GE Pittsfield/Housatonic River Project
Comparison of EPA and GE OPCA Replicate PCB Air Sample Results

Collection Date	Location	EPA's Total PCB Concentration (ug/m^3)	EPA Tier 2 Data Validation Completed Yes/No	GE's Total PCB Concentration (ug/m^3)	GE Tier 1 Data Validation Completed Yes/No
Nov 01-02, 2005	North of OPCAs	0.0236 [1]	Yes	0.0111 [2]	No
Nov 08-09, 2005	North of OPCAs	0.0026 [1]	Yes	0.0011 [2]	No
Nov 17-18, 2005	North of OPCAs	Non Detect (<0.0026) [1]	Yes	Non Detect (<0.0003) [2]	No
Nov 22-23, 2005	North of OPCAs	No Sample [3]	Yes	0.0003 [2]	No
Dec 01-02, 2005	North of OPCAs	Non Detect (<0.0024) [1]	Yes	0.0019 [2]	No
Dec 06-07, 2005	North of OPCAs	Non Detect (<0.0031) [1]	Yes	Non Detect (<0.0003) [2]	No
Dec 15-16, 2005	West of OPCAs [4]	No Sample [3]	Yes	0.0012 [2]	No
Dec 20-21, 2005	West of OPCAs	Non Detect (<0.0004) [5]	Yes	0.0006 [2]	No
Jan 10-11, 2006	West of OPCAs	0.0004J [5]	Yes	0.002 [2]	No
Feb 07-08, 2006	West of OPCAs	Non Detect (<0.0003) [5]	Yes	Non Detect (<0.0003) [2]	No
Mar 07-08, 2006	West of OPCAs	Non Detect (<0.0003) [5]	Yes	Non Detect (<0.0003) [2]	No
Apr 06-07, 2006	Northwest of OPCAs [6]	0.0006J [5]	Yes	0.0006 [2]	No
Apr 18-19, 2006	Northwest of OPCAs	0.0009 [5]	Yes	0.001 [2]	No
Apr 25-26, 2006	Northwest of OPCAs	0.0005 [5]	Yes	0.0009 [2]	No
Apr 27-28, 2006	Northwest of OPCAs	0.0012J [5]	Yes	0.0006 [2]	No
May 02-03, 2006	Northwest of OPCAs	0.0012J [5]	Yes	No Sample [7]	NA
May 04-05, 2006	Northwest of OPCAs	0.0017J [5]	Yes	0.0019 [2]	No
May 09-10, 2006	Northwest of OPCAs	0.0016J [5]	Yes	0.0003 [2]	No
May 11-12, 2006	Northwest of OPCAs	0.003J [5]	Yes	0.0014 [2]	No
May 16-17, 2006	Northwest of OPCAs	No Sample [3]	Yes	0.0004 [2]	No
May 18-19, 2006	Northwest of OPCAs	0.0042J [5]	Yes	0.0018 [2]	No
May 23-24, 2006	Northwest of OPCAs	0.0004J [5]	Yes	0.0003 [2]	No
May 25-26, 2006	Northwest of OPCAs	0.0047J [5]	Yes	0.0032 [2]	No
May 31-Jun 01, 2006	Northwest of OPCAs	0.0083J [8]	Yes	0.0069 [2]	No
Jun 01-02, 2006	Northwest of OPCAs	0.0027J [5]	Yes	0.0031 [2]	No
Jun 06-07, 2006	Northwest of OPCAs	0.0017J [5]	Yes	0.0006 [2]	No
Jun 12-13, 2006	Northwest of OPCAs	0.0012J [5]	Yes	0.0017 [2]	No
Jun 13-14, 2006	Northwest of OPCAs	0.0031J [5]	Yes	0.001 [2]	No
Jun 20-21, 2006	Northwest of OPCAs	0.0045J [5]	Yes	0.0027 [2]	No
Jun 22-23, 2006	Northwest of OPCAs	0.0071J [5]	Yes	0.0028 [2]	No
Jun 27-28, 2006	Northwest of OPCAs	0.0086J [5]	Yes	0.0036J [2]	Yes
Jun 29-30, 2006	Northwest of OPCAs	0.005J [5]	Yes	0.0013J [2]	Yes
Jul 06-07, 2006	Northwest of OPCAs	0.0016J [5]	Yes	0.0008J [2]	Yes
Jul 11-12, 2006	Northwest of OPCAs	0.0019J [5]	Yes	0.0024J [2]	Yes
Jul 13-14, 2006	Northwest of OPCAs	0.0027J [5]	Yes	0.0008J [2]	Yes
Jul 18-19, 2006	Northwest of OPCAs	0.0026J [5]	Yes	0.0018J [2]	Yes
Jul 20-21, 2006	Northwest of OPCAs	0.0123J [5]	Yes	0.0033J [2]	Yes
Jul 24-25, 2006	Northwest of OPCAs	0.0026J [5]	Yes	0.0014 [2]	Yes
Jul 31-Aug 01, 2006	Northwest of OPCAs	0.0079 [5]	No	0.0017 [2]	Yes
Aug 03-04, 2006	Northwest of OPCAs	0.0048 [5]	No	0.001 [2]	Yes
Aug 08-09, 2006	Northwest of OPCAs	0.0016 [5]	No	Non Detect (<0.0003) [2]	Yes
Aug 10-11, 2006	Northwest of OPCAs	0.0037 [5]	No	0.0011J [2]	Yes
Aug 14-15, 2006	Northwest of OPCAs	0.0067 [5]	No	0.0024 [2]	Yes

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Aug 21-22, 2006	Northwest of OPCAs	0.0019 [5]	No	0.0016J [9]	Yes
Aug 29-30, 2006	Northwest of OPCAs	0.0005 [5]	No	0.0008 [9]	Yes
Aug 31-Sep 01, 2006	Northwest of OPCAs	0.0014 [5]	No	0.0009 [9]	Yes
Sep 05-06, 2006	Northwest of OPCAs	0.002 [5]	No	0.0027 [9]	Yes
Sep 07-08, 2006				0.0018 [9]	Yes
Sep 12-13, 2006					
Sep 14-15, 2006					
Sep 19-20, 2006					
Sep 21-22, 2006					
Sep 26-27, 2006					
Sep 28-29, 2006					
Notification Level (ug/m^3)		0.05		0.05	
Revised Action Level (ug/m^3)		0.05		0.05	
Original Action Level (ug/m^3)		0.1		0.1	

Notes:
[1] - Sample analyzed by Air Toxics (Detection Limit = 1.0 ug per sample media)
[2] - Sample analyzed by SGS (Detection Limit = 0.1 ug per sample media)
[3] - No EPA sample due to technical problem with sampling equipment
[4] - Replicate location changed to area with line power due to generator problems
[5] - Sample analyzed by STL (Detection Limit ranges between 0.10 - 0.17 ug per sample media depending on the specific Aroclor)
[6] - Replicate location changed to area directly between the OPCAs and Allendale; line power is now available at this location
[7] - No GE sample due to laboratory error
[8] - Sample analyzed by STL (Detection Limit ranges between 0.30 - 0.51 ug per sample media depending on the specific Aroclor)
[9] - Sample analyzed by NEA (Detection Limit = 0.1 ug per sample media)
J - Sample result is estimated based on data validation; refer to GE's 2006 PCB Air Sampling Results summary table for details for each sampling event (http://www.epa.gov/region01/ge/thesite/opca-reports.html)

To calculate an individual sample Detection Limit in ug/m^3, divide the Detection Limit per sample media (ug) by the total volume of air that passed through the sample media (m^3) during the 24-hour sample period. The typical volume of air for these samples is about 340 m^3, so 0.1 ug divided by 340 m^3 results is a typical sample Detection Limit of 0.0003 ug/m3 or 0.3 ng/m^3.

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