

adjacent building VI results
5/30/2014

TABLE 1
SUB-SLAB VAPOR AND AIR ANALYTICAL RESULTS SUMMARY
ADJACENT RESIDENTIAL/COMMERCIAL PROPERTY TO FORMER QUALITY CLEANERS, GRAFTON, WI

Sample ID	Sample Location	Sample Type	Date Collected	Relevant VOCs ($\mu\text{g}/\text{m}^3$)				
				PCE	TCE	Cis-1,2 DCE	Trans-1,2 DCE	Vinyl Chloride
Residential Sub-Slab Vapor Risk Screening Level (VRSL) -- $\mu\text{g}/\text{m}^3$				420	21	---	630	16
Residential Indoor Air Vapor Action Level (VAL) -- $\mu\text{g}/\text{m}^3$				42	2.1	---	63	1.6
SSV-3	1224 11th Avenue	Sub-slab	4/9/2014	375	ND	ND	ND	ND
IA-3		Indoor air		3.4	ND	ND	ND	ND
OA-2	Parking lot, east of building along east property boundary (upwind)	Outdoor air		1	ND	ND	ND	ND

Key:

- = No screening level established
- ND = Not detected above laboratory detection limits
- $\mu\text{g}/\text{m}^3$ = Micrograms per cubic meter
- PCE = Tetrachloroethene
- TCE = Trichloroethene
- Cis-1,2 DCE = Cis-1,2 Dichloroethene
- Trans-1,2 DCE = Trans-1,2 Dichloroethene
- 138 = Vapor Risk Screening Level (VRSL) exceeded

Notes:

- 1.) Sub-slab samples collected using Vapor Pin.
- 2.) The Vapor Risk Screening Level (VRSL) was calculated by multiplying the VAL by a dilution factor of 10 for residential buildings, in accordance with WDNR guidance.

**TABLE 1
SUB-SLAB VAPOR AND AIR ANALYTICAL RESULTS SUMMARY
FORMER QUALITY CLEANERS, 1228 11th AVENUE, GRAFTON, WI**

Sample ID	Sample Location	Sample Type	Date Collected	Relevant VOCs ($\mu\text{g}/\text{m}^3$)				
				PCE	TCE	Cis-1,2 DCE	Trans-1,2 DCE	Vinyl Chloride
Non-Residential Sub-Slab Vapor Risk Screening Level (VRSL) -- $\mu\text{g}/\text{m}^3$				1,800	88	---	2,600	280
Non-Residential Indoor Air Vapor Action Level (VAL) -- $\mu\text{g}/\text{m}^3$				180	8.8	---	260	28
SSV-1	Hallway entrance to two tenant spaces, occupied by Hair Vision and private hair stylist.	Sub-slab	1/16/2014	246,000	3.3	ND	ND	ND
IA-1		Indoor air	1/16/2014	882	ND	ND	ND	ND
SSV-2	Near the location of the former dry cleaning machine (vicinity of Boring B1)	Sub-slab	1/16/2014	7,000,000	ND	ND	ND	ND
IA-2		Indoor air	1/16/2014	865	ND	ND	ND	ND
OA-1	Southwest of Site building, across 11th Street (upwind)	Outdoor air	1/16/2014	1.5	ND	ND	ND	ND

Key:

--- = No screening level established
 ND = Not detected above laboratory detection limits
 $\mu\text{g}/\text{m}^3$ = Micrograms per cubic meter
 PCE = Tetrachloroethene
 TCE = Trichloroethene
 Cis-1,2 DCE = Cis-1,2 Dichloroethene
 Trans-1,2 DCE = Trans-1,2 Dichloroethene

138 = Vapor Risk Screening Level (VRSL) exceeded

14.5 = Vapor Action Level (VAL) exceeded

Notes:

- 1.) Sub-slab samples collected using Vapor Pin.
- 2.) The Vapor Risk Screening Level (VRSL) was calculated by multiplying the VAL by a dilution factor of 10 for small commercial buildings, in accordance with WDNR guidance.

IA/SSV 3

Figure 1: Vapor Intrusion Sample Locations, Former Quality Cleaners, Grafton, WI

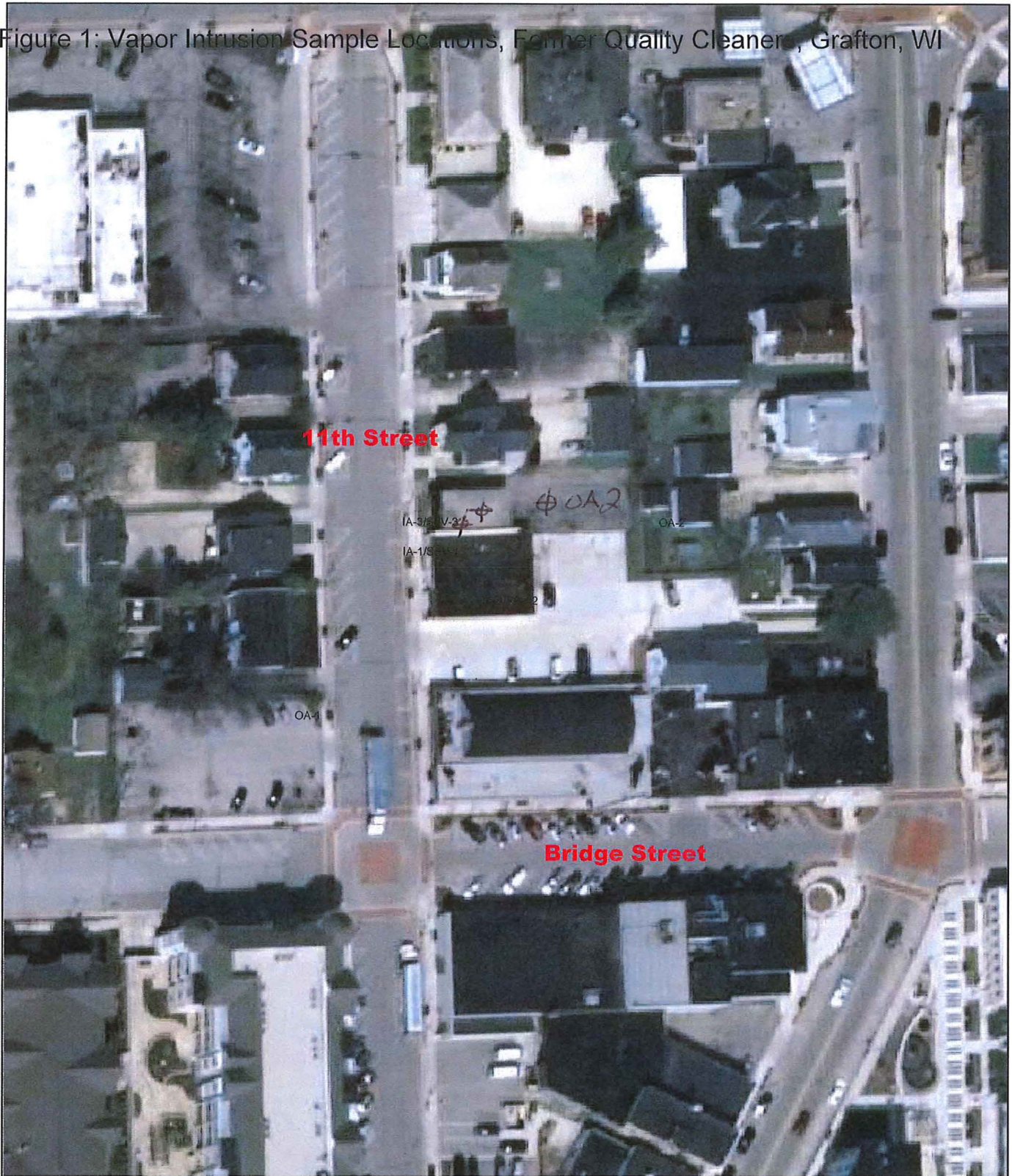


Figure 1: Vapor Intrusion Sample Locations

SSV-1 = Sub-Slab Sample

IA-1 = Indoor Air Sample

DISCLAIMER: Ozaukee County does not guarantee the accuracy of the material contained herein. Approximate Property Boundary



Ozaukee County

121 W Main St P.O. Box 994
Port Washington WI 53074
262-284-9411

SCALE: 1" = 81'

Print Date: 2/3/2014



Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

May 27, 2014

Nicole LaPlant
Robert E. Lee & Associates
1250 Centennial Center Blvd.
Hobart, WI 54155

RE: Project: S446-001 Former Quality Cleane
Pace Project No.: 10263141

Dear Nicole LaPlant:

Enclosed are the analytical results for sample(s) received by the laboratory on April 11, 2014. 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: S446-001 Former Quality Cleane
Pace Project No.: 10263141

Minnesota Certification IDs

1700 Elm Street SE Suite 200, Minneapolis, MN 55414
A2LA Certification #: 2926.01
Alabama Certification #40770
Alabama Certification #40770
Alaska Certification #: UST-078
Alaska Certification #MN00064
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 #: Pace
Georgia Certification #: 959
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
Nebraska Certification #: Pace
New Jersey Certification #: MN-002
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
Wisconsin Certification #: 999407970
West Virginia Certification #: 382
West Virginia TO-15 Approval
West Virginia DHHR #:9952C

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SAMPLE SUMMARY

Project: S446-001 Former Quality Cleane
Pace Project No.: 10263141

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10263141001	OA-2	Air	04/09/14 14:20	04/11/14 13:05
10263141002	IA-3	Air	04/09/14 15:10	04/11/14 13:05
10263141003	SSV-3	Air	04/09/14 16:15	04/11/14 13:05

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SAMPLE ANALYTE COUNT

Project: S446-001 Former Quality Cleane
Pace Project No.: 10263141

Lab ID	Sample ID	Method	Analysts	Analytes Reported
10263141001	OA-2	TO-15	DL1	5
10263141002	IA-3	TO-15	DL1	5
10263141003	SSV-3	TO-15	DL1	5

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ANALYTICAL RESULTS

Project: S446-001 Former Quality Cleane
Pace Project No.: 10263141

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Sample: OA-2 Lab ID: 10263141001 Collected: 04/09/14 14:20 Received: 04/11/14 13:05 Matrix: Air								
TO15 MSV AIR Analytical Method: TO-15								
cis-1,2-Dichloroethene	ND	ug/m3	1.2	1.44		04/29/14 21:15	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	1.2	1.44		04/29/14 21:15	156-60-5	
Tetrachloroethene	1.0	ug/m3	0.99	1.44		04/29/14 21:15	127-18-4	
Trichloroethene	ND	ug/m3	0.79	1.44		04/29/14 21:15	79-01-6	
Vinyl chloride	ND	ug/m3	0.37	1.44		04/29/14 21:15	75-01-4	

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Sample: IA-3 Lab ID: 10263141002 Collected: 04/09/14 15:10 Received: 04/11/14 13:05 Matrix: Air								
TO15 MSV AIR Analytical Method: TO-15								
cis-1,2-Dichloroethene	ND	ug/m3	1.2	1.49		04/29/14 21:38	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	1.2	1.49		04/29/14 21:38	156-60-5	
Tetrachloroethene	3.4	ug/m3	1.0	1.49		04/29/14 21:38	127-18-4	
Trichloroethene	ND	ug/m3	0.82	1.49		04/29/14 21:38	79-01-6	
Vinyl chloride	ND	ug/m3	0.39	1.49		04/29/14 21:38	75-01-4	

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Sample: SSV-3 Lab ID: 10263141003 Collected: 04/09/14 16:15 Received: 04/11/14 13:05 Matrix: Air								
TO15 MSV AIR Analytical Method: TO-15								
cis-1,2-Dichloroethene	ND	ug/m3	1.3	1.55		04/29/14 22:00	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	1.3	1.55		04/29/14 22:00	156-60-5	
Tetrachloroethene	375	ug/m3	1.1	1.55		04/29/14 22:00	127-18-4	E
Trichloroethene	ND	ug/m3	0.85	1.55		04/29/14 22:00	79-01-6	
Vinyl chloride	ND	ug/m3	0.40	1.55		04/29/14 22:00	75-01-4	

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QUALITY CONTROL DATA

Project: S446-001 Former Quality Cleane
Pace Project No.: 10263141

QC Batch: AIR/20100 Analysis Method: TO-15
QC Batch Method: TO-15 Analysis Description: TO15 MSV AIR Low Level
Associated Lab Samples: 10263141001, 10263141002, 10263141003

METHOD BLANK: 1667488 Matrix: Air
Associated Lab Samples: 10263141001, 10263141002, 10263141003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,2-Dichloroethene	ug/m3	ND	0.81	04/29/14 10:27	
Tetrachloroethene	ug/m3	ND	0.69	04/29/14 10:27	
trans-1,2-Dichloroethene	ug/m3	ND	0.81	04/29/14 10:27	
Trichloroethene	ug/m3	ND	0.55	04/29/14 10:27	
Vinyl chloride	ug/m3	ND	0.26	04/29/14 10:27	

LABORATORY CONTROL SAMPLE: 1667489

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
cis-1,2-Dichloroethene	ug/m3	40.3	35.1	87	71-135	
Tetrachloroethene	ug/m3	69	57.2	83	69-136	
trans-1,2-Dichloroethene	ug/m3	40.3	34.8	86	70-131	
Trichloroethene	ug/m3	54.6	45.9	84	70-135	
Vinyl chloride	ug/m3	26	25.4	98	69-132	

SAMPLE DUPLICATE: 1667988

Parameter	Units	10263437003 Result	Dup Result	RPD	Max RPD	Qualifiers
cis-1,2-Dichloroethene	ug/m3		ND			
trans-1,2-Dichloroethene	ug/m3		ND			
Trichloroethene	ug/m3	4.3	4.3	.04	25	
Vinyl chloride	ug/m3	ND	ND		25	

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QUALIFIERS

Project: S446-001 Former Quality Cleane
Pace Project No.: 10263141

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.

PRL - Pace Reporting Limit.

RL - Reporting 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.

SG - Silica Gel - Clean-Up

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

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.

ANALYTE QUALIFIERS

E Analyte concentration exceeded the calibration range. The reported result is estimated.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: S446-001 Former Quality Cleanse
Pace Project No.: 10263141

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10263141001	OA-2	TO-15	AIR/20100		
10263141002	IA-3	TO-15	AIR/20100		
10263141003	SSV-3	TO-15	AIR/20100		

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AIR: CHAIN-OF-CUSTODY / Analytical Request Document

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

10L62171

12958

Page: of

Section A
Required Client Information:

Section B
Required Project Information:

Section C
Invoice Information:

Company: Robert E. Lee & Associates, Inc.
 Address: 1250 Centennial Centre Blvd
Hobart, WI 54155
 Email To: rla@leeassoc.com
 Phone: 920-234-9491 Fax:
 Requested Due Date/TAT:

Report To: Nicole LaPlant
 Copy To:
 Purchase Order No.:
 Project Name: Former Quality Clearing
 Project Number: 5446-001

Attention: Nicole LaPlant
 Company Name: Robert E. Lee & Associates, Inc.
 Address: 1250 Centennial Centre Blvd
 Pace Quote Reference:
 Pace Project Manager/Sales Rep: Carolynn Trust
 Pace Profile #:

Program
 UST Superfund Emissions Clean Air Act
 Voluntary Clean Up Dry Clean RCRA Other
 Location of Sampling by State _____
 Reporting Units
 ug/m³ _____ mg/m³ _____
 PPBV _____ PPMV _____
 Other _____
 Report Level: I. _____ II. _____ III. _____ IV. _____ Other _____

ITEM #	AIR SAMPLE ID Sample IDs MUST BE UNIQUE	Valid Media Codes MEDIA CODE Tediator 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 ENCLOSURE		COMPOSITE						PM10	30-Filtered Gas (%)	TO-3	TO-3M (MultiRing)	TO-4 (PCSS)	TO-13 (PAM)	TO-14	TO-15		TO-15 Short List*	
					DATE	TIME	DATE	TIME															
1	OA-2	GC	GC		4-8-14	1426	4-9-14	1420	-27.5	-1.0	2391	X0320									X	001	
2	IA-3	GC	GC		4-8-14	1612	4-9-14	1510	-28	-3.5	2106	X0266										X	002
3	SSV-3	GC	GC		4-9-14	1533	4-9-14	1615	-30	-4	1575	X0951										X	003

Comments:
 TO15 Shortlist Only
 -PCE, TCE, cis-DCE
 trans-DCE, VC

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
<u>Dankhwardt (REL)</u>	4-16-14	1426	<u>Paul Face</u>	4-11-14	1305	Temp in °C	Received on Ice	Custody Sealed Cooler	Samples Intact
						Y/N	Y/N	Y/N	Y/N
						Y/N	Y/N	Y/N	Y/N
						Y/N	Y/N	Y/N	Y/N

SAMPLER NAME AND SIGNATURE
 PRINT Name of SAMPLER: Dankhwardt
 SIGNATURE of SAMPLER: Dankhwardt DATE Signed (MM/DD/YY): 4-9-14

ORIGINAL




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

Document Revised: 2006/2013
Page 1 of 1
Issuing Authority:
Pace Minnesota Quality Office

Air Sample Condition Upon Receipt Client Name: Robert E Lee & Associates Project #: WO# : 10263141

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

Tracking Number: 7449 3859 9055



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

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: 4/14/14

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>air can</u>		11.
Sample Labels Match COC?	<input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	12. <u>coc says OA-2 can tag reads OA-3</u>

Samples Received:

Canisters		Flow Controllers		Stand Alone G	
Sample Number	Can ID	Sample Number	Can ID	Sample Number	Can ID
<u>OA-2</u>	<u>2391</u>		<u>0320</u>		
<u>IA3</u>	<u>2106</u>		<u>0266</u>		
<u>SSU-3</u>	<u>1575</u>		<u>0951</u>		

CLIENT NOTIFICATION/RESOLUTION Field Data Required? Yes No

Person Contacted: _____ Date/Time: _____

Comments/Resolution: _____

Project Manager Review: [Signature] Date: 4/14/14

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)

Sub-Slab Vapor Field Sampling Form

Project Name	5446-001 (Quality Leaks)	Sample Date	4-9-14
Location/Address	1224 11th Ave	Sample ID	SV-3
Project No.	5446-001	Sample Time	1533-
Client/Contact		Canister ID	1575
Data Collection Start Date	4-9-14	End Date	4-9-14

Time hh:mm	Vacuum Reading In. of Hg	Wind Direction	Wind Speed mph	Temperature °F	Barometer inches	Relative Humidity %
1533	-30	S	15	53	29.84	45
1615	-4					

Helium Leak Test		Negative Pressure Test	
Date/Time Performed:	4-9-14	Date/Time Performed:	4-9-14
Background He Concentration (ppm)	10x1	Negative Pressure of at least -15 in. Hg induced on sampling train <input checked="" type="radio"/> Yes <input type="radio"/> No	
Shroud He Concentration (%)	436000 x 1	Did pressure hold? <input checked="" type="radio"/> Yes <input type="radio"/> No	
Sub-Slab Vapor/Soill-Gas He Concentration (post helium insertion)	< 6000 x 1		
Helium Leak Test Passed:	<input checked="" type="radio"/> Yes <input type="radio"/> No		
Notes			

* Location measured in on IA-3
 * Under Carpet

FC0951

Indoor Air Sampling Form

IA-3

Project No.: <u>5446-001</u>	Weather: <u>mostly cloudy</u>
Project Name: <u>Former Quality Cleaners</u>	Air Temperature: <u>55°</u>
Sample Location: <u>1824 11th Avenue</u>	Atmospheric Pressure: _____
Date: <u>4-8-14</u>	
Field Personnel: <u>NLL / Daw</u>	
Recorded by: <u>NLL / Daw</u>	

Sample Location Observations

HVAC System Operating (Y/N)? (Y)

HVAC System type (gas forced air, fuel oil, hydronic, etc.)? electric

Chemical Storage Near Sample Location? No

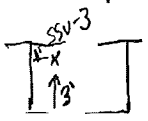
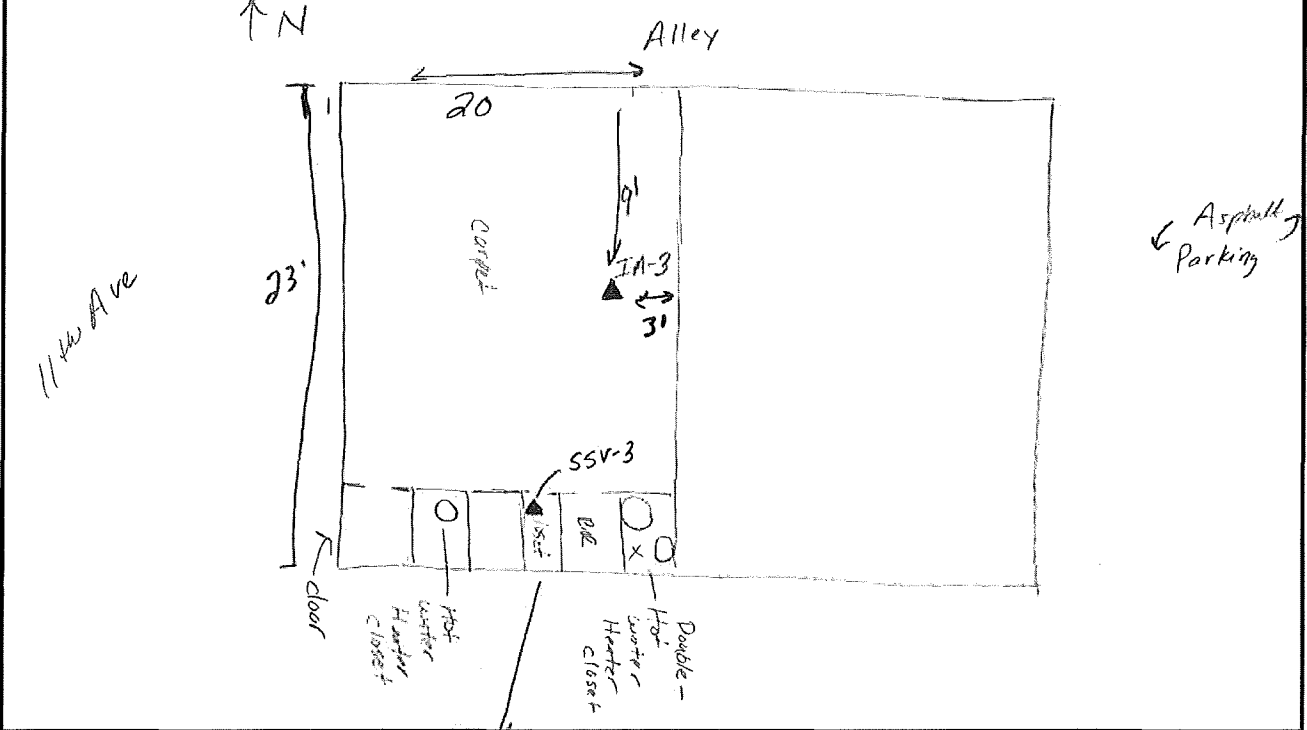
Windows Open? No

Occupants Smoking? unoccupied area

Canister Information

Date	Start Time	End Time	Sample ID No.	Canister ID No.	Flow Controller No.	Vacuum Gauge No.	Initial Vacuum	Final Vacuum
4-8-14	16:12		IA-3	2106	FC0266	-	-28	
4-9-14		15:10						-3.5

Comments:



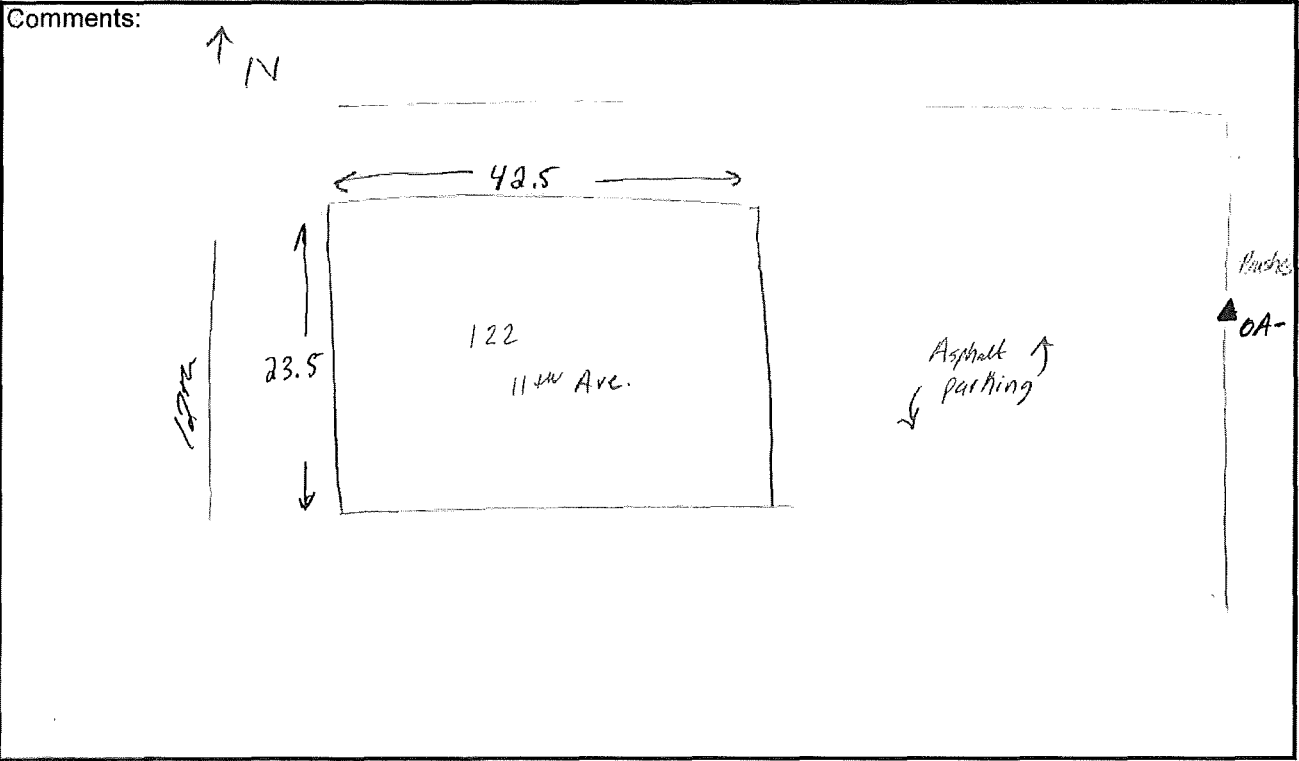
Outdoor Air Sampling Form

OA-2

Project No.: <u>5446-001</u>	Weather: <u>mostly cloudy, drizzle of rain</u>
Project Name: <u>Former Quality Cleaners</u>	Air Temperature: <u>55°</u>
Sample Location: _____	Atmospheric Pressure: _____
Date: <u>4-8-14</u>	Wind Direction: <u>NE</u>
Field Personnel: <u>NLL / Dan</u>	
Recorded by: <u>NLL / Dan</u>	

Description of Sample Location

Canister Information								
Date	Start Time	End Time	Sample ID No.	Canister ID No.	Flow Controller No.	Vacuum Gauge No.	Initial Vacuum	Final Vacuum
<u>4-8-14</u>	<u>16:26</u>		<u>OA-2</u>	<u>2391</u>	<u>FC0320</u>		<u>-27.5</u>	
<u>4-9-14</u>		<u>14:20</u>						<u>-1.0</u>



* Final Vacuum had read -6 until checked w/ ~~best~~ Top layout

**TABLE 1
SUB-SLAB VAPOR AND AIR ANALYTICAL RESULTS SUMMARY
FORMER QUALITY CLEANERS, 1228 11th AVENUE, GRAFTON, WI**

Sample ID	Sample Location	Sample Type	Date Collected	Relevant VOCs ($\mu\text{g}/\text{m}^3$)				
				PCE	TCE	Cis-1,2 DCE	Trans-1,2 DCE	Vinyl Chloride
Non-Residential Sub-Slab Vapor Risk Screening Level (VRSL) -- $\mu\text{g}/\text{m}^3$				18,000	880	---	26,000	2,800
Non-Residential Indoor Air Vapor Action Level (VAL) -- $\mu\text{g}/\text{m}^3$				180	8.8	---	260	28
SSV-1	Hallway entrance to two tenant spaces, occupied by Hair Vision and private hair stylist.	Sub-slab	1/16/2014	246,000	3.3	ND	ND	ND
IA-1		Indoor air	1/16/2014	882	ND	ND	ND	ND
SSV-2	Near the location of the former dry cleaning machine (vicinity of Boring B1)	Sub-slab	1/16/2014	7,000,000	ND	ND	ND	ND
IA-2		Indoor air	1/16/2014	865	ND	ND	ND	ND
OA-1	Southwest of Site building, across 11th Street (upwind)	Outdoor air	1/16/2014	1.5	ND	ND	ND	ND

Key:

--- = No screening level established
 ND = Not detected above laboratory detection limits
 $\mu\text{g}/\text{m}^3$ = Micrograms per cubic meter
 PCE = Tetrachloroethene
 TCE = Trichloroethene
 Cis-1,2 DCE = Cis-1,2 Dichloroethene
 Trans-1,2 DCE = Trans-1,2 Dichloroethene

138 = Vapor Risk Screening Level (VRSL) exceeded

14.5 = Vapor Action Level (VAL) exceeded

Notes:

- 1.) Sub-slab samples collected using Vapor Pin.
- 2.) The Vapor Risk Screening Level (VRSL) was calculated by multiplying the VAL by a dilution factor of 100 for commercial buildings, in accordance with WDNR guidance.