

Nettesheim, Denise G - DNR

From: Ken Ebbott <kebbott@fehr-graham.com>
Sent: Monday, March 23, 2015 4:21 PM
To: dedrewssr@sbcglobal.net; Nettesheim, Denise G - DNR
Cc: Megan Hansen
Subject: Olde Tyme Cleaners Subslab and Indoor Air Vapor Results
Attachments: Fig 3 - Vapor Chem.pdf; Table A.5 Vapor Analytical Indoor Olde Tyme Cleaners.pdf; Tbl 1 - subslab Vapor Analytical - Strip Mall.pdf; Tbl A.5.1 - subslab Vapor Analytical - Drycleaner Site.pdf; 10299071_frc.pdf

Dennis and Denise,

Attached are the vapor chemistry results from the Olde Tyme Cleaners and the adjacent Strip Mall site.

The results have been tabulated by location and sample type for convenience in comparison to the relevant standards. The sample locations and results have been mapped and plotted, all on one drawing. This is a little confusing, as there are both subslab and indoor air samples on one plot, as well as residential and non-residential samples, so there are different standards that should be used for comparison.

Please use the map for locations, and the tables for comparison to standards - less confusing that way.

Results and Comparison to Standards

The results show the following:

Table 1: Strip Mall Subslab - no results above standards for subslab vapors.

Table A.5 Indoor Air Dry Cleaner - retail first floor space and outside ambient are both present at acceptable levels (non-residential). Indoor seamstress location is just barely below the standard at 179 ug/cubic meter versus the standard of 180 for PCE.

Indoor air upstairs apartment is above the Residential standard - but it dropped from 379 ug/cubic meter in 2013 to 65 now. The dryclean machine is still present in the building, but it hadn't been emptied when the 2013 testing took place, and this may be responsible for the observed higher levels of PCE in the indoor air. If the machine were removed, the levels of PCE in the indoor air may decline further.

Table A.5.1 Subslab air below the building is above the subslab standard for the relevant standard, which I believe should be the non-residential standard, as the air in the subslab would leach to the rented business space, not the second story apartment. Those test results were previously known from 2013, and have been provided before - no new data for the subslab vapors at the Drycleaner building.

Recommendations

Based on the results, the following recommendations are made by Fehr Graham. Upon review of the information, the DNR and Department of Health may have other recommendations that are not mentioned below:

- 1) The information from the neighboring strip mall should be sent to the property owner for his records. Due to the low observed concentrations, no further action appears necessary at this time at the neighboring building.
- 2) The information from the Olde Tyme Cleaners building indoor air space on the first floor (Rental space occupied by the seamstress) should be summarized and sent to the tenant (Ms. Victoria Wegmann) with an explanation of the findings. At this time, no further action appears necessary related to the indoor air at the first floor of the building.
- 3) The tenant of the upstairs apartment (Mr. Ken Sellenheim) is aware of the presence of PCE in the air of the apartment. The occupant is related to the owner of the building, and has historically not been concerned

about the presence of PCE in the indoor air. A letter should be sent to both Mr. Drews and Mr. Sellenheim, presenting the findings.

- 4) The soil and groundwater investigation is nearing completion at the Olde Tyme cleaners site, with completion of the site investigation report anticipated in the next several months. Once completed, bids for potential remedial actions will need to be obtained, and a consultant hired to implement the work. It is expected the remedial action will include installation of a subslab vapor mitigation system beneath the drycleaning building.

It is likely Mr. Drews will also need to wait for reimbursement of the final Site Investigation DERF claim to have funds for initiation of the selected remedial approach. DERF reimbursement may take 18 months or longer upon claim submittal, so any selected remedial action will not likely be initiated in the near future.

I trust this information meets your needs.

Let me know if you need a hard copy of this information for the file - I can print out the attached lab report, tables, figure, and this text and send it to you as a hard copy if needed.

I look forward to hearing from you.

Sincerely,

KENDRICK EBBOTT | P.G. Branch Manager
Fehr Graham - Engineering & Environmental

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Table A.5

Vapor Analytical Table: Indoor Air Residential and Non-Residential
 Olde Tyme Cleaners
 925 Horicon St., Mayville, WI
 BRRTS #02-14-551994

Sample ID		C-Carcinogen N-Non Carcinogen	WDNR / WDHFS Residential Indoor Air	IA-1	IA-2	OA-1	OA-2		
Sample Date				1/25/13	3/9/15	1/24/13	3/9/15		
Sample Location				Upstairs Apt	Upstairs Apt	Next to Garage	Behind Garage		
Type of Sample				Indoor	Indoor	Ambient - outdoor	Ambient - outdoor		
Collection Method				6 L Summa	6 L Summa	6 L Summa	6 L Summa		
Time Period of Collection				24 hour	24 hour	30 min	24 hour		
Analytical Method				NIOSH TO-15	NIOSH TO-15	NIOSH TO-15	NIOSH TO-15		
Method/Result Leak Detection				Shut-in; pass	Shut-in; pass	Shut-in; pass	Shut-in; pass		
PID Readings (ppm)				0.0	0.0	0.0	0.0		
Notes				(1)	(1)				
PCE	µg/m ³			N	42	379	65.1	<0.87	<0.25
TCE	µg/m ³			C	2.1	<0.76	<0.30	<0.69	<0.24
cis-1,2 Dichloroethene	µg/m ³				NS	<1.1	<0.33	<1.0	<0.26
trans-1,2 Dichloroethene	µg/m ³	N	NS	<1.1	<0.28	<1.0	<0.22		
Vinyl Chloride	µg/m ³	C	1.7	<0.36	<0.16	<0.33	<0.12		

Sample ID		C-Carcinogen N-Non Carcinogen	WDNR / WDHFS Non-Residential Indoor Air	IA-3		
Sample Date				3/9/15		
Sample Location				Seamstress Shop		
Type of Sample				Indoor		
Collection Method				6 L Summa		
Time Period of Collection				24 hour		
Analytical Method				NIOSH TO-15		
Method/Result Leak Detection				Shut-in; pass		
PID Readings (ppm)				0.0		
Notes				(2)		
PCE	µg/m ³			N	180	179
TCE	µg/m ³			C	8.8	<0.26
cis-1,2 Dichloroethene	µg/m ³				NS	<0.28
trans-1,2 Dichloroethene	µg/m ³	N	NS	<0.23		
Vinyl Chloride	µg/m ³	C	28	<0.13		

Notes:

N = Noncarcinogen; C = Carcinogen

(1) = Results Exceed Residential Standards

(2) = Results Below Non-Residential Standards

ITALICS+ : Exceeds Subslab Vapor Standard**BOLD** Exceeds Indoor Air Standard

NA=Not Analyzed

NS : No Standards

Standards from DNR Quick look-Up Table based on November 2014 EPA Screening Levels

Table 1

Vapor Analytical Table - Subslab Vapors, East End of Neighboring Strip Mall, West of Drycleaner Property

Olde Tyme Cleaners
 925 Horicon St., Mayville, WI
 BRRTS #02-14-551994

Sample ID		C-Carcinogen N-Non Carcinogen	WDNR / WDHFS Non-Residential Subslab	WDNR / WDHFS Non-Residential Indoor Air	VP-4	VP-5
Sample Date					3/9/15	3/9/15
Sample Location					Salon - Utility	Strip Mall Hallway
Type of Sample					Sub-Slab	Sub-Slab
Collection Method					6 L Summa	6 L Summa
Time Period of Collection					30 min	30 min
Analytical Method					NIOSH TO-15	NIOSH TO-15
Method/Result Leak Detection					Shut-in / water dam; pass	Shut-in / water dam; pass
Notes						
PCE	µg/m ³				N	1800
TCE	µg/m ³	C	88	8.8	0.98	1.2
cis-1,2 Dichloroethene	µg/m ³		NS	NS	<0.32	<0.32
trans-1,2 Dichloroethene	µg/m ³	N	NS	NS	<0.26	<0.26
Vinyl Chloride	µg/m ³	C	280	28	<0.15	<0.15

Notes:

No Results Exceed Standards

N = Noncarcinogen; C = Carcinogen

ITALICS+ : Exceeds Subslab Vapor Standard

BOLD Exceeds Indoor Air Standard

NA=Not Analyzed

NS : No Standards

Standards from DNR Quick look-Up Table based on Nov 2014 EPA Screening Levels

Table A.5.1
Subslab Vapor Analytical Table: Drycleaning Facility

Olde Tyme Cleaners
 925 Horicon St., Mayville, WI
 BRRTS #02-14-551994

Sample ID		C-Carcinogen N-Non Carcinogen	WDNR / WDHFS Non-Residential Subslab	WDNR / WDHFS Non-Residential Indoor Air	VP-1	VP-2	VP-3
Sample Date					1/25/13	1/25/13	1/25/13
Sample Location					SE Entryway-Laundry	Laundry Area	DCM
Type of Sample					Sub-Slab	Sub-Slab	Sub-Slab
Collection Method					6 L Summa	6 L Summa	6 L Summa
Time Period of Collection					30 min	30 min	30 min
Analytical Method					NIOSH TO-15	NIOSH TO-15	NIOSH TO-15
Method/Result Leak Detection					Shut-in / water dam; pass	Shut-in / water dam; pass	Shut-in / water dam; pass
PID Readings (ppm)					11.1	0.0	310
Notes					(2)		(2)
PCE	µg/m ³	N	1800	180	9,950+	45.3	2,920,000+
TCE	µg/m ³	C	88	8.8	0.91	<0.74	<4,200
cis-1,2 Dichloroethene	µg/m ³		NS	NS	<1.1	<1.1	<6,180
trans-1,2 Dichloroethene	µg/m ³	N	NS	NS	<1.1	<1.1	<6,180
Vinyl Chloride	µg/m ³	C	280	28	<0.35	<0.35	<1,980

Notes:

N = Noncarcinogen; C = Carcinogen

(2) = Results exceed Non-Residential Subslab Standards

ITALICS+ : Exceeds Subslab Vapor Standard

NA=Not Analyzed

NS : No Standards

Standards from DNR Quick look-Up Table based on November 2014 EPA Screening Levels

March 19, 2015

Mr. Ken Ebbott
Fehr Graham
1237 Pilgrim Road
Plymouth, WI 53073

RE: Project: 14-1133 Olde Tyme Cleaners
Pace Project No.: 10299071

Dear Mr. Ebbott:

Enclosed are the analytical results for sample(s) received by the laboratory on March 11, 2015. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,

Carolynne Trout

Carolynne Trout
carolynne.trout@pacelabs.com
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 14-1133 Olde Tyme Cleaners
Pace Project No.: 10299071

Minnesota Certification IDs

1700 Elm Street SE Suite 200, Minneapolis, MN 55414
A2LA Certification #: 2926.01
Alaska Certification #: UST-078
Alaska Certification #MN00064
Alabama Certification #40770
Arizona Certification #: AZ-0014
Arkansas Certification #: 88-0680
California Certification #: 01155CA
Colorado Certification #Pace
Connecticut Certification #: PH-0256
EPA Region 8 Certification #: 8TMS-L
Florida/NELAP Certification #: E87605
Guam Certification #: 14-008r
Georgia Certification #: 959
Georgia EPD #: Pace
Idaho Certification #: MN00064
Hawaii Certification #MN00064
Illinois Certification #: 200011
Indiana Certification#C-MN-01
Iowa Certification #: 368
Kansas Certification #: E-10167
Kentucky Dept of Envi. Protection - DW #90062
Kentucky Dept of Envi. Protection - WW #:90062
Louisiana DEQ Certification #: 3086
Louisiana DHH #: LA140001
Maine Certification #: 2013011
Maryland Certification #: 322
Michigan DEPH Certification #: 9909

Minnesota Certification #: 027-053-137
Mississippi Certification #: Pace
Montana Certification #: MT0092
Nevada Certification #: MN_00064
Nebraska Certification #: Pace
New Jersey Certification #: MN-002
New York Certification #: 11647
North Carolina Certification #: 530
North Carolina State Public Health #: 27700
North Dakota Certification #: R-036
Ohio EPA #: 4150
Ohio VAP Certification #: CL101
Oklahoma Certification #: 9507
Oregon Certification #: MN200001
Oregon Certification #: MN300001
Pennsylvania Certification #: 68-00563
Puerto Rico Certification
Saipan (CNMI) #:MP0003
South Carolina #:74003001
Texas Certification #: T104704192
Tennessee Certification #: 02818
Utah Certification #: MN000642013-4
Virginia DGS Certification #: 251
Virginia/VELAP Certification #: Pace
Washington Certification #: C486
West Virginia Certification #: 382
West Virginia DHHR #:9952C
Wisconsin Certification #: 999407970

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SAMPLE SUMMARY

Project: 14-1133 Olde Tyme Cleaners
Pace Project No.: 10299071

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10299071001	IA-2	Air	03/09/15 12:30	03/11/15 09:45
10299071002	IA-3	Air	03/09/15 12:31	03/11/15 09:45
10299071003	OA-2	Air	03/09/15 12:35	03/11/15 09:45
10299071004	VP-4	Air	03/09/15 14:10	03/11/15 09:45
10299071005	VP-5	Air	03/09/15 14:50	03/11/15 09:45

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SAMPLE ANALYTE COUNT

Project: 14-1133 Olde Tyme Cleaners
Pace Project No.: 10299071

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
10299071001	IA-2	TO-15	MJL	5	PASI-M
10299071002	IA-3	TO-15	MJL	5	PASI-M
10299071003	OA-2	TO-15	MJL	5	PASI-M
10299071004	VP-4	TO-15	MJL	5	PASI-M
10299071005	VP-5	TO-15	MJL	5	PASI-M

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ANALYTICAL RESULTS

Project: 14-1133 Olde Tyme Cleaners
Pace Project No.: 10299071

Sample: IA-2 **Lab ID: 10299071001** Collected: 03/09/15 12:30 Received: 03/11/15 09:45 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15							
cis-1,2-Dichloroethene	<0.33	ug/m3	3.4	0.33	1.69		03/17/15 23:43	156-59-2	
trans-1,2-Dichloroethene	<0.28	ug/m3	1.4	0.28	1.69		03/17/15 23:43	156-60-5	
Tetrachloroethene	65.1	ug/m3	1.2	0.32	1.69		03/17/15 23:43	127-18-4	
Trichloroethene	<0.30	ug/m3	0.92	0.30	1.69		03/17/15 23:43	79-01-6	
Vinyl chloride	<0.16	ug/m3	0.44	0.16	1.69		03/17/15 23:43	75-01-4	

Sample: IA-3 **Lab ID: 10299071002** Collected: 03/09/15 12:31 Received: 03/11/15 09:45 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15							
cis-1,2-Dichloroethene	<0.28	ug/m3	2.9	0.28	1.44		03/18/15 01:49	156-59-2	
trans-1,2-Dichloroethene	<0.23	ug/m3	1.2	0.23	1.44		03/18/15 01:49	156-60-5	
Tetrachloroethene	179	ug/m3	0.99	0.27	1.44		03/18/15 01:49	127-18-4	
Trichloroethene	<0.26	ug/m3	0.79	0.26	1.44		03/18/15 01:49	79-01-6	
Vinyl chloride	<0.13	ug/m3	0.37	0.13	1.44		03/18/15 01:49	75-01-4	

Sample: OA-2 **Lab ID: 10299071003** Collected: 03/09/15 12:35 Received: 03/11/15 09:45 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15							
cis-1,2-Dichloroethene	<0.26	ug/m3	2.7	0.26	1.34		03/18/15 00:46	156-59-2	
trans-1,2-Dichloroethene	<0.22	ug/m3	1.1	0.22	1.34		03/18/15 00:46	156-60-5	
Tetrachloroethene	<0.25	ug/m3	0.92	0.25	1.34		03/18/15 00:46	127-18-4	
Trichloroethene	<0.24	ug/m3	0.73	0.24	1.34		03/18/15 00:46	79-01-6	
Vinyl chloride	<0.12	ug/m3	0.35	0.12	1.34		03/18/15 00:46	75-01-4	

Sample: VP-4 **Lab ID: 10299071004** Collected: 03/09/15 14:10 Received: 03/11/15 09:45 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15							
cis-1,2-Dichloroethene	<0.32	ug/m3	3.2	0.32	1.61		03/18/15 01:17	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/m3	1.3	0.26	1.61		03/18/15 01:17	156-60-5	
Tetrachloroethene	52.6	ug/m3	1.1	0.30	1.61		03/18/15 01:17	127-18-4	
Trichloroethene	0.98	ug/m3	0.88	0.29	1.61		03/18/15 01:17	79-01-6	
Vinyl chloride	<0.15	ug/m3	0.42	0.15	1.61		03/18/15 01:17	75-01-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 14-1133 Olde Tyme Cleaners
Pace Project No.: 10299071

Sample: VP-5 Lab ID: 10299071005 Collected: 03/09/15 14:50 Received: 03/11/15 09:45 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15							
cis-1,2-Dichloroethene	<0.32	ug/m3	3.2	0.32	1.61		03/18/15 02:19	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/m3	1.3	0.26	1.61		03/18/15 02:19	156-60-5	
Tetrachloroethene	83.8	ug/m3	1.1	0.30	1.61		03/18/15 02:19	127-18-4	
Trichloroethene	1.2	ug/m3	0.88	0.29	1.61		03/18/15 02:19	79-01-6	
Vinyl chloride	<0.15	ug/m3	0.42	0.15	1.61		03/18/15 02:19	75-01-4	

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QUALITY CONTROL DATA

Project: 14-1133 Olde Tyme Cleaners
Pace Project No.: 10299071

QC Batch: AIR/22753 Analysis Method: TO-15
QC Batch Method: TO-15 Analysis Description: TO15 MSV AIR Low Level
Associated Lab Samples: 10299071001, 10299071002, 10299071003, 10299071004, 10299071005

METHOD BLANK: 1920071 Matrix: Air
Associated Lab Samples: 10299071001, 10299071002, 10299071003, 10299071004, 10299071005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,2-Dichloroethene	ug/m3	<0.20	2.0	03/17/15 16:59	
Tetrachloroethene	ug/m3	<0.19	0.69	03/17/15 16:59	
trans-1,2-Dichloroethene	ug/m3	<0.16	0.81	03/17/15 16:59	
Trichloroethene	ug/m3	<0.18	0.55	03/17/15 16:59	
Vinyl chloride	ug/m3	<0.093	0.26	03/17/15 16:59	

LABORATORY CONTROL SAMPLE: 1920072

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
cis-1,2-Dichloroethene	ug/m3	40.3	43.1	107	64-137	
Tetrachloroethene	ug/m3	69	61.9	90	66-137	
trans-1,2-Dichloroethene	ug/m3	40.3	40.9	101	61-140	
Trichloroethene	ug/m3	54.6	54.0	99	70-134	
Vinyl chloride	ug/m3	26	26.2	101	72-129	

SAMPLE DUPLICATE: 1920423

Parameter	Units	10298839001 Result	Dup Result	RPD	Max RPD	Qualifiers
cis-1,2-Dichloroethene	ug/m3	ND	<84.0		25	
Tetrachloroethene	ug/m3	ND	<80.6		25	
trans-1,2-Dichloroethene	ug/m3	ND	<69.9		25	
Trichloroethene	ug/m3	ND	<76.3		25	
Vinyl chloride	ug/m3	ND	<39.9		25	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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QUALIFIERS

Project: 14-1133 Olde Tyme Cleaners
Pace Project No.: 10299071

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor and percent moisture.

LOQ - Limit of Quantitation adjusted for dilution factor and percent moisture.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

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.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

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

TNI - The NELAC Institute.

LABORATORIES

PASI-M Pace Analytical Services - Minneapolis

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 14-1133 Olde Tyme Cleaners
Pace Project No.: 10299071

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10299071001	IA-2	TO-15	AIR/22753		
10299071002	IA-3	TO-15	AIR/22753		
10299071003	OA-2	TO-15	AIR/22753		
10299071004	VP-4	TO-15	AIR/22753		
10299071005	VP-5	TO-15	AIR/22753		

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102440+1



AIR: CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Required Client Information: Company: <u>FEAR-GRAHAM</u> Address: <u>1237 PILGRIM RD</u> <u>DURNOUTH, WI 53073</u> Email To: <u>kebbott@fear-graham.com</u> Phone: <u>920-992-2444</u> Requested Due Date/TAT: <u>5 DAY</u> <u>ON</u> <u>3 OF 5</u>	Section B Required Project Information: Report To: <u>Ken Ebbott</u> Copy To: <u>MEGAN HANSEN</u> Purchase Order No.: Project Name: <u>Olde Tyme Cleaners</u> Project Number: <u>14-1133</u>	Section C Invoice Information: Attention: <u>Dennis Drews</u> Company Name: <u>Olde Tyme Cleaners</u> Address: <u>925 HORIZON ST., MAYVILLE, WI 53050</u> Pace Quote Reference: <u>DERF</u> Pace Project Manager/Sales Rep. Pace Profile #:	14278 Page: 1 of 1 Program: <u>DERF</u> UST <input type="checkbox"/> Superfund <input type="checkbox"/> Emissions <input type="checkbox"/> Clean Air Act Voluntary Clean Up <input checked="" type="checkbox"/> Dry Clean <input type="checkbox"/> RCRA <input type="checkbox"/> Other <input type="checkbox"/> Location of Sampling by State: <u>WI</u> Reporting Units: <u>ug/m³</u> mg/m ³ PPBV <input type="checkbox"/> PPMV <input type="checkbox"/> Other: <input type="checkbox"/> Report Level: II <input type="checkbox"/> III <input type="checkbox"/> IV <input type="checkbox"/> Other <input type="checkbox"/>
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ITEM #	Section D Required Client Information AIR SAMPLE ID Sample IDs MUST BE UNIQUE	Valid Media Codes MEDIA CODE Tedlar Bag TB 1 Liter Summa Can 1LC 6 Liter Summa Can 6LC Low Volume Puff LVP High Volume Puff HVP Other PM10	MEDIA CODE	PID Reading (Client only)	COLLECTED				Canister Pressure (Initial Field - psig)	Canister Pressure (Final Field - psig)	Summa Can Number	Flow Control Number	Method:								Pace Lab ID	
					COMPOSITE START		COMPOSITE -						PM10	3C-Fixed Gas (%)	TO-3	TO-3M (Methane)	TO-4 (PCBs)	TO-13 (PAH)	TO-14	TO-15		TO-15 Short List*
					DATE	TIME	DATE	TIME														
1	IA-2	6LC	0	3/8/15	1225	3/9/15	1230	-20	0	0947	0607								X	001		
2	IA-3	6LC	0	3/8/15	1220	3/9/15	1231	-30	-3	2328	0094								X	002		
3	OA-2	6LC	0	3/8/15	1232	3/9/15	1235	-29	0	2187	328								X	003		
4	VP-4	6LC	0	3/8/15	1338	3/8/15	1410	-30	-5	1672									X	004		
5	VP-5	6LC	0	3/8/15	1420	3/8/15	1450	-30	-6	1700	0932								X	005		
6																						
7																						
8																						
9																						
10																						
11																						
12																						

Comments:	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS		
PCE TCE VC cis-1,2 DCE trans-1,2 DCE 5 DAY TURN ON IA-2 IA-3 OA-2 REGULAR NEW ON VP-4 VP-5 ORIGINAL	<u>Megan Hansen</u>	<u>3/8/15</u>		<u>T. Blum/Vincent</u>	<u>3/10/15</u>	<u>1155</u>	Y/N	Y/N	Y/N
				<u>James Pace</u>	<u>3/11/15</u>	<u>0945</u>	Y/N	Y/N	Y/N
							Y/N	Y/N	Y/N

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice	Custody Sealed Cooler	Samples Intact
PRINT Name of SAMPLER: <u>MEGAN HANSEN</u>	SIGNATURE OF SAMPLER: <u>Megan Hansen</u>				
DATE Signed (MM/DD/YY) <u>6/3/09/15</u>					



Document Name:
Air Sample Condition Upon Receipt
Document No.:
F-MN-A-106-rev.09

Document Revised: 26Dec2013
Page 1 of 1
Issuing Authority:
Pace Minnesota Quality Office

Air Sample Condition
Upon Receipt

Client Name:

Fehr - Graham

Project #:

WO#: 10299071



Courier: Fed Ex UPS USPS Client
 Commercial Pace Other: Walter

Tracking Number: _____

Custody Seal on Cooler/Box Present? Yes No Seals Intact? Yes No

Optional: Proj. Due Date: _____ Proj. Name: _____

Packing Material: Bubble Wrap Bubble Bags Foam None Other: _____ Temp Blank rec: Yes No

Temp. (TO17 and TO13 samples only) (°C): _____ Corrected Temp (°C): _____ Thermom. Used: B88A912167504 72337080
 B88A9132521491 80512447
Temp should be above freezing to 6°C Correction Factor: _____ Date & Initials of Person Examining Contents: 3/11/15

Type of ice Received Blue Wet None

Comments:

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 and/or 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 (<72 hr)?	<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>pic can</u>		11.
Sample Labels Match COC?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.

Samples Received:

Canisters		Flow Controllers		Stand Alone G	
Sample Number	Can ID	Sample Number	Can ID	Sample Number	Can ID
JA-2	0947		0607		
IA-3	2328		0094		
GA-2	2187		0328		
VP-4	1672		1107		
VP-5	1700		0932		

CLIENT NOTIFICATION/RESOLUTION

Field Data Required? Yes No

Person Contacted: _____ Date/Time: _____

Comments/Resolution: _____

Project Manager Review: C. M. W.

Date: 3/12/15

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)