

From: Nicole L. LaPlant <nlaplant@releeinc.com>
Sent: Friday, December 04, 2015 3:33 PM
To: Feeney, John M - DNR
Cc: sjkuehl@sbcglobal.net; Chris Sitzmann; Bruce D. Meissner
Subject: VI Post Mitigation Air Sampling for Quality Cleaners - Grafton BRRTS #02-46560212
Attachments: Figure 1 Vapor Intrusion Sampling Locations.pdf; VI sampling field sheets 103015.pdf; air sampling lab report 120315.pdf; VI analytical results table.pdf

Good Afternoon John,

On October 30, 2015, REL completed post-mitigation indoor (ambient) air sampling within the former Quality Cleaners building. The sampling was completed in accordance with the scope of work described below. **Laboratory analytical results indicate no detection of CVOCs in excess of the applicable indoor air VAL within** the building. I've attached a figure showing the sample location, table summarizing the air analytical results, along with our field sheets documenting the work, and the 12/3/15 laboratory analytical report. Based on the results, it appears the mitigation system is serving its purpose of depressurizing the slab and protecting indoor air quality. It is REL's understanding that the indoor air sampling meet the request of the post-mitigation sampling and the building may continue to be occupied for commercial use.

In your June 6, 2015 email correspondence, in addition to the post-mitigation sampling you also indicated a maintenance plan for inspecting the system is required by the WDNR. Based on the results of the indoor air sampling, it is recommended that the maintenance plan include an inspection of the mitigation system every 6 months. Please let us now if you agree with this maintenance schedule.

Upon your reply, REL will assist the Gerald Kuehl estate representative in submittal of a maintenance plan. We look forward to your response.

Thanks,
Nicole



Nicole L. LaPlant - Robert E. Lee & Associates, Inc.
920-662-9641 nlaplant@releeinc.com

From: Nicole L. LaPlant
Sent: Wednesday, July 29, 2015 5:13 PM
To: 'Feeney, John M - DNR'
Cc: Chris Sitzmann; Bruce D. Meissner
Subject: RE: QUALITY CLEANERS-GRAFTON BRRTS #02-46560212

Hi John,

I was informed today that the floor in the Quality Cleaners building (Site building) has been sealed with epoxy by the contractor Mr. Kuehl (before his passing) was working with and REL has been asked to provide a cost estimate to complete the post-mitigation system installation indoor air testing in the Site building.

Per our phone discussion regarding locations/numbers of indoor air samples, REL plans to re-sample at the two sample locations (IA-1 and IA-2) sampled during January 2014 for comparison purposes of data. These previous locations represent worst case – above where the contamination is and in the hall/joint area for both hair style tenant occupied spaces. One outdoor (ambient) air sample will also be collected concurrent to the indoor air sampling for information on background air quality surrounding the building. Attached is a map with the previous sample locations and a table with the analytical results for reference with this email. REL will use the same indoor air sampling techniques/methods and analyze for the same analytical parameters (PCE, TCE, Cis-1,2 DCE, Trans-1,2, DCE and vinyl chloride) as in January 2014. No sub-slab vapor samples will be collected during this sampling event.

Based on our phone discussion today, WDNR concurs with this proposed sampling plan and REL should may proceed as discussed. Please let me know if you have any changes or comments. I will be in touch upon receipt of the results.

Thank you,
Nicole



Nicole L. LaPlant - Robert E. Lee & Associates, Inc.
920-662-9641 nlplant@releeinc.com

From: Feeney, John M - DNR [<mailto:JohnM.Feeney@wisconsin.gov>]
Sent: Wednesday, June 17, 2015 11:04 AM
To: Nicole L. LaPlant
Cc: Christopher G. Sitzmann (csitzmann@sitzmannlaw.com)
Subject: RE: QUALITY CLEANERS-GRAFTON BRRTS #02-46560212

Good morning Nicole. I talked to Nancy and she said to mainly follow our guidance. There should be one indoor air sample for each floor, and then one for each separate commercial or living space (if there are separate ones). Concentrate on occupied spaces, and worst case – above where the contamination is. We don't need sub-slab. Follow the guidance on when/how/what conditions to sample. Seal the floor cracks.

We are committed to service excellence.

Visit our survey at <http://dnr.wi.gov/customersurvey> to evaluate how I did.

John Feeney
Phone: 920-893-8523
Johnm.feeney@wisconsin.gov

From: Nicole L. LaPlant [<mailto:nlplant@releeinc.com>]
Sent: Wednesday, June 17, 2015 9:18 AM
To: Feeney, John M - DNR
Cc: Christopher G. Sitzmann
Subject: RE: QUALITY CLEANERS-GRAFTON BRRTS #02-46560212

Good Morning John,

I'm following up on the email I send last week on June 9. I can't find that I received a response and want to make sure I haven't missed it. The estate is waiting to hear back from me regarding WDNR's response to the questions. I appreciate your help. Thanks,

Nicole L. LaPlant
Senior Project Geologist



Robert E. Lee & Associates, Inc.
1250 Centennial Centre Boulevard • Hobart, WI 54155
Office: 920.662.9641 • Fax: 920.662.9141
nlaplant@releeinc.com

From: Nicole L. LaPlant
Sent: Tuesday, June 09, 2015 1:06 PM
To: 'Feeney, John M - DNR'
Cc: Christopher G. Sitzmann
Subject: RE: QUALITY CLEANERS-GRAFTON BRRTS #02-46560212

Hi John,

I have a couple questions regarding the indoor air testing and sealing of the floor cracks.

1. Can you clarify/be more specific on the scope of the indoor air testing that WDNR is requiring? Such as number of samples in the building during one event, would there be subsequent events, and do any sub-slabs need to be pulled as well? Etc.
2. Regarding the sealing of the floor cracks. Mr. Kuehl contracted another party to epoxy the floor. Attached is a floor plan of the building depicting the area of proposed epoxy. We'd like WDNR feedback/guidance regarding whether or not the whole floor of the building should be covered, such as back storage area. Please provide further recommendations/comment. Just want to make sure what has been proposed by others is sufficient.
3. I was copied on the email from Radon Abatement send today, it looks like Mr. Heine sent over another copy of the final report (which I already forwarded to you) documenting the installation as his response to my request for the pressure data for the pressure field extension. Let me know if there is anything else I should request from the contractor at this time.

Thanks for your assistance. Much appreciated.

Nicole L. LaPlant
Senior Project Geologist



Robert E. Lee & Associates, Inc.
1250 Centennial Centre Boulevard • Hobart, WI 54155
Office: 920.662.9641 • Fax: 920.662.9141
nlaplant@releeinc.com

From: Feeney, John M - DNR [<mailto:JohnM.Feeney@wisconsin.gov>]
Sent: Tuesday, June 02, 2015 3:22 PM
To: Christopher G. Sitzmann
Cc: Nicole L. LaPlant
Subject: RE: QUALITY CLEANERS-GRAFTON BRRTS #02-46560212

Thanks for calling originally Chris. I just talked to our experts a moment ago and they said indoor air testing is needed in the building unless the new building use will be a dry cleaner (that uses PCE) or a nail salon. I also emailed Nicole and asked her to send me the pressure test data, and told her that a maintenance plan for inspecting the system is required at this time.

You would want to remove any building material that may be contaminated with solvents prior to the testing, and have the normal HVAC system running. Make sure the floor cracks are sealed too.

We are committed to service excellence.

Visit our survey at <http://dnr.wi.gov/customersurvey> to evaluate how I did.

John Feeney

Phone: 920-893-8523

Johnm.feeney@wisconsin.gov

From: Christopher G. Sitzmann [<mailto:csitzmann@sitzmannlaw.com>]

Sent: Tuesday, June 02, 2015 2:51 PM

To: Feeney, John M - DNR

Subject: QUALITY CLEANERS-GRAFTON BRRTS #02-46560212

John

Good to talk with you today. As we discussed Mr. Kuehl passed on April 10, 2015

Thank you for getting back to me on the need for additional indoor air sampling before the Kuehl Estate can occupy the property.

Sincerely,

Christopher G. Sitzmann

Sitzmann Law Firm Ltd. | Attorney at Law

231 W. Franklin Street | Appleton, WI 54911

office: (920) 733-3963 | fax: (920) 733-8873

csitzmann@sitzmannlaw.com

www.sitzmannlaw.com

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



Figure 1: Vapor Intrusion Sample Locations

SSV-1 = Sub-slab Sample (30 minutes)

IA-1 = Indoor Air Sample (8 hour)

DISCLAIMER: Ozaukee County does not guarantee the accuracy of the material contained herein or its derivatives. 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

Indoor Air Sampling Form

Project No.: <u>5630 -001</u>	Weather: <u>Clear</u>
Project Name: <u>Former Quality Cleaners</u>	Air Temperature: <u>45° F</u>
Sample Location: <u>Quality Cleaners</u>	Atmospheric Pressure: <u>30 inches</u>
Date: <u>10-30-15</u>	
Field Personnel: <u>PHH</u>	
Recorded by: <u>PHH</u>	

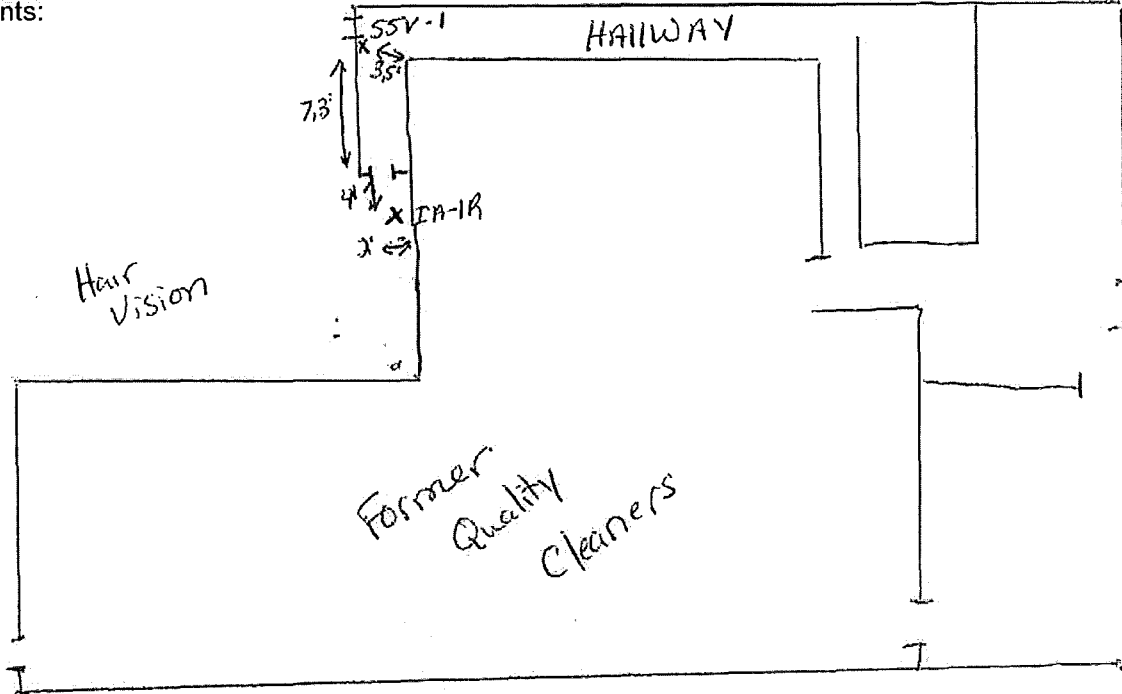
Sample Location Observations

HVAC System Operating (Y/N)? (N)
 HVAC System type (gas forced air, fuel oil, hydronic, etc.)?
 Chemical Storage Near Sample Location? No
 Windows Open? No
 Occupants Smoking? No

Canister Information

Date	Start Time	End Time	Sample ID No.	Canister ID No.	Flow Controller No.	Vacuum Gauge No.	Initial Vacuum	Final Vacuum
10-30-15	0929	1040	IA-1A	2119	FC0435		-28	-3

Comments:



Indoor Air Sampling Form

Project No.: <u>5630-001</u>	Weather: <u>clear</u>
Project Name: <u>Former Quality Cleaners</u>	Air Temperature: <u>45° F</u>
Sample Location: <u>Quality Cleaners</u>	Atmospheric Pressure: <u>30 inches</u>
Date: <u>10-30-15</u>	
Field Personnel: <u>PHH</u>	
Recorded by: <u>PHH</u>	

Sample Location Observations

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

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

Chemical Storage Near Sample Location? No

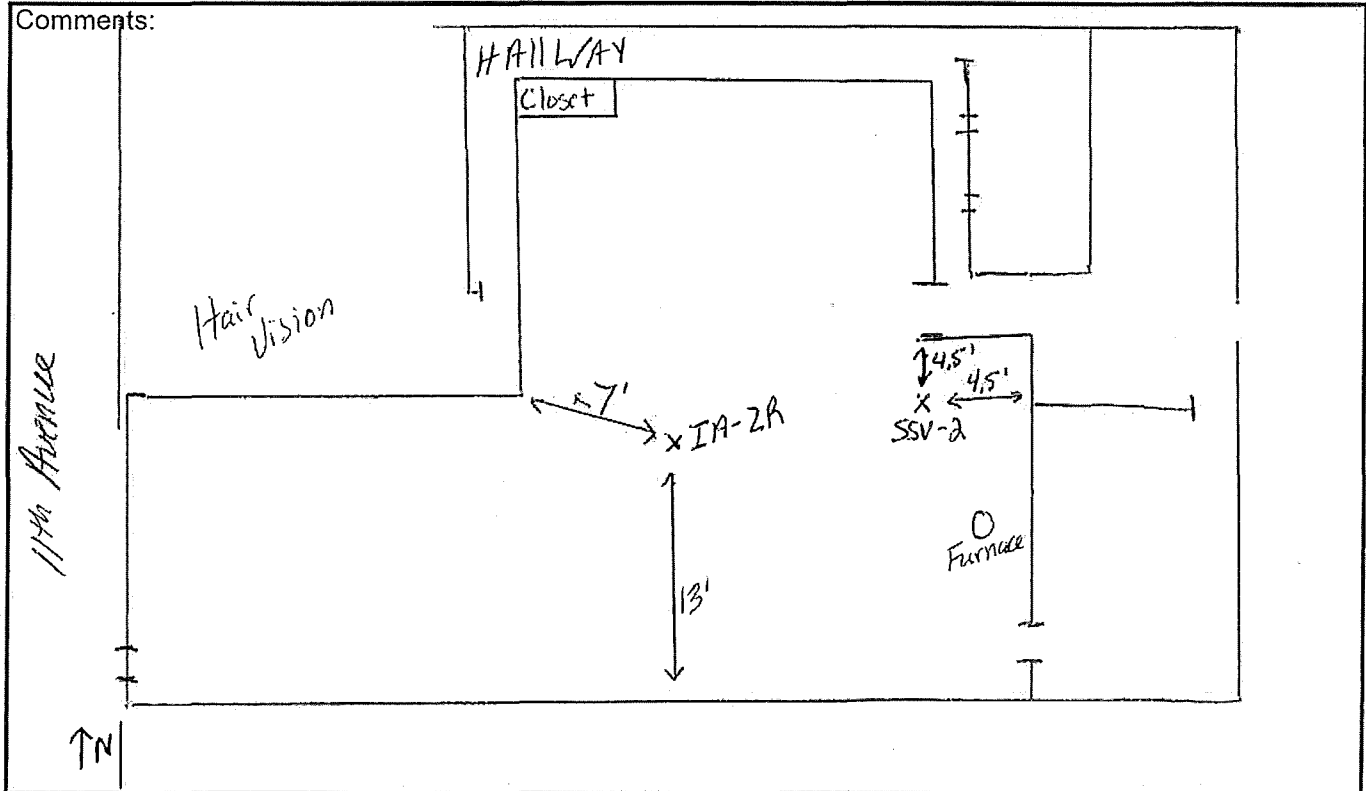
Windows Open? No

Occupants Smoking? No

Canister Information

Date	Start Time	End Time	Sample ID No.	Canister ID No.	Flow Controller No.	Vacuum Gauge No.	Initial Vacuum	Final Vacuum
10-30-15	09:21	14:30	IA-2A	2667	FC0411		-30	-4

Comments:



Outdoor Air Sampling Form

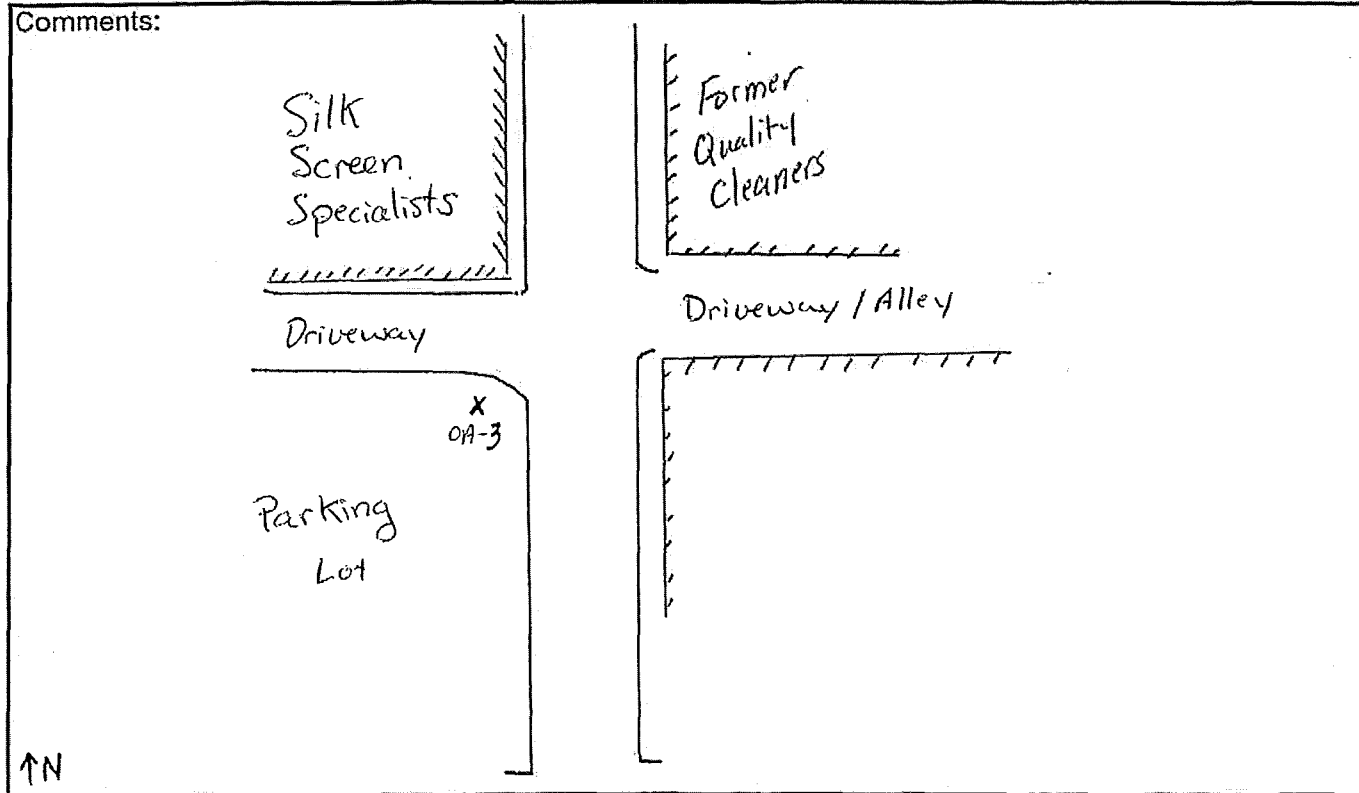
Project No.: <u>5630-001</u> Project Name: <u>Former Quality Cleaners</u> Sample Location: <u>Quality Cleaners</u> Date: <u>10-30-15</u> Field Personnel: <u>PHK</u> Recorded by: <u>PHK</u>	Weather: <u>clear</u> Air Temperature: <u>45°F</u> Atmospheric Pressure: <u>30 in.</u> Wind Direction: <u>SE / 5mph</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
10-30-15	0940	1830	OA-3	2099	FC0112		-29	-5

Comments:



December 03, 2015

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

RE: Project: 5630-001 Quality Cleaners-Rev.
Pace Project No.: 10328755

Dear Nicole LaPlant:

Enclosed are the analytical results for sample(s) received by the laboratory on November 04, 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.

This report was revised to correct the analyte list.

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: 5630-001 Quality Cleaners-Rev.

Pace Project No.: 10328755

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

Washington Certification #: C486

West Virginia Certification #: 382

West Virginia DHHR #:9952C

Wisconsin Certification #: 999407970

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SAMPLE SUMMARY

Project: 5630-001 Quality Cleaners-Rev.

Pace Project No.: 10328755

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10328755001	IA- 1R	Air	10/30/15 16:40	11/04/15 12:00
10328755002	IA- 2R	Air	10/30/15 16:30	11/04/15 12:00
10328755003	OA- 3	Air	10/30/15 18:30	11/04/15 12:00

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SAMPLE ANALYTE COUNT

Project: 5630-001 Quality Cleaners-Rev.
Pace Project No.: 10328755

Lab ID	Sample ID	Method	Analysts	Analytes Reported
10328755001	IA- 1R	TO-15	MJL	5
10328755002	IA- 2R	TO-15	MJL	5
10328755003	OA- 3	TO-15	MJL	5

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ANALYTICAL RESULTS

Project: 5630-001 Quality Cleaners-Rev.

Pace Project No.: 10328755

Sample: IA- 1R Lab ID: 10328755001 Collected: 10/30/15 16:40 Received: 11/04/15 12:00 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15							
cis-1,2-Dichloroethene	<0.37	ug/m3	1.2	0.37	1.49		11/09/15 18:55	156-59-2	
trans-1,2-Dichloroethene	<0.57	ug/m3	1.2	0.57	1.49		11/09/15 18:55	156-60-5	
Tetrachloroethene	5.9	ug/m3	1.0	0.41	1.49		11/09/15 18:55	127-18-4	
Trichloroethene	<0.41	ug/m3	0.82	0.41	1.49		11/09/15 18:55	79-01-6	
Vinyl chloride	<0.29	ug/m3	0.39	0.29	1.49		11/09/15 18:55	75-01-4	

Sample: IA- 2R Lab ID: 10328755002 Collected: 10/30/15 16:30 Received: 11/04/15 12:00 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15							
cis-1,2-Dichloroethene	<0.40	ug/m3	1.3	0.40	1.61		11/09/15 19:51	156-59-2	
trans-1,2-Dichloroethene	<0.62	ug/m3	1.3	0.62	1.61		11/09/15 19:51	156-60-5	
Tetrachloroethene	<0.45	ug/m3	1.1	0.45	1.61		11/09/15 19:51	127-18-4	
Trichloroethene	<0.44	ug/m3	0.89	0.44	1.61		11/09/15 19:51	79-01-6	
Vinyl chloride	<0.31	ug/m3	0.42	0.31	1.61		11/09/15 19:51	75-01-4	

Sample: OA- 3 Lab ID: 10328755003 Collected: 10/30/15 18:30 Received: 11/04/15 12:00 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15							
cis-1,2-Dichloroethene	<0.37	ug/m3	1.2	0.37	1.49		11/09/15 20:18	156-59-2	
trans-1,2-Dichloroethene	<0.57	ug/m3	1.2	0.57	1.49		11/09/15 20:18	156-60-5	
Tetrachloroethene	4.0	ug/m3	1.0	0.41	1.49		11/09/15 20:18	127-18-4	
Trichloroethene	<0.41	ug/m3	0.82	0.41	1.49		11/09/15 20:18	79-01-6	
Vinyl chloride	<0.29	ug/m3	0.39	0.29	1.49		11/09/15 20:18	75-01-4	

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QUALITY CONTROL DATA

Project: 5630-001 Quality Cleaners-Rev.
Pace Project No.: 10328755

QC Batch: AIR/21608 Analysis Method: TO-15
QC Batch Method: TO-15 Analysis Description: TO15 MSV AIR Low Level
Associated Lab Samples: 10328755001, 10328755002, 10328755003

METHOD BLANK: 2130699 Matrix: Air
Associated Lab Samples: 10328755001, 10328755002, 10328755003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,2-Dichloroethene	ug/m3	<0.25	0.81	11/09/15 14:17	
Tetrachloroethene	ug/m3	<0.28	0.69	11/09/15 14:17	
trans-1,2-Dichloroethene	ug/m3	<0.38	0.81	11/09/15 14:17	
Trichloroethene	ug/m3	<0.28	0.55	11/09/15 14:17	
Vinyl chloride	ug/m3	<0.20	0.26	11/09/15 14:17	

LABORATORY CONTROL SAMPLE: 2130700

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
cis-1,2-Dichloroethene	ug/m3	40.3	51.2	127	64-137	
Tetrachloroethene	ug/m3	69	90.4	131	66-137	
trans-1,2-Dichloroethene	ug/m3	40.3	53.3	132	61-140	
Trichloroethene	ug/m3	54.6	69.8	128	70-134	
Vinyl chloride	ug/m3	26	31.5	121	72-129	

SAMPLE DUPLICATE: 2131308

Parameter	Units	10328755001 Result	Dup Result	RPD	Max RPD	Qualifiers
cis-1,2-Dichloroethene	ug/m3	<0.37	<0.37		25	
Tetrachloroethene	ug/m3	5.9	5.9	0	25	
trans-1,2-Dichloroethene	ug/m3	<0.57	<0.57		25	
Trichloroethene	ug/m3	<0.41	<0.41		25	
Vinyl chloride	ug/m3	<0.29	<0.29		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.

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: 5630-001 Quality Cleaners-Rev.

Pace Project No.: 10328755

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.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 5630-001 Quality Cleaners-Rev.

Pace Project No.: 10328755

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10328755001	IA- 1R	TO-15	AIR/24608		
10328755002	IA- 2R	TO-15	AIR/24608		
10328755003	OA- 3	TO-15	AIR/24608		

REPORT OF LABORATORY ANALYSIS

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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.

10328755

21476

Page: 1 of 1

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:	Program
Company: <i>Robert E. Lee + Associates</i>	Report To: <i>Nicole Lallant</i>	Attention: <i>Nicole Lallant</i>	UST <input type="checkbox"/> Superfund <input type="checkbox"/> Emissions <input type="checkbox"/> Clean Air Act <input type="checkbox"/>
Address: <i>1250 Centennial Centre Blvd Hobart, WI 54155</i>	Copy To:	Company Name: <i>Robert E. Lee + Associates</i>	Voluntary Clean Up <input checked="" type="checkbox"/> Dry Clean <input type="checkbox"/> RCRA <input type="checkbox"/> Other <input type="checkbox"/>
Email To: <i>nlallant@releeinc.com</i>	Purchase Order No.:	Address: <i>1250 Centennial Centre Blvd.</i>	Location of Sampling by State: <i>WI</i>
Phone: <i>920-462-9641</i>	Project Name: <i>Quality Cleaners</i>	Pace Quote Reference:	Reporting Units ug/m ³ <input checked="" type="checkbox"/> mg/m ³ <input type="checkbox"/> PPBV <input type="checkbox"/> PPMV <input type="checkbox"/> Other <input type="checkbox"/>
Requested Due Date/TAT:	Project Number: <i>5630-001</i>	Pace Project Manager/Sales Rep. <i>Carolynn Trout</i>	Report Level: II <input type="checkbox"/> III <input type="checkbox"/> IV <input type="checkbox"/> Other <input type="checkbox"/>

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 - Filter Gas (%)	TO-3	TO-3M (Methane)	TO-1 (PCRB)	TO-13 (PAH)	TO-14	TO-15		TO-15 Short List*		
					DATE	TIME	DATE	TIME																
1	IA-1A		6AL		10-30-15	09:29	10-30-15	16:40	-28	-3	2119	F C O 135									X		001	
2	IA-2A		6AL		10-30-15	09:21	10-30-15	16:30	-30	-4	2667	F C O 411											X	002
3	OA-3		6AL		10-30-15	09:40	10-30-15	18:30	-29	-5	2099	F C O 112											X	003
4																								
5																								
6																								
7																								
8																								
9																								
10																								
11																								
12																								

Comments:

TO15 Short list only
for: PCE, TCE,
cis-DCE, trans-DCE,
and vinyl chloride

ORIGINAL


RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS				
<i>Nicole Lallant</i>	11-2-15	15:30	<i>[Signature]</i>	11/4/15	1200	AMS	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
							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						Temp in °C	Received on Ice	Custody Sealed Cooler	Samples Intact	
PRINT Name of SAMPLER: <i>DIMITRI, H. KUSHL</i>										
SIGNATURE of SAMPLER: <i>[Signature]</i>										
DATE Signed (MM/DD/YY): <i>11/2/15</i>										

Air Sample Condition Upon Receipt

Client Name: Robert E. Lee

Project #:

WO# : 10328755



10328755

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

Tracking Number: _____

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

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

Temp. (TO17 and TO13 samples only) (°C): AMB 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: AMB 11/4/15

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>Air Can</u> Airbag Filter TDT Passive		11.
Sample Labels Match COC?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.

Canisters			Canisters		
Sample Number	Can ID	Flow Controller ID	Sample Number	Can ID	Flow Controller ID
IA-1R	PACE 2119	FC 0435			
IA-2R	PACE 2667	FC 0411			
OA-3	PACE 2099	FC 01R			

CLIENT NOTIFICATION/RESOLUTION

Field Data Required? Yes No

Person Contacted: _____ Date/Time: _____

Comments/Resolution: _____

Project Manager Review: [Signature] Date: 11/4/15
 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)

TABLE 1
SUB-SLAB VAPOR AND AMBIENT 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
Small Commercial Sub-Slab Vapor Risk Screening Level (VRSL) -- $\mu\text{g}/\text{m}^3$				6,000	290	---	---	930
Small Commercial Indoor Air Vapor Action Level (VAL) -- $\mu\text{g}/\text{m}^3$				180	8.8	---	---	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
IA-1R*		Indoor air*	10/30/2015	5.9	< 0.41	< 0.37	< 0.57	< 0.29
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
IA-2R*		Indoor air*	10/30/2015	< 0.45	< 0.44	< 0.40	< 0.62	< 0.31
OA-1	Outdoor Background	Outdoor air	1/16/2014	1.5	ND	ND	ND	ND
OA-3*		Outdoor air*	10/30/2015	4	< 0.41	< 0.37	< 0.57	< 0.29

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
 * = Sample collected after installation of the sub-slab depressurization system (i.e. post- mitigation) at the sample location of corresponding sample identification number

Notes:

- 1.) Sub-slab samples collected using Vapor Pin.
- 2.) The Vapor Risk Screening Level (VRSL) was obtained from WDNR's *Quick Look-Up Table for Indoor Air Vapor Action Levels and Vapor Risk Screening Levels*, based on December 2015 U.S. EPA Regional Screening Level Tables