NYC 9/11 Public Portal Document

DATA CHEM LABORATORIES
A SORENSON COMPANY

Submitted To: A. McGreevy
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11375

Reference Data:

Sample Location:	PA NY/NJ - World Trade Center
Sample Type:	Canister
Client Sample No.:	A-PATC RM 210 through D-VERIZON MANHOLE
PO #:	Not Available
Method Reference:	Volatile Compound Screen
Sample Set ID#:	01-M-5487
DATACHEM Lab No.:	01-31153 through 01-31156
Received Date:	9/29/2001
Analysis Date:	9/29/2001

The above numbered samples were analyzed for volatile organic compounds by 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. Results relate only to the items tested.

Canister B-Path EX. PL. Track E was still under vacuum upon return to the laboratory and could not be analyzed.

Mark Johnson

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Data Table PPB

Client #	A-PATC RM 210	B-PATH EX. PL.TRACK E ****	C-WTC TRACK LEVEL	D-VERIZON MANHOLE	EQL
DCL #	01-31153	01-31154	01-31155	01-31156	
Propene	ND		ND	ND	
Dichlorodifluoromethane	ND		5	ND	
Freon 114	ND		ND	ND	
Chloromethane	ND		10	ND	
1,3-Butadiene	ND		ND	ND	
Vinyl Chloride	ND		ND	ND	
Bromomethane	ND		ND	ND	
Chloroethane	ND		ND	ND	
Trichlorofluoromethane	ND		3	ND	
2-Propanol	30		7	ND	
1,1-Dichloroethene	ND		ND	ND	
Freon 113	ND		ND	ND	
Acetone	16		28	3	
Carbon Disulfide	ND		ND	ND	
Methylene Chloride	ND		47	ND	
MTBE	3		17	3	
Trans 1,2-Dichloroethene	ND		ND	ND	
Vinyl Acetate	ND		ND	ND	
Hexane	4		3	ND	
1,1-Dichloroethane	ND		ND	ND	
Cis-1,2-Dichloroethene	ND		ND	ND	
2-Butanone	5		3	ND	
Chloroform	ND		ND	ND	
Tetrahydrofuran	ND		ND	ND	
1,1,1-Trichloroethane	ND		ND	ND	
Cyclohexane	ND		2	ND	
Carbon Tetrachloride	ND		ND	ND	
Heptane	2		1	ND	
Benzene	ND		18	ND	
1,2-Dichloroethane	ND		ND	ND	
Trichloroethene	6		1	ND	
1,2-Dichloropropane	ND		ND	ND	
Bromodichloromethane	ND		ND	ND	
cis-1,3-Dichloropropene	ND		ND	ND	
4-Methyl 2-Pentanone	ND		ND	ND	
Toluene	7		20	3	
trans-1,3-Dichloropropene	ND		ND	ND	
1,1,2-Trichloroethane	ND		ND	ND	
Tetrachloroethene	ND		ND	ND	
2-Hexanone	ND		ND	ND	
Dibromochloromethane	ND		ND	ND	
1,2-Dibromoethane	ND		ND	ND	

ND indicates not detected at or above the EQL value

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Data Table PPB

Client #	A-PATC RM 210	B-PATH EX. PL.TRACK E ****	C-WTC TRACK LEVEL	D-VERIZON MANHOLE	EQL
DCL #	01-31153	01-31154	01-31155	01-31156	
Chlorobenzene	ND		ND	ND	
Ethylbenzene	ND		10	ND	
M&P Xylene	ND		11	ND	
O Xylene	ND		5	ND	
Styrene	ND		6	ND	
Bromform	ND		ND	ND	
1,1,2,2-Tetrachloroethane	ND		ND	ND	
4-Ethyl Toluene	ND		4	ND	
1,3,5-Trimethylbenzene	ND		2	ND	
1,2,4-Trimethylbenzene	ND		5	ND	
1,3-Dichlorobenzene	ND		ND	ND	
1,4-Dichlorobenzene	ND		ND	ND	
Benzyl Chloride	ND		ND	ND	
1,2-Dichlorobenzene	ND		ND	ND	
1,2,4-Trichlorobenzene	ND		ND	ND	
Hexachlorobutadiene	ND		ND	ND	

ND indicates not detected at or above the EQL value.
**** Indicates sample not analyzed.

Internal Standard Recovery

% Rec Bromochloromethane	125		109	113
% Rec 1,4-Difluorobenzene	116		99	104
% Rec Chlorobenzene-d5	85		89	67

Unknown Compounds Tentative Identification
PPB

Chlorodifluoromethane*			150	
Unknown Alkane*			7	
Dodecane*			16	
Pentadecane*			12	
Naphthalene*			14	
Methyl Butane Isomer*	5			
Trimethyl Pentane Isomer*	4			
Trimethyl Pentane Isomer*	9			
Dimethyl Hexane Isomer*	3			

* 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
Analyst

Reviewer

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