



Submitted To: Kerri Castlen  
Hamilton County Environmental Services  
250 William Howard Taft Road  
Cincinnati, OH  
45219

Reference Data:

Sample Location: Lanxess  
Sample Type: Silco Canister  
Client Sample No.: 105681040506  
PO #: 270043225  
Method Reference: TO-15  
Sample Set ID#: 06-M-1480  
DATACHEM Lab No.: 06-09021  
Sample Receipt Date: 4/6/2006  
Analysis Date: 4/14/2006

Sample condition was acceptable upon receipt except where noted.

The above numbered samples were analyzed for volatile organic compounds by EPA method TO-15 using an Entech 7000 Cryogenic Preconcentrator and a Hewlett-Packard GC/MS/DS operating in the scan mode.

Quantitation is based upon average response factors generated from a five-point curve. The results are provided in the enclosed data table. Results relate only to the items tested and are not blank corrected.

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Mark Johnson

Data Table PPB

Client #	105681 040506			EQL
DCL #	06-09021	Blank		
Propene	ND	ND		1
Dichlorodifluoromethane	ND	ND		1
Freon 114	ND	ND		1
Chloromethane	ND	ND		1
1,3-Butadiene	ND	ND		0.5*
Vinyl Chloride	ND	ND		1
Bromomethane	ND	ND		1
Chloroethane	ND	ND		1
Trichlorofluoromethane	ND	ND		1
2-Propanol	1 B	1		1
1,1-Dichloroethene	ND	ND		1
Freon 113	ND	ND		1
Acetone	ND	ND		8
Carbon Disulfide	ND	ND		1
Methylene Chloride	ND	ND		1
MTBE	ND	ND		1
Trans 1,2-Dichloroethene	ND	ND		1
Vinyl Acetate	ND	ND		1
Hexane	ND	ND		1
1,1-Dichloroethane	ND	ND		1
Cis-1,2-Dichloroethene	ND	ND		1
2-Butanone	ND	ND		1
Ethyl Acetate	ND	ND		1
Chloroform	ND	ND		1
Tetrahydrofuran	ND	ND		1
1,1,1-Trichloroethane	ND	ND		1
Cyclohexane	ND	ND		1
Carbon Tetrachloride	ND	ND		1
Heptane	ND	ND		1
Benzene	ND	ND		1
1,2-Dichloroethane	ND	ND		1
Trichloroethene	ND	ND		1
1,2-Dichloropropane	ND	ND		1
1,4 Dioxane	ND	ND		1
Bromodichloromethane	ND	ND		1
cis-1,3-Dichloropropane	ND	ND		1
4-Methyl 2-Pentanone	ND	ND		1
Toluene	ND	ND		1
trans-1,3-Dichloropropane	ND	ND		1
1,1,2-Trichloroethane	ND	ND		1
Tetrachloroethene	ND	ND		1
2-Hexanone	ND	ND		1
Dibromochloromethane	ND	ND		1

ND indicates not detected at or above the EQL value.

**Data Table PPB**

<b>Client #</b>	105681 040506			<b>EQL</b>
<b>DCL #</b>	06-09021	Blank		
1,2-Dibromoethane	ND	ND		<b>1</b>
Chlorobenzene	ND	ND		<b>1</b>
Ethylbenzene	ND	ND		<b>1</b>
M&P Xylene	ND	ND		<b>1</b>
O Xylene	ND	ND		<b>1</b>
Styrene	ND	ND		<b>0.5*</b>
Bromoform	ND	ND		<b>1</b>
1,1,2,2-Tetrachloroethane	ND	ND		<b>1</b>
4-Ethyl Toluene	ND	ND		<b>1</b>
1,3,5-Trimethylbenzene	ND	ND		<b>1</b>
1,2,4-Trimethylbenzene	ND	ND		<b>1</b>
1,3-Dichlorobenzene	ND	ND		<b>1</b>
1,4-Dichlorobenzene	ND	ND		<b>1</b>
Benzyl Chloride	ND	ND		<b>1</b>
1,2-Dichlorobenzene	ND	ND		<b>1</b>
1,2,4-Trichlorobenzene	ND	ND		<b>1</b>
Hexachlorobutadiene	ND	ND		<b>1</b>
Acrylonitrile	ND	ND		<b>0.5*</b>

ND indicates not detected at or above the EQL value. \*MDL value.  
B indicates compound was found in the blank.

**Internal Standard Recovery**

% Rec Bromochloromethane	86	91	
% Rec 1,4-Difluorobenzene	90	95	
% Rec Chlorobenzene-d5	93	100	

**Surrogate Recovery**

% Rec Bromofluorobenzene	97	110	
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Acceptable Internal Standard and Surrogate recovery range between 60-140.

**Unknown Compounds Tentative Identification**

**PPB**


\* Tentative identification based on NBS spectral library. Quantitated values are based on a response factor of 1 and comparison to the closest internal standard and should be considered estimates.

*Mark Johnson*

*Quinn Upcraft*

Mark Johnson  
Analyst

Reviewer

