APPENDIX J

TDCS EXCAVATION SPOIL PCB TEST DATA

Contents of Appendix J

TDCS Excavation Spoils

The excavated shot rock from the TDCS Shaft and Tunnels was removed from the TDCS after each round of blasting and placed in piles in designated bins on the spoils structure for PCB sampling. The shot rock spoil from every blast was sampled and analyzed for PCB. Five samples were taken at locations from each spoil pile. The results of spoils analyses determined the classification of the spoil materials and ultimate disposition location. Refer to TDCS Spoils Table for a summary of blasts and PCB spoil test results. Spoils with PCB concentrations less than 10 ppm were allowed to remain onsite in the Onsite Spoil Placement Area in the back lot. Spoil materials with PCB concentrations greater than 10 ppm were required to be properly disposed of offsite. Based on the results of the spoils analyses, PCBs were first encountered in the shaft after blast #12 (elevation 120 to 110 ft NGVD). The spoil PCB concentrations were greater than 10 ppm from shaft blast #12 to tunnel blast #82 (tunnel 2 sta 2:1+37 and tunnel 3 sta 3:1+54). The Spoils PCB concentrations were below 10 ppm for the remainder of the excavation from tunnel blast #83 (tunnel 2 sta 2: 1+37 and tunnel 3 sta 3:1+54) to the end of both tunnels 2 and 3 and the final tunnel blast #117. The two blasts for the TDCS Sump at the bottom of the shaft were both well above 10 ppm.

TDCS Spoils Sample Preliminary Analytical Results (Detections Only)
General Electric Company
Hudson Falls, NY

PCB Concentrations

		Shaft Blast 1	Shaft Blast 6.3	Shaft Blast 8.2	Shaft Blast 9.2	Shaft Blast 11.1	Shaft Blast 12.1	Shaft Blast 12.2	Shaft Blast 13.1	Shaft Blast 14.1	Shaft Blast 14.2	Shaft Blast 15.1	Shaft Blast 15.2	Shaft Blast 16.1
Parameter	**Units**	**9/20/07**	**11/2/07**	**11/14/07**	**11/27/07**	**12/12/07**	**12/18/07**	**12/27/07**	**1/7/08**	**1/9/08**	**1/10/08**	**1/16/08**	**1/17/08**	**1/22/08**
Aroclor-1016	µg/g	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1221	µg/g	ND	ND	ND	**0.336 AB**	**0.0564 AB**	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1232	µg/g	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1242	µg/g	**0.1260 AD**	ND	ND	**0.165 AD**	ND	**42.9 AD**	**214.0**	**65.9 AD**	**26.4 AD**	**4.37 AD**	**55.7 AD**	**42.2 AD**	**2.52 AD**
Aroclor-1248	µg/g	ND	ND	**0.116 AE**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1254	µg/g	**0.0407 JAF**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1260	µg/g	ND	**0.0117 AG,J**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total PCB Amount	µg/g	**0.1667**	**0.0117**	**0.116**	**0.501**	**0.0564**	**42.9**	**214.0**	**65.9**	**26.4**	**4.37**	**55.7**	**42.2**	**2.52**

		Shaft Blast 16.2	Shaft Blast 16.3	Shaft Blast 17.1	Shaft Blast 18.1	Shaft Blast 19.1	Shaft Blast 19.2	Shaft Blast 19.3	Shaft Blast 20.1	Shaft Blast 20.2	Bellout Blast 1.1 & 2.1	Bellout Blast 1.2 & 2.2	Bellout Blast 1.3 & 2.3	Bellout Blast 3.1	Bellout Blast 3.2
Parameter	**Units**	**1/25/08**	**1/25/08**	**1/29/08**	**2/5/08**	**2/11/08**	**2/18/08**	**2/20/08**	**2/22/08**	**2/26/08**	**3/5/08**	**3/5/08**	**3/7/08**	**3/17/08**	**3/19/08**
Aroclor-1016	µg/g	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1221	µg/g	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1232	µg/g	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1242	µg/g	**72.1 AD**	**42.7 AD**	**20.5 AD**	**58.8 AD**	**3.82 AD**	**13.9 AD**	**14.4 AD**	**19.6 AD**	**23.2 AD**	**4.16 AD**	**8.25 AD**	**70.8 AD**	**74.8 AD**	**24.2 AD**
Aroclor-1248	µg/g	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1254	µg/g	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1260	µg/g	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total PCB Amount	µg/g	**72.1**	**42.7**	**20.5**	**58.8**	**3.82**	**13.9**	**14.4**	**19.6**	**23.2**	**4.16**	**8.25**	**70.8**	**74.8**	**24.2**

Notes

1. PCB analyses by EPA method 8082
2. ND = Non Detect
3. J- Indicates an estimated value. The analyte was detected in the sample at a concentration greater than the Method Detection Limit (MDL) but less than the Practical Quantitation Limit (PQL).
4. AD-Aroclor 1242 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.
5. AF-Aroclor 1254 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.
6. AG-Aroclor 1260 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.
7. AE-Aroclor 1248 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.
8. AB-Aroclor 1221 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.

TDCS Spoils Sample Preliminary Analytical Results (Detections Only)
General Electric Company
Hudson Falls, NY

PCB Concentrations

		Bellout Blast 3.3	Tunnel Test Blast 1	Tunnel Test Blast 2	Tunnel Test Blast 3	Tunnel Test Blast 4.1	Tunnel Test Blast 5	Tunnel Test Blast 6.1	Tunnel Test Blast 6.2	Tunnel Test Blast 7.1	Tunnel Test Blast 8.1	Tunnel Test Blast 9.1	Tunnel Test Blast 10.1	Tunnel Test Blast 11.1
Parameter	**Units**	**3/20/08**	**3/25/08**	**3/31/08**	**4/2/08**	**4/4/08**	**4/11/08**	**4/15/08**	**4/15/08**	**4/17/08**	**4/18/08**	**4/21/08**	**4/22/08**	**4/23/08**
Aroclor-1016	µg/g	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1221	µg/g	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1232	µg/g	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1242	µg/g	**17.7 AD**	**59.6 AD**	**32.7 AD**	**4.4 AD**	**16.3 AD**	**17.0 AD**	**35.4 AD**	**3.43 AD**	**21.0 AD**	**25.4 AD**	**16.3 AD**	**49.5 AD**	**59.1 AD**
Aroclor-1248	µg/g	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1254	µg/g	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1260	µg/g	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total PCB Amount	µg/g	**17.7**	**59.6**	**32.7**	**4.4**	**16.3**	**17.0**	**35.4**	**3.4**	**21.0**	**25.4**	**16.3**	**49.5**	**59.1**

		Tunnel Test Blast 12.1	Tunnel Test Blast 12.1 Duplicate	Tunnel Test Blast 13.1	Tunnel Test Blast 14.1	Tunnel Test Blast 15.1	Tunnel Test Blast 16.1	Tunnel Test Blast 16.1 Duplicate	Tunnel Test Blast 17.1	Tunnel Test Blast 18.1	Tunnel Test Blast 19.1	Tunnel Test Blast 19.1 Duplicate	Tunnel Test Blast 20.1	Tunnel Test Blast 21.1
Parameter	**Units**	**4/24/08**	**4/24/08**	**4/25/08**	**4/29/08**	**4/29/08**	**5/1/08**	**5/2/08**	**5/2/08**	**5/5/08**	**5/6/08**	**5/6/08**	**5/7/08**	**5/7/08**
Aroclor-1016	µg/g	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1221	µg/g	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1232	µg/g	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1242	µg/g	**26.3 AD**	**30.7 AD**	**24.0 AD**	**36.8 AD**	**46.9 AD**	**24.5 AD**	**25.6 AD**	**23.5 AD**	**27.9 AD**	**24.1 AD**	**37.6 AD**	**33.9 AD**	**42.0 AD**
Aroclor-1248	µg/g	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1254	µg/g	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1260	µg/g	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total PCB Amount	µg/g	**26.3**	**30.7**	**24.0**	**36.8**	**46.9**	**24.5**	**25.6**	**23.5**	**27.9**	**24.1**	**37.6**	**33.9**	**42.0**

Notes

1. PCB analyses by EPA method 8082
2. ND = Non Detect
3. J- Indicates an estimated value. The analyte was detected in the sample at a concentration greater than the Method Detection Limit (MDL) but less than the Practical Quantitation Limit (PQL).
4. AD-Aroclor 1242 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.
5. AF-Aroclor 1254 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.
6. AG-Aroclor 1260 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.
7. AE-Aroclor 1248 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.
8. AB-Aroclor 1221 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.

TDCS Spoils Sample Preliminary Analytical Results (Detections Only)
General Electric Company
Hudson Falls, NY

PCB Concentrations

		Tunnel Test Blast 22.1	Tunnel Test Blast 23.1	Tunnel Test Blast 23.1 Duplicate	Tunnel Test Blast 24.1	Tunnel Blast 25.1	Tunnel Blast 26.1	Tunnel Blast 26.1 Duplicate	Tunnel Blast 27.1 & 28.1	Tunnel Blast 29.1	Tunnel Blast 30.1	Tunnel Blast 30.1 Duplicate	Tunnel Blast 31.1	Tunnel Blast 32.1
Parameter	**Units**	**5/9/08**	**5/12/08**	**5/12/08**	**5/14/08**	**5/16/08**	**5/19/08**	**5/19/08**	**5/22/08**	**5/27/08**	**5/28/08**	**5/28/08**	**5/29/08**	**5/30/08**
Aroclor-1016	µg/g	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1221	µg/g	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1232	µg/g	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1242	µg/g	**70.1 AD**	**33.6 AD**	**32.8 AD**	**38.5 AD**	**33.5 AD**	**37.9 AD**	**28.0 AD**	**27.2 AD**	**10.0 AD**	**29.8 AD**	**26.9 AD**	**20.7 AD**	**7.81 AD**
Aroclor-1248	µg/g	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1254	µg/g	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1260	µg/g	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total PCB Amount	µg/g	**70.1**	**33.6**	**32.8**	**38.5**	**33.5**	**37.9**	**28.0**	**27.2**	**10.0**	**29.8**	**26.9**	**20.7**	**7.8**

		Tunnel Blast 33.1	Tunnel Blast 34.1	Tunnel Blast 35.1	Tunnel Blast 35.1 Duplicate	Tunnel Blast 36.1	Tunnel Blast 37.1	Tunnel Blast 38.1	Tunnel Blast 39.1	Tunnel Blast 40.1	Tunnel Blast 40.1 Duplicate	Tunnel Blast 41.1	Tunnel Blast 42.1	Tunnel Blast 43.1
Parameter	**Units**	**5/30/08**	**6/3/08**	**6/3/08**	**6/3/08**	**6/4/08**	**6/5/08**	**6/6/08**	**6/9/08**	**6/9/08**	**6/9/08**	**6/10/08**	**6/11/08**	**6/11/08**
Aroclor-1016	µg/g	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1221	µg/g	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1232	µg/g	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1242	µg/g	**14.0 AD**	**25.1 AD**	**12.0 AD**	**14.6 AD**	**81.0 AD**	**76.6 AD**	**20.7 AD**	**16.6 AD**	**18.1 AD**	**24.4 AD**	**103 AD**	**6.80 AD**	**19.9 AD**
Aroclor-1248	µg/g	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1254	µg/g	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1260	µg/g	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total PCB Amount	µg/g	**14.0**	**25.1**	**12.0**	**14.6**	**81.0**	**76.6**	**20.7**	**16.6**	**18.1**	**24.4**	**103.0**	**6.8**	**19.9**

1. PCB analyses by EPA method 8082
2. ND = Non Detect
3. J- Indicates an estimated value. The analyte was detected in the sample at a concentration greater than the Method Detection Limit (MDL) but less than the Practical Quantitation Limit (PQL).
4. AD-Aroclor 1242 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.
5. AF-Aroclor 1254 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.
6. AG-Aroclor 1260 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.
7. AE-Aroclor 1248 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.
8. AB-Aroclor 1221 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.

TDCS Spoils Sample Preliminary Analytical Results (Detections Only)
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Hudson Falls, NY

PCB Concentrations

		Tunnel Blast 44.1	Tunnel Blast 45.1	Tunnel Blast 46.1	Tunnel Blast 46.1 Duplicate	Tunnel Blast 47.1	Tunnel Blast 48.1	Tunnel Blast 49.1	Tunnel Blast 50.1	Tunnel Blast 51.1	Tunnel Blast 52.1	Tunnel Blast 53.1	Tunnel Blast 54.1	Tunnel Blast 54.1 Duplicate
Parameter	**Units**	**6/12/08**	**6/13/08**	**6/16/08**	**6/16/08**	**6/16/08**	**6/17/08**	**6/18/08**	**6/19/08**	**6/20/08**	**6/23/08**	**6/24/08**	**6/25/08**	**6/25/08**
Aroclor-1016	µg/g	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1221	µg/g	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1232	µg/g	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1242	µg/g	**21.3 AD**	**31.7 AD**	**39.9 AD**	**25.2 AD**	**80.5 AD**	**10.7 AD**	**12.3 AD**	**32.6 AD**	**45.3 AD**	**14.4 AD**	**23.1 AD**	**40.9 AD**	**33.3 AD**
Aroclor-1248	µg/g	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1254	µg/g	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1260	µg/g	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total PCB Amount	µg/g	**21.3**	**31.7**	**39.9**	**25.2**	**80.5**	**10.7**	**12.3**	**32.6**	**45.3**	**14.4**	**23.1**	**40.9**	**33.3**

		Tunnel Blast 55.1	Tunnel Blast 56.1	Tunnel Blast 56.1 Duplicate	Tunnel Blast 57.1	Tunnel Blast 58.1	Tunnel Blast 59.1	Tunnel Blast 59.1 Duplicate	Tunnel Blast 60.1	Tunnel Blast 61.1	Tunnel Blast 62.1	Tunnel Blast 63.1	Tunnel Blast 64.1	Tunnel Blast 64.1 Duplicate
Parameter	**Units**	**6/27/08**	**7/1/08**	**7/1/08**	**7/2/08**	**7/7/08**	**7/8/08**	**7/8/08**	**7/10/08**	**7/11/08**	**7/14/08**	**7/16/08**	**7/18/08**	**7/18/08**
Aroclor-1016	µg/g	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1221	µg/g	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1232	µg/g	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1242	µg/g	**27.5 AD**	**23.3 AD**	**21.8 AD**	**55.0 AD**	**12.2 AD**	**39.2 AD**	**30.6 AD**	**22.3 AD**	**11.7 AD**	**10.6 AD**	**19.8 AD**	**16.0 AD**	**14.4 AD**
Aroclor-1248	µg/g	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1254	µg/g	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1260	µg/g	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total PCB Amount	µg/g	**27.5**	**23.3**	**21.8**	**55.0**	**12.2**	**30.6**	**30.6**	**22.3**	**11.7**	**10.6**	**19.8**	**16.0**	**14.4**

1. PCB analyses by EPA method 8082
2. ND = Non Detect
3. J- Indicates an estimated value. The analyte was detected in the sample at a concentration greater than the Method Detection Limit (MDL) but less than the Practical Quantitation Limit (PQL).
4. AD-Aroclor 1242 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.
5. AF-Aroclor 1254 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.
6. AG-Aroclor 1260 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.
7. AE-Aroclor 1248 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.
8. AB-Aroclor 1221 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.

TDCS Spoils Sample Preliminary Analytical Results (Detections Only)
General Electric Company
Hudson Falls, NY

PCB Concentrations

		Tunnel Blast 65.1	Tunnel Blast 66.1	Tunnel Blast 66.1 Duplicate	Tunnel Blast 67.1 (see note 9)	Tunnel Blast 68.1 (see note 10)	Tunnel Blast 69.1 (see note 11)	Tunnel Blast 70.1 (see note 12)	Tunnel Blast 70.1 Duplicate (see note 12)	Tunnel Blast 72.1	Tunnel Blast 73	Tunnel Blast 74.1	Tunnel Blast 75.1
Parameter	**Units**	**7/21/08**	**7/24/08**	**7/24/08**	**7/25/08**	**7/25/08**	**7/28/08**	**7/29/08**	**7/29/08**	**7/30/08**	**7/31/08**	**8/1/08**	**8/4/08**
Aroclor-1016	µg/g	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1221	µg/g	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1232	µg/g	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1242	µg/g	**23.2 AD**	**13.7 AD**	**14.6 AD**	**22.5 AD**	**6.58 AD**	**7.61 AD**	**17.4 AD**	**20.6 AD**	**0.86 AD**	**3.79 AD**	**14.8 AD**	**2.71 AD**
Aroclor-1248	µg/g	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1254	µg/g	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1260	µg/g	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total PCB Amount	µg/g	**23.20**	**13.70**	**14.60**	**22.50**	**6.58**	**7.61**	**17.40**	**20.60**	**0.86**	**3.79**	**14.80**	**2.71**

		Tunnel Blast 75.1 DUP	Tunnel Blast 76.1	Tunnel Blast 77.1	Tunnel Blast 78.1	Tunnel Blast 79.1	Tunnel Blast 80.1	Tunnel Blast 81.1	Tunnel Blast 82.1	Tunnel Blast 83.1	Tunnel Blast 84.1	Tunnel Blast 84.1 Duplicate	Tunnel Blast 85.1
Parameter	**Units**	**8/4/08**	**8/5/08**	**8/6/08**	**8/6/08**	**8/7/08**	**8/8/08**	**8/11/08**	**8/12/08**	**8/13/08**	**8/14/08**	**8/14/08**	**8/15/08**
Aroclor-1016	µg/g	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1221	µg/g	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1232	µg/g	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1242	µg/g	**3.32 AD**	**2.28 AD**	**19.8 AD**	**10.8 AD**	**18.5 AD**	**14.7 AD**	**14.3 AD**	**21.1 AD**	**8.92 AD**	**6.07 AD**	**2.04 AD**	**1.93 AD**
Aroclor-1248	µg/g	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1254	µg/g	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1260	µg/g	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total PCB	µg/g	**3.32**	**2.28**	**19.8**	**10.8**	**18.5**	**14.7**	**14.3**	**21.1**	**8.92**	**6.07**	**2.04**	**1.93**

Notes

1. PCB analyses by EPA method 8082
2. ND = Non Detect
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4. AD-Aroclor 1242 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.
5. AF-Aroclor 1254 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.
6. AG-Aroclor 1260 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.
7. AE-Aroclor 1248 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.
8. AB-Aroclor 1221 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.
9. Sample ID Tunnel Blast 67.1 contained rock spoils from Tunnel Blasts 66, 67 and 68.
10. Sample ID Tunnel Blast 68.1 contained rock spoils from Tunnel Blast 69 only.
11. Sample ID Tunnel Blast 69.1 contained rock spoils from Tunnel Blasts 66 and 70 only.
12. Sample ID Tunnel Blast 70.1 contained rock spoils from Tunnel Blast 71 only. There is no sample named Tunnel Blast 71.1.

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Hudson Falls, NY

PCB Concentrations

		Tunnel Blast 86.1	Tunnel Blast 87.1	Tunnel Blast 88.1	Tunnel Blast 89.1	Tunnel Blast 89.1 Duplicate	Tunnel Blast 90.1	Tunnel Blast 91.1	Tunnel Blast 93.1	Tunnel Blast 94.1	Tunnel Blast 95.1	Tunnel Blast 95.1 Duplicate	Tunnel Blast 96.1
Parameter	**Units**	**8/18/08**	**8/18/08**	**8/20/08**	**8/21/08**	**8/21/08**	**8/21/08**	**8/22/08**	**8/26/08**	**8/26/08**	**8/27/08**	**8/27/08**	**8/28/08**
Aroclor-1016	µg/g	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1221	µg/g	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1232	µg/g	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1242	µg/g	**0.28 AD**	**3.08 AD**	**0.511 AD**	**0.372 AD**	**0.706 AD**	**0.755 AD**	**0.101 AD**	**0.382 AD**	**0.329 AD**	**0.344 AD**	**0.343 AD**	**1.01 AD**
Aroclor-1248	µg/g	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1254	µg/g	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1260	µg/g	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total PCB Amount	µg/g	**0.28**	**3.08**	**0.511**	**0.372**	**0.706**	**0.755**	**0.101**	**0.382**	**0.329**	**0.344**	**0.343**	**1.010**

		Tunnel Blast 97.1	Tunnel Blast 98.1	Tunnel 2 Blast 99	Tunnel Blast 99.1	Tunnel Blast 100.1	Tunnel Blast 101.1	Tunnel Blast 101.1 Duplicate	Tunnel Blast 102.1	Tunnel Blast 103.1	Tunnel Blast 103.1 Duplicate	Tunnel Blast 104.1	Tunnel Blast 105.1
Parameter	**Units**	**8/29/08**	**8/29/08**	**9/2/08**	**9/3/08**	**9/4/08**	**9/4/08**	**9/4/08**	**9/8/08**	**9/9/08**	**9/9/08**	**9/10/08**	**9/11/08**
Aroclor-1016	µg/g	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1221	µg/g	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1232	µg/g	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1242	µg/g	**1.18 AD**	**0 .519 AD**	ND	**0.594 AD**	**2.75 AD**	**0.663 AD**	**0.553 AD**	**1.91 AD**	**0.768 AD**	**0.520 AD**	**0.777 AD**	**0.434 AD**
Aroclor-1248	µg/g	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1254	µg/g	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1260	µg/g	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total PCB	µg/g	**1.18**	**0.519**	**ND**	**0.594**	**2.75**	**0.663**	**0.553**	**1.91**	**0.768**	**0.520**	**0.777**	**0.434**

1. PCB analyses by EPA method 8082
2. ND = Non Detect
3. J- Indicates an estimated value. The analyte was detected in the sample at a concentration greater than the Method Detection Limit (MDL) but less than the Practical Quantitation Limit (PQL).
4. AD-Aroclor 1242 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.
5. AF-Aroclor 1254 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.
6. AG-Aroclor 1260 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.
7. AE-Aroclor 1248 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.
8. AB-Aroclor 1221 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.
9. Sample ID Tunnel Blast 67.1 contained rock spoils from Tunnel Blasts 66, 67 and 68.
10. Sample ID Tunnel Blast 68.1 contained rock spoils from Tunnel Blast 69 only.
11. Sample ID Tunnel Blast 69.1 contained rock spoils from Tunnel Blasts 66 and 70 only.
12. Sample ID Tunnel Blast 70.1 contained rock spoils from Tunnel Blast 71 only. There is no sample named Tunnel Blast 71.1.

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PCB Concentrations

		Tunnel Blast 106.1	Tunnel Blast 107.1	Tunnel Blast 107.1 Duplicate	Tunnel Blast 108.1	Tunnel Blast 108.2	Tunnel Blast 109.1 & 110.1	Tunnel Blast 110.2	Tunnel Blast 111.1	Tunnel Blast 111.2	Tunnel Blast 112.1	Tunnel Blast 113.1	Tunnel Blast 114.1
Parameter	**Units**	**9/12/08**	**9/15/08**	**9/15/08**	**9/16/08**	**9/16/08**	**9/18/2008**	**9/18/2008**	**9/22/2008**	**9/22/2008**	**9/22/2008**	**9/23/2008**	**9/24/2008**
Aroclor-1016	µg/g	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1221	µg/g	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1232	µg/g	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1242	µg/g	**0.285 AD**	**0.687 AD**	**0.802 AD**	**0.224 AD**	**1.59 AD**	**1.73 AD**	**0.459 AD**	**0.398 AD**	**0.526 AD**	**1.67 AD**	**0.273 AD**	**0.907 AD**
Aroclor-1248	µg/g	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1254	µg/g	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1260	µg/g	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total PCB Amount	µg/g	**0.285**	**0.687**	**0.802**	**0.224**	**1.59**	**1.73**	**0.459**	**0.398**	**0.526**	**1.67**	**0.273**	**0.907**

		Blast 114.1 Duplicate	Tunnel Blast 115.1	Tunnel Blast 116.1	Tunnel Blast 117.1	Sump Rock/Concrete	Sump Blast 1	Sump Blast 2
Parameter	**Units**	**9/24/08**	**9/24/08**	**9/26/08**	**9/29/08**	**12/3/08**	**12/5/08**	**12/11/08**
Aroclor-1016	µg/g	ND	ND	ND	ND	ND	ND	ND
Aroclor-1221	µg/g	ND	ND	ND	ND	ND	ND	ND
Aroclor-1232	µg/g	ND	ND	ND	ND	ND	ND	ND
Aroclor-1242	µg/g	**1.35 AD**	**0.263 AD**	**0.466 AD**	**2.12 AD**	**300 AD**	**108**	**43.7 AD**
Aroclor-1248	µg/g	ND	ND	ND	ND	ND	ND	ND
Aroclor-1254	µg/g	ND	ND	ND	ND	ND	ND	ND
Aroclor-1260	µg/g	ND	ND	ND	ND	ND	ND	ND
Total PCB Amount	µg/g	**1.35**	**0.263**	**0.466**	**2.12**	**300**	**108**	**43.7**

1. PCB analyses by EPA method 8082
2. ND = Non Detect
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6. AG-Aroclor 1260 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.
7. AE-Aroclor 1248 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.
8. AB-Aroclor 1221 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.
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10. Sample ID Tunnel Blast 68.1 contained rock spoils from Tunnel Blast 69 only.
11. Sample ID Tunnel Blast 69.1 contained rock spoils from Tunnel Blasts 66 and 70 only.
12. Sample ID Tunnel Blast 70.1 contained rock spoils from Tunnel Blast 71 only. There is no sample named Tunnel Blast 71.1.