Site Investigation Sample Results Notification - 1117 E. Main Street - August 5, 2024 - August 12, 2024

From: Nick Anderson (nauec@sbcglobal.net)

To: rebollarcarmelo9@gmail.com

Date: Wednesday, August 28, 2024 at 02:32 PM CDT

Carmelo,

Please see the attached PDF. I have included the Site Investigation Sample Results Notification to be submitted to the WDNR which include the results of the Indoor Air sampling performed at your residence on August 5, 2024 through August 12, 2024.

The results indicate the concentration of Trichloroethene (TCE) in the indoor air is below the Residential Vapor Action Level (VAL).

Thanks,

Nick J. Anderson, P.E.
Staff Engineer

UNITED ENGINEERING CONSULTANTS, INC
2938 S. 166th Street, New Berlin, WI 53151
Office (262)-785-1447

06007 - SISRN - 1117 E. Main - 2024.08.05 - 2024.08.12.pdf
1.6MB

State of Wisconsin
Department of Natural Resources
PO Box 7921, Madison WI 53707-7921
dnr.wi.gov

Site Investigation Sample Results Notification

Form 4400-249 (R 03/14)

Notice: This form may be used to comply with the requirements of s. NR 716.14 (2), Wis. Adm. Code; however, use of this form is not required. An alternate format may be used. The rule requires that notification be provided to 1) property owners when someone else is conducting the sampling, 2) to occupants of property belonging to the responsible person, and 3) to owners and occupants of property that does not belong to the responsible person but has been affected by contamination arising on his or her property. Notification is required within 10 business days of receiving the sample results. Personal information collected will be used for program administration and may be provided to requesters to the extent required by Wisconsin's Open Records law [ss. 19.31-19.39, Wis. Stats.].

NOTE: Under s. NR 716.14, Wis. Adm. Code, the responsible party must also submit sample results and other required information to the DNR. We recommend that copies of the sample results notifications be included with that submittal, along with all attachments. Using the same format used for data presentation for a closure request may be helpful to all parties. See s. NR 716.14, Wis. Adm. Code for the full list of information to be submitted to the DNR.

Notification of Property Owners and Occupants:

This notification form has been provided to you in order to provide the results of environmental sampling that has been conducted on property that you own or occupy. Samples were collected in accordance with the methods identified in the site investigation work plan, in accordance with s. NR. 716.09 and 716.13, Wis. Adm. Code. This sampling was conducted as a result of contamination originating at the following location.

Site Information

Site Name			DNR ID # (BRRTS #)
ALLOY PRODUCTS CORP			02-68-000601
Address	**City**	**State**	**ZIP Code**
1045 PERKINS AVENUE	WAUKESHA	WI	53186

Responsible Party

The person(s) responsible for completing this environmental investigation is:

Property Owner			
ALLOY PRODUCTS CORP			
Address	**City**	**State**	**ZIP Code**
1045 PERKINS AVENUE	WAUKESHA	WI	53186
Contact Person		**Phone Number (include area code)**	
BETSY BEAR HOFF		(262) 542-6603	

Person or company that collected samples

UNITED ENGINEERING CONSULTANTS, INC.

Sample Results (Results Attached)

Reason for Sampling: ◉ Routine ◯ Other (define) _____

The contaminants that have been identified at this time on property that you own or occupy include:

Contaminant	In Soil? Yes	In Soil? No	In Groundwater? Yes	In Groundwater? No
Gasoline	◯	◯	◯	◯
Diesel or Fuel Oil	◯	◯	◯	◯
Solvents	◯	◯	◯	◯
Heavy Metals	◯	◯	◯	◯
Pesticides	◯	◯	◯	◯
Other: _____	◯	◯	◯	◯

This sampling event included sampling of a drinking water well.
◯ Yes ◉ No

If yes, the sampled drinking water well had detectable contaminants.
◯ Yes ◯ No

Contaminants in Vapor	Yes	No
Indoor Air	◯	◉
Sub-slab	◯	◯
Exterior Soil Gas	◯	◯

Attached are:

- A map that shows the locations from which samples were collected. (The map needs to meet the requirements of s. NR 716.15 (4), Wis. Adm. Code.)
- A data table with specific contaminant levels at each sample location and whether or not the sample results exceed state standards.
- A copy of the laboratory results.

You are not identified as the person that is responsible for this contamination. However, your cooperation is important. Property owners may become legally responsible for contamination if they do not allow access to the person that is responsible so that person may complete the environmental investigation and clean up activities.

Option for written exemption: You have the option of requesting a written liability exemption from the DNR for contamination that originated on another property, or on property that you lease. To do this, you must present an adequate environmental assessment of your property and pay a $700 fee for review of this information. If you are interested in this option, please see DNR publication # RR 589, "When Contamination Crosses a Property Line - Rights and Responsibilities of Property Owners", available at: dnr.wi.gov/files/PDF/pubs/rr/rr589.pdf.

Contact Information

Please address questions regarding this notification, or requests for additional information to the contact person listed above, or to one of the following contacts:

Environmental Consultant

Company Name	Contact Person Last Name	First Name
UNITED ENGINEERING CONSULTANTS	ANDERSON	TIMOTHY

Address	City	State	ZIP Code
2938 S. 166TH STREET	NEW BERLIN	WI	53151

Phone # (inc. area code)	Email
(262) 785-1447	TAUEC@SBCGLOBAL.NET

Select which agency: (●) Natural Resources ( ) Agriculture, Trade and Consumer Protection

State of Wisconsin Department of Natural Resources

Contact Person Last Name	First Name	Phone # (inc. area code)
DREWS	MARK	(262) 574-2146

Address	City	State	ZIP Code
141 NW BARSTOW STREET	WAUKESHA	WI	53188

Email
MARK.DREWS@WISCONSIN.GOV

Table
Off Site Vapor Investigation - Indoor Air - 1117 E. Main Street
Alloy Products Corporation
1045 Perkins Avenue
Waukesha, Wisconsin 53186

Sample Identification	**IA-PC4-2**	**IA-PC5-2**	**IA-PC6**	**Residential**	**Small Commercial**
Sample Type	**Indoor Air**	**Indoor Air**	**Indoor Air**	**Indoor Air VAL**	**Indoor Air VAL**
Sample Date	**08/05/2024 - 08/12/2024**	**08/05/2024 - 08/12/2024**	**08/05/2024 - 08/12/2024**		
Sample Duration (Hours)	168	168	168		
Location	Basement	1st Floor	2nd Floor		
Volatile Organic Compounds (VOC) (Method: TO-15)					
Acetone	NA	NA	NA	32000	140000
Benzene	NA	NA	NA	3.6	20
Carbon disulfide	NA	NA	NA	730	3100
Carbon tetrachloride	NA	NA	NA	4.7	20
Chloroethane	NA	NA	NA	-	-
Chloroform	NA	NA	NA	1.2	5.3
1,1-Dichloroethane	NA	NA	NA	18	77
1,1-Dichloroethene	NA	NA	NA	210	880
cis-1,2-Dichloroethene	NA	NA	NA	-	-
trans-1,2-Dichloroethene	NA	NA	NA	42	180
Ethylbenzene	NA	NA	NA	11	49
Methyl tert-butyl ether	NA	NA	NA	110	470
Tetrachloroethene	NA	NA	NA	42	180
1,1,1-Trichloroethane	NA	NA	NA	5200	22000
1,1,2-Trichloroethane	NA	NA	NA	0.21	0.88
Trichloroethene	0.66	0.38	0.44	2.1	8.8
Vinyl chloride	NA	NA	NA	2	28
o-Xylene	NA	NA	NA	100	440

Notes: All results expressed as µg/m3
VAL Vapor Action Level (May 2024 U.S. EPA Regional Screening Levels)
Residential Indoor Air VAL exceedances in <u>underline</u> (AF=0.03)
Commercial Indoor Air VAL exceedances in **bold** (AF=0.03)
- Indoor Air VAL not established for this compound
< Compound not detected at or above Limit Of Detection (LOD)
J Analyte detected above LOD and below Limit Of Quantitation (LOQ)
Tracer gas was not present in any samples

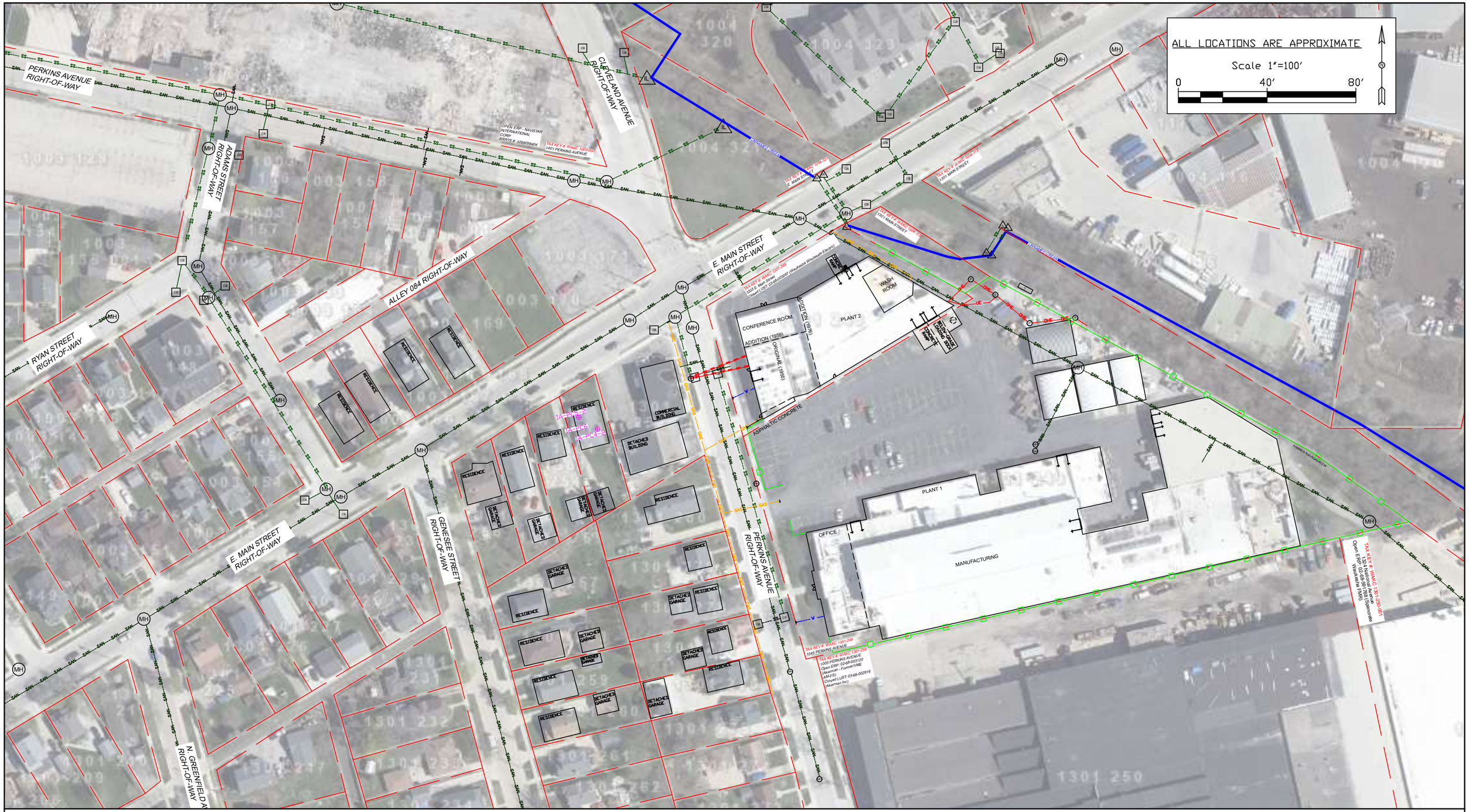

Figure: Off-Site Vapor Sample Location Map - 1117 E. Main Street (Post Construction Sampling)

United Engineering Consultants, Inc.

2938 S. 166th St.
New Berlin, WI 53151
Tel. (262) 785-1447

#06007

DRAWN BY: NJA

DATE: 08/21/2024

Site Investigation Sample Results Notification
Alloy Products Corporation
1045 Perkins Avenue
Waukesha, WI 53186

Legend

Property Line	SAN Sanitary Sewer	IA-PC4-2	Indoor Air (IA) or Outdoor Air (OA) Sample Location
GAS Natural Gas Line	SS Storm Sewer		
OHE Overhead Electric Line	UE Electric Line		
	W Water Line		
MH Manhole	P Utility Pole		

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8/27/2024
Mr. Nick Anderson
United Engineering Consultants, Inc.
2938 S. 166th Street

New Berlin WI 53151

Project Name:
Project #:
Workorder #: 2408469

Dear Mr. Nick Anderson

The following report includes the data for the above referenced project for sample(s) received on 8/14/2024 at Eurofins Air Toxics LLC.

The data and associated QC analyzed by Passive S.E. RAD130/SKC are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Eurofins Air Toxics LLC. for your air analysis needs. Eurofins Air Toxics Inc. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Jade White at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Jade White

Project Manager

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WORK ORDER #: 2408469

Work Order Summary

CLIENT:	Mr. Nick Anderson United Engineering Consultants, Inc. 2938 S. 166th Street New Berlin, WI 53151	**BILL TO:**	Mr. Nick Anderson United Engineering Consultants, Inc. 2938 S. 166th Street New Berlin, WI 53151
PHONE:	(262)-785-1447	**P.O. #**	
FAX:		**PROJECT #**	
DATE RECEIVED:	08/14/2024	**CONTACT:**	Jade White
DATE COMPLETED:	08/27/2024		

FRACTION #	NAME	TEST
01A	IA-PC4-2	Passive S.E. RAD130/SKC
02A	IA-PC5-2	Passive S.E. RAD130/SKC
03A	IA-PC6	Passive S.E. RAD130/SKC
04A	Lab Blank	Passive S.E. RAD130/SKC
05A	CCV	Passive S.E. RAD130/SKC
06A	LCS	Passive S.E. RAD130/SKC
06AA	LCSD	Passive S.E. RAD130/SKC

CERTIFIED BY: Heidi Hayes DATE: 08/27/24

Technical Director

Cert. No.: AZ Licensure-AZ0775, FL NELAP-E87680, LA NELAP–02089, MN NELAP-2703122, NH NELAP–209223-B, NJ NELAP-CA016, NY NELAP-11291, TX NELAP-T104704434, UT NELAP-CA009332023-16, VA NELAP-12695, WA NELAP-C935
Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program) CA300005-20
Eurofins Environment Testing Northern California, LLC certifies that the test results contained in this report meet all requirements of the 2016 TNI Standard.

This report shall not be reproduced, except in full, without the written approval of Eurofins Air Toxics, LLC.

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000

LABORATORY NARRATIVE
RAD130 Passive SE by Mod EPA TO-17
United Engineering Consultants, Inc.
Workorder# 2408469

Three Radiello 130 (Solvent) samples were received on August 14, 2024. The laboratory analyzed the charcoal sorbent bed of the passive sampler following modified method EPA TO-17. The VOCs were chemically extracted using carbon disulfide and an aliquot of the extract was injected into a GC/MS for identification and quantification of volatile organic compounds (VOCs).

The mass of each target compound adsorbed by the sampler was converted to units of concentration using the sample deployment time and the sampling rate for each VOC. If sampling rates were calculated by the lab or the manufacturer, the concentration result has been flagged as an estimated value. Results are not corrected for desorption efficiency.

The reference method used for this procedure is EPA TO-17, which describes the collection of VOCs in ambient air using sorbents and analysis by GC/MS. Because TO-17 describes active sample collection using a pump and thermal desorption as the preparation step, several modifications are required. Modifications to TO-17 are listed in the table below:

Requirement	***TO-17***	***ATL Modifications***
Sample Collection	Pump pulls measured air volume through sorbent tube	VOCs in air adsorbed onto sorbent bed passively through diffusion
Sample Preparation	Thermal extraction	Solvent extraction
Sorbent tube conditioning	Condition newly packed tubes prior to use	Charcoal-based sorbent is a single use media and conditioning is conducted by vendor.
Instrumentation	Thermal desorption introduction system	Liquid injection introduction system
Internal Standard	Gas-phase internal standard introduced on the tube or focusing trap during analysis	Liquid-phase internal standard introduced on the tube at the time of extraction
Media and sample storage	<4 deg C, 30 days	Media shelf life is determined by vendor; sample hold-time is 6 months for the RAD130 and WMS. Sample preservation requirements are storage in a cool, solvent-free refrigerator and optional use of ice during shipping.
Internal Standard Recovery	+/-40% of daily CCV area	-50% to +100% of daily CCV area

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

The uptake rates were corrected based on average field temperatures if provided. In the absence of field temperatures, the uptake rates determined at 25 deg C were used.

To calculate ug/m3 concentrations in the Lab Blank, a sampling duration of 10085 minutes was applied. The assumed temperature used for the uptake rate is listed on the data page. If the field temperatures were provided, the rate was adjusted in the same manner as the field samples.

Definition of Data Qualifying Flags

Ten qualifiers may have been used on the data analysis sheets and indicate as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit.

UJ- Non-detected compound associated with low bias in the CCV

N - The identification is based on presumptive evidence.

C - Estimated concentration due to calculated sampling rate

CN - See case narrative explanation.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue

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Summary of Detected Compounds
VOCS BY PASSIVE SAMPLER - GC/MS

Client Sample ID: IA-PC4-2

Lab ID#: 2408469-01A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.14	0.46	0.66

Client Sample ID: IA-PC5-2

Lab ID#: 2408469-02A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.14	0.26	0.38

Client Sample ID: IA-PC6

Lab ID#: 2408469-03A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.14	0.30	0.44

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Client Sample ID: IA-PC4-2

Lab ID#: 2408469-01A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	**18082016sim**	**Date of Collection: 8/12/24 3:38:00 PM**
Dil. Factor:	**1.00**	**Date of Analysis: 8/20/24 01:27 PM**
		Date of Extraction: 8/20/24

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.14	0.46	0.66

Temperature = 77.0F , duration time = 10085 minutes.
Container Type: Radiello 130 (Solvent)

Surrogates	%Recovery	Method Limits
Toluene-d8	96	70-130

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Client Sample ID: IA-PC5-2

Lab ID#: 2408469-02A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	**18082017sim**	**Date of Collection: 8/12/24 3:41:00 PM**
Dil. Factor:	**1.00**	**Date of Analysis: 8/20/24 01:54 PM**
		Date of Extraction: 8/20/24

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.14	0.26	0.38

Temperature = 77.0F , duration time = 10083 minutes.
Container Type: Radiello 130 (Solvent)

Surrogates	%Recovery	Method Limits
Toluene-d8	96	70-130

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Client Sample ID: IA-PC6

Lab ID#: 2408469-03A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	**18082018sim**	**Date of Collection: 8/12/24 3:40:00 PM**
Dil. Factor:	**1.00**	**Date of Analysis: 8/20/24 02:21 PM**
		Date of Extraction: 8/20/24

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.14	0.30	0.44

Temperature = 77.0F , duration time = 10085 minutes.
Container Type: Radiello 130 (Solvent)

Surrogates	%Recovery	Method Limits
Toluene-d8	96	70-130

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Client Sample ID: Lab Blank

Lab ID#: 2408469-04A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	**18082005sim**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 8/20/24 08:33 AM**	
		Date of Extraction: 8/20/24	

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.14	Not Detected	Not Detected

Temperature = 77.0F , duration time = 10085 minutes.
Container Type: Radiello 130 (Solvent)

Surrogates	%Recovery	Method Limits
Toluene-d8	94	70-130

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Client Sample ID: CCV

Lab ID#: 2408469-05A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	**18082002sim**	**Date of Collection: NA**
Dil. Factor:	**1.00**	**Date of Analysis: 8/20/24 07:06 AM**
		Date of Extraction: NA

Compound	**%Recovery**
Trichloroethene	112

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
Toluene-d8	114	70-130

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Client Sample ID: LCS

Lab ID#: 2408469-06A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	**18082003sim**	**Date of Collection: NA**
Dil. Factor:	**1.00**	**Date of Analysis: 8/20/24 07:33 AM**
		Date of Extraction: 8/20/24

Compound	**%Recovery**	**Method Limits**
Trichloroethene	90	70-130

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
Toluene-d8	96	70-130

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Client Sample ID: LCSD

Lab ID#: 2408469-06AA

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	**18082004sim**	**Date of Collection: NA**
Dil. Factor:	**1.00**	**Date of Analysis: 8/20/24 08:00 AM**
		Date of Extraction: 8/20/24

Compound	**%Recovery**	**Method Limits**
Trichloroethene	92	70-130

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
Toluene-d8	96	70-130

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Method : Passive SE GC/MS - TCE only

CAS Number	Compound	Rpt. Limit (ug)
79-01-6	**Trichloroethene**	**0.10**

	Surrogate	Method Limits
2037-26-5	Toluene-d8	70-130

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Analysis Request / Passive Sorbent Chain of Custody

eurofinsus.com

Eurofins Environment Testing Northern California, LLC
180 Blue Ravine Rd. Suite B, Folsom, CA 95630
Phone (800) 985-5955; Fax (916) 351-8279

Workorder #: 2408469

page 1 of 1

Client: UEC, INC.
Site Name: 06007-1117
Project Manager: JADE WHITE
Sampler: NICK ANDERSON

Project Name:
Project #:
PO#:

Turnaround Time (Specify Below)
Standard X Rush _____ (Surcharges will apply, per availability)
Samples received after 3PM PST are considered to be received on the following workday
Requested Date (mm/dd/yy):
OR Number of Days:

Sample Matrix (Check One)

Reporting Units (Circle One): ppbv, µg/m³, ppmv, mg/m³, µg, ng

Lab ID	Field Sample Identification (Location)	Tube # / Sampler ID	Deployment Information Date (Times are military unless am/pm is indicated)	Deployment Information Time	Retrieval Information Date	Retrieval Information Time	Indoor/Outdoor Air	Soil Gas	Workplace Monitoring	(Other)	Temperature	Analysis Requested	Sample Comments:
01A	IA-PC4-2	XH013	8/5/24	15:33	8/12/24	15:38	X					TCE	
02A	IA-PC5-2	XH014	↓	15:38	↓	15:40	X					↓	
03A	IA-PC6	XH015	↓	15:35	↓	15:40	X					↓	

Special Instructions/Notes:

Relinquished by: (Signature/Affiliation)	Date	Time	Received by: (Signature/Affiliation)	Date	Time
[signature] / UEC, INC	8/13/24	12:00	[signature] EAR	8/14/24	10:02
Relinquished by: (Signature/Affiliation)	Date	Time	Received by: (Signature/Affiliation)	Date	Time
Relinquished by: (Signature/Affiliation)	Date	Time	Received by: (Signature/Affiliation)	Date	Time

Lab Use Only

Shipper Name: Fedex
Custody Seals Intact? Yes No None
Temperature:
Condition:

Sample Transportation Notice: Relinquishing signature on this document indicates that samples are shipped in compliance with all applicable local, State, Federal, and international laws, regulations, and ordinances of any kind. Relinquishing signature also indicates agreement to hold harmless, defend, and indemnify Eurofins Air Toxics against any claim, demand, or action, of any kind, related to the collection, handling, of shipping of samples. D.O.T Hotline (800) 467-4922