



**COMMONWEALTH OF PENNSYLVANIA**  
**Department of Environmental Protection**  
**Bureau of Laboratories**  
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717-346-7296

**SUBJECT:** Investigation Results from Collegeville, February 2008

**TO:** Francine Carlini, Environmental Program Manager  
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The following text outlines the results obtained during the investigation conducted in Collegeville, Montgomery County, from Wednesday, February 20 through Thursday, February 21, 2008.

Gas Chromatograph/Mass Spectrometer (GC/MS) was utilized for the analyses conducted throughout this project. The target compounds for the project were n-Propyl bromide and Trichloroethylene (TCE). The Regional staff collected ambient air samples in Tedlar bags and submitted them to MLG staff for analysis. MLG staff also scanned the ambient air outside of the mobile lab at half hour intervals. The method in which the instruments gathered data is instantaneous in nature and the data is representative of the time the sample was gathered, not on time-weighted averages.

GC/MS Sampling ResultsDay 1: Wednesday, February 20, 2008

One liter of outside ambient air (Sxx) was analyzed at Old Perkiomen Middle School located at First and College Avenues in Trappe, while a half liter of sample was analyzed from the Tedlar bag (Bag #x) collected by regional staff.

Sample Number	Time analyzed	n-Propyl bromide (ng/ppbv)	TCE (ng/ppbv)
S01	8:12	None	None
S02	8:39	None	None
S03	9:08	None	None
S04	9:40	None	1.31* / 0.24
S05	10:09	None	0.86* / 0.16
S06	10:38	None	None
S07	11:09	None	None
S08	11:43	None	None
S09	12:09	None	None
S10	12:38	None	None
S11	13:08	None	None
S12	13:37	None	None
S13	14:08	None	None
S14	14:35	None	None
Bag #1	14:57	None	None
Bag #3 <sup>**</sup>	15:18	1.85* / 0.74	3.26* / 1.21
S15	16:45	None	None
S16	19:05	None	0.53* / 0.099
S17	17:30	None	0.57* / 0.11

“\*”: n-Propyl bromide and TCE were detected below the Minimum Quantitation Limits of 3.39 and 3.65 ng, respectively, therefore, the numbers reported are estimated values.

“\*\*”: Bag #2 was analyzed unsuccessfully, requested collector to resample at Superior tube and submitted as Bag #3

Bag #1 taken at the intersection of Borough Line Rd & 5<sup>th</sup> Avenue, Trappe

Bag #3 taken on Cross Keys Road near Vincent Street, Lower Providence Township

**Day 2: Thursday, February 21, 2008**

One liter of outside ambient air (Sxx) was analyzed at the VFW parking lot located at 201 West Third Avenue in Collegeville (Rte 113), while a half liter of sample was analyzed from the Tedlar bag (Bag #x) collected by regional staff.

Sample Number	Time analyzed	n-Propyl bromide (ng/ppbv)	TCE (ng/ppbv)
S01**	8:23	None	3.32* / 0.62
S02	9:09	None	None
Bag #1	9:32	None	3.30* / 1.23
S03	10:25	None	1.51* / 0.28
Bag #2	11:11	None	None
Bag #3	11:31	None	None
S05	12:21	None	1.10* / 0.20
S06	12:52	None	1.13* / 0.21
S07	13:22	None	4.39 / 0.82
Bag #4	13:46	2.77* / 0.10	2.48* / 0.92
Bag #5	16:00	None	None
S08	14:39	None	0.67* / 0.13
S09	15:07	None	0.48* / 0.089
S10	15:36	None	4.51 / 0.84
S11	16:07	None	None
S12	16:37	None	0.87* / 0.16
S13	17:07	None	1.95* / 0.36
S14	17:38	None	1.32* / 0.25
S15	18:05	None	1.62* / 0.30

“\*”: n-Propyl bromide and/or TCE were detected below the Minimum Quantitation Limits of 3.39 and 3.65 ng, respectively, therefore, the numbers reported are estimated values.

“\*\*\*”: Sample analyzed right after continuing calibration standard without cleanup, carryover of about 0.60 ng of TCE may have contributed to the amount of TCE detected.

Bag #1 taken at 250 West 5<sup>th</sup> Avenue, Trappe

Bag #2 taken at Bronsen Circle, Trappe

Bag #3 taken at the water tower on 7<sup>th</sup> Avenue, Trappe

Bag #4 taken at the baseball field next to Superior Tube, Lower Providence Township

Bag #5 taken at Cross Keys Road at the entrance of Superior Tube