



Submitted To: Kerri Castlen
HCDOES
250 William Howard Taft Road
Cincinnati, OH
45219

Reference Data:

Sample Location: Lanxess
Sample Type: Canister
Client Sample No.: 108633082005
PO #: 270043225
Method Reference: TO-15
Sample Set ID#: 05-M-4666
DATACHEM Lab No.: 05-29747
Sample Receipt Date: 8/22/2005
Analysis Date: 8/23/2005

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 #	1086330820 05				EQL
DCL #	05-29747	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	ND	ND			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-Dichloropropene	ND	ND			1
4-Methyl 2-Pentanone	ND	ND			1
Toluene	ND	ND			1
trans-1,3-Dichloropropene	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

Client #	1086330820 05				EQL
DCL #	05-29747	Blank			
1,2-Dibromoethane	ND	ND			1
Chlorobenzene	ND	ND			1
Ethylbenzene	ND	ND			1
M&P Xylene	ND	ND			1
O Xylene	ND	ND			1
Styrene	0.71	ND			0.5*
Bromoform	ND	ND			1
1,1,2,2-Tetrachloroethane	ND	ND			1
4-Ethyl Toluene	ND	ND			1
1,3,5-Trimethylbenzene	ND	ND			1
1,2,4-Trimethylbenzene	ND	ND			1
1,3-Dichlorobenzene	ND	ND			1
1,4-Dichlorobenzene	ND	ND			1
Benzyl Chloride	ND	ND			1
1,2-Dichlorobenzene	ND	ND			1
1,2,4-Trichlorobenzene	ND	ND			1
Hexachlorobutadiene	ND	ND			1
Acrylonitrile	0.93	ND			0.5*

ND indicates not detected at or above the EQL value. *MDL value.

Internal Standard Recovery

% Rec Bromochloromethane	111	112		
% Rec 1,4-Difluorobenzene	107	106		
% Rec Chlorobenzene-d5	100	96		

Surrogate Recovery

% Rec Bromofluorobenzene	97	88		
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Acceptable Internal Standard and Surrogate recovery range between 60-140.

Unknown Compounds Tentative Identification

PPB

Ethanol*	37			
Butanol Isomer*	8			

* 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

Mark Johnson
Analyst

Dixie Upkey

Reviewer

