

REC'D WDNR / SER 07/13/09
BRRTS# 02-41-278106

Mylotta, Pamela A - DNR

From: United Engineering Tim Anderson [tauec@sbcglobal.net]
Sent: Monday, July 13, 2009 10:11 AM
To: Mylotta, Pamela A - DNR
Subject: Former Colony Dry Cleaners
Attachments: 1096712_coc.pdf; 1096712_fr.pdf

ACTION: 43
COMMENT: AIR SAMPLE RESULTS

Pam,

These are the results of the indoor air and sub-slab vapor analysis for the former Colony Dry Cleaners. We have also completed the exterior subsurface sampling. Please call to discuss!

Tim Anderson

Timothy J. Anderson, P.E.
Principal

UNITED ENGINEERING CONSULTANTS, INC
10617 W. Oklahoma Avenue, Suite L2, West Allis, WI 53227
Office (414) 327-8790 - Fax (414) 327-8792



June 12, 2009

Mr. Timothy Anderson
United Engineering
10617 W. Oklahoma Ave.
#22
West Allis, WI 53227

RE: Project: 06004 Frmr Colony Dry Cleaner
Pace Project No.: 1096712

Dear Mr. Anderson:

Enclosed are the analytical results for sample(s) received by the laboratory on June 08, 2009. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Colin Schuft

colin.schuft@pacelabs.com
Project Manager

Enclosures

REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 06004 Frmr Colony Dry Cleaner
Pace Project No.: 1096712

Minnesota Certification IDs

Wisconsin Certification #: 999407970
Washington Certification #: C754
Tennessee Certification #: 02818
Pennsylvania Certification #: 68-00563
Oregon Certification #: MN200001
North Dakota Certification #: R-036
North Carolina Certification #: 530
New York Certification #: 11647
New Jersey Certification #: MN-002
Montana Certification #: MT CERT0092
Minnesota Certification #: 027-053-137

Maine Certification #: 2007029
Louisiana Certification #: LA080009
Louisiana Certification #: 03086
Kansas Certification #: E-10167
Iowa Certification #: 368
Illinois Certification #: 200011
Florida/NELAP Certification #: E87605
California Certification #: 01155CA
Arizona Certification #: AZ-0014
Alaska Certification #: UST-078

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SAMPLE SUMMARY

Project: 06004 Fmr Colony Dry Cleaner
Pace Project No.: 1096712

Lab ID	Sample ID	Matrix	Date Collected	Date Received
1096712001	1203-FRONT OFFICE 24HR	Air	06/02/09 11:00	06/08/09 09:13
1096712002	0594-EQUIPMENT ROOM	Air	06/05/09 00:00	06/08/09 09:13
1096712003	0619-FRONT OFFICE AREA	Air	06/05/09 00:00	06/08/09 09:13
1096712004	1278-EAST STORAGE AREA	Air	06/05/09 00:00	06/08/09 09:13

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SAMPLE ANALYTE COUNT

Project: 06004 Frmr Colony Dry Cleaner
Pace Project No.: 1096712

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
1096712001	1203-FRONT OFFICE 24HR	TO-15	LCW	57	PASI-M
1096712002	0594-EQUIPMENT ROOM	TO-15	LCW	57	PASI-M
1096712003	0619-FRONT OFFICE AREA	TO-15	LCW	57	PASI-M
1096712004	1278-EAST STORAGE AREA	TO-15	LCW	57	PASI-M

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ANALYTICAL RESULTS

Project: 06004 Frm Colony Dry Cleaner
Pace Project No.: 1096712

Sample: 1203-FRONT OFFICE 24HR Lab ID: 1096712001 Collected: 06/02/09 11:00 Received: 06/08/09 09:13 Matrix: Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15						
Acetone	11.4	ug/m3	0.64	1.34		06/09/09 16:58	67-64-1	
Benzene	8.8	ug/m3	0.87	1.34		06/09/09 16:58	71-43-2	
Bromodichloromethane	ND	ug/m3	1.9	1.34		06/09/09 16:58	75-27-4	
Bromoform	ND	ug/m3	2.8	1.34		06/09/09 16:58	75-25-2	
Bromomethane	ND	ug/m3	1.1	1.34		06/09/09 16:58	74-83-9	
1,3-Butadiene	ND	ug/m3	0.60	1.34		06/09/09 16:58	106-99-0	
2-Butanone (MEK)	ND	ug/m3	0.80	1.34		06/09/09 16:58	78-93-3	
Carbon disulfide	ND	ug/m3	0.84	1.34		06/09/09 16:58	75-15-0	
Carbon tetrachloride	ND	ug/m3	1.7	1.34		06/09/09 16:58	56-23-5	
Chlorobenzene	ND	ug/m3	1.3	1.34		06/09/09 16:58	108-90-7	
Chloroethane	ND	ug/m3	0.72	1.34		06/09/09 16:58	75-00-3	
Chloroform	ND	ug/m3	1.3	1.34		06/09/09 16:58	67-66-3	
Chloromethane	ND	ug/m3	0.56	1.34		06/09/09 16:58	74-87-3	
Cyclohexane	14.6	ug/m3	0.91	1.34		06/09/09 16:58	110-82-7	
Dibromochloromethane	ND	ug/m3	2.3	1.34		06/09/09 16:58	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	2.1	1.34		06/09/09 16:58	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	1.6	1.34		06/09/09 16:58	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	1.6	1.34		06/09/09 16:58	541-73-1	
1,4-Dichlorobenzene	2.9	ug/m3	1.6	1.34		06/09/09 16:58	106-46-7	
Dichlorodifluoromethane	2.7	ug/m3	1.3	1.34		06/09/09 16:58	75-71-8	
1,1-Dichloroethane	ND	ug/m3	1.1	1.34		06/09/09 16:58	75-34-3	
1,2-Dichloroethane	ND	ug/m3	1.1	1.34		06/09/09 16:58	107-06-2	
1,1-Dichloroethene	ND	ug/m3	1.1	1.34		06/09/09 16:58	75-35-4	
cis-1,2-Dichloroethene	1.6	ug/m3	1.1	1.34		06/09/09 16:58	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	1.1	1.34		06/09/09 16:58	156-60-5	
1,2-Dichloropropane	ND	ug/m3	1.3	1.34		06/09/09 16:58	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	1.2	1.34		06/09/09 16:58	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	1.2	1.34		06/09/09 16:58	10061-02-6	
Dichlorotetrafluoroethane	ND	ug/m3	1.9	1.34		06/09/09 16:58	76-14-2	
Ethyl acetate	ND	ug/m3	0.98	1.34		06/09/09 16:58	141-78-6	
Ethylbenzene	3.7	ug/m3	1.2	1.34		06/09/09 16:58	100-41-4	
4-Ethyltoluene	3.4	ug/m3	3.4	1.34		06/09/09 16:58	622-96-8	
n-Heptane	7.3	ug/m3	1.1	1.34		06/09/09 16:58	142-82-5	
Hexachloro-1,3-butadiene	ND	ug/m3	2.9	1.34		06/09/09 16:58	87-68-3	
n-Hexane	32.1	ug/m3	0.96	1.34		06/09/09 16:58	110-54-3	
2-Hexanone	ND	ug/m3	1.1	1.34		06/09/09 16:58	591-78-6	
Methylene Chloride	3.7	ug/m3	0.95	1.34		06/09/09 16:58	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	1.1	1.34		06/09/09 16:58	108-10-1	
Methyl-tert-butyl ether	ND	ug/m3	0.98	1.34		06/09/09 16:58	1634-04-4	
Propylene	ND	ug/m3	0.47	1.34		06/09/09 16:58	115-07-1	
Styrene	ND	ug/m3	1.2	1.34		06/09/09 16:58	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/m3	1.9	1.34		06/09/09 16:58	79-34-5	
Tetrachloroethene	25.2	ug/m3	1.9	1.34		06/09/09 16:58	127-18-4	
Tetrahydrofuran	ND	ug/m3	0.80	1.34		06/09/09 16:58	109-99-9	
Toluene	47.5	ug/m3	1.0	1.34		06/09/09 16:58	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/m3	1.3	1.34		06/09/09 16:58	120-82-1	
1,1,1-Trichloroethane	ND	ug/m3	1.5	1.34		06/09/09 16:58	71-55-6	

Date: 06/12/2009 05:32 PM

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ANALYTICAL RESULTS

Project: 06004 Frmr Colony Dry Cleaner
Pace Project No.: 1096712

Sample: 1203-FRONT OFFICE 24HR Lab ID: 1096712001 Collected: 06/02/09 11:00 Received: 06/08/09 09:13 Matrix: Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15						
1,1,2-Trichloroethane	ND	ug/m3	1.5	1.34		06/09/09 16:58	79-00-5	
Trichloroethene	2.8	ug/m3	1.5	1.34		06/09/09 16:58	79-01-6	
Trichlorofluoromethane	ND	ug/m3	1.5	1.34		06/09/09 16:58	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.1	1.34		06/09/09 16:58	76-13-1	
1,2,4-Trimethylbenzene	5.5	ug/m3	3.4	1.34		06/09/09 16:58	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/m3	3.4	1.34		06/09/09 16:58	108-67-8	
Vinyl acetate	ND	ug/m3	0.95	1.34		06/09/09 16:58	108-05-4	
Vinyl chloride	ND	ug/m3	0.70	1.34		06/09/09 16:58	75-01-4	
m&p-Xylene	13.0	ug/m3	2.4	1.34		06/09/09 16:58	1330-20-7	
o-Xylene	4.3	ug/m3	1.2	1.34		06/09/09 16:58	95-47-6	

ANALYTICAL RESULTS

Project: 06004 Frm Colony Dry Cleaner
Pace Project No.: 1096712

Sample: 0619-FRONT OFFICE AREA Lab ID: 1096712003 Collected: 06/05/09 00:00 Received: 06/08/09 09:13 Matrix: Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15						
Acetone	6.0	ug/m3	0.64	1.34		06/09/09 18:00	67-64-1	
Benzene	9.6	ug/m3	0.87	1.34		06/09/09 18:00	71-43-2	
Bromodichloromethane	ND	ug/m3	1.9	1.34		06/09/09 18:00	75-27-4	
Bromoform	ND	ug/m3	2.8	1.34		06/09/09 18:00	75-25-2	
Bromomethane	ND	ug/m3	1.1	1.34		06/09/09 18:00	74-83-9	
1,3-Butadiene	ND	ug/m3	0.60	1.34		06/09/09 18:00	106-99-0	
2-Butanone (MEK)	ND	ug/m3	0.80	1.34		06/09/09 18:00	78-93-3	
Carbon disulfide	ND	ug/m3	0.84	1.34		06/09/09 18:00	75-15-0	
Carbon tetrachloride	ND	ug/m3	1.7	1.34		06/09/09 18:00	56-23-5	
Chlorobenzene	ND	ug/m3	1.3	1.34		06/09/09 18:00	108-90-7	
Chloroethane	ND	ug/m3	0.72	1.34		06/09/09 18:00	75-00-3	
Chloroform	ND	ug/m3	1.3	1.34		06/09/09 18:00	67-66-3	
Chloromethane	ND	ug/m3	0.56	1.34		06/09/09 18:00	74-87-3	
Cyclohexane	14.7	ug/m3	0.91	1.34		06/09/09 18:00	110-82-7	
Dibromochloromethane	ND	ug/m3	2.3	1.34		06/09/09 18:00	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	2.1	1.34		06/09/09 18:00	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	1.6	1.34		06/09/09 18:00	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	1.6	1.34		06/09/09 18:00	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	1.6	1.34		06/09/09 18:00	106-46-7	
Dichlorodifluoromethane	2.7	ug/m3	1.3	1.34		06/09/09 18:00	75-71-8	
1,1-Dichloroethane	ND	ug/m3	1.1	1.34		06/09/09 18:00	75-34-3	
1,2-Dichloroethane	ND	ug/m3	1.1	1.34		06/09/09 18:00	107-06-2	
1,1-Dichloroethene	ND	ug/m3	1.1	1.34		06/09/09 18:00	75-35-4	
cis-1,2-Dichloroethene	2.1	ug/m3	1.1	1.34		06/09/09 18:00	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	1.1	1.34		06/09/09 18:00	156-60-5	
1,2-Dichloropropane	ND	ug/m3	1.3	1.34		06/09/09 18:00	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	1.2	1.34		06/09/09 18:00	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	1.2	1.34		06/09/09 18:00	10061-02-6	
Dichlorotetrafluoroethane	ND	ug/m3	1.9	1.34		06/09/09 18:00	76-14-2	
Ethyl acetate	ND	ug/m3	0.98	1.34		06/09/09 18:00	141-78-6	
Ethylbenzene	4.3	ug/m3	1.2	1.34		06/09/09 18:00	100-41-4	
4-Ethyltoluene	3.7	ug/m3	3.4	1.34		06/09/09 18:00	622-96-8	
n-Heptane	7.3	ug/m3	1.1	1.34		06/09/09 18:00	142-82-5	
Hexachloro-1,3-butadiene	ND	ug/m3	2.9	1.34		06/09/09 18:00	87-68-3	
n-Hexane	32.2	ug/m3	0.96	1.34		06/09/09 18:00	110-54-3	
2-Hexanone	ND	ug/m3	1.1	1.34		06/09/09 18:00	591-78-6	
Methylene Chloride	5.0	ug/m3	0.95	1.34		06/09/09 18:00	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	1.1	1.34		06/09/09 18:00	108-10-1	
Methyl-tert-butyl ether	ND	ug/m3	0.98	1.34		06/09/09 18:00	1634-04-4	
Propylene	ND	ug/m3	0.47	1.34		06/09/09 18:00	115-07-1	
Styrene	ND	ug/m3	1.2	1.34		06/09/09 18:00	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/m3	1.9	1.34		06/09/09 18:00	79-34-5	
Tetrachloroethene	176000	ug/m3	19200	13721.6		06/11/09 02:18	127-18-4	1M,A3
Tetrahydrofuran	ND	ug/m3	0.80	1.34		06/09/09 18:00	109-99-9	
Toluene	57.0	ug/m3	1.0	1.34		06/09/09 18:00	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/m3	1.3	1.34		06/09/09 18:00	120-82-1	

Date: 06/12/2009 05:32 PM

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ANALYTICAL RESULTS

Project: 06004 Frmr Colony Dry Cleaner
Pace Project No.: 1096712

Sample: **0619-FRONT OFFICE AREA** Lab ID: **1096712003** Collected: 06/05/09 00:00 Received: 06/08/09 09:13 Matrix: Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15						
1,1,1-Trichloroethane	ND	ug/m3	1.5	1.34		06/09/09 18:00	71-55-6	
1,1,2-Trichloroethane	ND	ug/m3	1.5	1.34		06/09/09 18:00	79-00-5	
Trichloroethene	13.3	ug/m3	1.5	1.34		06/09/09 18:00	79-01-6	
Trichlorofluoromethane	1.5	ug/m3	1.5	1.34		06/09/09 18:00	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.1	1.34		06/09/09 18:00	76-13-1	
1,2,4-Trimethylbenzene	6.2	ug/m3	3.4	1.34		06/09/09 18:00	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/m3	3.4	1.34		06/09/09 18:00	108-67-8	
Vinyl acetate	ND	ug/m3	0.95	1.34		06/09/09 18:00	108-05-4	
Vinyl chloride	ND	ug/m3	0.70	1.34		06/09/09 18:00	75-01-4	
m&p-Xylene	13.4	ug/m3	2.4	1.34		06/09/09 18:00	1330-20-7	
o-Xylene	4.5	ug/m3	1.2	1.34		06/09/09 18:00	95-47-6	

ANALYTICAL RESULTS

Project: 06004 Frmr Colony Dry Cleaner
Pace Project No.: 1096712

Sample: 0594-EQUIPMENT ROOM Lab ID: 1096712002 Collected: 06/05/09 00:00 Received: 06/08/09 09:13 Matrix: Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15						
Acetone	21.8	ug/m3	0.64	1.34		06/09/09 17:29	67-64-1	
Benzene	3.2	ug/m3	0.87	1.34		06/09/09 17:29	71-43-2	
Bromodichloromethane	ND	ug/m3	1.9	1.34		06/09/09 17:29	75-27-4	
Bromoform	ND	ug/m3	2.8	1.34		06/09/09 17:29	75-25-2	
Bromomethane	ND	ug/m3	1.1	1.34		06/09/09 17:29	74-83-9	
1,3-Butadiene	ND	ug/m3	0.60	1.34		06/09/09 17:29	106-99-0	
2-Butanone (MEK)	ND	ug/m3	0.80	1.34		06/09/09 17:29	78-93-3	
Carbon disulfide	ND	ug/m3	0.84	1.34		06/09/09 17:29	75-15-0	
Carbon tetrachloride	ND	ug/m3	1.7	1.34		06/09/09 17:29	56-23-5	
Chlorobenzene	ND	ug/m3	1.3	1.34		06/09/09 17:29	108-90-7	
Chloroethane	ND	ug/m3	0.72	1.34		06/09/09 17:29	75-00-3	
Chloroform	ND	ug/m3	1.3	1.34		06/09/09 17:29	67-66-3	
Chloromethane	ND	ug/m3	0.56	1.34		06/09/09 17:29	74-87-3	
Cyclohexane	23.8	ug/m3	0.91	1.34		06/09/09 17:29	110-82-7	
Dibromochloromethane	ND	ug/m3	2.3	1.34		06/09/09 17:29	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	2.1	1.34		06/09/09 17:29	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	1.6	1.34		06/09/09 17:29	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	1.6	1.34		06/09/09 17:29	541-73-1	
1,4-Dichlorobenzene	3.9	ug/m3	1.6	1.34		06/09/09 17:29	106-46-7	
Dichlorodifluoromethane	2.8	ug/m3	1.3	1.34		06/09/09 17:29	75-71-8	
1,1-Dichloroethane	ND	ug/m3	1.1	1.34		06/09/09 17:29	75-34-3	
1,2-Dichloroethane	ND	ug/m3	1.1	1.34		06/09/09 17:29	107-06-2	
1,1-Dichloroethene	ND	ug/m3	1.1	1.34		06/09/09 17:29	75-35-4	
cis-1,2-Dichloroethene	210	ug/m3	1.1	1.34		06/09/09 17:29	156-59-2	E
trans-1,2-Dichloroethene	ND	ug/m3	1.1	1.34		06/09/09 17:29	156-60-5	
1,2-Dichloropropane	ND	ug/m3	1.3	1.34		06/09/09 17:29	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	1.2	1.34		06/09/09 17:29	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	1.2	1.34		06/09/09 17:29	10061-02-6	
Dichlorotetrafluoroethane	ND	ug/m3	1.9	1.34		06/09/09 17:29	76-14-2	
Ethyl acetate	8.6	ug/m3	0.98	1.34		06/09/09 17:29	141-78-6	
Ethylbenzene	1.5	ug/m3	1.2	1.34		06/09/09 17:29	100-41-4	
4-Ethyltoluene	ND	ug/m3	3.4	1.34		06/09/09 17:29	622-96-8	
n-Heptane	29.4	ug/m3	1.1	1.34		06/09/09 17:29	142-82-5	
Hexachloro-1,3-butadiene	ND	ug/m3	2.9	1.34		06/09/09 17:29	87-68-3	
n-Hexane	17.4	ug/m3	0.96	1.34		06/09/09 17:29	110-54-3	
2-Hexanone	ND	ug/m3	1.1	1.34		06/09/09 17:29	591-78-6	
Methylene Chloride	156	ug/m3	0.95	1.34		06/09/09 17:29	75-09-2	E
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	1.1	1.34		06/09/09 17:29	108-10-1	
Methyl-tert-butyl ether	ND	ug/m3	0.98	1.34		06/09/09 17:29	1634-04-4	
Propylene	ND	ug/m3	0.47	1.34		06/09/09 17:29	115-07-1	
Styrene	2.9	ug/m3	1.2	1.34		06/09/09 17:29	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.9	1.34		06/09/09 17:29	79-34-5	
Tetrachloroethene	57600	ug/m3	4800	3430.4		06/11/09 00:48	127-18-4	1M,A3
Tetrahydrofuran	ND	ug/m3	0.80	1.34		06/09/09 17:29	109-99-9	
Toluene	59.6	ug/m3	1.0	1.34		06/09/09 17:29	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/m3	1.3	1.34		06/09/09 17:29	120-82-1	
1,1,1-Trichloroethane	ND	ug/m3	1.5	1.34		06/09/09 17:29	71-55-6	

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ANALYTICAL RESULTS

Project: 06004 Frmr Colony Dry Cleaner
Pace Project No.: 1096712

Sample: 0594-EQUIPMENT ROOM Lab ID: 1096712002 Collected: 06/05/09 00:00 Received: 06/08/09 09:13 Matrix: Air								
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15						
1,1,2-Trichloroethane	ND	ug/m3	1.5	1.34		06/09/09 17:29	79-00-5	
Trichloroethene	814	ug/m3	1.5	1.34		06/09/09 17:29	79-01-6	E
Trichlorofluoromethane	ND	ug/m3	1.5	1.34		06/09/09 17:29	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.1	1.34		06/09/09 17:29	76-13-1	
1,2,4-Trimethylbenzene	3.5	ug/m3	3.4	1.34		06/09/09 17:29	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/m3	3.4	1.34		06/09/09 17:29	108-67-8	
Vinyl acetate	ND	ug/m3	0.95	1.34		06/09/09 17:29	108-05-4	
Vinyl chloride	ND	ug/m3	0.70	1.34		06/09/09 17:29	75-01-4	
m&p-Xylene	7.9	ug/m3	2.4	1.34		06/09/09 17:29	1330-20-7	
o-Xylene	2.4	ug/m3	1.2	1.34		06/09/09 17:29	95-47-6	

ANALYTICAL RESULTS

Project: 06004 Frmr Colony Dry Cleaner
Pace Project No.: 1096712

Sample: **1278-EAST STORAGE AREA** Lab ID: **1096712004** Collected: 06/05/09 00:00 Received: 06/08/09 09:13 Matrix: Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15						
Acetone	ND	ug/m3	0.64	1.34		06/10/09 18:39	67-64-1	
Benzene	18.6	ug/m3	0.87	1.34		06/10/09 18:39	71-43-2	
Bromodichloromethane	ND	ug/m3	1.9	1.34		06/10/09 18:39	75-27-4	
Bromoform	ND	ug/m3	2.8	1.34		06/10/09 18:39	75-25-2	
Bromomethane	ND	ug/m3	1.1	1.34		06/10/09 18:39	74-83-9	
1,3-Butadiene	ND	ug/m3	0.60	1.34		06/10/09 18:39	106-99-0	
2-Butanone (MEK)	ND	ug/m3	0.80	1.34		06/10/09 18:39	78-93-3	
Carbon disulfide	ND	ug/m3	0.84	1.34		06/10/09 18:39	75-15-0	
Carbon tetrachloride	ND	ug/m3	1.7	1.34		06/10/09 18:39	56-23-5	
Chlorobenzene	ND	ug/m3	1.3	1.34		06/10/09 18:39	108-90-7	
Chloroethane	ND	ug/m3	0.72	1.34		06/10/09 18:39	75-00-3	
Chloroform	ND	ug/m3	1.3	1.34		06/10/09 18:39	67-66-3	
Chloromethane	ND	ug/m3	0.56	1.34		06/10/09 18:39	74-87-3	
Cyclohexane	39.3	ug/m3	0.91	1.34		06/10/09 18:39	110-82-7	
Dibromochloromethane	ND	ug/m3	2.3	1.34		06/10/09 18:39	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	2.1	1.34		06/10/09 18:39	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	1.6	1.34		06/10/09 18:39	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	1.6	1.34		06/10/09 18:39	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	1.6	1.34		06/10/09 18:39	106-46-7	
Dichlorodifluoromethane	ND	ug/m3	1.3	1.34		06/10/09 18:39	75-71-8	
1,1-Dichloroethane	ND	ug/m3	1.1	1.34		06/10/09 18:39	75-34-3	
1,2-Dichloroethane	ND	ug/m3	1.1	1.34		06/10/09 18:39	107-06-2	
1,1-Dichloroethene	ND	ug/m3	1.1	1.34		06/10/09 18:39	75-35-4	
cis-1,2-Dichloroethene	70.7	ug/m3	1.1	1.34		06/10/09 18:39	156-59-2	
trans-1,2-Dichloroethene	2.2	ug/m3	1.1	1.34		06/10/09 18:39	156-60-5	
1,2-Dichloropropane	ND	ug/m3	1.3	1.34		06/10/09 18:39	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	1.2	1.34		06/10/09 18:39	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	1.2	1.34		06/10/09 18:39	10061-02-6	
Dichlorotetrafluoroethane	ND	ug/m3	1.9	1.34		06/10/09 18:39	76-14-2	
Ethyl acetate	ND	ug/m3	0.98	1.34		06/10/09 18:39	141-78-6	
Ethylbenzene	9.7	ug/m3	1.2	1.34		06/10/09 18:39	100-41-4	
4-Ethyltoluene	ND	ug/m3	3.4	1.34		06/10/09 18:39	622-96-8	
n-Heptane	26.2	ug/m3	1.1	1.34		06/10/09 18:39	142-82-5	
Hexachloro-1,3-butadiene	ND	ug/m3	2.9	1.34		06/10/09 18:39	87-68-3	
n-Hexane	46.6	ug/m3	0.96	1.34		06/10/09 18:39	110-54-3	
2-Hexanone	ND	ug/m3	1.1	1.34		06/10/09 18:39	591-78-6	
Methylene Chloride	ND	ug/m3	0.95	1.34		06/10/09 18:39	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	1.1	1.34		06/10/09 18:39	108-10-1	
Methyl-tert-butyl ether	ND	ug/m3	0.98	1.34		06/10/09 18:39	1634-04-4	
Propylene	ND	ug/m3	0.47	1.34		06/10/09 18:39	115-07-1	
Styrene	ND	ug/m3	1.2	1.34		06/10/09 18:39	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/m3	1.9	1.34		06/10/09 18:39	79-34-5	
Tetrachloroethene	38.2	ug/m3	1.9	1.34		06/10/09 18:39	127-18-4	
Tetrahydrofuran	ND	ug/m3	0.80	1.34		06/10/09 18:39	109-99-9	
Toluene	32.2	ug/m3	1.0	1.34		06/10/09 18:39	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/m3	1.3	1.34		06/10/09 18:39	120-82-1	

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ANALYTICAL RESULTS

Project: 06004 Frmr Colony Dry Cleaner
Pace Project No.: 1096712

Sample: **1278-EAST STORAGE AREA** Lab ID: **1096712004** Collected: 06/05/09 00:00 Received: 06/08/09 09:13 Matrix: Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15						
1,1,1-Trichloroethane	ND	ug/m3	1.5	1.34		06/10/09 18:39	71-55-6	
1,1,2-Trichloroethane	ND	ug/m3	1.5	1.34		06/10/09 18:39	79-00-5	
Trichloroethene	122	ug/m3	1.5	1.34		06/10/09 18:39	79-01-6	
Trichlorofluoromethane	3.6	ug/m3	1.5	1.34		06/10/09 18:39	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.1	1.34		06/10/09 18:39	76-13-1	
1,2,4-Trimethylbenzene	7.4	ug/m3	3.4	1.34		06/10/09 18:39	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/m3	3.4	1.34		06/10/09 18:39	108-67-8	
Vinyl acetate	ND	ug/m3	0.95	1.34		06/10/09 18:39	108-05-4	
Vinyl chloride	ND	ug/m3	0.70	1.34		06/10/09 18:39	75-01-4	
m&p-Xylene	22.2	ug/m3	2.4	1.34		06/10/09 18:39	1330-20-7	
o-Xylene	5.0	ug/m3	1.2	1.34		06/10/09 18:39	95-47-6	

QUALITY CONTROL DATA

Project: 06004 Frmr Colony Dry Cleaner
Pace Project No.: 1096712

QC Batch: AIR/8672 Analysis Method: TO-15
QC Batch Method: TO-15 Analysis Description: TO15 MSV AIR Low Level
Associated Lab Samples: 1096712001, 1096712002, 1096712003

METHOD BLANK: 632696 Matrix: Air
Associated Lab Samples: 1096712001, 1096712002, 1096712003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/m3	ND	1.1	06/09/09 12:46	
1,1,2,2-Tetrachloroethane	ug/m3	ND	1.4	06/09/09 12:46	
1,1,2-Trichloroethane	ug/m3	ND	1.1	06/09/09 12:46	
1,1,2-Trichlorotrifluoroethane	ug/m3	ND	1.6	06/09/09 12:46	
1,1-Dichloroethane	ug/m3	ND	0.82	06/09/09 12:46	
1,1-Dichloroethene	ug/m3	ND	0.81	06/09/09 12:46	
1,2,4-Trichlorobenzene	ug/m3	ND	0.99	06/09/09 12:46	
1,2,4-Trimethylbenzene	ug/m3	ND	2.5	06/09/09 12:46	
1,2-Dibromoethane (EDB)	ug/m3	ND	1.6	06/09/09 12:46	
1,2-Dichlorobenzene	ug/m3	ND	1.2	06/09/09 12:46	
1,2-Dichloroethane	ug/m3	ND	0.82	06/09/09 12:46	
1,2-Dichloropropane	ug/m3	ND	0.94	06/09/09 12:46	
1,3,5-Trimethylbenzene	ug/m3	ND	2.5	06/09/09 12:46	
1,3-Butadiene	ug/m3	ND	0.45	06/09/09 12:46	
1,3-Dichlorobenzene	ug/m3	ND	1.2	06/09/09 12:46	
1,4-Dichlorobenzene	ug/m3	ND	1.2	06/09/09 12:46	
2-Butanone (MEK)	ug/m3	ND	0.60	06/09/09 12:46	
2-Hexanone	ug/m3	ND	0.83	06/09/09 12:46	
4-Ethyltoluene	ug/m3	ND	2.5	06/09/09 12:46	
4-Methyl-2-pentanone (MIBK)	ug/m3	ND	0.83	06/09/09 12:46	
Acetone	ug/m3	ND	0.48	06/09/09 12:46	
Benzene	ug/m3	ND	0.65	06/09/09 12:46	
Bromodichloromethane	ug/m3	ND	1.4	06/09/09 12:46	
Bromoform	ug/m3	ND	2.1	06/09/09 12:46	
Bromomethane	ug/m3	ND	0.79	06/09/09 12:46	
Carbon disulfide	ug/m3	ND	0.63	06/09/09 12:46	
Carbon tetrachloride	ug/m3	ND	1.3	06/09/09 12:46	
Chlorobenzene	ug/m3	ND	0.94	06/09/09 12:46	
Chloroethane	ug/m3	ND	0.54	06/09/09 12:46	
Chloroform	ug/m3	ND	0.99	06/09/09 12:46	
Chloromethane	ug/m3	ND	0.42	06/09/09 12:46	
cis-1,2-Dichloroethene	ug/m3	ND	0.81	06/09/09 12:46	
cis-1,3-Dichloropropene	ug/m3	ND	0.92	06/09/09 12:46	
Cyclohexane	ug/m3	ND	0.68	06/09/09 12:46	
Dibromochloromethane	ug/m3	ND	1.7	06/09/09 12:46	
Dichlorodifluoromethane	ug/m3	ND	1.0	06/09/09 12:46	
Dichlorotetrafluoroethane	ug/m3	ND	1.4	06/09/09 12:46	
Ethyl acetate	ug/m3	ND	0.73	06/09/09 12:46	
Ethylbenzene	ug/m3	ND	0.88	06/09/09 12:46	
Hexachloro-1,3-butadiene	ug/m3	ND	2.2	06/09/09 12:46	
m&p-Xylene	ug/m3	ND	1.8	06/09/09 12:46	
Methyl-tert-butyl ether	ug/m3	ND	0.73	06/09/09 12:46	
Methylene Chloride	ug/m3	ND	0.71	06/09/09 12:46	

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QUALITY CONTROL DATA

Project: 06004 Frmr Colony Dry Cleaner
Pace Project No.: 1096712

METHOD BLANK: 632696 Matrix: Air

Associated Lab Samples: 1096712001, 1096712002, 1096712003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
n-Heptane	ug/m3	ND	0.83	06/09/09 12:46	
n-Hexane	ug/m3	ND	0.72	06/09/09 12:46	
o-Xylene	ug/m3	ND	0.88	06/09/09 12:46	
Propylene	ug/m3	ND	0.35	06/09/09 12:46	
Styrene	ug/m3	ND	0.87	06/09/09 12:46	
Tetrachloroethene	ug/m3	ND	1.4	06/09/09 12:46	
Tetrahydrofuran	ug/m3	ND	0.60	06/09/09 12:46	
Toluene	ug/m3	ND	0.77	06/09/09 12:46	
trans-1,2-Dichloroethene	ug/m3	ND	0.81	06/09/09 12:46	
trans-1,3-Dichloropropene	ug/m3	ND	0.92	06/09/09 12:46	
Trichloroethene	ug/m3	ND	1.1	06/09/09 12:46	
Trichlorofluoromethane	ug/m3	ND	1.1	06/09/09 12:46	
Vinyl acetate	ug/m3	ND	0.71	06/09/09 12:46	
Vinyl chloride	ug/m3	ND	0.52	06/09/09 12:46	

LABORATORY CONTROL SAMPLE: 632697

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/m3	57.2	59.2	104	55-127	
1,1,2,2-Tetrachloroethane	ug/m3	71.2	63.4	89	58-128	
1,1,2-Trichloroethane	ug/m3	56	59.9	107	58-126	
1,1,2-Trichlorotrifluoroethane	ug/m3	76.4	62.9	82	49-134	
1,1-Dichloroethane	ug/m3	41.2	41.4	101	52-129	
1,1-Dichloroethene	ug/m3	40.3	41.3	103	50-130	
1,2,4-Trichlorobenzene	ug/m3	74.7	47.3	63	30-150	
1,2,4-Trimethylbenzene	ug/m3	49.5	47.7	96	53-144	
1,2-Dibromoethane (EDB)	ug/m3	81.3	97.7	120	57-137	
1,2-Dichlorobenzene	ug/m3	62.4	54.7	88	65-140	
1,2-Dichloroethane	ug/m3	44.9	50.7	113	54-125	
1,2-Dichloropropane	ug/m3	50.8	50.7	100	60-125	
1,3,5-Trimethylbenzene	ug/m3	49.5	50.6	102	54-139	
1,3-Butadiene	ug/m3	22.7	22.7	100	54-125	
1,3-Dichlorobenzene	ug/m3	64.2	54.5	85	62-140	
1,4-Dichlorobenzene	ug/m3	63	53.6	85	61-139	
2-Butanone (MEK)	ug/m3	30.9	31.9	103	47-138	
2-Hexanone	ug/m3	42.1	36.2	86	40-143	
4-Ethyltoluene	ug/m3	50	46.1	92	57-139	
4-Methyl-2-pentanone (MIBK)	ug/m3	42.5	35.0	82	54-132	
Acetone	ug/m3	24.2	14.1	58	44-147	
Benzene	ug/m3	32.8	37.1	113	60-125	
Bromodichloromethane	ug/m3	68.1	64.7	95	53-130	
Bromoform	ug/m3	107	91.4	85	55-125	
Bromomethane	ug/m3	39.9	43.4	109	53-132	
Carbon disulfide	ug/m3	32.6	38.3	117	57-150	
Carbon tetrachloride	ug/m3	64.6	57.8	89	53-125	

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QUALITY CONTROL DATA

Project: 06004 Frmr Colony Dry Cleaner
Pace Project No.: 1096712

LABORATORY CONTROL SAMPLE: 632697

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chlorobenzene	ug/m3	46.4	46.1	99	50-136	
Chloroethane	ug/m3	26.6	27.4	103	55-130	
Chloroform	ug/m3	48.5	51.0	105	56-125	
Chloromethane	ug/m3	21	20.3	97	49-127	
cis-1,2-Dichloroethene	ug/m3	41.5	47.3	114	58-127	
cis-1,3-Dichloropropene	ug/m3	48.5	53.2	110	62-135	
Cyclohexane	ug/m3	35.7	39.6	111	56-135	
Dibromochloromethane	ug/m3	91	78.1	86	48-132	
Dichlorodifluoromethane	ug/m3	49.3	49.3	100	54-130	
Dichlorotetrafluoroethane	ug/m3	71.1	64.9	91	50-125	
Ethyl acetate	ug/m3	37.4	40.6	109	70-141	
Ethylbenzene	ug/m3	48.6	49.5	102	57-135	
Hexachloro-1,3-butadiene	ug/m3	106	104	98	30-150	
m&p-Xylene	ug/m3	92.7	80.3	87	61-135	
Methyl-tert-butyl ether	ug/m3	36.7	42.8	117	56-130	
Methylene Chloride	ug/m3	34.6	27.1	78	49-127	
n-Heptane	ug/m3	42.9	39.1	91	57-133	
n-Hexane	ug/m3	39.1	46.0	118	55-135	
o-Xylene	ug/m3	45.5	43.0	95	60-134	
Propylene	ug/m3	18.6	19.3	104	63-147	
Styrene	ug/m3	43.3	37.8	87	58-142	
Tetrachloroethene	ug/m3	71.7	86.4	120	61-132	
Tetrahydrofuran	ug/m3	22.5	16.4	73	67-134	
Toluene	ug/m3	39.9	44.4	111	56-132	
trans-1,2-Dichloroethene	ug/m3	41.9	46.1	110	52-131	
trans-1,3-Dichloropropene	ug/m3	48.9	43.8	90	62-131	
Trichloroethene	ug/m3	55.2	76.6	139	68-150	
Trichlorofluoromethane	ug/m3	56	55.4	99	52-142	
Vinyl acetate	ug/m3	36.9	42.8	116	53-136	
Vinyl chloride	ug/m3	26.8	26.0	97	57-132	

QUALITY CONTROL DATA

Project: 06004 Frmr Colony Dry Cleaner
Pace Project No.: 1096712

QC Batch: AIR/8683 Analysis Method: TO-15
QC Batch Method: TO-15 Analysis Description: TO15 MSV AIR Low Level
Associated Lab Samples: 1096712004

METHOD BLANK: 633678 Matrix: Air
Associated Lab Samples: 1096712004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/m3	ND	1.1	06/10/09 16:03	
1,1,2,2-Tetrachloroethane	ug/m3	ND	1.4	06/10/09 16:03	
1,1,2-Trichloroethane	ug/m3	ND	1.1	06/10/09 16:03	
1,1,2-Trichlorotrifluoroethane	ug/m3	ND	1.6	06/10/09 16:03	
1,1-Dichloroethane	ug/m3	ND	0.82	06/10/09 16:03	
1,1-Dichloroethene	ug/m3	ND	0.81	06/10/09 16:03	
1,2,4-Trichlorobenzene	ug/m3	ND	0.99	06/10/09 16:03	
1,2,4-Trimethylbenzene	ug/m3	ND	2.5	06/10/09 16:03	
1,2-Dibromoethane (EDB)	ug/m3	ND	1.6	06/10/09 16:03	
1,2-Dichlorobenzene	ug/m3	ND	1.2	06/10/09 16:03	
1,2-Dichloroethane	ug/m3	ND	0.82	06/10/09 16:03	
1,2-Dichloropropane	ug/m3	ND	0.94	06/10/09 16:03	
1,3,5-Trimethylbenzene	ug/m3	ND	2.5	06/10/09 16:03	
1,3-Butadiene	ug/m3	ND	0.45	06/10/09 16:03	
1,3-Dichlorobenzene	ug/m3	ND	1.2	06/10/09 16:03	
1,4-Dichlorobenzene	ug/m3	ND	1.2	06/10/09 16:03	
2-Butanone (MEK)	ug/m3	ND	0.60	06/10/09 16:03	
2-Hexanone	ug/m3	ND	0.83	06/10/09 16:03	
4-Ethyltoluene	ug/m3	ND	2.5	06/10/09 16:03	
4-Methyl-2-pentanone (MIBK)	ug/m3	ND	0.83	06/10/09 16:03	
Acetone	ug/m3	ND	0.48	06/10/09 16:03	
Benzene	ug/m3	ND	0.65	06/10/09 16:03	
Bromodichloromethane	ug/m3	ND	1.4	06/10/09 16:03	
Bromoform	ug/m3	ND	2.1	06/10/09 16:03	
Bromomethane	ug/m3	ND	0.79	06/10/09 16:03	
Carbon disulfide	ug/m3	ND	0.63	06/10/09 16:03	
Carbon tetrachloride	ug/m3	ND	1.3	06/10/09 16:03	
Chlorobenzene	ug/m3	ND	0.94	06/10/09 16:03	
Chloroethane	ug/m3	ND	0.54	06/10/09 16:03	
Chloroform	ug/m3	ND	0.99	06/10/09 16:03	
Chloromethane	ug/m3	ND	0.42	06/10/09 16:03	
cis-1,2-Dichloroethene	ug/m3	ND	0.81	06/10/09 16:03	
cis-1,3-Dichloropropene	ug/m3	ND	0.92	06/10/09 16:03	
Cyclohexane	ug/m3	ND	0.68	06/10/09 16:03	
Dibromochloromethane	ug/m3	ND	1.7	06/10/09 16:03	
Dichlorodifluoromethane	ug/m3	ND	1.0	06/10/09 16:03	
Dichlorotetrafluoroethane	ug/m3	ND	1.4	06/10/09 16:03	
Ethyl acetate	ug/m3	ND	0.73	06/10/09 16:03	
Ethylbenzene	ug/m3	ND	0.88	06/10/09 16:03	
Hexachloro-1,3-butadiene	ug/m3	ND	2.2	06/10/09 16:03	
m&p-Xylene	ug/m3	ND	1.8	06/10/09 16:03	
Methyl-tert-butyl ether	ug/m3	ND	0.73	06/10/09 16:03	
Methylene Chloride	ug/m3	ND	0.71	06/10/09 16:03	

Date: 06/12/2009 05:32 PM

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 06004 Frm Colony Dry Cleaner
Pace Project No.: 1096712

METHOD BLANK: 633678 Matrix: Air
Associated Lab Samples: 1096712004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
n-Heptane	ug/m3	ND	0.83	06/10/09 16:03	
n-Hexane	ug/m3	ND	0.72	06/10/09 16:03	
o-Xylene	ug/m3	ND	0.88	06/10/09 16:03	
Propylene	ug/m3	ND	0.35	06/10/09 16:03	
Styrene	ug/m3	ND	0.87	06/10/09 16:03	
Tetrachloroethene	ug/m3	ND	1.4	06/10/09 16:03	
Tetrahydrofuran	ug/m3	ND	0.60	06/10/09 16:03	
Toluene	ug/m3	ND	0.77	06/10/09 16:03	
trans-1,2-Dichloroethene	ug/m3	ND	0.81	06/10/09 16:03	
trans-1,3-Dichloropropene	ug/m3	ND	0.92	06/10/09 16:03	
Trichloroethene	ug/m3	ND	1.1	06/10/09 16:03	
Trichlorofluoromethane	ug/m3	ND	1.1	06/10/09 16:03	
Vinyl acetate	ug/m3	ND	0.71	06/10/09 16:03	
Vinyl chloride	ug/m3	ND	0.52	06/10/09 16:03	

LABORATORY CONTROL SAMPLE: 633679

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/m3	57.2	69.6	122	55-127	
1,1,2,2-Tetrachloroethane	ug/m3	71.2	71.3	100	58-128	
1,1,2-Trichloroethane	ug/m3	56	54.8	98	58-126	
1,1,2-Trichlorotrifluoroethane	ug/m3	76.4	67.1	88	49-134	
1,1-Dichloroethane	ug/m3	41.2	41.1	100	52-129	
1,1-Dichloroethene	ug/m3	40.3	45.2	112	50-130	
1,2,4-Trichlorobenzene	ug/m3	74.7	63.0	84	30-150	
1,2,4-Trimethylbenzene	ug/m3	49.5	66.9	135	53-144	
1,2-Dibromoethane (EDB)	ug/m3	81.3	80.3	99	57-137	
1,2-Dichlorobenzene	ug/m3	62.4	75.6	121	65-140	
1,2-Dichloroethane	ug/m3	44.9	50.8	113	54-125	
1,2-Dichloropropane	ug/m3	50.8	61.7	121	60-125	
1,3,5-Trimethylbenzene	ug/m3	49.5	62.4	126	54-139	
1,3-Butadiene	ug/m3	22.7	22.5	99	54-125	
1,3-Dichlorobenzene	ug/m3	64.2	76.2	119	62-140	
1,4-Dichlorobenzene	ug/m3	63	75.1	119	61-139	
2-Butanone (MEK)	ug/m3	30.9	34.4	111	47-138	
2-Hexanone	ug/m3	42.1	40.2	96	40-143	
4-Ethyltoluene	ug/m3	50	57.8	116	57-139	
4-Methyl-2-pentanone (MIBK)	ug/m3	42.5	49.5	117	54-132	
Acetone	ug/m3	24.2	20.0	83	44-147	
Benzene	ug/m3	32.8	34.6	105	60-125	
Bromodichloromethane	ug/m3	68.1	86.4	127	53-130	
Bromoform	ug/m3	107	102	95	55-125	
Bromomethane	ug/m3	39.9	41.4	104	53-132	
Carbon disulfide	ug/m3	32.6	42.8	131	57-150	
Carbon tetrachloride	ug/m3	64.6	63.5	98	53-125	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 06004 Frmr Colony Dry Cleaner

Pace Project No.: 1096712

LABORATORY CONTROL SAMPLE: 633679

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chlorobenzene	ug/m3	46.4	56.9	123	50-136	
Chloroethane	ug/m3	26.6	28.6	108	55-130	
Chloroform	ug/m3	48.5	58.0	120	56-125	
Chloromethane	ug/m3	21	20.9	100	49-127	
cis-1,2-Dichloroethene	ug/m3	41.5	45.3	109	58-127	
cis-1,3-Dichloropropene	ug/m3	48.5	57.6	119	62-135	
Cyclohexane	ug/m3	35.7	41.7	117	56-135	
Dibromochloromethane	ug/m3	91	84.7	93	48-132	
Dichlorodifluoromethane	ug/m3	49.3	50.6	103	54-130	
Dichlorotetrafluoroethane	ug/m3	71.1	65.4	92	50-125	
Ethyl acetate	ug/m3	37.4	52.3	140	70-141	
Ethylbenzene	ug/m3	48.6	58.9	121	57-135	
Hexachloro-1,3-butadiene	ug/m3	106	89.7	84	30-150	
m&p-Xylene	ug/m3	92.7	111	120	61-135	
Methyl-tert-butyl ether	ug/m3	36.7	41.8	114	56-130	
Methylene Chloride	ug/m3	34.6	28.0	81	49-127	
n-Heptane	ug/m3	42.9	41.0	96	57-133	
n-Hexane	ug/m3	39.1	30.5	78	55-135	
o-Xylene	ug/m3	45.5	57.3	126	60-134	
Propylene	ug/m3	18.6	17.7	95	63-147	
Styrene	ug/m3	43.3	56.6	131	58-142	
Tetrachloroethene	ug/m3	71.7	73.9	103	61-132	
Tetrahydrofuran	ug/m3	22.5	15.7	70	67-134	
Toluene	ug/m3	39.9	35.2	88	56-132	
trans-1,2-Dichloroethene	ug/m3	41.9	44.0	105	52-131	
trans-1,3-Dichloropropene	ug/m3	48.9	48.3	99	62-131	
Trichloroethene	ug/m3	55.2	73.1	132	68-150	
Trichlorofluoromethane	ug/m3	56	61.6	110	52-142	
Vinyl acetate	ug/m3	36.9	38.9	105	53-136	
Vinyl chloride	ug/m3	26.8	27.5	103	57-132	

QUALIFIERS

Project: 06004 Frmr Colony Dry Cleaner
Pace Project No.: 1096712

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

Pace Analytical is NELAP accredited. Contact your Pace PM for the current list of accredited analytes.

U - Indicates the compound was analyzed for, but not detected.

LABORATORIES

PASI-M Pace Analytical Services - Minneapolis

SAMPLE QUALIFIERS

Sample: 1096712004

- [1] The internal standard recoveries associated with this sample exceed the lower control limit. The reported results should be considered estimated values.
- [2] Results confirmed by second analysis.

ANALYTE QUALIFIERS

- 1M The internal standard recovery associated with this result exceeds the lower control limit. Results confirmed by the original analysis.
- A3 The sample was analyzed by serial dilution.
- E Analyte concentration exceeded the calibration range. The reported result is estimated.



AIR Sample Condition Upon Receipt

Client Name: UNITED ENGINEERING Project # 1096712

Courier: Fed Ex UPS USPS Client Commercial Pace Other _____

Custody Seal on Cooler/Box Present: yes no Seals intact: yes no

Packing Material: Bubble Wrap Bubble Bags None Other _____

Options:
Photo Date
Photo Name

Tracking #: 0419929 10153471

Comments:

Date and Initials of person examining contents: 6-8-09 JL

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Media: <u>AIR (CAN)</u>		11.
Sample Labels match COC: <u>NO</u>	<input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	12. <u>No I.D.'S on Samples Used CANISTER #'S</u>
Samples Received: <u>4 CANS, 4 FLC'S</u>		

Canisters		Flow Controllers		Stand Alone G		Tedar Bags	
Sample Number	Can ID	Sample Number	Can ID	Sample Number	Can ID	Sample Number	Can ID
1	1203						
2	0594						
3	0619						
4	1278						

Client Notification/ Resolution: _____ Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: Rev 6/8/09 JL Date: 6/8/09

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers)
A106 Rev.01 (22May2009)