



Submitted To: Kerri Castlen  
Hamilton County Environmental Services  
250 William Howard Taft Road  
Cincinnati, OH  
45238

Reference Data:

Sample Location: Lanxess  
Sample Type: Canister  
Client Sample No.: 104513011106  
PO #: 270043225  
Method Reference: TO-15  
Sample Set ID#: 06-M-0123  
DATACHEM Lab No.: 06-00663  
Sample Receipt Date: 1/12/2006  
Analysis Date: 1/12/2006

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 #	1045130111 06			EQL
DCL #	06-00663	Blank		
Propene	ND	ND		1
Dichlorodifluoromethane	ND	ND		1
Freon 114	ND	ND		1
Chloromethane	ND	ND		1
1,3-Butadiene	0.4 J	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. J indicates estimated value below the EQL.

Data Table PPB

Client #	1045130111 06			EQL
DCL #	06-00663	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	ND	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	ND	ND		0.5*

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

Internal Standard Recovery

% Rec Bromochloromethane	100	100	
% Rec 1,4-Difluorobenzene	90	83	
% Rec Chlorobenzene-d5	84	87	

Surrogate Recovery

% Rec Bromofluorobenzene	88	92	
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Acceptable Internal Standard and Surrogate recovery range between 60-140.

Unknown Compounds Tentative Identification

PPB

Ethanol*	18		

\* 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

*Quinn Updegraff*

Reviewer

5/2/06



# DataChem Laboratories

## Field Chain-of-Custody Record

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Cooler Temp: \_\_\_\_\_  
(Lab only)

Client Contact Name & Address: HDDOES 250 William Howard Taft Rd Cincinnati, OH 45219 Seth Goran Phone: 513 946 7742 Fax: Billing Address (if different than above):  LANXESS					PO Number:		Analysis Requested									
Project No.:					Project Name:											
Project Name:					Sampler: (Signature) Bart Wofas											
06-M-0123																
Sample Number	Site ID	Date	Time	Lab Sample Number	Preservation	Sample Type	No. of Containers									
104513	011106			00663		X TO 15										
Notes:																

Relinquished by: (Signature) <i>B. Wofas</i>	Time / Date 1/12/06 12:45	Received by: (Signature) <i>[Signature]</i>	Time / Date 1/12/06 12:45	Ship to: <b>DataChem Laboratories</b> 4388 Glendale - Milford Road Cincinnati, Ohio 45242 Phone: 513.733.5336 Fax: 513.733.5347
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