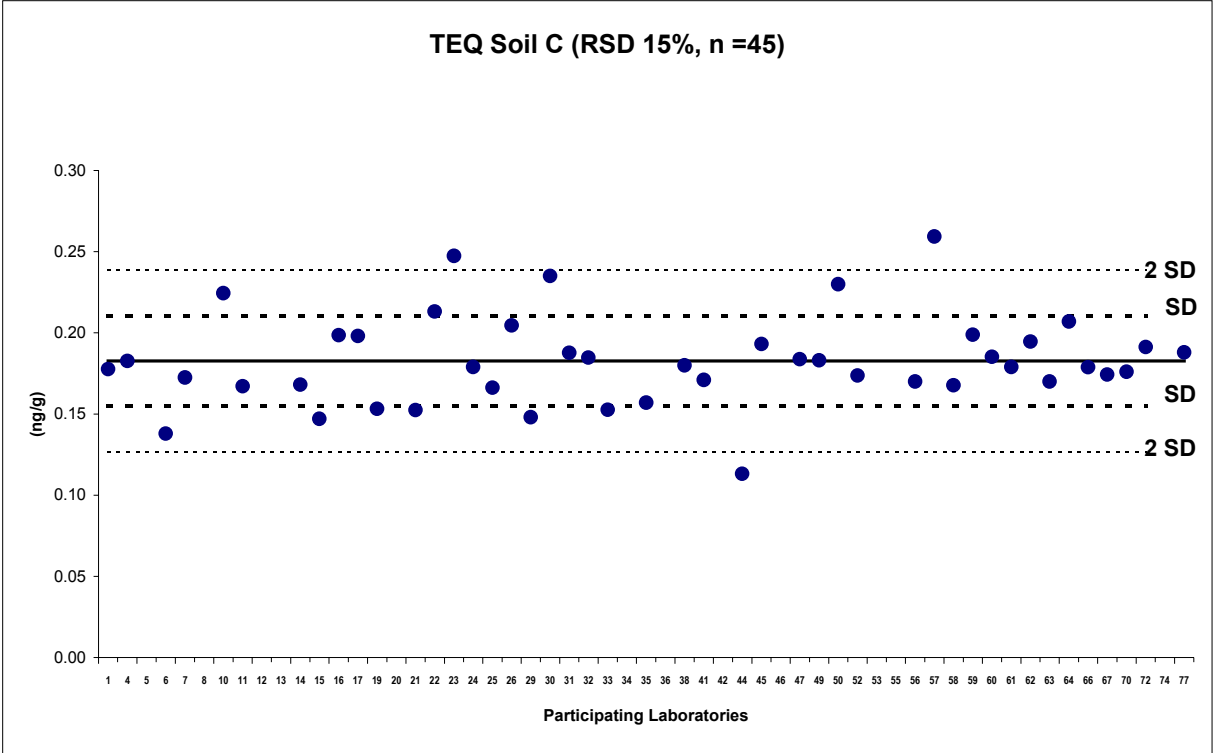
\* all values in ng/g

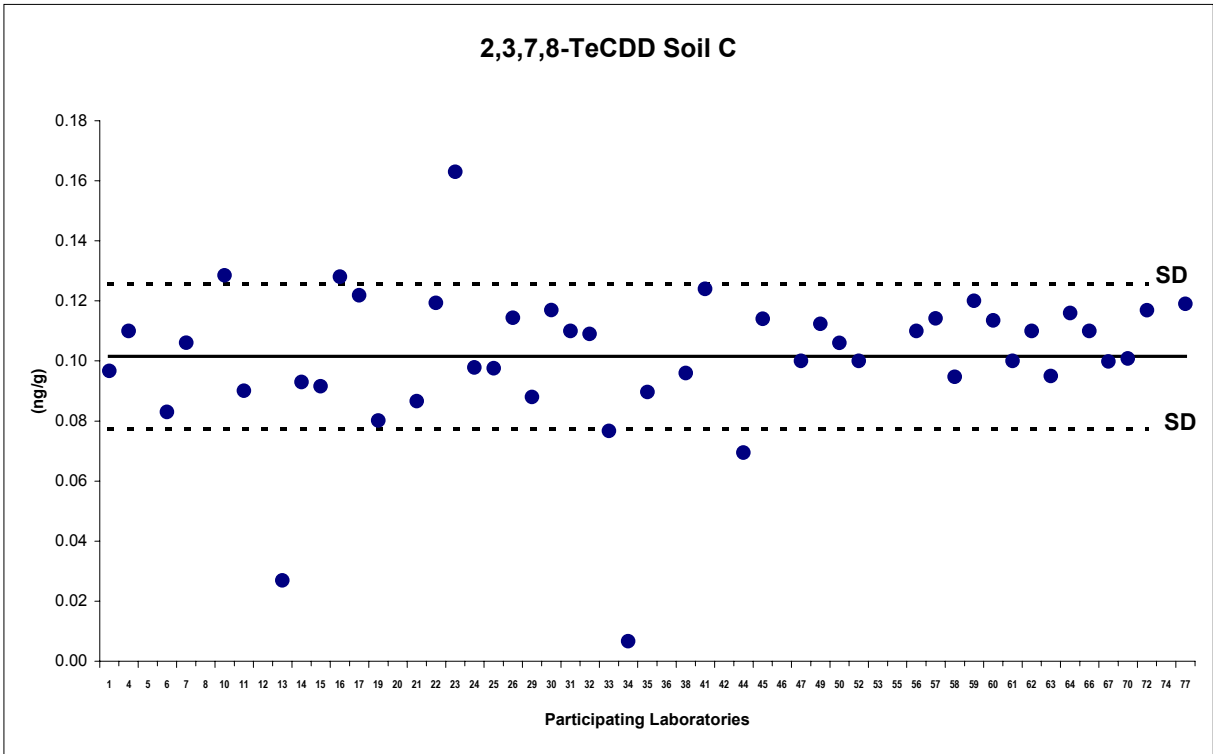
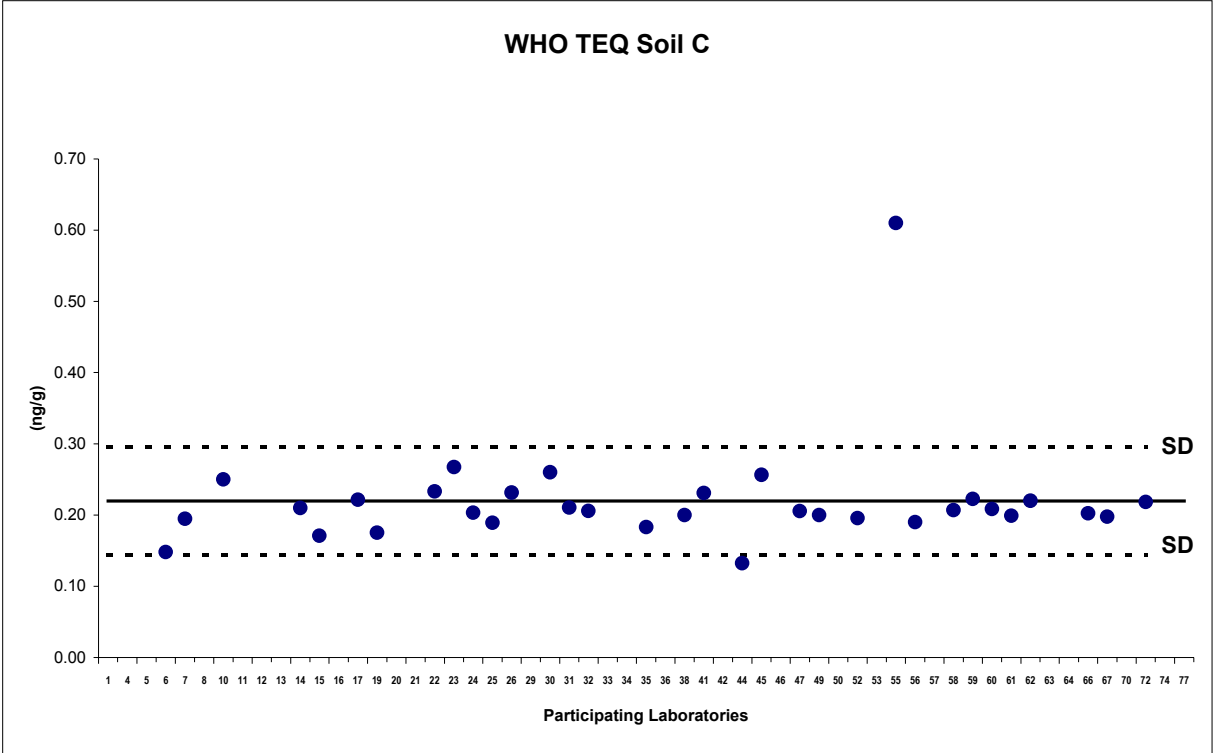
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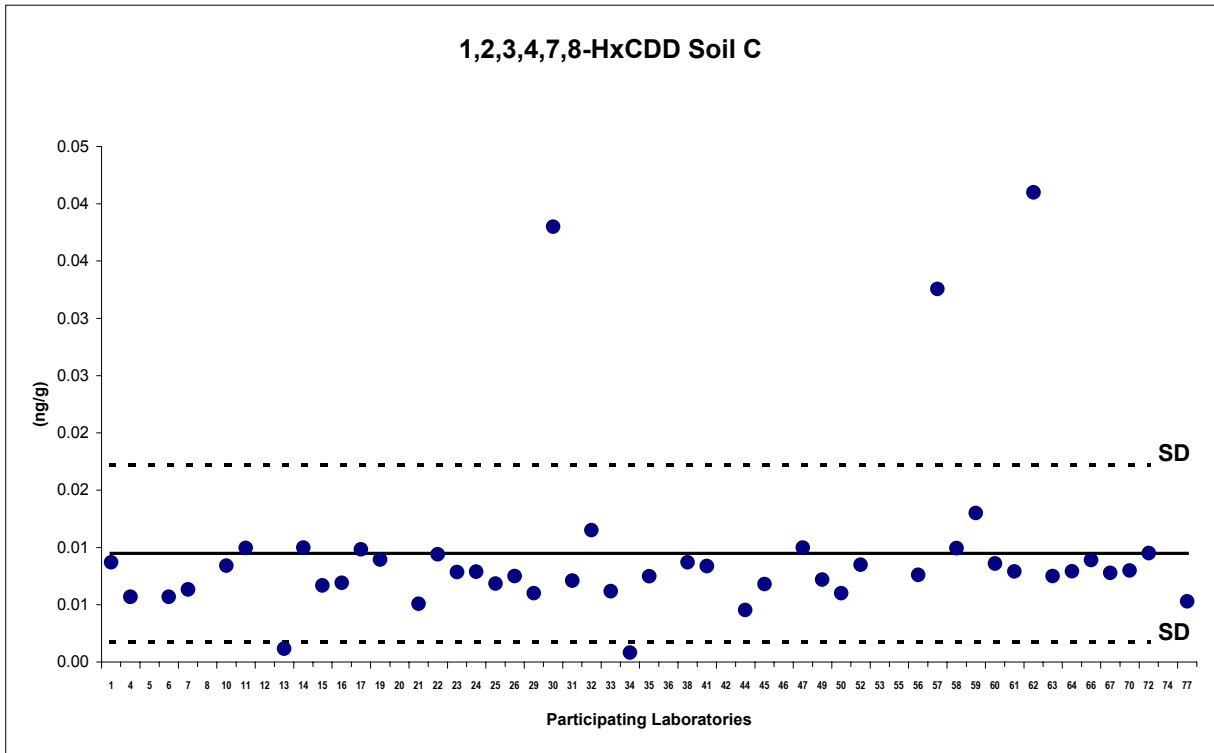
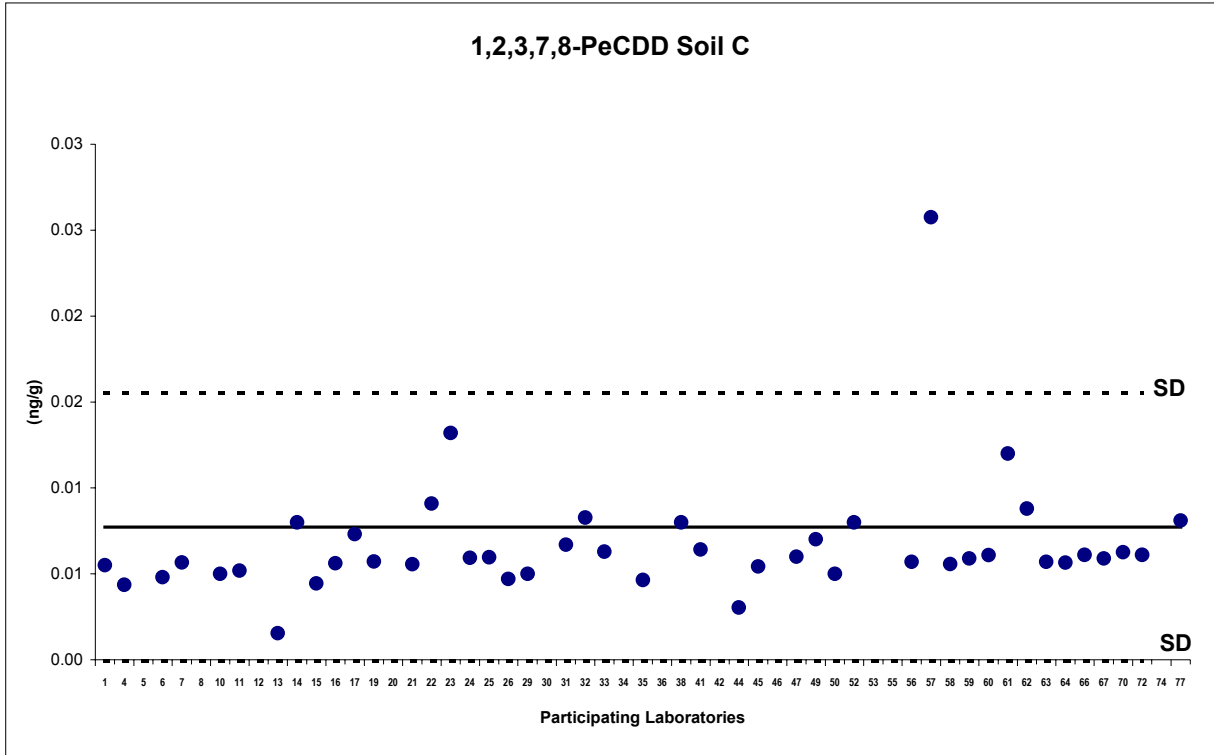
NA: not analyzed

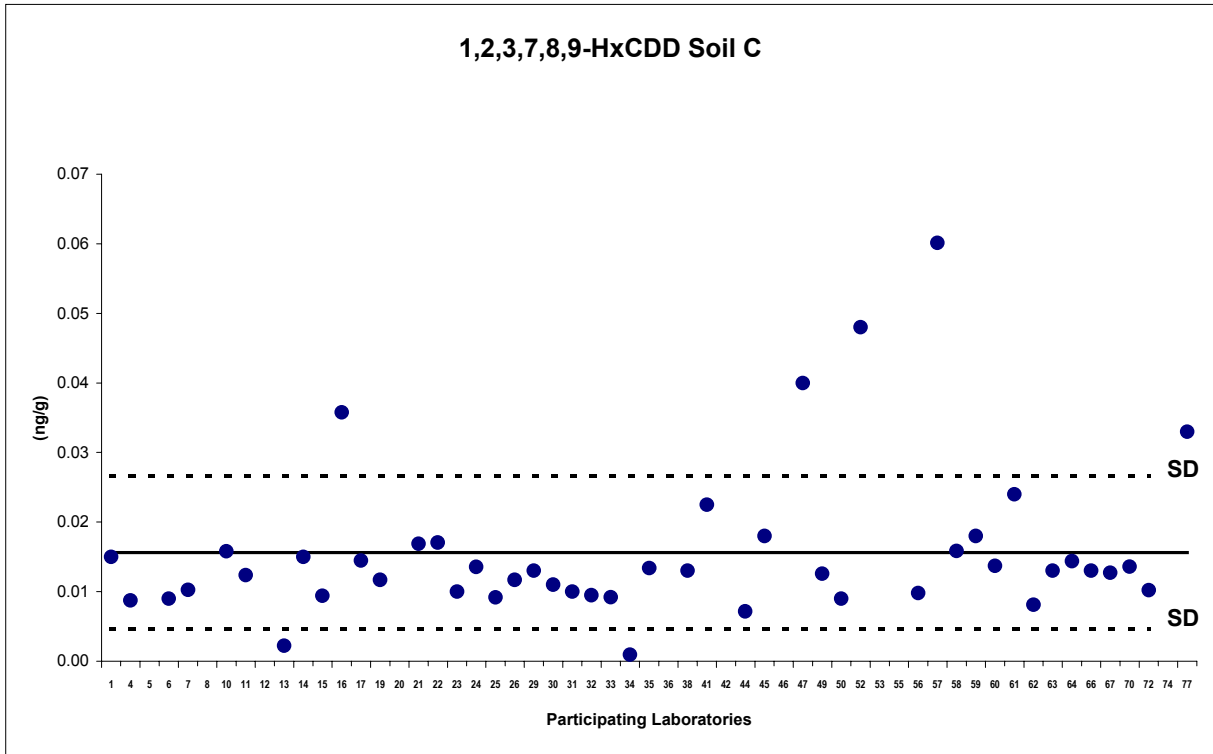
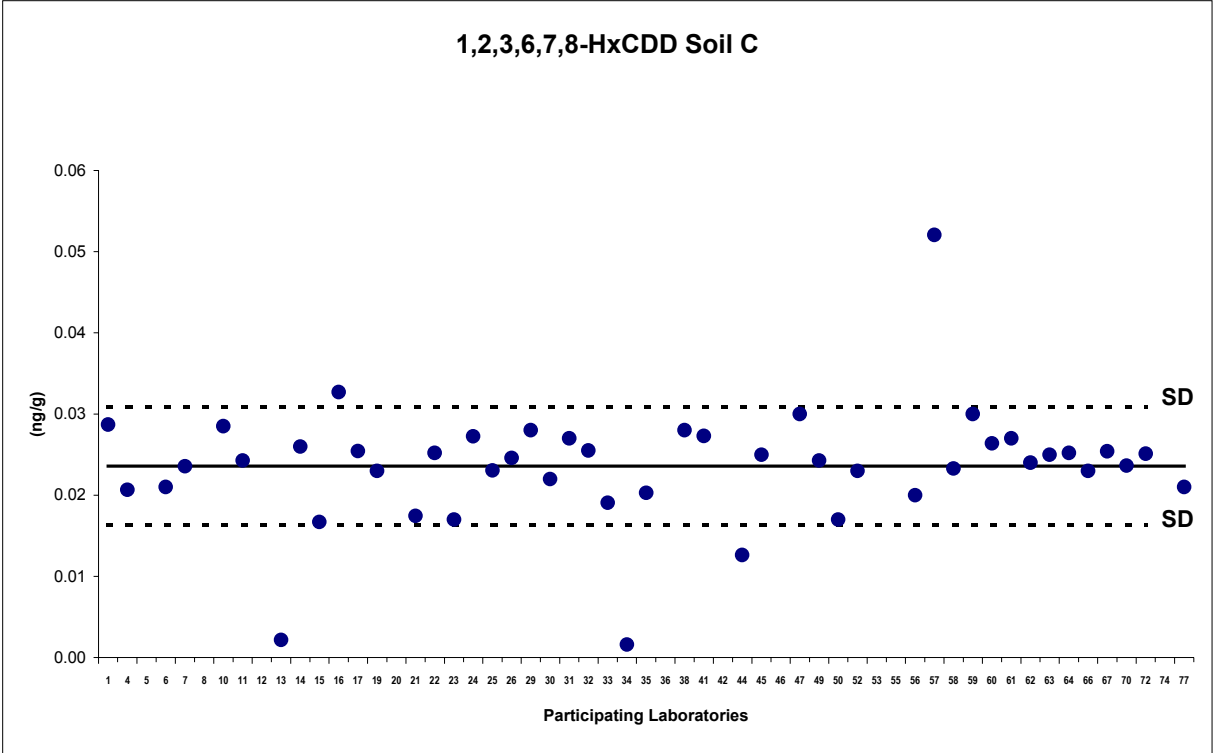
Soil C6

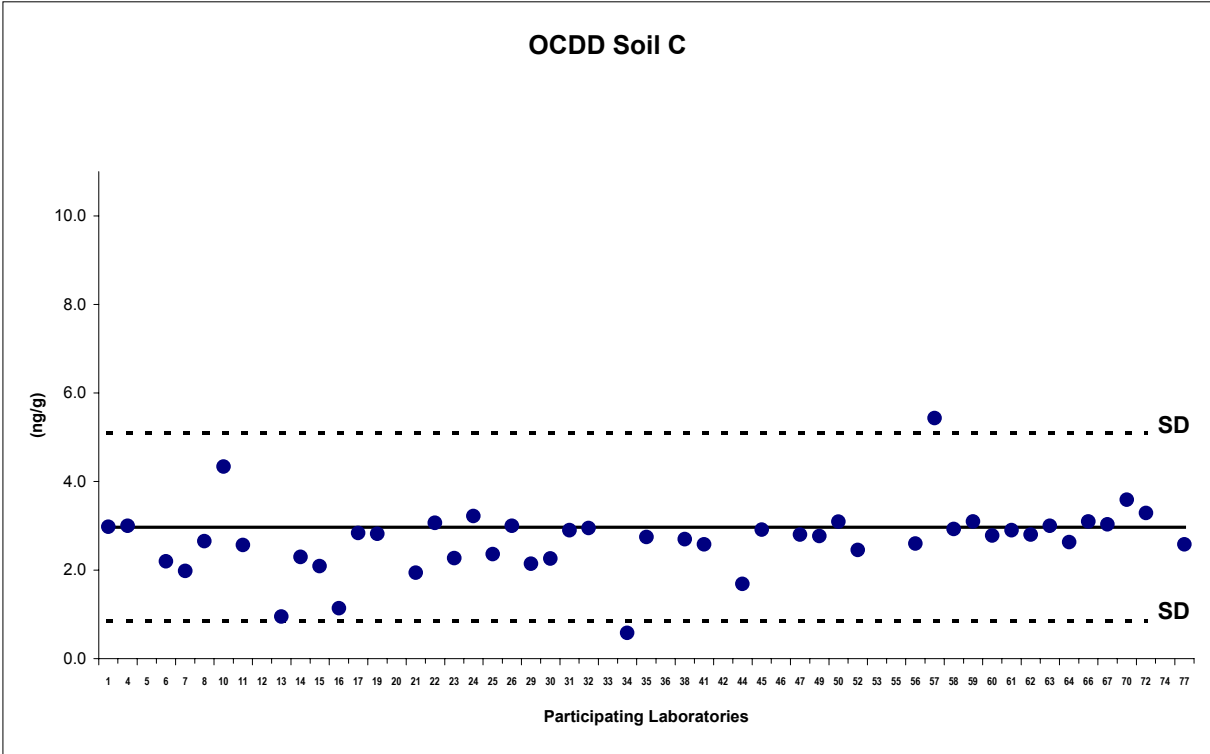
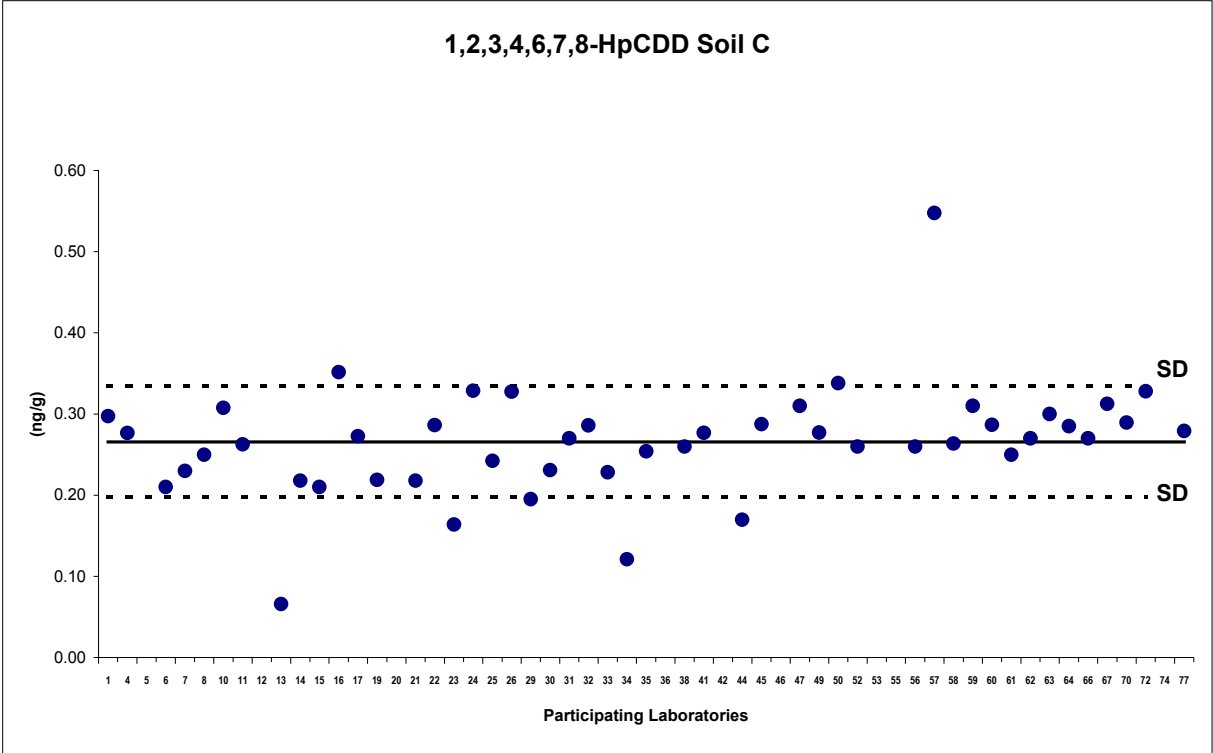


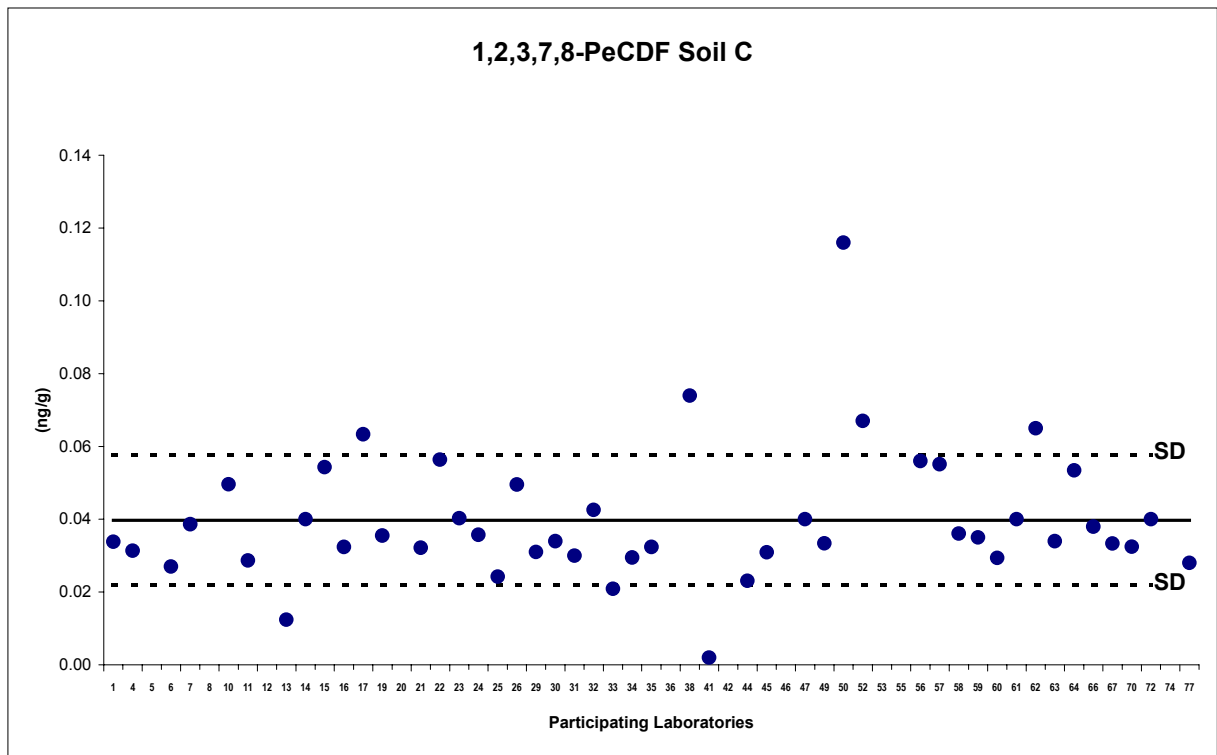
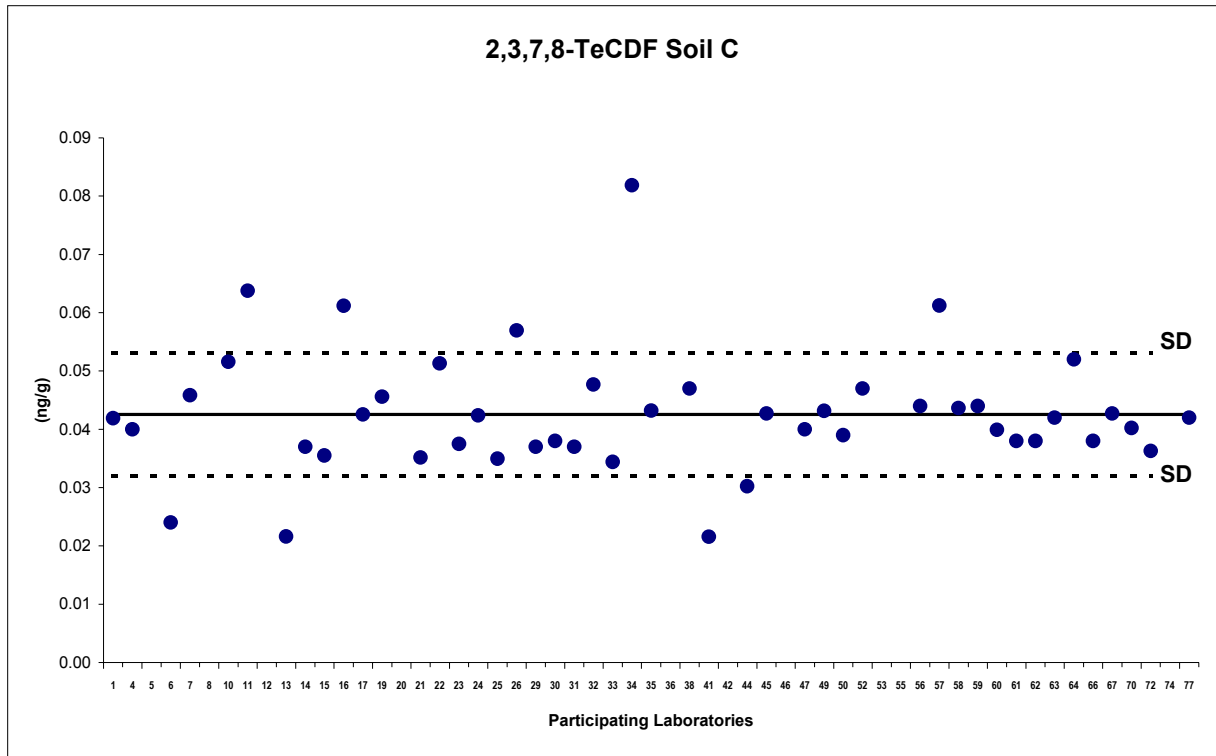




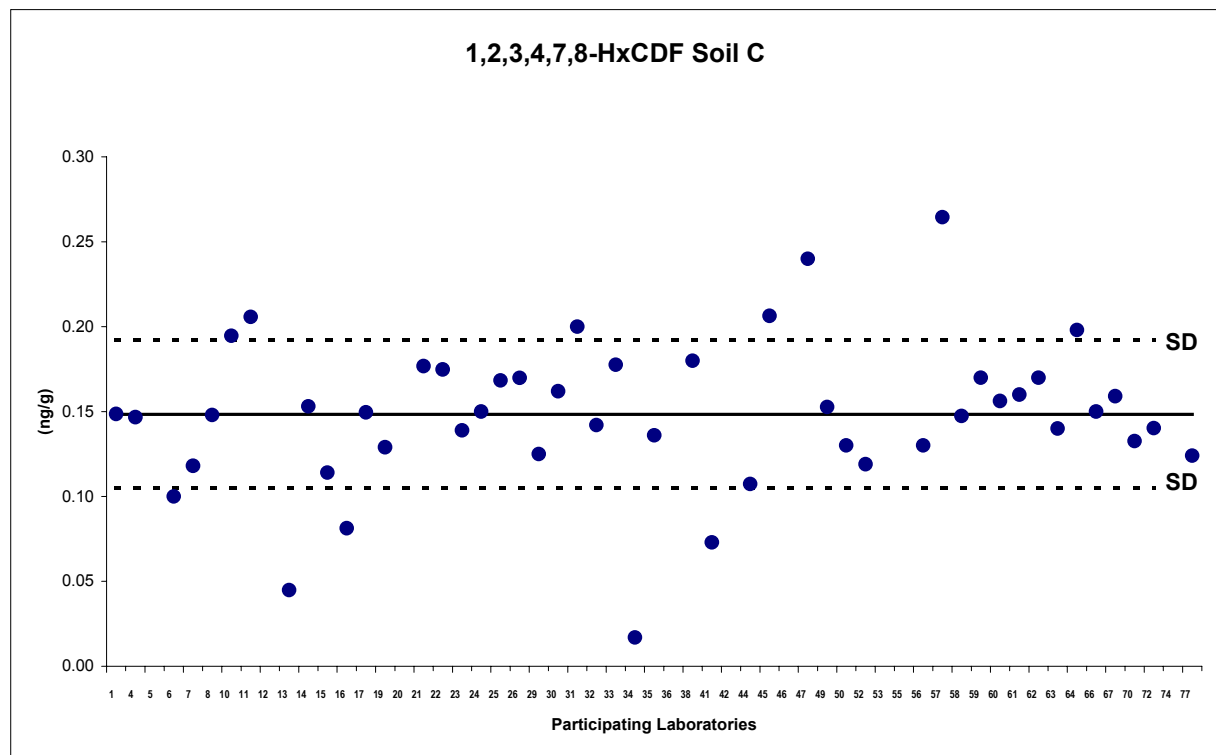
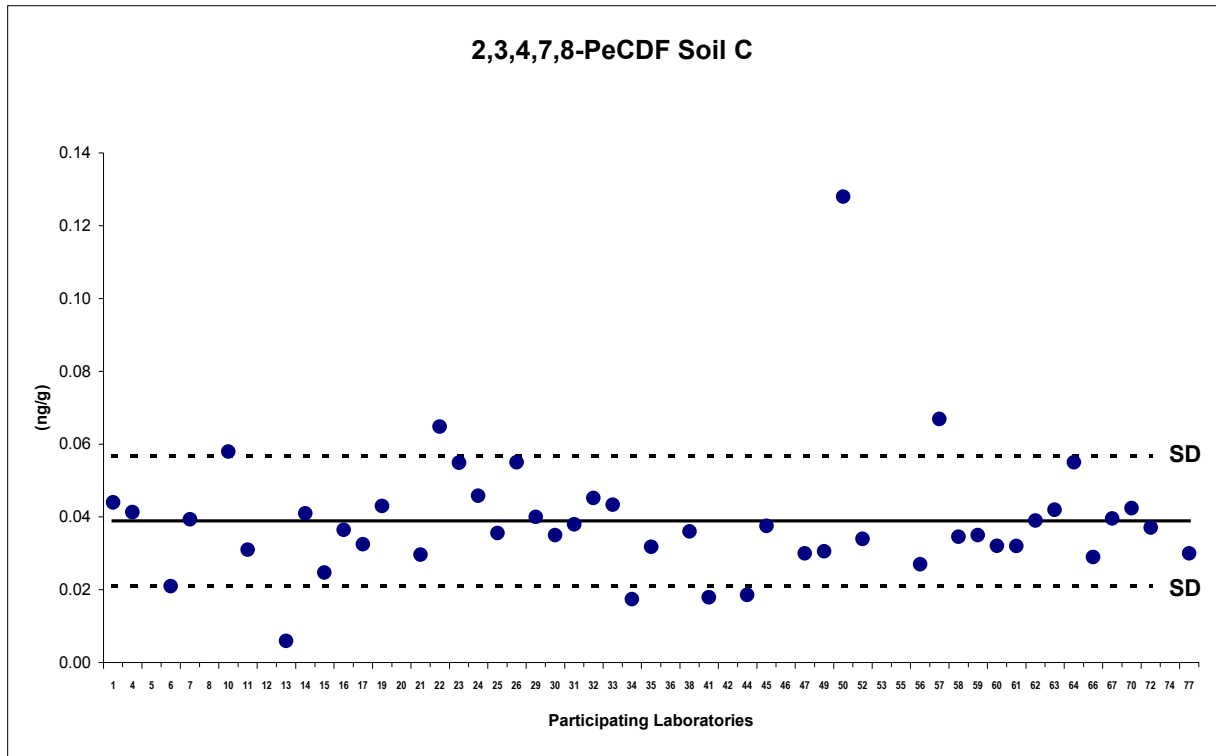


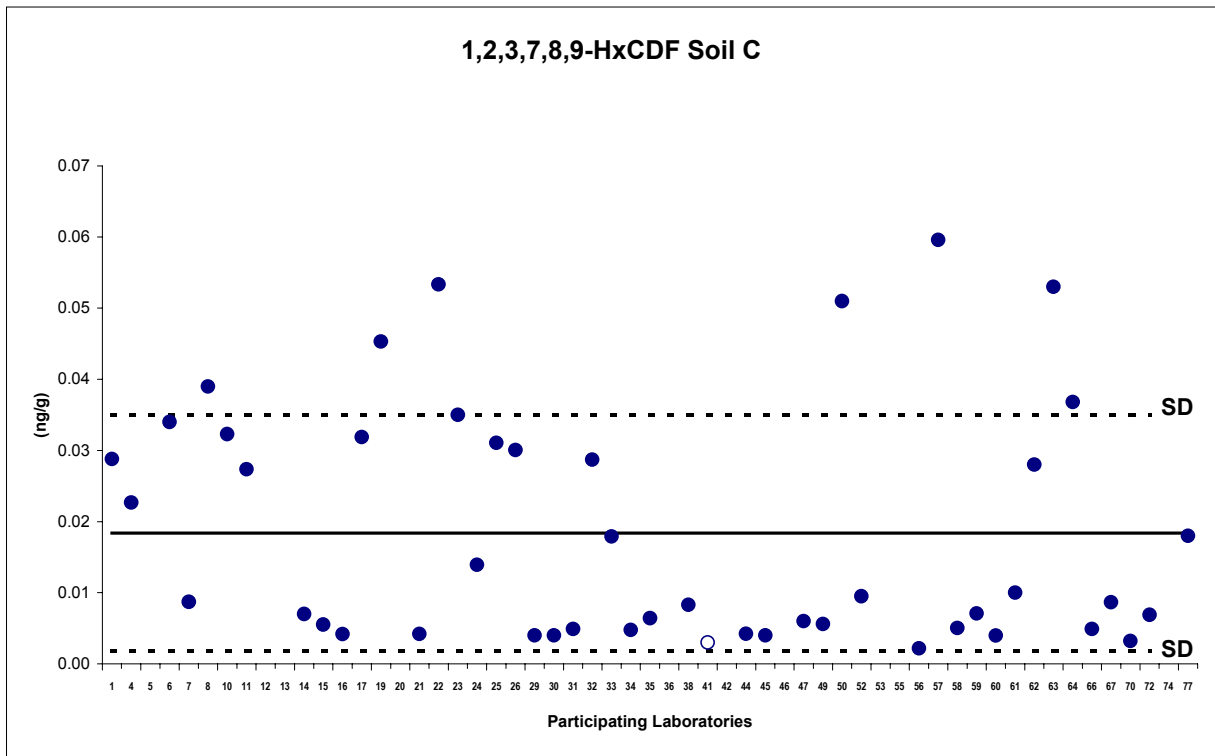
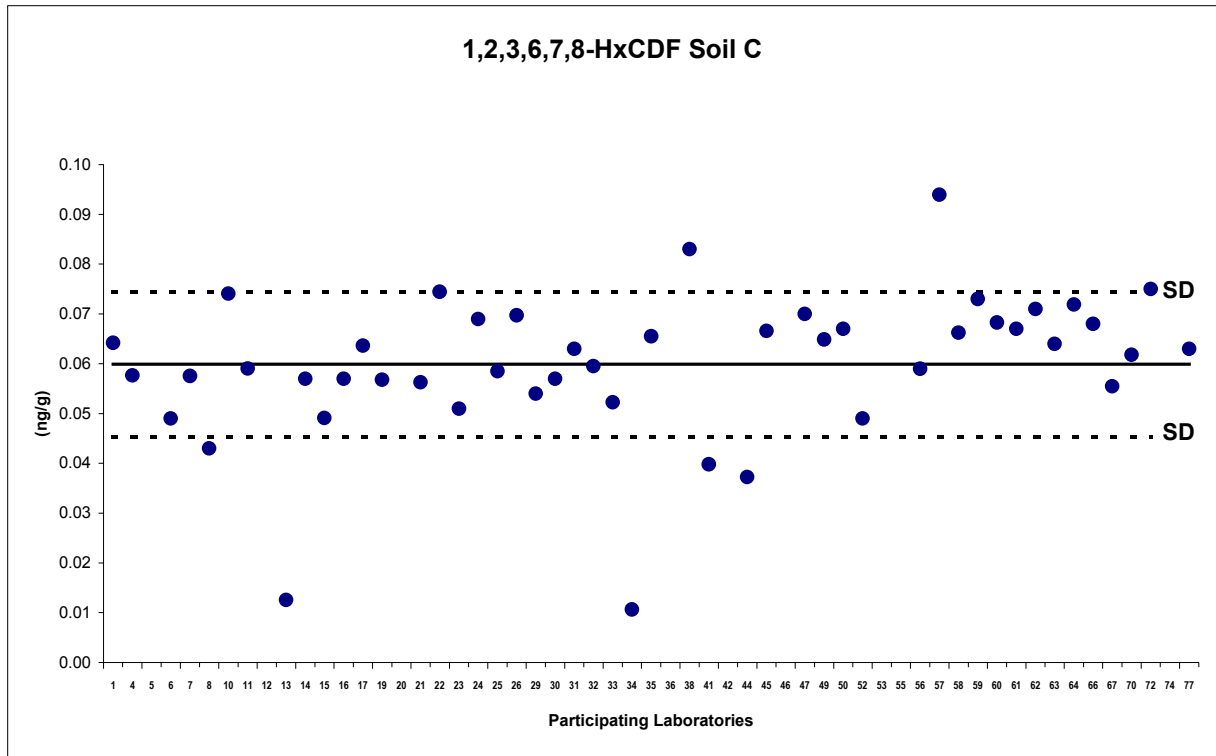


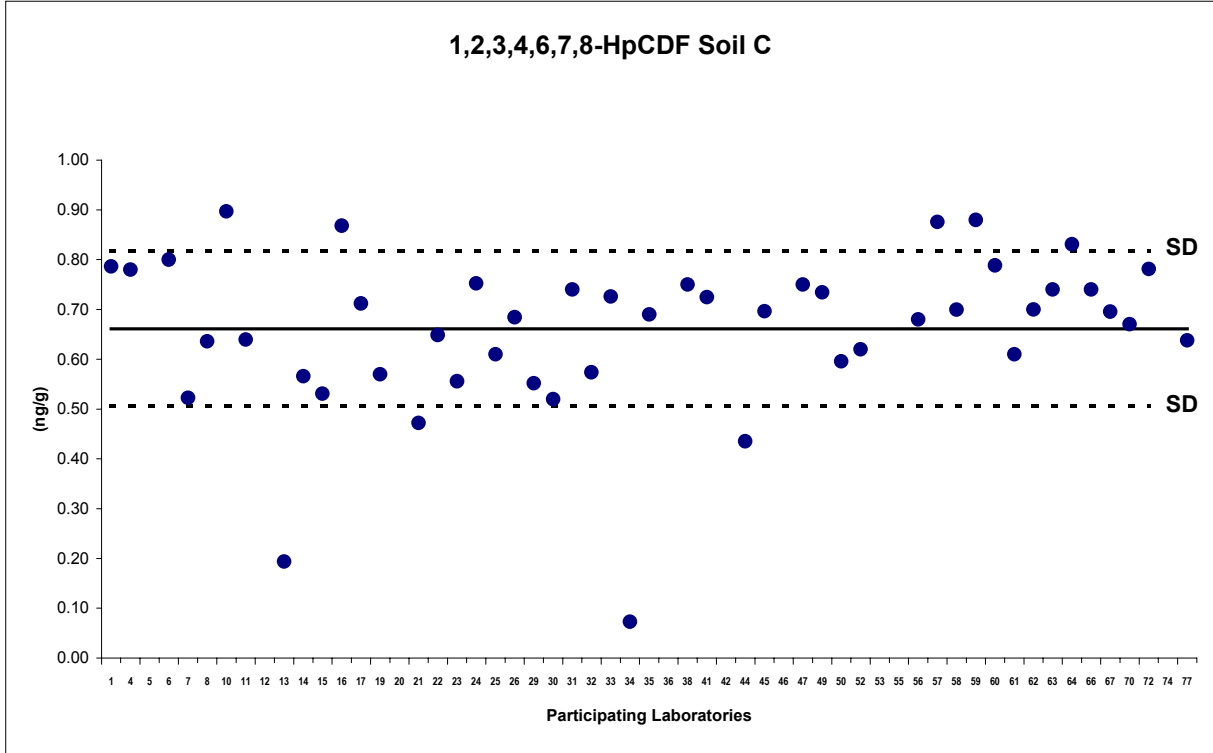
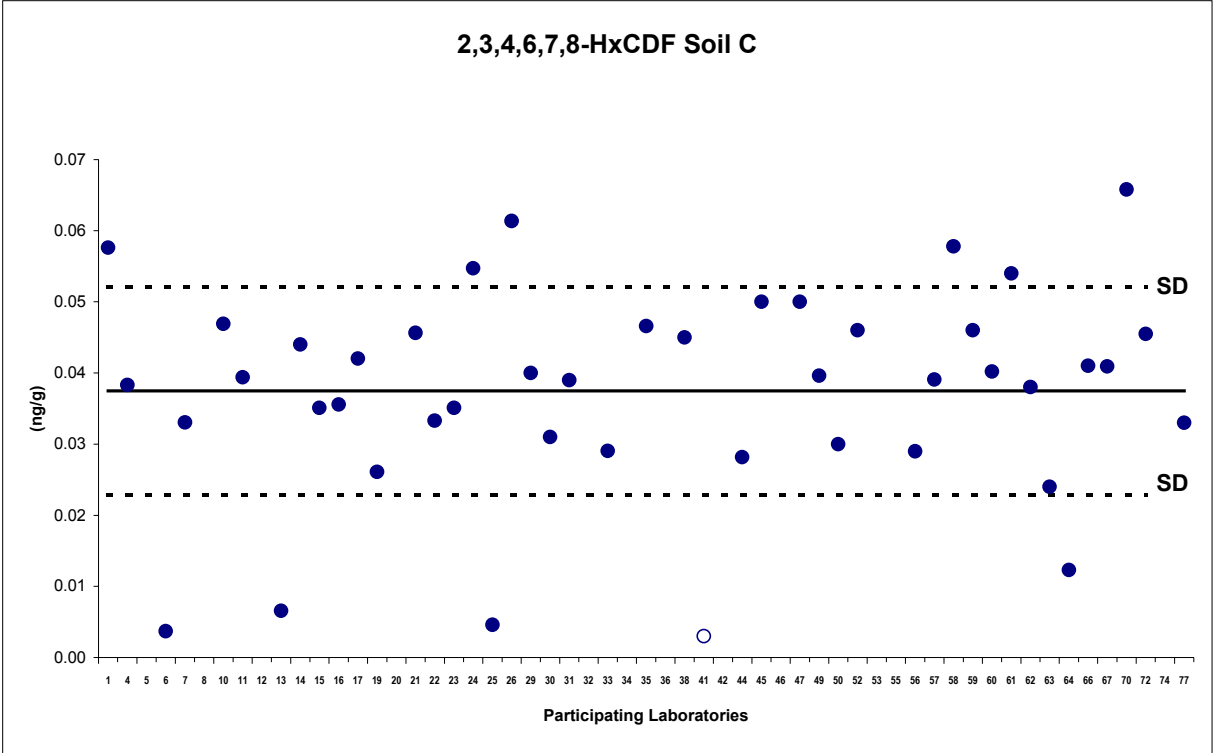


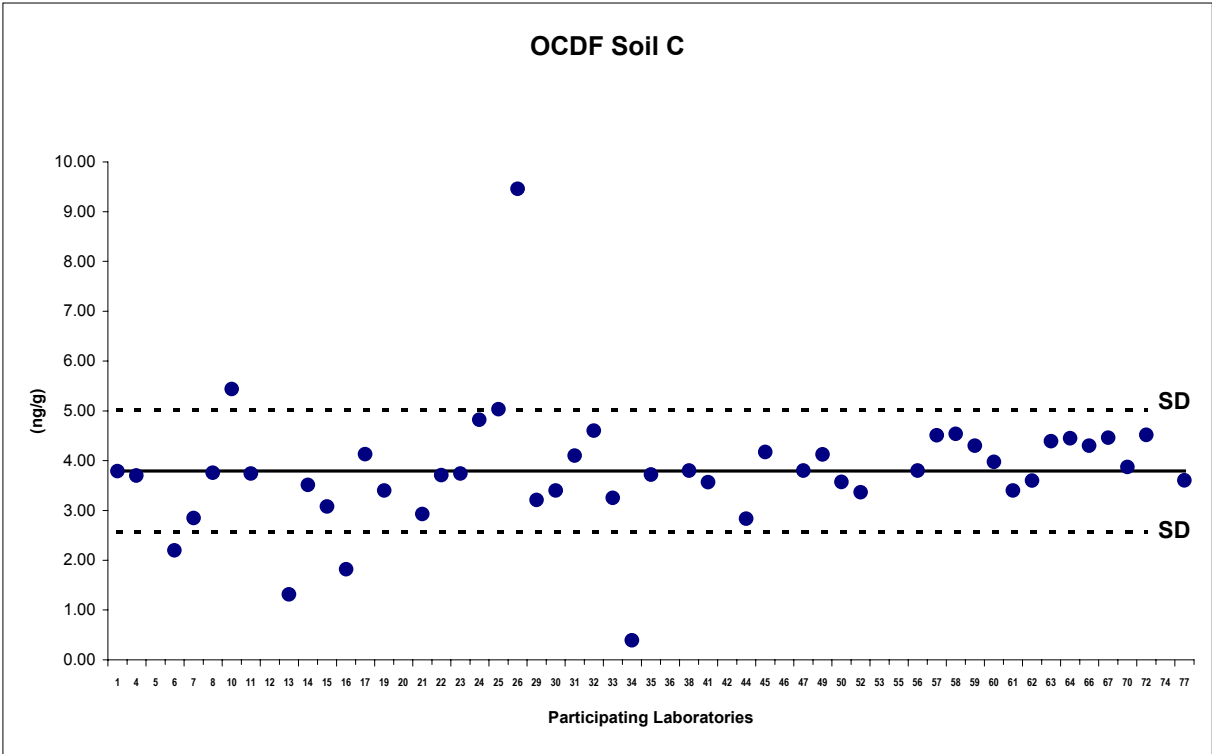
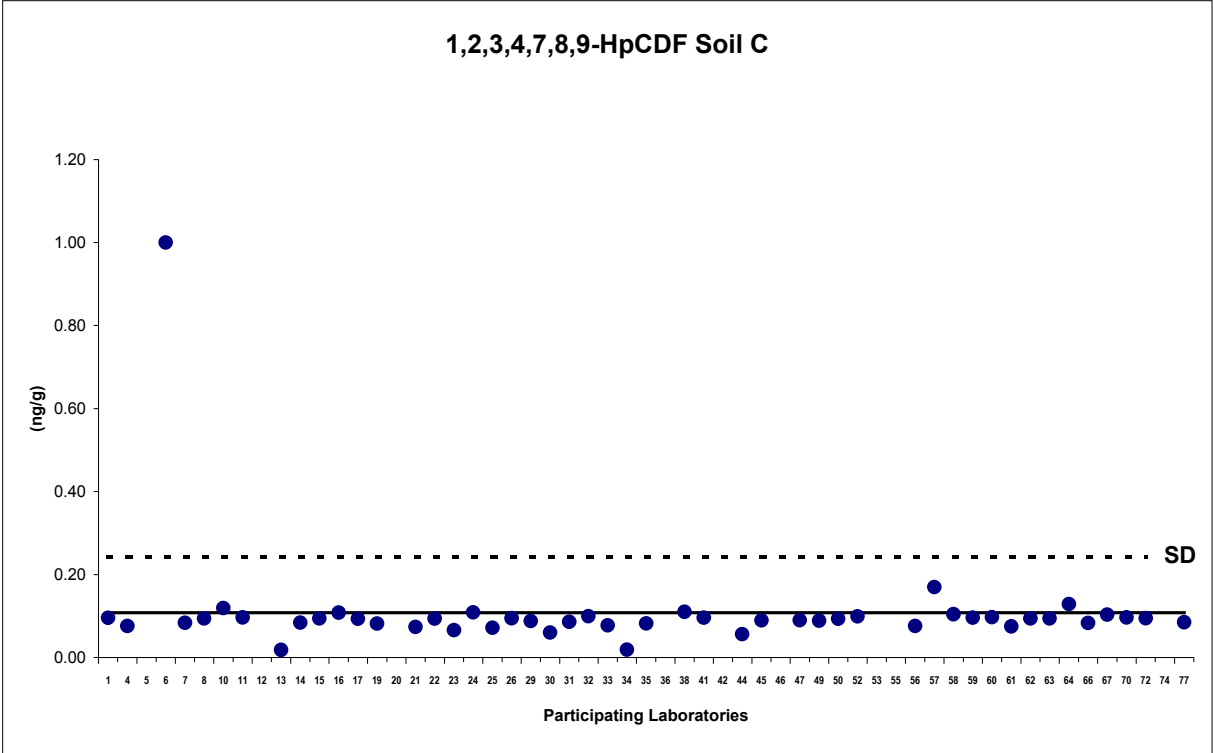


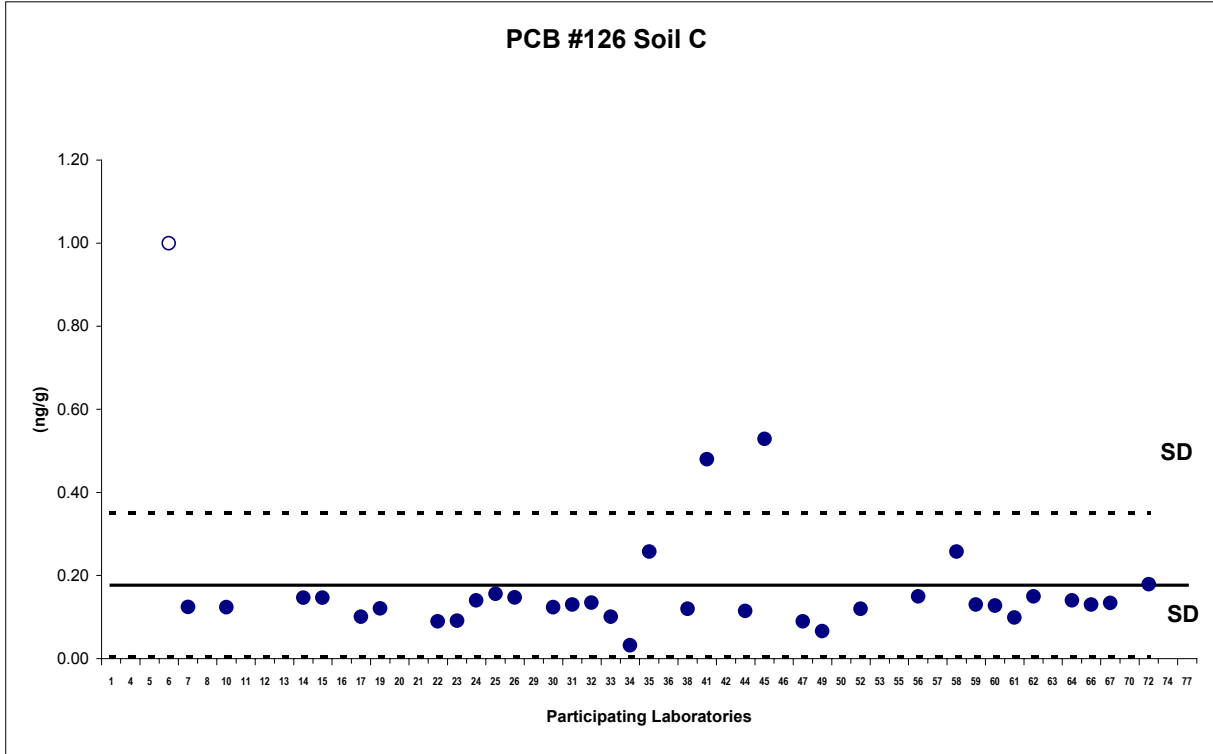
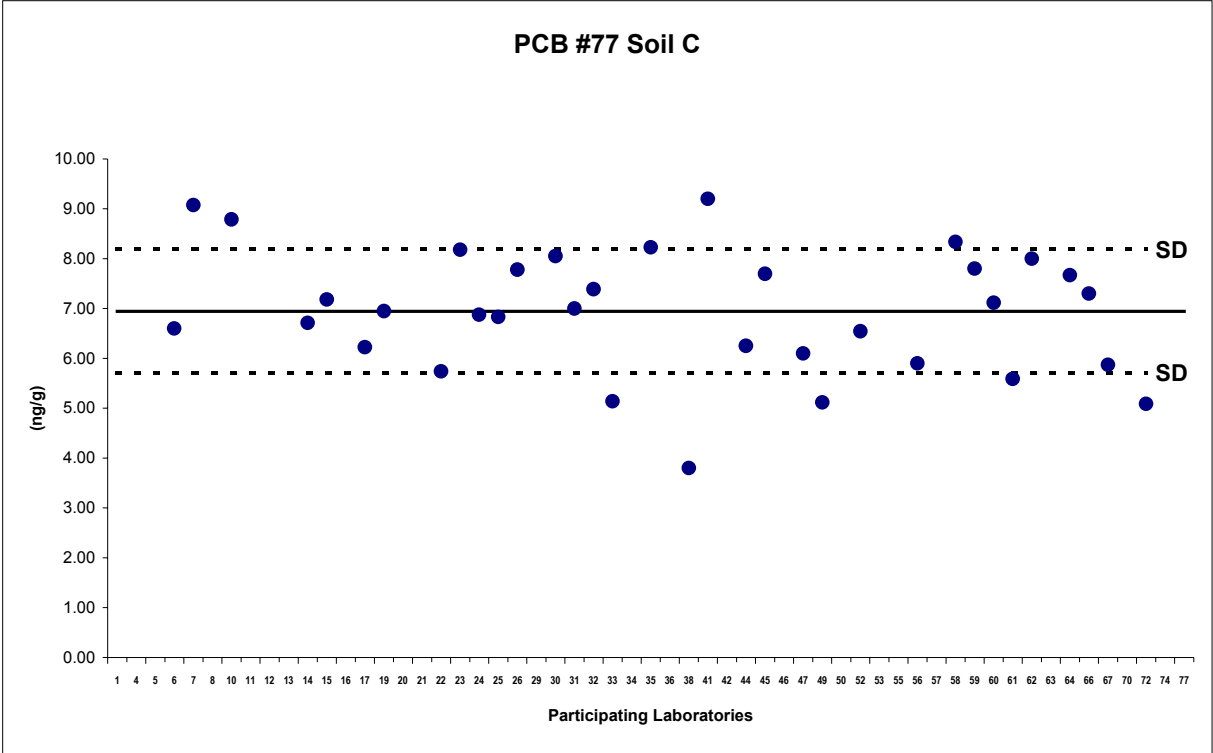


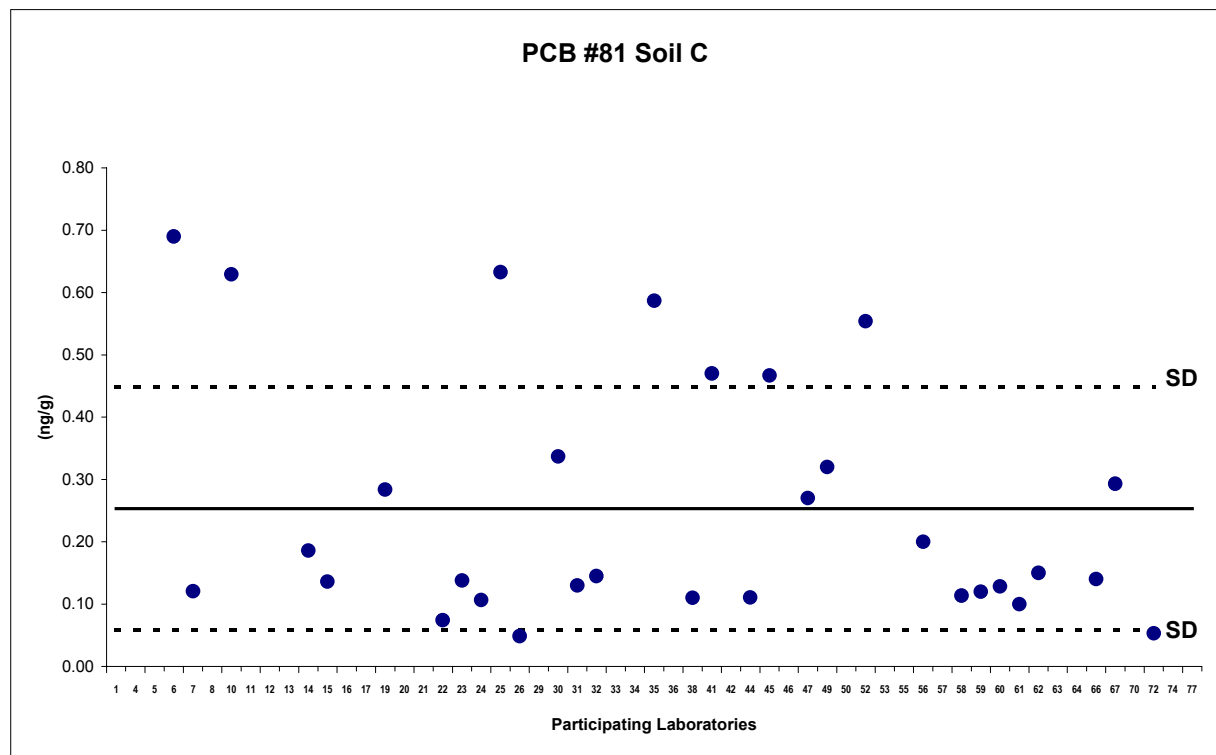
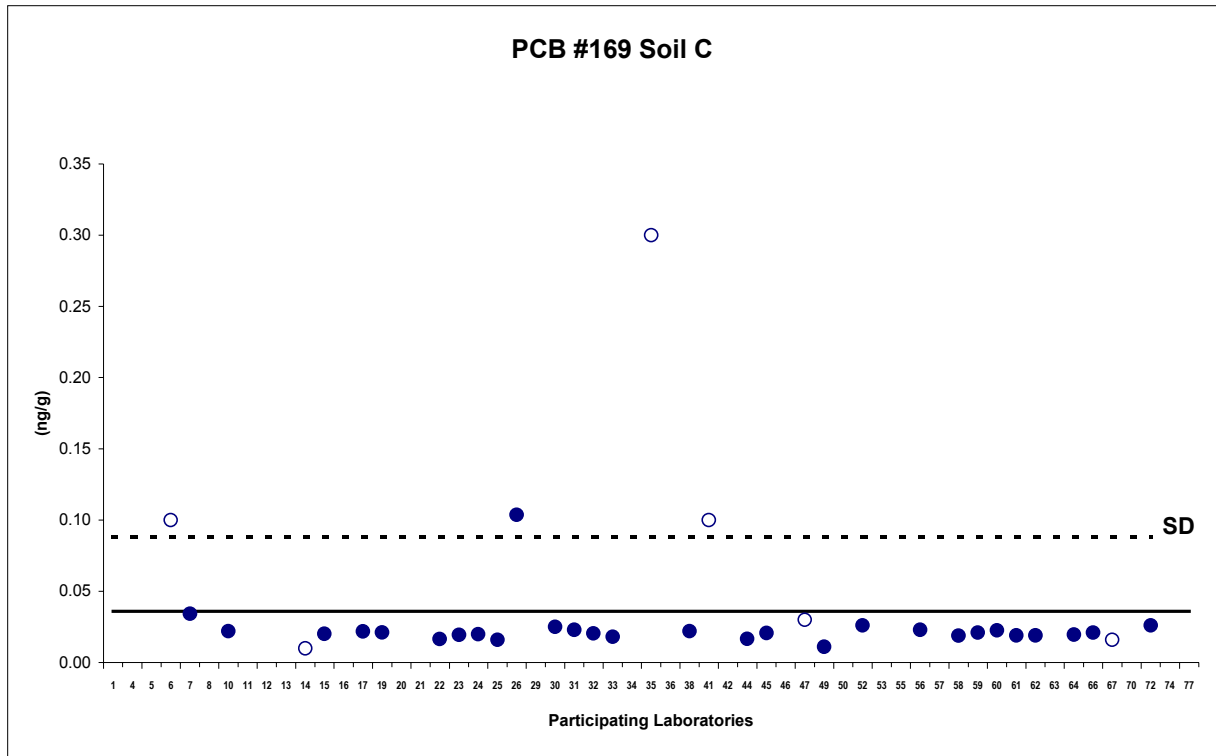


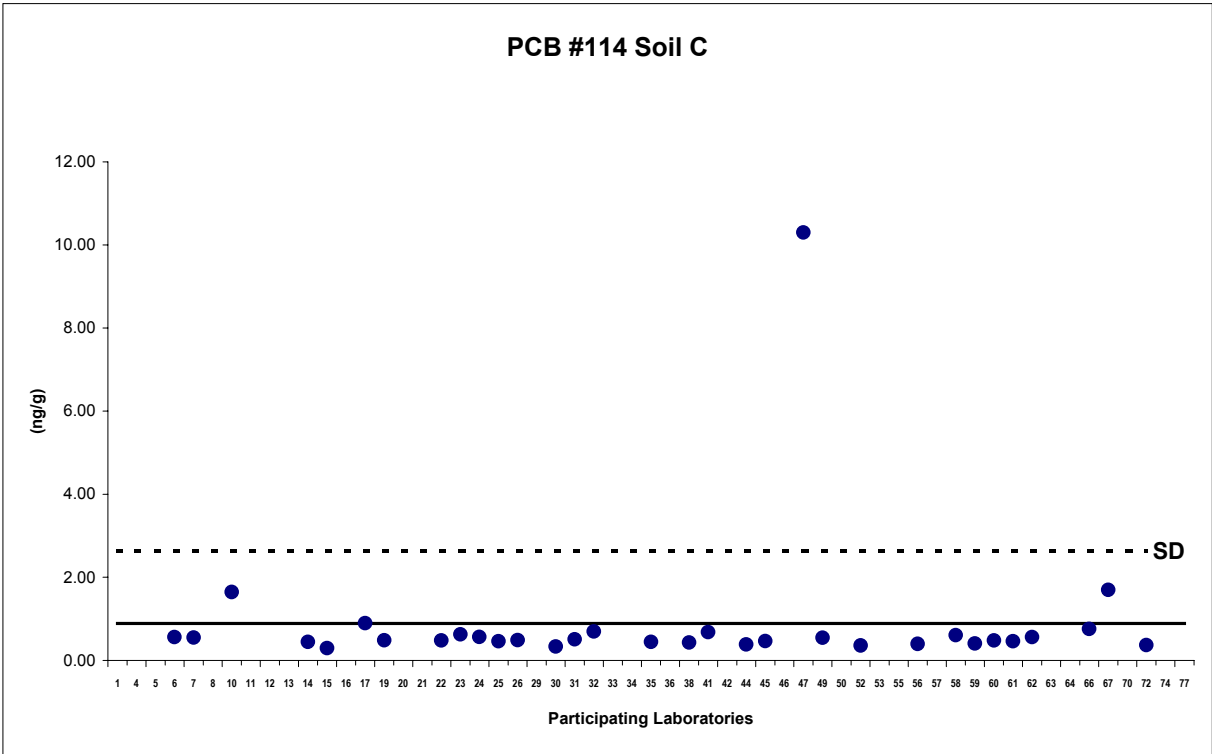
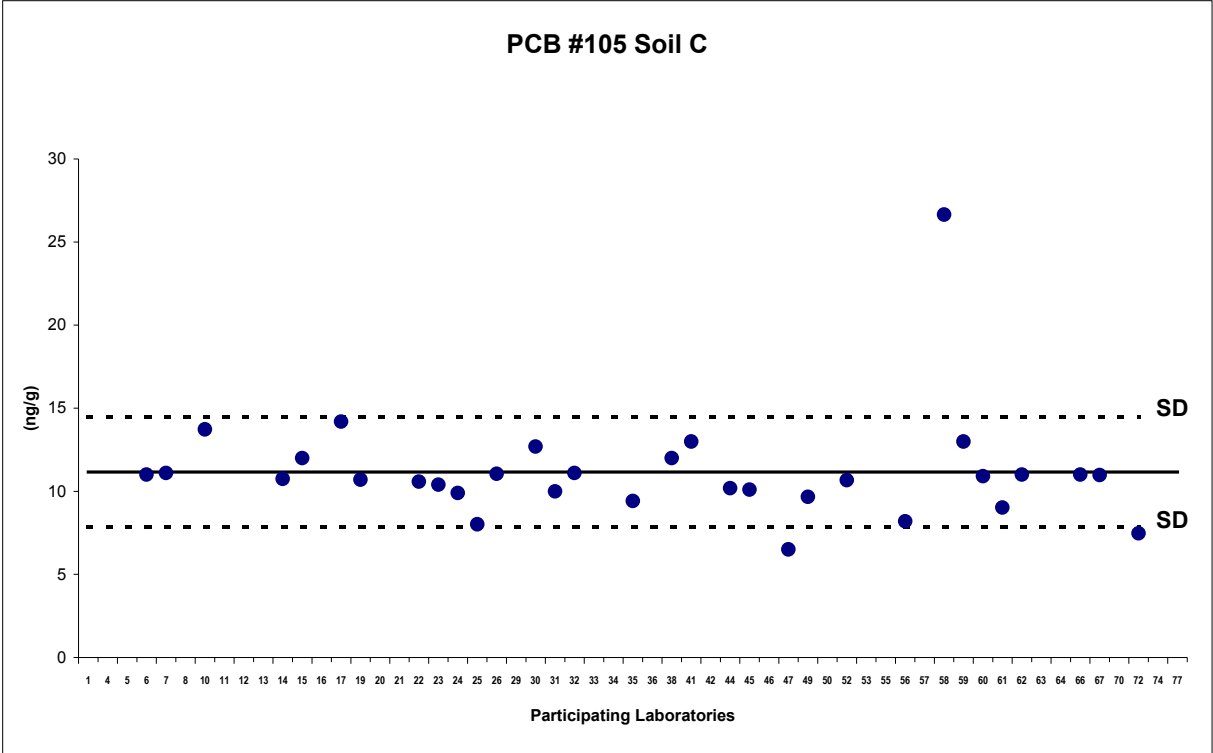


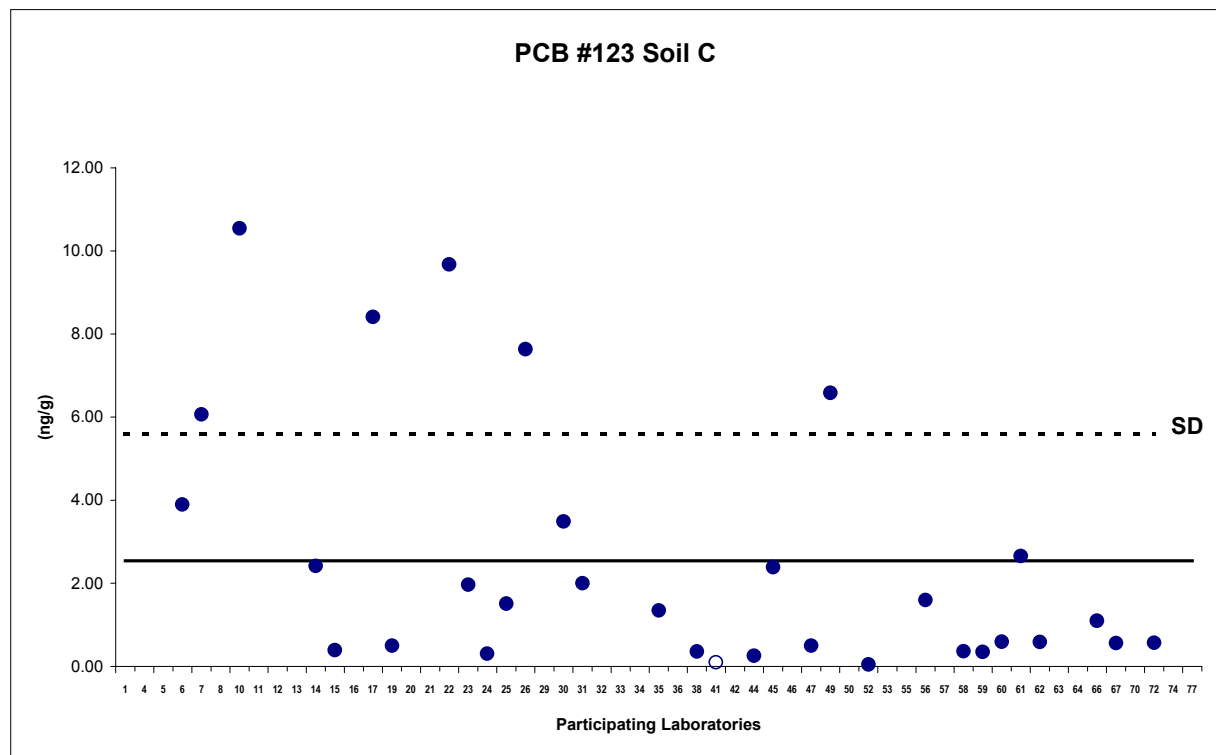
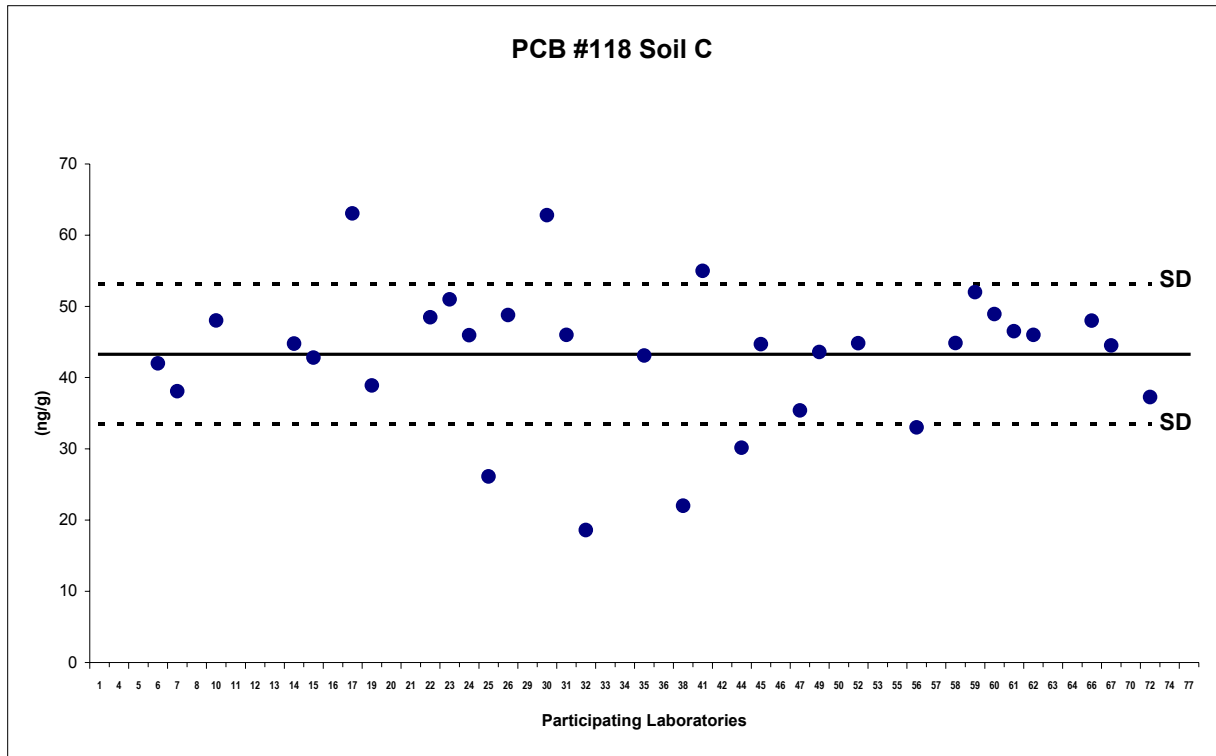




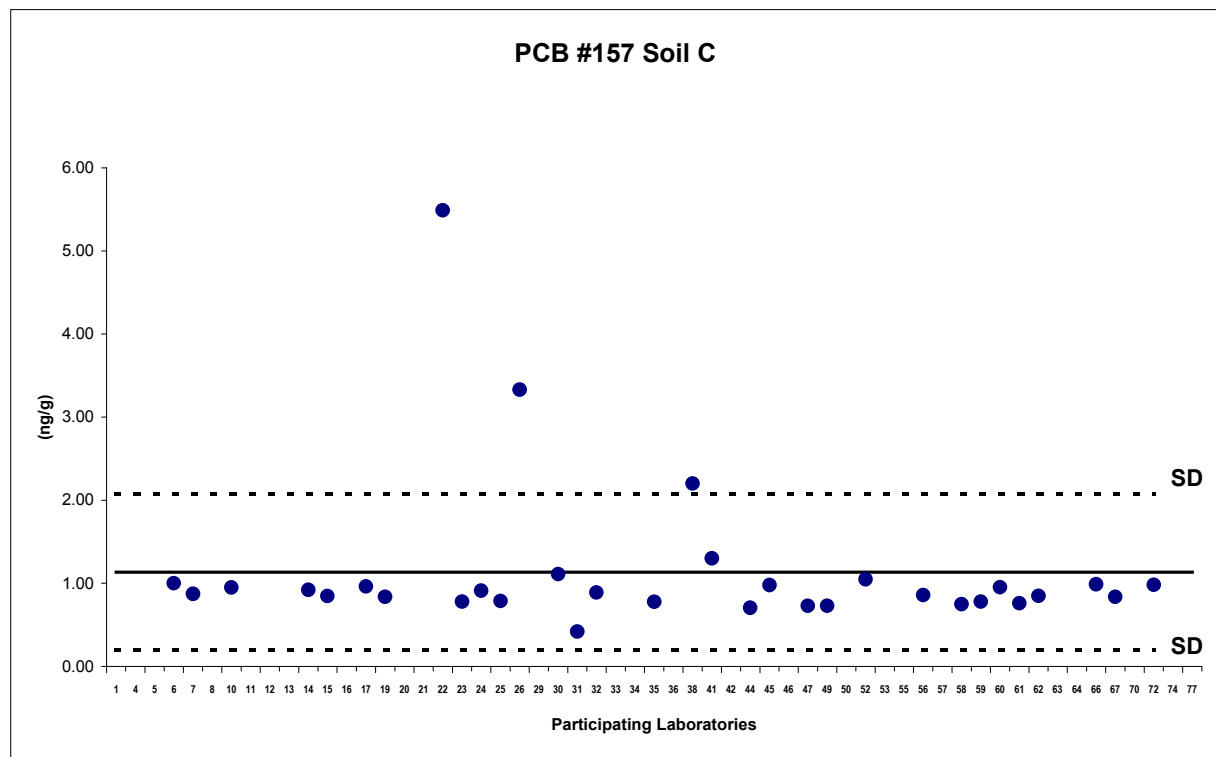
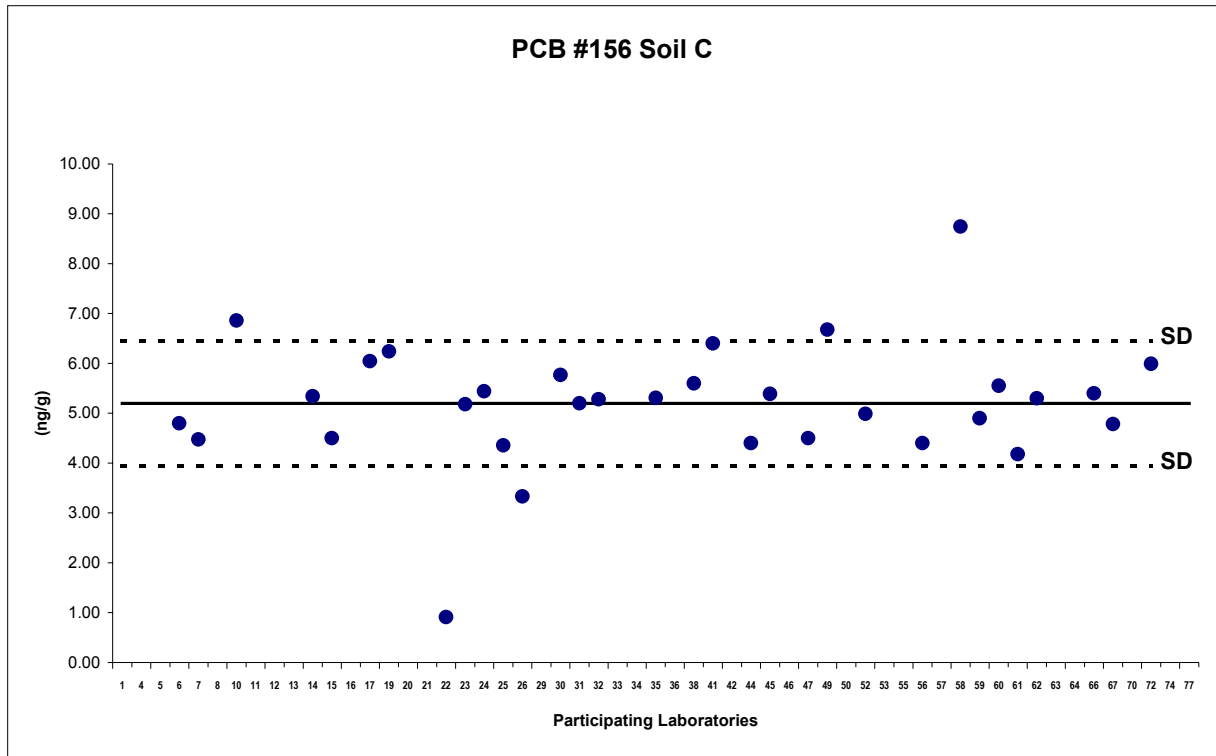


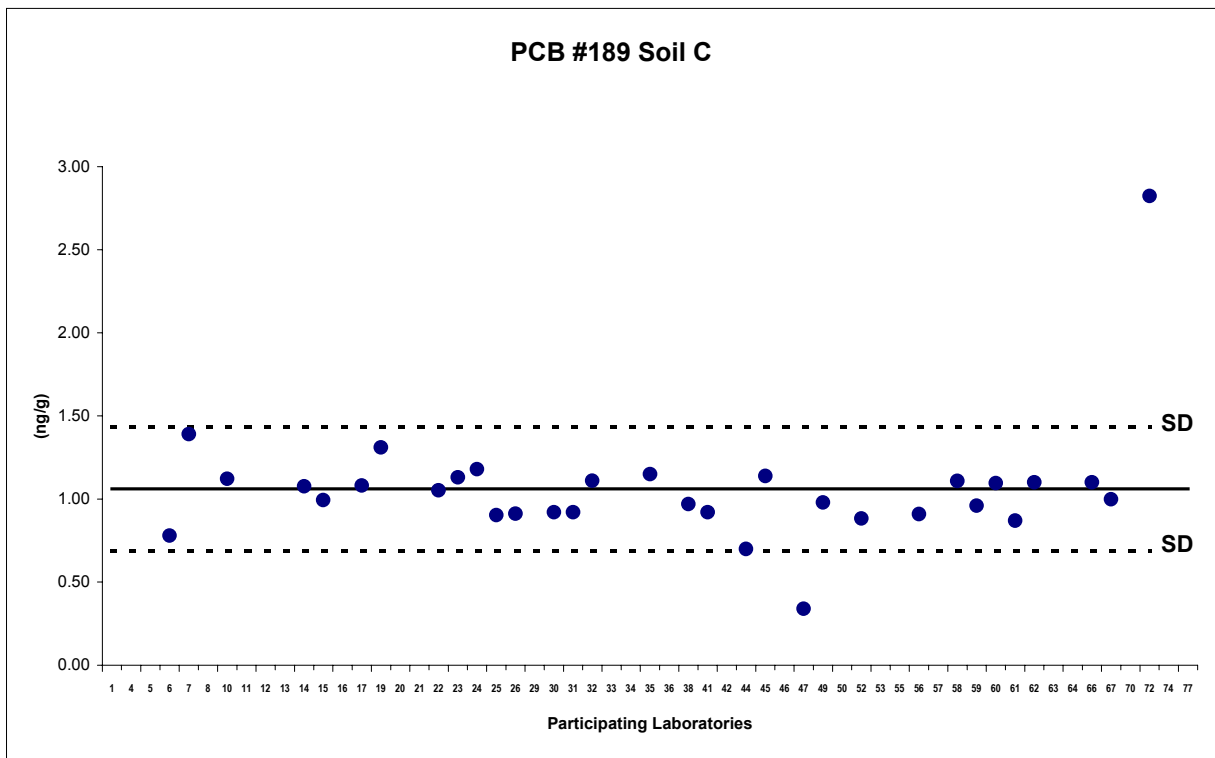
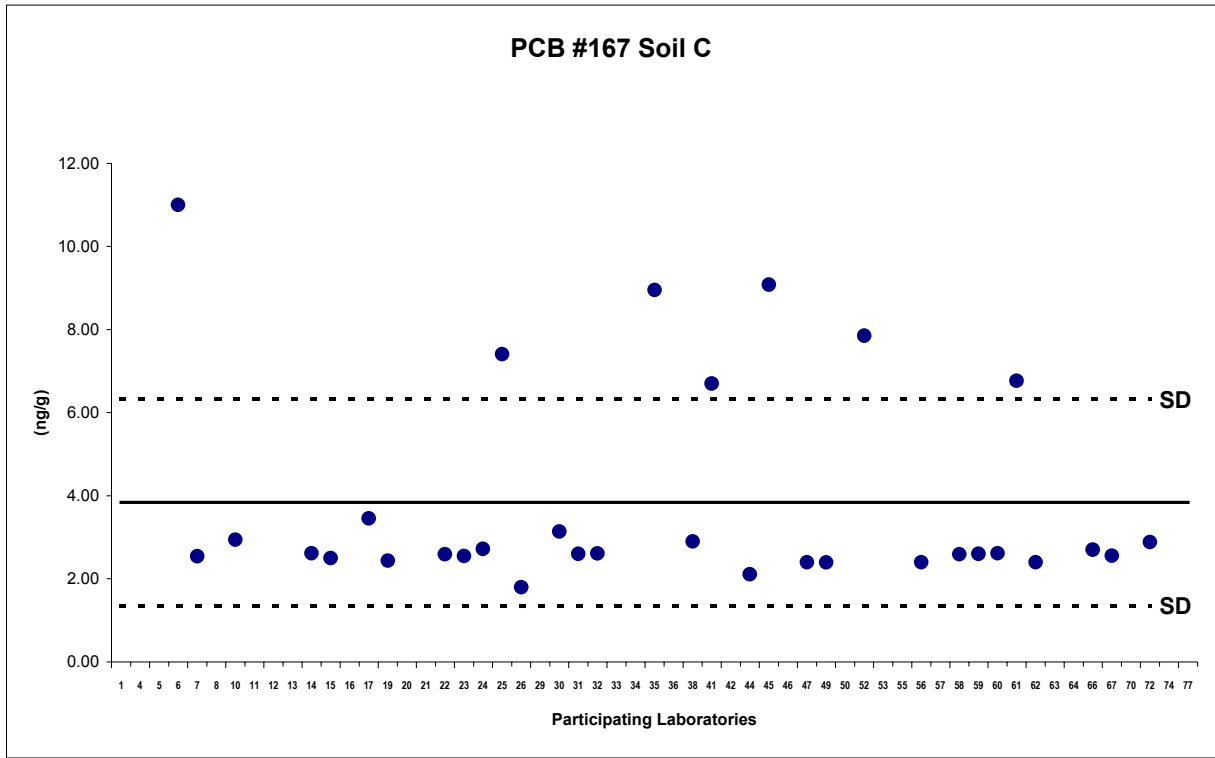












Participant code:	1	4	5	6	7	8	10	11	12	13	14	15	16
Weight Analysed:	6.00	10.00	1.00	14.33	4.18	5.00	NA	SETOC	10.06	2.00	4.88	5.00	
2,3,7,8-TeCDD	0.124	0.107	0.190	0.181	0.121	0.128	0.140	0.124	0.104	0.124	0.122	0.149	
1,2,3,7,8-PeCDD	0.021	0.023	0.020	0.026	ND	0.021	0.021	0.046	0.015	0.046	0.021	0.018	
1,2,3,4,7,8-HxCDD	0.024	0.019	0.018	0.023	0.021	0.022	0.022	0.031	0.011	0.031	0.023	0.017	
1,2,3,6,7,8-HxCDD	0.070	0.060	0.053	0.075	0.070	0.092	0.066	0.079	0.036	0.079	0.123	0.084	
1,2,3,7,8,9-HxCDD	0.040	0.033	0.034	0.040	0.047	0.044	0.054	0.046	0.021	0.046	0.056	0.080	
1,2,3,4,6,7,8-HpCDD	0.56	0.56	0.40	0.72	0.47	1.01	0.44	0.45	0.49	0.45	0.70	0.62	
OCDD	3.63	4.00	2.40	4.54	3.24	5.01	2.80	2.90	2.69	2.90	3.24	1.54	
2,3,7,8-TeCDF	0.048	0.044	0.024	0.078	0.058	0.042	0.088	0.039	0.082	0.039	0.039	0.065	
1,2,3,7,8-PeCDF	0.041	0.031	0.025	0.055	0.028	0.041	0.032	0.044	0.026	0.044	0.084	0.038	
2,3,4,7,8-PeCDF	0.077	0.059	0.030	0.071	0.034	0.082	0.051	0.072	0.039	0.072	0.044	0.033	
1,2,3,4,7,8-HxCDF	0.491	0.453	0.310	0.662	0.426	0.499	0.456	0.410	0.445	0.410	0.452	0.195	
1,2,3,6,7,8-HxCDF	0.105	0.080	0.082	0.137	0.098	0.131	0.085	0.090	0.265	0.090	0.110	0.079	
1,2,3,7,8,9-HxCDF	0.041	0.029	0.041	0.006	0.020	0.004	0.008	0.012	0.022	0.012	0.005	0.003	
2,3,4,6,7,8-HxCDF	0.060	0.041	0.003	0.046	ND	0.044	0.033	0.041	0.025	0.041	0.036	0.036	
1,2,3,4,6,7,8-HpCDF	2.42	2.87	2.10	2.76	1.91	2.74	1.77	1.87	1.89	1.87	1.95	2.32	
1,2,3,4,7,8,9-HpCDF	0.12	0.09	0.08	0.16	0.13	0.11	0.10	0.10	0.08	0.10	0.12	0.10	
OCDF	4.13	5.70	2.60	5.33	4.12	5.98	4.15	3.78	3.83	3.78	3.98	1.36	
<b>TEQ (PCDD/DF)</b>	<b>0.31</b>	<b>0.27</b>	<b>0.20</b>	<b>0.39</b>	<b>0.25</b>	<b>0.32</b>	<b>0.29</b>	<b>0.31</b>	<b>0.26</b>	<b>0.31</b>	<b>0.28</b>	<b>0.27</b>	
PCB #77	NA	NA	2.30	4.77	NA	3.32	NA	2.49	NA	2.49	2.65	NA	
PCB #126	NA	NA	0.10	0.21	NA	0.11	NA	0.12	NA	0.12	0.11	NA	
PCB #169	NA	NA	<0.03	0.042	NA	0.016	NA	0.017	NA	0.017	0.008	NA	
<b>TEQ (including PCBs)</b>	<b>NA</b>	<b>NA</b>	<b>0.21</b>	<b>0.41</b>	<b>NA</b>	<b>0.33</b>	<b>NA</b>	<b>0.32</b>	<b>NA</b>	<b>0.32</b>	<b>0.29</b>	<b>NA</b>	
Other PCBs (Optional)													
PCB #81	NA	NA	0.34	0.08	NA	0.06	NA	0.09	NA	0.09	0.07	NA	
PCB #105	NA	NA	5.5	8.9	NA	6.9	NA	6.0	NA	6.0	6.5	NA	
PCB #114	NA	NA	0.26	0.35	NA	0.54	NA	0.26	NA	0.26	0.21	NA	
PCB #118	NA	NA	13.0	18.2	NA	17.5	NA	13.4	NA	13.4	13.9	NA	
PCB #123	NA	NA	1.2	0.7	NA	0.2	NA	0.7	NA	0.7	0.4	NA	
PCB #156	NA	NA	1.0	1.6	NA	1.1	NA	1.2	NA	1.2	1.1	NA	
PCB #157	NA	NA	0.3	0.6	NA	0.4	NA	0.3	NA	0.3	0.3	NA	
PCB #167	NA	NA	2.9	0.8	NA	0.6	NA	0.6	NA	0.6	1.1	NA	
PCB #189	NA	NA	0.2	0.4	NA	0.2	NA	0.2	NA	0.2	0.2	NA	
<b>TEQ Total</b>	<b>NA</b>	<b>NA</b>	<b>0.22</b>	<b>0.41</b>	<b>NA</b>	<b>0.33</b>	<b>NA</b>	<b>0.34</b>	<b>NA</b>	<b>0.34</b>	<b>0.30</b>	<b>NA</b>	
* all values in ng/g													
ND: not detected < than value expected													
NA: not analyzed													
Soil D1													

Participant code:	17	19	20	21	22	23	24	25	26	29	30	31	32
Weight Analysed:	NA	NA	NA	NA	6.76	3.00	6.71	5.36	1.69	2.50	5.00	6.10	10.02
2,3,7,8-TeCDD	NA	0.087	0.117	0.126	0.155	0.133	0.109	0.114	0.157	0.156	0.130	0.136	
1,2,3,7,8-PeCDD	NA	0.019	0.020	0.019	0.017	0.020	0.020	0.020	0.021	0.017	0.011	0.020	
1,2,3,4,7,8-HxCDD	NA	0.026	0.018	0.020	0.023	0.020	0.017	0.020	0.020	0.023	0.027	0.024	
1,2,3,6,7,8-HxCDD	NA	0.058	0.052	0.068	0.063	0.071	0.061	0.064	0.064	0.064	0.072	0.066	
1,2,3,7,8,9-HxCDD	NA	0.037	0.039	0.034	0.037	0.040	0.027	0.035	0.035	0.040	0.039	0.048	
1,2,3,4,6,7,8-HpCDD	NA	0.40	0.53	0.54	0.45	0.59	0.42	0.50	0.50	0.50	0.57	0.53	
OCDD	NA	2.97	2.69	3.24	2.93	3.98	2.45	3.74	3.14	3.14	3.17	3.10	
2,3,7,8-TeCDF	NA	0.050	0.049	0.070	0.033	0.052	0.045	0.046	0.054	0.050	0.050	0.046	
1,2,3,7,8-PeCDF	NA	0.037	0.037	0.092	0.037	0.039	0.026	0.038	0.044	0.037	0.040	0.039	
2,3,4,7,8-PeCDF	NA	0.063	0.049	0.047	0.067	0.076	0.048	0.064	0.069	0.054	0.061	0.069	
1,2,3,4,7,8-HxCDF	NA	0.405	0.498	0.384	0.368	0.449	0.422	0.388	0.451	0.459	0.580	0.432	
1,2,3,6,7,8-HxCDF	NA	0.090	0.096	0.102	0.117	0.113	0.084	0.096	0.106	0.089	0.120	0.082	
1,2,3,7,8,9-HxCDF	NA	0.033	0.006	0.034	0.027	0.023	0.027	0.035	0.005	0.005	0.005	0.004	
2,3,4,6,7,8-HxCDF	NA	0.045	0.053	0.000	0.065	0.062	0.005	0.092	0.044	0.034	0.034	0.036	
1,2,3,4,6,7,8-HpCDF	NA	1.66	1.70	2.21	2.15	2.15	1.61	2.29	2.13	1.83	2.10	1.51	
1,2,3,4,7,8,9-HpCDF	NA	0.07	0.10	0.10	0.10	0.13	0.08	0.10	0.11	0.067	0.11	0.11	
OCDF	NA	3.32	3.62	4.28	3.85	4.78	4.17	4.83	3.37	4.16	4.20	4.28	
<b>TEQ (PCDD/DF)</b>	<b>NA</b>	<b>0.24</b>	<b>0.27</b>	<b>0.27</b>	<b>0.31</b>	<b>0.31</b>	<b>0.24</b>	<b>0.28</b>	<b>0.31</b>	<b>0.31</b>	<b>0.30</b>	<b>0.30</b>	<b>0.30</b>
PCB #77	NA	2.73	NA	2.34	3.12	2.69	2.41	2.68	NA	NA	3.01	2.60	2.82
PCB #126	NA	0.13	NA	0.11	0.08	0.09	0.09	0.11	NA	NA	0.11	0.10	0.11
PCB #169	NA	0.012	NA	0.000	0.012	0.024	0.010	0.032	NA	NA	0.010	0.014	0.015
<b>TEQ (including PCBs)</b>	<b>NA</b>	<b>0.25</b>	<b>NA</b>	<b>0.28</b>	<b>0.32</b>	<b>0.32</b>	<b>0.25</b>	<b>0.29</b>	<b>NA</b>	<b>NA</b>	<b>0.31</b>	<b>0.31</b>	<b>0.31</b>
Other PCBs (Optional)													
PCB #81	NA	0.22	NA	0.06	0.08	0.05	0.06	0.07	NA	NA	0.19	0.06	0.07
PCB #105	NA	5.8	NA	6.0	6.3	6.0	4.7	7.0	NA	NA	6.8	6.1	6.5
PCB #114	NA	0.24	NA	0.29	0.62	0.30	0.23	0.33	NA	NA	0.30	0.31	0.30
PCB #118	NA	12.9	NA	13.7	12.9	13.7	9.6	14.9	NA	NA	16.6	14.0	15.2
PCB #123	NA	0.4	NA	1.8	1.9	0.4	0.4	0.5	NA	NA	0.1	0.7	0.5
PCB #156	NA	1.3	NA	1.3	1.2	1.1	2.3	0.9	NA	NA	1.3	1.3	1.2
PCB #157	NA	0.3	NA	0.4	0.5	0.3	0.3	0.9	NA	NA	0.3	0.2	0.4
PCB #167	NA	0.6	NA	0.6	0.6	0.6	2.4	0.7	NA	NA	0.7	2.5	0.7
PCB #189	NA	0.2	NA	0.2	0.2	0.2	0.2	0.2	NA	NA	0.2	0.2	0.2
<b>TEQ Total</b>	<b>NA</b>	<b>0.25</b>	<b>NA</b>	<b>0.28</b>	<b>0.32</b>	<b>0.32</b>	<b>0.26</b>	<b>0.29</b>	<b>NA</b>	<b>NA</b>	<b>0.31</b>	<b>0.32</b>	<b>0.31</b>

\* all values in ng/g  
ND: not detected < than value expected  
NA: not analyzed

Participant code:	33	34	35	36	38	41	42	44	45	46	47	49	50
Weight Analysed:	7.35	10.00	3.00	NA	2.00	3.02	4.00	4.00	1.03		10.00	5.00	6.00
2,3,7,8-TeCDD	0.089	0.066	0.113	0.120	0.120	0.138	0.124	0.124	0.144		0.120	0.142	0.118
1,2,3,7,8-PeCDD	0.021	0.005	0.017	0.021	0.028	<0.02	0.018	0.018	0.020		0.020	0.021	0.023
1,2,3,4,7,8-HxCDD	0.018	0.008	0.019	0.018	0.027	<0.05	0.017	0.017	0.017		0.020	0.022	0.026
1,2,3,6,7,8-HxCDD	0.048	0.034	0.053	0.064	0.064	<0.05	0.053	0.053	0.057		0.070	0.064	0.009
1,2,3,7,8,9-HxCDD	0.033	0.015	0.043	0.034	0.034	<0.05	0.036	0.036	0.038		0.050	0.036	0.030
1,2,3,4,6,7,8-HpCDD	0.42	0.26	0.49	0.48	0.49	0.57	0.47	0.47	0.49		0.60	0.48	0.44
OCDD	20.11	1.62	3.04	3.03	3.00	4.28	2.54	2.54	3.01		3.20	3.16	6.84
2,3,7,8-TeCDF	0.047	0.023	0.044	0.047	0.058	<0.24	0.043	0.043	0.045		0.050	0.046	0.147
1,2,3,7,8-PeCDF	0.022	0.040	0.037	0.034	0.093	0.040	0.032	0.032	0.033		0.030	0.041	0.101
2,3,4,7,8-PeCDF	0.053	0.024	0.055	0.062	0.065	<0.25	0.038	0.038	0.050		0.060	0.053	0.212
1,2,3,4,7,8-HxCDF	0.418	0.190	0.418	0.434	0.470	0.455	0.456	0.456	0.490		0.540	0.438	0.409
1,2,3,6,7,8-HxCDF	0.083	0.045	0.098	0.115	0.120	0.242	0.075	0.075	0.091		0.120	0.096	0.081
1,2,3,7,8,9-HxCDF	0.027	0.011	0.003	0.047	0.170	0.066	0.003	0.003	0.003		0.040	0.005	0.049
2,3,4,6,7,8-HxCDF	0.027	0.020	0.053	0.037	0.054	0.007	0.032	0.032	0.041		0.050	0.036	0.037
1,2,3,4,6,7,8-HpCDF	1.97	0.98	1.97	1.81	2.00	2.74	1.95	1.95	2.11		2.10	2.09	1.98
1,2,3,4,7,8,9-HpCDF	0.09	0.10	0.08	0.12	0.14	<0.09	0.07	0.07	0.10		0.13	0.11	0.10
OCDF	3.27	1.89	3.56	3.87	4.50	5.99	3.63	3.63	3.80		3.90	3.92	8.13
<b>TEQ (PCDD/DF)</b>	<b>0.24</b>	<b>0.13</b>	<b>0.26</b>	<b>0.28</b>	<b>0.31</b>	<b>0.28</b>	<b>0.26</b>	<b>0.26</b>	<b>0.30</b>		<b>0.29</b>	<b>0.29</b>	<b>0.35</b>
PCB #77	2.13	1.4	2.97	NA	2.00	3.08	2.57	2.57	2.98		1.90	1.70	NA
PCB #126	0.08	0.1	0.13	NA	0.10	0.17	0.10	0.10	0.17		0.10	0.08	NA
PCB #169	0.009	0.0	0.012	NA	0.014	0.101	0.013	0.013	0.014		<0.01	<0.01	NA
<b>TEQ (including PCBs)</b>	<b>0.24</b>	<b>0.14</b>	<b>0.26</b>	<b>NA</b>	<b>0.32</b>	<b>0.29</b>	<b>0.27</b>	<b>0.27</b>	<b>0.31</b>		<b>0.30</b>	<b>0.30</b>	<b>NA</b>
Other PCBs (Optional)													
PCB #81	NA	0.04	0.14	NA	0.07	0.30	0.06	0.06	0.26		0.23	0.08	NA
PCB #105	NA	NA	6.0	NA	6.4	7.5	6.3	6.3	5.6		4.5	5.3	NA
PCB #114	NA	NA	0.26	NA	0.32	0.64	0.24	0.24	0.24		4.60	0.27	NA
PCB #118	NA	NA	14.4	NA	14.0	16.6	10.5	10.5	11.8		13.9	13.5	NA
PCB #123	NA	NA	0.5	NA	0.5	<0.023	0.4	0.4	0.6		0.4	0.4	NA
PCB #156	NA	NA	1.3	NA	1.3	2.3	1.4	1.4	1.2		1.2	1.6	NA
PCB #157	NA	NA	0.3	NA	0.6	0.6	0.3	0.3	0.4		0.3	0.3	NA
PCB #167	NA	NA	2.8	NA	0.7	2.7	0.7	0.7	2.5		0.6	0.6	NA
PCB #189	NA	NA	0.2	NA	0.2	0.2	0.2	0.2	0.2		0.2	0.2	NA
<b>TEQ Total</b>	<b>NA</b>	<b>NA</b>	<b>0.27</b>	<b>NA</b>	<b>0.32</b>	<b>0.30</b>	<b>0.27</b>	<b>0.27</b>	<b>0.32</b>		<b>0.31</b>	<b>0.30</b>	<b>NA</b>

\* all values in ng/g  
ND: not detected < than value expected  
NA: not analyzed

Participant code:	52	53	54	55	56	57	58	59	60	61	62	63	64	66
Weight Analysed:	2.00	NA	7.28	2.00	6.10	1.68	5.71	5.00	6.78	5.06	6.49	5.69		
2,3,7,8-TeCDD	0.117	0.130	0.141	0.138	0.145	0.138	0.123	0.130	0.130	0.127	0.130	0.130	0.130	0.130
1,2,3,7,8-PeCDD	0.018	0.020	0.030	0.022	0.024	0.024	0.023	0.023	0.025	0.018	0.026	0.021	0.021	0.021
1,2,3,4,7,8-HxCDD	0.017	0.059	0.035	0.015	0.030	0.023	0.023	0.038	0.038	0.020	0.016	0.023	0.023	0.023
1,2,3,6,7,8-HxCDD	0.058	0.057	0.078	0.076	0.085	0.066	0.067	0.068	0.068	0.063	0.054	0.067	0.067	0.067
1,2,3,7,8,9-HxCDD	0.028	0.041	0.047	0.048	0.087	0.038	0.040	0.036	0.036	0.036	0.025	0.039	0.039	0.039
1,2,3,4,6,7,8-HpCDD	0.46	0.54	0.63	0.47	0.67	0.53	0.48	0.52	0.52	0.55	0.45	0.50	0.50	0.50
OCDD	2.70	3.20	3.73	3.18	3.35	3.20	3.01	3.60	3.60	3.34	2.78	3.10	3.10	3.10
2,3,7,8-TeCDF	0.057	0.051	0.046	0.042	0.046	0.042	0.039	0.054	0.054	0.048	0.065	0.044	0.044	0.044
1,2,3,7,8-PeCDF	0.040	0.074	0.045	0.039	0.041	0.033	0.032	0.084	0.084	0.036	0.013	0.053	0.053	0.053
2,3,4,7,8-PeCDF	0.045	0.034	0.078	0.045	0.050	0.046	0.047	0.062	0.062	0.068	0.037	0.046	0.046	0.046
1,2,3,4,7,8-HxCDF	0.495	0.380	0.459	0.410	0.495	0.451	0.386	0.460	0.460	0.460	0.411	0.430	0.430	0.430
1,2,3,6,7,8-HxCDF	0.111	0.091	0.128	0.107	0.120	0.103	0.120	0.140	0.140	0.100	0.101	0.110	0.110	0.110
1,2,3,7,8,9-HxCDF	0.140	0.100	0.071	0.009	0.005	0.003	0.075	0.059	0.059	0.052	0.024	0.005	0.005	0.005
2,3,4,6,7,8-HxCDF	0.038	0.031	0.060	0.028	0.058	0.042	0.070	0.047	0.047	0.035	0.004	0.040	0.040	0.040
1,2,3,4,6,7,8-HpCDF	1.76	1.90	2.22	2.27	2.65	2.13	2.01	2.00	2.00	2.15	1.03	2.00	2.00	2.00
1,2,3,4,7,8,9-HpCDF	0.20	0.11	0.14	0.14	0.10	0.10	0.11	0.11	0.11	0.11	0.05	0.11	0.11	0.11
OCDF	2.55	3.80	4.36	4.01	3.90	4.00	3.91	3.60	3.60	4.14	3.82	3.80	3.80	3.80
<b>TEQ (PCDD/DF)</b>	<b>0.28</b>	<b>1.06</b>	<b>0.33</b>	<b>0.29</b>	<b>0.32</b>	<b>0.29</b>	<b>0.28</b>	<b>0.31</b>	<b>0.29</b>	<b>0.29</b>	<b>0.26</b>	<b>0.28</b>	<b>0.28</b>	<b>0.28</b>
PCB #77	2.54	2.80	NA	3.17	2.90	2.69	2.44	2.70	2.70	NA	2.86	2.80	2.80	2.80
PCB #126	0.10	0.09	NA	0.10	0.11	0.10	0.10	0.09	0.09	NA	0.12	0.11	0.11	0.11
PCB #169	0.013	0.010	NA	0.017	0.018	0.014	0.017	ND	ND	NA	0.014	0.021	0.021	0.021
<b>TEQ (including PCBs)</b>	<b>0.29</b>	<b>1.08</b>	<b>0.29</b>	<b>0.30</b>	<b>0.33</b>	<b>0.30</b>	<b>0.29</b>	<b>0.32</b>	<b>0.32</b>	<b>NA</b>	<b>0.27</b>	<b>0.29</b>	<b>0.29</b>	<b>0.29</b>
Other PCBs (Optional)														
PCB #81	NA	0.08	NA	0.07	0.07	0.07	0.07	0.10	0.10	NA	NA	0.07	0.07	0.07
PCB #105	NA	5.4	NA	9.5	6.4	6.4	5.6	5.7	5.7	NA	NA	NA	NA	6.2
PCB #114	NA	0.30	NA	0.33	0.23	0.31	0.27	0.29	0.29	NA	NA	NA	NA	0.38
PCB #118	NA	12.0	NA	15.6	15.5	14.7	13.2	14.0	14.0	NA	NA	NA	NA	15.0
PCB #123	NA	0.5	NA	0.4	0.4	0.5	0.4	0.5	0.5	NA	NA	NA	NA	0.4
PCB #156	NA	1.2	NA	1.8	1.4	1.2	1.0	1.2	1.2	NA	NA	NA	NA	1.2
PCB #157	NA	0.4	NA	0.3	0.4	0.4	0.3	0.4	0.4	NA	NA	NA	NA	0.4
PCB #167	NA	1.5	NA	0.6	0.8	0.6	0.6	0.6	0.6	NA	NA	NA	NA	0.6
PCB #189	NA	0.2	NA	0.2	0.2	0.2	0.2	0.2	0.2	NA	NA	NA	NA	0.3
<b>TEQ Total</b>	<b>NA</b>	<b>1.08</b>	<b>0.29</b>	<b>0.30</b>	<b>0.34</b>	<b>0.31</b>	<b>0.29</b>	<b>0.32</b>	<b>0.32</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>0.29</b>

\* all values in ng/g  
ND: not detected < than value expected  
NA: not analyzed

Participant code:	67	70	72	74	77
Weight Analysed:	5.00	NA	6.65		4.08
2,3,7,8-TeCDD	0.131	0.11	0.134		0.149
1,2,3,7,8-PeCDD	0.020	0.02	0.023		0.023
1,2,3,4,7,8-HxCDD	0.018	0.02	0.019		0.014
1,2,3,6,7,8-HxCDD	0.055	0.05	0.071		0.052
1,2,3,7,8,9-HxCDD	0.033	0.03	0.042		0.041
1,2,3,4,6,7,8-HpCDD	0.49	0.34	0.58		0.49
OCDD	3.24	2.01	3.76		2.52
2,3,7,8-TeCDF	0.039	0.04	0.052		0.045
1,2,3,7,8-PeCDF	0.034	0.03	0.038		0.032
2,3,4,7,8-PeCDF	0.042	0.03	0.051		0.051
1,2,3,4,7,8-HxCDF	0.399	0.34	0.423		0.379
1,2,3,6,7,8-HxCDF	0.077	0.08	0.097		0.104
1,2,3,7,8,9-HxCDF	0.006	0.00	0.004		0.040
2,3,4,6,7,8-HxCDF	0.033	0.04	0.037		0.031
1,2,3,4,6,7,8-HpCDF	1.67	1.48	2.42		1.80
1,2,3,4,7,8,9-HpCDF	0.09	0.10	0.14		0.10
OCDF	3.75	3.99	4.07		3.50
<b>TEQ (PCDD/DF)</b>	<b>0.26</b>	<b>0.23</b>	<b>0.29</b>		<b>0.29</b>
PCB #77	2.34	NA	2.25		NA
PCB #126	0.10	NA	0.14		NA
PCB #169	<0.01	NA	0.019		NA
<b>TEQ (including PCBs)</b>	<b>0.27</b>	<b>NA</b>	<b>0.31</b>		<b>NA</b>
Other PCBs (Optional)					
PCB #81	0.19	NA	0.02		NA
PCB #105	6.9	NA	5.9		NA
PCB #114	0.41	NA	0.31		NA
PCB #118	14.5	NA	11.6		NA
PCB #123	0.4	NA	0.6		NA
PCB #156	1.2	NA	0.1		NA
PCB #157	0.3	NA	0.3		NA
PCB #167	0.6	NA	0.7		NA
PCB #189	0.2	NA	0.4		NA
<b>TEQ Total</b>	<b>0.28</b>	<b>NA</b>	<b>0.31</b>		<b>NA</b>
* all values in ng/g					
ND: not detected < than value expected      Soil D5					
NA: not analyzed					

Participant code:						
Weight Analysed:						
	Average	Median	Min	Max	SD	%RSD
2,3,7,8-TeCDD	0.129	0.129	0.066	0.190	0.021	16%
1,2,3,7,8-PeCDD	0.021	0.021	0.005	0.046	0.005	26%
1,2,3,4,7,8-HxCDD	0.022	0.020	0.008	0.059	0.008	36%
1,2,3,6,7,8-HxCDD	0.063	0.064	0.009	0.123	0.016	26%
1,2,3,7,8,9-HxCDD	0.040	0.038	0.015	0.087	0.012	31%
1,2,3,4,6,7,8-HpCDD	0.52	0.49	0.26	1.01	0.11	21%
OCDD	3.56	3.15	1.54	20.11	2.58	72%
2,3,7,8-TeCDF	0.049	0.046	0.023	0.088	0.012	26%
1,2,3,7,8-PeCDF	0.042	0.038	0.013	0.101	0.019	45%
2,3,4,7,8-PeCDF	0.057	0.051	0.024	0.212	0.027	48%
1,2,3,4,7,8-HxCDF	0.432	0.436	0.190	0.662	0.077	18%
1,2,3,6,7,8-HxCDF	0.107	0.101	0.045	0.265	0.036	34%
1,2,3,7,8,9-HxCDF	0.030	0.023	0.003	0.170	0.035	116%
2,3,4,6,7,8-HxCDF	0.039	0.038	0.000	0.092	0.018	46%
1,2,3,4,6,7,8-HpCDF	2.02	2.00	0.98	2.87	0.38	19%
1,2,3,4,7,8,9-HpCDF	0.11	0.10	0.054	0.20	0.02	23%
OCDF	4.03	3.91	1.359	8.13	1.03	26%
<b>TEQ (PCDD/DF)</b>	<b>0.30</b>	<b>0.29</b>	<b>0.13</b>	<b>1.06</b>	<b>0.12</b>	<b>39%</b>
PCB #77	2.65	2.68	1.39	4.77	0.56	21%
PCB #126	0.11	0.10	0.06	0.21	0.03	26%
PCB #169	0.018	0.014	0.000	0.101	0.018	98%
<b>TEQ (including PCBs)</b>	<b>0.31</b>	<b>0.30</b>	<b>0.14</b>	<b>1.08</b>	<b>0.14</b>	<b>45%</b>
Other PCBs (Optional)						
PCB #81	0.11	0.07	0.02	0.34	0.08	74%
PCB #105	6.3	6.2	4.5	9.5	1.03	16%
PCB #114	0.46	0.30	0.21	4.60	0.79	170%
PCB #118	14.0	14.0	9.6	18.2	1.89	14%
PCB #123	0.6	0.5	0.1	1.9	0.40	70%
PCB #156	1.3	1.2	0.1	2.3	0.38	30%
PCB #157	0.4	0.3	0.2	0.9	0.14	36%
PCB #167	1.1	0.7	0.6	2.9	0.82	75%
PCB #189	0.2	0.2	0.2	0.4	0.06	26%
<b>TEQ Total</b>	<b>0.33</b>	<b>0.31</b>	<b>0.22</b>	<b>1.08</b>	<b>0.14</b>	<b>44%</b>

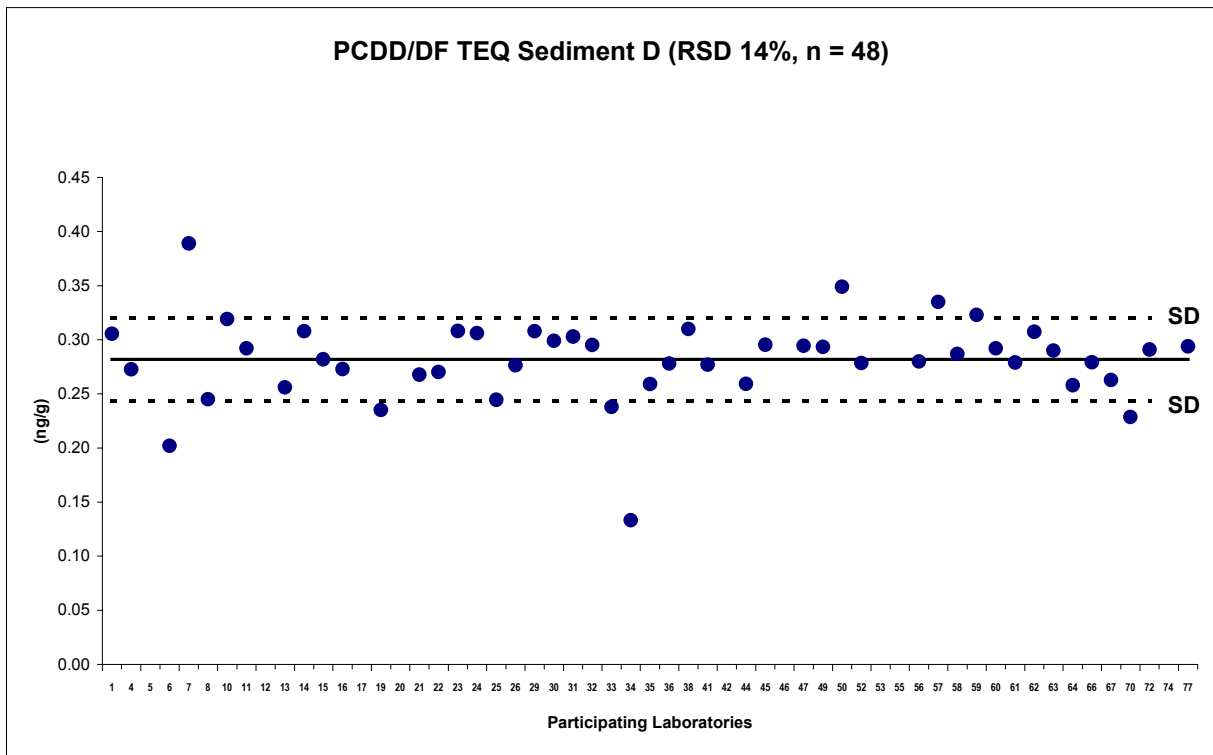
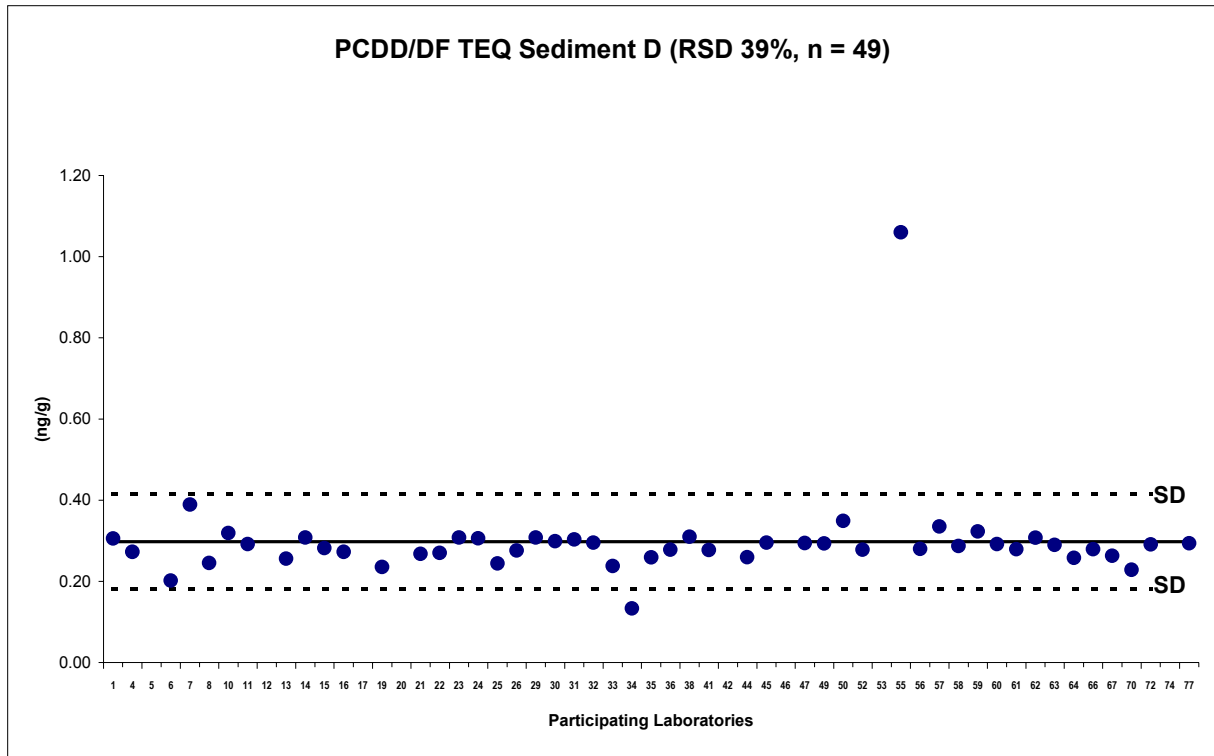
\* all values in ng/g

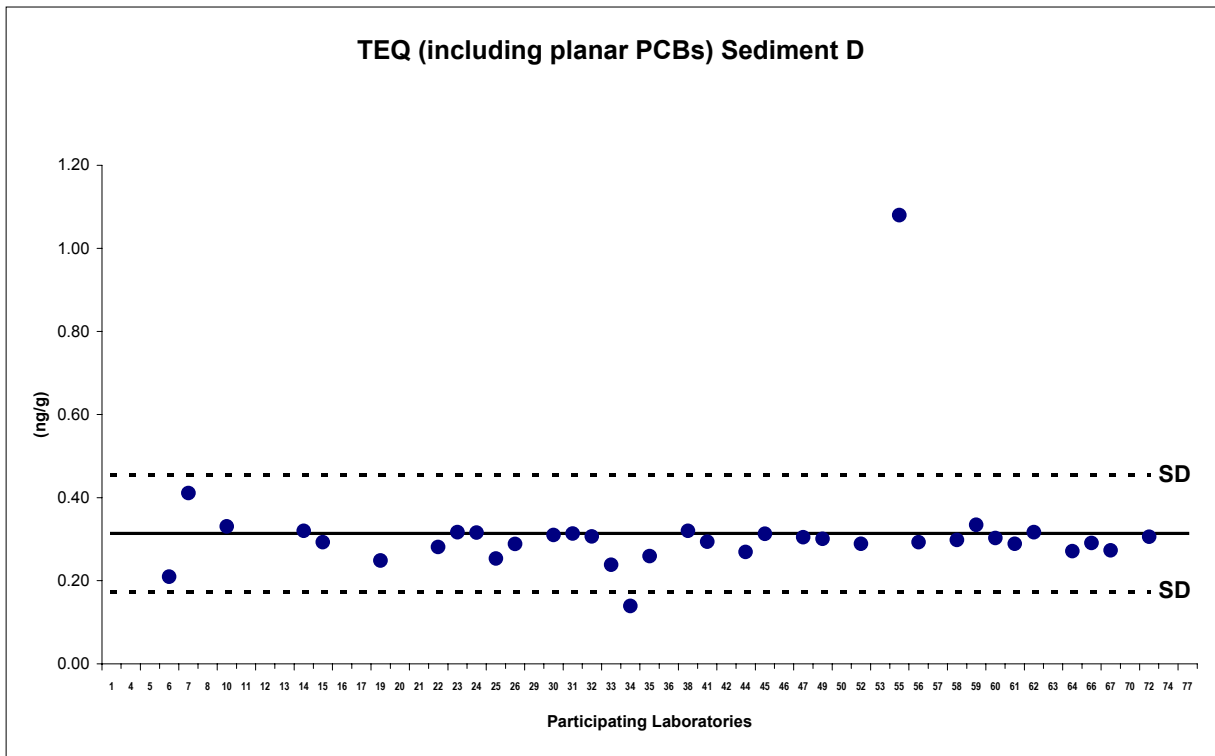
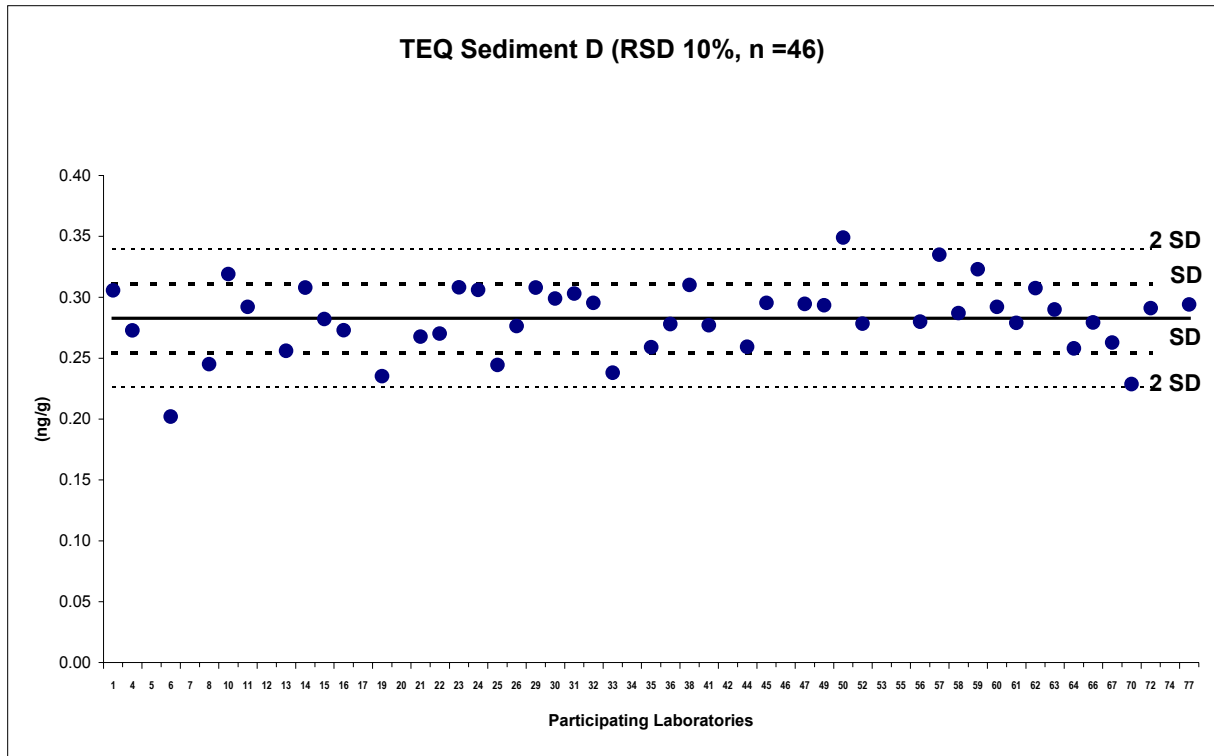
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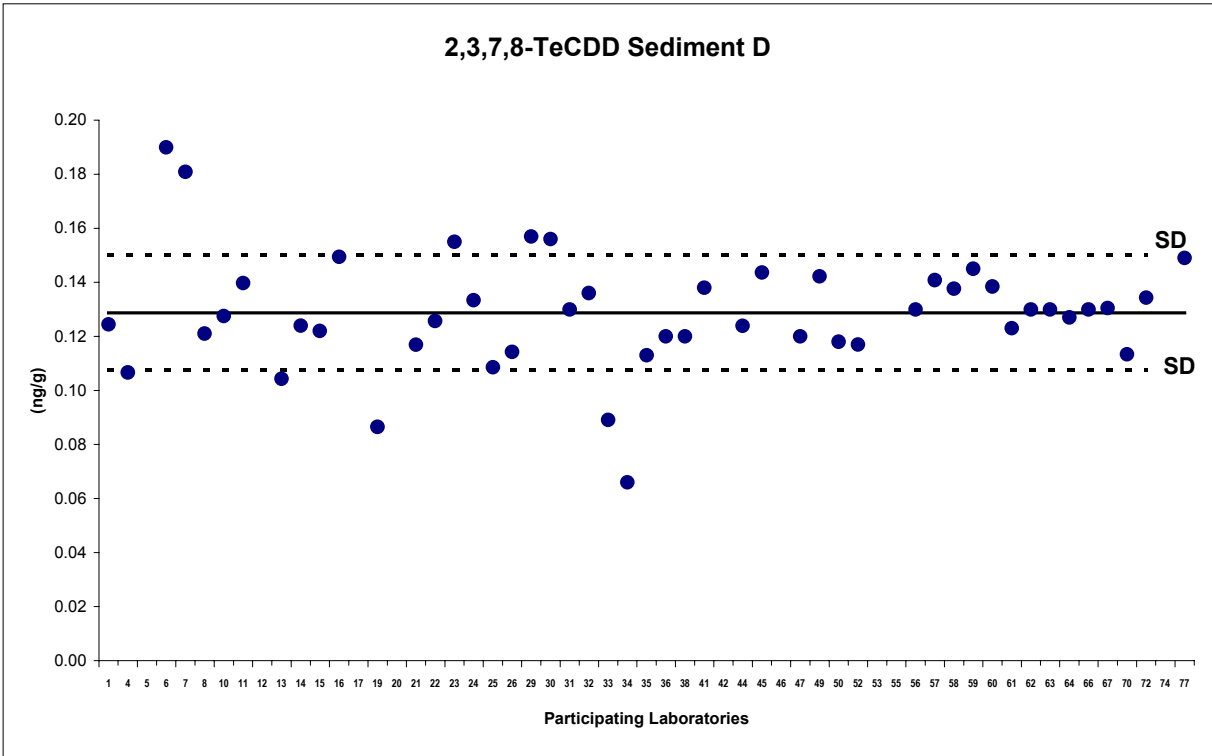
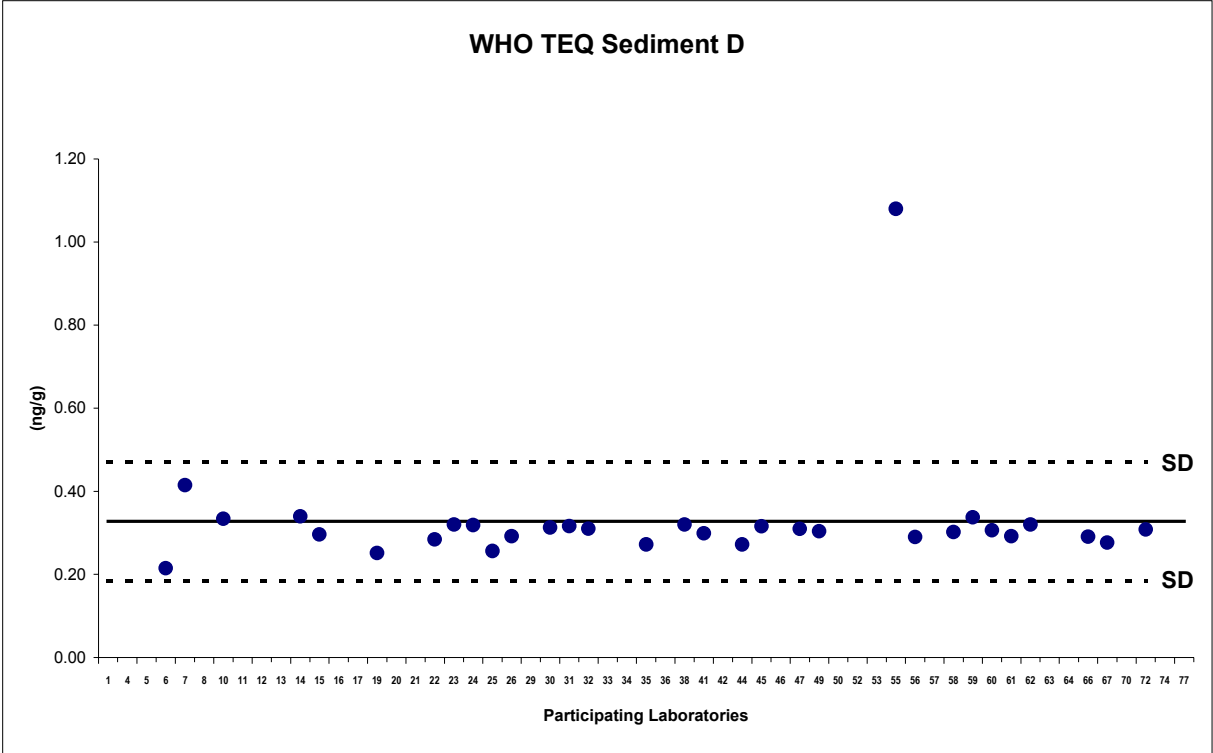
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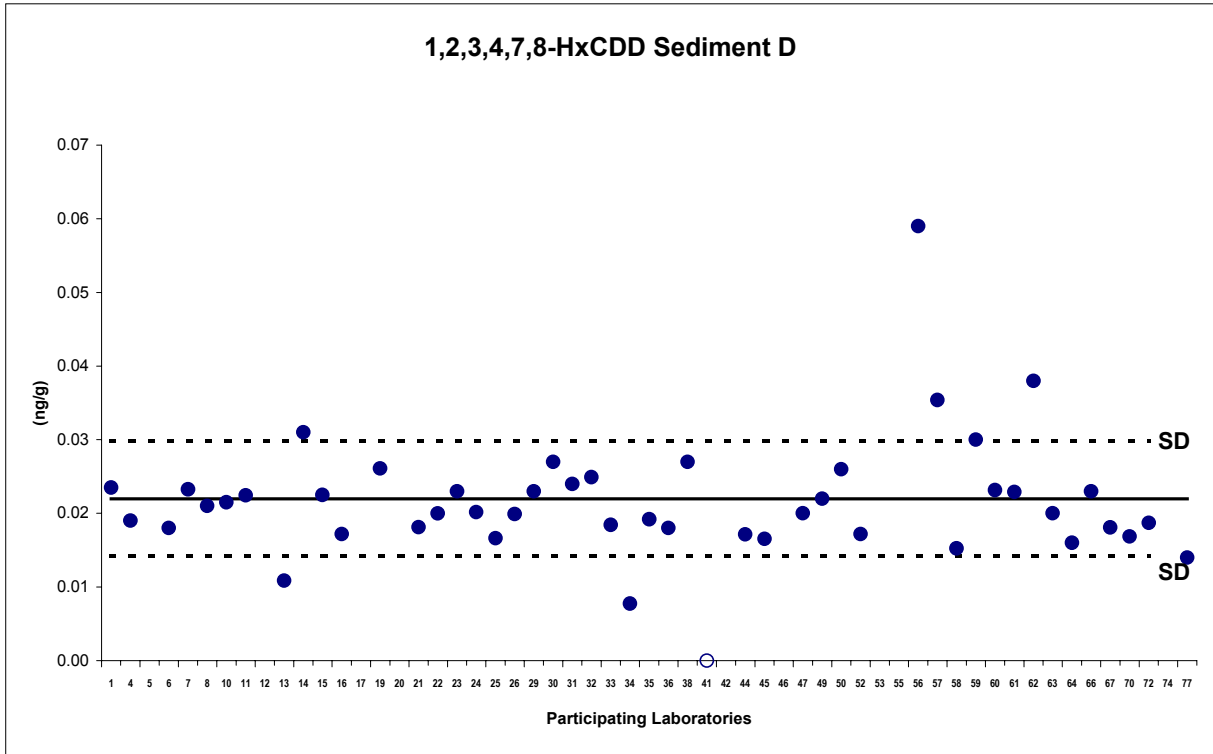
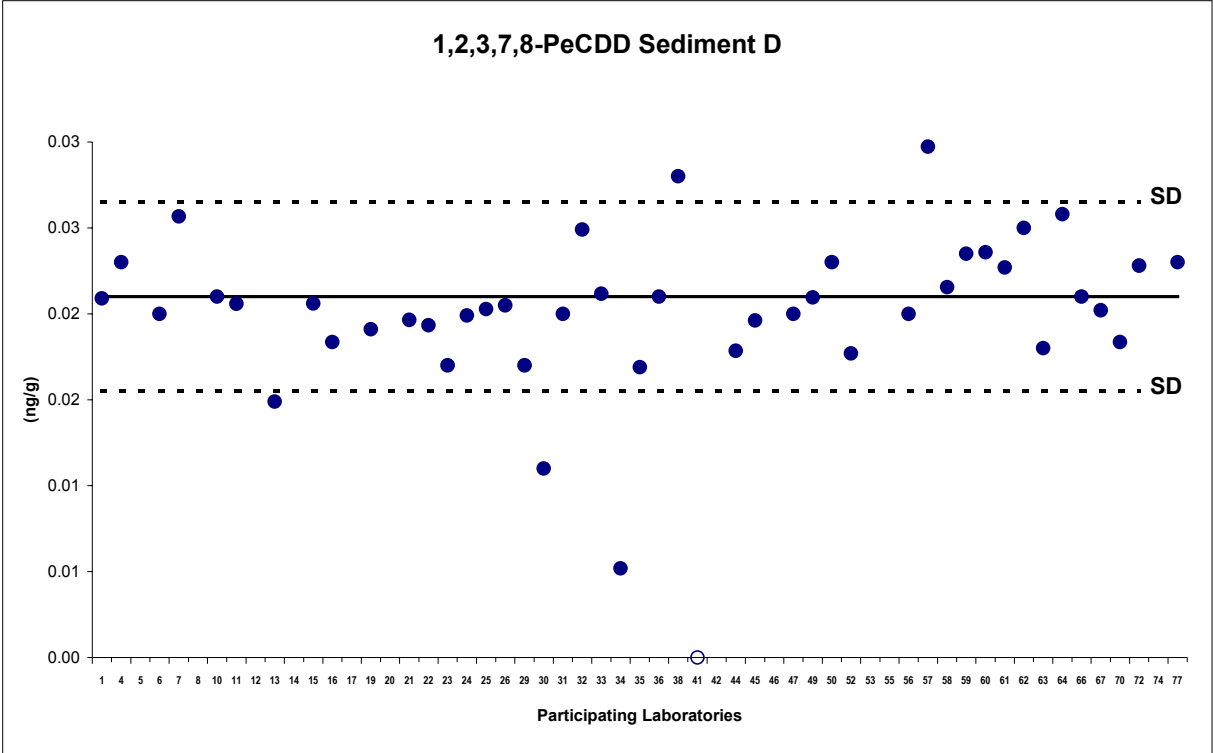
Soil D6

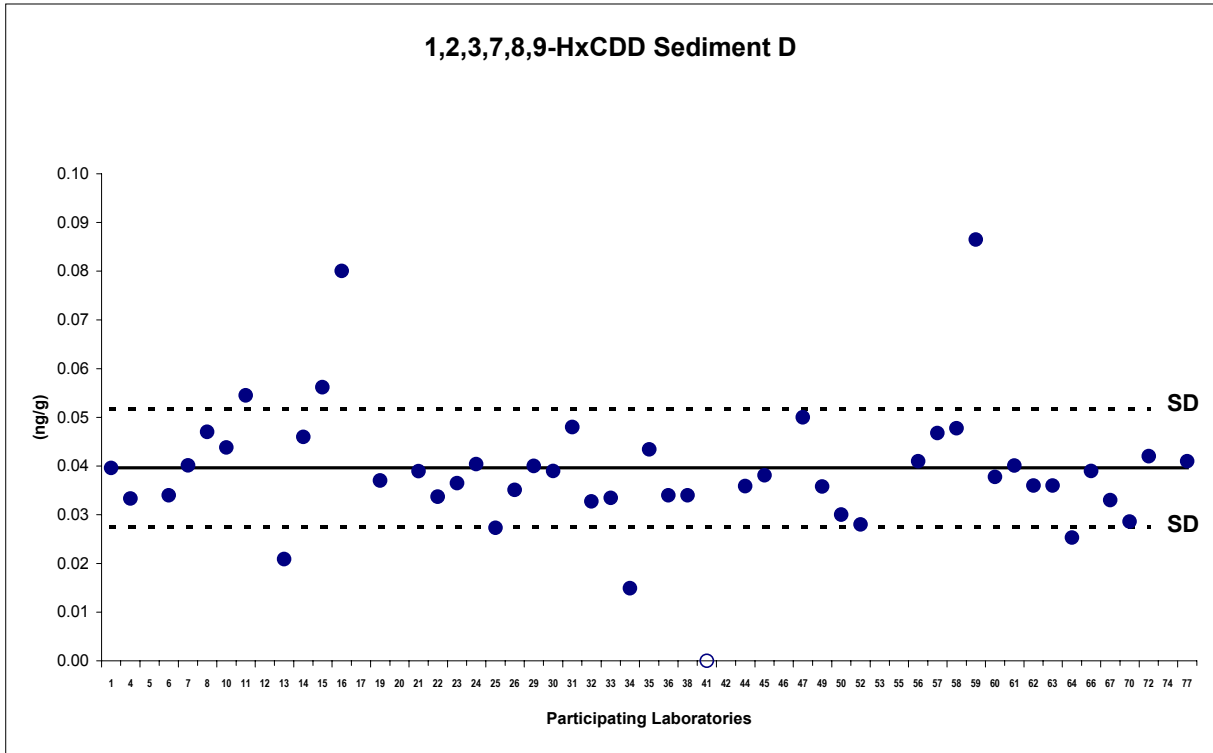
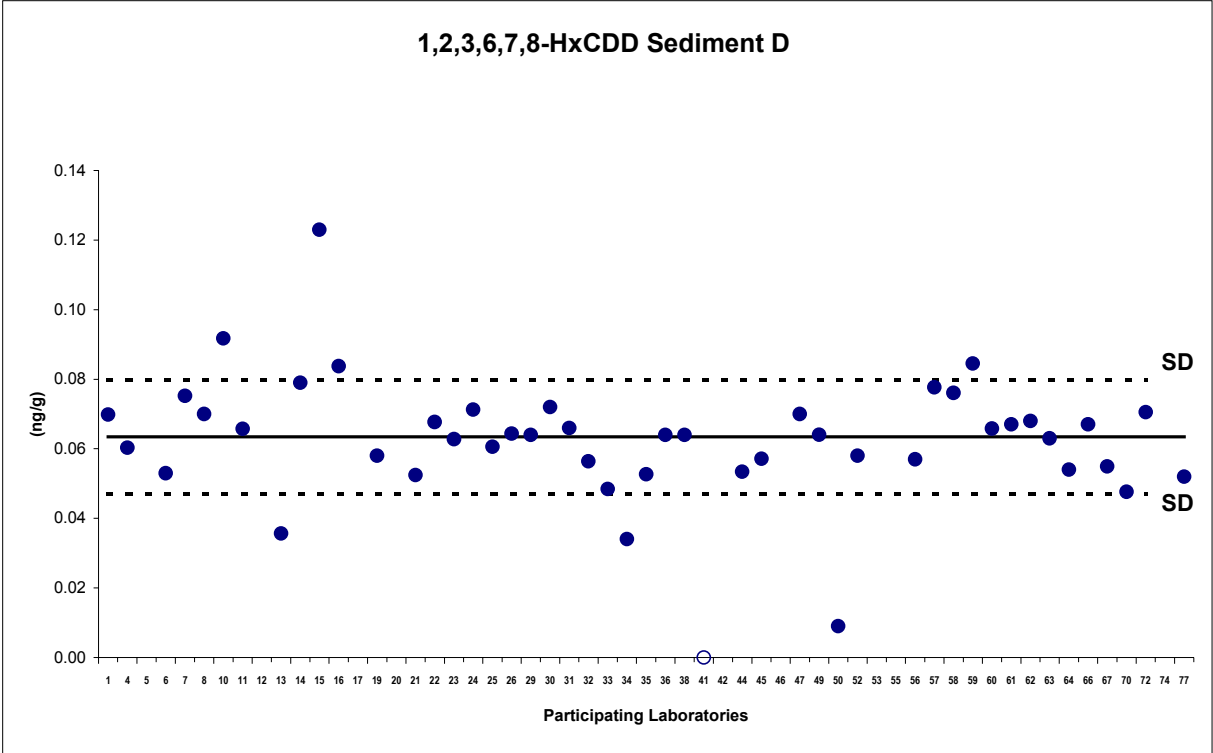


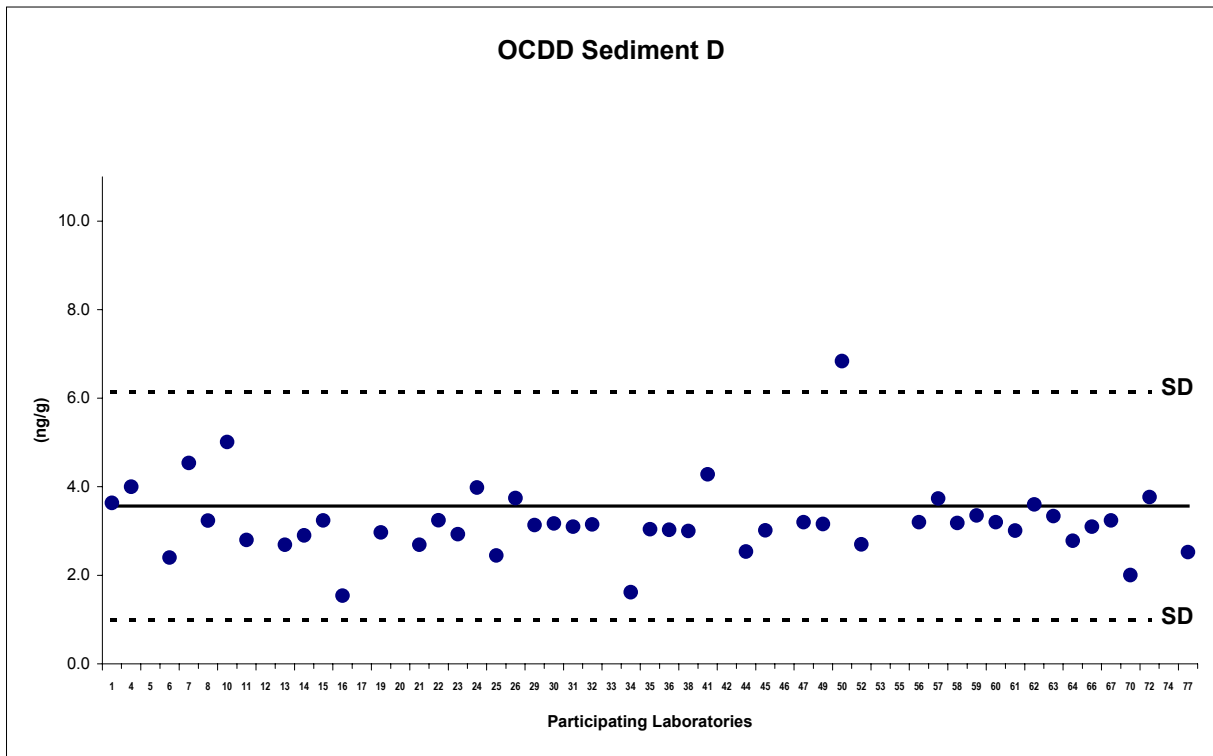
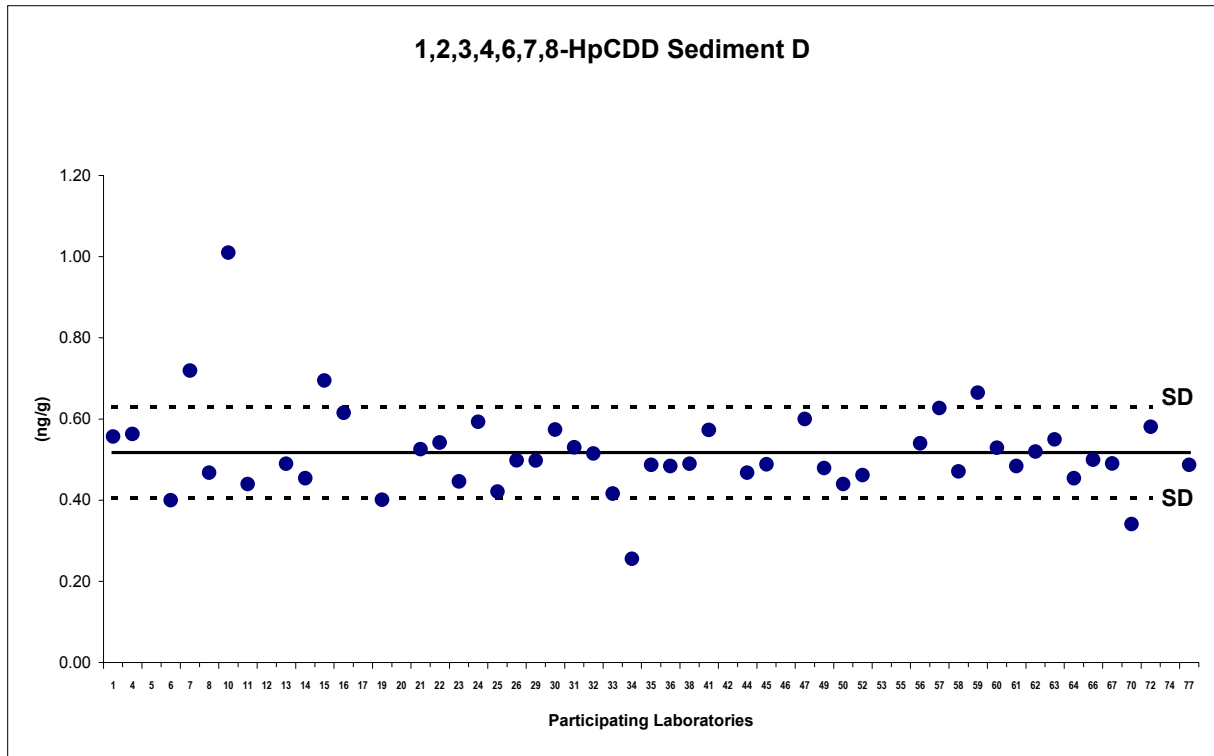


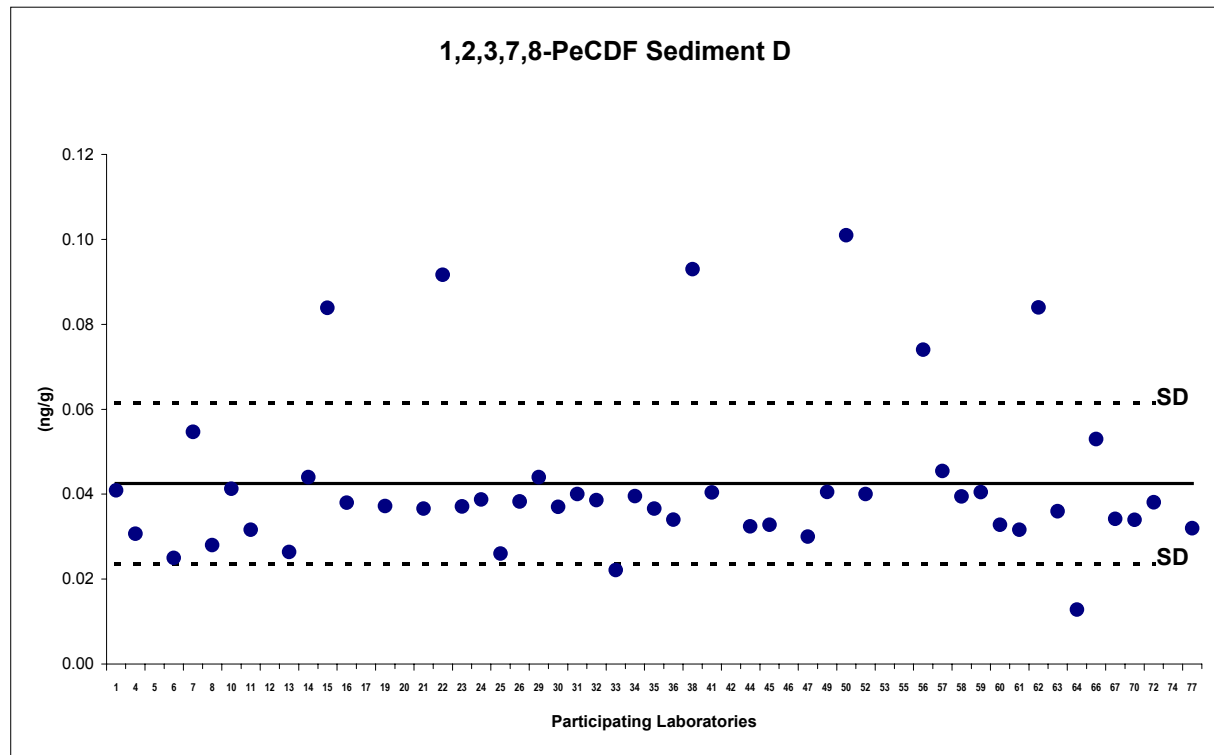
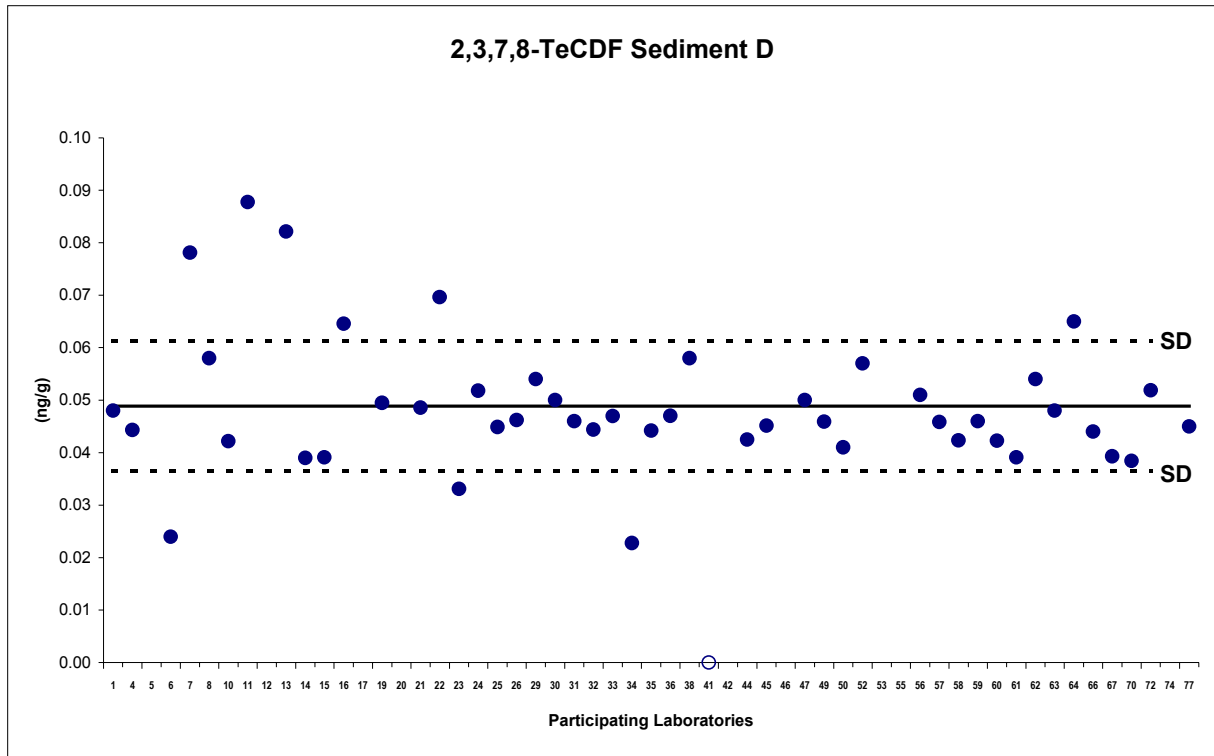


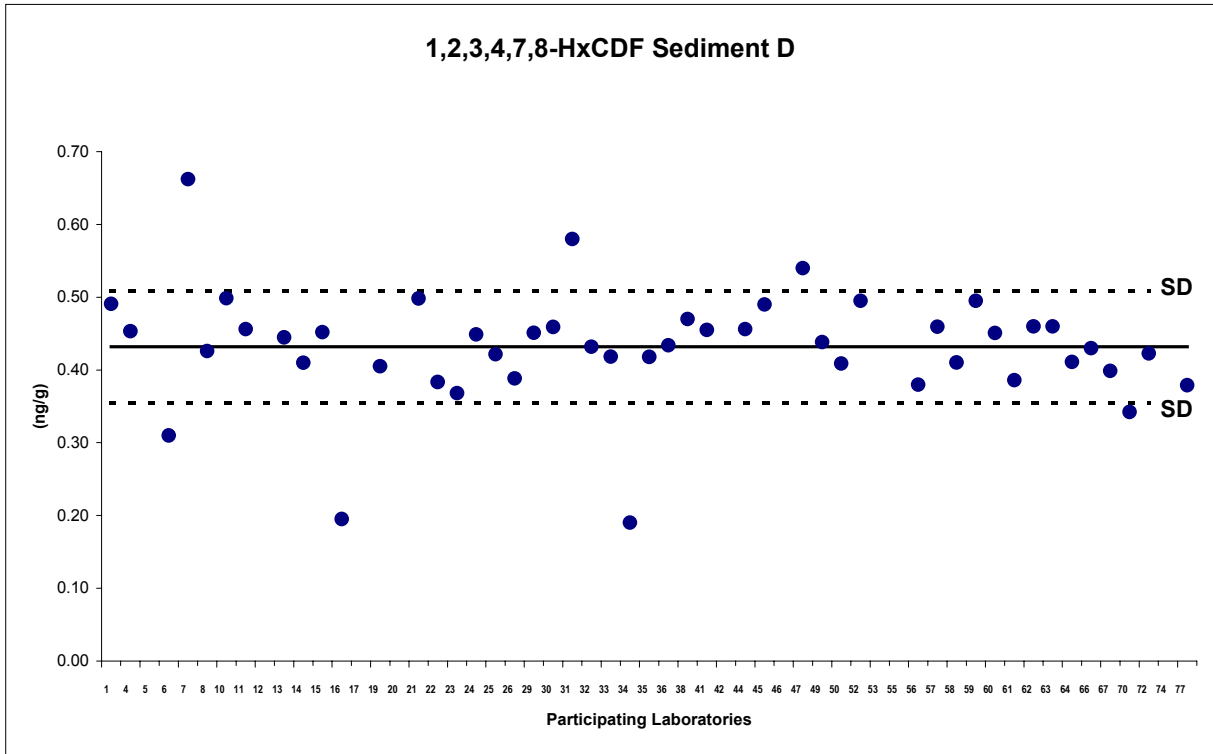
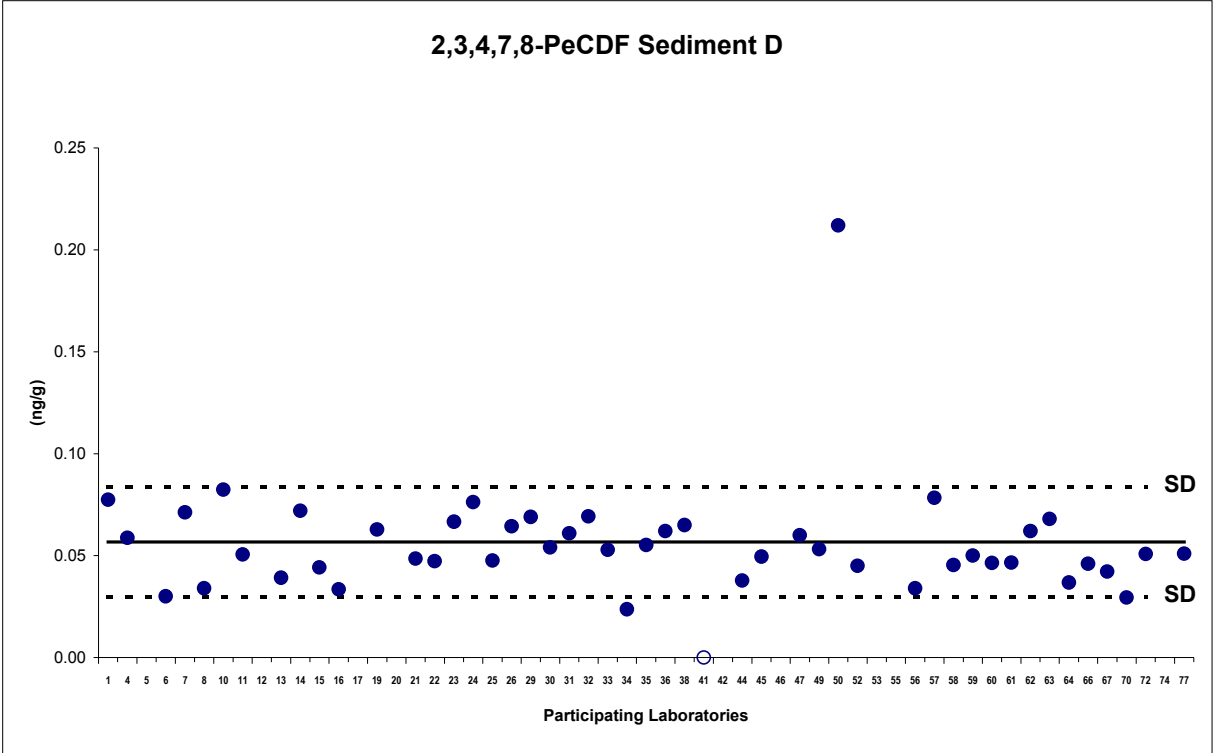




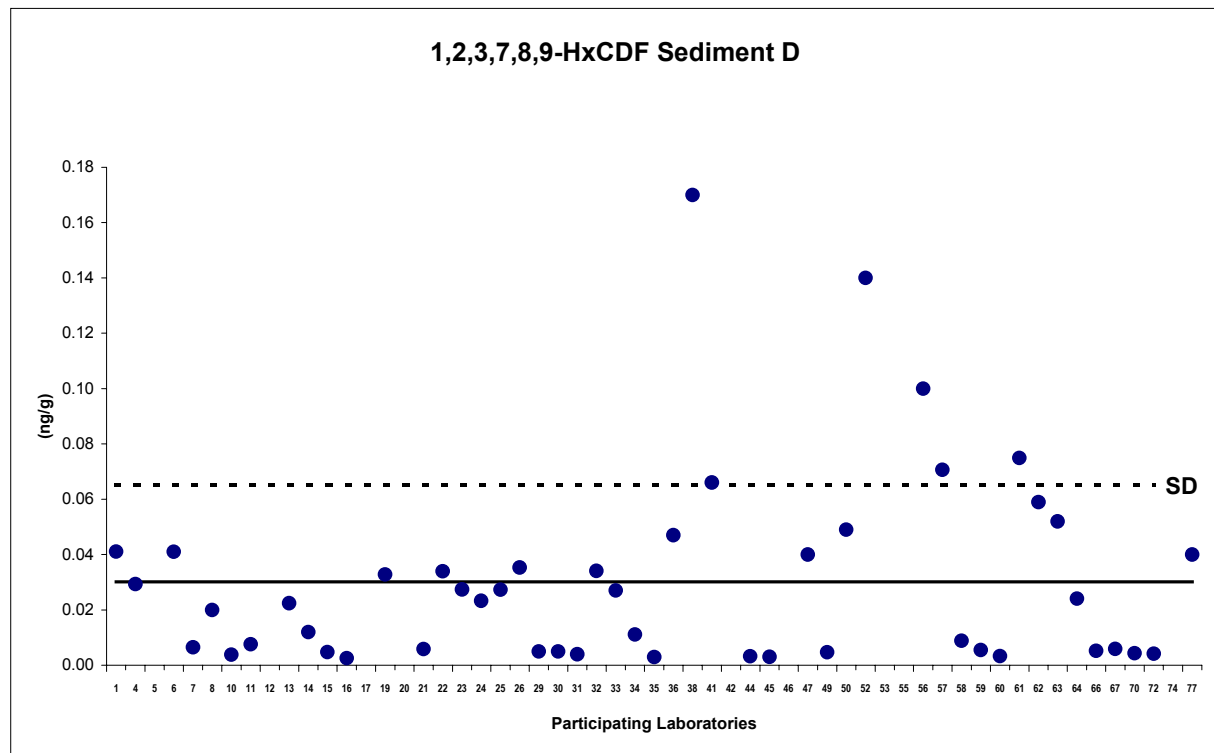
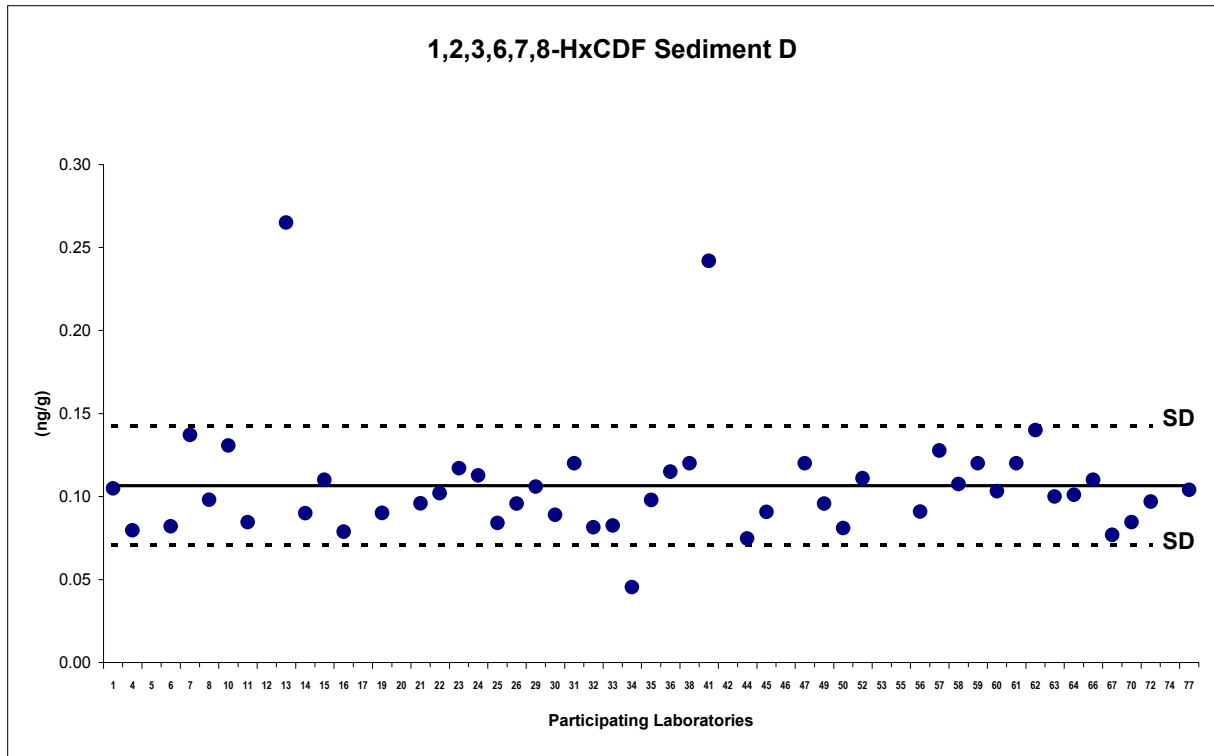


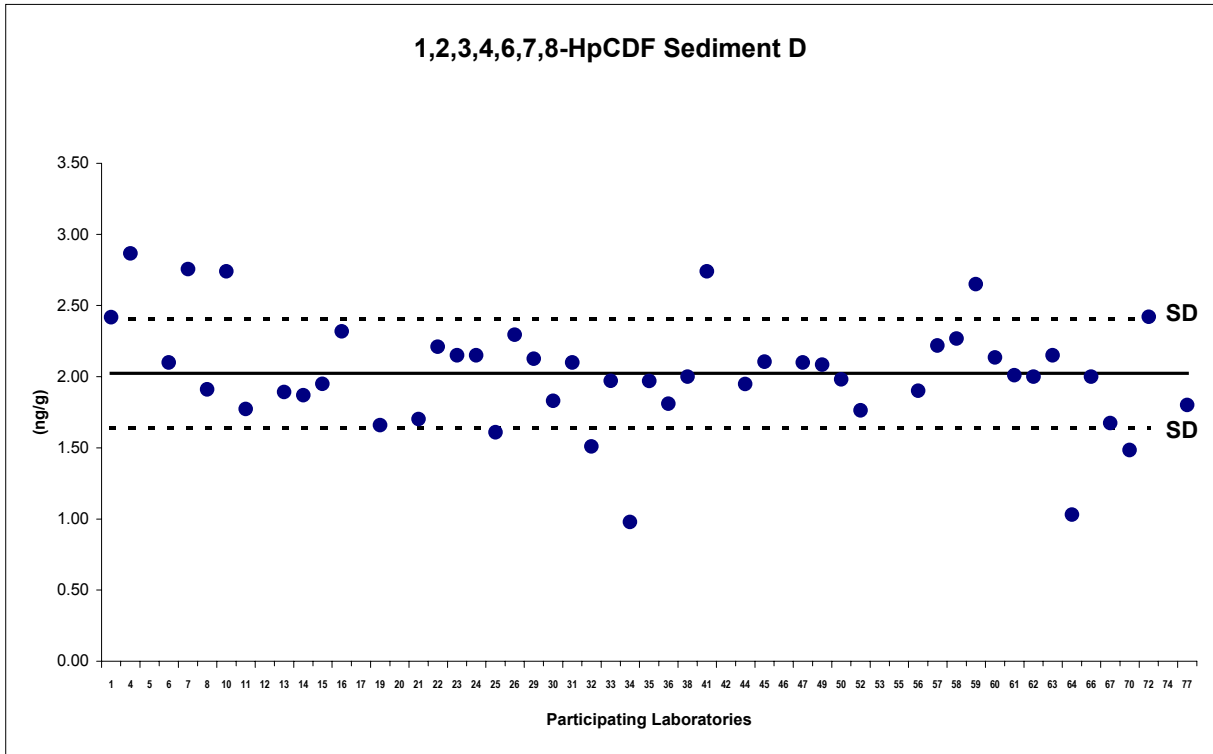
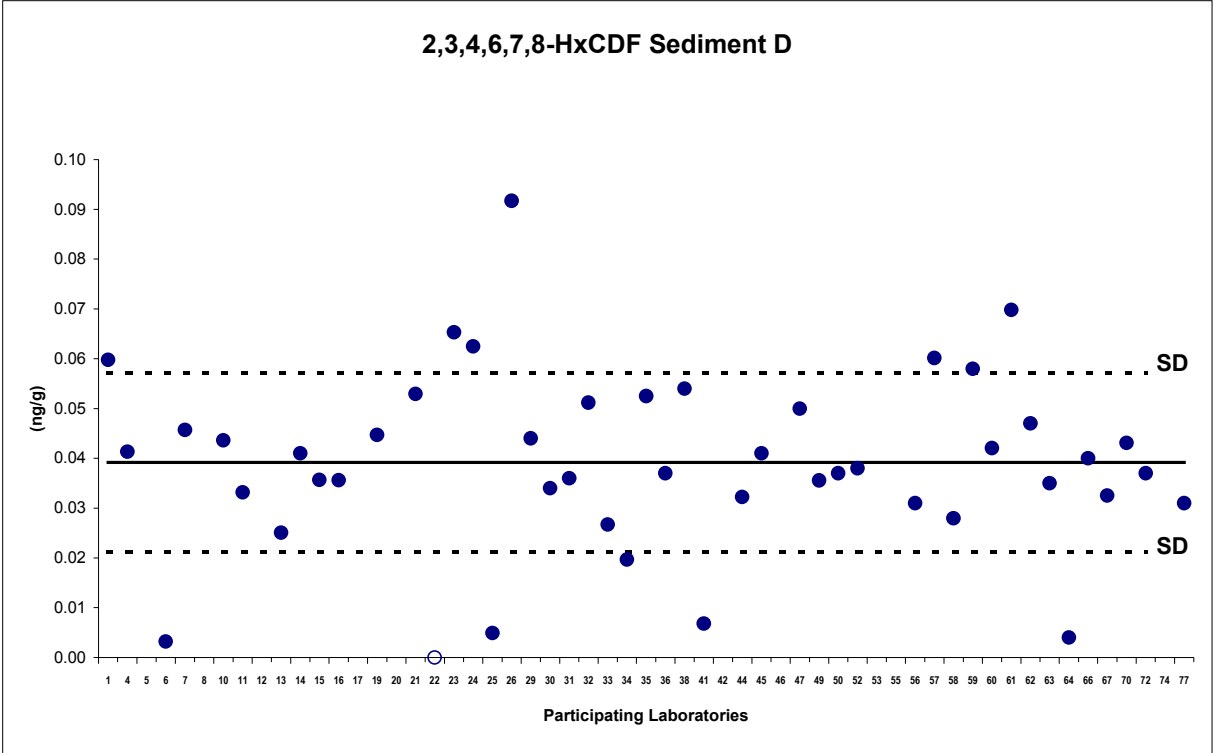


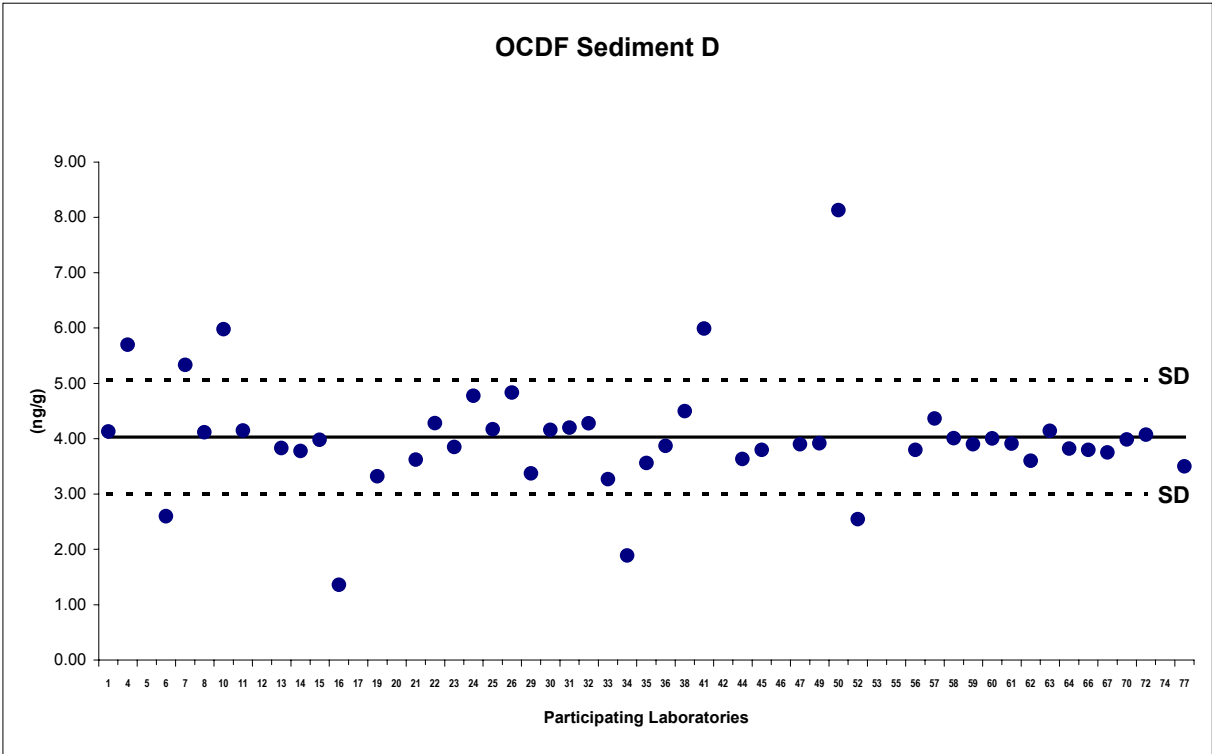
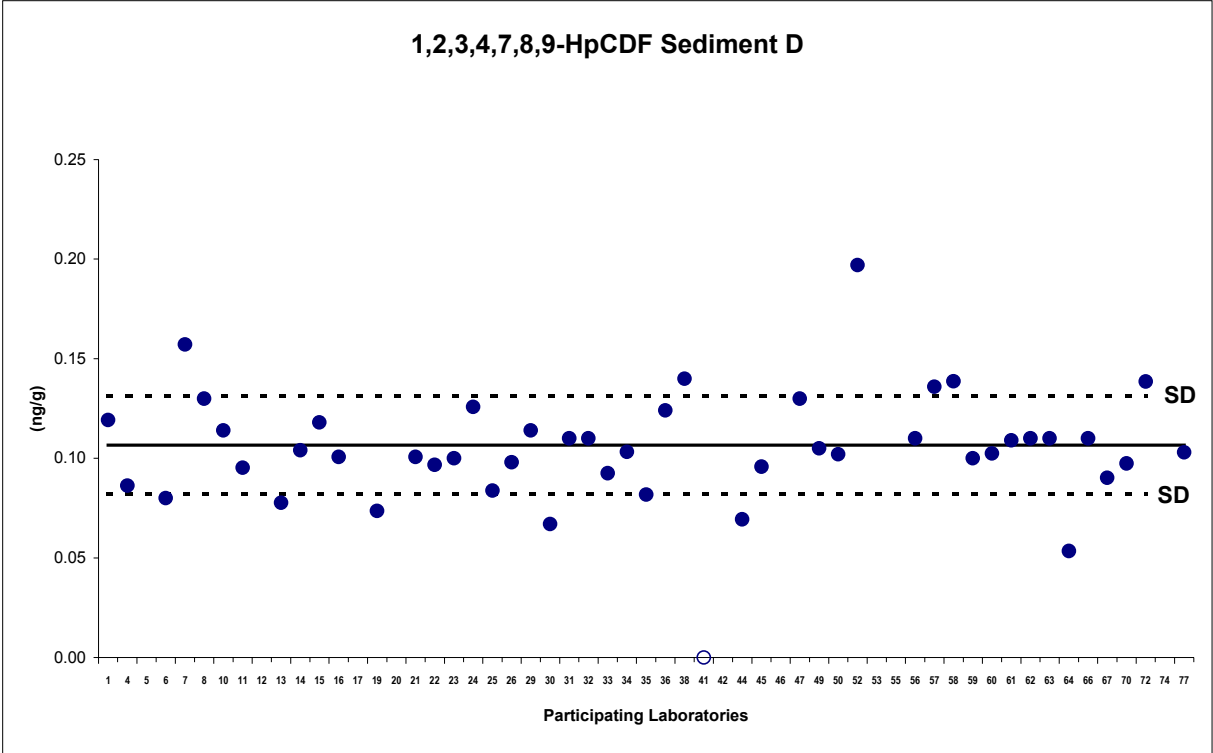


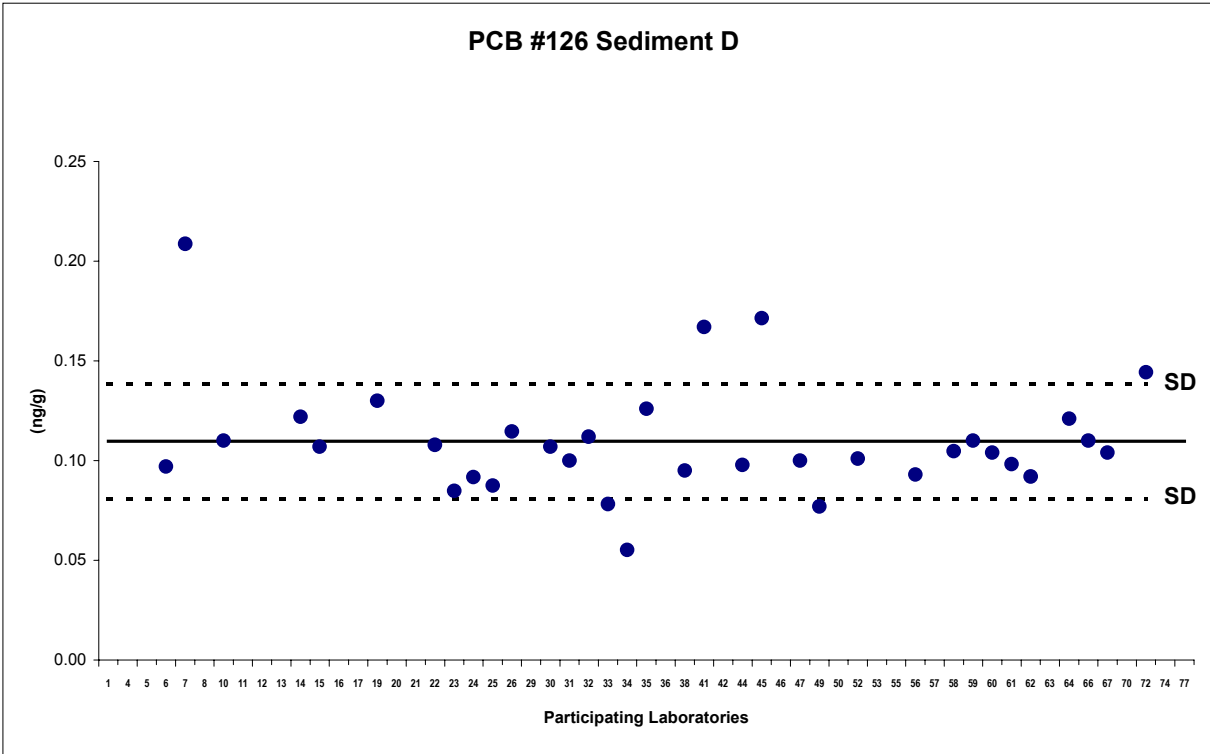
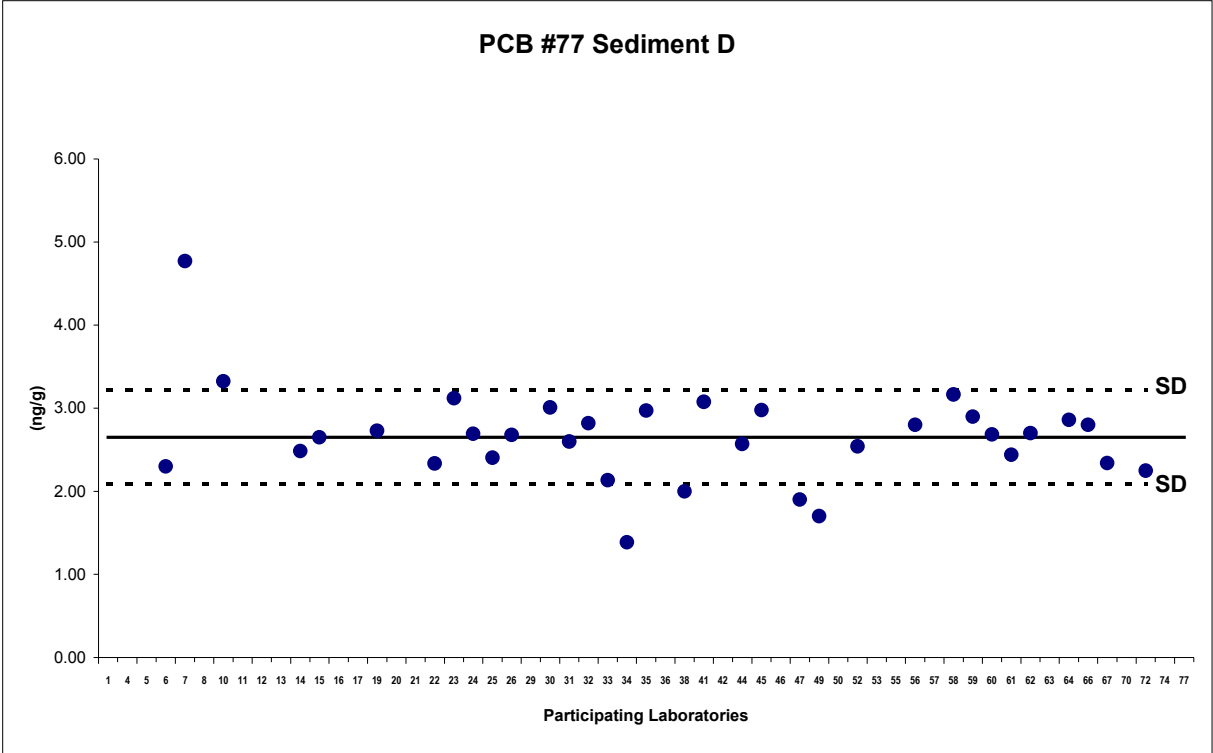


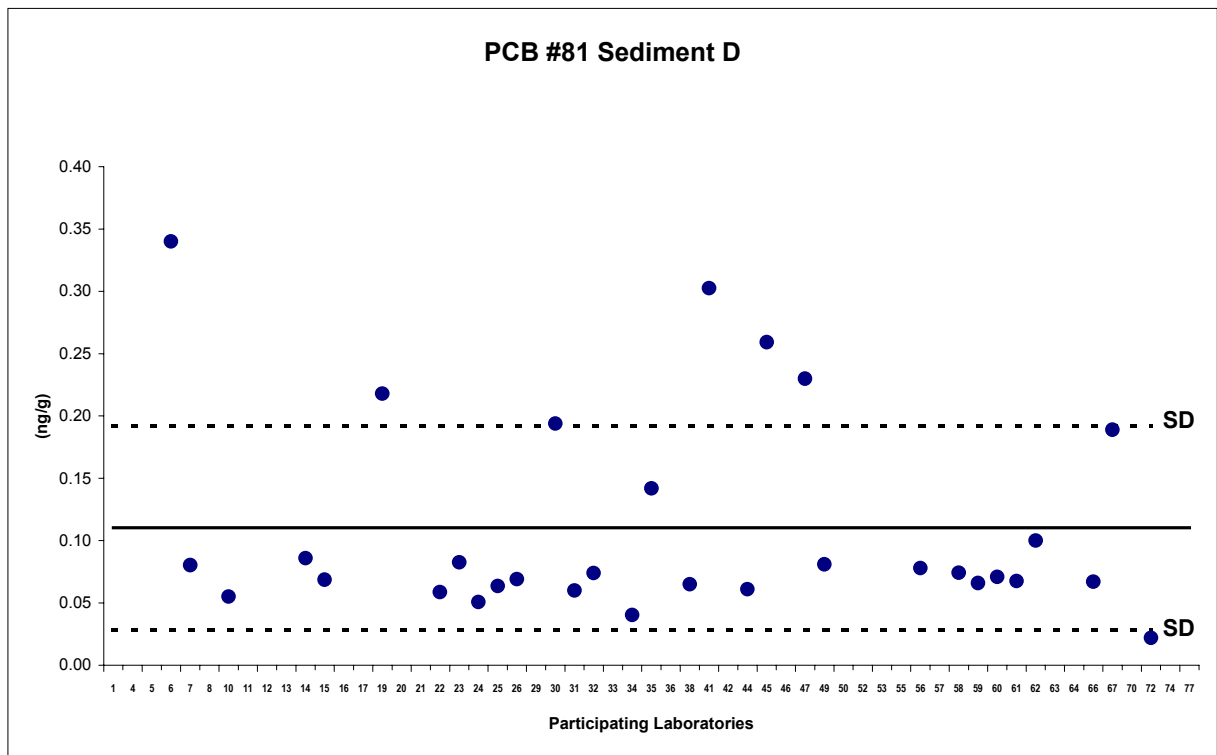
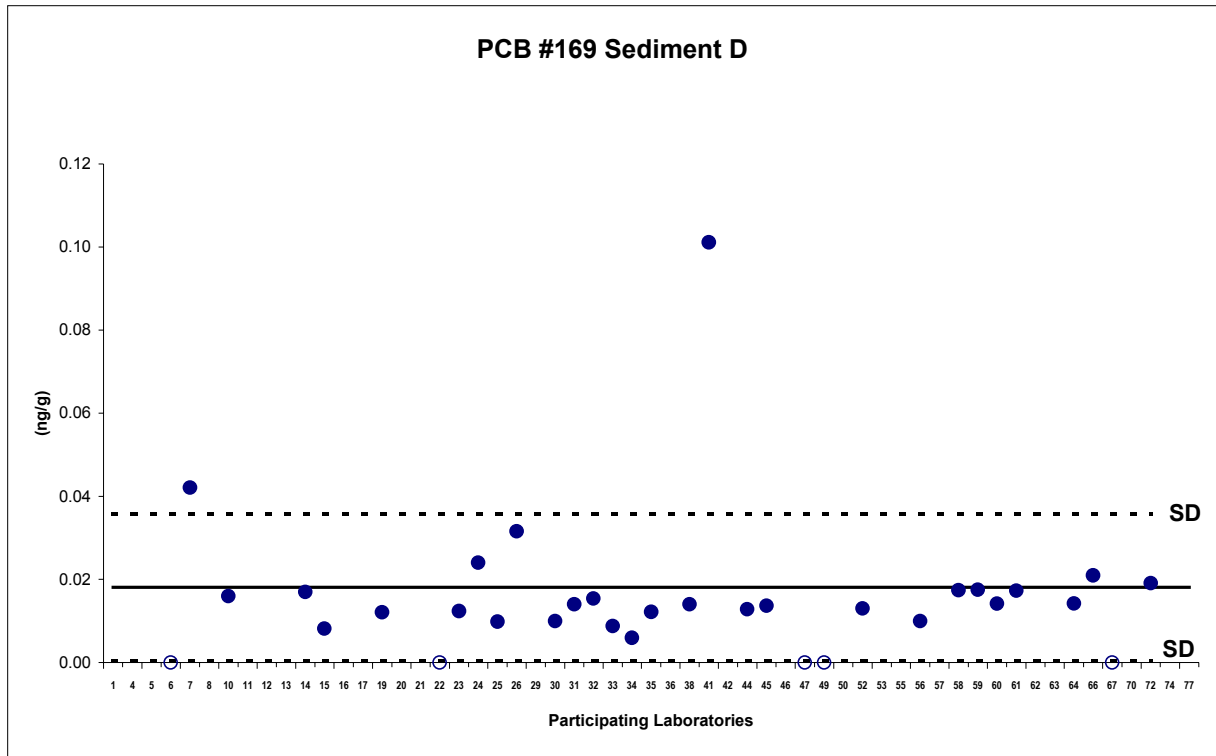


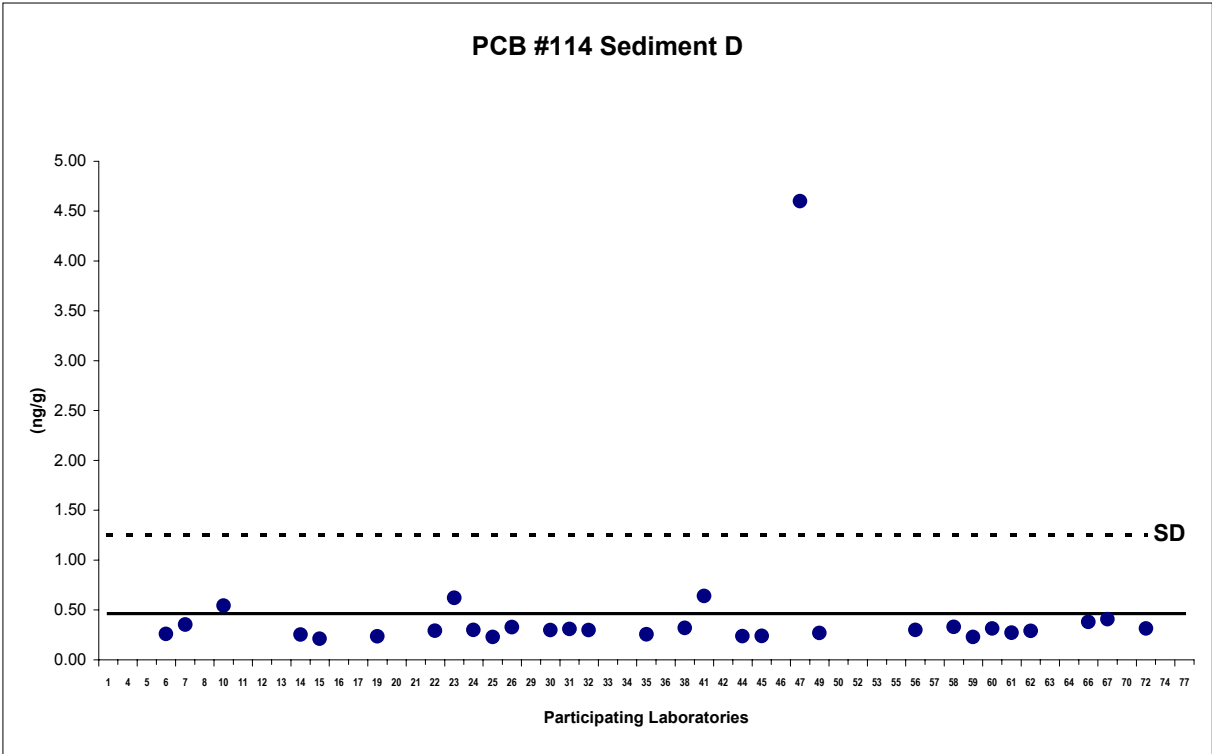
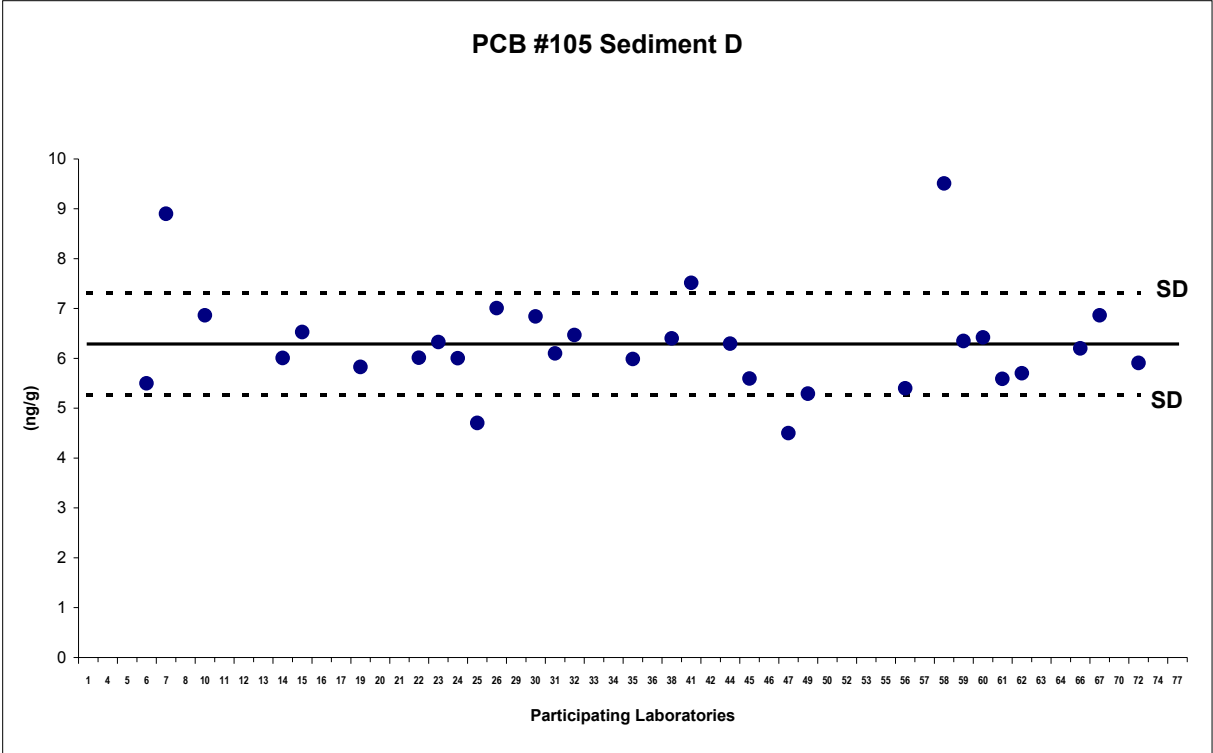


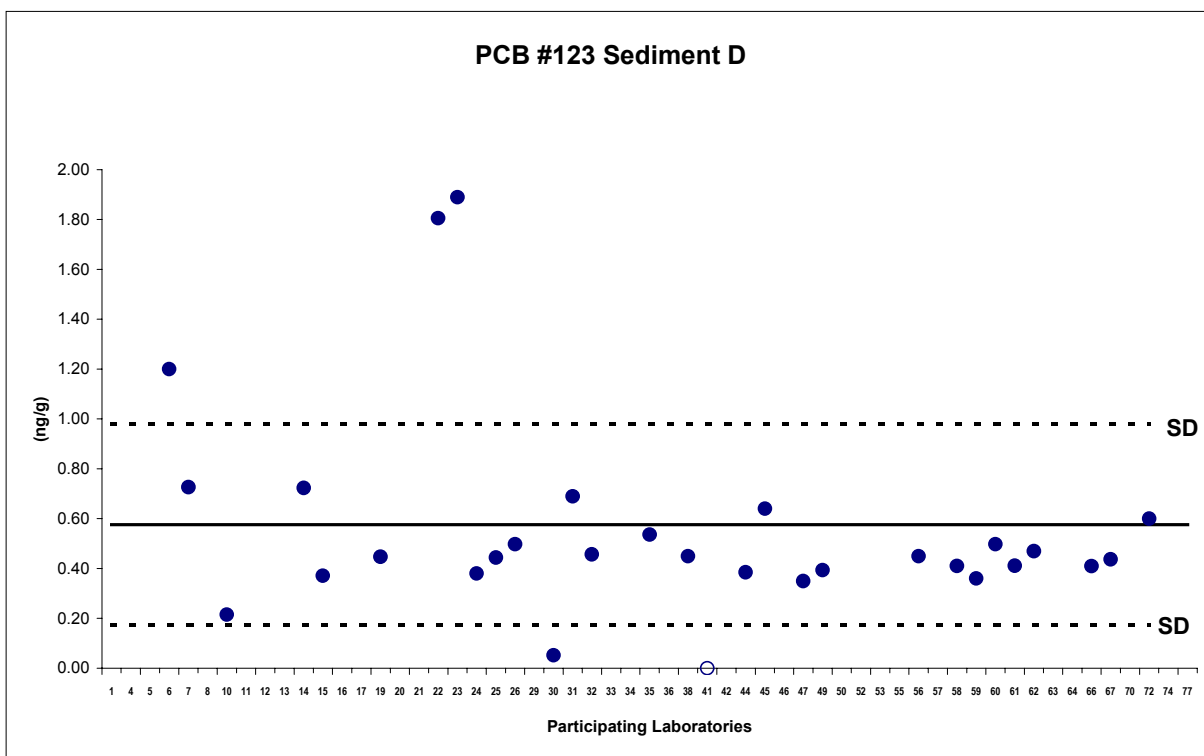
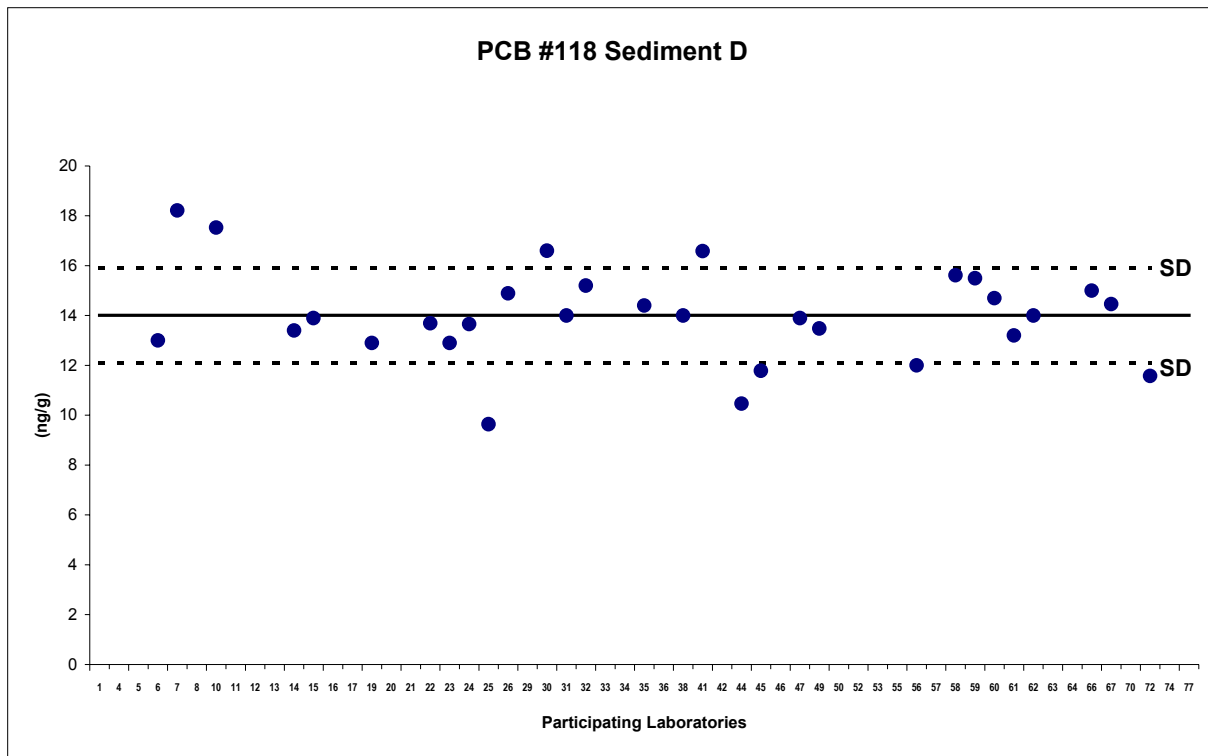


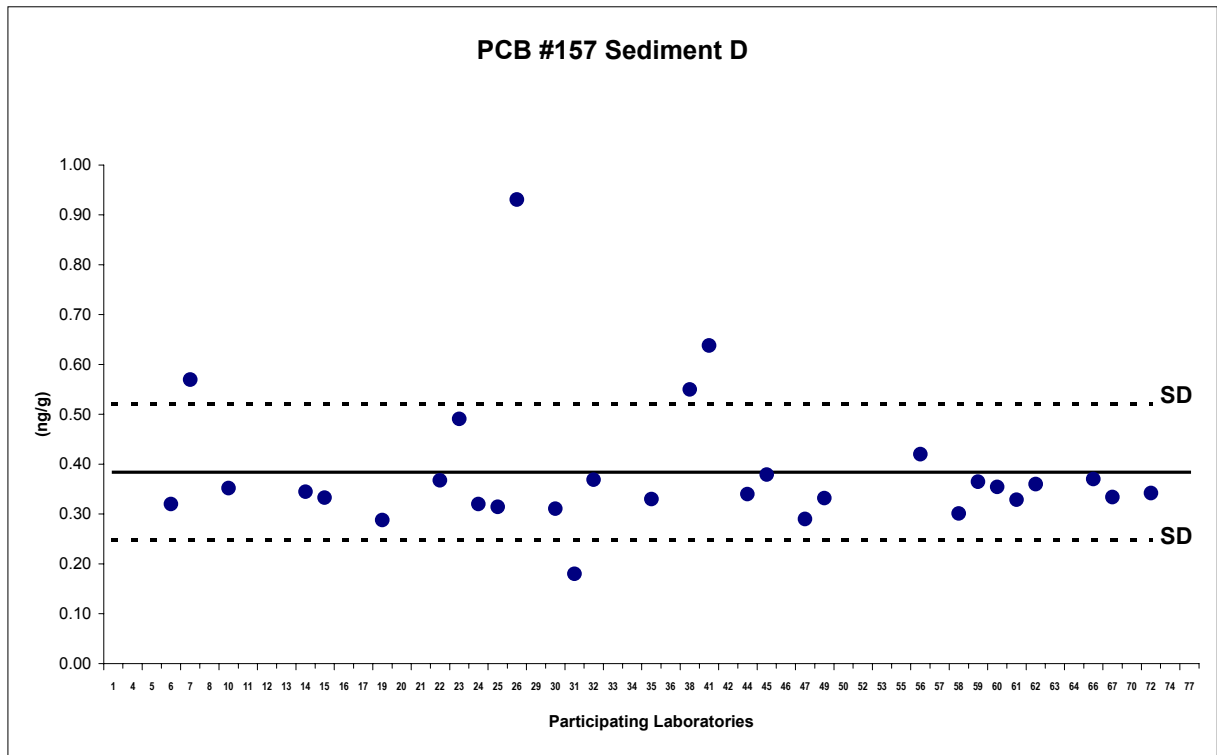
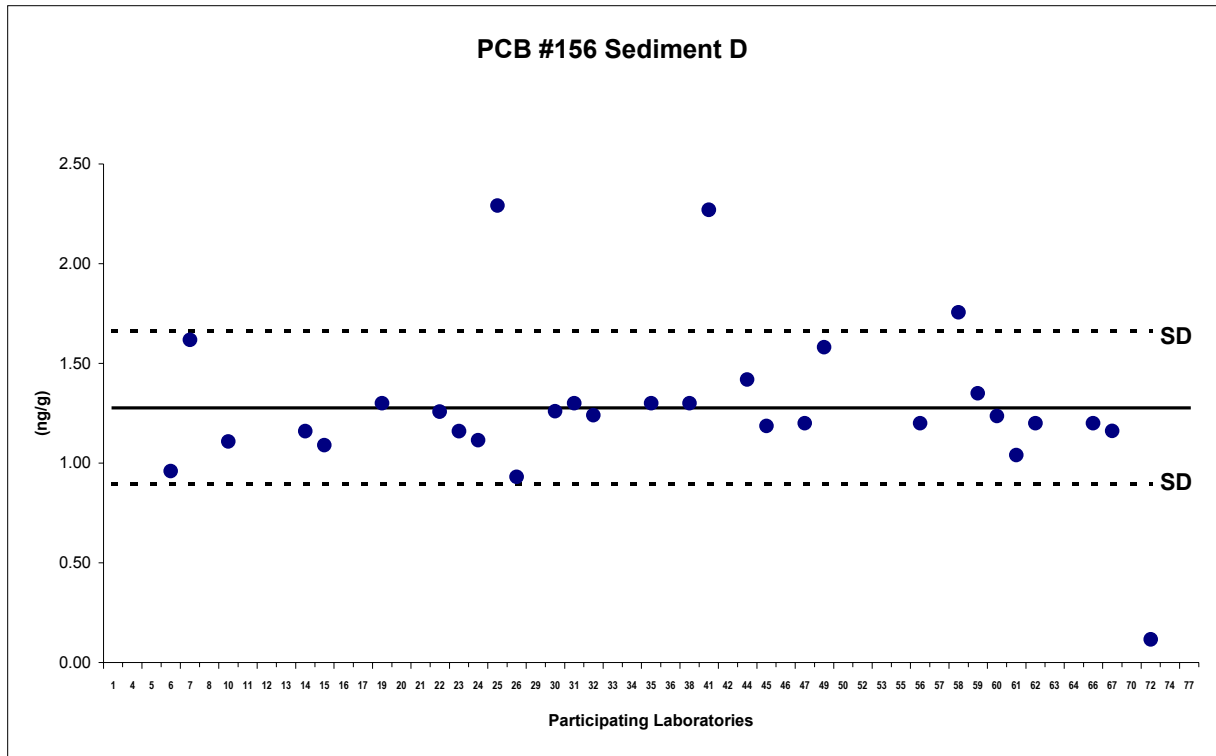




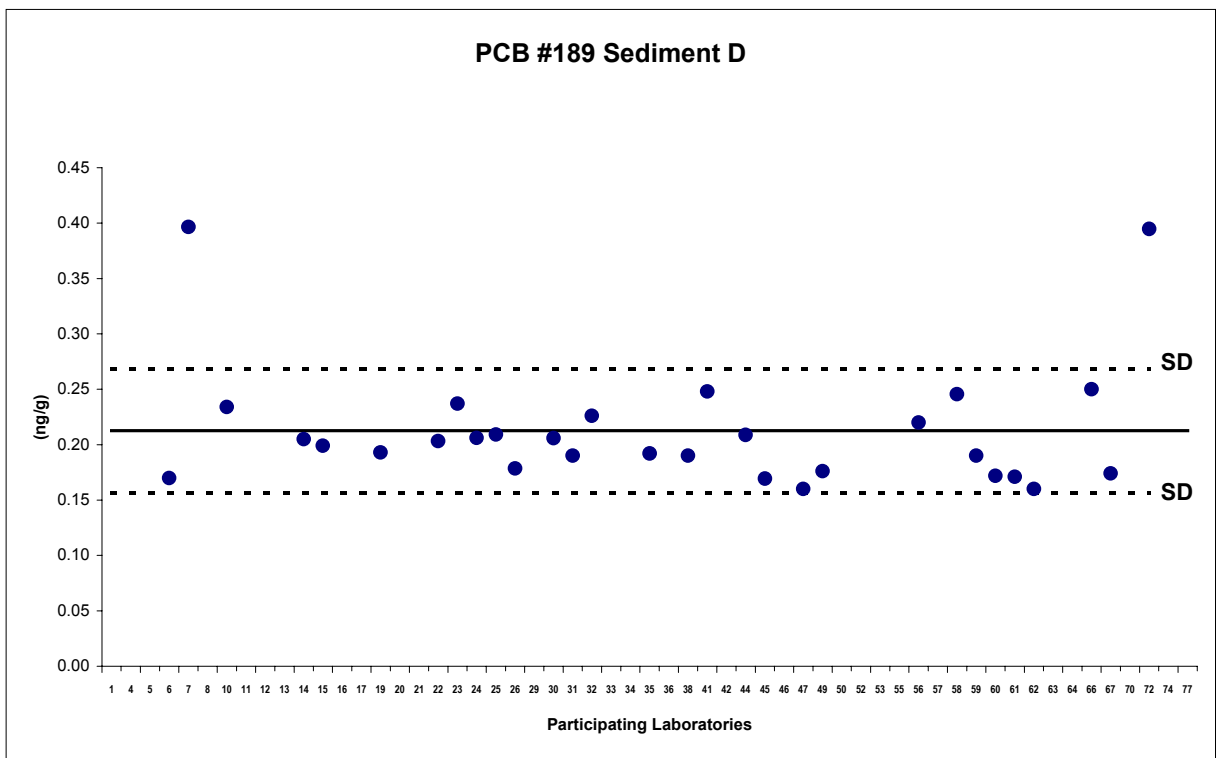
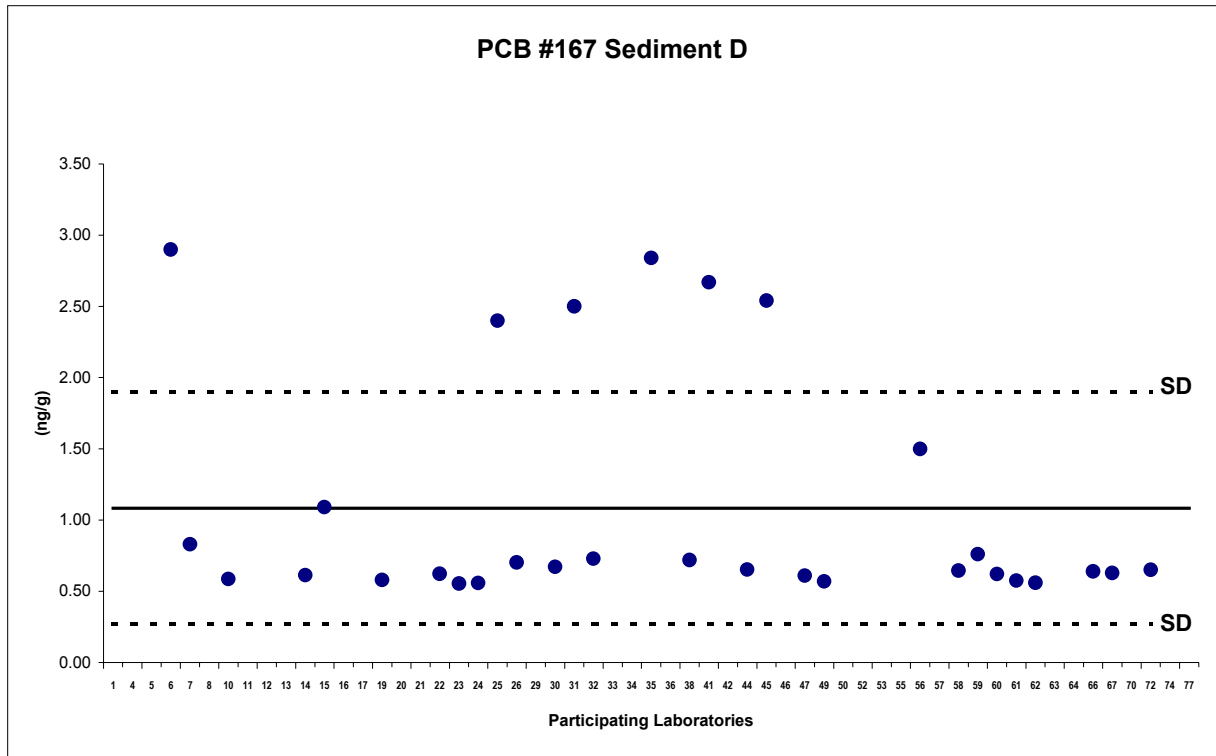












Participant code:	1	2	3	4	5	6	7	8	10	11	12	13	14
Amount Analysed:													
2,3,7,8-TeCDD	32	48	29	39	21	39	42	34	42	36	40	38	
1,2,3,7,8-PeCDD	66	92	61	84	50	88	92	54	78	81	98	81	
1,2,3,4,7,8-HxCDD	80	84	64	89	40	78	86	61	79	72	82	79	
1,2,3,6,7,8-HxCDD	82	95	71	91	45	87	102	64	88	77	66	78	
1,2,3,7,8,9-HxCDD	80	92	65	84	45	80	92	67	103	74	81	80	
1,2,3,4,6,7,8-HpCDD	159	232	150	210	83	177	207	155	153	157	193	145	
OCDD	164	200	150	200	86	179	209	147	165	175	200	157	
2,3,7,8-TeCDF	39	61	33	45	23	45	56	36	40	44	44	40	
1,2,3,7,8-PeCDF	84	96	73	88	48	92	103	55	82	85	155	79	
2,3,4,7,8-PeCDF	78	90	67	83	50	85	100	56	79	78	70	75	
1,2,3,4,7,8-HxCDF	79	97	64	86	44	87	96	64	77	78	81	79	
1,2,3,6,7,8-HxCDF	75	99	63	82	47	90	97	65	78	75	87	83	
1,2,3,7,8,9-HxCDF	84	92	60	86	44	86	94	60	81	77	79	74	
2,3,4,6,7,8-HxCDF	87	114	64	86	41	86	98	68	80	80	75	77	
1,2,3,4,6,7,8-HpCDF	166	189	140	210	85	172	176	125	153	159	201	155	
1,2,3,4,7,8,9-HpCDF	162	213	150	180	75	168	179	106	151	158	190	141	
OCDF	143	216	150	200	88	167	210	123	182	171	218	153	
<b>TEQ (PCDD/DF)</b>	<b>207</b>	<b>270</b>	<b>180</b>	<b>240</b>	<b>134</b>	<b>243</b>	<b>218</b>	<b>172</b>	<b>231</b>	<b>222</b>	<b>247</b>	<b>223</b>	
PCB #77	X	X	X	X	X	X	X	X	X	X	X	X	X
PCB #126	X	X	X	X	X	X	X	X	X	X	X	X	X
PCB #169	X	X	X	X	X	X	X	X	X	X	X	X	X
<b>TEQ (including PCBs)</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>
Other PCBs (Optional)													
PCB #81	X	X	X	X	X	X	X	X	X	X	X	X	X
PCB #105	X	X	X	X	X	X	X	X	X	X	X	X	X
PCB #114	X	X	X	X	X	X	X	X	X	X	X	X	X
PCB #118	X	X	X	X	X	X	X	X	X	X	X	X	X
PCB #123	X	X	X	X	X	X	X	X	X	X	X	X	X
PCB #156	X	X	X	X	X	X	X	X	X	X	X	X	X
PCB #157	X	X	X	X	X	X	X	X	X	X	X	X	X
PCB #167	X	X	X	X	X	X	X	X	X	X	X	X	X
PCB #189	X	X	X	X	X	X	X	X	X	X	X	X	X
<b>TEQ Total</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>
* all values in pg/ul													
ND: not detected < than value expected													
NA: not analyzed													
Solution F1													

Participant code:	15	16	17	18	19	20	21	22	23	24	25	26	27
Amount Analysed:													
2,3,7,8-TeCDD	39	NA	41	29	18	39	39	38	41	37	42	42	46
1,2,3,7,8-PeCDD	79	NA	90	67	37	77	86	68	81	68	88	88	89
1,2,3,4,7,8-HxCDD	80	NA	101	68	40	76	79	68	84	68	75	75	78
1,2,3,6,7,8-HxCDD	79	NA	89	83	40	81	88	76	83	76	82	82	83
1,2,3,7,8,9-HxCDD	76	NA	102	74	40	81	89	70	87	70	75	75	83
1,2,3,4,6,7,8-HpCDD	152	NA	171	154	74	170	178	155	150	155	171	171	180
OCDD	151	NA	179	184	81	184	179	160	156	160	180	180	176
2,3,7,8-TeCDF	40	NA	43	43	17	47	38	42	36	42	45	45	46
1,2,3,7,8-PeCDF	83	NA	92	90	40	90	83	82	64	82	90	90	80
2,3,4,7,8-PeCDF	78	NA	74	69	37	81	85	76	76	76	82	82	77
1,2,3,4,7,8-HxCDF	82	NA	86	81	39	82	81	74	83	74	81	81	91
1,2,3,6,7,8-HxCDF	78	NA	91	86	39	77	84	77	80	77	83	83	92
1,2,3,7,8,9-HxCDF	89	NA	90	87	42	78	82	72	74	72	82	82	66
2,3,4,6,7,8-HxCDF	82	NA	91	82	40	79	84	76	71	76	83	83	83
1,2,3,4,6,7,8-HpCDF	150	NA	183	130	78	173	167	151	156	151	170	170	181
1,2,3,4,7,8,9-HpCDF	154	NA	169	155	80	171	182	151	137	151	166	166	112
OCDF	154	NA	176	158	78	213	183	164	148	164	177	177	174
<b>TEQ (PCDD/DF)</b>	<b>226</b>	<b>NA</b>	<b>247</b>	<b>200</b>	<b>107</b>	<b>227</b>	<b>239</b>	<b>209</b>	<b>228</b>	<b>209</b>	<b>236</b>	<b>236</b>	<b>241</b>
PCB #77	X	X	X	X	X	X	X	X	X	X	X	X	X
PCB #126	X	X	X	X	X	X	X	X	X	X	X	X	X
PCB #169	X	X	X	X	X	X	X	X	X	X	X	X	X
<b>TEQ (including PCBs)</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>
Other PCBs (Optional)													
PCB #81	X	X	X	X	X	X	X	X	X	X	X	X	X
PCB #105	X	X	X	X	X	X	X	X	X	X	X	X	X
PCB #114	X	X	X	X	X	X	X	X	X	X	X	X	X
PCB #118	X	X	X	X	X	X	X	X	X	X	X	X	X
PCB #123	X	X	X	X	X	X	X	X	X	X	X	X	X
PCB #156	X	X	X	X	X	X	X	X	X	X	X	X	X
PCB #157	X	X	X	X	X	X	X	X	X	X	X	X	X
PCB #167	X	X	X	X	X	X	X	X	X	X	X	X	X
PCB #189	X	X	X	X	X	X	X	X	X	X	X	X	X
<b>TEQ Total</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>
* all values in pg/ul													
ND: not detected < than value expected													
NA: not analyzed													
Solution F2													

Participant code:	28	29	30	31	32	33	34	35	36	37	38	39	40
Amount Analysed:													
2,3,7,8-TeCDD	41	39	35	38	30	39	32	39	37	43	37	41	49
1,2,3,7,8-PeCDD	79	76	77	87	61	82	63	82	79	86	79	76	86
1,2,3,4,7,8-HxCDD	85	84	85	75	67	84	59	81	75	89	75	85	74
1,2,3,6,7,8-HxCDD	78	96	75	65	56	82	66	87	84	84	84	95	95
1,2,3,7,8,9-HxCDD	78	93	82	70	64	79	65	82	78	89	78	78	76
1,2,3,4,6,7,8-HpCDD	163	184	160	145	138	159	145	152	160	197	160	174	188
OCDD	167	183	160	144	173	165	140	160	180	170	180	158	213
2,3,7,8-TeCDF	41	46	37	35	30	48	38	42	55	41	55	48	48
1,2,3,7,8-PeCDF	84	87	75	80	42	91	74	79	96	95	96	91	89
2,3,4,7,8-PeCDF	83	94	77	70	55	92	70	84	89	85	89	87	83
1,2,3,4,7,8-HxCDF	84	78	81	73	60	89	66	85	85	85	85	86	84
1,2,3,6,7,8-HxCDF	85	90	80	64	60	89	72	83	95	80	95	86	104
1,2,3,7,8,9-HxCDF	85	73	79	68	40	86	70	84	88	87	93	88	62
2,3,4,6,7,8-HxCDF	83	76	77	71	41	79	71	87	82	87	82	79	80
1,2,3,4,6,7,8-HpCDF	165	167	150	107	157	196	150	143	160	201	160	198	173
1,2,3,4,7,8,9-HpCDF	164	166	160	141	129	171	144	162	180	186	180	179	119
OCDF	158	173	160	151	161	168	138	164	160	178	160	165	296
<b>TEQ (PCDD/DF)</b>	<b>232</b>	<b>235</b>	<b>219</b>	<b>219</b>	<b>167</b>	<b>241</b>	<b>189</b>	<b>234</b>	<b>230</b>	<b>246</b>	<b>230</b>	<b>235</b>	<b>248</b>
PCB #77	X	X	X	X	X	X	X	X	X	X	X	X	X
PCB #126	X	X	X	X	X	X	X	X	X	X	X	X	X
PCB #169	X	X	X	X	X	X	X	X	X	X	X	X	X
<b>TEQ (including PCBs)</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>
Other PCBs (Optional)													
PCB #81	X	X	X	X	X	X	X	X	X	X	X	X	X
PCB #105	X	X	X	X	X	X	X	X	X	X	X	X	X
PCB #114	X	X	X	X	X	X	X	X	X	X	X	X	X
PCB #118	X	X	X	X	X	X	X	X	X	X	X	X	X
PCB #123	X	X	X	X	X	X	X	X	X	X	X	X	X
PCB #156	X	X	X	X	X	X	X	X	X	X	X	X	X
PCB #157	X	X	X	X	X	X	X	X	X	X	X	X	X
PCB #167	X	X	X	X	X	X	X	X	X	X	X	X	X
PCB #189	X	X	X	X	X	X	X	X	X	X	X	X	X
<b>TEQ Total</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>

\* all values in pg/ul  
ND: not detected < than value expected  
NA: not analyzed

Solution F3

Participant code:	41	42	43	44	45	46	47	48	49	50	51	52	53
Amount Analysed:													
2,3,7,8-TeCDD	36	27	45	27	41	39	47	41	38	34	37	47	
1,2,3,7,8-PeCDD	74	61	100	77	85	73	73	85	79	64	73	88	
1,2,3,4,7,8-HxCDD	83	48	92	82	79	77	89	79	82	62	76	87	
1,2,3,6,7,8-HxCDD	83	45	85	82	79	82	89	79	97	66	83	101	
1,2,3,7,8,9-HxCDD	88	49	90	82	80	75	85	80	85	62	75	100	
1,2,3,4,6,7,8-HpCDD	154	115	176	163	153	189	180	153	143	142	161	90	
OCDD	163	96	172	164	163	188	190	163	150	130	176	275	
2,3,7,8-TeCDF	36	29	41	40	41	50	48	41	41	35	42	44	
1,2,3,7,8-PeCDF	83	64	91	72	79	91	97	79	88	75	91	86	
2,3,4,7,8-PeCDF	77	60	86	78	78	92	87	78	82	72	81	82	
1,2,3,4,7,8-HxCDF	83	58	97	81	80	82	90	80	82	64	80	89	
1,2,3,6,7,8-HxCDF	84	43	94	79	79	84	83	79	79	61	81	98	
1,2,3,7,8,9-HxCDF	83	54	95	76	80	76	100	80	85	71	84	84	
2,3,4,6,7,8-HxCDF	81	66	92	77	79	77	97	79	81	68	80	83	
1,2,3,4,6,7,8-HpCDF	157	113	191	163	163	194	170	163	163	127	160	96	
1,2,3,4,7,8,9-HpCDF	157	126	213	160	150	162	190	150	143	130	162	135	
OCDF	157	110	172	162	163	198	180	163	117	129	170	110	
<b>TEQ (PCDD/DF)</b>	<b>220</b>	<b>164</b>	<b>266</b>	<b>226</b>	<b>233</b>	<b>227</b>	<b>242</b>	<b>233</b>	<b>230</b>	<b>186</b>	<b>220</b>	<b>253</b>	
PCB #77	X	X	X	X	X	X	X	X	X	X	X	X	X
PCB #126	X	X	X	X	X	X	X	X	X	X	X	X	X
PCB #169	X	X	X	X	X	X	X	X	X	X	X	X	X
<b>TEQ (including PCBs)</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>
Other PCBs (Optional)													
PCB #81	X	X	X	X	X	X	X	X	X	X	X	X	X
PCB #105	X	X	X	X	X	X	X	X	X	X	X	X	X
PCB #114	X	X	X	X	X	X	X	X	X	X	X	X	X
PCB #118	X	X	X	X	X	X	X	X	X	X	X	X	X
PCB #123	X	X	X	X	X	X	X	X	X	X	X	X	X
PCB #156	X	X	X	X	X	X	X	X	X	X	X	X	X
PCB #157	X	X	X	X	X	X	X	X	X	X	X	X	X
PCB #167	X	X	X	X	X	X	X	X	X	X	X	X	X
PCB #189	X	X	X	X	X	X	X	X	X	X	X	X	X
<b>TEQ Total</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>
* all values in pg/ul													
ND: not detected < than value expected													
NA: not analyzed													
Solution F4													

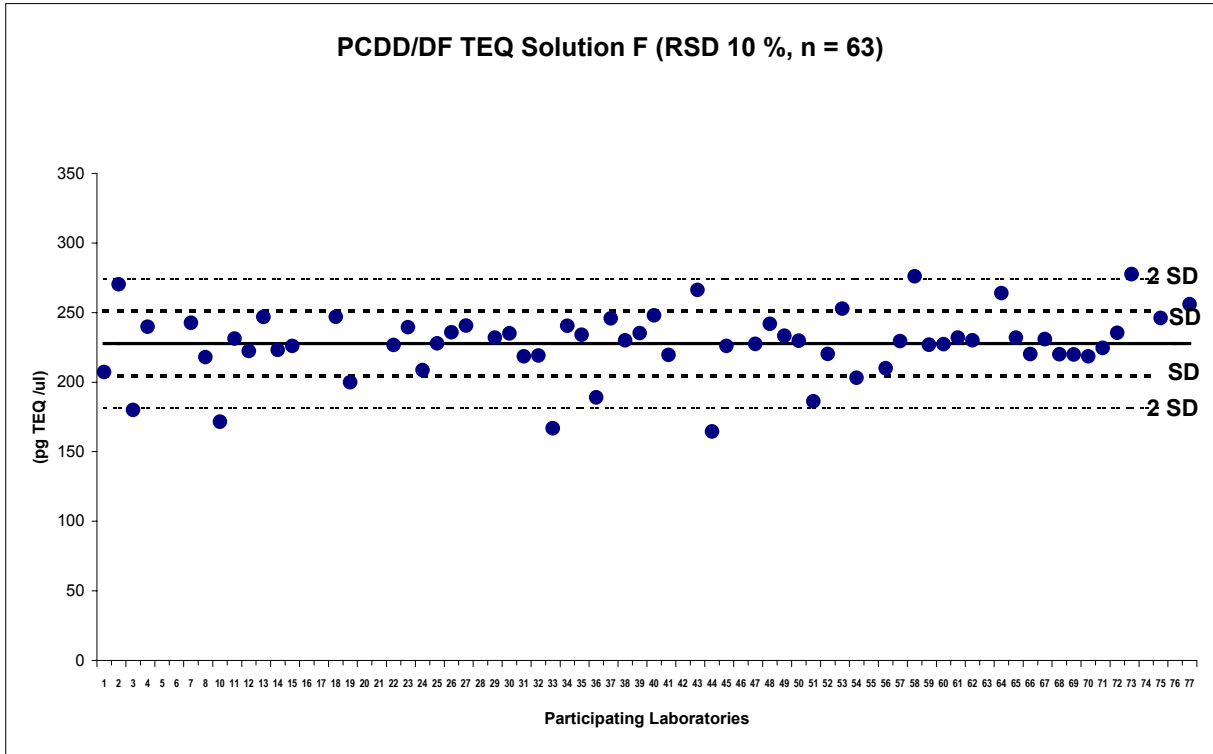
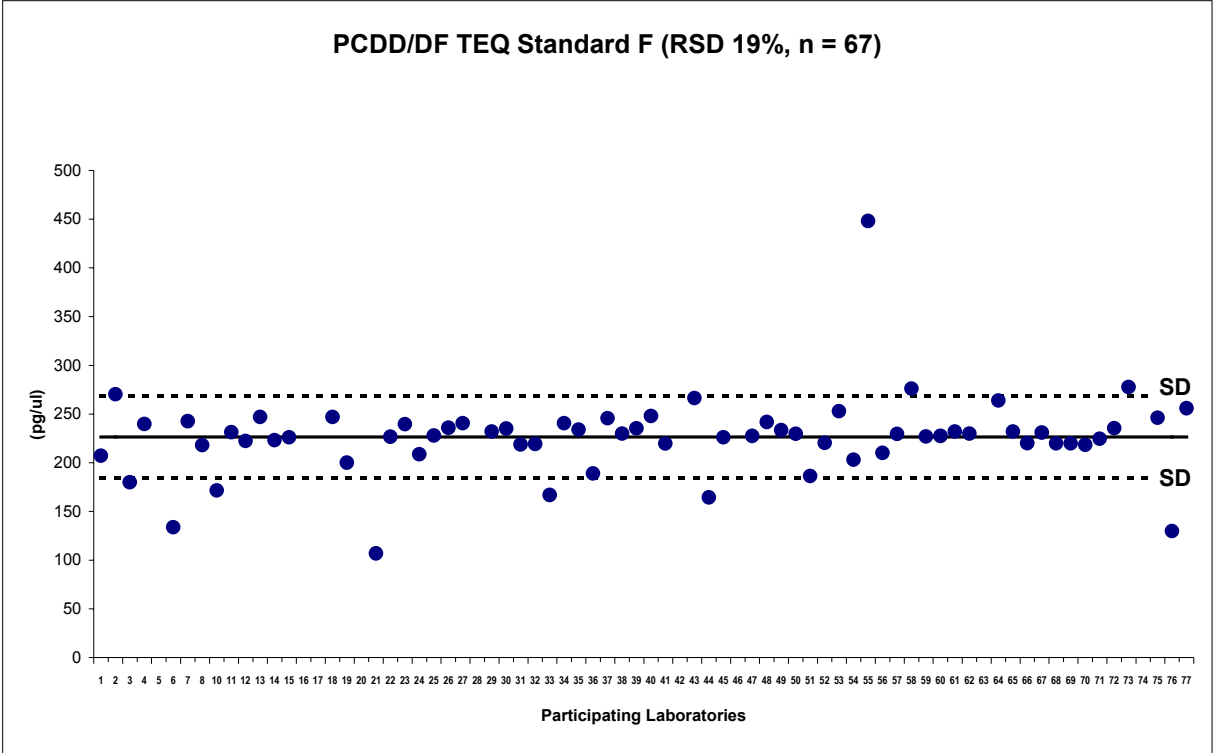
Participant code:	54	55	56	57	58	59	60	61	62	63	64	65	66
Amount Analysed:													
2,3,7,8-TeCDD	38	39	38	38	50	42	41	40	39	NA	45	37	41
1,2,3,7,8-PeCDD	69	76	81	81	94	71	79	81	76	NA	97	75	75
1,2,3,4,7,8-HxCDD	70	63	85	83	92	95	83	77	80	NA	88	79	78
1,2,3,6,7,8-HxCDD	64	66	82	82	94	87	82	81	86	NA	91	75	76
1,2,3,7,8,9-HxCDD	69	63	80	85	97	92	85	81	86	NA	92	78	77
1,2,3,4,6,7,8-HpCDD	150	150	159	162	172	170	162	162	150	NA	175	170	150
OCDD	145	150	166	162	148	170	162	162	150	NA	191	225	160
2,3,7,8-TeCDF	40	41	37	38	51	41	41	42	40	NA	46	44	39
1,2,3,7,8-PeCDF	71	71	82	76	103	89	76	83	83	NA	88	95	75
2,3,4,7,8-PeCDF	70	71	80	77	101	79	77	82	84	NA	88	85	76
1,2,3,4,7,8-HxCDF	76	68	81	81	91	89	81	83	83	NA	90	93	77
1,2,3,6,7,8-HxCDF	73	71	83	79	99	84	79	80	87	NA	94	89	75
1,2,3,7,8,9-HxCDF	70	65	82	79	96	77	79	79	85	NA	91	121	78
2,3,4,6,7,8-HxCDF	70	66	83	79	91	86	79	84	80	NA	91	92	77
1,2,3,4,6,7,8-HpCDF	143	150	172	162	184	180	162	166	170	NA	188	200	160
1,2,3,4,7,8,9-HpCDF	133	130	168	158	170	130	158	160	170	NA	182	193	150
OCDF	165	150	153	167	151	170	167	157	170	NA	182	166	150
<b>TEQ (PCDD/DF)</b>	<b>203</b>	<b>448</b>	<b>210</b>	<b>229</b>	<b>276</b>	<b>227</b>	<b>227</b>	<b>232</b>	<b>230</b>	<b>NA</b>	<b>264</b>	<b>232</b>	<b>220</b>
PCB #77	X	X	X	X	X	X	X	X	X	X	X	X	X
PCB #126	X	X	X	X	X	X	X	X	X	X	X	X	X
PCB #169	X	X	X	X	X	X	X	X	X	X	X	X	X
<b>TEQ (including PCBs)</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>
Other PCBs (Optional)													
PCB #81	X	X	X	X	X	X	X	X	X	X	X	X	X
PCB #105	X	X	X	X	X	X	X	X	X	X	X	X	X
PCB #114	X	X	X	X	X	X	X	X	X	X	X	X	X
PCB #118	X	X	X	X	X	X	X	X	X	X	X	X	X
PCB #123	X	X	X	X	X	X	X	X	X	X	X	X	X
PCB #156	X	X	X	X	X	X	X	X	X	X	X	X	X
PCB #157	X	X	X	X	X	X	X	X	X	X	X	X	X
PCB #167	X	X	X	X	X	X	X	X	X	X	X	X	X
PCB #189	X	X	X	X	X	X	X	X	X	X	X	X	X
<b>TEQ Total</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>
* all values in pg/ul													
ND: not detected < than value expected													
NA: not analyzed													
Solution F5													

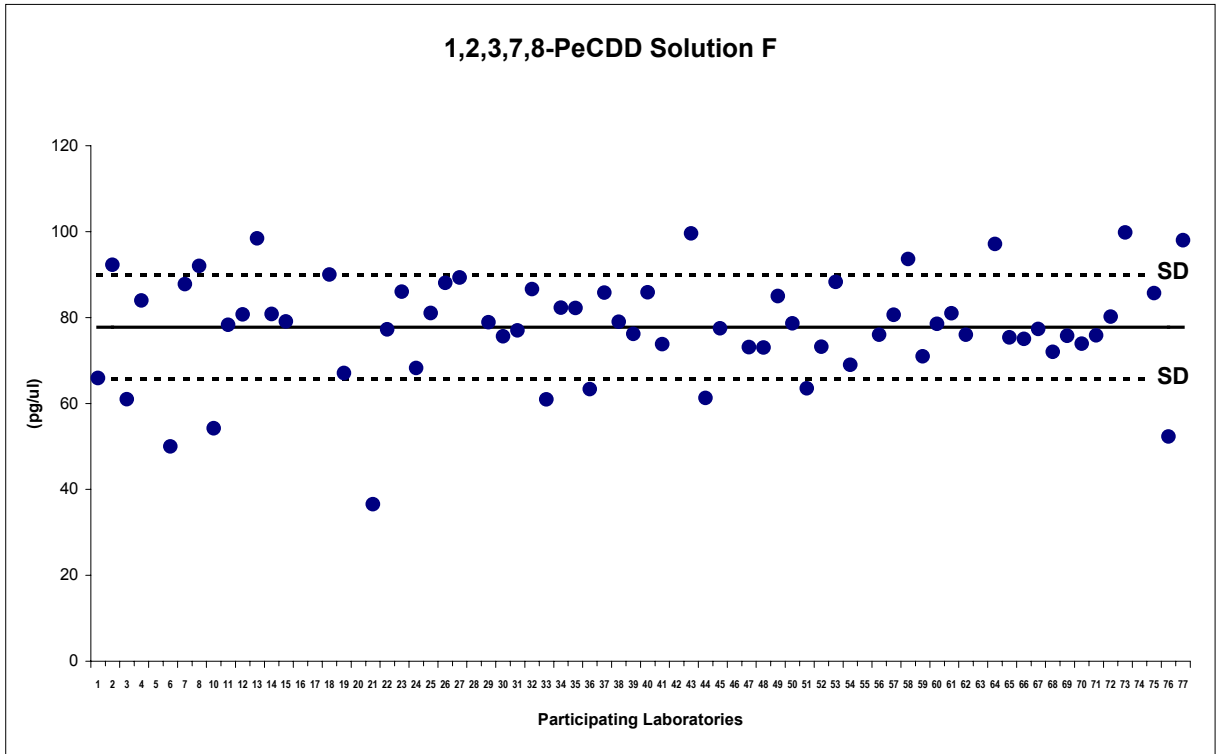
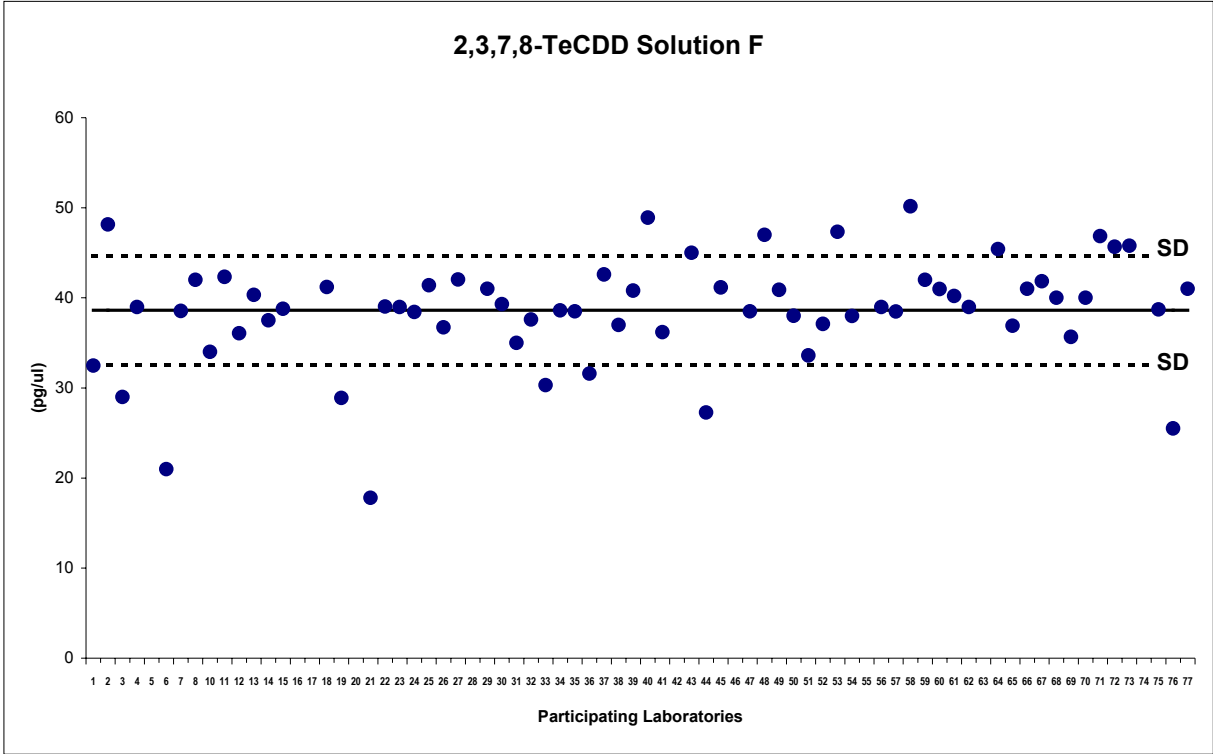
Participant code:	67	68	69	70	71	72	73	74	75	76	77
Amount Analysed:	*										
2,3,7,8-TeCDD	42	40	36	40	47	46	46		39	26	41
1,2,3,7,8-PeCDD	77	72	76	74	76	80	100		86	52	98
1,2,3,4,7,8-HxCDD	76	75	73	76	78	75	91		81	54	84
1,2,3,6,7,8-HxCDD	81	73	81	75	80	85	91		87	55	86
1,2,3,7,8,9-HxCDD	80	76	75	77	82	84	82		82	52	88
1,2,3,4,6,7,8-HpCDD	163	160	169	157	162	174	216		183	134	158
OCDD	167	160	160	143	164	184	218		203	151	179
2,3,7,8-TeCDF	45	40	41	38	38	45	68		47	27	45
1,2,3,7,8-PeCDF	85	88	83	73	67	86	103		93	64	93
2,3,4,7,8-PeCDF	86	82	81	77	69	80	98		92	60	86
1,2,3,4,7,8-HxCDF	86	80	79	76	79	79	100		88	59	84
1,2,3,6,7,8-HxCDF	70	80	83	78	79	79	107		90	61	86
1,2,3,7,8,9-HxCDF	79	80	78	76	77	77	90		91	51	84
2,3,4,6,7,8-HxCDF	79	78	80	81	77	78	92		91	51	85
1,2,3,4,6,7,8-HpCDF	162	160	151	153	160	158	211		175	149	168
1,2,3,4,7,8,9-HpCDF	172	150	138	165	155	156	164		194	100	169
OCDF	179	160	171	155	164	194	205		216	129	161
<b>TEQ (PCDD/DF)</b>	<b>231</b>	<b>220</b>	<b>220</b>	<b>219</b>	<b>225</b>	<b>235</b>	<b>278</b>		<b>246</b>	<b>130</b>	<b>256</b>
PCB #77	X	X	X	X	X	X	X		X	X	X
PCB #126	X	X	X	X	X	X	X		X	X	X
PCB #169	X	X	X	X	X	X	X		X	X	X
<b>TEQ (including PCBs)</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>		<b>X</b>	<b>X</b>	<b>X</b>
Other PCBs (Optional)											
PCB #81	X	X	X	X	X	X	X		X	X	X
PCB #105	X	X	X	X	X	X	X		X	X	X
PCB #114	X	X	X	X	X	X	X		X	X	X
PCB #118	X	X	X	X	X	X	X		X	X	X
PCB #123	X	X	X	X	X	X	X		X	X	X
PCB #156	X	X	X	X	X	X	X		X	X	X
PCB #157	X	X	X	X	X	X	X		X	X	X
PCB #167	X	X	X	X	X	X	X		X	X	X
PCB #189	X	X	X	X	X	X	X		X	X	X
<b>TEQ Total</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>		<b>X</b>	<b>X</b>	<b>X</b>

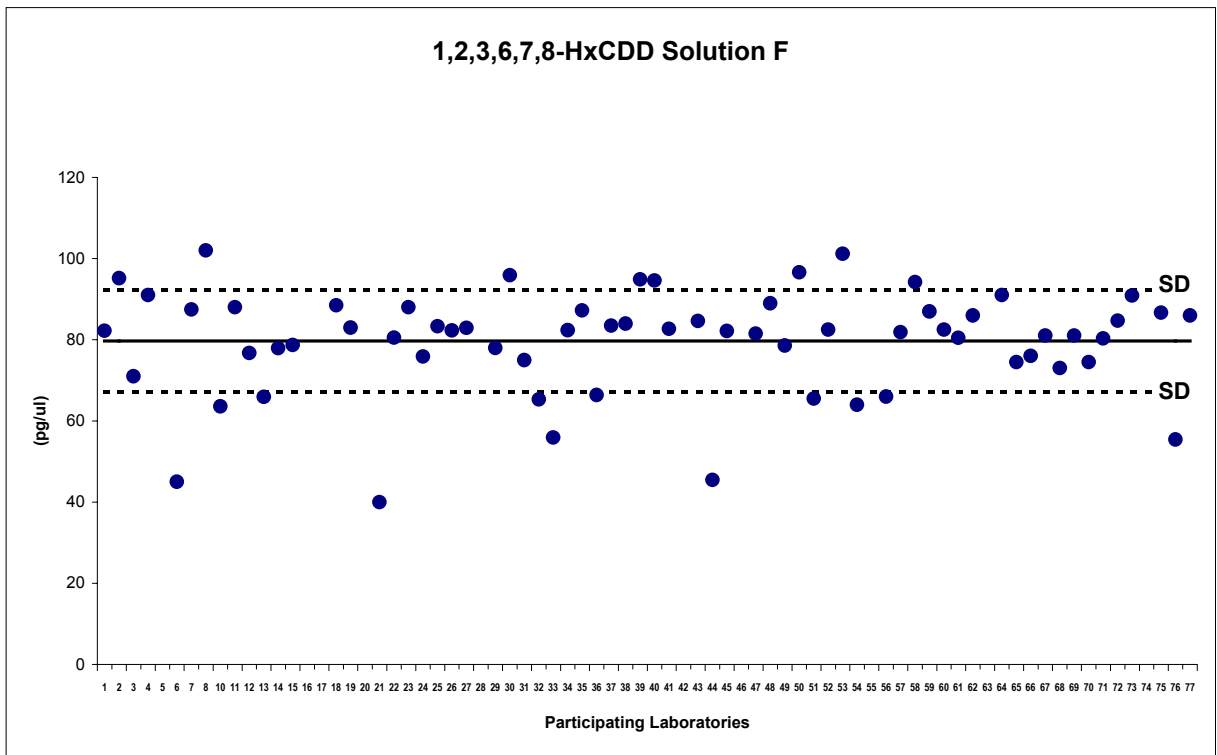
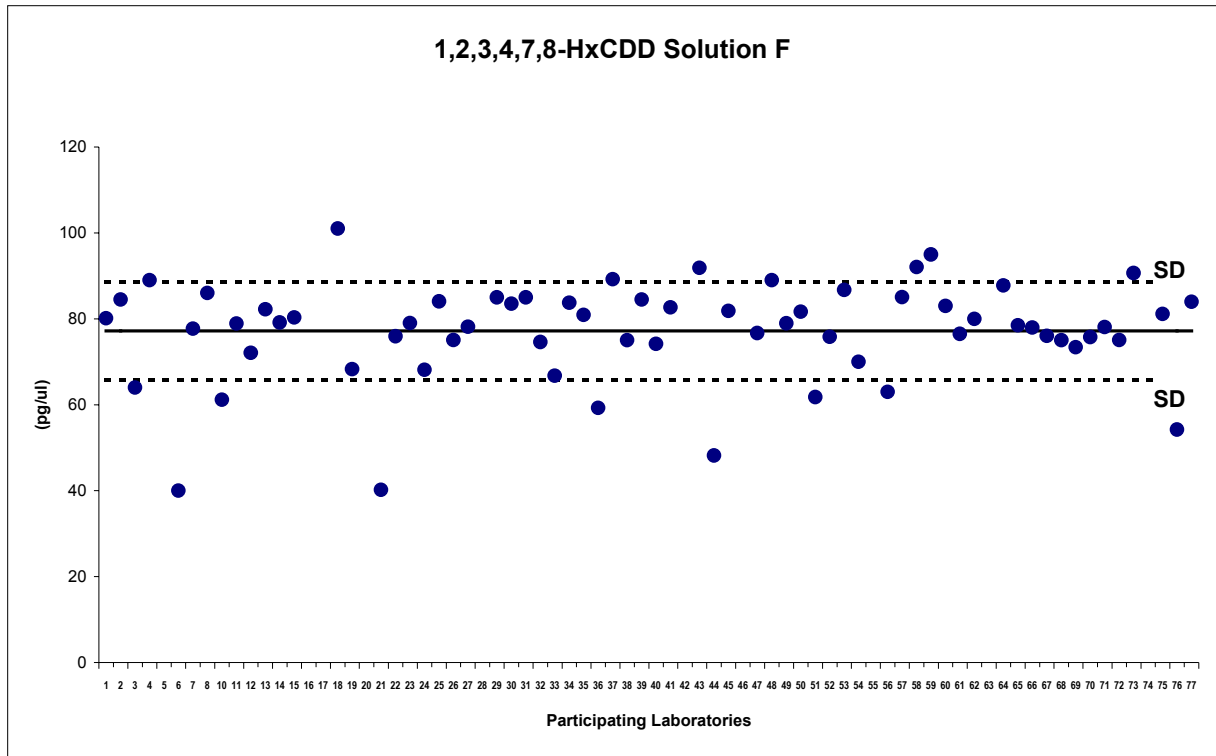
\* all values in pg/ul  
ND: not detected < than value expected  
NA: not analyzed

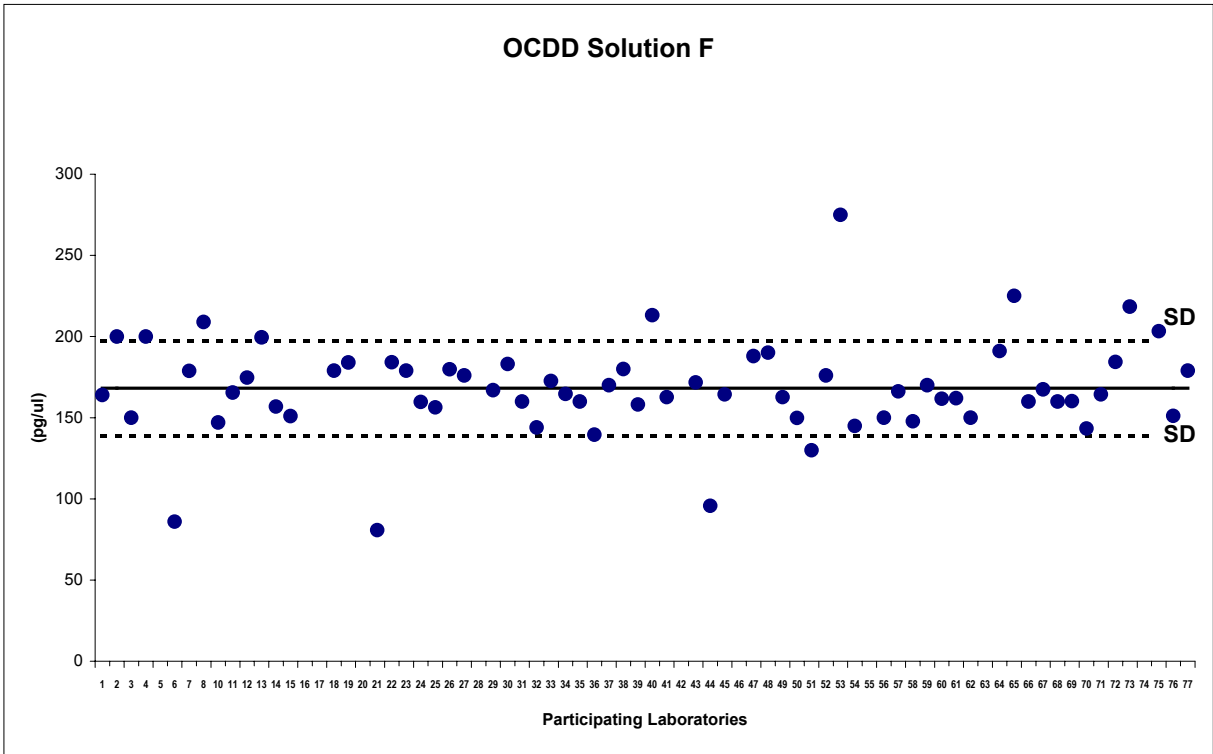
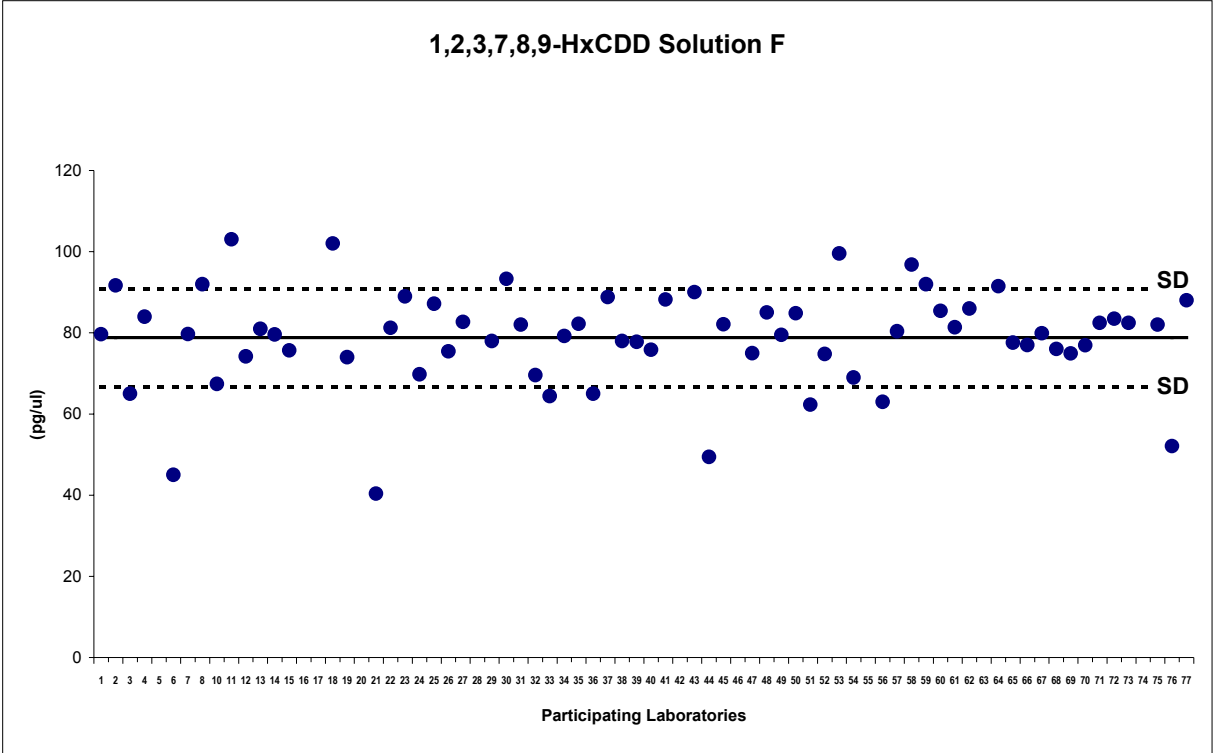
Participant code:						
Amount Analysed:						
	Average	Median	Min	Max	SD	%RSD
						WL
2,3,7,8-TeCDD	39	39	18	50	6	16%
1,2,3,7,8-PeCDD	78	78	37	100	12	16%
1,2,3,4,7,8-HxCDD	77	79	40	101	11	15%
1,2,3,6,7,8-HxCDD	80	82	40	102	13	16%
1,2,3,7,8,9-HxCDD	79	80	40	103	12	15%
1,2,3,4,6,7,8-HpCDD	161	160	74	232	26	16%
OCDD	168	165	81	275	29	17%
2,3,7,8-TeCDF	42	41	17	68	8	19%
1,2,3,7,8-PeCDF	83	84	40	155	16	19%
2,3,4,7,8-PeCDF	79	80	37	101	11	14%
1,2,3,4,7,8-HxCDF	80	81	39	100	11	14%
1,2,3,6,7,8-HxCDF	80	81	39	107	13	16%
1,2,3,7,8,9-HxCDF	79	80	40	121	14	17%
2,3,4,6,7,8-HxCDF	79	80	40	114	12	16%
1,2,3,4,6,7,8-HpCDF	161	163	78	211	27	17%
1,2,3,4,7,8,9-HpCDF	156	160	75	213	27	17%
OCDF	165	164	78	296	32	19%
<b>TEQ (PCDD/DF)</b>	<b>226</b>	<b>229</b>	<b>107</b>	<b>448</b>	<b>42</b>	<b>18%</b>
PCB #77	X	X	X	X	X	X
PCB #126	X	X	X	X	X	X
PCB #169	X	X	X	X	X	X
<b>TEQ (including PCBs)</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>
Other PCBs (Optional)						
PCB #81	X	X	X	X	X	X
PCB #105	X	X	X	X	X	X
PCB #114	X	X	X	X	X	X
PCB #118	X	X	X	X	X	X
PCB #123	X	X	X	X	X	X
PCB #156	X	X	X	X	X	X
PCB #157	X	X	X	X	X	X
PCB #167	X	X	X	X	X	X
PCB #189	X	X	X	X	X	X
<b>TEQ Total</b>						
* all values in pg/ul						
ND: not detected < than value expected						
NA: not analyzed						
						Solution F7

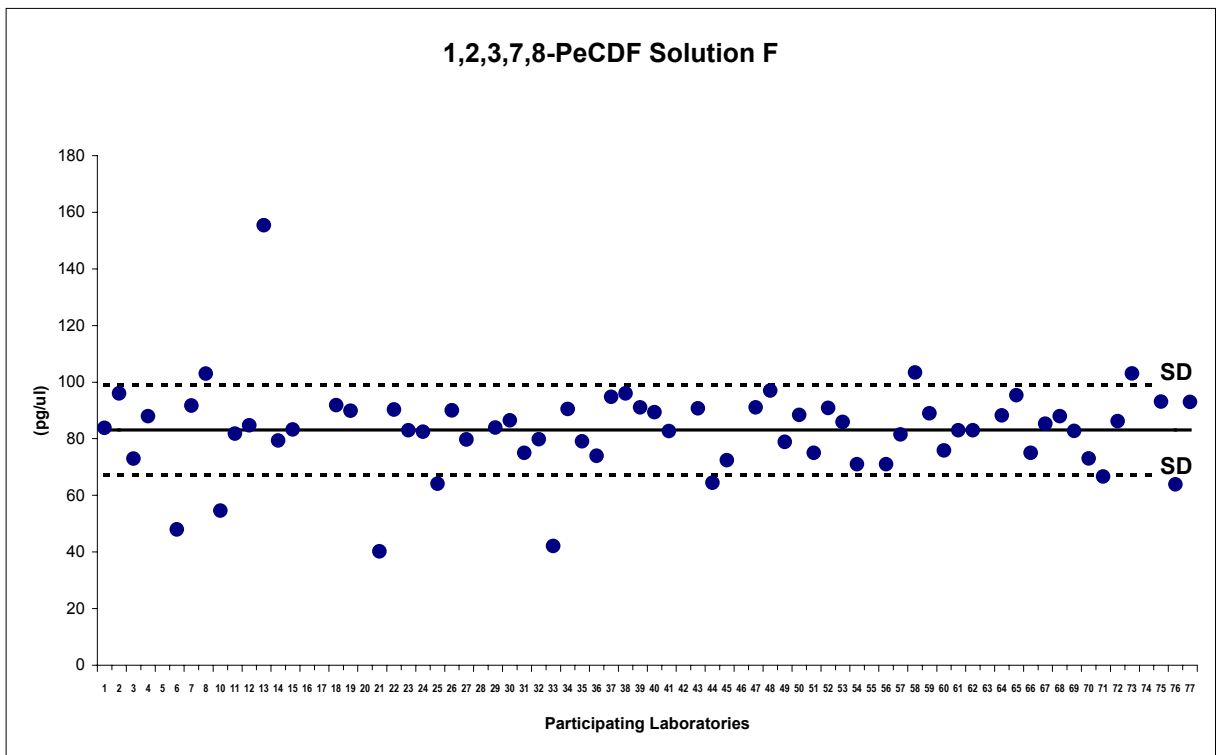
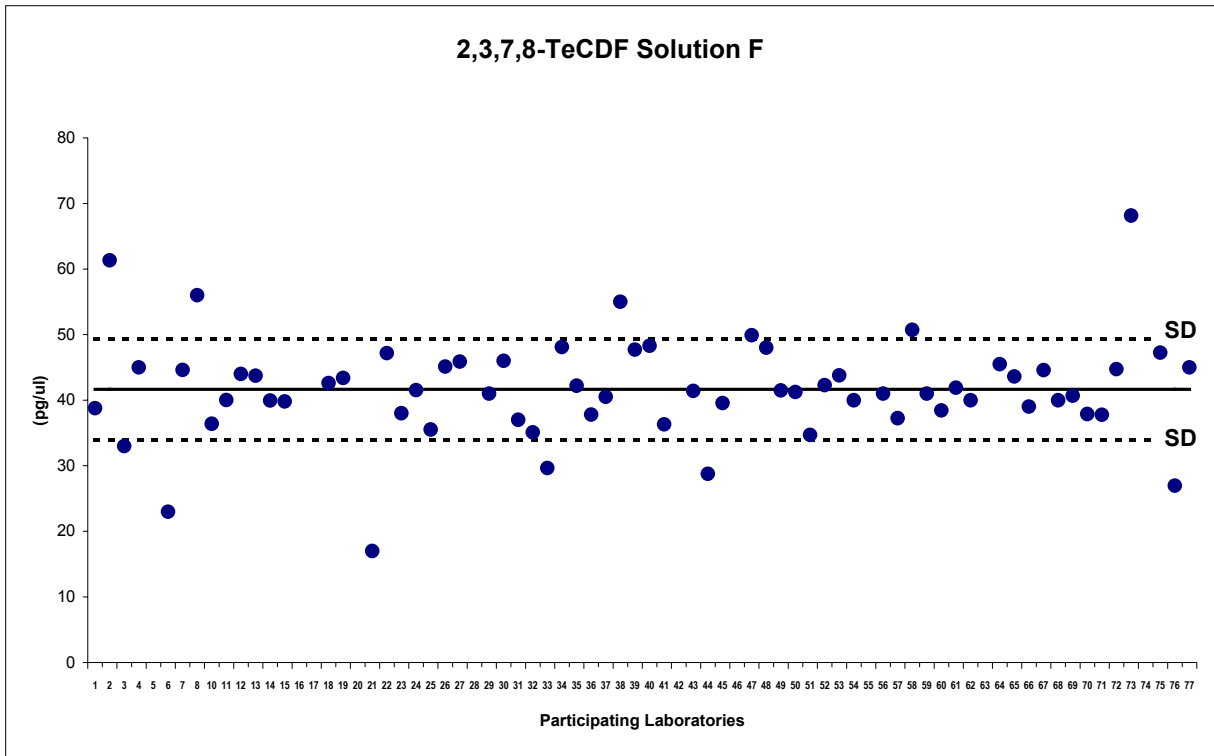


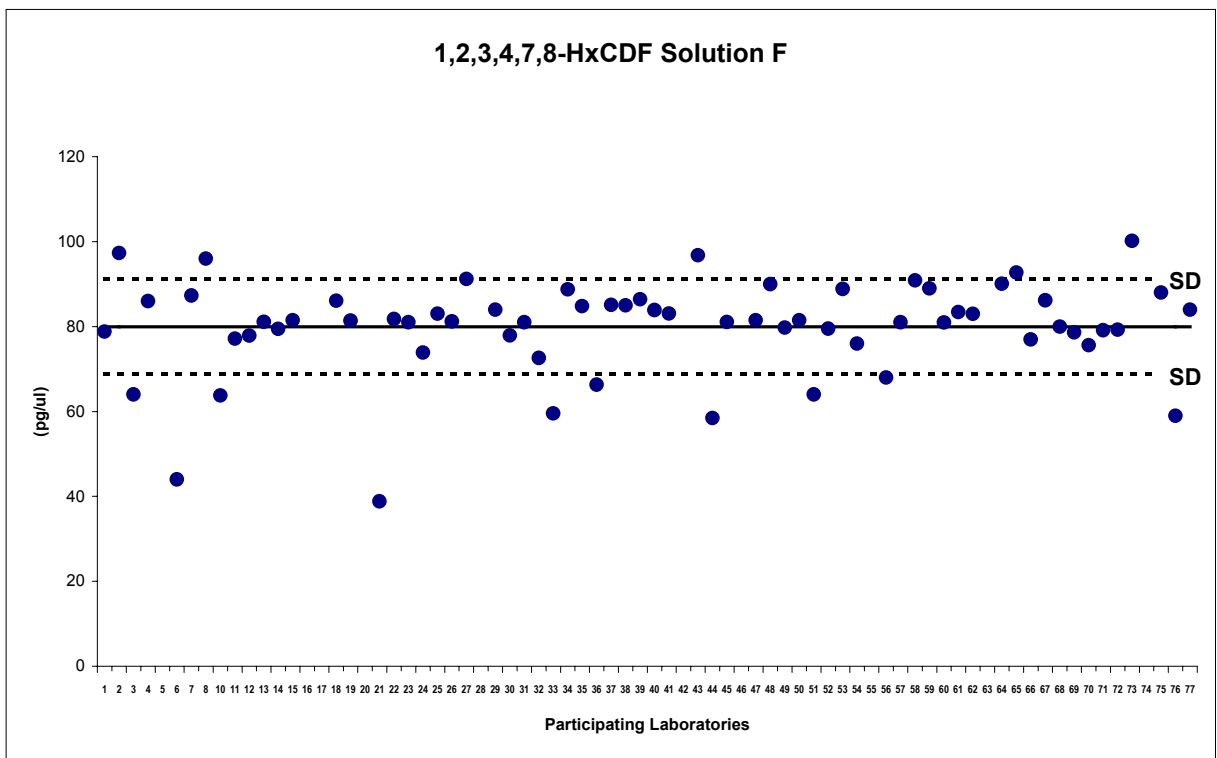
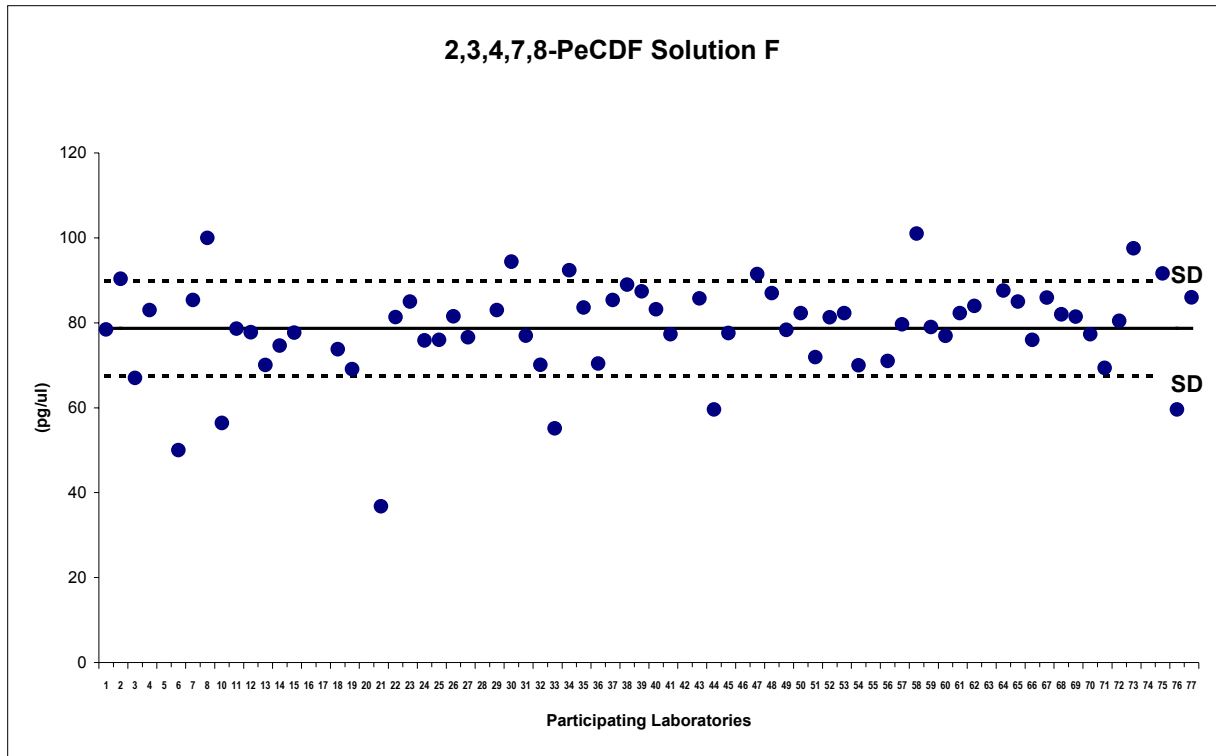


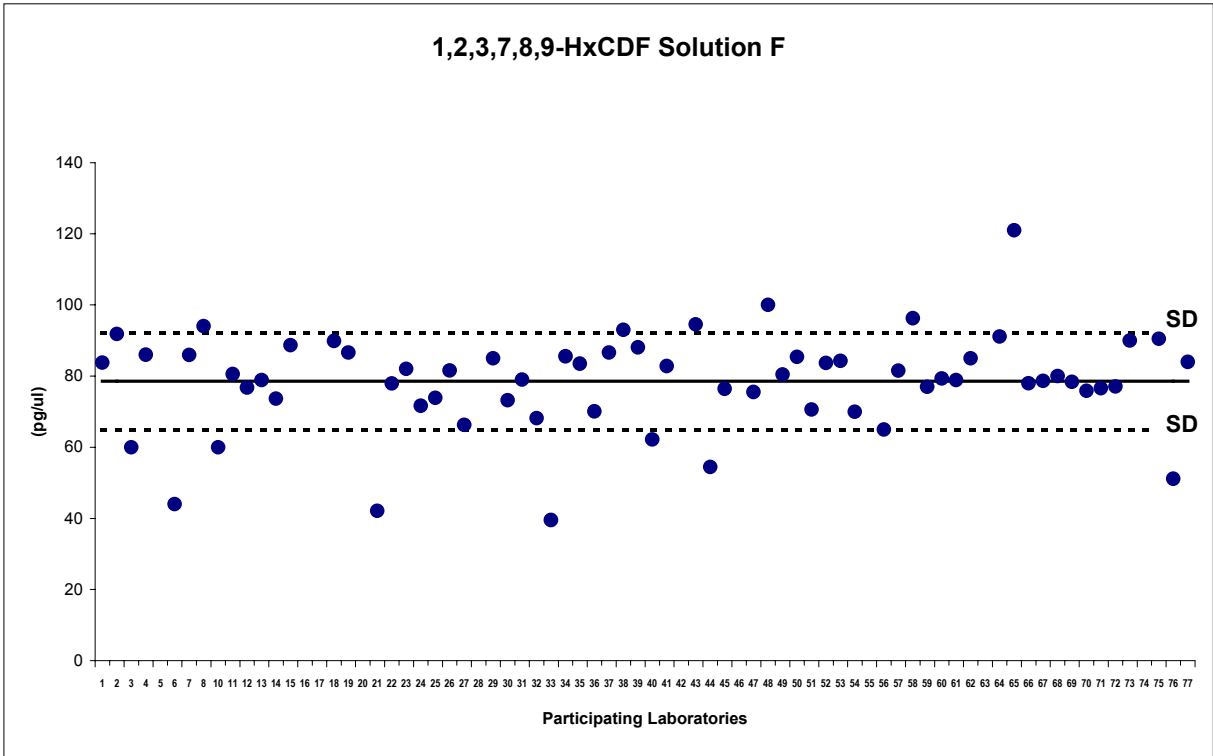
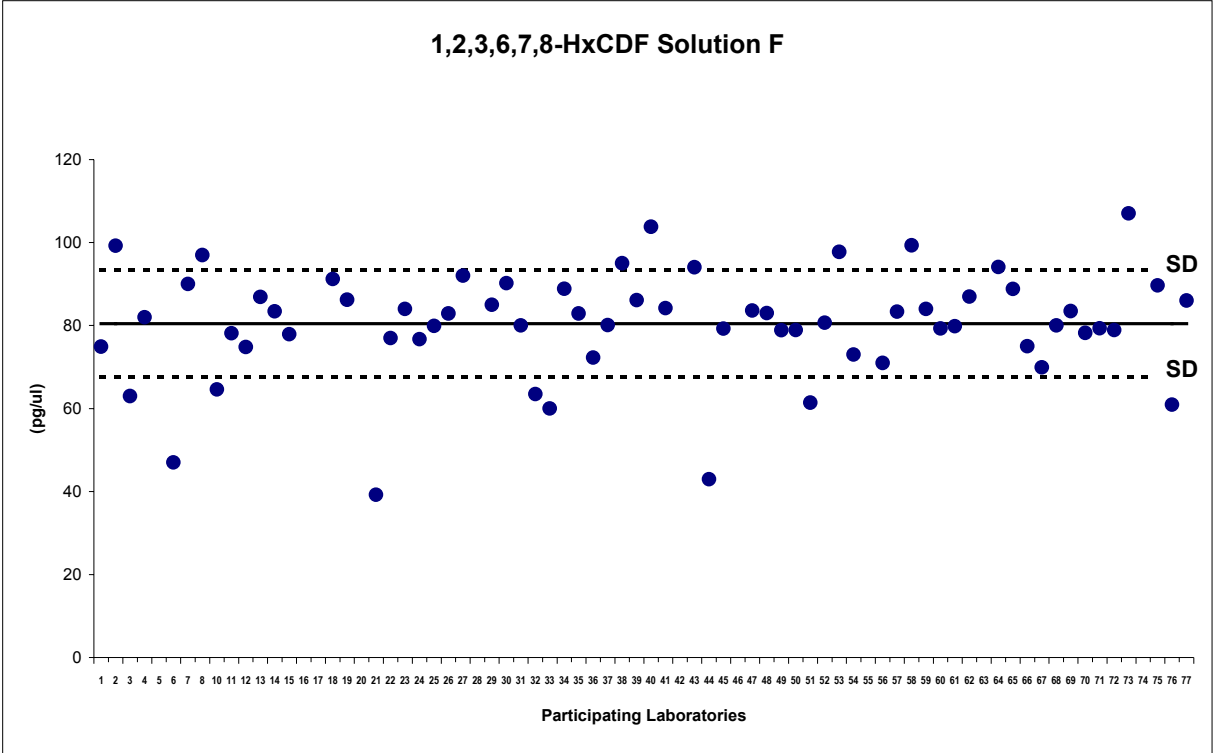


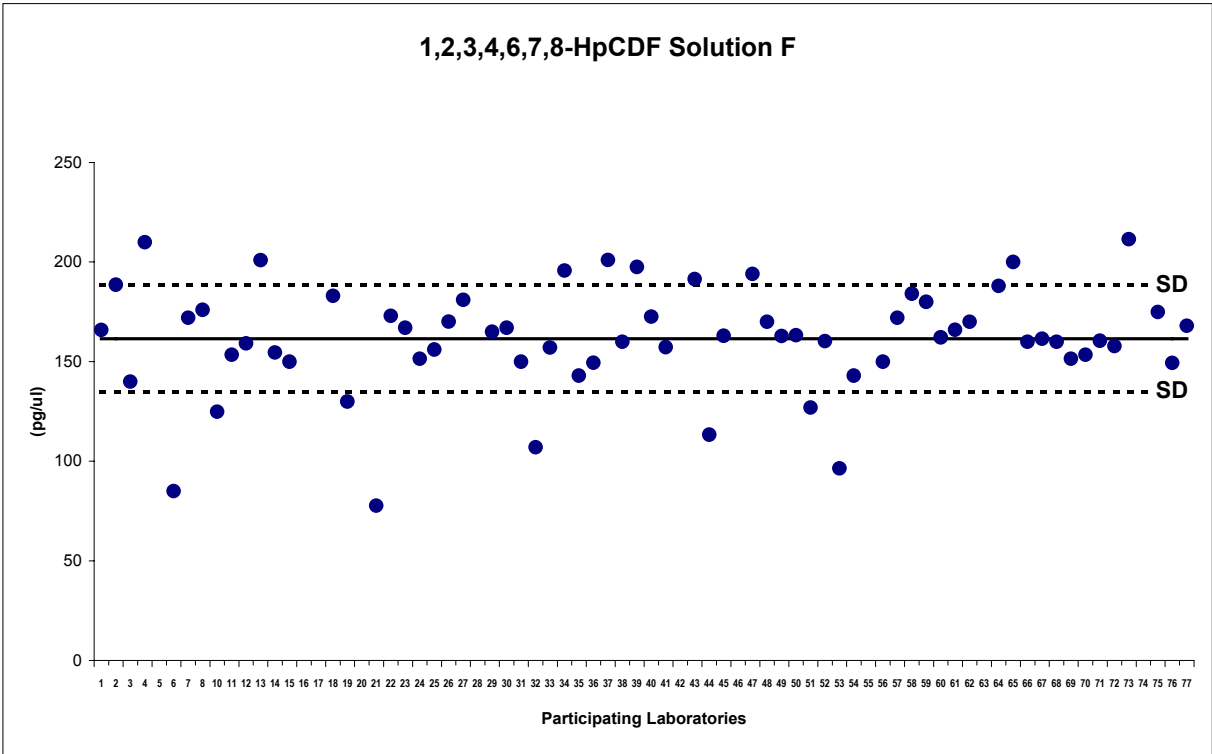
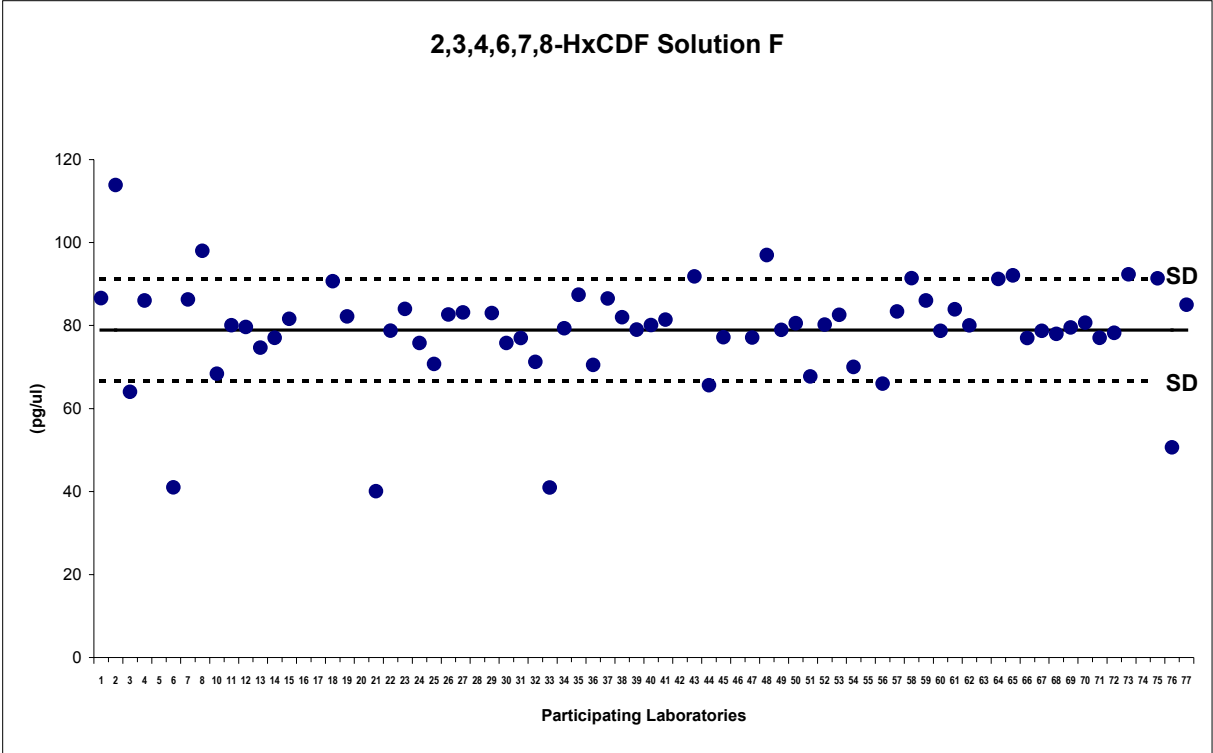




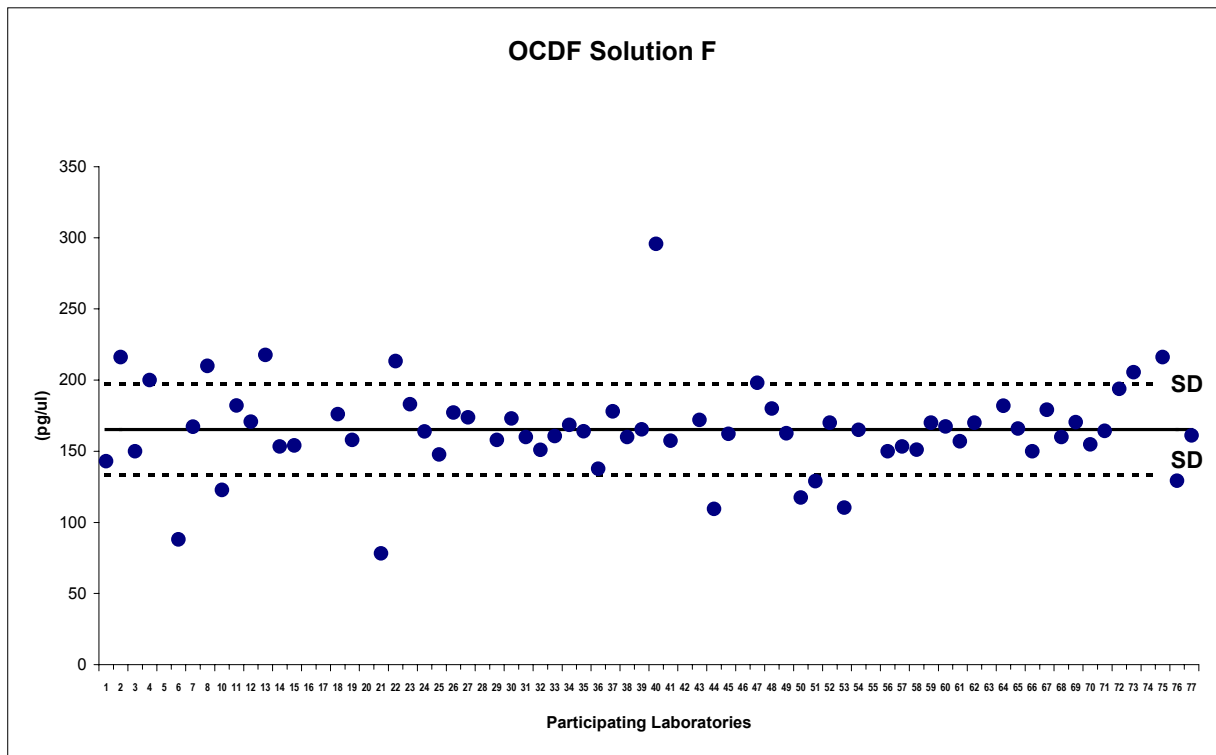
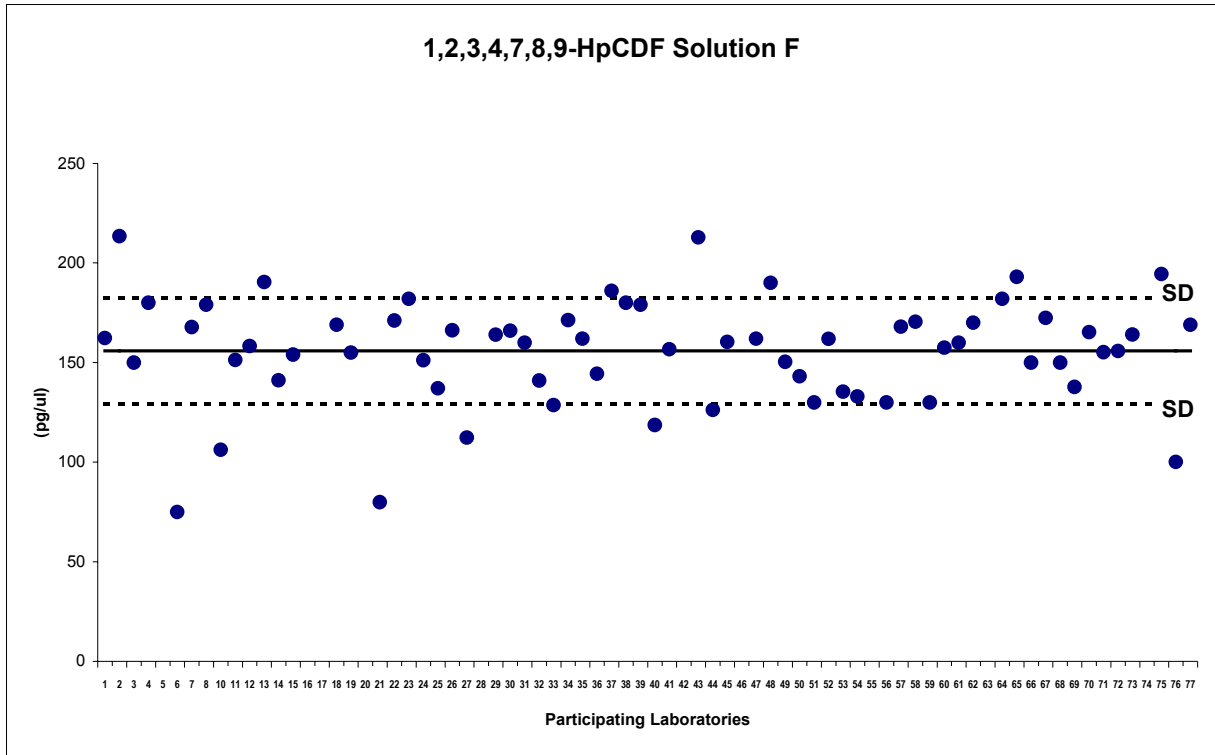












Participant code:	1	2	3	4	5	6	7	8	10	11	12	13	14
Weight Analysed:													
PCB #77	NA	NA	45	NA	30	30	42	NA	34	NA	NA	NA	37
PCB #126	NA	NA	48	NA	34	34	37	NA	34	NA	NA	NA	43
PCB #169	NA	NA	37	NA	34	34	41	NA	31	NA	NA	NA	37
<b>TEQ (including PCBs)</b>	<b>NA</b>	<b>NA</b>	<b>5.2</b>	<b>NA</b>	<b>3.7</b>	<b>3.7</b>	<b>4.2</b>	<b>NA</b>	<b>3.7</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>4.7</b>
Other PCBs (Optional)													
PCB #81	NA	NA	44	NA	32	32	35	NA	33	NA	NA	NA	37
PCB #105	NA	NA	47	NA	32	32	34	NA	32	NA	NA	NA	41
PCB #114	NA	NA	58	NA	32	32	28	NA	31	NA	NA	NA	40
PCB #118	NA	NA	47	NA	35	35	32	NA	34	NA	NA	NA	40
PCB #123	NA	NA	49	NA	30	30	32	NA	29	NA	NA	NA	41
PCB #156	NA	NA	39	NA	35	35	33	NA	30	NA	NA	NA	40
PCB #157	NA	NA	40	NA	33	33	34	NA	32	NA	NA	NA	41
PCB #167	NA	NA	40	NA	40	40	29	NA	30	NA	NA	NA	39
PCB #189	NA	NA	68	NA	32	32	41	NA	32	NA	NA	NA	40
<b>TEQ Total</b>	<b>NA</b>	<b>NA</b>	<b>5.3</b>	<b>NA</b>	<b>3.8</b>	<b>3.8</b>	<b>4.2</b>	<b>NA</b>	<b>3.8</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>4.7</b>
* all values in pg/ul													
ND: not detected < than value expected													
NA: not analyzed													

Participant code:	15	16	17	18	19	20	21	22	23	24	25	26	27
Weight Analysed:													
PCB #77	42	N.A	41	40	41		NA	33	33	40	38	36	49
PCB #126	42	N.A	41	39	41		NA	39	24	41	35	37	46
PCB #169	37	N.A	39	37	39		NA	36	29	38	34	29	38
<b>TEQ (including PCBs)</b>	<b>4.6</b>	<b>NA</b>	<b>4.5</b>	<b>4.3</b>	<b>4.5</b>		<b>NA</b>	<b>4.3</b>	<b>2.7</b>	<b>4.5</b>	<b>3.9</b>	<b>4.0</b>	<b>5.0</b>
Other PCBs (Optional)													
PCB #81	42	N.A	35	39	35		NA	34	28	42	38	36	49
PCB #105	43	N.A	39	40	39		NA	39	31	40	37	39	46
PCB #114	43	N.A	34	39	34		NA	39	29	44	36	57	45
PCB #118	43	N.A	39	40	39		NA	39	31	39	37	29	45
PCB #123	43	N.A	39	40	39		NA	38	30	40	38	38	44
PCB #156	41	N.A	38	40	38		NA	38	29	39	36	34	38
PCB #157	40	N.A	37	39	37		NA	17	30	40	35	34	37
PCB #167	38	N.A	41	38	41		NA	42	31	39	35	35	38
PCB #189	43	N.A	44	40	44		NA	40	29	41	36	39	39
<b>TEQ Total</b>	<b>4.7</b>	<b>NA</b>	<b>4.6</b>	<b>4.4</b>	<b>4.6</b>		<b>NA</b>	<b>4.4</b>	<b>2.8</b>	<b>4.6</b>	<b>4.0</b>	<b>4.0</b>	<b>5.1</b>
* all values in pg/ul													
ND: not detected < than value expected													
NA: not analyzed													

Participant code:	28	29	30	31	32	33	34	35	36	37	38	39	40
Weight Analysed:													
PCB #77	NA	40	40	36	39	36	40	41	NA	34	39	48	44
PCB #126	NA	40	40	36	40	32	42	42	NA	35	41	46	41
PCB #169	NA	39	39	35	38	34	40	40	NA	35	41	41	41
<b>TEQ (including PCBs)</b>	<b>NA</b>	<b>4.4</b>	<b>4.0</b>	<b>4.0</b>	<b>4.3</b>	<b>3.6</b>	<b>4.6</b>	<b>4.6</b>	<b>NA</b>	<b>3.8</b>	<b>4.6</b>	<b>5.0</b>	<b>4.6</b>
Other PCBs (Optional)													
PCB #81	NA	43	43	35	39	NA	41	40	NA	40	39	51	40
PCB #105	NA	41	41	35	40	NA	NA	38	NA	36	46	45	39
PCB #114	NA	43	43	36	40	NA	NA	37	NA	35	45	46	39
PCB #118	NA	41	41	36	39	NA	NA	39	NA	39	46	46	38
PCB #123	NA	42	42	38	40	NA	NA	36	NA	36	45	45	39
PCB #156	NA	41	41	36	40	NA	NA	42	NA	37	42	43	43
PCB #157	NA	42	42	37	40	NA	NA	37	NA	36	41	43	40
PCB #167	NA	41	41	35	38	NA	NA	38	NA	36	39	44	41
PCB #189	NA	41	41	37	39	NA	NA	44	NA	35	41	42	41
<b>TEQ Total</b>	<b>NA</b>	<b>4.5</b>	<b>4.0</b>	<b>4.0</b>	<b>4.4</b>	<b>NA</b>	<b>NA</b>	<b>4.7</b>	<b>NA</b>	<b>3.9</b>	<b>4.6</b>	<b>5.1</b>	<b>4.6</b>
* all values in pg/ul													
ND: not detected < than value expected													
NA: not analyzed													

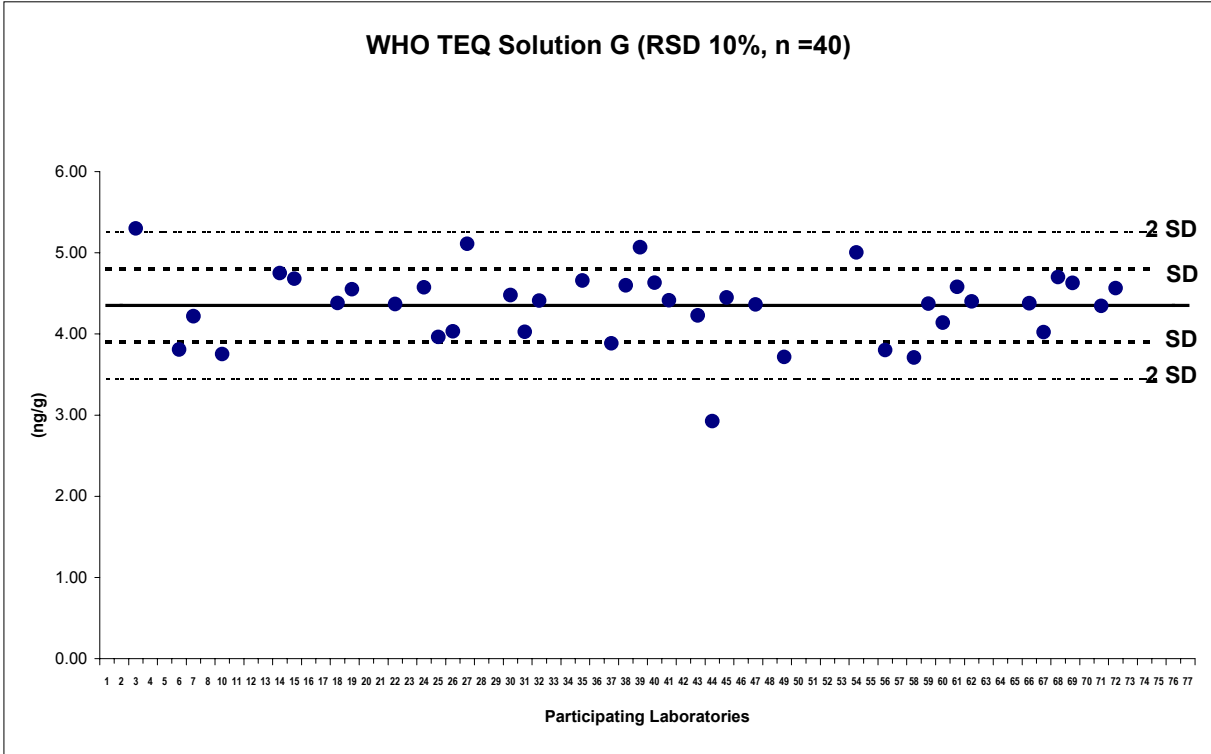
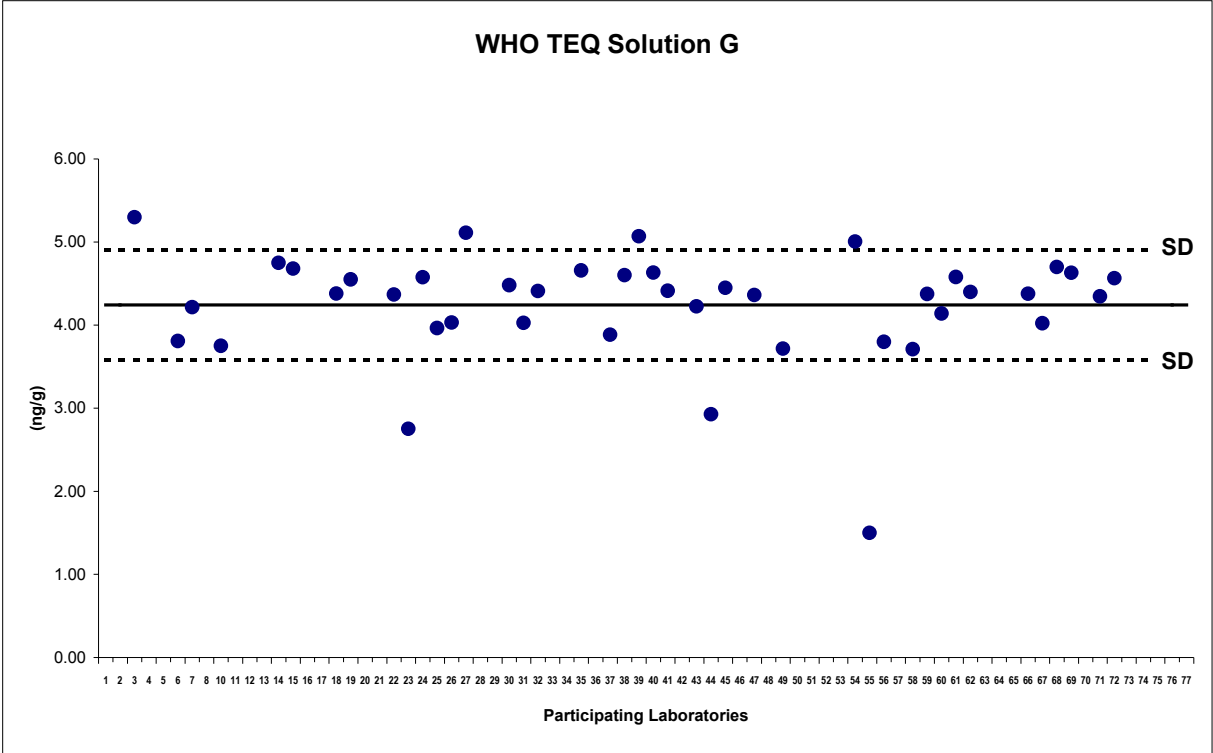
Participant code:	41	42	43	44	45	46	47	48	49	50	51	52	53
Weight Analysed:													
PCB #77	32	35	29	38	35	42	26	37	NA	40	38	38	38
PCB #126	40	38	27	40	39	43	33	31	NA	40	25	25	25
PCB #169	33	35	24	38	39	41	30	29	NA	38	41	41	41
<b>TEQ (including PCBs)</b>	<b>4.3</b>	<b>4.2</b>	<b>2.9</b>	<b>4.4</b>	<b>4.3</b>	<b>4.3</b>	<b>3.6</b>	<b>3.4</b>	<b>NA</b>	<b>4.4</b>	<b>2.9</b>	<b>4.4</b>	<b>2.9</b>
Other PCBs (Optional)													
PCB #81	30	35	30	38	40	NA	29	NA	NA	NA	NA	NA	NA
PCB #105	37	34	29	38	36	NA	37	NA	NA	NA	NA	NA	NA
PCB #114	28	33	22	37	48	NA	41	NA	NA	NA	NA	NA	NA
PCB #118	33	33	22	37	47	NA	35	NA	NA	NA	NA	NA	NA
PCB #123	31	31	24	37	34	NA	35	NA	NA	NA	NA	NA	NA
PCB #156	39	34	32	39	45	NA	43	NA	NA	NA	NA	NA	NA
PCB #157	34	31	27	39	39	NA	35	NA	NA	NA	NA	NA	NA
PCB #167	32	36	25	37	41	NA	36	NA	NA	NA	NA	NA	NA
PCB #189	35	32	25	40	37	NA	44	NA	NA	NA	NA	NA	NA
<b>TEQ Total</b>	<b>4.4</b>	<b>4.2</b>	<b>2.9</b>	<b>4.5</b>	<b>4.4</b>	<b>NA</b>	<b>3.7</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>
* all values in pg/lul													
ND: not detected < than value expected													
NA: not analyzed													

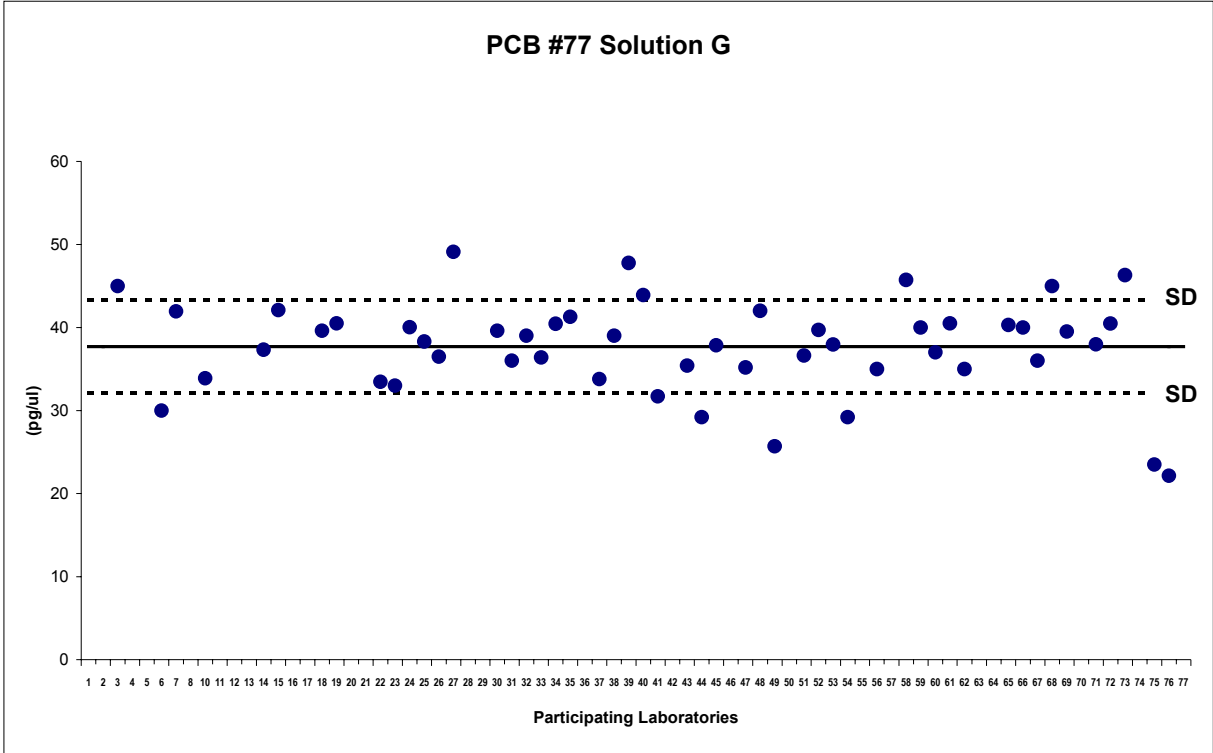
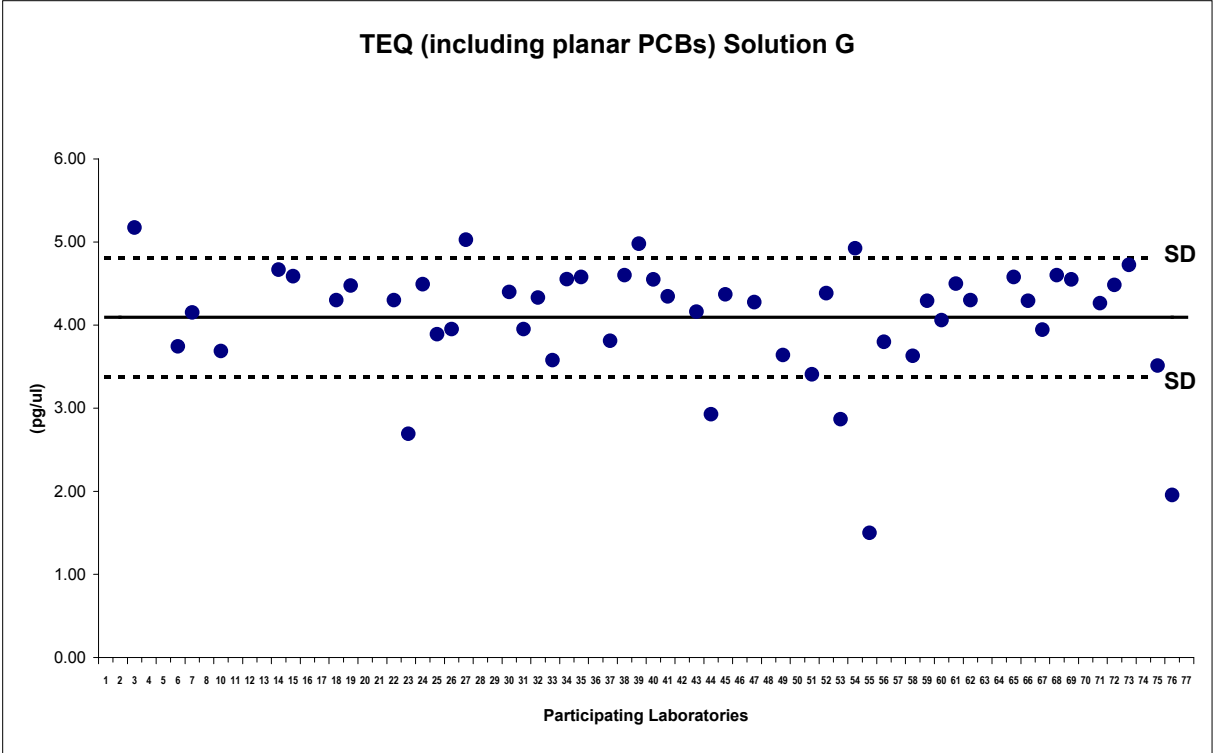
Participant code:	54	55	56	57	58	59	60	61	62	63	64	65	66
Weight Analysed:													
PCB #77	29	35	35	46	40	40	37	41	35	NA	NA	40	40
PCB #126	46	33	33	32	39	39	37	41	40	NA	NA	42	39
PCB #169	31	38	38	38	39	39	36	37	37	NA	NA	43	39
<b>TEQ (including PCBs)</b>	<b>4.9</b>	<b>1.5</b>	<b>3.8</b>	<b>3.6</b>	<b>4.3</b>	<b>4.3</b>	<b>4.1</b>	<b>4.5</b>	<b>4.3</b>	<b>NA</b>	<b>NA</b>	<b>4.6</b>	<b>4.3</b>
Other PCBs (Optional)													
PCB #81	16	34	34	39	40	40	37	40	38	NA	NA	NA	39
PCB #105	38	31	31	37	40	40	40	42	38	NA	NA	NA	41
PCB #114	46	38	38	28	39	39	41	43	41	NA	NA	NA	44
PCB #118	33	38	38	37	42	42	40	40	39	NA	NA	NA	42
PCB #123	NA	36	36	43	38	38	40	41	37	NA	NA	NA	43
PCB #156	48	38	38	48	43	43	39	40	42	NA	NA	NA	41
PCB #157	43	38	38	41	38	38	39	40	39	NA	NA	NA	41
PCB #167	25	39	39	41	43	43	39	39	39	NA	NA	NA	39
PCB #189	32	41	41	57	40	40	41	40	39	NA	NA	NA	41
<b>TEQ Total</b>	<b>5.0</b>	<b>1.5</b>	<b>3.8</b>	<b>3.7</b>	<b>4.4</b>	<b>4.4</b>	<b>4.1</b>	<b>4.6</b>	<b>4.4</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>4.4</b>
* all values in pg/ul													
ND: not detected < than value expected													
NA: not analyzed													

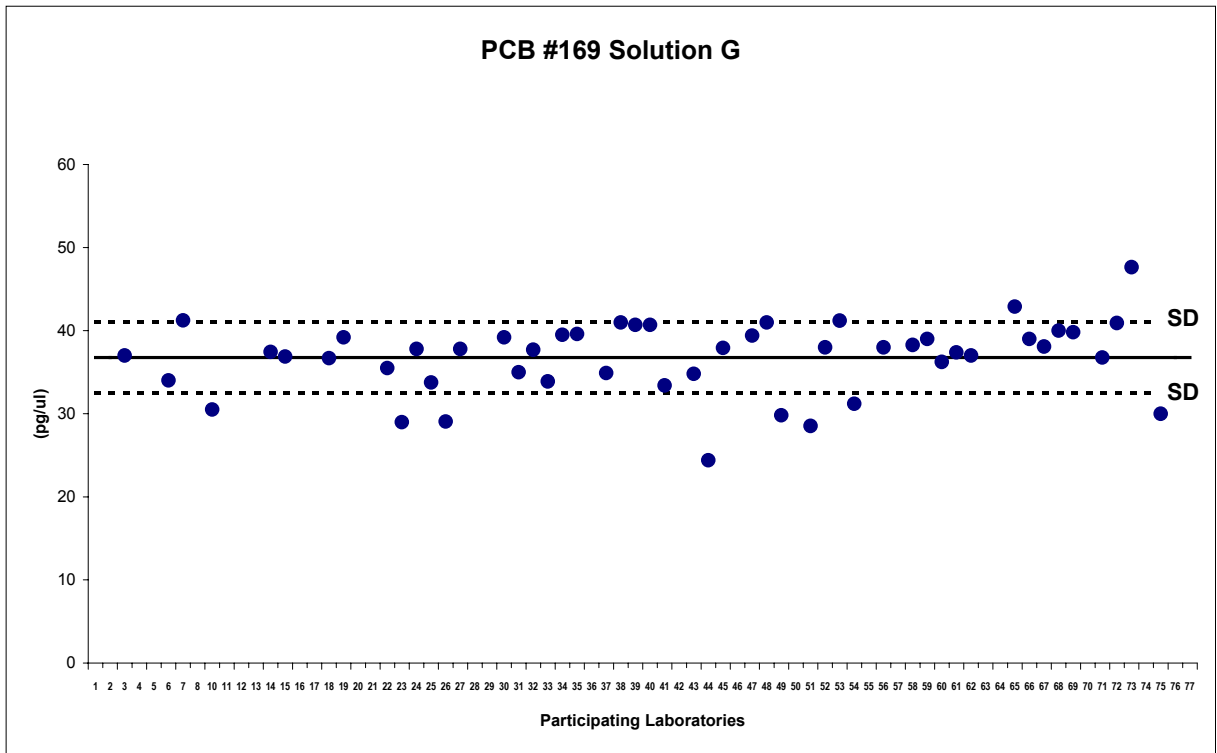
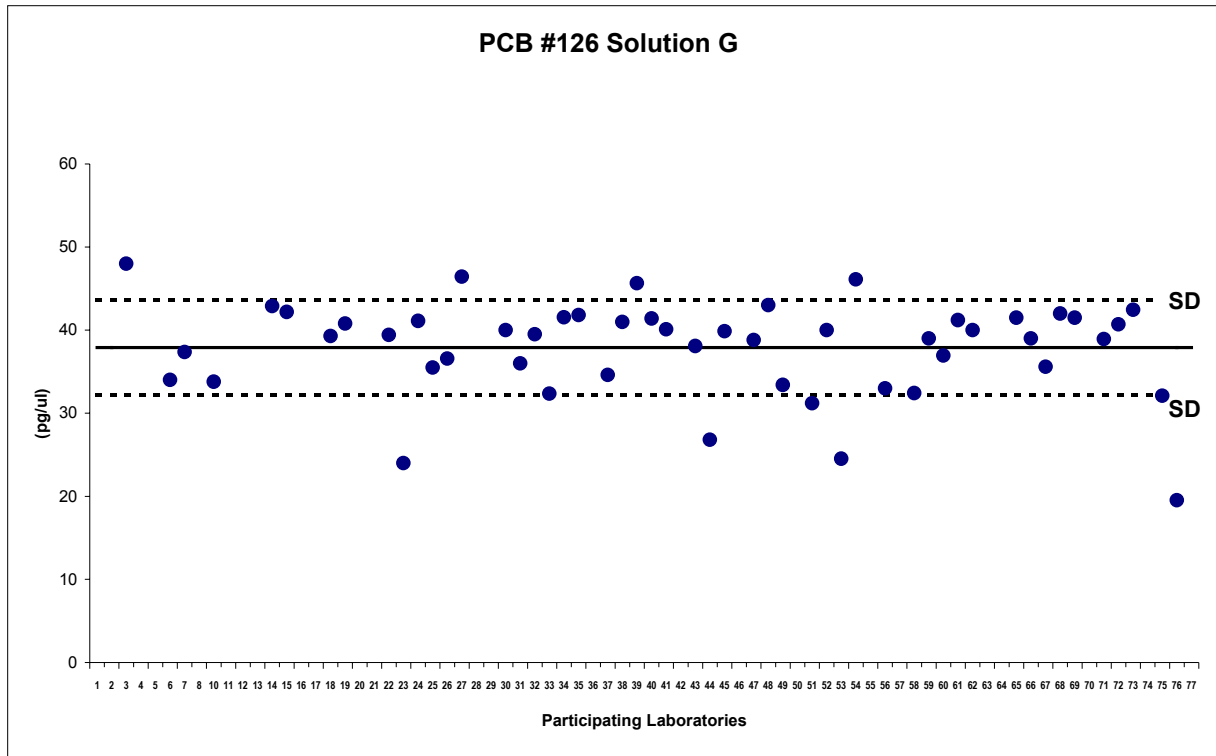
Participant code:	67	68	69	70	71	72	73	74	75	76	77
Weight Analysed:		*									
PCB #77	36	45	40	NA	38	40	46		23	22	NA
PCB #126	36	42	41	NA	39	41	42		32	20	NA
PCB #169	38	40	40	NA	37	41	48		30	NA	NA
<b>TEQ (including PCBs)</b>	<b>3.9</b>	<b>4.6</b>	<b>4.6</b>	<b>NA</b>	<b>4.3</b>	<b>4.5</b>	<b>4.7</b>		<b>3.5</b>	<b>2.0</b>	<b>NA</b>
Other PCBs (Optional)											
PCB #81	35	40	39	NA	39	41	NA		NA	NA	NA
PCB #105	42	38	41	NA	39	41	NA		NA	NA	NA
PCB #114	42	42	39	NA	46	40	NA		NA	NA	NA
PCB #118	42	41	39	NA	42	41	NA		NA	NA	NA
PCB #123	39	40	39	NA	37	41	NA		NA	NA	NA
PCB #156	38	39	38	NA	38	41	NA		NA	NA	NA
PCB #157	37	42	40	NA	37	41	NA		NA	NA	NA
PCB #167	39	43	38	NA	39	41	NA		NA	NA	NA
PCB #189	39	37	40	NA	39	43	NA		NA	NA	NA
<b>TEQ Total</b>	<b>4.0</b>	<b>4.7</b>	<b>4.6</b>	<b>NA</b>	<b>4.3</b>	<b>4.6</b>	<b>NA</b>		<b>NA</b>	<b>NA</b>	<b>NA</b>
* all values in pg/ul											
ND: not detected < than value expected											
NA: not analyzed											

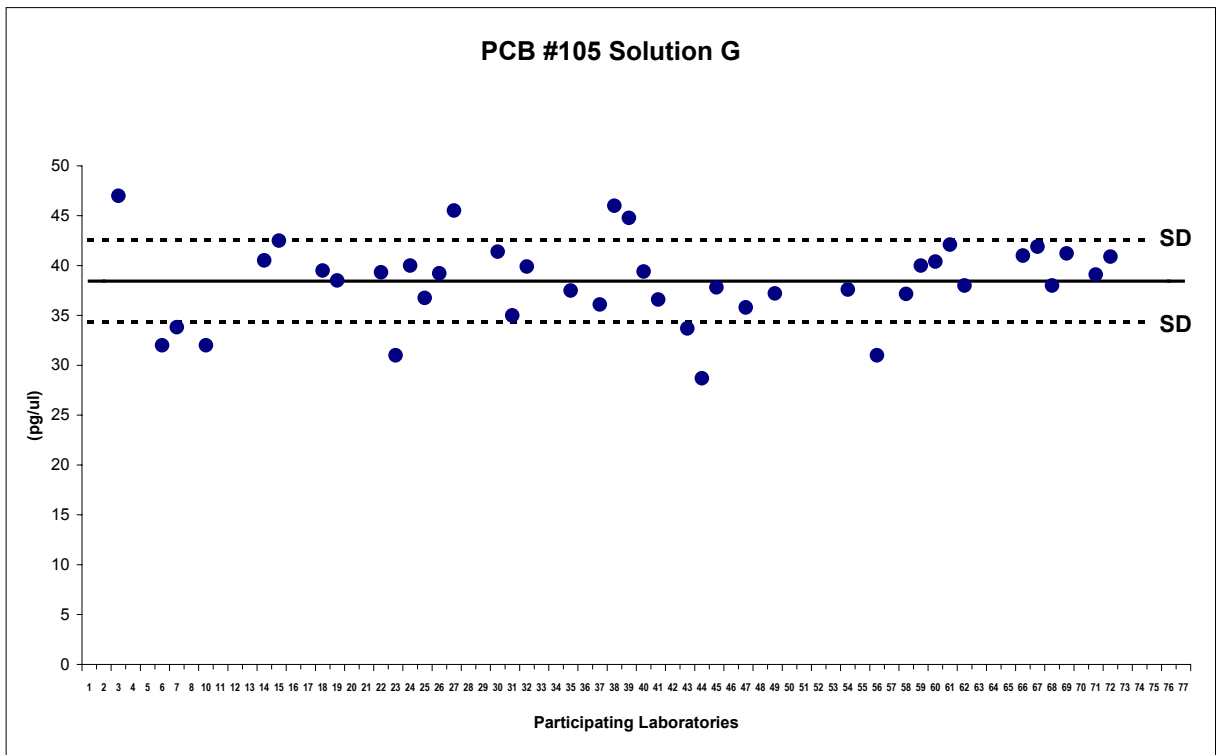
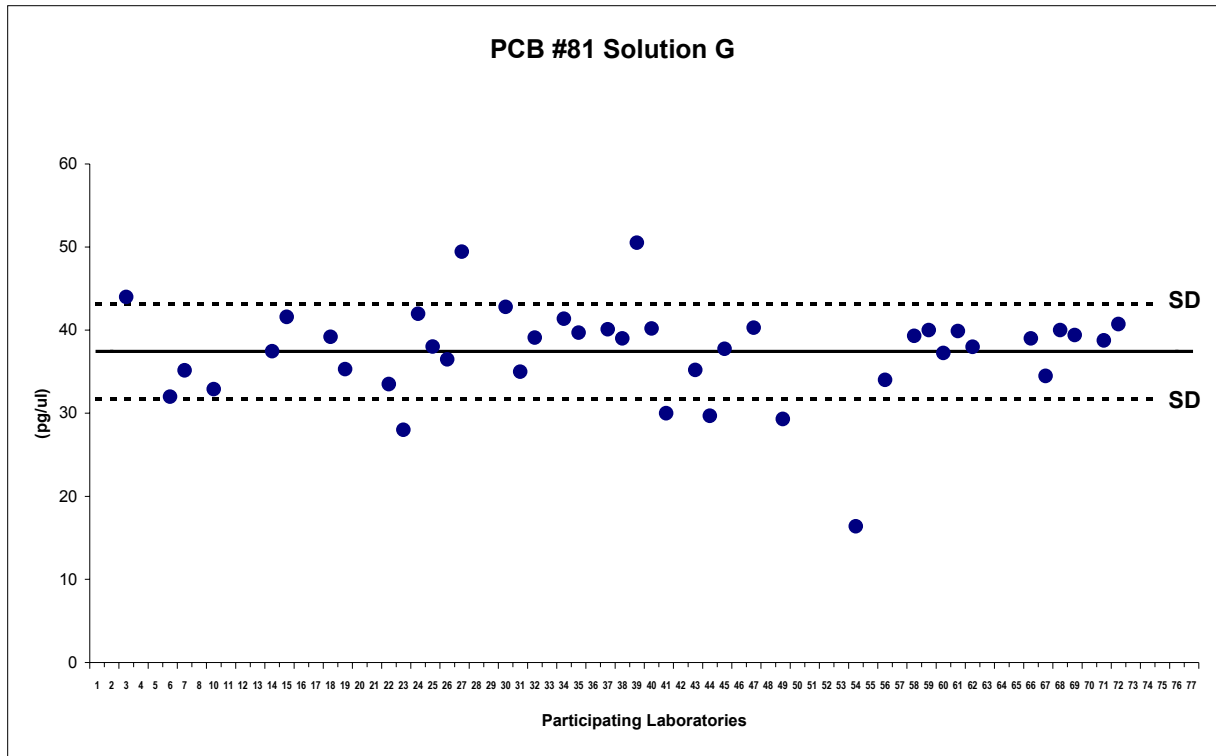
Participant code:						
Weight Analysed:						
	Average	Median	Min	Max	SD	%RSD
						WL
PCB #77	38	38	22	49	6	15%
PCB #126	38	39	20	48	6	15%
PCB #169	37	38	24	48	4	12%
<b>TEQ (including PCBs)</b>	<b>4.1</b>	<b>4.3</b>	<b>1.5</b>	<b>5.2</b>	<b>0.7</b>	<b>17%</b>
Other PCBs (Optional)						
PCB #81	37	39	16	51	6	15%
PCB #105	38	39	29	47	4	11%
PCB #114	39	40	22	58	7	18%
PCB #118	39	39	22	47	5	13%
PCB #123	38	38	24	49	5	13%
PCB #156	39	39	29	48	4	10%
PCB #157	37	39	17	43	5	13%
PCB #167	37	39	25	44	4	12%
PCB #189	40	40	25	68	7	17%
<b>TEQ Total</b>	<b>4.2</b>	<b>4.4</b>	<b>1.5</b>	<b>5.3</b>	<b>0.7</b>	<b>16%</b>
* all values in pg/ul						
ND: not detected < than value expected						
NA: not analyzed						

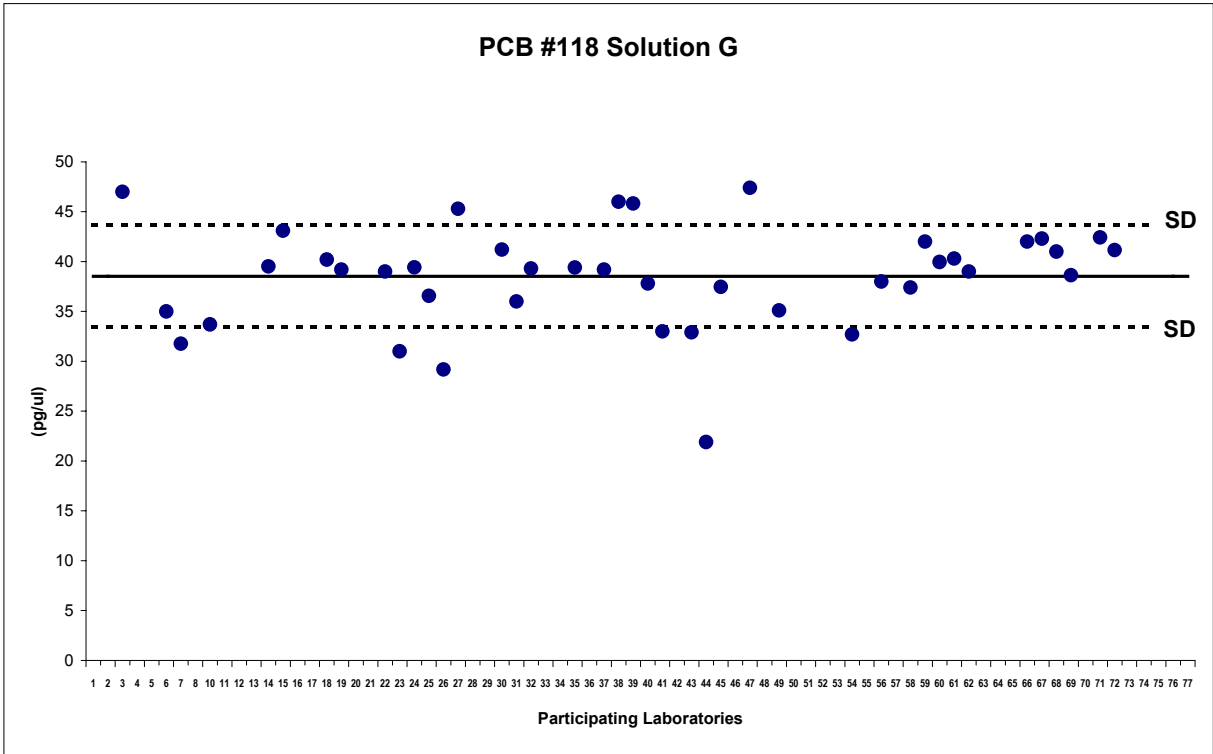
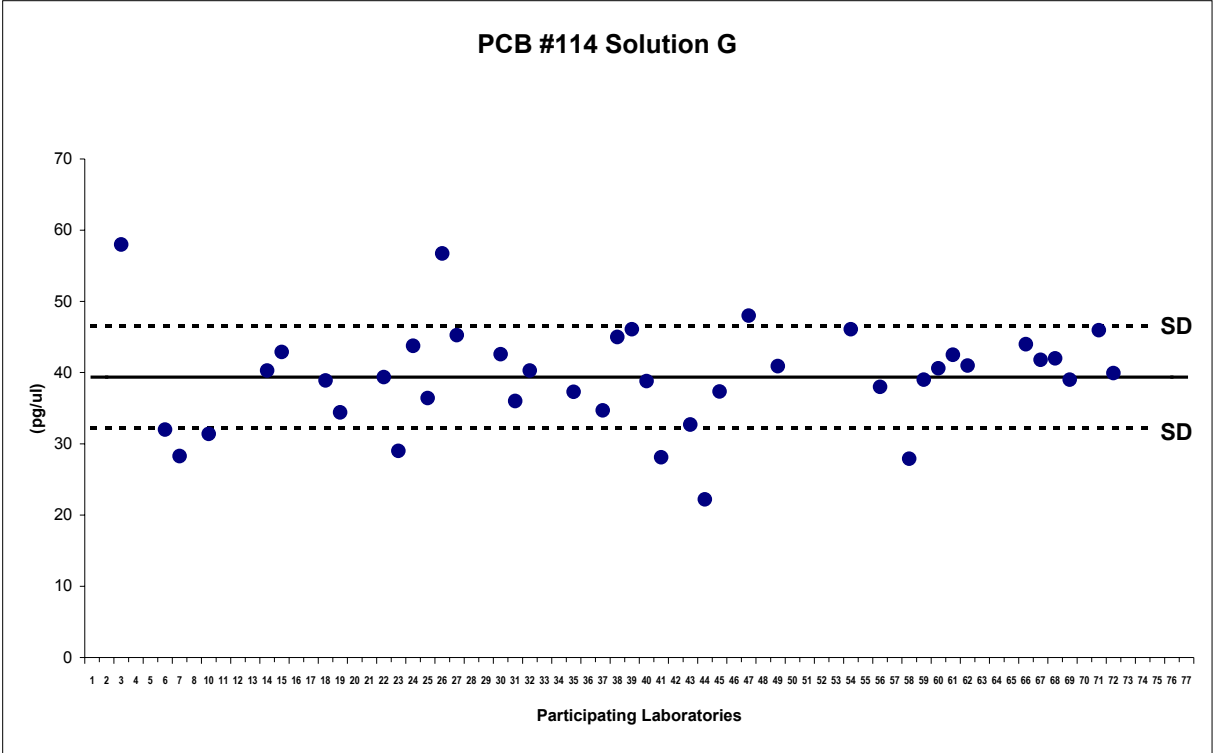


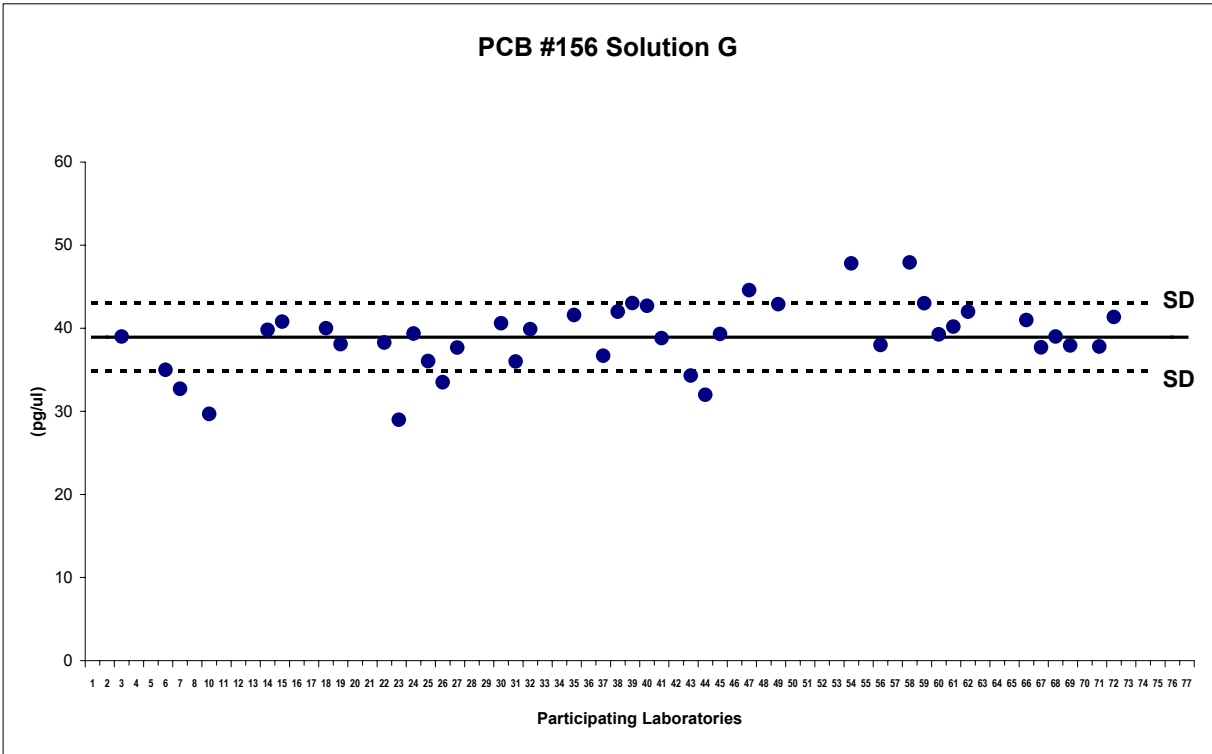
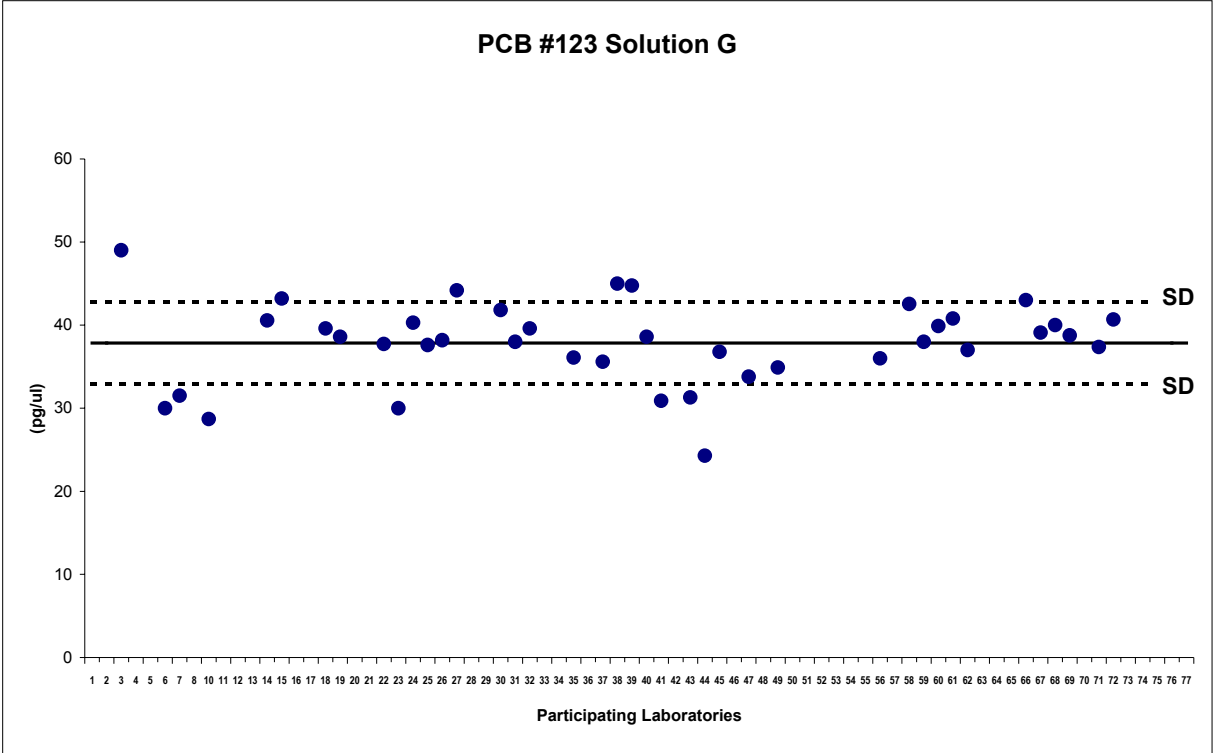


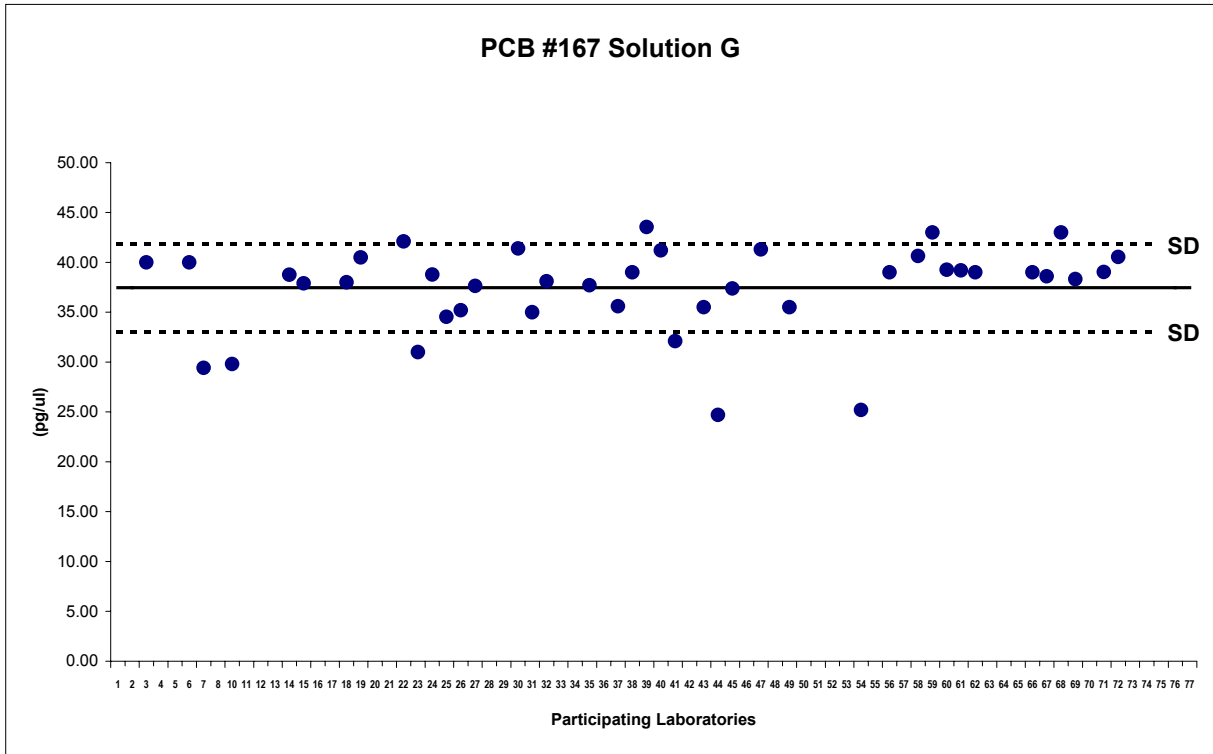
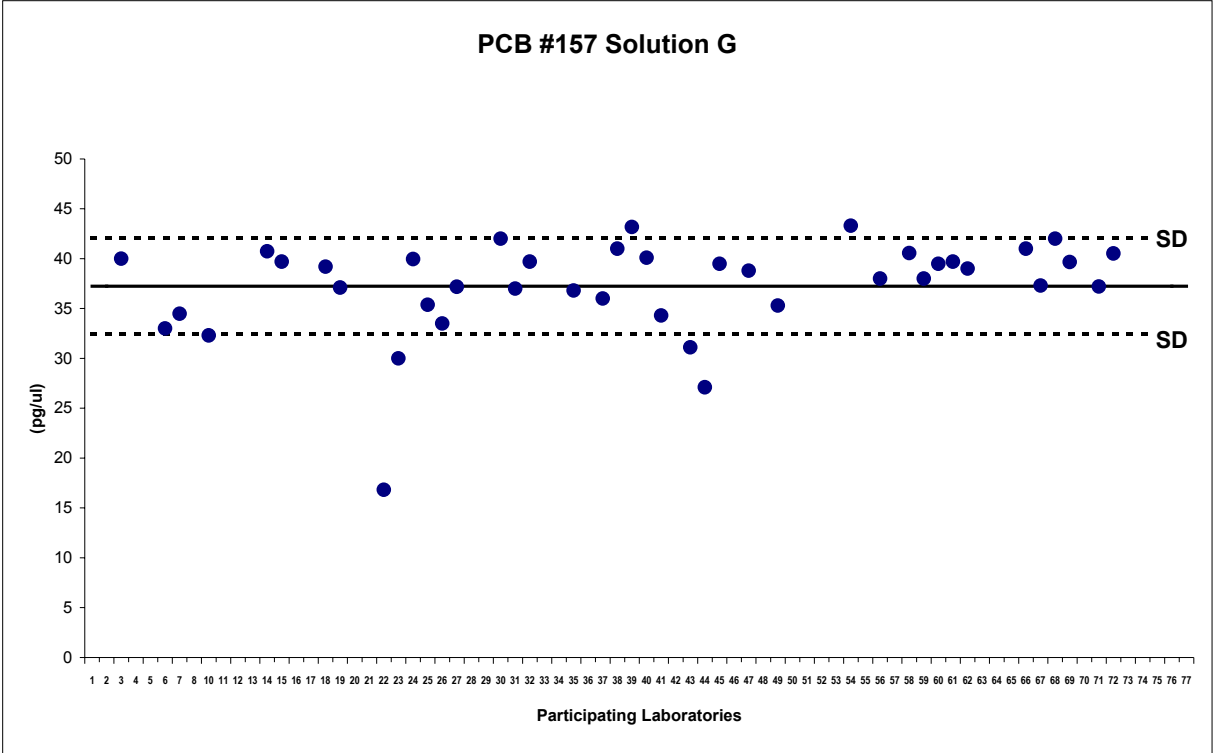




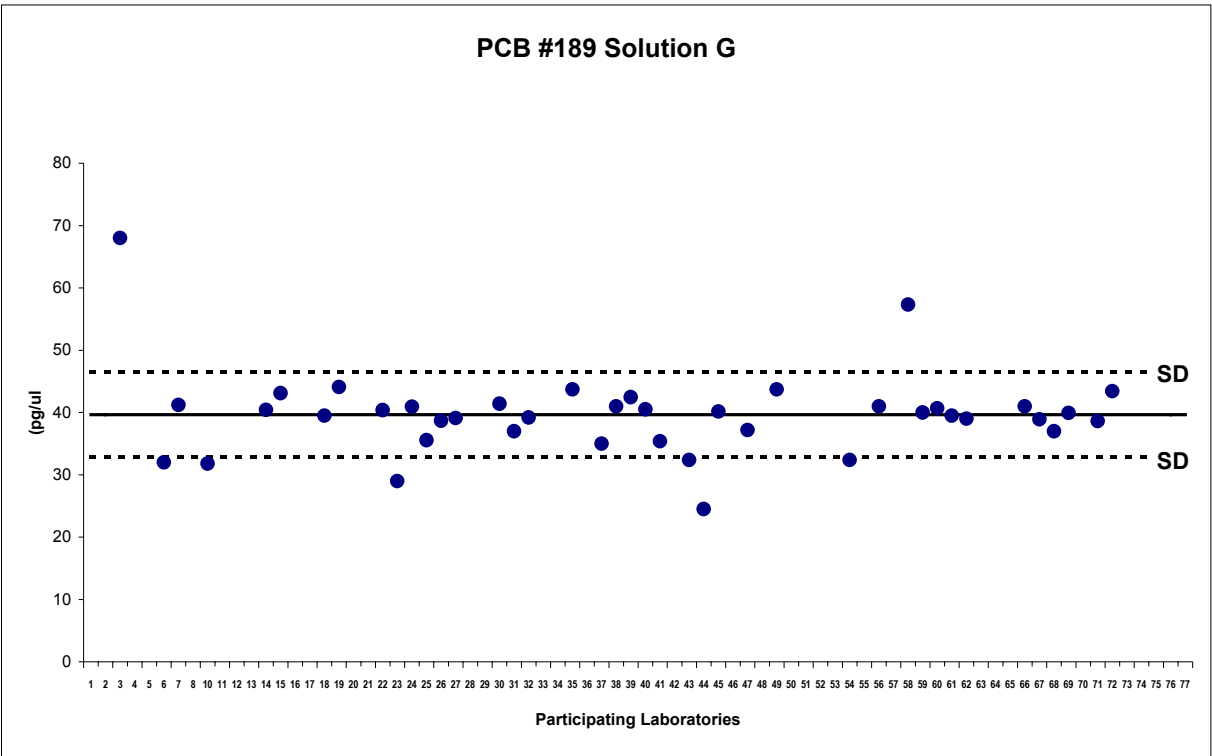








### PCB #189 Solution G





Participant code:	1	2	3	4	5	6	7	8	10	11	12	13	14
Weight Analysed:													
2,3,7,8-TeCDD	0.54	0.31	0.26	0.43		NA	0.45	0.52	0.40	0.13	0.30	0.32	0.49
1,2,3,7,8-PeCDD	1.00	1.20	0.70	1.10		NA	1.34	1.43	0.69	0.52	0.96	0.92	1.44
1,2,3,4,7,8-HxCDD	1.20	1.20	0.77	1.20		NA	1.14	1.75	0.67	0.54	0.83	0.73	1.12
1,2,3,6,7,8-HxCDD	1.35	1.79	0.86	1.20		NA	1.22	1.61	0.74	0.60	0.93	0.54	1.28
1,2,3,7,8,9-HxCDD	1.18	1.43	0.75	1.10		NA	1.10	1.50	0.71	0.58	0.86	0.65	1.28
1,2,3,4,6,7,8-HpCDD	1.19	1.22	0.91	1.30		NA	1.32	1.59	0.87	0.49	1.15	1.20	1.28
OCDD	2.61	2.93	1.80	2.60		NA	2.57	3.26	1.65	1.13	2.60	2.49	2.46
2,3,7,8-TeCDF	0.46	0.52	0.31	0.44		NA	0.58	0.79	0.33	0.13	0.39	0.31	0.57
1,2,3,7,8-PeCDF	1.13	1.71	0.81	1.10		NA	1.27	1.53	0.75	0.56	0.96	1.20	1.22
2,3,4,7,8-PeCDF	1.13	2.01	0.75	1.00		NA	1.22	1.72	0.86	0.44	0.94	0.52	1.12
1,2,3,4,7,8-HxCDF	1.24	1.20	0.70	1.10		NA	1.27	1.48	0.80	0.57	1.04	0.65	1.16
1,2,3,6,7,8-HxCDF	1.16	1.52	0.69	1.00		NA	1.26	1.48	0.82	0.73	0.97	0.71	1.30
1,2,3,7,8,9-HxCDF	1.24	1.35	0.64	1.00		NA	1.26	1.47	0.71	0.56	1.06	0.68	1.07
2,3,4,6,7,8-HxCDF	1.51	1.59	0.71	1.10		NA	1.23	1.37	0.69	0.53	1.16	0.73	1.13
1,2,3,4,6,7,8-HpCDF	1.20	1.91	0.80	1.30		NA	1.25	1.61	0.71	0.52	1.26	0.96	1.18
1,2,3,4,7,8,9-HpCDF	1.21	1.04	0.73	1.10		NA	1.32	1.62	0.73	0.51	1.32	0.97	1.05
OCDF	2.00	3.31	1.30	2.60		NA	2.36	2.91	1.70	1.16	2.63	2.07	2.17
<b>TEQ (PCDD/DF)</b>	<b>3.13</b>	<b>3.71</b>	<b>1.94</b>	<b>2.94</b>		<b>NA</b>	<b>3.41</b>	<b>3.31</b>	<b>2.13</b>	<b>1.34</b>	<b>2.51</b>	<b>2.09</b>	<b>3.47</b>
PCB #77	NA	NA	5.50	NA		NA	5.34	NA	4.10	NA	NA	NA	4.46
PCB #126	NA	NA	1.10	NA		NA	0.95	NA	0.90	NA	NA	NA	1.08
PCB #169	NA	NA	0.98	NA		NA	1.13	NA	0.80	NA	NA	NA	1.14
<b>TEQ (including PCBs)</b>	<b>NA</b>	<b>NA</b>	<b>2.06</b>	<b>NA</b>		<b>NA</b>	<b>3.52</b>	<b>NA</b>	<b>2.23</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>3.59</b>
Other PCBs (Optional)													
PCB #81	NA	NA	1.10	NA		NA	0.89	NA	0.80	NA	NA	NA	0.86
PCB #105	NA	NA	12.00	NA		NA	8.65	NA	10.10	NA	NA	NA	9.78
PCB #114	NA	NA	1.20	NA		NA	0.71	NA	0.80	NA	NA	NA	1.00
PCB #118	NA	NA	16.00	NA		NA	8.01	NA	9.00	NA	NA	NA	9.33
PCB #123	NA	NA	<0.5	NA		NA	0.81	NA	0.90	NA	NA	NA	1.01
PCB #156	NA	NA	5.10	NA		NA	4.11	NA	3.40	NA	NA	NA	5.38
PCB #157	NA	NA	1.20	NA		NA	0.86	NA	0.90	NA	NA	NA	1.13
PCB #167	NA	NA	1.10	NA		NA	0.78	NA	0.70	NA	NA	NA	1.08
PCB #189	NA	NA	1.60	NA		NA	1.06	NA	0.90	NA	NA	NA	1.06
<b>TEQ Total</b>	<b>NA</b>	<b>NA</b>	<b>2.07</b>	<b>NA</b>		<b>NA</b>	<b>3.52</b>	<b>NA</b>	<b>2.23</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>3.60</b>

\* all values in pg/ul

ND: not detected < than value expected

NA: not analyzed

Solution H1

Participant code:	15	16	17	18	19	20	21	22	23	24	25	26	27
Weight Analysed:													
2,3,7,8-TeCDD	0.46	NA		0.54	0.35		0.33	0.64	1.20	0.48	0.61	0.49	0.62
1,2,3,7,8-PeCDD	1.25	NA		1.35	1.18		0.69	1.94	0.70	1.12	1.19	1.21	1.54
1,2,3,4,7,8-HxCDD	1.18	NA		1.63	1.10		0.59	1.61	0.80	1.12	1.24	1.38	1.21
1,2,3,6,7,8-HxCDD	1.18	NA		1.38	1.29		0.73	1.78	1.50	1.31	1.34	1.40	1.29
1,2,3,7,8,9-HxCDD	1.26	NA		1.57	1.20		0.70	1.93	0.50	1.15	1.47	1.52	1.16
1,2,3,4,6,7,8-HpCDD	1.26	NA		1.38	1.28		0.72	3.30	0.50	1.31	1.36	2.71	1.55
OCDD	2.33	NA		2.77	2.81		1.52	5.67	4.60	2.80	3.93	5.49	2.34
2,3,7,8-TeCDF	0.49	NA		0.55	0.60		0.25	0.76	< 0.4	0.53	0.45	0.64	0.67
1,2,3,7,8-PeCDF	1.24	NA		1.46	1.41		0.64	1.81	1.30	1.26	1.02	0.84	1.25
2,3,4,7,8-PeCDF	1.18	NA		1.21	1.08		0.55	1.70	1.30	1.28	1.23	0.80	1.20
1,2,3,4,7,8-HxCDF	1.26	NA		1.31	1.31		0.56	1.70	2.20	1.19	1.29	1.65	1.37
1,2,3,6,7,8-HxCDF	1.25	NA		1.38	1.31		0.77	1.75	0.90	1.20	1.24	1.69	1.35
1,2,3,7,8,9-HxCDF	1.25	NA		1.56	1.37		0.71	1.78	1.90	1.08	1.13	1.53	0.92
2,3,4,6,7,8-HxCDF	1.23	NA		1.42	1.30		0.61	2.04	0.50	1.21	1.07	1.64	1.22
1,2,3,4,6,7,8-HpCDF	1.12	NA		1.48	1.10		0.72	2.79	0.70	1.35	1.34	2.81	1.64
1,2,3,4,7,8,9-HpCDF	1.20	NA		1.47	1.36		0.79	3.52	0.90	1.31	1.23	3.20	0.93
OCDF	2.48	NA		2.67	2.52		1.29	6.51	3.70	2.50	2.33	3.76	2.34
<b>TEQ (PCDD/DF)</b>	<b>3.31</b>	<b>NA</b>		<b>3.69</b>	<b>3.13</b>		<b>1.84</b>	<b>4.96</b>	<b>3.50</b>	<b>3.22</b>	<b>3.44</b>	<b>3.37</b>	<b>3.79</b>
PCB #77	4.84	NA		4.70	5.03		NA	4.28	3.60	4.89	4.35	4.39	6.36
PCB #126	1.08	NA		0.93	1.21		NA	1.12	0.80	1.10	0.78	0.85	1.26
PCB #169	0.87	NA		0.97	1.28		NA	1.13	1.30	1.09	0.98	1.06	1.27
<b>TEQ (including PCBs)</b>	<b>3.43</b>	<b>NA</b>		<b>3.80</b>	<b>3.13</b>		<b>NA</b>	<b>5.08</b>	<b>3.56</b>	<b>3.34</b>	<b>3.52</b>	<b>3.47</b>	<b>3.93</b>
Other PCBs (Optional)													
PCB #81	0.93	NA		0.92	1.10		NA	0.87	1.00	1.07	0.84	0.59	1.28
PCB #105	11.30	NA		9.29	1.00		NA	9.71	6.30	9.91	8.11	9.50	11.27
PCB #114	1.12	NA		0.91	0.69		NA	1.03	0.60	1.16	0.87	1.08	1.17
PCB #118	11.00	NA		9.30	18.00		NA	9.60	6.40	10.16	7.81	7.37	11.62
PCB #123	0.91	NA		0.88	0.92		NA	1.04	1.20	1.12	0.80	0.93	1.12
PCB #156	4.76	NA		4.73	5.34		NA	5.60	3.20	4.76	4.26	2.16	4.84
PCB #157	0.96	NA		0.97	1.21		NA	1.19	1.00	0.99	0.91	2.16	1.02
PCB #167	0.91	NA		0.93	0.98		NA	1.15	0.90	1.00	1.02	0.70	1.02
PCB #189	1.01	NA		0.92	0.96		NA	1.09	0.90	1.11	0.96	0.94	1.06
<b>TEQ Total</b>	<b>3.44</b>	<b>NA</b>		<b>3.80</b>	<b>3.13</b>		<b>NA</b>	<b>5.09</b>	<b>3.56</b>	<b>3.43</b>	<b>3.53</b>	<b>3.48</b>	<b>3.93</b>

\* all values in pg/ul

ND: not detected < than value expected

NA: not analyzed

Solution H2

Participant code:	28	29	30	31	32	33	34	35	36	37	38	39	40
Weight Analysed:													
2,3,7,8-TeCDD	0.46	0.50	0.45	0.47	0.43	0.53	0.48	0.40	0.54	0.37	0.59	0.70	0.70
1,2,3,7,8-PeCDD	1.05	1.12	1.30	1.43	0.79	1.23	1.32	1.00	1.15	1.20	1.33	1.40	1.40
1,2,3,4,7,8-HxCDD	1.23	1.09	1.50	1.18	0.87	1.31	1.26	0.80	1.31	1.10	1.45	0.90	0.90
1,2,3,6,7,8-HxCDD	1.17	1.37	1.40	1.04	0.79	1.31	1.36	1.20	1.23	1.10	1.39	0.96	0.96
1,2,3,7,8,9-HxCDD	0.85	1.29	1.50	1.04	0.91	1.28	1.22	1.00	1.26	1.10	1.26	0.84	0.84
1,2,3,4,6,7,8-HpCDD	1.25	1.47	1.20	1.20	1.20	1.21	1.26	0.90	1.43	1.00	1.53	1.53	1.53
OCDD	2.20	2.63	2.40	2.28	3.26	2.56	2.62	1.60	2.42	2.30	2.69	3.79	3.79
2,3,7,8-TeCDF	0.48	0.51	0.48	0.43	0.41	0.63	0.53	0.50	0.52	0.70	0.70	0.70	0.68
1,2,3,7,8-PeCDF	1.19	1.25	1.10	1.25	0.56	1.67	1.23	1.20	1.20	1.30	1.40	1.40	1.22
2,3,4,7,8-PeCDF	1.06	1.41	1.30	1.07	0.87	1.44	1.27	1.10	1.13	1.10	1.40	1.40	1.27
1,2,3,4,7,8-HxCDF	1.13	0.97	1.20	1.11	0.84	1.38	1.26	0.90	1.31	1.20	1.35	1.08	1.08
1,2,3,6,7,8-HxCDF	1.16	1.21	1.20	1.02	0.88	1.38	1.26	1.10	1.27	1.30	1.43	1.42	1.42
1,2,3,7,8,9-HxCDF	1.13	1.02	1.40	1.10	0.28	1.30	1.19	1.00	1.14	1.10	1.43	1.02	1.02
2,3,4,6,7,8-HxCDF	1.17	1.23	1.30	1.11	0.59	1.26	1.31	0.90	1.30	1.20	1.34	0.97	0.97
1,2,3,4,6,7,8-HpCDF	1.08	1.11	1.30	0.84	1.27	1.37	1.14	1.00	1.40	1.30	1.58	1.32	1.32
1,2,3,4,7,8,9-HpCDF	1.11	0.75	1.00	1.17	1.28	1.38	1.39	1.00	1.40	1.30	1.51	0.64	0.64
OCDF	2.51	2.75	2.30	2.30	2.57	2.57	2.54	1.60	2.58	2.20	2.62	3.13	3.13
<b>TEQ (PCDD/DF)</b>	<b>2.44</b>	<b>3.29</b>	<b>3.49</b>	<b>3.33</b>	<b>2.28</b>	<b>3.58</b>	<b>3.47</b>	<b>2.80</b>	<b>3.29</b>	<b>3.10</b>	<b>3.77</b>	<b>3.62</b>	<b>3.62</b>
PCB #77	NA	5.35	4.40	5.00	3.89	5.45	5.91	NA	4.30	4.40	6.44	5.82	5.82
PCB #126	NA	0.99	0.97	0.98	0.75	1.07	1.14	NA	0.83	0.97	1.45	0.63	0.63
PCB #169	NA	0.99	0.99	1.04	0.90	1.21	1.14	NA	0.91	1.00	1.41	0.77	0.77
<b>TEQ (including PCBs)</b>	<b>NA</b>	<b>3.40</b>	<b>3.60</b>	<b>3.44</b>	<b>2.28</b>	<b>3.70</b>	<b>0.13</b>	<b>NA</b>	<b>3.38</b>	<b>3.20</b>	<b>3.93</b>	<b>3.69</b>	<b>3.69</b>
Other PCBs (Optional)													
PCB #81	NA	1.04	0.97	1.03	NA	1.12	1.13	NA	1.01	0.81	1.52	0.88	0.88
PCB #105	NA	10.80	9.90	10.20	NA	NA	10.20	NA	8.78	11.00	11.56	8.52	8.52
PCB #114	NA	0.91	1.10	0.99	NA	NA	1.05	NA	0.79	0.88	1.31	0.64	0.64
PCB #118	NA	11.20	8.70	9.95	NA	NA	11.00	NA	9.77	9.40	12.12	9.65	9.65
PCB #123	NA	1.01	0.99	0.99	NA	NA	1.01	NA	0.85	0.84	1.30	0.52	0.52
PCB #156	NA	5.18	5.00	5.13	NA	NA	5.57	NA	4.56	4.50	5.45	4.45	4.45
PCB #157	NA	0.91	1.20	1.02	NA	NA	1.05	NA	0.83	0.87	1.24	0.64	0.64
PCB #167	NA	1.11	0.90	1.01	NA	NA	1.16	NA	0.88	0.93	1.27	1.15	1.15
PCB #189	NA	1.09	1.10	1.00	NA	NA	1.21	NA	0.86	0.92	1.23	0.89	0.89
<b>TEQ Total</b>	<b>NA</b>	<b>3.40</b>	<b>3.60</b>	<b>3.44</b>	<b>NA</b>	<b>NA</b>	<b>3.60</b>	<b>NA</b>	<b>3.39</b>	<b>3.20</b>	<b>4.10</b>	<b>3.70</b>	<b>3.70</b>
* all values in pg/ul													
ND: not detected < than value expected													
NA: not analyzed													
Solution H3													

Participant code:	41	42	43	44	45	46	47	48	49	50	51	52	53
Weight Analysed:													
2,3,7,8-TeCDD	0.60		0.49	0.36	0.54		0.51	0.50	0.52	0.64	0.36	0.48	0.60
1,2,3,7,8-PeCDD	1.00		1.46	1.15	1.25		1.20	1.20	1.39	1.95	0.94	1.21	1.72
1,2,3,4,7,8-HxCDD	1.60		1.05	0.98	1.14		1.00	1.10	1.22	1.93	0.89	1.14	1.29
1,2,3,6,7,8-HxCDD	1.10		1.11	0.99	1.24		1.10	1.50	1.24	1.03	0.95	1.30	1.65
1,2,3,7,8,9-HxCDD	1.50		1.16	1.12	1.24		1.20	1.30	1.24	1.74	0.73	1.20	1.78
1,2,3,4,6,7,8-HpCDD	1.30		1.36	1.24	1.33		1.30	1.20	1.39	0.79	1.08	1.43	0.88
OCDD	3.40		2.96	2.92	2.41		3.60	2.80	2.86	1.68	1.78	2.72	3.99
2,3,7,8-TeCDF	0.50		0.45	0.49	0.50		0.58	0.55	0.52	0.90	0.44	0.70	0.57
1,2,3,7,8-PeCDF	1.20		1.16	1.13	1.08		1.40	1.40	1.16	1.40	0.87	1.34	1.47
2,3,4,7,8-PeCDF	1.10		1.34	1.11	1.18		1.60	1.40	1.21	1.69	0.95	1.29	1.57
1,2,3,4,7,8-HxCDF	1.40		1.28	1.12	1.22		1.10	1.00	1.21	1.73	0.86	1.17	1.56
1,2,3,6,7,8-HxCDF	1.60		1.13	1.00	1.21		1.30	1.20	1.25	1.51	0.75	1.27	1.82
1,2,3,7,8,9-HxCDF	1.30		1.09	0.87	1.20		1.20	1.10	1.28	1.58	0.74	1.27	1.62
2,3,4,6,7,8-HxCDF	1.10		1.19	1.14	1.17		1.20	1.20	1.22	2.03	0.94	1.26	1.40
1,2,3,4,6,7,8-HpCDF	1.30		1.39	1.18	1.18		1.30	1.20	1.38	1.70	0.91	1.35	0.73
1,2,3,4,7,8,9-HpCDF	1.20		1.25	1.35	1.28		1.30	1.00	1.31	1.56	0.73	1.37	1.21
OCDF	<1.9		2.72	2.25	2.29		3.80	2.80	2.75	2.44	1.76	4.66	2.35
<b>TEQ (PCDD/DF)</b>	<b>3.26</b>		<b>3.56</b>	<b>2.94</b>	<b>3.37</b>		<b>3.49</b>	<b>3.40</b>	<b>3.53</b>	<b>4.79</b>	<b>2.44</b>	<b>3.37</b>	<b>4.37</b>
PCB #77	5.00		3.60	4.70	5.19		4.20	4.90	3.40	NA	4.14	5.16	13.28
PCB #126	1.40		0.80	1.40	1.22		1.10	0.95	1.10	NA	0.90	1.12	1.52
PCB #169	1.00		0.80	1.10	1.13		0.88	1.10	0.90	NA	0.94	1.16	3.92
<b>TEQ (including PCBs)</b>	<b>3.41</b>		<b>3.65</b>	<b>2.94</b>	<b>3.50</b>		<b>3.61</b>	<b>3.51</b>	<b>3.65</b>	<b>NA</b>	<b>2.54</b>	<b>3.49</b>	<b>4.56</b>
Other PCBs (Optional)													
PCB #81	1.31		0.70	1.10	1.16		1.20	NA	0.80	NA	NA	NA	NA
PCB #105	10.50		6.50	8.50	9.84		8.00	NA	9.00	NA	NA	NA	NA
PCB #114	1.00		0.60	1.10	1.05		1.30	NA	1.00	NA	NA	NA	NA
PCB #118	7.80		6.10	6.20	9.53		9.90	NA	9.10	NA	NA	NA	NA
PCB #123	1.10		0.70	0.80	1.08		0.73	NA	1.00	NA	NA	NA	NA
PCB #156	4.60		3.80	4.80	5.04		5.10	NA	5.90	NA	NA	NA	NA
PCB #157	0.80		0.70	1.30	1.07		0.92	NA	1.10	NA	NA	NA	NA
PCB #167	1.10		0.80	1.30	1.06		1.10	NA	1.00	NA	NA	NA	NA
PCB #189	0.90		0.70	1.00	1.07		1.00	NA	1.10	NA	NA	NA	NA
<b>TEQ Total</b>	<b>3.41</b>		<b>3.66</b>	<b>2.94</b>	<b>3.51</b>		<b>3.61</b>	<b>NA</b>	<b>3.66</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>

\* all values in pg/ul

ND: not detected < than value expected

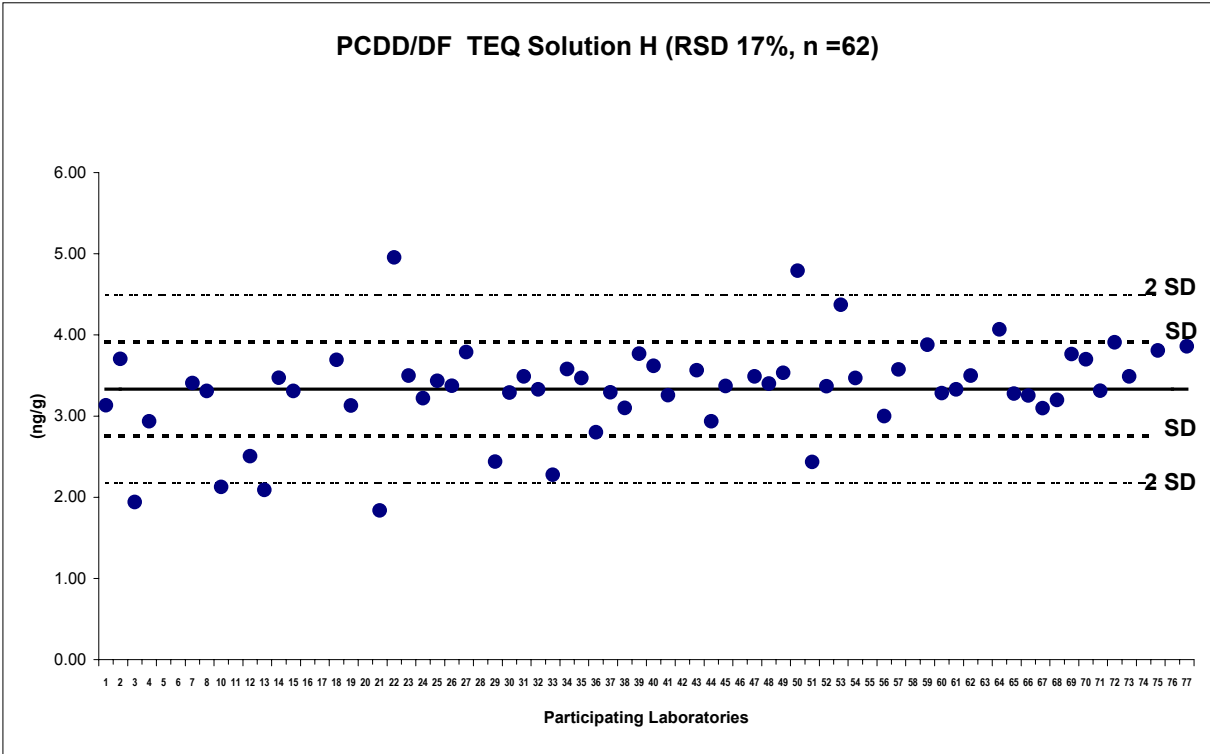
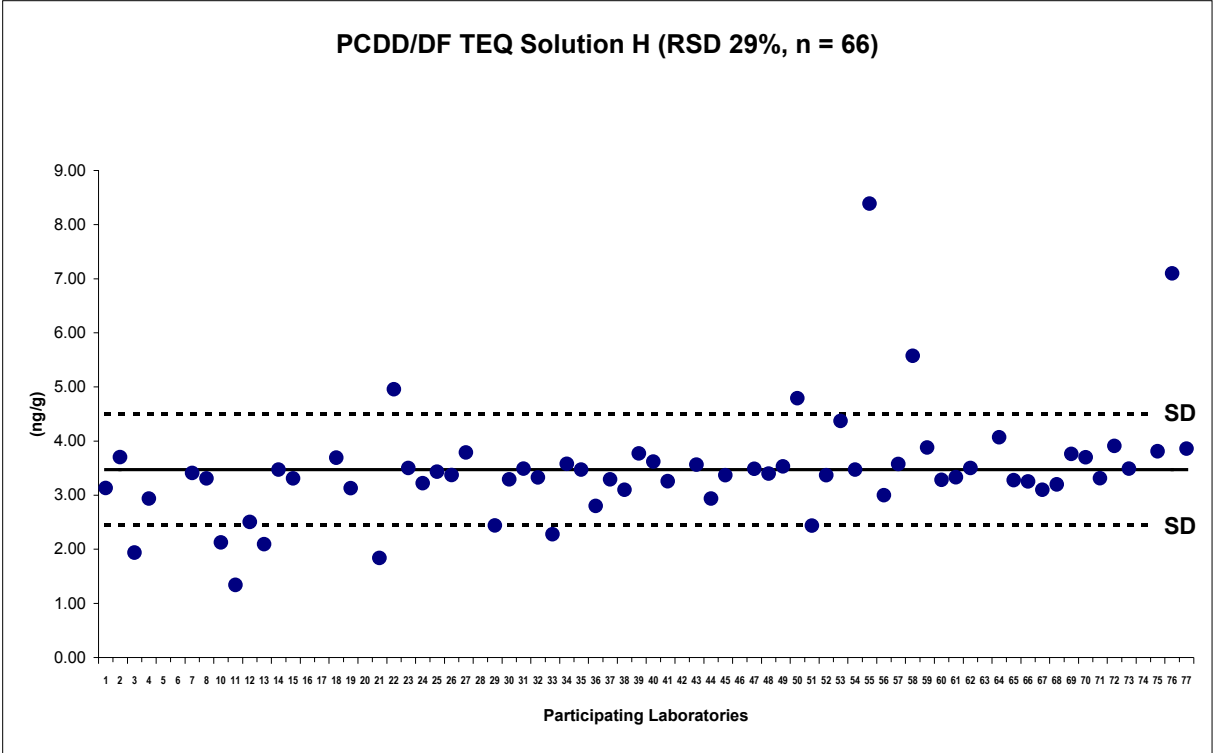
NA: not analyzed

Solution H4

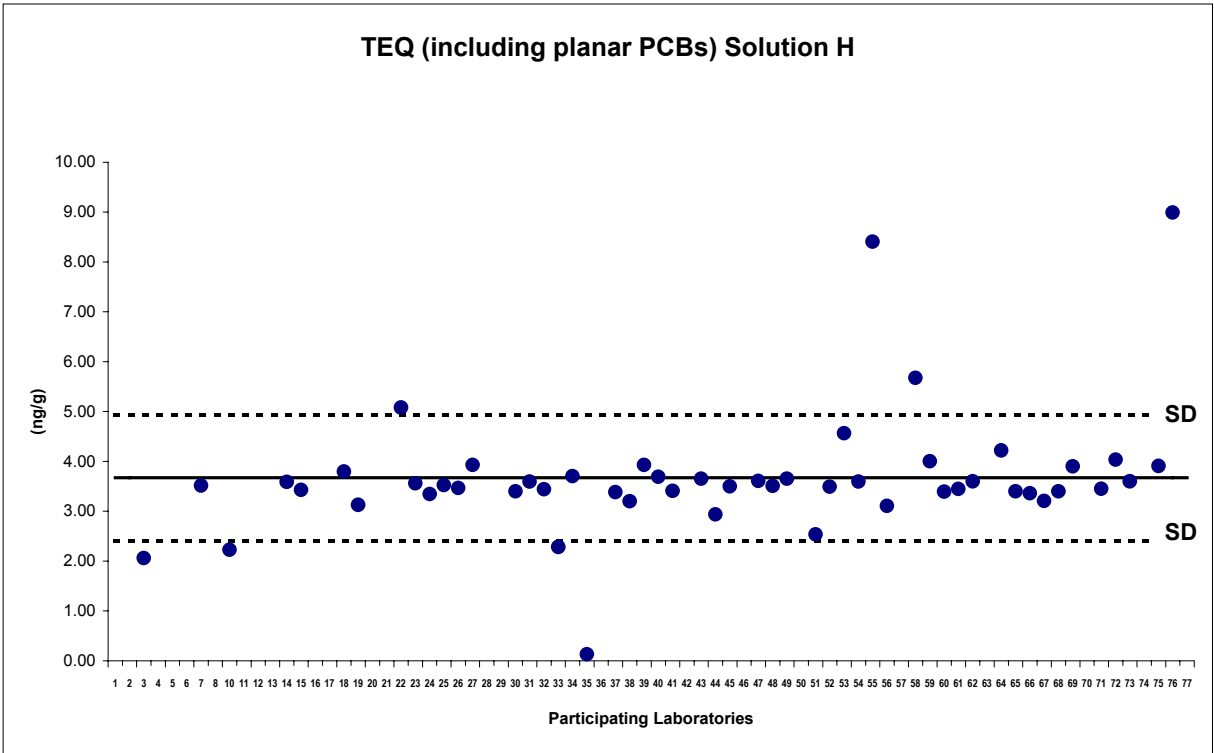
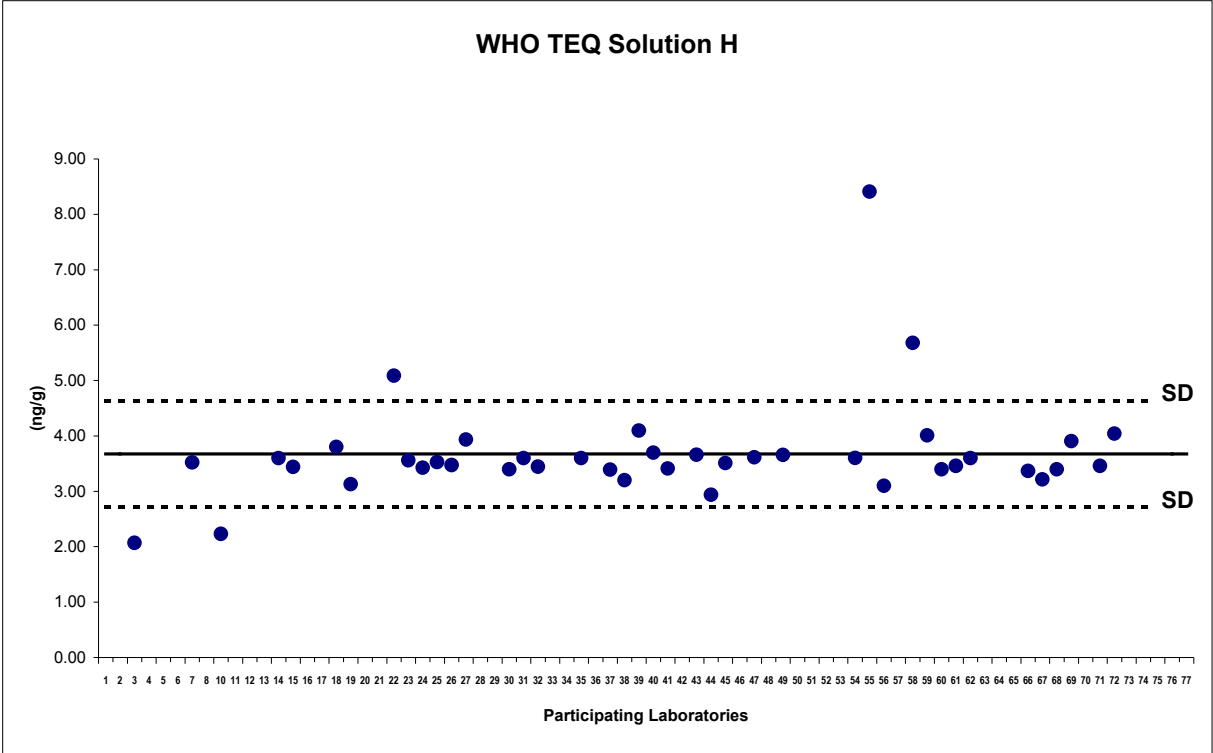
Participant code:	54	55	56	57	58	59	60	61	62	63	64	65	66
Weight Analysed:													
2,3,7,8-TeCDD	0.52		0.53	0.58	1.06	0.62	0.51	0.49	0.54	NA	0.56	0.45	0.47
1,2,3,7,8-PeCDD	1.30		1.10	1.31	2.10	1.30	1.16	1.22	1.30	NA	1.62	1.18	1.20
1,2,3,4,7,8-HxCDD	1.40		0.84	1.24	1.08	1.70	1.28	1.26	1.20	NA	1.42	1.22	1.20
1,2,3,6,7,8-HxCDD	1.20		0.96	1.27	1.91	1.50	1.25	1.21	1.40	NA	1.44	1.09	1.20
1,2,3,7,8,9-HxCDD	1.60		0.99	1.32	1.56	1.60	1.29	1.28	1.30	NA	1.40	1.07	1.20
1,2,3,4,6,7,8-HpCDD	1.50		1.20	1.38	1.60	1.60	1.28	1.19	1.20	NA	1.56	1.24	1.20
OCDD	2.60		1.90	2.87	2.61	3.00	2.59	2.50	2.30	NA	2.96	3.08	2.30
2,3,7,8-TeCDF	0.47		0.45	0.52	0.89	0.58	0.47	0.51	0.57	NA	0.57	0.55	0.47
1,2,3,7,8-PeCDF	1.20		0.99	1.30	2.14	1.50	1.13	1.28	1.30	NA	1.39	1.38	1.20
2,3,4,7,8-PeCDF	1.30		1.00	1.26	1.93	1.40	1.20	1.20	1.20	NA	1.40	1.26	1.20
1,2,3,4,7,8-HxCDF	1.00		1.00	1.28	1.50	1.60	1.25	1.18	1.30	NA	1.45	1.35	1.20
1,2,3,6,7,8-HxCDF	1.20		1.20	1.30	2.01	1.50	1.22	1.28	1.30	NA	1.53	1.33	1.20
1,2,3,7,8,9-HxCDF	1.00		0.84	1.28	1.84	1.30	1.19	1.23	1.20	NA	1.49	1.22	1.20
2,3,4,6,7,8-HxCDF	1.10		1.10	1.34	2.24	1.60	1.20	1.29	1.20	NA	1.44	1.27	1.20
1,2,3,4,6,7,8-HpCDF	1.50		0.94	1.34	1.73	1.70	1.27	1.15	1.10	NA	1.65	1.39	1.20
1,2,3,4,7,8,9-HpCDF	1.30		0.95	1.29	1.38	1.30	1.27	1.20	1.00	NA	1.54	1.48	1.20
OCDF	1.60		2.00	2.21	2.15	3.10	2.61	2.38	2.30	NA	3.37	2.30	2.30
<b>TEQ (PCDD/DF)</b>	<b>3.47</b>	<b>8.39</b>	<b>3.00</b>	<b>3.58</b>	<b>5.58</b>	<b>3.88</b>	<b>3.28</b>	<b>3.33</b>	<b>3.50</b>	<b>NA</b>	<b>4.07</b>	<b>3.28</b>	<b>3.25</b>
PCB #77	4.20		4.80	NA	5.85	5.80	4.75	5.21	4.80	NA	5.47	4.84	4.60
PCB #126	1.20		0.99	NA	0.88	1.10	0.98	1.04	0.85	NA	1.40	1.10	0.98
PCB #169	0.60		0.91	NA	1.08	1.20	1.09	1.09	0.88	NA	1.26	1.06	0.97
<b>TEQ (including PCBs)</b>	<b>3.60</b>	<b>8.41</b>	<b>3.11</b>	<b>NA</b>	<b>5.68</b>	<b>4.00</b>	<b>3.39</b>	<b>3.45</b>	<b>3.60</b>	<b>NA</b>	<b>4.22</b>	<b>3.40</b>	<b>3.36</b>
Other PCBs (Optional)													
PCB #81	0.40		1.20	NA	1.01	1.20	0.98	1.07	0.90	NA	NA	NA	0.95
PCB #105	11.00		8.20	NA	9.00	11.00	9.37	10.20	9.50	NA	NA	NA	12.00
PCB #114	1.30		1.00	NA	0.76	1.10	0.91	1.02	0.93	NA	NA	NA	1.10
PCB #118	12.80		9.30	NA	8.76	12.00	9.65	10.40	9.80	NA	NA	NA	11.00
PCB #123	NA		0.95	NA	1.22	1.00	0.92	1.01	0.86	NA	NA	NA	1.20
PCB #156	6.90		5.00	NA	5.68	6.20	4.55	5.06	5.50	NA	NA	NA	5.00
PCB #157	1.10		0.97	NA	1.18	1.10	0.90	1.02	0.91	NA	NA	NA	1.10
PCB #167	1.50		1.10	NA	1.38	1.30	0.87	1.06	1.10	NA	NA	NA	1.00
PCB #189	1.10		0.84	NA	1.61	1.10	0.87	1.01	0.94	NA	NA	NA	0.96
<b>TEQ Total</b>	<b>3.60</b>	<b>8.41</b>	<b>3.10</b>	<b>NA</b>	<b>5.68</b>	<b>4.01</b>	<b>3.40</b>	<b>3.46</b>	<b>3.60</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>3.37</b>
* all values in pg/ul													
ND: not detected < than value expected													
NA: not analyzed													
Solution H5													

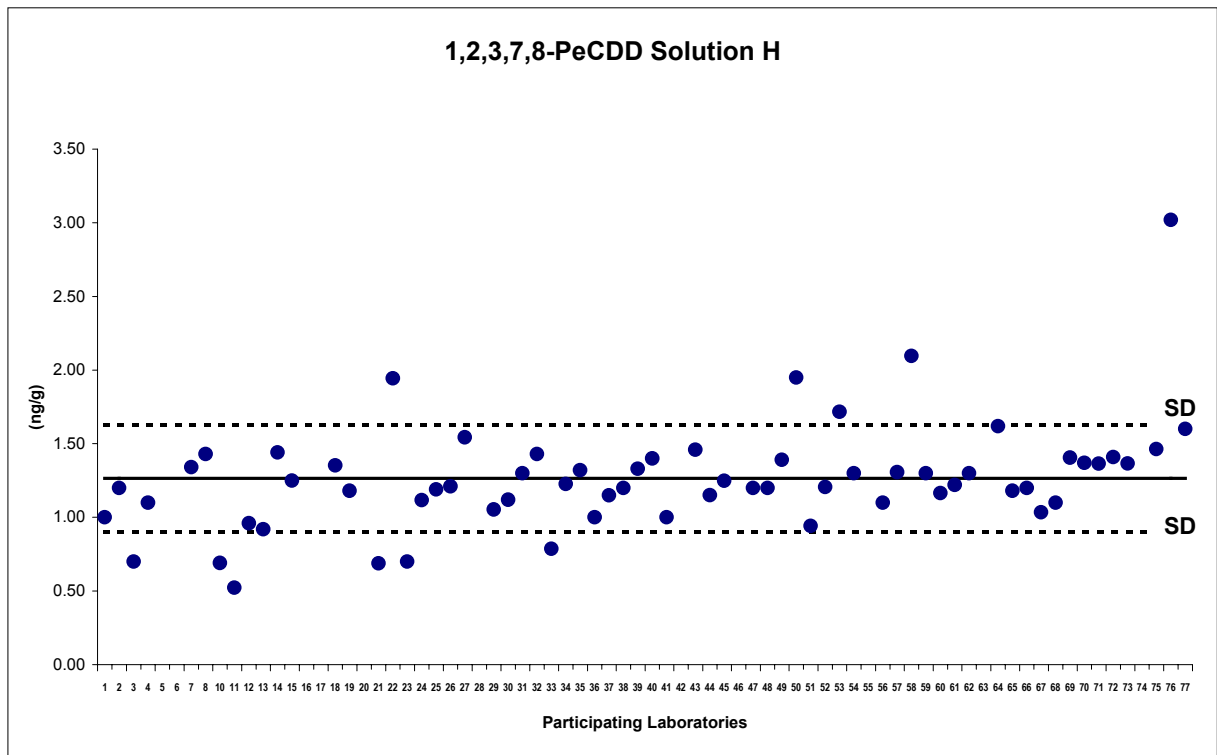
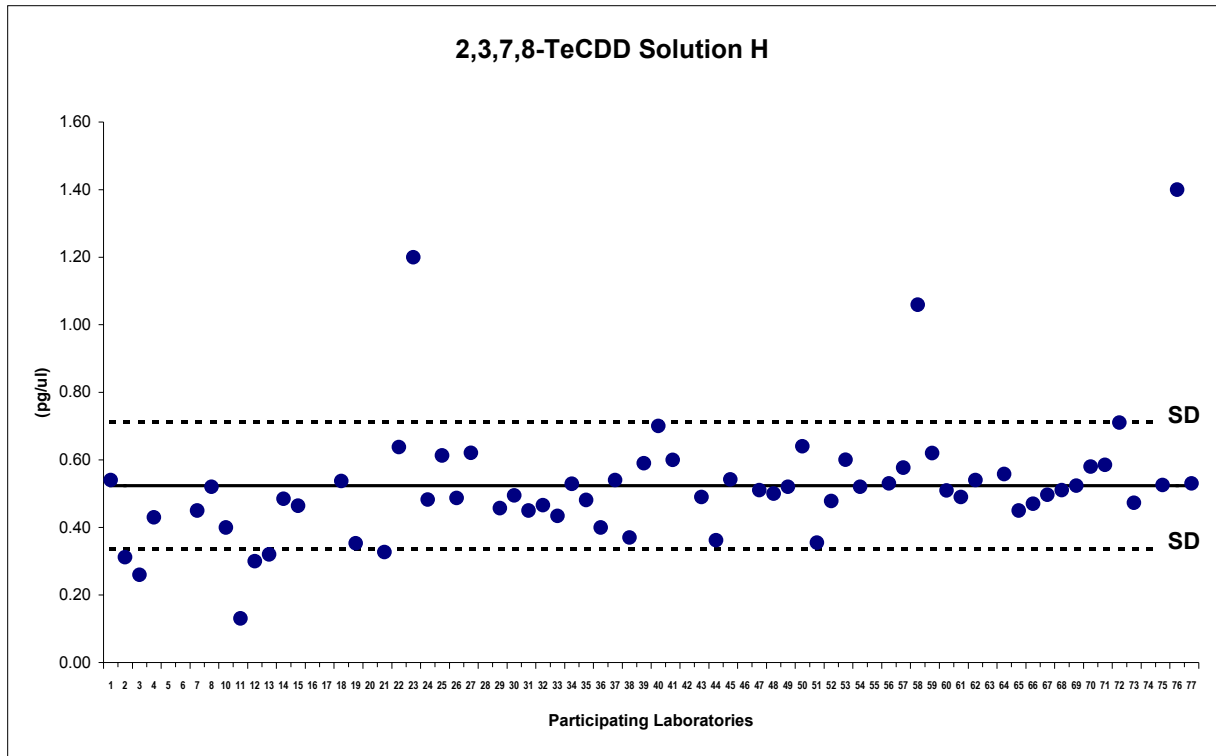
Participant code:	67	68	69	70	71	72	73	74	75	76	77
Weight Analysed:	*										
2,3,7,8-TeCDD	0.50	0.51	0.52	0.58	0.59	0.71	0.47		0.53	1.40	0.53
1,2,3,7,8-PeCDD	1.03	1.10	1.40	1.37	1.37	1.41	1.37		1.46	3.02	1.60
1,2,3,4,7,8-HxCDD	1.03	1.20	1.39	1.28	1.09	1.23	1.18		1.33	2.68	1.20
1,2,3,6,7,8-HxCDD	1.00	1.30	1.47	1.25	1.17	1.37	1.11		1.23	2.96	1.30
1,2,3,7,8,9-HxCDD	1.05	1.20	1.36	1.30	1.20	1.40	1.00		1.30	2.42	1.30
1,2,3,4,6,7,8-HpCDD	1.13	1.40	1.50	1.50	1.13	1.55	1.45		1.47	5.32	1.30
OCDD	2.09	2.90	2.66	2.50	2.29	3.15	2.65		3.24	16.00	2.70
2,3,7,8-TeCDF	0.44	0.55	0.59	0.54	0.48	0.72	0.70		0.59	1.25	0.48
1,2,3,7,8-PeCDF	1.21	1.30	1.28	1.21	0.89	1.51	1.26		1.52	3.98	1.40
2,3,4,7,8-PeCDF	1.30	1.20	1.40	1.31	0.96	1.37	1.27		1.43	3.19	1.30
1,2,3,4,7,8-HxCDF	1.30	1.30	1.40	1.28	1.02	1.30	1.34		1.35	2.49	1.30
1,2,3,6,7,8-HxCDF	0.99	1.20	1.35	1.33	1.05	1.32	1.37		1.38	4.98	1.40
1,2,3,7,8,9-HxCDF	1.22	1.40	1.31	1.27	1.04	1.22	1.15		1.22	2.35	1.30
2,3,4,6,7,8-HxCDF	1.16	1.10	1.44	1.33	0.98	1.29	1.25		1.46	2.92	1.40
1,2,3,4,6,7,8-HpCDF	1.23	1.20	1.27	1.37	1.09	1.37	1.35		1.38	6.89	1.30
1,2,3,4,7,8,9-HpCDF	1.43	1.30	1.16	1.60	1.14	1.39	1.12		1.59	4.36	1.40
OCDF	2.30	2.70	2.92	2.64	1.95	3.20	2.61		3.43	6.87	2.40
<b>TEQ (PCDD/DF)</b>	<b>3.10</b>	<b>3.20</b>	<b>3.76</b>	<b>3.70</b>	<b>3.31</b>	<b>3.91</b>	<b>3.49</b>		<b>3.81</b>	<b>7.10</b>	<b>3.86</b>
PCB #77	4.60	4.50	5.49	NA	5.14	5.43	5.56		3.30	5.93	NA
PCB #126	1.00	1.00	1.22	NA	1.30	1.15	0.97		0.91	18.95	NA
PCB #169	1.06	1.10	1.21	NA	1.03	1.17	1.14		0.92	NA	NA
<b>TEQ (including PCBs)</b>	<b>3.21</b>	<b>3.40</b>	<b>3.90</b>	<b>NA</b>	<b>3.45</b>	<b>4.04</b>	<b>3.60</b>		<b>3.91</b>	<b>8.99</b>	<b>NA</b>
Other PCBs (Optional)											
PCB #81	0.91	1.00	1.20	NA	1.10	1.11	NA		NA	NA	NA
PCB #105	10.81	10.00	10.85	NA	10.07	10.57	NA		NA	NA	NA
PCB #114	1.18	1.10	1.15	NA	1.39	1.05	NA		NA	NA	NA
PCB #118	10.59	9.90	10.20	NA	12.23	10.67	NA		NA	NA	NA
PCB #123	0.99	1.00	1.09	NA	1.34	1.07	NA		NA	NA	NA
PCB #156	4.73	5.00	5.34	NA	5.33	5.44	NA		NA	NA	NA
PCB #157	0.98	0.91	1.19	NA	1.12	1.07	NA		NA	NA	NA
PCB #167	1.11	0.98	1.30	NA	1.30	1.09	NA		NA	NA	NA
PCB #189	1.00	0.98	1.20	NA	1.24	1.29	NA		NA	NA	NA
<b>TEQ Total</b>	<b>3.22</b>	<b>3.40</b>	<b>3.90</b>	<b>NA</b>	<b>3.46</b>	<b>4.04</b>	<b>NA</b>		<b>NA</b>	<b>NA</b>	<b>NA</b>
* all values in pg/ul											
ND: not detected < than value expected											
NA: not analyzed											
Solution H6											

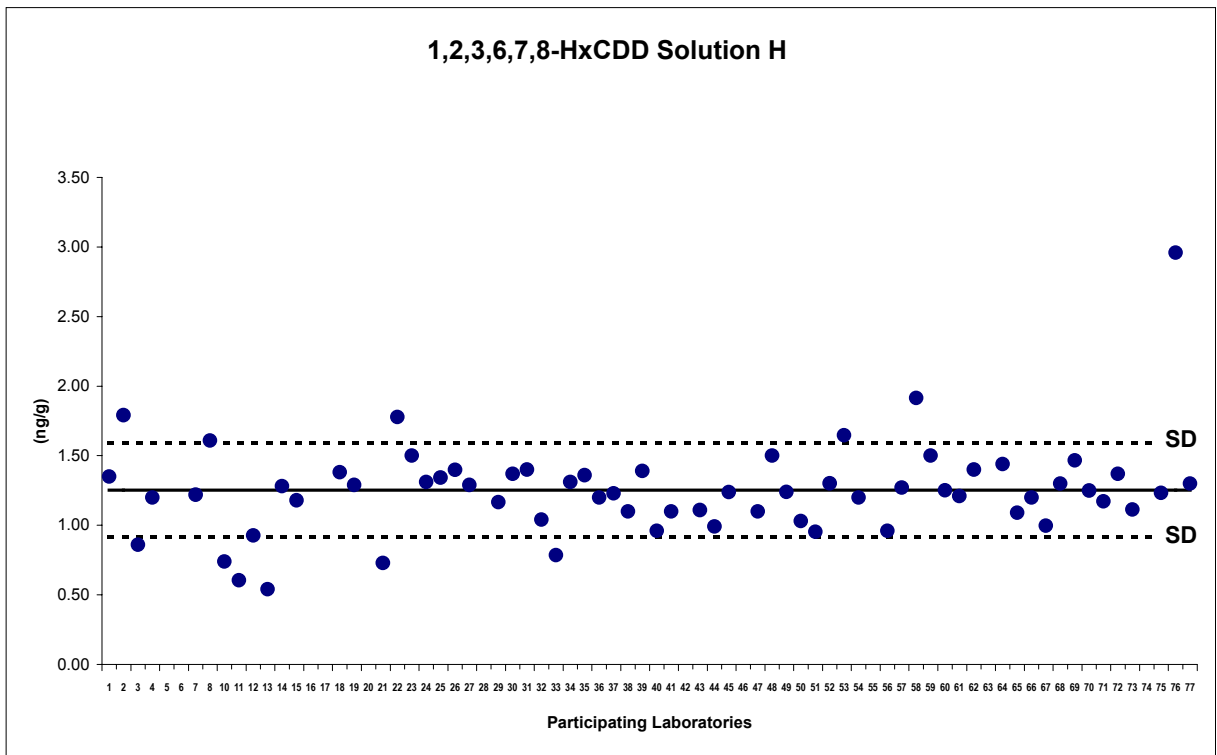
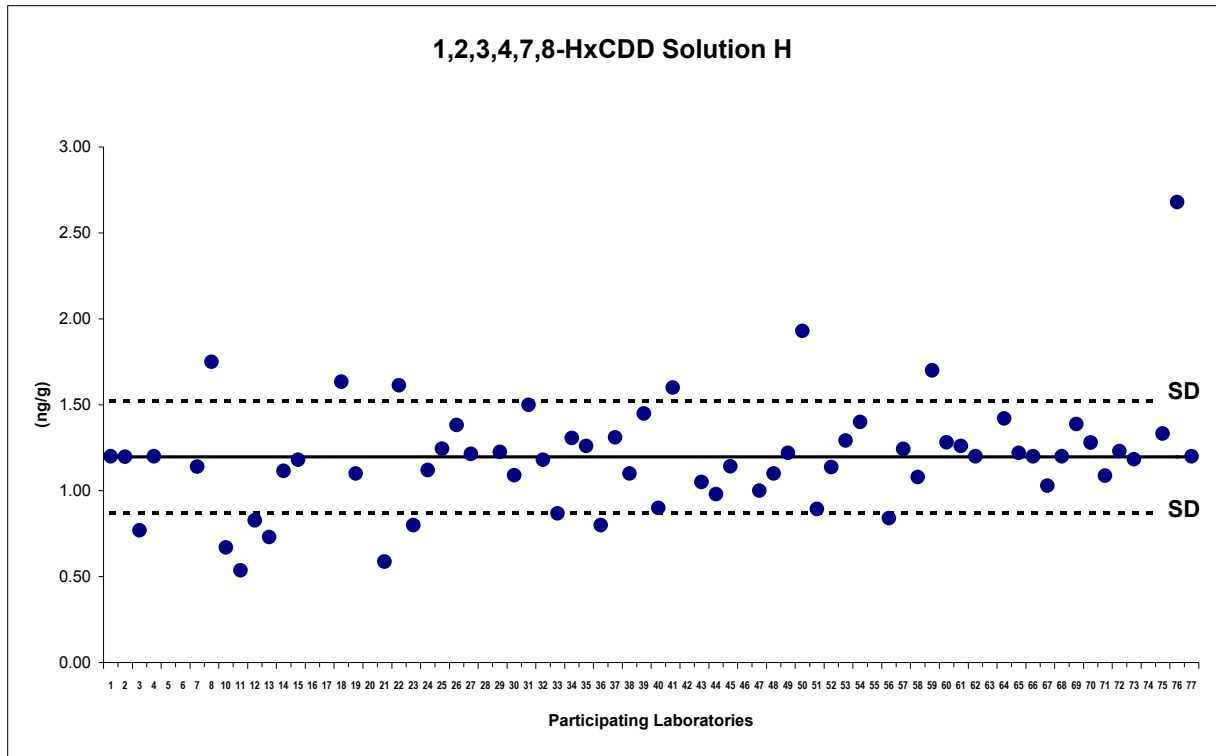
Participant code:							
Weight Analysed:							
	Average	Median	Min	Max	SD	%RSD	WL
2,3,7,8-TeCDD	0.52	0.51	0.13	1.40	0.19	36%	0.50
1,2,3,7,8-PeCDD	1.26	1.22	0.52	3.02	0.36	29%	1.25
1,2,3,4,7,8-HxCDD	1.20	1.20	0.54	2.68	0.33	27%	1.25
1,2,3,6,7,8-HxCDD	1.25	1.24	0.54	2.96	0.34	27%	1.25
1,2,3,7,8,9-HxCDD	1.22	1.24	0.50	2.42	0.32	26%	1.25
1,2,3,4,6,7,8-HpCDD	1.37	1.28	0.49	5.32	0.63	46%	1.25
OCDD	2.94	2.62	1.13	16.00	1.82	62%	2.50
2,3,7,8-TeCDF	0.55	0.52	0.13	1.25	0.16	30%	0.50
1,2,3,7,8-PeCDF	1.28	1.25	0.56	3.98	0.43	34%	1.25
2,3,4,7,8-PeCDF	1.25	1.22	0.44	3.19	0.37	30%	1.25
1,2,3,4,7,8-HxCDF	1.24	1.26	0.56	2.49	0.31	25%	1.25
1,2,3,6,7,8-HxCDF	1.30	1.26	0.69	4.98	0.53	41%	1.25
1,2,3,7,8,9-HxCDF	1.20	1.20	0.28	2.35	0.32	27%	1.25
2,3,4,6,7,8-HxCDF	1.24	1.22	0.50	2.92	0.38	30%	1.25
1,2,3,4,6,7,8-HpCDF	1.38	1.30	0.52	6.89	0.79	57%	1.25
1,2,3,4,7,8,9-HpCDF	1.31	1.28	0.51	4.36	0.59	45%	1.25
OCDF	2.64	2.51	1.16	6.87	0.95	36%	2.50
<b>TEQ (PCDD/DF)</b>	<b>3.47</b>	<b>3.39</b>	<b>1.34</b>	<b>8.39</b>	<b>1.02</b>	<b>29%</b>	<b>3.40</b>
PCB #77	5.03	4.84	3.30	13.28	1.38	27%	5.0
PCB #126	1.40	1.04	0.63	18.95	2.51	179%	1.0
PCB #169	1.10	1.06	0.60	3.92	0.43	39%	1.0
<b>TEQ (including PCBs)</b>	<b>3.67</b>	<b>3.51</b>	<b>0.13</b>	<b>8.99</b>	<b>1.26</b>	<b>34%</b>	<b>3.51</b>
Other PCBs (Optional)							
PCB #81	1.00	1.01	0.40	1.52	0.20	20%	1.0
PCB #105	9.57	9.91	1.00	12.00	1.90	20%	10.0
PCB #114	1.00	1.02	0.60	1.39	0.20	20%	1.0
PCB #118	10.03	9.79	6.10	18.00	2.26	23%	10.0
PCB #123	0.98	1.00	0.52	1.34	0.16	17%	1.0
PCB #156	4.91	5.00	2.16	6.90	0.82	17%	5.0
PCB #157	1.04	1.02	0.64	2.16	0.23	22%	1.0
PCB #167	1.05	1.06	0.70	1.50	0.18	17%	1.0
PCB #189	1.04	1.01	0.70	1.61	0.18	17%	1.0
<b>TEQ Total</b>	<b>3.67</b>	<b>3.52</b>	<b>2.07</b>	<b>8.41</b>	<b>0.95</b>	<b>26%</b>	<b>3.52</b>
* all values in pg/ul							
ND: not detected < than value expected							
NA: not analyzed							
Solution H7							

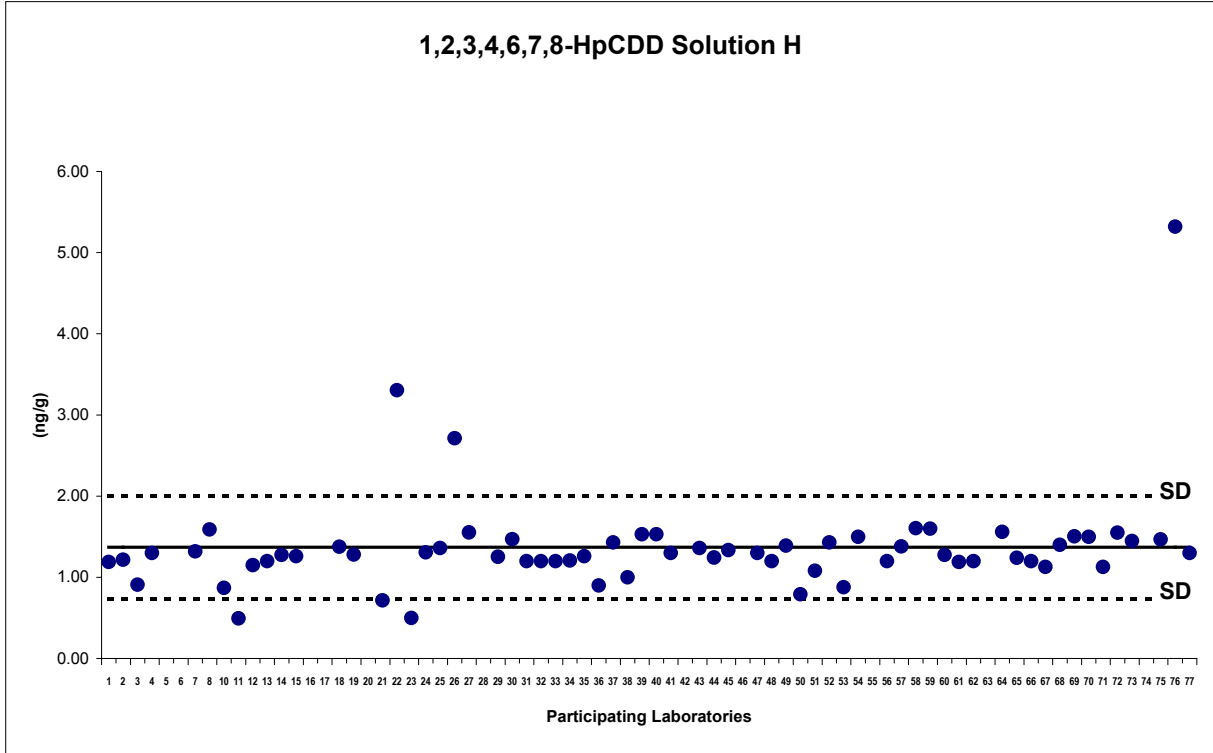
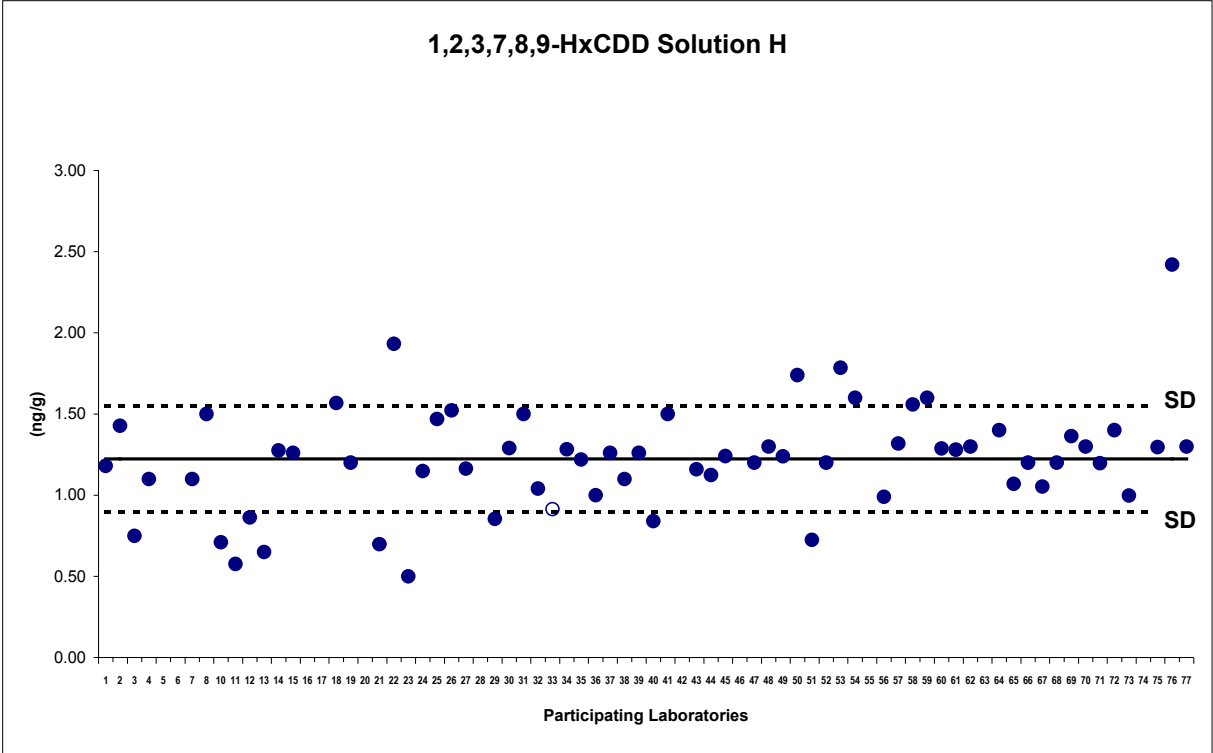


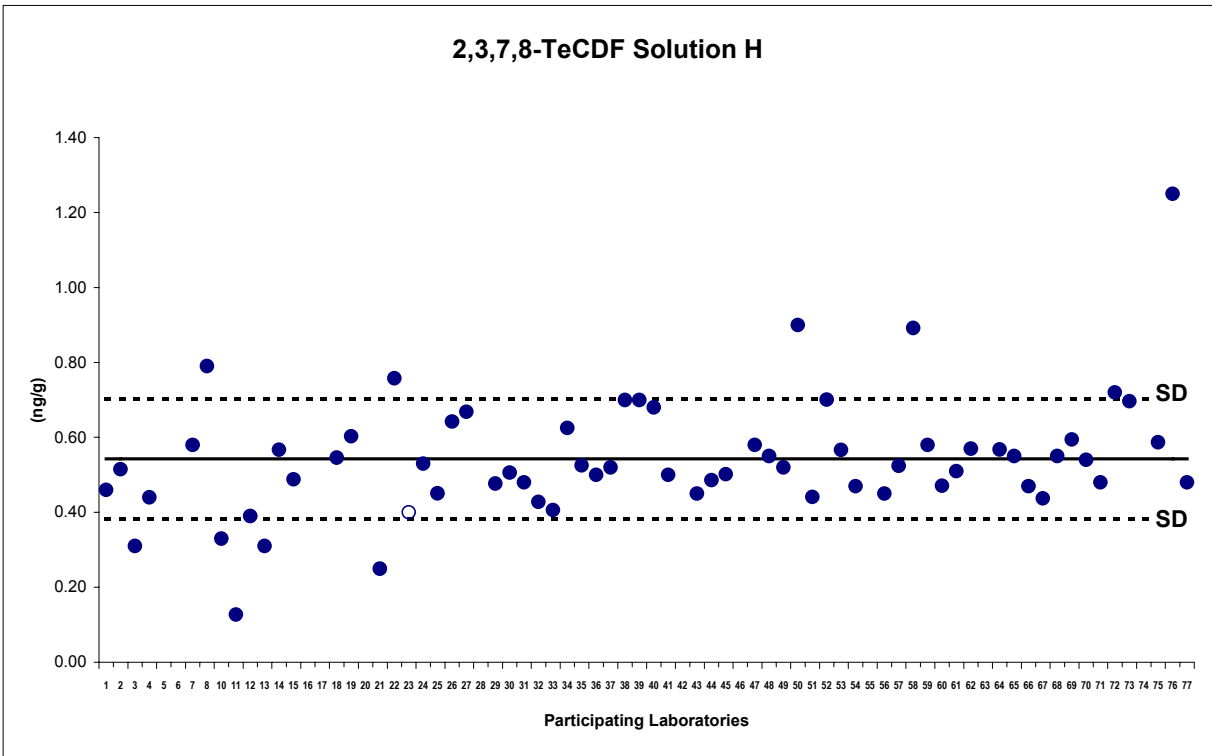
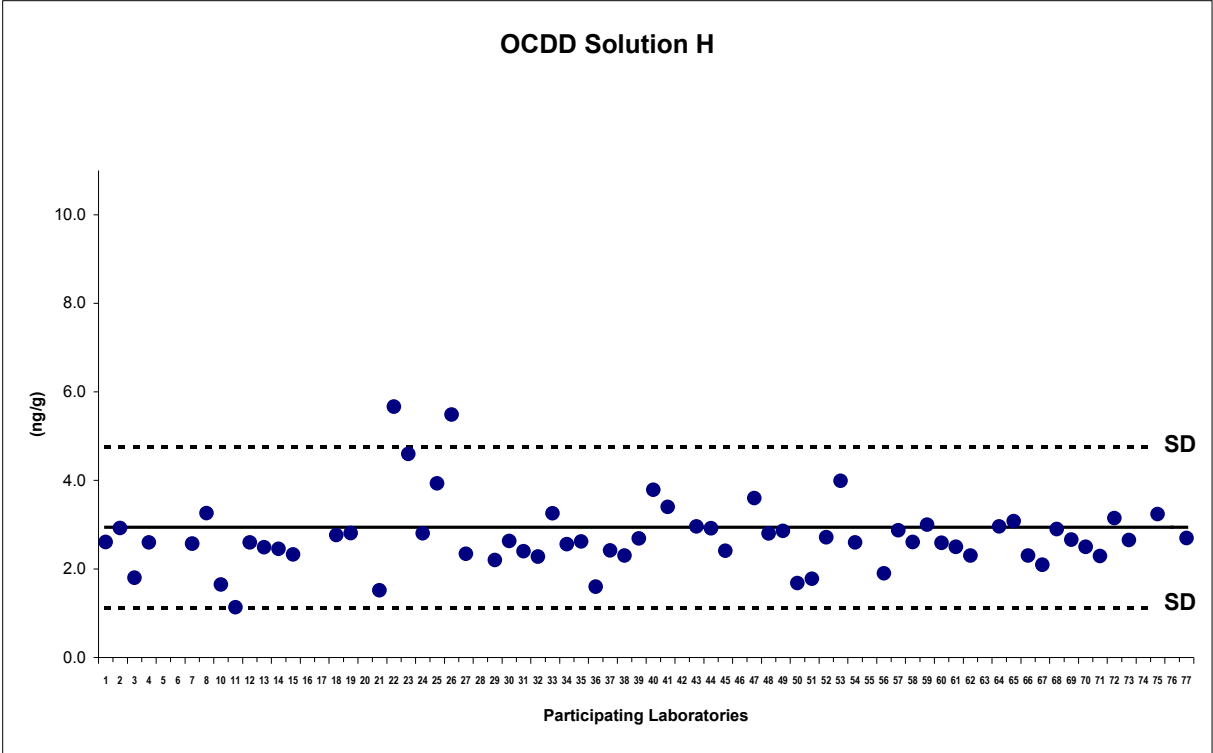


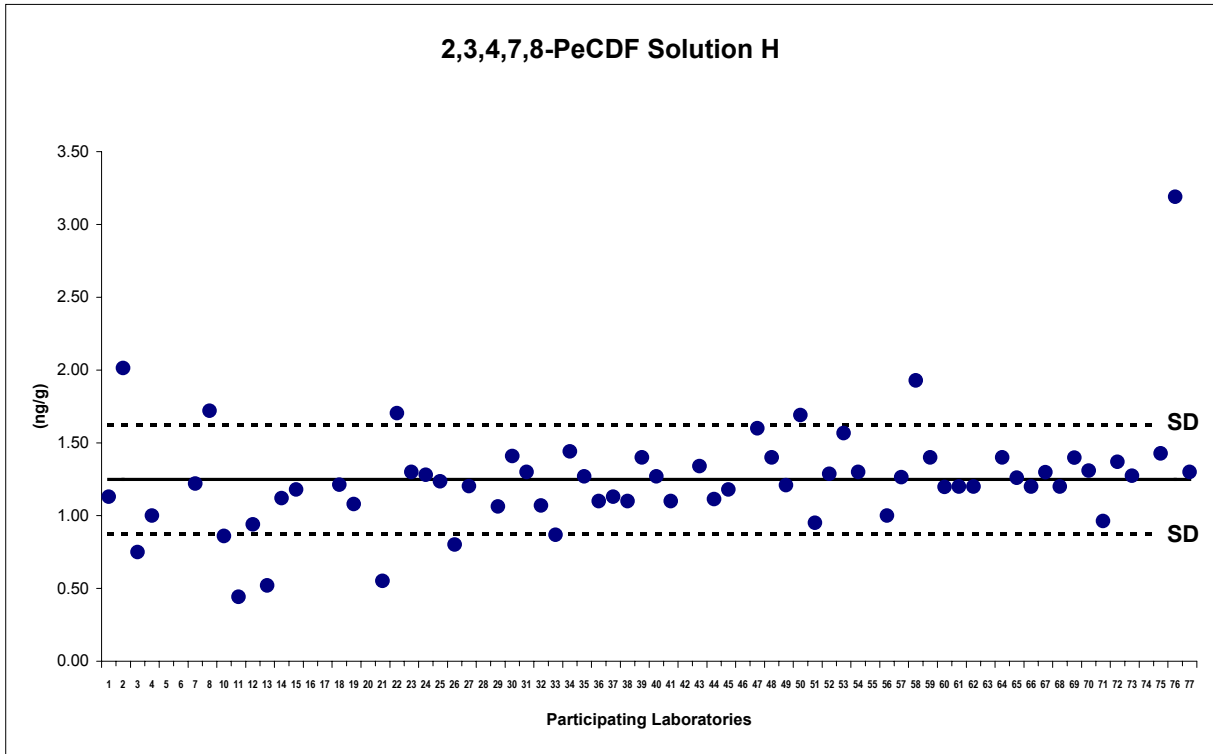
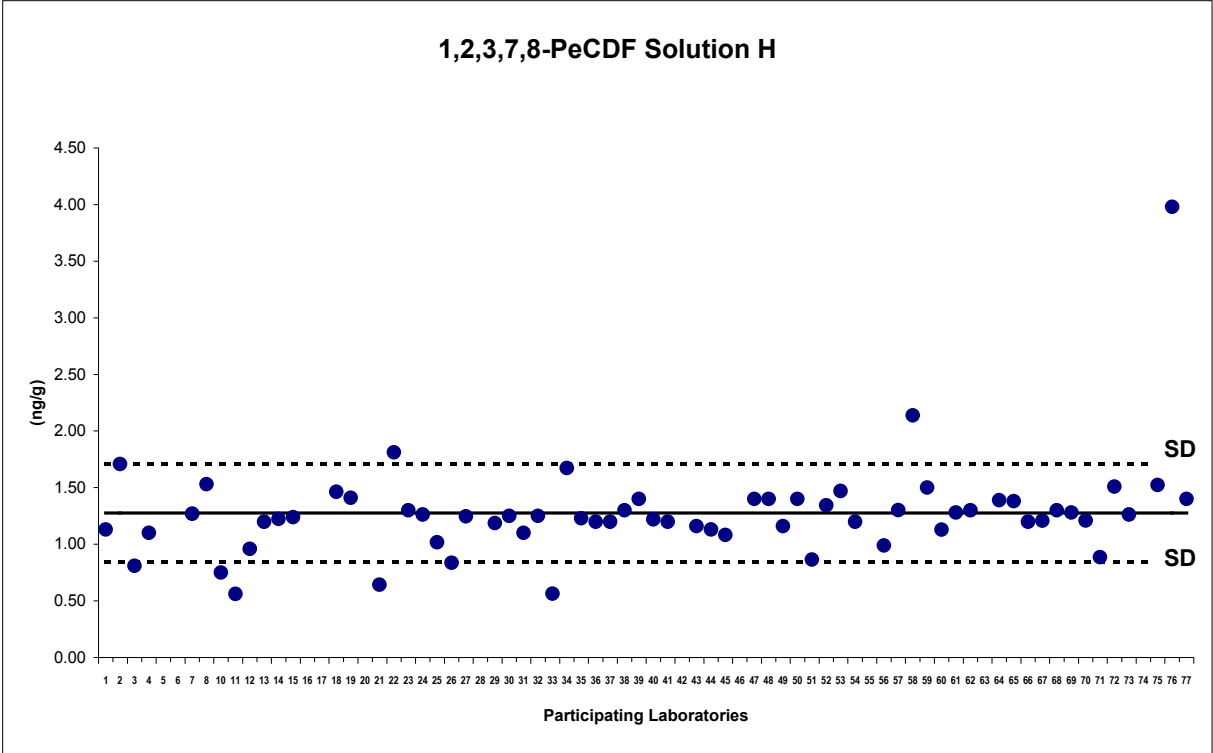


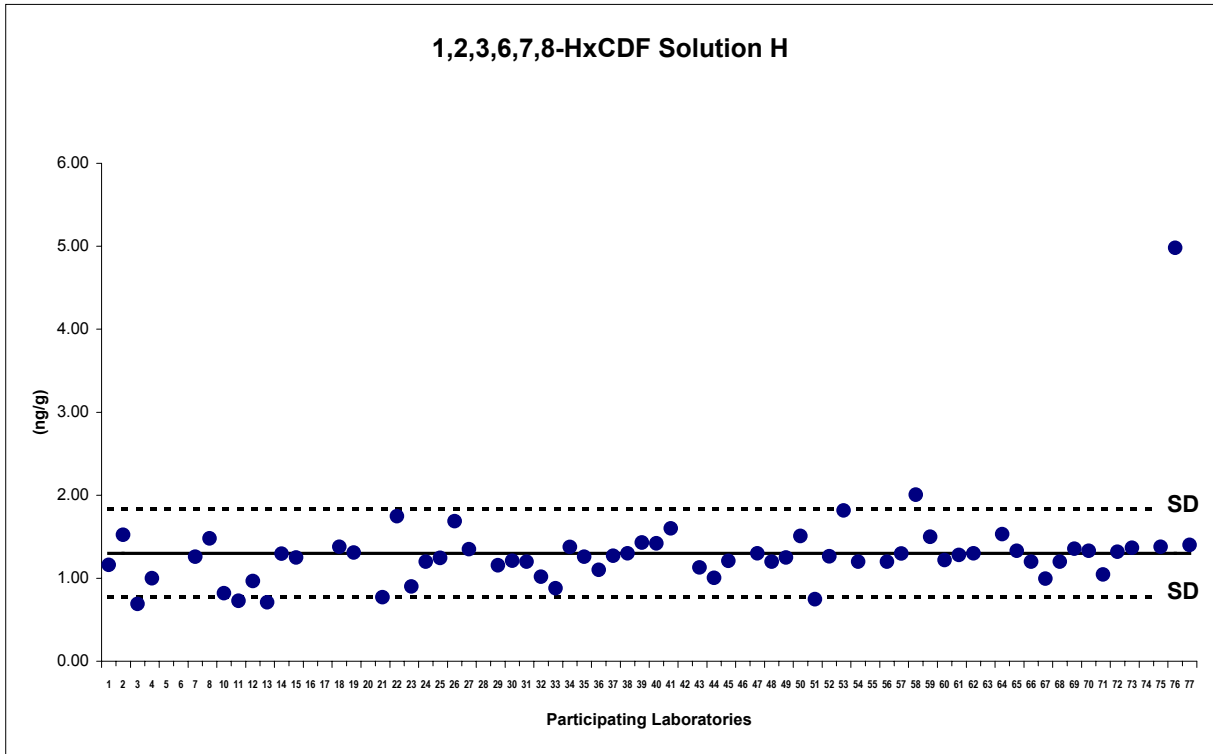
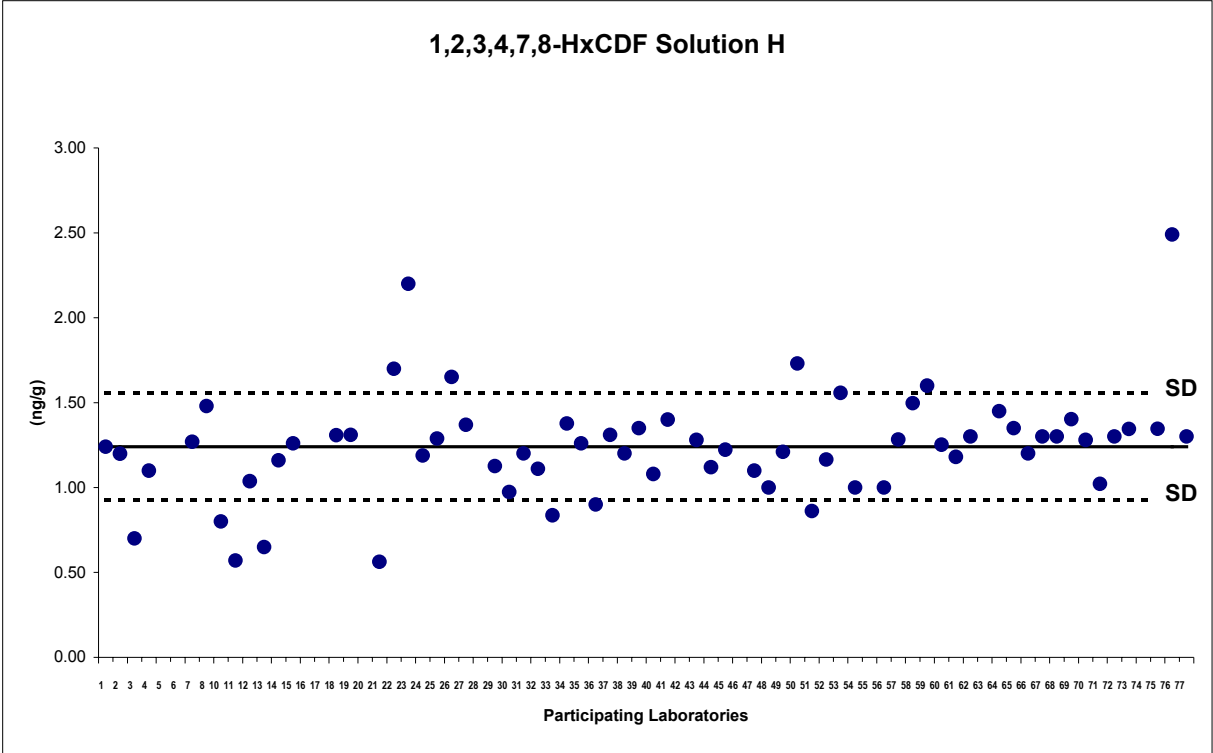


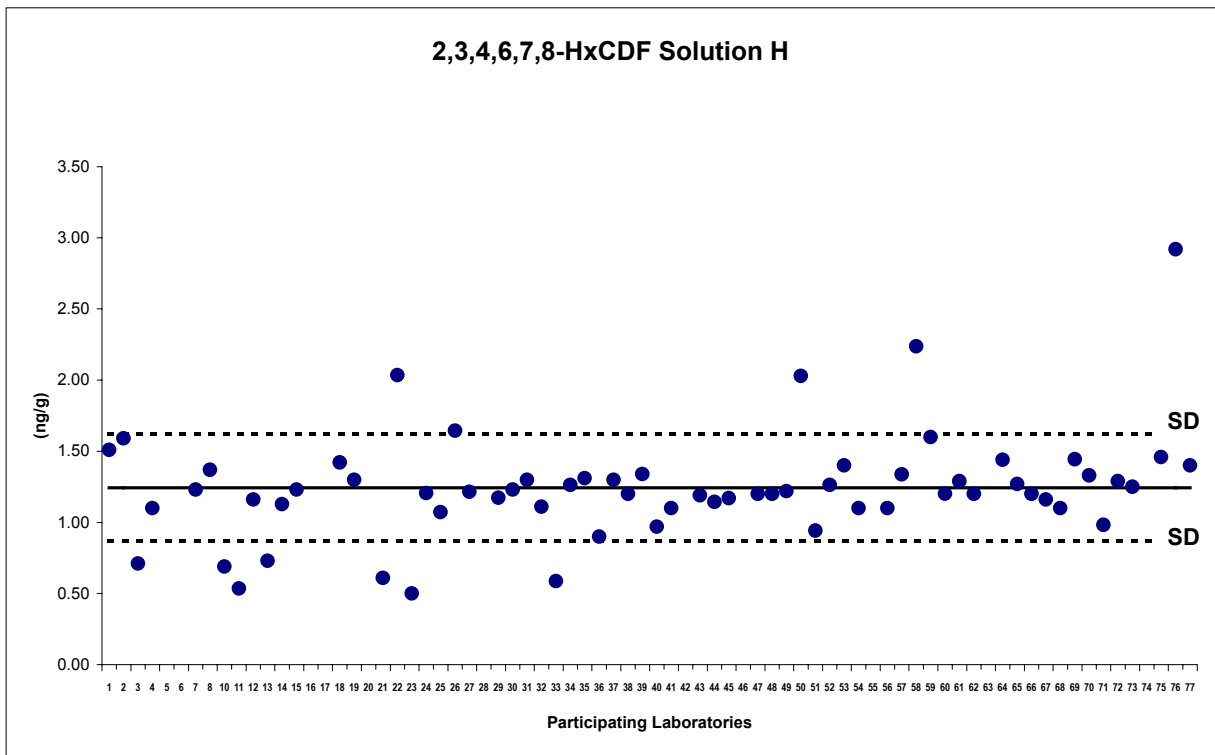
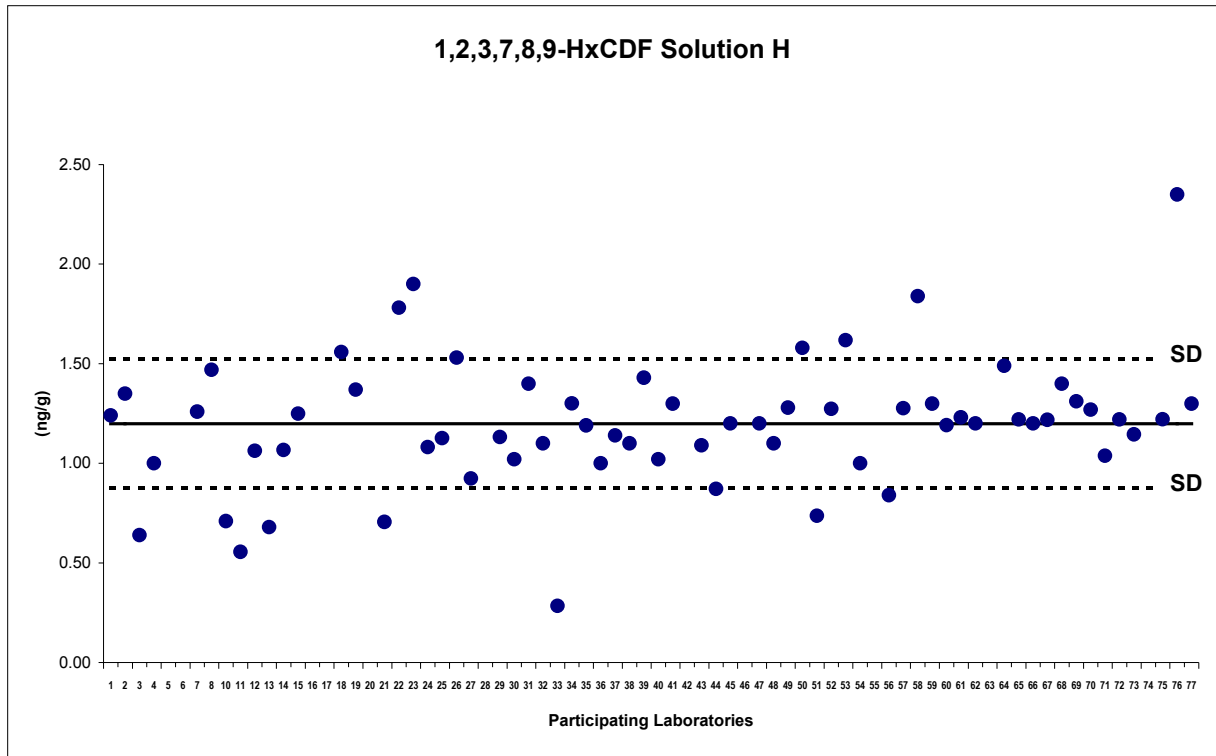




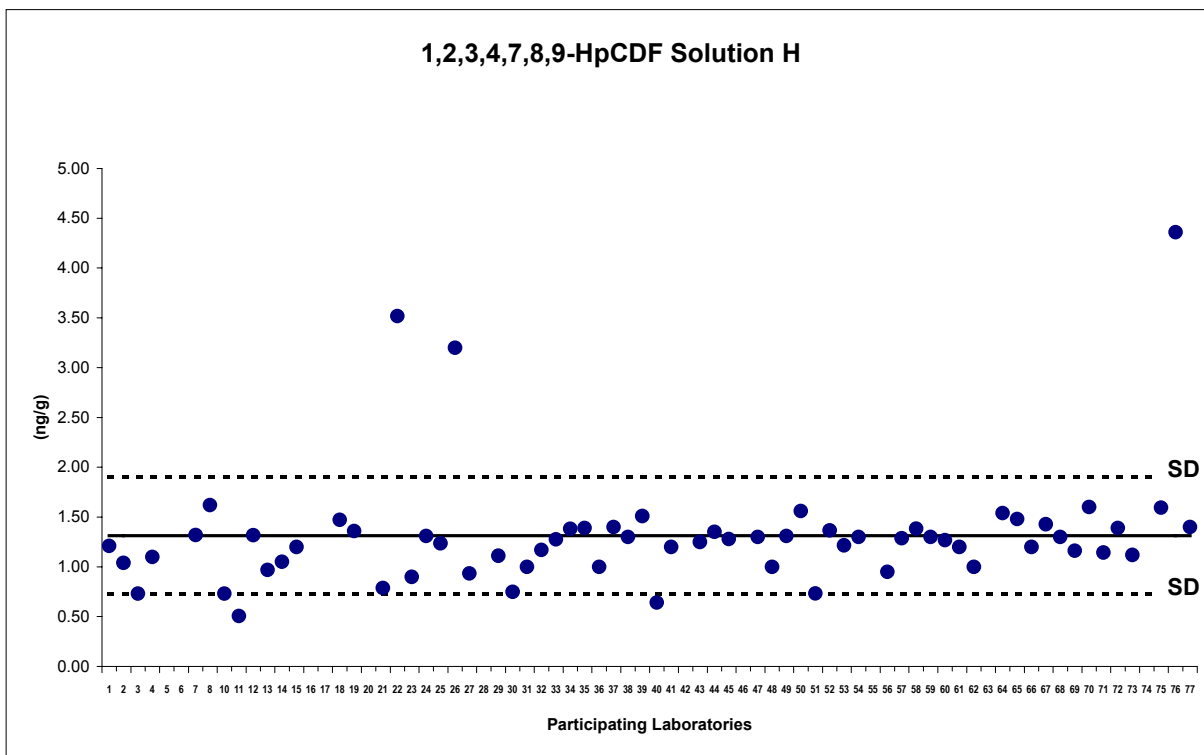
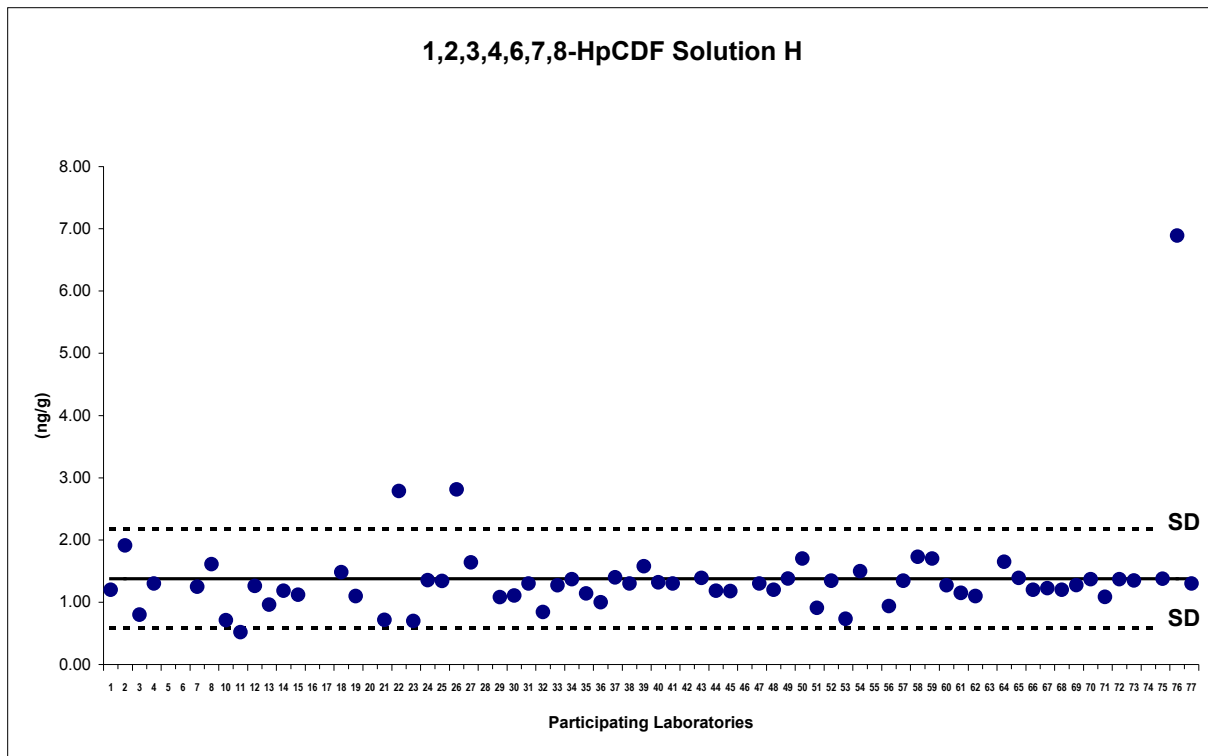


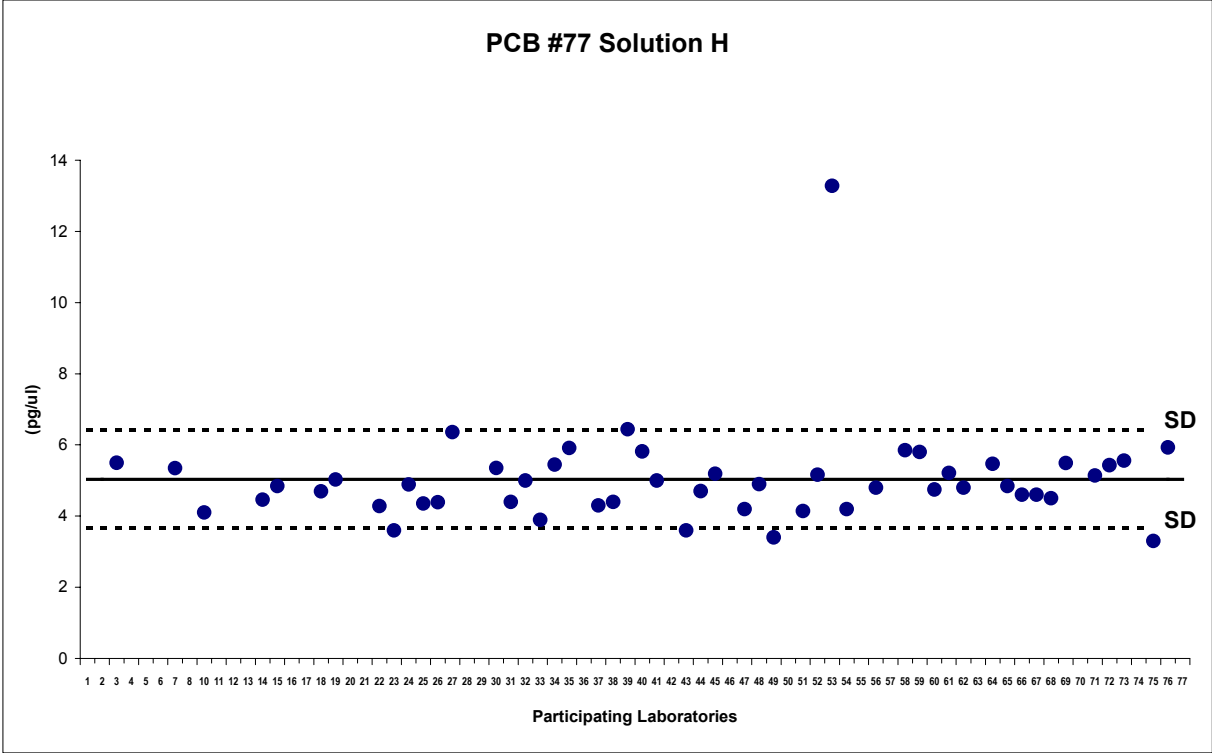
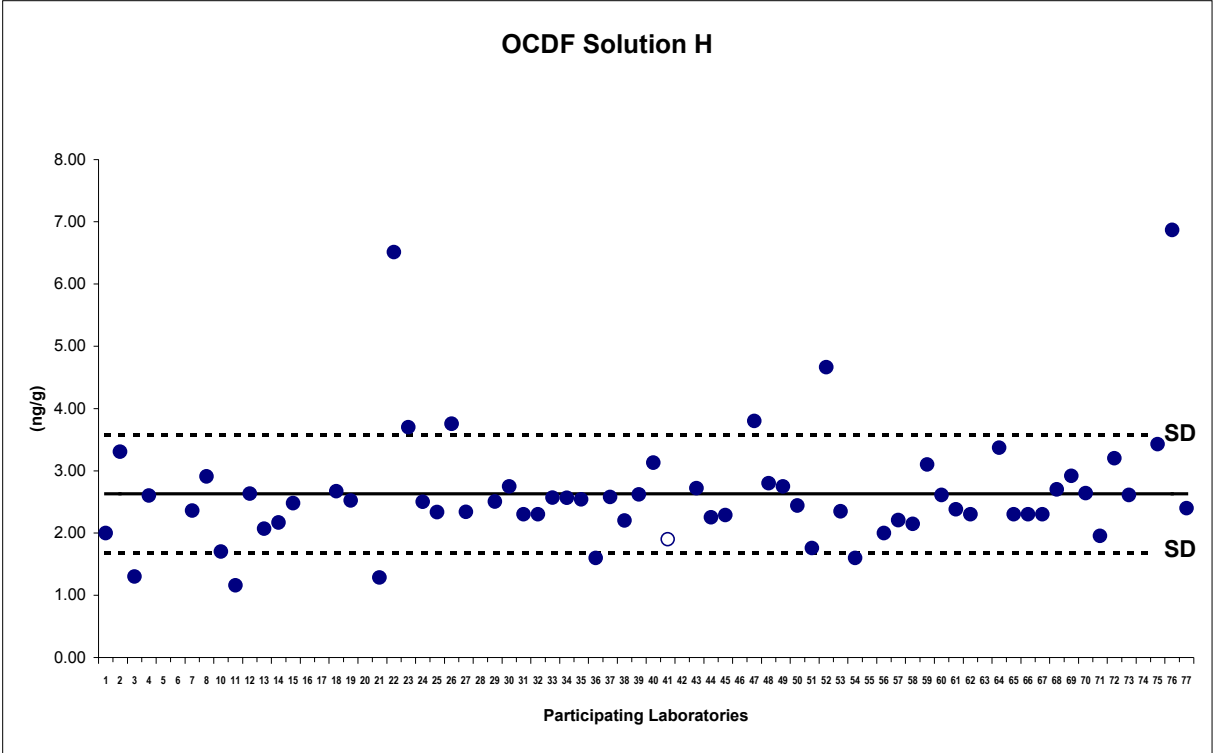


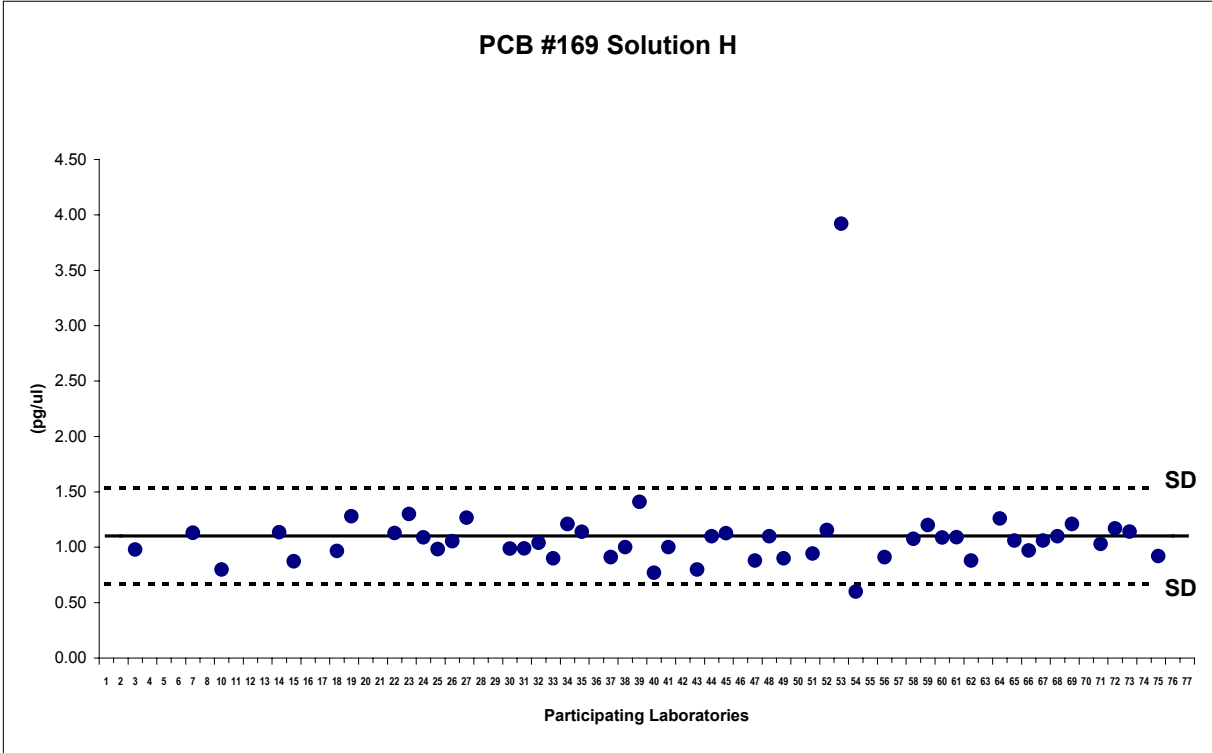
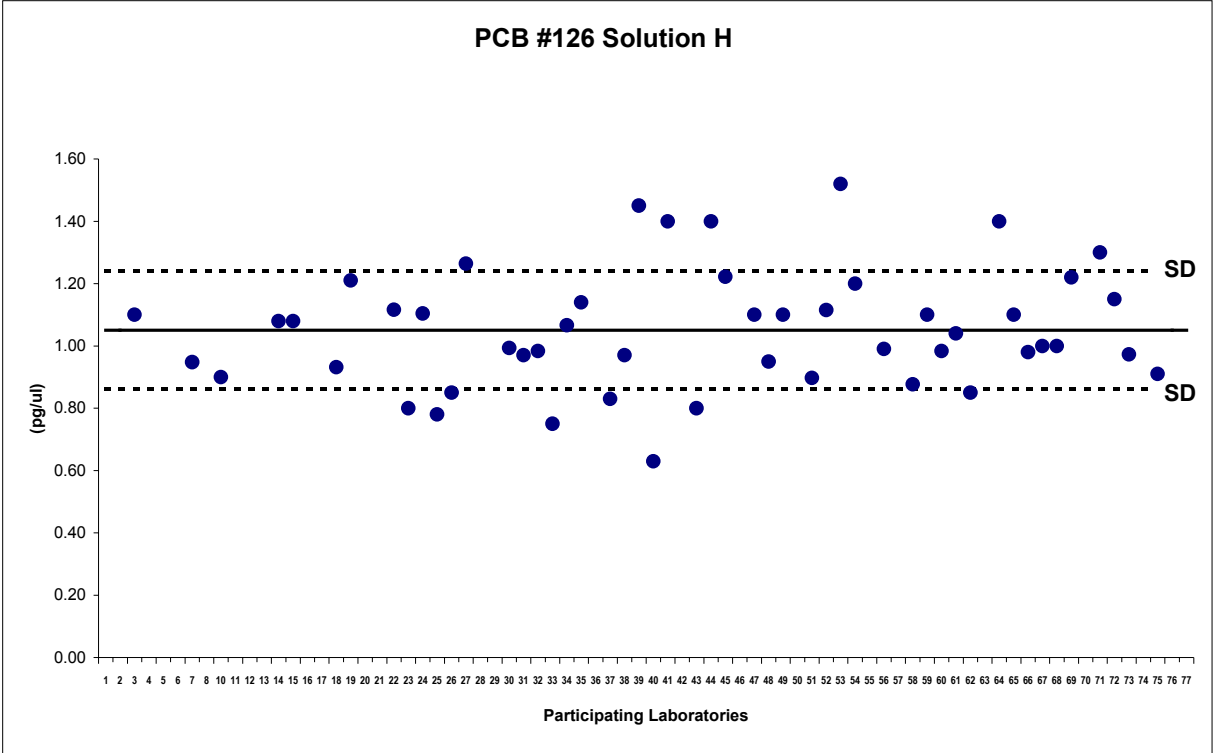


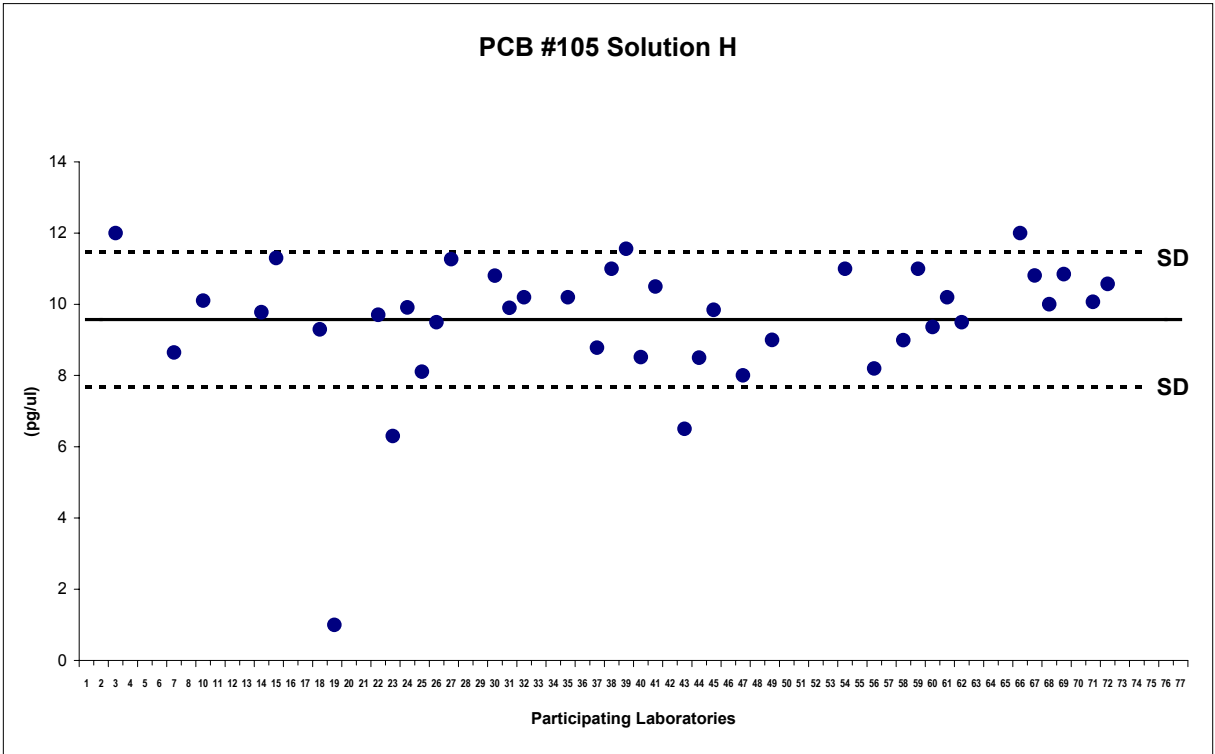
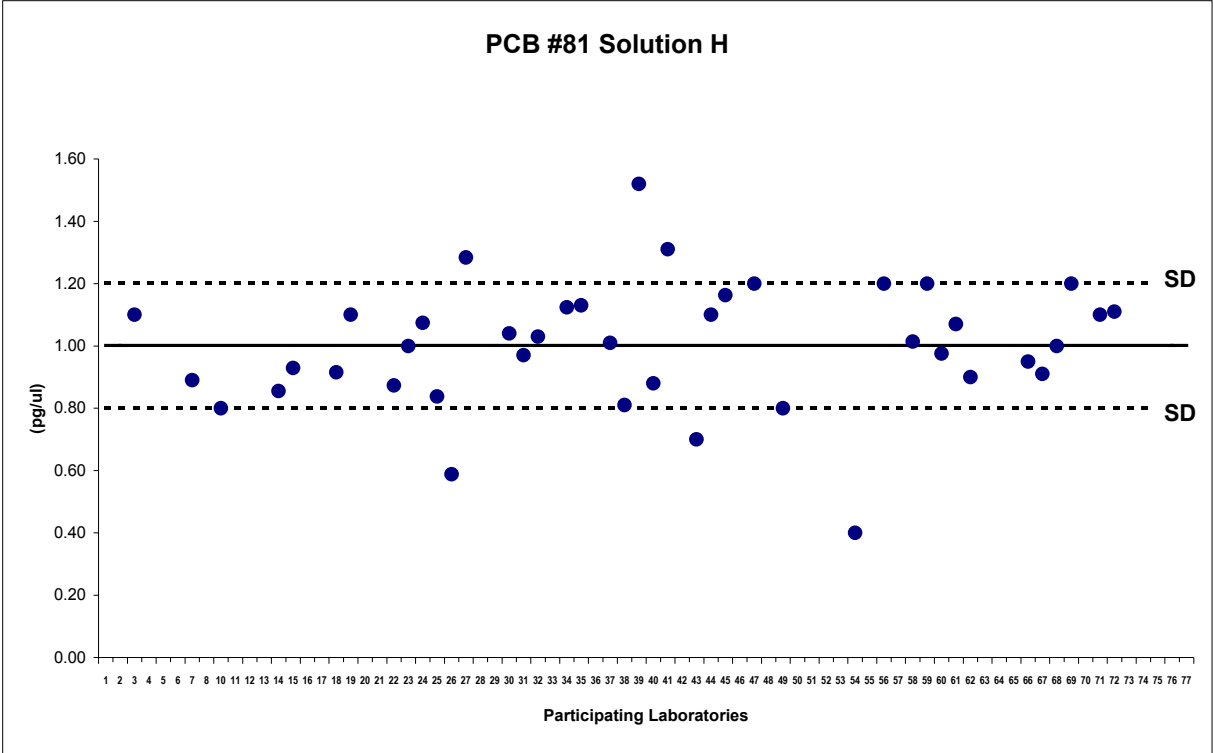


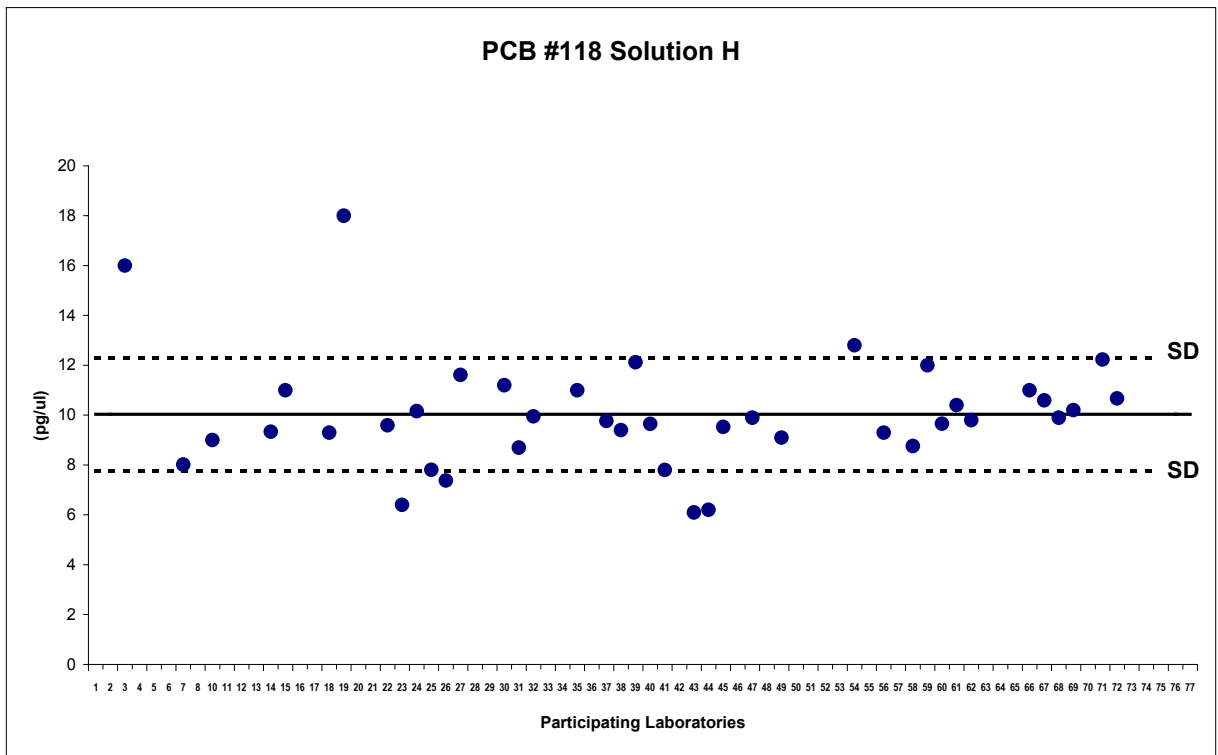
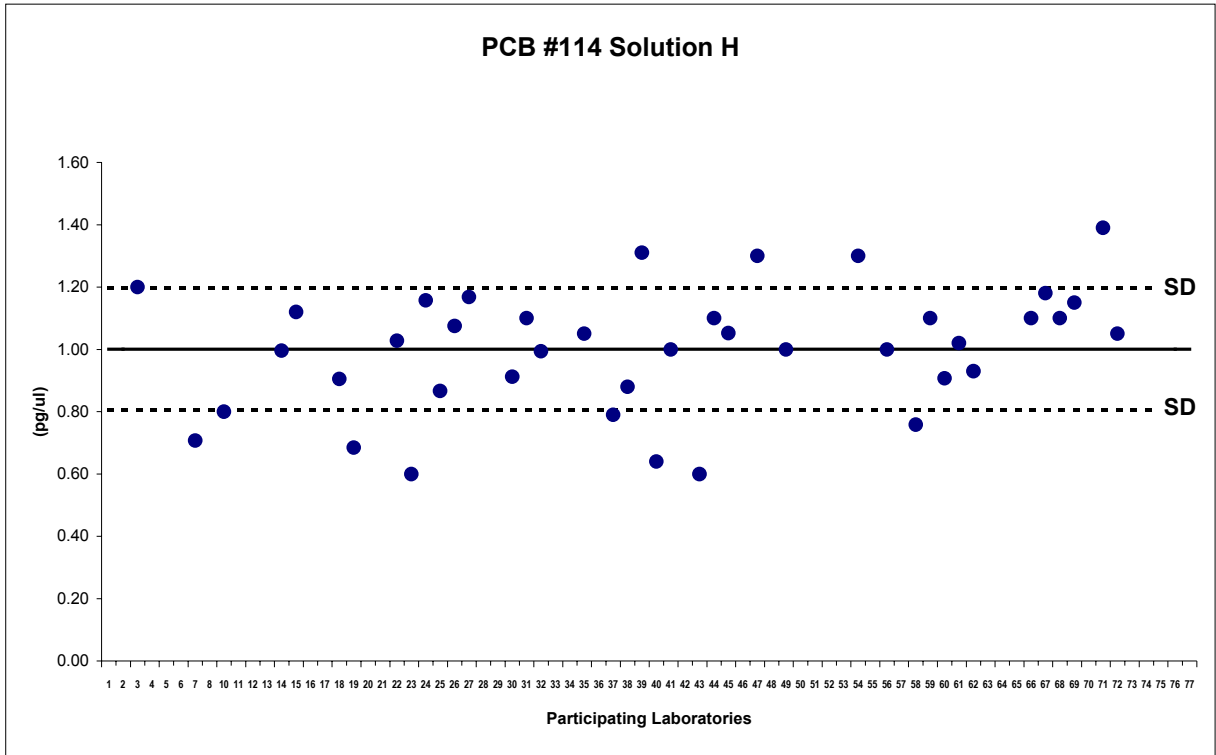


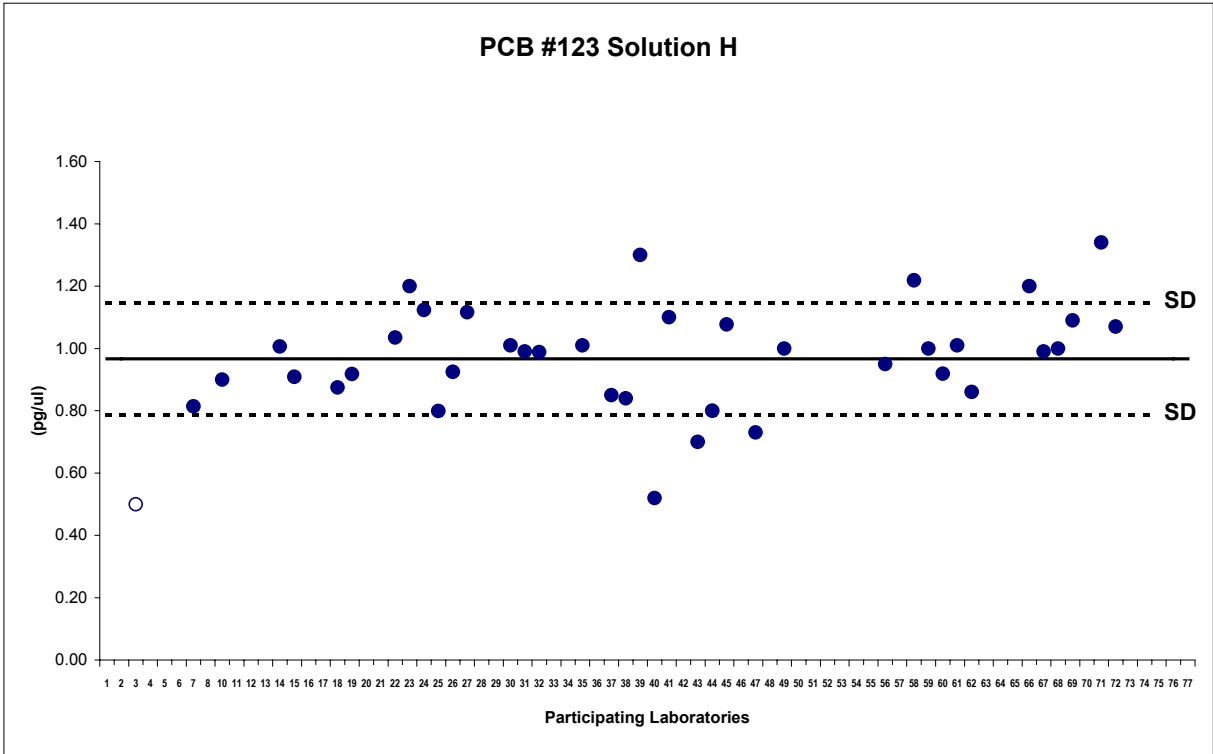
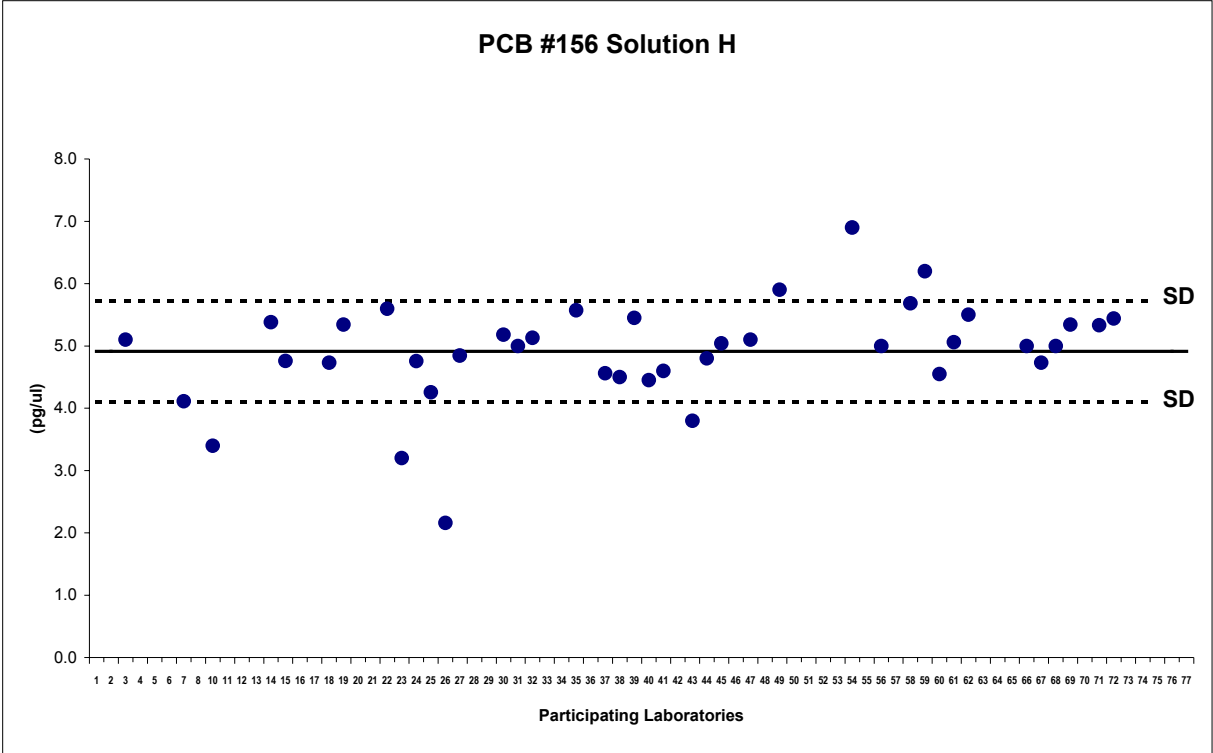


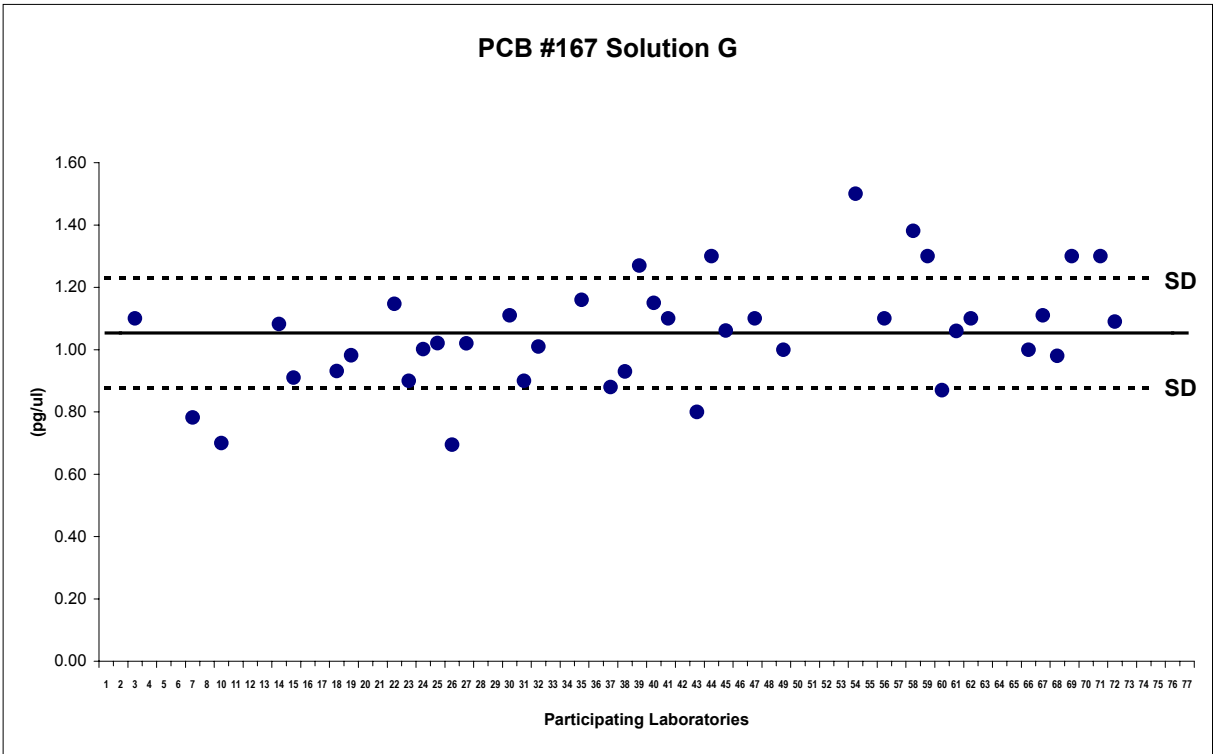
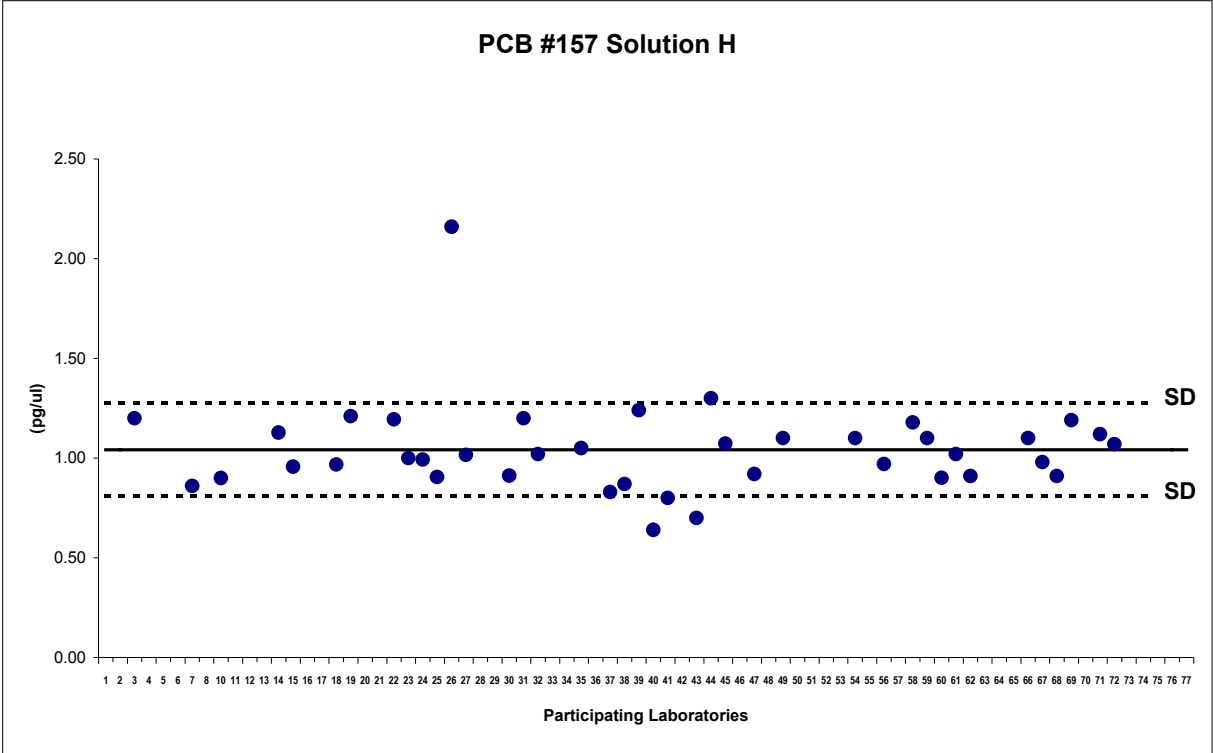




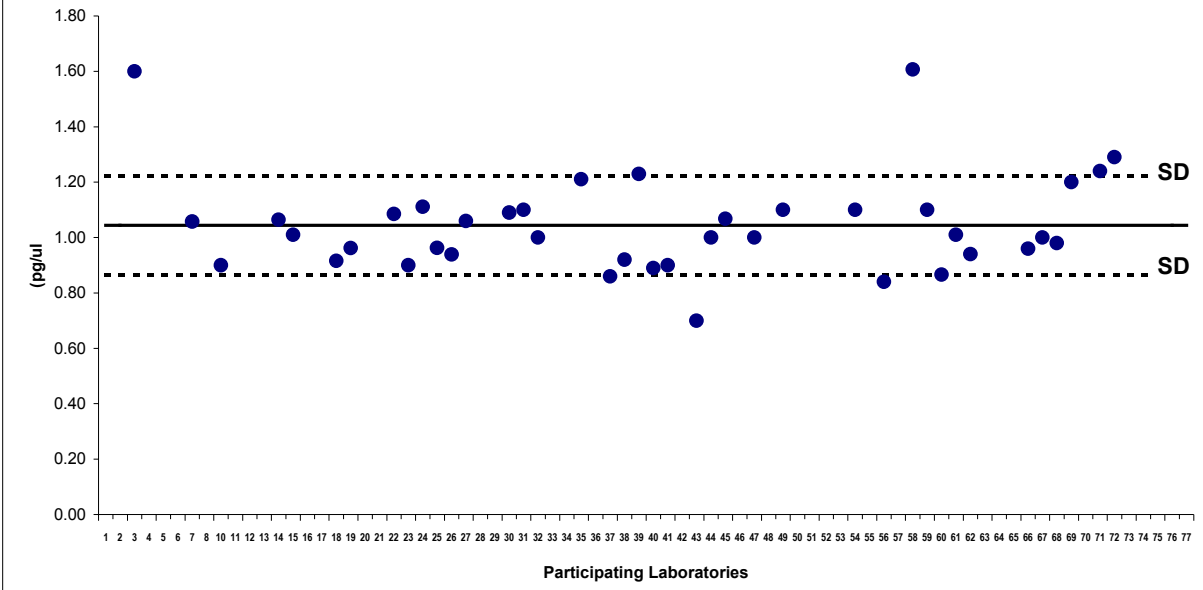








### PCB #189 Solution H





Additional Information	1	2	3	4
PCDD/DF				
Sample pretreatment	HCl digest	HCl	None	NONE
Extraction technique:	Soxhlet	soxhlet	Soxhlet	SOXHLET
Extraction solvent:	Toluene	toluene	Toluene	DICHLOROMETHANE
Clean Up:				
Silica column	Combination column acid/base/neutral silicas	Combination column	Acid/Base Florisil	YES
AlOx column	Yes - basic alumina	ICN Alumina B Super I		NO
Carbon column	No	celite/AX21		NO
GC/MS				
GC column:	DB5-MS	RTX 2330	60 m DB5-ms, 0.25/0.25	DB5-MS 60 m
GC/MS system:	Finnigan MAT 95	High Res MAT 95XL	AutoSpec Ultima	MICROMASS ULTIMA
Resolution	10000	10000	10 000	10,000
<sup>13</sup> C Internal Standards	15	9	CIL EDF 957 (10)	17
<sup>13</sup> C Recovery Standards	2	1+1234-TCDD	13C 1234 TCDD (1)	1
Method:	Based on EPA1613	Modified EN 1948	based on 1613	
Comments:				

Additional Information	5	6	7	8	9	10	11
PCDD/DF							
Sample pretreatment	none	NA				NO	Acid pre-treatment
Extraction technique:	ASE	Soxhlet				ASE	Automated Hot Soxhlet
Extraction solvent:	acetic acid and toluene	Toluene				TOLUENE	Toluene
Clean Up:							FMS automated
Silica column	yes	Yes				YES	yes:acid/base/neutral
AlOx column	yes	Yes				YES	yes
Carbon column	yes	Yes				NO	yes
GC/MS							
GC column:	ZB-5 30m	DB-5 & DB-225				DB 5MS	Quadrex DB5 60m
GC/MS system:	Micromass Ultima	Micromass, Hi-Res.				FINNIGAN MAT 95S	FINNIGAN MAT95xL, HRMS
Resolution	10 000	10 000				10000	10000
<sup>13</sup> C Internal Standards	17	15				15	15
<sup>13</sup> C Recovery Standards	2	2				2	2
Method:	EPA 8290	EPA 1613B				EPA 1613/94	Based on USEPA 1613
Comments:							

Additional Information	12	13	14	15	16	17	18
PCDD/DF							
Sample pretreatment	HCl			HCl	previous acid treatment(HCl)		ACID TREATMENT with 1N HCl
Extraction technique:	soxhlet			Soxhlet	Soxhlet		SOXHLET
Extraction solvent:	toluene			Toluene	Toluene		TOLUENE
Clean Up:							
Silica column	Y			Yes	YES		yes
AlOx column	Y			No	YES		yes
Carbon column				Yes			no
GC/MS							
GC column:	DB-5MS DB-Dioxin			SP-2331, DB-17	DB 5, SP2331		DB5MS: 60mx0.25mm id x 0.1 micrometer df
GC/MS system:	MAT-95S			Micromass AutoSpec-Ultima	Micromass Autospec HRGC/HRMS		Micromass Autospec HRMS
Resolution	~10000			10000	10,000		10 000
<sup>13</sup> C Internal Standards	16			12	15(except OCDF, 1,2,3,7,8,9-HxCDD)	16	----- 12
<sup>13</sup> C Recovery Standards	2			2	2(1,2,3,4-TCDD, 1,2,3,7,8,9-HxCDD)		
Method:	EPA1613				EPA 1613		in house
Comments:							

Additional Information	19	20	21	22	23
PCDD/DF					
Sample pretreatment			NA	2N-HCl Treatment before extraction	
Extraction technique:	Soxhlet		soxhlet	Dean Stark Soxhlet 34hr	
Extraction solvent:	toluene		toluene	Toluene	
Clean Up:					
Silica column	x		Acid Silica gel / H <sub>2</sub> SO <sub>4</sub> = 3:2 (w/w)	Multi Layer Acid44%/Neutral/Basic(30%)	
AlOx column			Acid, 50-200 mesh Brockmann grade I	Basic 10g	
Carbon column	x		Caropak C	-	
GC/MS					
GC column:	DB-5MS		DB-5	SP 2331	
GC/MS system:	Micromass Ultima Autospec		JOEL, HRGC/HRMS	High Resolution Autospec Ultima	
Resolution	10000		10,000~13,000	Over 10000	
<sup>13</sup> C Internal Standards	16		SUPELCO, EPA231S	15	
<sup>13</sup> C Recovery Standards	3		SUPELCO, EPA23RS	2	
Method:	1613		EPA 23	EPA 1613	
Comments:					

Additional Information	24	25	26	27	28	29	30
PCDD/DF							
Sample pretreatment	HCl 1N	Soxhlet	HCl treatment 5hr	Soxhlet 20hr		ASE	reflux method with HCl
Extraction technique:							
Extraction solvent:	Toluene	Toluene	Toluene			Toluene: 5% acetic acid	HCl/toluene/EGMME
Clean Up:		yes					
Silica column	YES	yes	EPA 1613			acid, basic and neutral silica	mixed
AlOx column	YES	yes	13g			non	yes
Carbon column	No	yes	-			yes	no
GC/MS							
GC column:	DB 5ms	DB-5+DB-DIOXIN	DB5-MS	AutoSpec Ultima		Cpsil 8	DB-Dioxin
GC/MS system:	MAT 95 XL	High Resolution	HRGC/HRMS	10000		AutoSpec Ultima HR	Finnigan MAT 90
Resolution	10000		12000			11000 - 12000	6000
<sup>13</sup> C Internal Standards	15		1ng			15	11
<sup>13</sup> C Recovery Standards	2		1ng			2	2
Method:	EPA 1613		EPA 1613			NF EN 1948-2,3 (modified), EPA 1613	
Comments:							

Additional Information	31	32	33	34
PCDD/DF				
Sample pretreatment	HCl	1 N HCl 2h air drying	-	
Extraction technique:	Soxhlet	Soxhlet 48 h	ASE	
Extraction solvent:	Toluene	Toluene	Toluene	
				After extraction / Before clean-up : 1 KOH and 1 H2SO4 wash
Clean Up:				
Silica column			NaOH silica/ H2SO4 silica	
AlOx column	1.5g Silver Nitrate/Silica (w/w) 1.0g Activated Silica 5.0g Activated Basic Alumina		Acidic Al2O3	Al2O3 N
Carbon column			No	
GC/MS				
GC column:	5% Amoco PX21/Silica (w/w)		J&W DB-5MS 60 m 0.25mm id, 0.25 u	SP2331 60 m
GC/MS system:	DB-5 & DB225		Kratos Concept 1S High res	Finnigan MAT95 HRMS
Resolution	Micromass HRMS		10000	10000
<sup>13</sup> C Internal Standards	10,000+			
<sup>13</sup> C Recovery Standards	2		14	17
	15		2	2
Method:				
	DFPCB-E3418		CEN EN-1948	
Comments:	(3151L1 - Soil/Sed) (3319L1 - Ash)			

Additional Information	35	36	37	38	39
PCDD/DF					
Sample pretreatment	HCl treatment		HCL	Acid treatment,HCl	no
Extraction technique:	soxhlet		SOXHLET	soxhlet	Soxhlet
Extraction solvent:	toluene		TOLUENE	toluene	toluene
Clean Up:					
Silica column	multi-layerd silica (contain AgNO3,H2SO4,KOH regin)		YES	Yes	yes
AlOx column	Yes		YES	No	yes
Carbon column	-		YES	Yes	yes
GC/MS					
GC column:	DB-5,DB-17		SP-2331,DB-17	SP-2331 DB-17	DB5-MS, 60m
GC/MS system:	Micromass,High Res.		HRGC/HRMS	High Resolution	HRGC/HRMS
Resolution	>10000		10000	10000<	10000
<sup>13</sup> C Internal Standards	10		10	17	15
<sup>13</sup> C Recovery Standards	1		2	2	2
Method:	*		JIS K 0311	JIS(Japan Industrial Standard)K0311	1613B
Comments:	*The provisional ash method of Japanese				

Additional Information	40	41	42	43	44
PCDD/DF					
Sample pretreatment	HCl treatment	hcl sonicate	sonicate with 3N HCL		
Extraction technique:	Soxhlet	soxhlet 20 hour	soxhlet		
Extraction solvent:	Toluene	90toluene/10methanol	Acetone/Toluene (1/9)		
Clean Up:					
Silica column	SiO2/SiO2/NaOH/SiO2/H2SO4	acid/base	yes		
AlOx column	Yes	4 fraction	yes		
Carbon column	Yes	n/a	no		
GC/MS					
GC column:	DB-5MS	db-5/db-225	DB-225		
GC/MS system:	Low Res	vg-ultima/kratos hi-res	VG70s High Res		
Resolution		10000	10000		
<sup>13</sup> C Internal Standards	12	1ng 1613	9		
<sup>13</sup> C Recovery Standards	2	1613	2		
Method:	EPA 8280*	modified 1613	Env Can Reference Method 1/RM/3		
Comments:					



Additional Information	45	46	47	48	49
PCDD/DF					
Sample pretreatment	no		None	No	
Extraction technique:	soxhlet		Soxhlet	Soxhlet	
Extraction solvent:	toluene		Methylene Chloride, followed by Toluene	Toluene	
Clean Up:					
Silica column	acid silica		Yes	Multilayer	
AlOx column	acid alumina		Yes	Yes	
Carbon column	AX-21		No	No	
GC/MS					
GC column:	DB-5 DB-225		DB-5 initial DB-225 2378-TCDF	DB-5 60m	
GC/MS system:	HP 6890 GC AutoSpec Ultima High Res		VG-70 series sector HR GC/ HR MS	VG AutoSpec High Res	
Resolution	>10,000(10% valley)		10 000	10000	
<sup>13</sup> C Internal Standards	15		9	4	
<sup>13</sup> C Recovery Standards	2		2	9	
Method:	EPA 1613		EPA 8290	MA. 400 - D.F. 1.0	
Comments:					

Additional Information	50	51	52
PCDD/DF			
Sample pretreatment	Acid pretreatment (HCl 3M)		HCl acid digestion
Extraction technique:	Soxhlet (48 hours)	ASE	soxhlet
Extraction solvent:	toluene	Toluene + acetic acid	toluene
Clean Up:	Sample cleanup system (FMS)	H2SO4 + ...	
Silica column	X	yes	y
AlOx column	X	yes	y
Carbon column	X	yes	n
GC/MS			
GC column:	DB-5MS (30 m, 0,25 mm, 0,25 µm)	DB 5 MS + DB dioxin	SP2331
GC/MS system:	MS/MS SATURN 2000 HRGC/LRMS	Finnigan MAT 95 XL	Finnigan MAT95XL, HRMS
Resolution	LOW RESOLUTION	10000	6000
<sup>13</sup> C Internal Standards	15	16	17
<sup>13</sup> C Recovery Standards	2	2	1
Method:	EPA 1613 MS/MS (internal laboratory development)	EN 1948-2, EN 1948-3 (modified)	
Comments:			

Additional Information	53	54	55	56	57
PCDD/DF					
Sample pretreatment	dilute hydrochloric acid filtration, rinsing, drying.	HCL 1 N	none	Acid treatment, HCl	
Extraction technique:	soxhlet (BUCHI B-811)	Soxhlet 24h	column	soxhlet	
Extraction solvent:	toluene, 9 h.	toluene	toluene/methanol	toluene	
Clean Up:					
Silica column	step 1: silicagel / acid and basis silicagel	basic-, acid-, neutralsilica multilayer	acid	MERCK Silica gel 60	
AlOx column	step 2: Na2SO4 anhydrous / alumina	Basic aluminiumoxide Supergrade 1	none	ICN Alumina B Super 1	
Carbon column	step 3:	Carbopack C on	carbon	x	
GC/MS	carbon/celite mixed bed.	celite			
GC column:	DB5-MS 60, 0.25 0.25. injection : splitless 270 °C	DB5MS 60m DBDIOXIN 60m	n/a	DB-5,SP2331	
GC/MS system:	High Resolution Ultima	HP-5980, 2ul splitless JEOL sx-102 HR	n/a	High Res	
Resolution	Up to 10 000	8000-10000 40 eV, 600uA	n/a	10000	
<sup>13</sup> C Internal Standards	1-4,6-8,10-12,14,15,17	CRM614,S7(S6)	n/a	17	
<sup>13</sup> C Recovery Standards	5 + <sup>13</sup> C 1,2,3,4 T4CDD	CRM614,S8	n/a	<sup>13</sup> C-1,2,3,4-TeCDD	
Method:	EN 1948-2,3	SFS-EN-1948 and EPA 1613	calux		
Comments:		Calculated as described in EN-1948			
		S7 quantitation as in EN-1948			

Additional Information	58	59	60	61
PCDD/DF				
Sample pretreatment	HCl	HCl	HCL treatment	HCl acid digestion
Extraction technique:	soxhlet	soxhlet	Soxhlet	soxhlet
Extraction solvent:	toluene	toluene	Toluene	Filtrate - DCM Ash - toluene/acetone
Clean Up:				
Silica column	yes	multi silica column	Yes	Multilayer with AgNO <sub>3</sub>
AlOx column	yes	non	Yes	N/A
Carbon column	yes	carbon silica column	Yes	Modified PX21
GC/MS				
GC column:	DB5MS, DB17	DB-5/DB-17	5% phenyl / 95% dimethyl polysiloxane 90% bicyanopropyl/10% phenylcyanopropyl polysiloxane	DB5/DB225
GC/MS system:	Trace2000/GCQplus ThermoQuest	JMS700D	Micromass - Ultima	VG70SE HRMS
Resolution	low	10000	10,000 - 12,000	10000
<sup>13</sup> C Internal Standards	15	10	16	15
<sup>13</sup> C Recovery Standards	2	1	2	2
Method:	own,		Internal + 8290	EPA 1613
Comments:				

Additional Information	62	63	64	65
PCDD/DF				
Sample pretreatment	HCl	None		Acid treatment, HCl 1M.
Extraction technique:	soxhlet	Dionex ASE 200	Soxhlet	Soxhlet
Extraction solvent:	toluene	Toluene	Toluen	Toluene
Clean Up:				
Silica column	3g n-Hex 250ml	Multi-layered	H2SO4silica/Silica/ KOHsilica	Silica + KOH/Silica
AlOx column	non	Mini column	Basic alox	Yes
Carbon column	1g	no	AX-21	AX21 on glassfibers
GC/MS	n-Hex 50ml,toluene 250ml	no		
GC column:	SP2331 DB-17	DB5 -ms	DB-5, RTx2330	Rtx-2330
GC/MS system:	High Res	High Resolution	HP5890 / VG70-250S	Micromass Autospec, high res.
Resolution	10000	10500	8000	10000
<sup>13</sup> C Internal Standards	1,2,4,6,7,8,9,11,15,17		16 + 3(PCB)	13
<sup>13</sup> C Recovery Standards	10,16	15	2	1
Method:		2		based on EPA 1613
Comments:		M1613		

Additional Information	66	67	68
PCDD/DF			
Sample pretreatment	Acid treatment(HCl)	HCl acid treatment	HCL treatment
Extraction technique:	soxhlet	soxhlet	Soxhlet
Extraction solvent:	toluene	toluene	Toluene
Clean Up:			
Silica column	multilayer Silica column	yes B-fraction	Yes
AlOx column	basic Almina	yes	No
Carbon column		no	Yes
GC/MS			
GC column:	DB-17HT 60m 0.32mm SP-2331 60m 0.32mm	DB-5 and SP-2331	DB-5, SP-2331
GC/MS system:	micromass Autospec Ultima	HRGC/HRMS HP 5890/VG AutoSpec	HP 6890/micromass Autospec Ultima
Resolution	>10,000(5% valley)	8000	>10,000(10% valley)
<sup>13</sup> C Internal Standards	19(17toxic isomer + 1368TCDD,1368TCDF)	17	17
<sup>13</sup> C Recovery Standards	1(1234-TCDD)	1	2
Method:			JIS K 0311
Comments:		Florisil column	

Additional Information	69	70	71	72
PCDD/DF				
Sample pretreatment	Acid treatment (HCl)	HCl		Acid treatment
Extraction technique:	Soxhlet	ASE 200		Soxhlet
Extraction solvent:	Toluene	Toluene		toluene
Clean Up:				
Silica column	Yes	Si/AgNO <sub>3</sub> ; Si/H <sub>2</sub> SO <sub>4</sub> ; Si/NaOH		Dioxin Prep With 3 column
AlOx column	No	Al <sub>2</sub> O <sub>3</sub> basic		Dioxin Prep With 3 column
Carbon column	Yes	/		Dioxin Prep With 3 column
GC/MS				
GC column:	RTX-5 DB-Dioxin	DB 5 MS		DB5MS 60 mt 0,25mm 0,25µm
GC/MS system:	Autospec (Micromass) High Resolution	MSI, Dioxin Concept		Micromass Autospec Ultima M303
Resolution	10000	11000		10.000 10% valley
<sup>13</sup> C Internal Standards	15	2		15
<sup>13</sup> C Recovery Standards	2	15		2+1 clean up
Method:		EPA 1613		EPA 1613B/94
Comments:				

Additional Information	73	74	75	76	77
PCDD/DF					
Sample pretreatment	HCL 1M	Acid treatment, HCl	HCl	Acid treatment, HCl	
Extraction technique:	Soxhlet	soxhlet	Soxhlet	Soxhlet	
Extraction solvent:	TOLUENE	toluene	Toluene	Toluene	
Clean Up:					
Silica column	yes	20g	Yes	no	
AlOx column	yes	2.5g	Yes	Yes	
Carbon column	no	-	Yes	yes, carboxphere	
GC/MS					
GC column:	DB5-MS CPSil88 & DB-dioxin	SP2331 DB-5ms (30m)	DB-5ms	DB-5 & SP2330	
GC/MS system:	Autospec Ultima	HR (MAT 95XL)	Finnigan 95XL	Kratos Concept, HR	
Resolution	High résolution : 10000	10,000	10000	8000	
<sup>13</sup> C Internal Standards	all without number 5	17	5	16	
<sup>13</sup> C Recovery Standards	1234; 123789hxCDD	1	1	0	
Method:	NF EN 1948 (2-3)	similar to EPA 1613	EPA 1613	EPA 1613	
Comments:					



Participant code:	1	2	3	4	5	6
<b>PCDD/DF</b>						
Extraction technique:	Soxhlet			NONE		none
Extraction solvent:	Toluene			SOXHLET		ASE
<b>Clean Up:</b>				DICHLOROMETHANE		acetic acid and toluene
Silica column	Yes - combination column					
AlOx column	Yes - basic alumina			YES		yes
Carbon column	No			NO		yes
<b>GC/MS</b>						
GC column:	DB5-MS			NO		yes
GC/MS system:	Finnigan MAT 95			DB5-MS 60 m		ZB-5 30m
Resolution	10000			MICROMASS ULTIMA		Micromass Ultima
<sup>13</sup> C Internal Standards	<sup>15</sup>			10,000		10 000
<sup>13</sup> C Recovery Standards	2					
Method:	Based on EPA1613			17 1		17 2
Comments:				EPA 8290		EPA 8290

Participant code:	7	8	9	10	11	12	13
<b>PCDD/DF</b>							
Extraction technique:	Soxhlet	Soxhlet		ASE	Automated Hot Soxhlet		Soxhlet
Extraction solvent:	Toluene	Toluene		TOLUENE	Toluene		Toluene
<b>Clean Up:</b>					FMS automated		
Silica column	Yes	Yes		YES	yes:acid/base/neutral		Yes
AlOx column	Yes	Yes		YES	yes		Yes
Carbon column	Yes	Yes		NO	yes		No
<b>GC/MS</b>							
GC column:	DB-5 & DB-225	DB-5, 60m		DB 5MS	Quadrex DB5 60m		DB-5
GC/MS system:	Micromass, Hi-Res.	HP6890/5973		FINNIGAN MAT 95S	Finnigan MAT95xL, HRMS		Micromass HRMS
Resolution	10 000	Low res.		10000	10000		10 000
<sup>13</sup> C Internal Standards	15	15		15	9		15
<sup>13</sup> C Recovery Standards	2	2		2	2		2
Method:	EPA 1613B	Method from Umeå		EPA 1613/94	*Based on USEPA 1613		EPA 1613
Comments:							

Participant code:	14	15	16	17	18
<b>PCDD/DF</b>					
Extraction technique:	Soxhlet	Soxhlet	Soxhlet	soxhlet	
Extraction solvent:	Toluene	Toluene	Toluene	toluene	
<b>Clean Up:</b>					
Silica column	Yes	Yes	YES	y	
AlOx column	Yes	No	YES	y	
Carbon column	No	Yes	YES	n	
<b>GC/MS</b>					
GC column:	DB-5 MS	SP-2331, DB-17	DB-5, SP 2331	SP2331	
GC/MS system:	VG Autospec	Micromass AutoSpec-Ultima	Micromass Autospec HRGC/HRMS	Micromass HRMS	
Resolution	>10000	10000	10 000	10 000	
<sup>13</sup> C Internal Standards	9	12	15(except OCDF, 1,2,3,7,8,9-HxCDD)	17	
<sup>13</sup> C Recovery Standards	2	2	2(1,2,3,4-TCDD, 1,2,3,7,8,9-HxCDD)	1 (37Cl4-TCDD)	
Method:	EPA 8290A		EPA 1613	in house	
Comments:					

Participant code:	19	20	21	22	23
<b>PCDD/DF</b>					
Extraction technique:	SDS-Soxhlet		soxhlet	Dean Stark Soxhlet 34hr	
Extraction solvent:	toluene		toluene	Toluene	
<b>Clean Up:</b>					
Silica column	x		Acacid	Multi Layer	
AlOx column			Silica gel / H2SO4 = 3:2 (w/w)	Neutral/Acid44%/Neutral/Basic(30%)/Neutral	
Carbon column	x		Acid, 50-200 mesh Brockmann grade I Caropak C	Basic 10g	
<b>GC/MS</b>					
GC column:	DB-5MS		DB-5	SP 2331	
GC/MS system:	Micromass Ultima Autospec		JOEL, HRGC/HRMS	High Resolution Autospec Ultima	
Resolution	10000		10,000~13,000	Over 10000	
<sup>13</sup> C Internal Standards	16		SUPELCO, EPA1613LCS	15	
<sup>13</sup> C Recovery Standards	3		SUPELCO, EPA23RS	2	
Method:	1613		EPA 1613	EPA 1613	
Comments:				DMSO Treatment after Alumina Column	

Participant code:	24	25	26	27	28	29	30
<b>PCDD/DF</b>							
Extraction technique:	ASE		Soxhlet 20hr			soxhlet (Buchi)	soxhlet
Extraction solvent:	Hexane/Acetone		Toluene			Toluene	toluene
<b>Clean Up:</b>							
Silica column	YES		EPA 1613			Yes	mixed
AlOx column	YES		13g			Yes	yes
Carbon column	No		-			Yes	no
<b>GC/MS</b>							
GC column:	DB 5ms		DB5-MS			Cpsil 8	DB-Dioxin
GC/MS system:	MAT 95 XL		HRGC/HRMS			AutoSpec Ultima HR	Finnigan MAT 90
Resolution	10000		12000			11000 - 12000	6000
<sup>13</sup> C Internal Standards	15		1ng			15	11
<sup>13</sup> C Recovery Standards	2		1ng			2	2
Method:	EPA 1613		EPA 1613			EPA 1613	
Comments:						Sulphur treatment for sediment	

Participant code:	31	32	33
<b>PCDD/DF</b>			
Extraction technique:	Soxhlet	Soxhlet	Soxhlet 24 h
Extraction solvent:	Toluene	Toluene	Toluene
<b>Clean Up:</b>			
Silica column	1.5g Silver Nitrate/Silica (w/w)	Concentrated H2SO4 partitioning 1g neutral/6g acidic silica (40%H2SO4 w/w).	NaOH silica/ H2SO4 silica
AIOx column	1.0g Activated Silica		Acidic Al2O3
Carbon column	5.0g Activated Basic Alumina	Neutral Alumina	Supelco Carbopack C/Celite
<b>GC/MS</b>			
GC column:	DB-5 & DB225	PX-21	J&W DB-5MS 60 m 0.25mm id, 0.25 u
GC/MS system:	Micromass HRMS	DB-5MS	Kratos Concept 1S High res
Resolution	10,000+ 2	Autospec-Ultima	10000
<sup>13</sup> C Internal Standards	15	11 000	14
<sup>13</sup> C Recovery Standards			2
Method:	DFPCB-E3418 (3151L1 - Soil/Sed)	15 2	CEN EN-1948
Comments:	(3319L1 - Ash)	Combination EPA-1613B, 8290, Draft 1668	Cu chippings during extr
	Confirmed using DB225 GC column		

Participant code:	34	35	36	37
<b>PCDD/DF</b>				
Extraction technique:	ASE + Cu	soxhlet	soxhlet	
Extraction solvent:	Toluene	toluene	toluol	
	After extraction / Before clean-up : 1-2 H2SO4 washes			
<b>Clean Up:</b>				
Silica column	Si B/N/A	multi-layerd silica (contain AgNO3,H2SO4,KOH regin)	acid/basic	
AlOx column	Al2O3B	Yes	Alumina B - Super I	
Carbon column	Carbon	Optional		
<b>GC/MS</b>				
GC column:	SP2331 60 m	DB-5,DB-17,SP2331	DB-5MS, 60/0,25/0,1	
GC/MS system:	Finnigan MAT95 HRMS	Micromass.High Res.	GC-HRMS	
Resolution	10000	>10000	>10000	
<sup>13</sup> C Internal Standards	17	10	14	
<sup>13</sup> C Recovery Standards	2	1	14	
Method:	(Power-prepTM)	**	EN 1948-2	
Comments:		**The provisional sediment method of Japanese EPA		

Participant code:	38	39	40	41	42	43
<b>PCDD/DF</b>						
Extraction technique:	soxhlet			n/a		
Extraction solvent:	toluene acetone,hexane			soxhlet 20 hour		
<b>Clean Up:</b>				90ch2cl2/10methanol		
Silica column	Yes					
AlOx column	No			acid/base		
Carbon column	Yes			4 fraction		
<b>GC/MS</b>						
GC column:	SP-2331 DB-17			n/a		
GC/MS system:	High Resolution			db-5/db-225		
Resolution	10000<			vg-ultima/kratos hi-res		
<sup>13</sup> C Internal Standards	17			10000		
<sup>13</sup> C Recovery Standards	2					
Method:	JIS(Japan Industrial Standard)K0311					
Comments:				modified 1613		



Participant code:	44	45	46
<b>PCDD/DF</b>			
Extraction technique:	soxhlet	soxhlet	
Extraction solvent:	toluene	toluene	
<b>Clean Up:</b>			
Silica column	yes	acid silica & silver nitrate (AgNO <sub>3</sub> ) on silica	
AlOx column	yes	acid alumina	
Carbon column		AX-21	
<b>GC/MS</b>			
GC column:	DB-5, DB-DIOXIN	DB-5 DB-225	
GC/MS system:	Finnigan MAT95 HiRes + HP 6890	HP 6890 GC AutoSpec Ultima High Resolution Mass Spec	
Resolution		10000 >10,000(10% valley)	
<sup>13</sup> C Internal Standards	1	15	
<sup>13</sup> C Recovery Standards	17	2	
Method:			
Comments:	Lab-method based on EPA 1613 and H.P. Hagenmaier	EPA 1613	

Participant code:	47	48	49	50	51
<b>PCDD/DF</b>					
Extraction technique:	None		Soxhlet	Soxhlet (48 hours)	
Extraction solvent:	Soxhlet		toluene	toluene	
	Methylene Chloride, followed by Toluene				
<b>Clean Up:</b>				Sample cleanup system (FMS)	
Silica column			Yes	Acid silica precolumn + FMS silica column	
AlOx column	Yes		Yes	X	
Carbon column	Yes		No	X	
<b>GC/MS</b>					
GC column:	No		DB-Dioxin, J&W SP2331, Supelco	DB-5MS (30 m, 0,25 mm, 0,25 µm)	
GC/MS system:	DB-5 initial DB-225 2378-TCDF		HR-GC, HP5890 HR-MS, VG-Autospec	GC VARIAN 3800/MS/MS SATURN 2000 HRGC/LRMS	
Resolution	VG-70 series sector HR GC/ HR MS		10000	LOW RESOLUTION	
<sup>13</sup> C Internal Standards	10000		17	15	
<sup>13</sup> C Recovery Standards			1	2	
Method:	9 2		EPA 1613	EXTRACTION AND CLEANUP - EPA 1613 QUANTIFICATION - MS/MS (internal laboratory development)	
Comments:	EPA 8290				

Participant code:	52	53	54	55	56
<b>PCDD/DF</b>					
Extraction technique:	none			column	x
Extraction solvent:	soxhlet			toluene/methanol	soxhlet
	toluene				toluene
<b>Clean Up:</b>					
Silica column				acid	
AlOx column	y			none	MERCK Silica gel 60
Carbon column	y			carbon	ICN Alumina B Super 1
<b>GC/MS</b>					
GC column:	n			n/a	WAKO Active Carbon-impregnated Silica gel
GC/MS system:	SP2331			n/a	DB-5,SP2331
Resolution	Finnigan MAT95XL, HRMS			n/a	High Res
<sup>13</sup> C Internal Standards	6000			n/a	10000
<sup>13</sup> C Recovery Standards				n/a	
Method:	17				17
	1			calux	<sup>13</sup> C-1,2,3,4-TeCDD
Comments:					

Participant code:	57	58	59
<b>PCDD/DF</b>			
Extraction technique:			soxhlet toluene
Extraction solvent:	Soxhlet	soxhlet	
	toluene	toluene	
<b>Clean Up:</b>			
Silica column			multi silica column
AlOx column	KOH silica(2g), H2SO4 silica gel(5 g) and AgNO3 silica gel(2 g)	yes	non
Carbon column	acid alumina AlOx(10 g)	yes	carbon silica column
<b>GC/MS</b>			
GC column:	celite 545W/supelco carbopack C(82/18,W/W)(0.5G )	yes	DB-5/DB-17
GC/MS system:	DB-5MS(60 m)	DB5MS, DB17	JMS700D
Resolution	(Hewlett-packard 6890/UK micromass autospec-ultima HRMS)	Trace2000/GCQplus ThermoQuest	10000
<sup>13</sup> C Internal Standards	11000	low	10
<sup>13</sup> C Recovery Standards			1
Method:	labelled compounds 15, cleanup standard 1 internal standards 2	15 2	
Comments:	EPA 1613B		

Participant code:	60	61	62	63
<b>PCDD/DF</b>				
Extraction technique:	Soxhlet	Soxhlet	non	Dionex ASE 200
Extraction solvent:	Mixed solvents + reduced copper'	toluene/acetone overnight	soxhlet	Toluene
<b>Clean Up:</b>			toluene	
Silica column	Acidic silica treatment	Full multi-layer with AgNO <sub>3</sub>		Multi-layered
AlOx column	Acidic/basic modified silica column	n/a	3g n-Hex 250ml	Mini column
Carbon column	Yes	modified PX21	non	no
<b>GC/MS</b>				
GC column:		DB5/DB225	1g n-Hex 50ml, toluene 25ml	DB5 -ms
GC/MS system:		VG 70SE HRMS	SP2331 DB-17	High Resolution
Resolution		10000	High Res	10500
<sup>13</sup> C Internal Standards		15	10000	
<sup>13</sup> C Recovery Standards		2		15
Method:		EPA 1613	1,2,4,6,7,8,9,11,15,17,20,16	
Comments:	Internal + EPA 1613			M1613 Copper powder added to extraction cell & collection vial

Participant code:	64	65	66	67	68	69
<b>PCDD/DF</b>						
Extraction technique:			soxhlet	soxhlet		
Extraction solvent:			toluene	toluene		
<b>Clean Up:</b>						
Silica column			multilayer Silica column	yes		
AIOx column			basic Almina	B-fraction yes		
Carbon column				no		
<b>GC/MS</b>						
GC column:			DB-17HT 60m 0.32mm SP-2331 60m 0.32mm	DB-5 and SP-2331		
GC/MS system:			micromass Autospec Ultima	HRGC/HRMS HP 5890/VG AutoSpec		
Resolution			>10,000(5% valley)	8000		
<sup>13</sup> C Internal Standards			19(17toxic isomer + 1368TCDD,1368TCDF)	17		
<sup>13</sup> C Recovery Standards			1(1234-TCDD)	1		
Method:						
Comments:				Florisil column		

Participant code:	70	71	72	73	74	75	76
<b>PCDD/DF</b>							
Extraction technique:	ASE 200		ASE				
Extraction solvent:	Toluene		toluene				
<b>Clean Up:</b>							
Silica column	Si/AgNO <sub>3</sub> ; Si/H <sub>2</sub> SO <sub>4</sub> ; Si/NaOH		Dioxin Prep With 3 column				
AlOx column	Al <sub>2</sub> O <sub>3</sub> basic		Dioxin Prep With 3 column				
Carbon column	/		Dioxin Prep With 3 column				
<b>GC/MS</b>							
GC column:	DB 5 MS		DB5MS&Rtx5MS 60 mt 0,25mm 0,25µm				
GC/MS system:	MSI, Dioxin Concept		Micromass Autospec Ultima M303				
Resolution	11000		10.000 10% valley				
<sup>13</sup> C Internal Standards	2		15				
<sup>13</sup> C Recovery Standards	15		2+1 clean up				
Method:	EPA 1613		EPA 1613B/94				
Comments:							

<b>Participant code:</b>	77
<b>PCDD/DF</b>	
Extraction technique:	Soxhlet
Extraction solvent:	Toluene
<b>Clean Up:</b>	
Silica column	yes, H2SO4 & NaOH & AgNO3
AlOx column	Yes
Carbon column	yes, carbosphere
<b>GC/MS</b>	
GC column:	DB-5 & SP2330
GC/MS system:	Kratos Concept, HR
Resolution	8000
<sup>13</sup> C Internal Standards	16
<sup>13</sup> C Recovery Standards Method:	0
Comments:	