



DIVISION OF PUBLIC HEALTH

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August 29, 2013

Ms. Margaret Kidder  
St. Clare Management, Inc.  
1545 S. Layton Blvd.  
Milwaukee, WI 53215

Subject: Environmental Health Investigation Update  
Clare Central, 1003 to 1033 W. Atkinson Avenue, Milwaukee  
FID#341148720, BRRTS#02-41-549867

Dear Ms. Kidder,

The purpose of this letter is to summarize the results of a recent indoor air investigation conducted at the Clare Central Apartments (CCAs) by staff from the City of Milwaukee Health Department (MHD) and the Wisconsin Department of Health Services (DHS), and to provide recommendations for future action. The CCAs are located at 1003 and 1033 West Atkinson Avenue, Milwaukee, Wisconsin. This investigation was requested by MHD in response to indoor air data showing high levels of trichloroethylene (TCE) in the unit located at 1003 West Atkinson Avenue. Follow-up indoor air sampling failed to detect TCE in living areas, but further testing in cooler months under conditions of reduced air exchange is recommended. Additionally, it is recommended that the vapor intrusion pathway be evaluated within neighboring off-site residences, working in conjunction with DHS and MHD.

### **Background**

Historically, the site of the CCAs has been occupied by an automatic control manufacturing facility, a wire and iron works factory, and an automotive service facility. In addition, a gasoline filling station and a dry cleaning business have also been in operation in the northeast and northwest adjoining properties, respectively. An environmental site assessment conducted in 2006 revealed the presence of chlorinated solvent contamination in the soil and groundwater beneath the site and an adjacent alleyway (*Terracon 2013*). Additional environmental site assessments have identified TCE as the primary contaminant of concern.

Sub-slab and indoor air samples collected from the CCAs in February and March 2011 detected concentrations of TCE above its Wisconsin Vapor Action Level (VAL) of 0.39 parts per billion by volume (ppbV) in both apartment units. In May 2011, sub-slab depressurization systems (SSDSs) were installed in both units in an attempt to reduce TCE concentrations below its VAL for residential indoor air. Follow-up indoor air testing revealed that the reductions were

insufficient to adequately protect human health. Adjustments were made in an attempt to improve the efficacy of the SSDSs, but ambient air samples collected in March 2013 detected a TCE concentration of 154 ppbV in the sump room at 1003 West Atkinson Avenue. The detection of TCE at a concentration almost 400-fold higher than its VAL prompted MHD to request rapid follow-up indoor air sampling by DHS.

## Results

On July 17, 2013, DHS and MHD staff deployed seven Summa canisters at the CCAs (see **Appendix A** for sampling locations) primarily to test for TCE and its degradation products. Four canisters were deployed at 1003 West Atkinson Avenue (2 downstairs and 2 upstairs). Three canisters were deployed at 1033 West Atkinson Avenue (1 downstairs, 1 upstairs, and 1 outside). The canisters had 6 liter volumes and were fitted with regulators to slowly collect air samples over a 24 hour period. MHD staff retrieved the canisters on July 18, 2013, approximately 24 hours after deployment. The State Lab of Hygiene analyzed the Summa canisters for volatile organic compounds (VOCs) via US EPA method TO-15.

TCE was not detected in any of the living areas above the analytical detection limit of 0.43 ppbV (**Table 1**). The only air sample with a detectable TCE concentration was collected in the first floor sump closet at 1003 West Atkinson Avenue, which is the exact location where indoor air sampling at the end of March detected TCE at 154 ppbV. Although the TCE concentration detected in the sump closet was much lower than the concentration detected in March 2013, it was still above the VAL of 0.39 ppbV. No TCE degradation products were detected in any of the samples (**Appendix B**).

**Table 1. TCE concentrations detected in ambient air collected on July 17-18, 2013, at 1003 and 1033 West Atkinson Avenue, Milwaukee, Wisconsin**

Sample Code	Location	Air Type	TCE (ppbV)
IA1	1003 Unit #1 Kitchen Counter (1 <sup>st</sup> Floor)	Indoor	*D < 0.43
IA2	1003 Sump Closet (1 <sup>st</sup> Floor)	Indoor	0.89
IA3	1003 Mechanical Closet (2 <sup>nd</sup> Floor)	Indoor	*D < 0.43
IA4	1003 Storage Room (2 <sup>nd</sup> Floor)	Indoor	*D < 0.43
IA5	1033 Unit #2 Kitchen Counter (1 <sup>st</sup> Floor)	Indoor	*D < 0.43
IA6	1033 Unit #5 Kitchen Counter (2 <sup>nd</sup> Floor)	Indoor	*D < 0.43
OA	1033 Unit #5 Porch (2 <sup>nd</sup> Floor)	Outdoor	*D < 0.43

\* Limit of detection

## Human Health Concerns

Exposure to TCE poses a potential human health hazard to the central nervous system, the immune system, the kidney, the liver, the male reproductive system, and the developing fetus (*US EPA 2011; ATSDR 2013*). The immune system and the developing fetus are most sensitive to the toxic effects of TCE, as reductions in thymus weight (*Keil 2009*) and the development of fetal cardiac malformations (*Johnson 2003*) are the earliest observed adverse effects following low level exposures. Chronic TCE inhalation can also increase one's risk of developing certain cancers, especially cancer of the kidney, liver and lymphoid tissues (*US EPA 2011*).

Infants and the developing fetus may be more susceptible to the effects of TCE based on age-related differences in pharmacokinetics and the sensitivity of many developmental processes to toxic insults (*ATSDR 2013*). Children are likely to absorb greater amounts of TCE via inhalation due to their higher ventilation rate and alveolar surface area relative to body weight (*EPA 2008*). TCE is excreted into breast milk and crosses into the placenta, providing additional routes of exposure (*Pastino 2000*). Infants and small children also have a higher concentration of lipophilic compounds in their fat tissues (*NRC 1993*), which may result in a higher concentration of absorbed TCE in fat stores. For these reasons, it is especially important to limit the exposure of pregnant women and children to TCE. The majority of CCA residents are older adults, however, there are a few children and women of childbearing age that demand special attention in this case.

## Conclusions

Although elevated levels of TCE have previously been detected in the indoor air of both CCA units, the most recent samples collected by DHS and MHD did not detect TCE in any of the living areas of either apartment unit. The only TCE detect was in the first floor sump closet at 1003 West Atkinson Avenue. The detection limit for this analysis (0.43 ppbV) was slightly above VAL for TCE (0.39 ppbV); however, this small difference does not significantly change our conclusions. **Based on the most recent results, DHS concludes that the current conditions do not constitute a public health hazard to residents of the CCAs.**

## Recommendations

All windows were closed in the units where sampling occurred; however, these samples were collected on a warm summer day with windows open in the common areas and presumably, in some of the units not sampled. **Therefore, DHS recommends that consultants hired by St. Clare Management perform follow-up indoor air testing in 6 months when air exchange rates are reduced, preferably in the living areas of both CCA units.** Additionally, although there has been no off-site testing of soil and groundwater, on-site data suggests that there could be contamination beneath homes surrounding the site of the CCAs. **DHS recommends that consultants hired by St. Clare Management partner with DHS and MHD to attempt to gain access to these homes for the purpose of collecting sub-slab and indoor air samples for TO-15 analysis. Additionally, DHS and MHD request the opportunity to review the consultant's residential sampling plan prior to the collection of sub-slab and indoor air samples.**

If you would like to discuss this health assessment further, please contact me at the number below or via email. DHS will continue to assist in this investigation at your request.

Sincerely,



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Toxicologist  
Bureau of Environmental & Occupational Health  
Division of Public Health  
Department of Health Services  
608-267-3227  
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cc: Paul Biedrzycki, City of Milwaukee Health Department  
Terri Linder, City of Milwaukee Health Department  
Pam Mylotta, Wisconsin Department of Natural Resources  
Margaret Brunette, Wisconsin Department of Natural Resources

## References

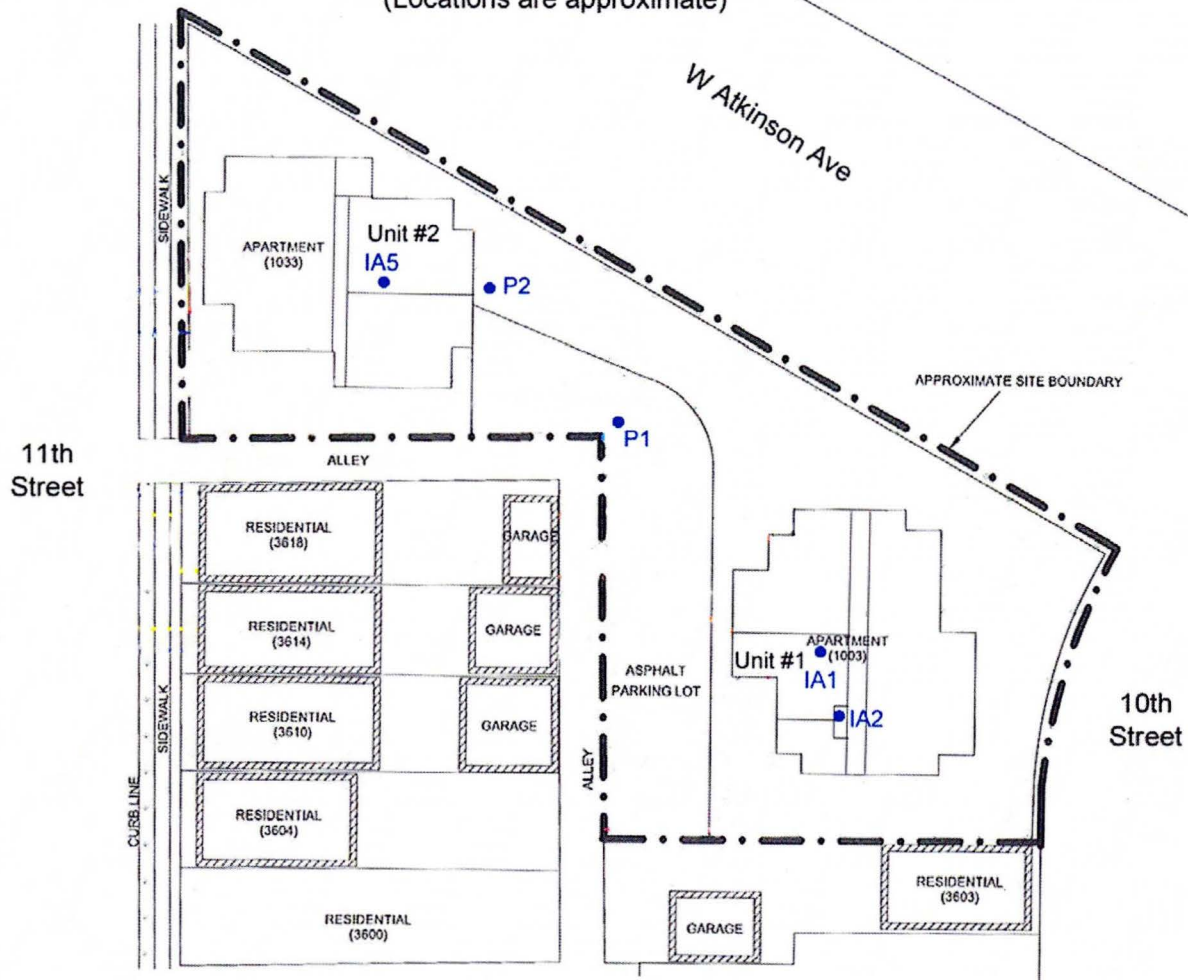
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Available online at [http://www.atsdr.cdc.gov/toxprofiles/tce\\_addendum.pdf](http://www.atsdr.cdc.gov/toxprofiles/tce_addendum.pdf)
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- National Research Council (NRC). 1993. Pesticides in the diets of infants and children. Washington, DC: National Academies Press. Available online at <http://www.nap.edu/openbook.php?isbn=0309048753>
- Pastino GM, Yap WY and Carroquino M. 2000. *Human variability and susceptibility to trichloroethylene.* Environmental Health Perspectives 108(suppl. 2):201-214.
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- U.S. Environmental Protection Agency (US EPA). 2011. Toxicological Review of Trichloroethylene (CASRN 79-01-6) in Support of Summary Information on the Integrated Risk Information System (IRIS). Available online at <http://www.epa.gov/iris/toxreviews/0199tr/0199tr.pdf>

# Appendix A. Map of sampling locations and photo log.

## Clare Central Air Sampling - July 17-18, 2013

### 1st Floor

(Locations are approximate)

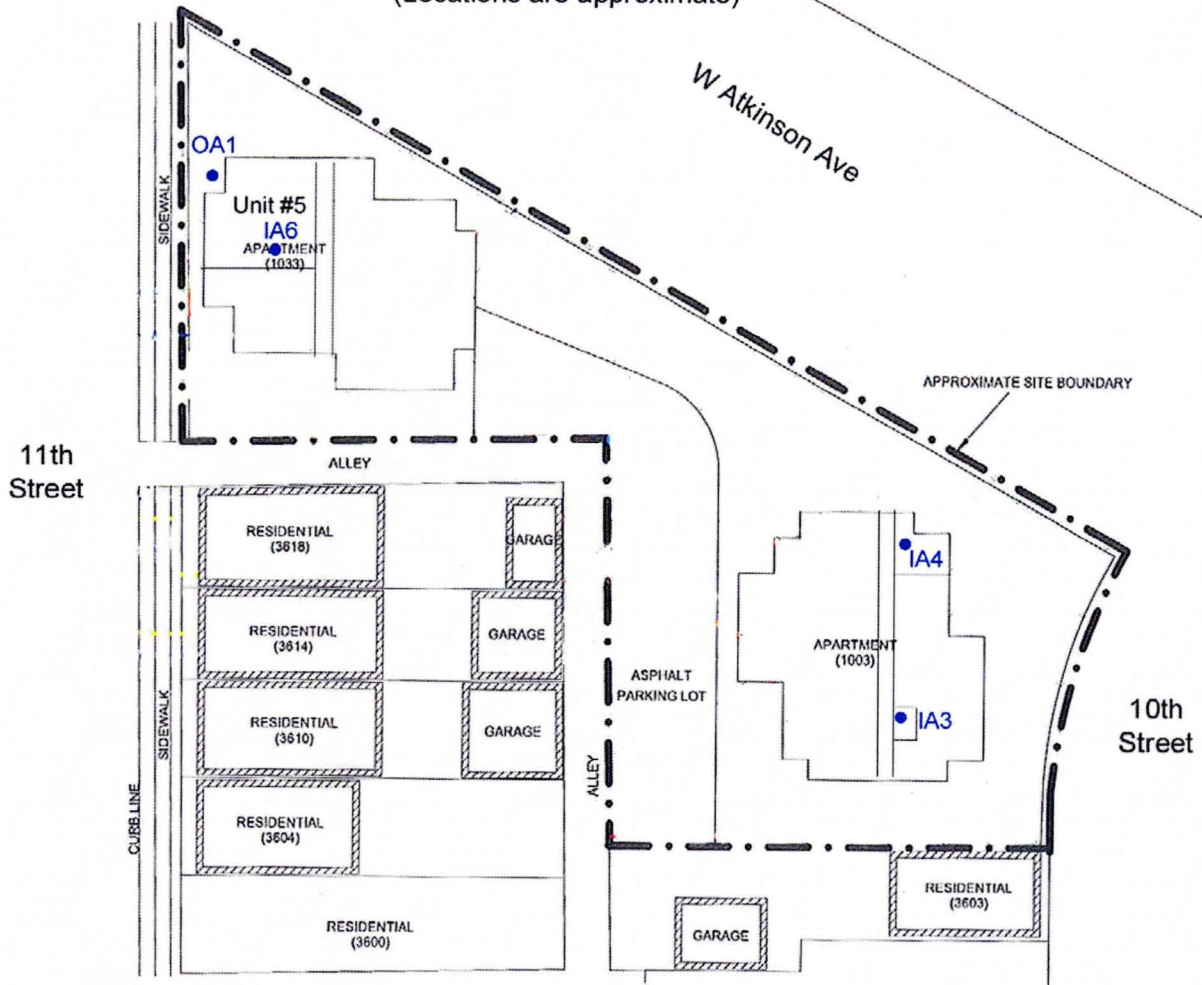


(Modified from p4 of 05-2011 Letter from Terracon to DNR)

# Clare Central Air Sampling - July 17-18, 2013

## 2nd Floor

(Locations are approximate)



(Modified from p4 of 05-2011 Letter from Terracon to DNR)

**Site Location:**

1003 W Atkinson Avenue Milwaukee, WI

**Date:**

07/17/2013

**Photo #**

1

**Description:**

View of 1003 W Atkinson Avenue (facing south)

Unit #1 is the bottom right unit.



**Site Location:**

1033 W Atkinson Avenue Milwaukee, WI

**Date:**

7/17/2013

**Photo #**

2

**Description:**

View of 1033 W Atkinson Ave, parking lot and alley. (Facing northwest from parking lot in front of 1003 W Atkinson Ave)

SSDS located on left side of building.

Unit #2 is on the lower right.

Location of outdoor PID reading 1 (P1) was in parking lot roughly near rear of grey car.





**Site Location:**

1033 W Atkinson Avenue Milwaukee, WI

**Date:**

07/17/2013

**Photo #**

3

**Description:**

View of 1033 W Atkinson Avenue, Parking Lot and Alley

(Facing west from lawn in front of 1003)

Unit #2 is the bottom right unit.

Location of outdoor PID reading 1 (P1) was in parking lot roughly near rear of grey car.



**Site Location:**

1033 W Atkinson Avenue Milwaukee, WI

**Date:**

07/17/2013

**Photo #**

4

**Description:**

View of 1033 W Atkinson Avenue

Facing northwest (along W Atkinson Ave) from sidewalk in front of 1003

Unit #2 is the bottom right unit.

Location of outdoor PID reading 2 (P2) taken approximately at Y-shaped sidewalk intersection.



**Site Location:**

1003 W Atkinson Avenue Unit #1 Kitchen Counter (IA1)

**Date:**

07/17/2013

**Photo #**

5

**Description:**

6 L Summa Canister on kitchen counter at start time.

Can #: ESS-6010

Regulator #: 5343



**Site Location:**

1003 W Atkinson Avenue Unit #1 Kitchen Counter (IA1)

**Date:**

07/17/2013

**Photo #**

6

**Description:**

6 L Summa Canister on kitchen counter at start time.

Can #: ESS-6010

Regulator #: 5343



**Site Location:**

1003 W Atkinson Avenue Sump Closet (IA2)

**Date:**

07/17/2013

**Photo #**

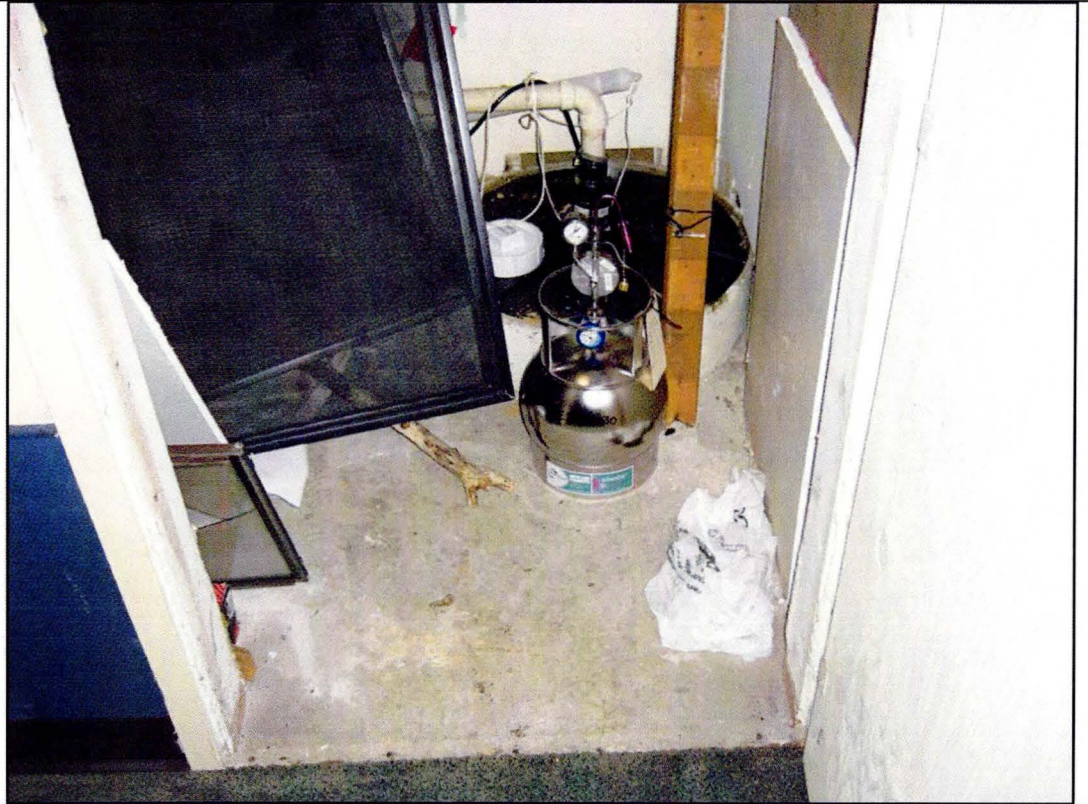
7

**Description:**

6 L Summa Canister in sump closet at start time.

Can #: ESS-6030

Regulator #: 5834



**Site Location:**

1003 W Atkinson Avenue Sump Closet (IA2)

**Date:**

07/17/2013

**Photo #**

8

**Description:**

6 L Summa Canister in sump closet at start time.

Can #: ESS-6030

Regulator #: 5834



**Site Location:**

1003 W Atkinson Avenue Sump Closet (IA2)

**Date:**

07/17/2013

**Photo #**

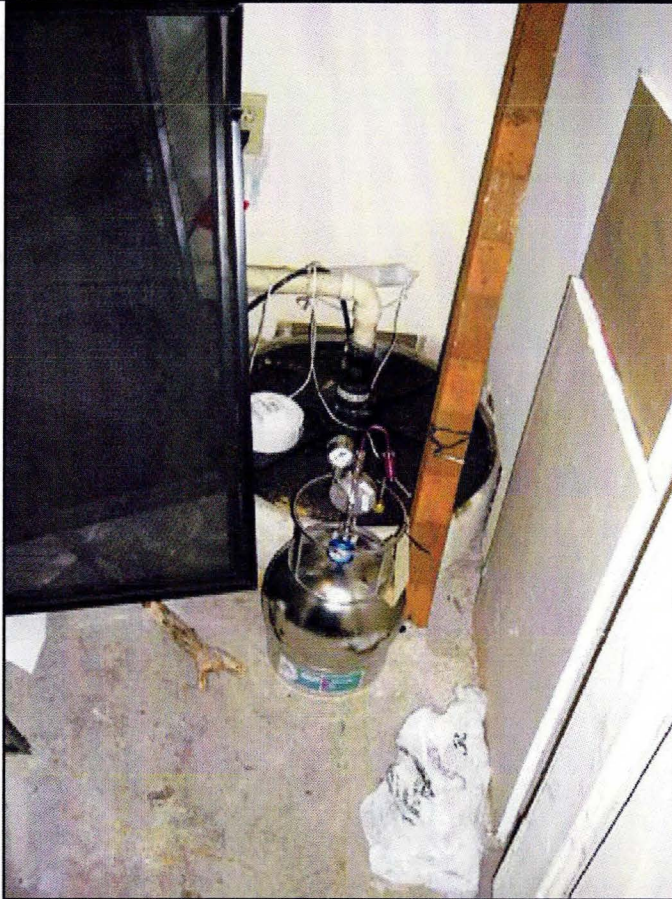
9

**Description:**

6 L Summa Canister in sump closet at start time.

Can #: ESS-6030

Regulator #: 5834



**Site Location:**

1003 W Atkinson Avenue Sump Closet (IA2)

**Date:**

07/17/2013

**Photo #**

10

**Description:**

6 L Summa Canister in sump closet at start time.

View of sub-slab sampling port.

Can #: ESS-6030

Regulator #: 5834



**Site Location:**

1003 W Atkinson Avenue Mechanical Closet (IA3)

**Date:**

07/17/2013

**Photo #**

11

**Description:**

6 L Summa Canister in mechanical closet (2<sup>nd</sup> floor) at start time.

Can #: ESS-6020

Regulator #: 5586



**Site Location:**

1003 W Atkinson Avenue Mechanical Closet (IA3)

**Date:**

07/17/2013

**Photo #**

12

**Description:**

6 L Summa Canister in mechanical closet (2<sup>nd</sup> floor) at start time.

Can #: ESS-6020

Regulator #: 5586



**Site Location:**

1003 W Atkinson Avenue Mechanical Closet (IA3)

**Date:**

07/17/2013

**Photo #**

13

**Description:**

Paints and cleaning products in mechanical closet (2<sup>nd</sup> floor)

Can #:

Regulator #:



**Site Location:**

1003 W Atkinson Avenue Storage Room (IA4)

**Date:**

07/17/2013

**Photo #**

14

**Description:**

6 L Summa Canister in storage room (2<sup>nd</sup> floor) at start time.

Can #: ESS-6040

Regulator #: 5400



**Site Location:**

1003 W Atkinson Avenue Storage Room (IA4)

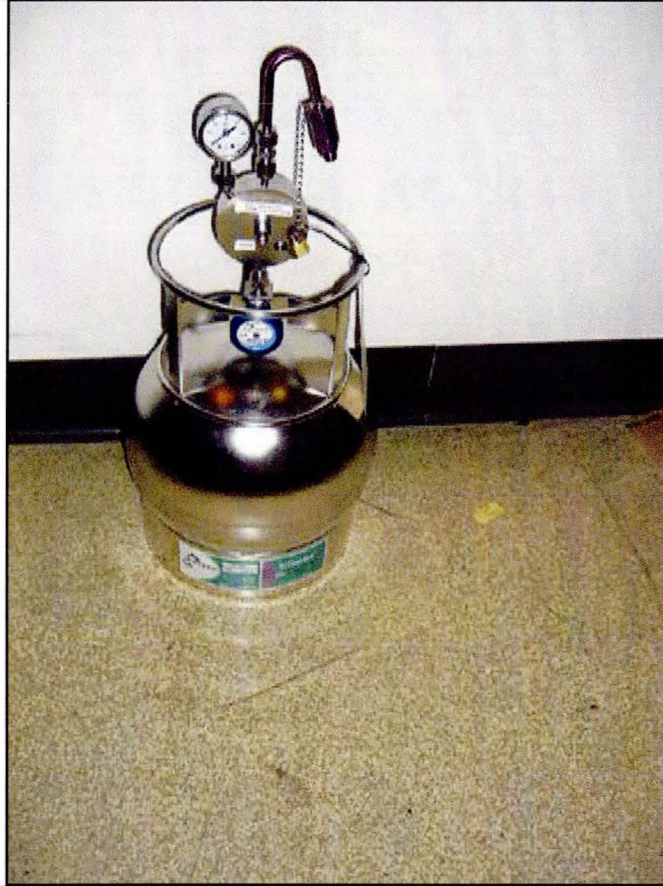
**Date:**  
07/17/2013

**Photo #**  
15

**Description:**

6 L Summa Canister in storage room (2<sup>nd</sup> floor) at start time.

Can #: ESS-6040  
Regulator #: 5400



**Site Location:**

1033 W Atkinson Avenue Unit #2 (IA5)

**Date:**  
07/17/2013

**Photo #**  
16

**Description:**

6 L Summa Canister on kitchen counter in Unit #2 at start time.

Can #: ESS-6035  
Regulator #: SN 1493

Bedroom and half of living room were painted on 7/13/13. Air conditioner was ventilating room, but was turned off during sampling.



**Site Location:**

1033 W Atkinson Avenue Unit #2 (IA5)

**Date:**

07/17/2013

**Photo #**

17

**Description:**

6 L Summa Canister on kitchen counter in Unit #2 at start time.

Can #: ESS-6035

Regulator #: SN 1493



**Site Location:**

1033 W Atkinson Avenue Unit #5 Porch (OA)

**Date:**

07/17/2013

**Photo #**

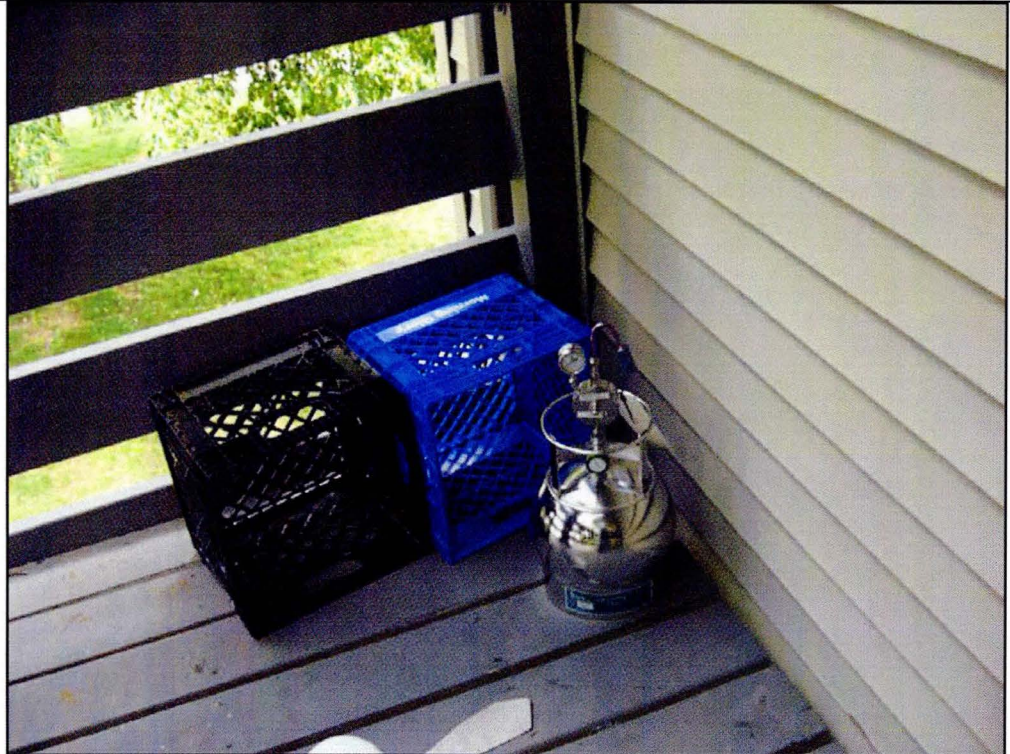
18

**Description:**

6 L Summa Canister on porch of Unit #5 (2<sup>nd</sup> floor) at start time.

Can #: DH-006

Regulator #: 5555





**Site Location:**

1033 W Atkinson Avenue Unit #5 Porch (OA)

**Date:**

07/17/2013

**Photo #**

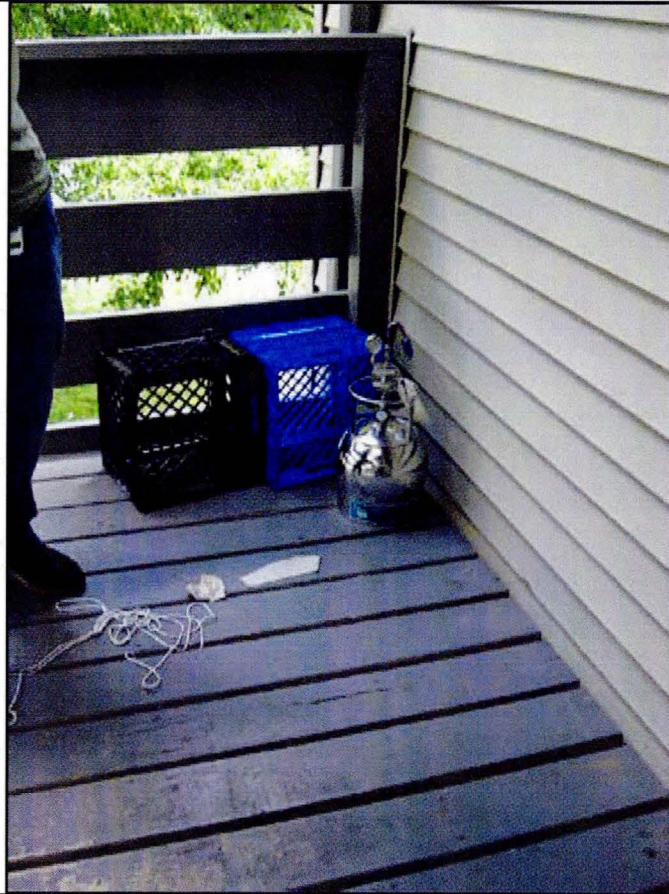
19

**Description:**

6 L Summa Canister on porch of Unit #5 (2<sup>nd</sup> floor) at start time.

Can #: DH-006

Regulator #: 5555



**Site Location:**

1033 W Atkinson Avenue Unit #5 (IA6)

**Date:**

07/17/2013

**Photo #**

20

**Description:**

6 L Summa Canister on kitchen counter of Unit #5 (2<sup>nd</sup> floor) at start time.

Can #: ESS-6039

Regulator #: 5398

Apartment smelled of stale cigarette smoke.



**Site Location:**

1033 W Atkinson Avenue Unit #5 (IA6)

**Date:**

07/17/2013

**Photo #**

21

**Description:**

6 L Summa Canister on kitchen counter of Unit #5 at start time.

Can #: ESS-6039

Regulator #: 5398



**Site Location:**

1033 W Atkinson Avenue Unit #5 (IA6)

**Date:**

07/17/2013

**Photo #**

22

**Description:**

6 L Summa Canister on kitchen counter of Unit #5 at start time.

Can #: ESS-6039

Regulator #: 5398

View of living room from kitchen sampling location.





Wisconsin State Laboratory of Hygiene  
 2601 Agriculture Drive, PO Box 7996  
 Madison, WI 53707-7996  
 (800)442-4618 • FAX (608)224-6213  
 http://www.slh.wisc.edu

# Laboratory Report

D.F. Kurtycz, M.D., Medical Director • Charles D. Brokopp, Dr.P.H., Director

Environmental Health Division

Organic Chemistry

WDNR LAB ID: 113133790

NELAP LAB ID: E37658

EPA LAB WI00007

WI DATCP ID: 105-415

**WSLH Sample: OY000262**

**WOZNIAK, RYAN**

Bill To

**1 W. WILSON ST., ROOM 150**

Customer ID: 325192

**MADISON, WI 53701**

Fee Exempt

ID#:

Waterbody/Outfall ID:

Point/Well:

Account #: DH060

Project No:

Date Received: 07/18/2013 15:08:00

Date Reported: 07/22/2013

Sample Reason:

Field #:

Collection Start: 07/17/2013 11:44:00

Collection End: 07/18/2013 11:30:00

Collected By: R. WOZNIAK

County:

Sample Source: INDOOR AIR

Sample Depth:

Sample Information:

Sample Location: 1003 W ATKINSON AVE, MILWAUKEE, WI

Sample Description: LEFT KITCHEN COUNTER UNIT # 1 (1ST FLOOR) IA1

Analyses and Results:

Analysis Date	Lab Comment				
07/22/2013 13:14:48	SEE OY000262.MM1				
Analysis Method	Result	Units	LOD	LOQ	Report Limit
PROPENE	*I< 2.7	PPB V	0.085	0.281	
DICHLORODIFLUOROMETHANE	*B 1.2	PPB V	0.085	0.281	
CHLOROMETHANE	1.23	PPB V	0.085	0.281	
1,2-DICHLOROTETRAFLUOROETHANE	*D< 0.43	PPB V	0.085	0.281	
VINYL CHLORIDE	*D< 0.43	PPB V	0.085	0.281	
1,3-BUTADIENE	*D< 0.43	PPB V	0.085	0.281	
BROMOMETHANE	*D< 0.43	PPB V	0.085	0.281	
CHLOROETHANE	*D< 0.43	PPB V	0.085	0.281	
ACROLEIN	*QL 5.7	PPB V	0.085	0.281	
ACETONE	*U 67.	PPB V	0.085	0.281	
HALOCARBON 11	16.6	PPB V	0.085	0.281	
1,1-DICHLOROETHENE	*D< 0.43	PPB V	0.085	0.281	
METHYLENE CHLORIDE	6.23	PPB V	0.085	0.281	



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# Laboratory Report

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Organic Chemistry

WDNR LAB ID: 113133790

NELAP LAB ID: E37658 EPA LAB WI00007

WI DATCP ID: 105-415

WSLH Sample: OY000262

Analysis Method	Result	Units	LOD	LOQ	Report Limit
CARBON DISULFIDE	*D< 0.43	PPB V	0.085	0.281	
1,1,2-TRICHLOROTRIFLUOROETHANE	*D< 0.43	PPB V	0.085	0.281	
TRANS-1,2-DICHLOROETHYLENE	*D< 0.43	PPB V	0.085	0.281	
1,1-DICHLOROETHANE	*D< 0.43	PPB V	0.085	0.281	
TERT-BUTYL METHYL ETHER	*D< 0.43	PPB V	0.085	0.281	
VINYL ACETATE	3.02	PPB V	0.085	0.281	
METHYL ETHYL KETONE	3.47	PPB V	0.085	0.281	
CIS-1,2-DICHLOROETHYLENE	*D< 0.43	PPB V	0.085	0.281	
HEXANE	*D< 0.43	PPB V	0.085	0.281	
CHLOROFORM	0.455	PPB V	0.085	0.281	
ETHYL ACETATE	1.65	PPB V	0.085	0.281	
TETRAHYDROFURAN	*D< 0.43	PPB V	0.085	0.281	
1,2-DICHLOROETHANE	*D< 0.43	PPB V	0.085	0.281	
1,1,1-TRICHLOROETHANE	*D< 0.43	PPB V	0.085	0.281	
BENZENE	0.985	PPB V	0.085	0.281	
CARBON TETRACHLORIDE	*D< 0.43	PPB V	0.085	0.281	
CYCLOHEXANE	*D< 0.43	PPB V	0.085	0.281	
1,2-DICHLOROPROPANE	*D< 0.43	PPB V	0.085	0.281	
BROMODICHLOROMETHANE	*D< 0.43	PPB V	0.085	0.281	
TRICHLOROETHYLENE	*D< 0.43	PPB V	0.085	0.281	
1,4-DIOXANE	*D< 0.43	PPB V	0.085	0.281	
HEPTANE	*D< 0.43	PPB V	0.085	0.281	
CIS-1,3-DICHLOROPROPENE	*D< 0.43	PPB V	0.085	0.281	
METHYL ISOBUTYL KETONE	*D< 0.43	PPB V	0.085	0.281	
TRANS-1,3-DICHLOROPROPENE	*D< 0.43	PPB V	0.085	0.281	
1,1,2-TRICHLOROETHANE	*D< 0.43	PPB V	0.085	0.281	
TOLUENE	4.18	PPB V	0.085	0.281	
METHYL N-BUTYL KETONE	*D< 0.43	PPB V	0.085	0.281	
DIBROMOCHLOROMETHANE	*D< 0.43	PPB V	0.085	0.281	
1,2-DIBROMOETHANE	*D< 0.43	PPB V	0.085	0.281	
TETRACHLOROETHYLENE	*D< 0.43	PPB V	0.085	0.281	



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# Laboratory Report

D.F. Kurtycz, M.D., Medical Director • Charles D. Brokopp, Dr.P.H., Director

Environmental Health Division

Organic Chemistry

WDNR LAB ID: 113133790

NELAP LAB ID: E37658 EPA LAB WI00007

WI DATCP ID: 105-415

WSLH Sample: OY000262

Analysis Method	Result	Units	LOD	LOQ	Report Limit
CHLOROBENZENE	*D< 0.43	PPB V	0.085	0.281	
ETHYLBENZENE	*D< 0.43	PPB V	0.085	0.281	
M/P-XYLENE	*D< 0.86	PPB V	0.170	0.561	
BROMOFORM	*D< 0.43	PPB V	0.085	0.281	
STYRENE	1.65	PPB V	0.085	0.281	
1,1,2,2-TETRACHLOROETHANE	*D< 0.43	PPB V	0.085	0.281	
O-XYLENE	*D< 0.43	PPB V	0.085	0.281	
1-ETHYL-4-METHYL BENZENE	*D< 0.43	PPB V	0.085	0.281	
1,3,5-TRIMETHYL BENZENE	*D< 0.43	PPB V	0.085	0.281	
1,2,4-TRIMETHYL BENZENE	*D< 0.43	PPB V	0.085	0.281	
CHLOROMETHYL BENZENE (ALPHA)	*D< 0.43	PPB V	0.085	0.281	
1,3-DICHLOROBENZENE	*D< 0.43	PPB V	0.085	0.281	
1,4-DICHLOROBENZENE	1.13	PPB V	0.085	0.281	
1,2-DICHLOROBENZENE	*D< 0.43	PPB V	0.085	0.281	
1,2,4-TRICHLOROBENZENE	*D< 0.43	PPB V	0.085	0.281	
HEXACHLORO-1,3-BUTADIENE	*D< 0.43	PPB V	0.085	0.281	

OY000262.MM1:

WISCONSIN STATE LABORATORY OF HYGIENE SAMPLE OY000262 CONTAINS THE FOLLOWING FLAGS.

LOD NOT ACHIEVABLE DUE TO DILUTION - \*D.

LOWER QC LIMIT FOR CALIBRATION CHECK EXCEEDED - \*QL.

INTERFERENCE INDICATED BY \*I.

COMPOUND DETECTED IN LAB BLANK INDICATED BY - \*B.

RESULTS ARE APPROXIMATE, ABOVE UPPER CALIBRATION RANGE - \*U.

IF YOU HAVE ANY QUESTIONS, CONTACT STEVE GEIS AT (608) 224-6269.



Wisconsin State Laboratory of Hygiene  
2601 Agriculture Drive, PO Box 7996  
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# Laboratory Report

D.F. Kurtycz, M.D., Medical Director • Charles D. Brokopp, Dr.P.H., Director

Environmental Health Division

Organic Chemistry

WDNR LAB ID: 113133790

NELAP LAB ID: E37658 EPA LAB WI00007

WI DATCP ID: 105-415

**WSLH Sample: OY000262**

Test results for NELAP accredited tests are certified to meet the requirements of the NELAC standards. For a list of accredited analytes see <http://www.slh.wisc.edu/nelap/>

**List of Abbreviations:**

LOD = Level of detection

LOQ = Level of quantification

ND = None detected. Results are less than the LOD

Responsible Party: *Steve Geis* Steve Geis, Chemist Supervisor

If there are questions about this report, please contact Steve Geis at 608-224-6269.

The results in this report apply only to the sample specifically listed above. This report is not to be reproduced except in full.



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# Laboratory Report

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Environmental Health Division

Organic Chemistry

WDNR LAB ID: 113133790

NELAP LAB ID: E37658

EPA LAB WI00007

WI DATCP ID: 105-415

**WSLH Sample: OY000261**

**WOZNIAK, RYAN**

Bill To

**1 W. WILSON ST., ROOM 150**

Customer ID: 325192

**MADISON, WI 53701**

Fee Exempt

ID#:

Waterbody/Outfall ID:

Point/Well:

Account #: DH060

Project No:

Date Received: 07/18/2013 15:08:00

Date Reported: 07/22/2013

Sample Reason:

Field #:

Collection Start: 07/17/2013 11:52:00

Collection End: 07/18/2013 11:41:00

Collected By: R. WOZNIAK

County:

Sample Source: INDOOR AIR

Sample Depth:

Sample Information:

Sample Location: 1003 W ATKINSON AVE, MILWAUKEE, WI

Sample Description: SUMP CLOSET (1ST FLOOR) IA2

Analyses and Results:

Analysis Date	Lab Comment				
07/19/2013	SEE OY000261.MM1				
Analysis Method	Result	Units	LOD	LOQ	Report Limit
PROPENE	*I< 3.0	PPB V	0.085	0.281	
DICHLORODIFLUOROMETHANE	*B 1.8	PPB V	0.085	0.281	
CHLOROMETHANE	0.920	PPB V	0.085	0.281	
1,2-DICHLOROTETRAFLUOROETHANE	*D< 0.43	PPB V	0.085	0.281	
VINYL CHLORIDE	*D< 0.43	PPB V	0.085	0.281	
1,3-BUTADIENE	*D< 0.43	PPB V	0.085	0.281	
BROMOMETHANE	*D< 0.43	PPB V	0.085	0.281	
CHLOROETHANE	*D< 0.43	PPB V	0.085	0.281	
ACROLEIN	*QL 3.6	PPB V	0.085	0.281	
ACETONE	31.6	PPB V	0.085	0.281	
HALOCARBON 11	5.87	PPB V	0.085	0.281	
1,1-DICHLOROETHENE	*D< 0.43	PPB V	0.085	0.281	
METHYLENE CHLORIDE	36.7	PPB V	0.085	0.281	



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# Laboratory Report

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Environmental Health Division

Organic Chemistry

WDNR LAB ID: 113133790

NELAP LAB ID: E37658 EPA LAB WI00007

WI DATCP ID: 105-415

WSLH Sample: OY000261

Analysis Method	Result	Units	LOD	LOQ	Report Limit
CARBON DISULFIDE	*D< 0.43	PPB V	0.085	0.281	
1,1,2-TRICHLOROTRIFLUOROETHANE	*D< 0.43	PPB V	0.085	0.281	
TRANS-1,2-DICHLOROETHYLENE	*D< 0.43	PPB V	0.085	0.281	
1,1-DICHLOROETHANE	*D< 0.43	PPB V	0.085	0.281	
TERT-BUTYL METHYL ETHER	*D< 0.43	PPB V	0.085	0.281	
VINYL ACETATE	2.29	PPB V	0.085	0.281	
METHYL ETHYL KETONE	3.00	PPB V	0.085	0.281	
CIS-1,2-DICHLOROETHYLENE	*D< 0.43	PPB V	0.085	0.281	
HEXANE	*D< 0.43	PPB V	0.085	0.281	
CHLOROFORM	*D< 0.43	PPB V	0.085	0.281	
ETHYL ACETATE	1.32	PPB V	0.085	0.281	
TETRAHYDROFURAN	*D< 0.43	PPB V	0.085	0.281	
1,2-DICHLOROETHANE	*D< 0.43	PPB V	0.085	0.281	
1,1,1-TRICHLOROETHANE	*D< 0.43	PPB V	0.085	0.281	
BENZENE	0.933	PPB V	0.085	0.281	
CARBON TETRACHLORIDE	*D< 0.43	PPB V	0.085	0.281	
CYCLOHEXANE	*D< 0.43	PPB V	0.085	0.281	
1,2-DICHLOROPROPANE	*D< 0.43	PPB V	0.085	0.281	
BROMODICHLOROMETHANE	*D< 0.43	PPB V	0.085	0.281	
TRICHLOROETHYLENE	0.894	PPB V	0.085	0.281	
1,4-DIOXANE	*D< 0.43	PPB V	0.085	0.281	
HEPTANE	*D< 0.43	PPB V	0.085	0.281	
CIS-1,3-DICHLOROPROPENE	*D< 0.43	PPB V	0.085	0.281	
METHYL ISOBUTYL KETONE	*D< 0.43	PPB V	0.085	0.281	
TRANS-1,3-DICHLOROPROPENE	*D< 0.43	PPB V	0.085	0.281	
1,1,2-TRICHLOROETHANE	*D< 0.43	PPB V	0.085	0.281	
TOLUENE	1.52	PPB V	0.085	0.281	
METHYL N-BUTYL KETONE	*D< 0.43	PPB V	0.085	0.281	
DIBROMOCHLOROMETHANE	*D< 0.43	PPB V	0.085	0.281	
1,2-DIBROMOETHANE	*D< 0.43	PPB V	0.085	0.281	
TETRACHLOROETHYLENE	*D< 0.43	PPB V	0.085	0.281	





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# Laboratory Report

D.F. Kurtycz, M.D., Medical Director • Charles D. Brokopp, Dr.P.H., Director

Environmental Health Division

Organic Chemistry

WDNR LAB ID: 113133790

NELAP LAB ID: E37658 EPA LAB WI00007

WI DATCP ID: 105-415

WSLH Sample: OY000261

Analysis Method	Result	Units	LOD	LOQ	Report Limit
CHLOROBENZENE	*D< 0.43	PPB V	0.085	0.281	
ETHYLBENZENE	*D< 0.43	PPB V	0.085	0.281	
M/P-XYLENE	*D< 0.86	PPB V	0.170	0.561	
BROMOFORM	*D< 0.43	PPB V	0.085	0.281	
STYRENE	1.48	PPB V	0.085	0.281	
1,1,2,2-TETRACHLOROETHANE	*D< 0.43	PPB V	0.085	0.281	
O-XYLENE	*D< 0.43	PPB V	0.085	0.281	
1-ETHYL-4-METHYL BENZENE	*D< 0.43	PPB V	0.085	0.281	
1,3,5-TRIMETHYL BENZENE	*D< 0.43	PPB V	0.085	0.281	
1,2,4-TRIMETHYL BENZENE	*D< 0.43	PPB V	0.085	0.281	
CHLOROMETHYL BENZENE (ALPHA)	*D< 0.43	PPB V	0.085	0.281	
1,3-DICHLOROBENZENE	*D< 0.43	PPB V	0.085	0.281	
1,4-DICHLOROBENZENE	1.20	PPB V	0.085	0.281	
1,2-DICHLOROBENZENE	*D< 0.43	PPB V	0.085	0.281	
1,2,4-TRICHLOROBENZENE	*D< 0.43	PPB V	0.085	0.281	
HEXACHLORO-1,3-BUTADIENE	*D< 0.43	PPB V	0.085	0.281	

OY000261.MM1:

WISCONSIN STATE LABORATORY OF HYGIENE SAMPLE OY000261 CONTAINS THE FOLLOWING FLAGS.

LOD NOT ACHIEVABLE DUE TO DILUTION - \*D.  
 LOWER QC LIMIT FOR CALIBRATION CHECK EXCEEDED - \*QL.  
 INTERFERENCE INDICATED BY \*I.  
 COMPOUND DETECTED IN LAB BLANK INDICATED BY - \*B.

IF YOU HAVE ANY QUESTIONS, CONTACT STEVE GEIS AT (608) 224-6269.



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# Laboratory Report

D.F. Kurtycz, M.D., Medical Director • Charles D. Brokopp, Dr.P.H., Director

Environmental Health Division

Organic Chemistry

WDNR LAB ID: 113133790

NELAP LAB ID: E37658 EPA LAB WI00007

WI DATCP ID: 105-415

**WSLH Sample: OY000261**

Test results for NELAP accredited tests are certified to meet the requirements of the NELAC standards. For a list of accredited analytes see <http://www.slh.wisc.edu/nelap/>

**List of Abbreviations:**

LOD = Level of detection

LOQ = Level of quantification

ND = None detected. Results are less than the LOD

Responsible Party: Steve Geis Steve Geis, Chemist Supervisor

If there are questions about this report, please contact Steve Geis at 608-224-6269.

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Report #: 9555880



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# Laboratory Report

D.F. Kurtycz, M.D., Medical Director • Charles D. Brokopp, Dr.P.H., Director

Environmental Health Division

Organic Chemistry

WDNR LAB ID: 113133790

NELAP LAB ID: E37658

EPA LAB WI00007

WI DATCP ID: 105-415

**WSLH Sample: OY000259**

**WOZNIAK, RYAN**

**1 W. WILSON ST., ROOM 150**

**MADISON, WI 53701**

Bill To

Customer ID: 325192

Fee Exempt

ID#:

Waterbody/Outfall ID:

Point/Well:

Account #: DH060

Project No:

Date Received: 07/18/2013 15:08:00

Date Reported: 07/22/2013

Sample Reason:

Field #:

Collection Start: 07/17/2013 11:58:00

Collection End: 07/18/2013 11:48:00

Collected By: R. WOZNIAK

County:

Sample Source: INDOOR AIR

Sample Depth:

Sample Information:

Sample Location: 1003 W ATKINSON AVE, MILWAUKEE, WI

Sample Description: 2ND FLOOR MECHANICAL CLOSET IA3

Analyses and Results:

Analysis Date	Lab Comment				
07/22/2013 13:14:05	SEE OY000259.MM1				
Analysis Method	Result	Units	LOD	LOQ	Report Limit
PROPENE	*I< 2.9	PPB V	0.085	0.281	
DICHLORODIFLUOROMETHANE	*B 0.95	PPB V	0.085	0.281	
CHLOROMETHANE	0.868	PPB V	0.085	0.281	
1,2-DICHLOROTETRAFLUROETHANE	*D< 0.43	PPB V	0.085	0.281	
VINYL CHLORIDE	*D< 0.43	PPB V	0.085	0.281	
1,3-BUTADIENE	*D< 0.43	PPB V	0.085	0.281	
BROMOMETHANE	*D< 0.43	PPB V	0.085	0.281	
CHLOROETHANE	*D< 0.43	PPB V	0.085	0.281	
ACROLEIN	*QL 4.0	PPB V	0.085	0.281	
ACETONE	27.8	PPB V	0.085	0.281	
HALOCARBON 11	3.58	PPB V	0.085	0.281	
1,1-DICHLOROETHENE	*D< 0.43	PPB V	0.085	0.281	
METHYLENE CHLORIDE	2.19	PPB V	0.085	0.281	



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# Laboratory Report

D.F. Kurtycz, M.D., Medical Director • Charles D. Brokopp, Dr.P.H., Director

Environmental Health Division

Organic Chemistry

WDNR LAB ID: 113133790

NELAP LAB ID: E37658 EPA LAB WI00007

WI DATCP ID: 105-415

WSLH Sample: OY000259

Analysis Method	Result	Units	LOD	LOQ	Report Limit
CARBON DISULFIDE	*D< 0.43	PPB V	0.085	0.281	
1,1,2-TRICHLOROTRIFLUOROETHANE	*D< 0.43	PPB V	0.085	0.281	
TRANS-1,2-DICHLOROETHYLENE	*D< 0.43	PPB V	0.085	0.281	
1,1-DICHLOROETHANE	*D< 0.43	PPB V	0.085	0.281	
TERT-BUTYL METHYL ETHER	*D< 0.43	PPB V	0.085	0.281	
VINYL ACETATE	2.25	PPB V	0.085	0.281	
METHYL ETHYL KETONE	2.53	PPB V	0.085	0.281	
CIS-1,2-DICHLOROETHYLENE	*D< 0.43	PPB V	0.085	0.281	
HEXANE	*D< 0.43	PPB V	0.085	0.281	
CHLOROFORM	*D< 0.43	PPB V	0.085	0.281	
ETHYL ACETATE	*D< 0.43	PPB V	0.085	0.281	
TETRAHYDROFURAN	*D< 0.43	PPB V	0.085	0.281	
1,2-DICHLOROETHANE	*D< 0.43	PPB V	0.085	0.281	
1,1,1-TRICHLOROETHANE	*D< 0.43	PPB V	0.085	0.281	
BENZENE	0.895	PPB V	0.085	0.281	
CARBON TETRACHLORIDE	*D< 0.43	PPB V	0.085	0.281	
CYCLOHEXANE	*D< 0.43	PPB V	0.085	0.281	
1,2-DICHLOROPROPANE	*D< 0.43	PPB V	0.085	0.281	
BROMODICHLOROMETHANE	*D< 0.43	PPB V	0.085	0.281	
TRICHLOROETHYLENE	*D< 0.43	PPB V	0.085	0.281	
1,4-DIOXANE	*D< 0.43	PPB V	0.085	0.281	
HEPTANE	*D< 0.43	PPB V	0.085	0.281	
CIS-1,3-DICHLOROPROPENE	*D< 0.43	PPB V	0.085	0.281	
METHYL ISOBUTYL KETONE	*D< 0.43	PPB V	0.085	0.281	
TRANS-1,3-DICHLOROPROPENE	*D< 0.43	PPB V	0.085	0.281	
1,1,2-TRICHLOROETHANE	*D< 0.43	PPB V	0.085	0.281	
TOLUENE	1.08	PPB V	0.085	0.281	
METHYL N-BUTYL KETONE	*D< 0.43	PPB V	0.085	0.281	
DIBROMOCHLOROMETHANE	*D< 0.43	PPB V	0.085	0.281	
1,2-DIBROMOETHANE	*D< 0.43	PPB V	0.085	0.281	
TETRACHLOROETHYLENE	*D< 0.43	PPB V	0.085	0.281	



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# Laboratory Report

D.F. Kurtycz, M.D., Medical Director • Charles D. Brokopp, Dr.P.H., Director

Environmental Health Division

Organic Chemistry

WDNR LAB ID: 113133790

NELAP LAB ID: E37658 EPA LAB WI00007

WI DATCP ID: 105-415

WSLH Sample: OY000259

Analysis Method	Result	Units	LOD	LOQ	Report Limit
CHLOROBENZENE	*D< 0.43	PPB V	0.085	0.281	
ETHYLBENZENE	*D< 0.43	PPB V	0.085	0.281	
M/P-XYLENE	*D< 0.86	PPB V	0.170	0.561	
BROMOFORM	*D< 0.43	PPB V	0.085	0.281	
STYRENE	*D< 0.43	PPB V	0.085	0.281	
1,1,2,2-TETRACHLOROETHANE	*D< 0.43	PPB V	0.085	0.281	
O-XYLENE	*D< 0.43	PPB V	0.085	0.281	
1-ETHYL-4-METHYL BENZENE	*D< 0.43	PPB V	0.085	0.281	
1,3,5-TRIMETHYL BENZENE	*D< 0.43	PPB V	0.085	0.281	
1,2,4-TRIMETHYL BENZENE	*D< 0.43	PPB V	0.085	0.281	
CHLOROMETHYL BENZENE (ALPHA)	*D< 0.43	PPB V	0.085	0.281	
1,3-DICHLOROBENZENE	*D< 0.43	PPB V	0.085	0.281	
1,4-DICHLOROBENZENE	1.14	PPB V	0.085	0.281	
1,2-DICHLOROBENZENE	*D< 0.43	PPB V	0.085	0.281	
1,2,4-TRICHLOROBENZENE	*D< 0.43	PPB V	0.085	0.281	
HEXACHLORO-1,3-BUTADIENE	*D< 0.43	PPB V	0.085	0.281	

OY000259.MM1:

WISCONSIN STATE LABORATORY OF HYGIENE SAMPLE OY000259 CONTAINS THE FOLLOWING FLAGS.

LOD NOT ACHIEVABLE DUE TO DILUTION - \*D.

LOWER QC LIMIT FOR CALIBRATION CHECK EXCEEDED - \*QL.

INTERFERENCE INDICATED BY \*I.

COMPOUND DETECTED IN LAB BLANK INDICATED BY - \*B.

IF YOU HAVE ANY QUESTIONS, CONTACT STEVE GEIS AT (608) 224-6269.



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# Laboratory Report

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Environmental Health Division

Organic Chemistry

WDNR LAB ID: 113133790

NELAP LAB ID: E37658 EPA LAB WI00007

WI DATCP ID: 105-415

**WSLH Sample: OY000259**

Test results for NELAP accredited tests are certified to meet the requirements of the NELAC standards. For a list of accredited analytes see <http://www.slh.wisc.edu/nelap/>

**List of Abbreviations:**

LOD = Level of detection

LOQ = Level of quantification

ND = None detected. Results are less than the LOD

Responsible Party: *Steve Geis* Steve Geis, Chemist Supervisor

If there are questions about this report, please contact Steve Geis at 608-224-6269.

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Report #: 9555878



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# Laboratory Report

D.F. Kurtycz, M.D., Medical Director • Charles D. Brokopp, Dr.P.H., Director

Environmental Health Division

Organic Chemistry

WDNR LAB ID: 113133790

NELAP LAB ID: E37658

EPA LAB WI00007

WI DATCP ID: 105-415

**WSLH Sample: OY000260**

**WOZNIAK, RYAN**

Bill To

**1 W. WILSON ST., ROOM 150**

Customer ID: 325192

**MADISON, WI 53701**

Fee Exempt

ID#:

Waterbody/Outfall ID:

Point/Well:

Account #: DH060

Project No:

Date Received: 07/18/2013 15:08:00

Date Reported: 07/22/2013

Sample Reason:

Field #:

Collection Start: 07/17/2013 12:01:00

Collection End: 07/18/2013 11:49:00

Collected By: R. WOZNIAK

County:

Sample Source: INDOOR AIR

Sample Depth:

Sample Information:

Sample Location: 1003 W ATKINSON AVE, MILWAUKEE, WI

Sample Description: 2ND FLOOR STORAGE ROOM IA4

Analyses and Results:

Analysis Date	Lab Comment				
07/19/2013	SEE OY000260.MM1				
Analysis Method	Result	Units	LOD	LOQ	Report Limit
PROPENE	*I< 3.9	PPB V	0.085	0.281	
DICHLORODIFLUOROMETHANE	*B 0.59	PPB V	0.085	0.281	
CHLOROMETHANE	0.936	PPB V	0.085	0.281	
1,2-DICHLOROTETRAFLUOROETHANE	*D< 0.43	PPB V	0.085	0.281	
VINYL CHLORIDE	*D< 0.43	PPB V	0.085	0.281	
1,3-BUTADIENE	*D< 0.43	PPB V	0.085	0.281	
BROMOMETHANE	*D< 0.43	PPB V	0.085	0.281	
CHLOROETHANE	*D< 0.43	PPB V	0.085	0.281	
ACROLEIN	*QL 4.2	PPB V	0.085	0.281	
ACETONE	36.2	PPB V	0.085	0.281	
HALOCARBON 11	4.05	PPB V	0.085	0.281	
1,1-DICHLOROETHENE	*D< 0.43	PPB V	0.085	0.281	
METHYLENE CHLORIDE	3.50	PPB V	0.085	0.281	



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# Laboratory Report

D.F. Kurtycz, M.D., Medical Director • Charles D. Brokopp, Dr.P.H., Director

Environmental Health Division

Organic Chemistry

WDNR LAB ID: 113133790

NELAP LAB ID: E37658 EPA LAB WI00007

WI DATCP ID: 105-415

WSLH Sample: OY000260

Analysis Method	Result	Units	LOD	LOQ	Report Limit
CARBON DISULFIDE	*D< 0.43	PPB V	0.085	0.281	
1,1,2-TRICHLOROTRIFLUOROETHANE	*D< 0.43	PPB V	0.085	0.281	
TRANS-1,2-DICHLOROETHYLENE	*D< 0.43	PPB V	0.085	0.281	
1,1-DICHLOROETHANE	*D< 0.43	PPB V	0.085	0.281	
TERT-BUTYL METHYL ETHER	*D< 0.43	PPB V	0.085	0.281	
VINYL ACETATE	2.78	PPB V	0.085	0.281	
METHYL ETHYL KETONE	2.72	PPB V	0.085	0.281	
CIS-1,2-DICHLOROETHYLENE	*D< 0.43	PPB V	0.085	0.281	
HEXANE	*D< 0.43	PPB V	0.085	0.281	
CHLOROFORM	*D< 0.43	PPB V	0.085	0.281	
ETHYL ACETATE	1.51	PPB V	0.085	0.281	
TETRAHYDROFURAN	1.86	PPB V	0.085	0.281	
1,2-DICHLOROETHANE	*D< 0.43	PPB V	0.085	0.281	
1,1,1-TRICHLOROETHANE	*D< 0.43	PPB V	0.085	0.281	
BENZENE	0.939	PPB V	0.085	0.281	
CARBON TETRACHLORIDE	*D< 0.43	PPB V	0.085	0.281	
CYCLOHEXANE	*D< 0.43	PPB V	0.085	0.281	
1,2-DICHLOROPROPANE	*D< 0.43	PPB V	0.085	0.281	
BROMODICHLOROMETHANE	*D< 0.43	PPB V	0.085	0.281	
TRICHLOROETHYLENE	*D< 0.43	PPB V	0.085	0.281	
1,4-DIOXANE	*D< 0.43	PPB V	0.085	0.281	
HEPTANE	*D< 0.43	PPB V	0.085	0.281	
CIS-1,3-DICHLOROPROPENE	*D< 0.43	PPB V	0.085	0.281	
METHYL ISOBUTYL KETONE	*D< 0.43	PPB V	0.085	0.281	
TRANS-1,3-DICHLOROPROPENE	*D< 0.43	PPB V	0.085	0.281	
1,1,2-TRICHLOROETHANE	*D< 0.43	PPB V	0.085	0.281	
TOLUENE	1.49	PPB V	0.085	0.281	
METHYL N-BUTYL KETONE	*D< 0.43	PPB V	0.085	0.281	
DIBROMOCHLOROMETHANE	*D< 0.43	PPB V	0.085	0.281	
1,2-DIBROMOETHANE	*D< 0.43	PPB V	0.085	0.281	
TETRACHLOROETHYLENE	*D< 0.43	PPB V	0.085	0.281	





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# Laboratory Report

D.F. Kurtycz, M.D., Medical Director • Charles D. Brokopp, Dr.P.H., Director

Environmental Health Division

Organic Chemistry

WDNR LAB ID: 113133790

NELAP LAB ID: E37658

EPA LAB WI00007

WI DATCP ID: 105-415

WSLH Sample: OY000260

Analysis Method	Result	Units	LOD	LOQ	Report Limit
CHLOROBENZENE	*D< 0.43	PPB V	0.085	0.281	
ETHYLBENZENE	*D< 0.43	PPB V	0.085	0.281	
M/P-XYLENE	1.31	PPB V	0.170	0.561	
BROMOFORM	*D< 0.43	PPB V	0.085	0.281	
STYRENE	1.48	PPB V	0.085	0.281	
1,1,2,2-TETRACHLOROETHANE	*D< 0.43	PPB V	0.085	0.281	
O-XYLENE	*D< 0.43	PPB V	0.085	0.281	
1-ETHYL-4-METHYL BENZENE	*D< 0.43	PPB V	0.085	0.281	
1,3,5-TRIMETHYL BENZENE	*D< 0.43	PPB V	0.085	0.281	
1,2,4-TRIMETHYL BENZENE	*D< 0.43	PPB V	0.085	0.281	
CHLOROMETHYL BENZENE (ALPHA)	*D< 0.43	PPB V	0.085	0.281	
1,3-DICHLOROBENZENE	*D< 0.43	PPB V	0.085	0.281	
1,4-DICHLOROBENZENE	3.24	PPB V	0.085	0.281	
1,2-DICHLOROBENZENE	*D< 0.43	PPB V	0.085	0.281	
1,2,4-TRICHLOROBENZENE	*D< 0.43	PPB V	0.085	0.281	
HEXACHLORO-1,3-BUTADIENE	*D< 0.43	PPB V	0.085	0.281	

OY000260.MM1:

WISCONSIN STATE LABORATORY OF HYGIENE SAMPLE OY000260 CONTAINS THE FOLLOWING FLAGS.

LOD NOT ACHIEVABLE DUE TO DILUTION - \*D.

LOWER QC LIMIT FOR CALIBRATION CHECK EXCEEDED - \*QL.

INTERFERENCE INDICATED BY \*I.

COMPOUND DETECTED IN LAB BLANK INDICATED BY - \*B.

IF YOU HAVE ANY QUESTIONS, CONTACT STEVE GEIS AT (608) 224-6269.



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# Laboratory Report

D.F. Kurtycz, M.D., Medical Director • Charles D. Brokopp, Dr.P.H., Director

Environmental Health Division

Organic Chemistry

WDNR LAB ID: 113133790

NELAP LAB ID: E37658

EPA LAB WI00007

WI DATCP ID: 105-415

**WSLH Sample: OY000260**

Test results for NELAP accredited tests are certified to meet the requirements of the NELAC standards. For a list of accredited analytes see <http://www.slh.wisc.edu/nelap/>

**List of Abbreviations:**

LOD = Level of detection

LOQ = Level of quantification

ND = None detected. Results are less than the LOD

Responsible Party: Steve Geis Steve Geis, Chemist Supervisor

If there are questions about this report, please contact Steve Geis at 608-224-6269.

The results in this report apply only to the sample specifically listed above. This report is not to be reproduced except in full.

Report #: 9555879



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# Laboratory Report

D.F. Kurtycz, M.D., Medical Director • Charles D. Brokopp, Dr.P.H., Director

Environmental Health Division

Organic Chemistry

WDNR LAB ID: 113133790

NELAP LAB ID: E37658 EPA LAB WI00007

WI DATCP ID: 105-415

**WSLH Sample: OY000257**

**WOZNIAK, RYAN**

**1 W. WILSON ST., ROOM 150**

**MADISON, WI 53701**

Bill To

Customer ID: 325192

Fee Exempt

ID#:

Waterbody/Outfall ID:

Point/Well:

Account #: DH060

Project No:

Date Received: 07/18/2013 15:08:00

Date Reported: 07/22/2013

Sample Reason:

Field #:

Collection Start: 07/17/2013 12:08:00

Collection End: 07/18/2013 11:59:00

Collected By: R. WOZNIAK

County:

Sample Source: INDOOR AIR

Sample Depth:

Sample Information:

Sample Location: 1033 W ATKINSON AVE, MILWAUKEE, WI

Sample Description: UNIT # 2 KITCHEN COUNTER (1ST FLOOR) IA5

Analyses and Results:

Analysis Date	Lab Comment				
07/19/2013	SEE OY000257.MM1				
Analysis Method	Result	Units	LOD	LOQ	Report Limit
PROPENE	*I< 4.2	PPB V	0.085	0.281	
DICHLORODIFLUOROMETHANE	*B 0.82	PPB V	0.085	0.281	
CHLOROMETHANE	*I< 1.3	PPB V	0.085	0.281	
1,2-DICHLOROTETRAFLUOROETHANE	*D< 0.43	PPB V	0.085	0.281	
VINYL CHLORIDE	*D< 0.43	PPB V	0.085	0.281	
1,3-BUTADIENE	*D< 0.43	PPB V	0.085	0.281	
BROMOMETHANE	*D< 0.43	PPB V	0.085	0.281	
CHLOROETHANE	*D< 0.43	PPB V	0.085	0.281	
ACROLEIN	*QL 4.9	PPB V	0.085	0.281	
ACETONE	43.3	PPB V	0.085	0.281	
HALOCARBON 11	9.11	PPB V	0.085	0.281	
1,1-DICHLOROETHENE	*D< 0.43	PPB V	0.085	0.281	
METHYLENE CHLORIDE	*D< 0.43	PPB V	0.085	0.281	



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# Laboratory Report

D.F. Kurtycz, M.D., Medical Director • Charles D. Brokopp, Dr.P.H., Director

Environmental Health Division

Organic Chemistry

WDNR LAB ID: 113133790

NELAP LAB ID: E37658 EPA LAB WI00007

WI DATCP ID: 105-415

WSLH Sample: OY000257

Analysis Method	Result	Units	LOD	LOQ	Report Limit
CARBON DISULFIDE	*D< 0.43	PPB V	0.085	0.281	
1,1,2-TRICHLOROTRIFLUOROETHANE	*D< 0.43	PPB V	0.085	0.281	
TRANS-1,2-DICHLOROETHYLENE	*D< 0.43	PPB V	0.085	0.281	
1,1-DICHLOROETHANE	*D< 0.43	PPB V	0.085	0.281	
TERT-BUTYL METHYL ETHER	*D< 0.43	PPB V	0.085	0.281	
VINYL ACETATE	2.71	PPB V	0.085	0.281	
METHYL ETHYL KETONE	2.76	PPB V	0.085	0.281	
CIS-1,2-DICHLOROETHYLENE	*D< 0.43	PPB V	0.085	0.281	
HEXANE	*D< 0.43	PPB V	0.085	0.281	
CHLOROFORM	*D< 0.43	PPB V	0.085	0.281	
ETHYL ACETATE	2.48	PPB V	0.085	0.281	
TETRAHYDROFURAN	*D< 0.43	PPB V	0.085	0.281	
1,2-DICHLOROETHANE	*D< 0.43	PPB V	0.085	0.281	
1,1,1-TRICHLOROETHANE	*D< 0.43	PPB V	0.085	0.281	
BENZENE	1.11	PPB V	0.085	0.281	
CARBON TETRACHLORIDE	*D< 0.43	PPB V	0.085	0.281	
CYCLOHEXANE	*D< 0.43	PPB V	0.085	0.281	
1,2-DICHLOROPROPANE	*D< 0.43	PPB V	0.085	0.281	
BROMODICHLOROMETHANE	*D< 0.43	PPB V	0.085	0.281	
TRICHLOROETHYLENE	*D< 0.43	PPB V	0.085	0.281	
1,4-DIOXANE	*D< 0.43	PPB V	0.085	0.281	
HEPTANE	*D< 0.43	PPB V	0.085	0.281	
CIS-1,3-DICHLOROPROPENE	*D< 0.43	PPB V	0.085	0.281	
METHYL ISOBUTYL KETONE	*D< 0.43	PPB V	0.085	0.281	
TRANS-1,3-DICHLOROPROPENE	*D< 0.43	PPB V	0.085	0.281	
1,1,2-TRICHLOROETHANE	*D< 0.43	PPB V	0.085	0.281	
TOLUENE	1.65	PPB V	0.085	0.281	
METHYL N-BUTYL KETONE	*D< 0.43	PPB V	0.085	0.281	
DIBROMOCHLOROMETHANE	*D< 0.43	PPB V	0.085	0.281	
1,2-DIBROMOETHANE	*D< 0.43	PPB V	0.085	0.281	
TETRACHLOROETHYLENE	*D< 0.43	PPB V	0.085	0.281	



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# Laboratory Report

D.F. Kurtycz, M.D., Medical Director • Charles D. Brokopp, Dr.P.H., Director

Environmental Health Division

Organic Chemistry

WDNR LAB ID: 113133790

NELAP LAB ID: E37658 EPA LAB WI00007

WI DATCP ID: 105-415

WSLH Sample: OY000257

Analysis Method	Result	Units	LOD	LOQ	Report Limit
CHLOROBENZENE	*D< 0.43	PPB V	0.085	0.281	
ETHYLBENZENE	*D< 0.43	PPB V	0.085	0.281	
M/P-XYLENE	*D< 0.86	PPB V	0.170	0.561	
BROMOFORM	*D< 0.43	PPB V	0.085	0.281	
STYRENE	1.66	PPB V	0.085	0.281	
1,1,2,2-TETRACHLOROETHANE	*D< 0.43	PPB V	0.085	0.281	
O-XYLENE	*D< 0.43	PPB V	0.085	0.281	
1-ETHYL-4-METHYL BENZENE	*D< 0.43	PPB V	0.085	0.281	
1,3,5-TRIMETHYL BENZENE	*D< 0.43	PPB V	0.085	0.281	
1,2,4-TRIMETHYL BENZENE	1.34	PPB V	0.085	0.281	
CHLOROMETHYL BENZENE (ALPHA)	*D< 0.43	PPB V	0.085	0.281	
1,3-DICHLOROBENZENE	*D< 0.43	PPB V	0.085	0.281	
1,4-DICHLOROBENZENE	6.71	PPB V	0.085	0.281	
1,2-DICHLOROBENZENE	*D< 0.43	PPB V	0.085	0.281	
1,2,4-TRICHLOROBENZENE	*D< 0.43	PPB V	0.085	0.281	
HEXACHLORO-1,3-BUTADIENE	*D< 0.43	PPB V	0.085	0.281	

OY000257.MM1:

WISCONSIN STATE LABORATORY OF HYGIENE SAMPLE OY000257 CONTAINS THE FOLLOWING FLAGS.

LOD NOT ACHIEVABLE DUE TO DILUTION - \*D.  
 LOWER QC LIMIT FOR CALIBRATION CHECK EXCEEDED - \*QL.  
 INTERFERENCE INDICATED BY \*I.  
 COMPOUND DETECTED IN LAB BLANK INDICATED BY - \*B.

IF YOU HAVE ANY QUESTIONS, CONTACT STEVE GEIS AT (608) 224-6269.



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# Laboratory Report

D.F. Kurtycz, M.D., Medical Director • Charles D. Brokopp, Dr.P.H., Director

Environmental Health Division

Organic Chemistry

WDNR LAB ID: 113133790

NELAP LAB ID: E37658 EPA LAB WI00007

WI DATCP ID: 105-415

**WSLH Sample: OY000257**

Test results for NELAP accredited tests are certified to meet the requirements of the NELAC standards. For a list of accredited analytes see <http://www.slh.wisc.edu/nelap/>

**List of Abbreviations:**

LOD = Level of detection

LOQ = Level of quantification

ND = None detected. Results are less than the LOD

Responsible Party: Steve Geis Steve Geis, Chemist Supervisor

If there are questions about this report, please contact Steve Geis at 608-224-6269.

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# Laboratory Report

D.F. Kurtycz, M.D., Medical Director • Charles D. Brokopp, Dr.P.H., Director

Environmental Health Division

Organic Chemistry

WDNR LAB ID: 113133790

NELAP LAB ID: E37658 EPA LAB WI00007

WI DATCP ID: 105-415

**WSLH Sample: OY000256**

Bill To

Customer ID: 325192

Fee Exempt

Monitor Point ID:

PWS ID#:

WI Unique Well#:

Entry Point ID:

Date Received: 07/18/2013 15:08:00

Date Reported: 07/22/2013

Sample Reason:

System Type:

System Name:

City:

Collection: Date/Time: 07/17/2013 12:17:00

Collected By: R. WOZNIAK

County:

Source Code: INDOOR AIR

Sample Location: 1033 W ATKINSON AVE, MILWAUKEE, WI

Sample Description: UNIT # 5 KITCHEN COUNTER (2ND FLOOR) IA6

**Analyses and Results:**

Analysis Date	Lab Comment					
07/19/2013	SEE OY000256.MM1					
Analysis Method	Result	Units	LOD	LOQ	Report Limit	
PROPENE	*I< 2.4	PPB V	0.085	0.281		
DICHLORODIFLUOROMETHANE	*D< 0.43	PPB V	0.085	0.281		
CHLOROMETHANE	0.880	PPB V	0.085	0.281		
1,2-DICHLOROTETRAFLUOROETHANE	*D< 0.43	PPB V	0.085	0.281		
VINYL CHLORIDE	*D< 0.43	PPB V	0.085	0.281		
1,3-BUTADIENE	*D< 0.43	PPB V	0.085	0.281		
BROMOMETHANE	*D< 0.43	PPB V	0.085	0.281		
CHLOROETHANE	*D< 0.43	PPB V	0.085	0.281		
ACROLEIN	*QL 3.5	PPB V	0.085	0.281		
ACETONE	42.8	PPB V	0.085	0.281		
HALOCARBON 11	7.68	PPB V	0.085	0.281		
1,1-DICHLOROETHENE	*D< 0.43	PPB V	0.085	0.281		
METHYLENE CHLORIDE	*D< 0.43	PPB V	0.085	0.281		
CARBON DISULFIDE	*D< 0.43	PPB V	0.085	0.281		
1,1,2-TRICHLOROTRIFLUOROETHANE	*D< 0.43	PPB V	0.085	0.281		
TRANS-1,2-DICHLOROETHYLENE	*D< 0.43	PPB V	0.085	0.281		



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# Laboratory Report

D.F. Kurtycz, M.D., Medical Director • Charles D. Brokopp, Dr.P.H., Director

Environmental Health Division

Organic Chemistry

WDNR LAB ID: 113133790

NELAP LAB ID: E37658 EPA LAB WI00007

WI DATCP ID: 105-415

WSLH Sample: OY000256

Analysis Method	Result	Units	LOD	LOQ	Report Limit
1,1-DICHLOROETHANE	*D< 0.43	PPB V	0.085	0.281	
TERT-BUTYL METHYL ETHER	*D< 0.43	PPB V	0.085	0.281	
VINYL ACETATE	2.51	PPB V	0.085	0.281	
METHYL ETHYL KETONE	2.53	PPB V	0.085	0.281	
CIS-1,2-DICHLOROETHYLENE	*D< 0.43	PPB V	0.085	0.281	
HEXANE	*D< 0.43	PPB V	0.085	0.281	
CHLOROFORM	*D< 0.43	PPB V	0.085	0.281	
ETHYL ACETATE	*D< 0.43	PPB V	0.085	0.281	
TETRAHYDROFURAN	*D< 0.43	PPB V	0.085	0.281	
1,2-DICHLOROETHANE	*D< 0.43	PPB V	0.085	0.281	
1,1,1-TRICHLOROETHANE	*D< 0.43	PPB V	0.085	0.281	
BENZENE	0.838	PPB V	0.085	0.281	
CARBON TETRACHLORIDE	*D< 0.43	PPB V	0.085	0.281	
CYCLOHEXANE	*D< 0.43	PPB V	0.085	0.281	
1,2-DICHLOROPROPANE	*D< 0.43	PPB V	0.085	0.281	
BROMODICHLOROMETHANE	*D< 0.43	PPB V	0.085	0.281	
TRICHLOROETHYLENE	*D< 0.43	PPB V	0.085	0.281	
1,4-DIOXANE	*D< 0.43	PPB V	0.085	0.281	
HEPTANE	*D< 0.43	PPB V	0.085	0.281	
CIS-1,3-DICHLOROPROPENE	*D< 0.43	PPB V	0.085	0.281	
METHYL ISOBUTYL KETONE	*D< 0.43	PPB V	0.085	0.281	
TRANS-1,3-DICHLOROPROPENE	*D< 0.43	PPB V	0.085	0.281	
1,1,2-TRICHLOROETHANE	*D< 0.43	PPB V	0.085	0.281	
TOLUENE	1.03	PPB V	0.085	0.281	
METHYL N-BUTYL KETONE	*D< 0.43	PPB V	0.085	0.281	
DIBROMOCHLOROMETHANE	*D< 0.43	PPB V	0.085	0.281	
1,2-DIBROMOETHANE	*D< 0.43	PPB V	0.085	0.281	
TETRACHLOROETHYLENE	*D< 0.43	PPB V	0.085	0.281	
CHLOROBENZENE	*D< 0.43	PPB V	0.085	0.281	
ETHYLBENZENE	*D< 0.43	PPB V	0.085	0.281	
M/P-XYLENE	*D< 0.86	PPB V	0.170	0.561	
BROMOFORM	*D< 0.43	PPB V	0.085	0.281	
STYRENE	1.64	PPB V	0.085	0.281	
1,1,2,2-TETRACHLOROETHANE	*D< 0.43	PPB V	0.085	0.281	
O-XYLENE	*D< 0.43	PPB V	0.085	0.281	





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# Laboratory Report

D.F. Kurtycz, M.D., Medical Director • Charles D. Brokopp, Dr.P.H., Director

Environmental Health Division

Organic Chemistry

WDNR LAB ID: 113133790

NELAP LAB ID: E37658 EPA LAB WI00007

WI DATCP ID: 105-415

**WSLH Sample: OY000256**

Analysis Method	Result	Units	LOD	LOQ	Report Limit
1-ETHYL-4-METHYL BENZENE	*D< 0.43	PPB V	0.085	0.281	
1,3,5-TRIMETHYL BENZENE	*D< 0.43	PPB V	0.085	0.281	
1,2,4-TRIMETHYL BENZENE	*D< 0.43	PPB V	0.085	0.281	
CHLOROMETHYL BENZENE (ALPHA)	*D< 0.43	PPB V	0.085	0.281	
1,3-DICHLOROBENZENE	*D< 0.43	PPB V	0.085	0.281	
1,4-DICHLOROBENZENE	3.21	PPB V	0.085	0.281	
1,2-DICHLOROBENZENE	*D< 0.43	PPB V	0.085	0.281	
1,2,4-TRICHLOROBENZENE	*D< 0.43	PPB V	0.085	0.281	
HEXACHLORO-1,3-BUTADIENE	*D< 0.43	PPB V	0.085	0.281	

OY000256.MM1:

WISCONSIN STATE LABORATORY OF HYGIENE SAMPLE OY000256 CONTAINS THE FOLLOWING FLAGS.

LOD NOT ACHIEVABLE DUE TO DILUTION - \*D.  
 LOWER QC LIMIT FOR CALIBRATION CHECK EXCEEDED - \*QL.  
 INTERFERENCE INDICATED BY \*I.

IF YOU HAVE ANY QUESTIONS, CONTACT STEVE GEIS AT (608) 224-6269.

Test results for NELAP accredited tests are certified to meet the requirements of the NELAC standards. For a list of accredited analytes see <http://www.slh.wisc.edu/nelap/>

**List of Abbreviations:**

LOD = Level of detection  
 LOQ = Level of quantification  
 ND = None detected. Results are less than the LOD

Responsible Party: Steve Geis Steve Geis, Chemist Supervisor

If there are questions about this report, please contact Steve Geis at 608-224-6269.

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# Laboratory Report

D.F. Kurtycz, M.D., Medical Director • Charles D. Brokopp, Dr.P.H., Director

Environmental Health Division

Organic Chemistry

WDNR LAB ID: 113133790

NELAP LAB ID: E37658

EPA LAB WI00007

WI DATCP ID: 105-415

**WSLH Sample: OY000258**

**WOZNIAK, RYAN**

Bill To

**1 W. WILSON ST., ROOM 150**

Customer ID: 325192

**MADISON, WI 53701**

Fee Exempt

ID#:

Waterbody/Outfall ID:

Point/Well:

Account #: DH060

Project No:

Date Received: 07/18/2013 15:08:00

Date Reported: 07/22/2013

Sample Reason:

Field #:

Collection Start: 07/17/2013 12:15:00

Collection End: 07/18/2013 12:03:00

Collected By: R. WOZNIAK

County:

Sample Source: AIR

Sample Depth:

Sample Information:

Sample Location: 1033 W ATKINSON AVE, MILWAUKEE, WI

Sample Description: UNIT # 5 PORCH (2ND FLOOR OUTSIDE PORCH) OA

Analyses and Results:

Analysis Date	Lab Comment				
07/19/2013	SEE OY000258.MM1				
Analysis Method	Result	Units	LOD	LOQ	Report Limit
PROPENE	*I< 0.70	PPB V	0.085	0.281	
DICHLORODIFLUOROMETHANE	*B 0.24	PPB V	0.085	0.281	
CHLOROMETHANE	0.436	PPB V	0.085	0.281	
1,2-DICHLOROTETRAFLUROETHANE	ND	PPB V	0.085	0.281	
VINYL CHLORIDE	ND	PPB V	0.085	0.281	
1,3-BUTADIENE	ND	PPB V	0.085	0.281	
BROMOMETHANE	ND	PPB V	0.085	0.281	
CHLOROETHANE	ND	PPB V	0.085	0.281	
ACROLEIN	*QL 0.28	PPB V	0.085	0.281	
ACETONE	3.97	PPB V	0.085	0.281	
HALOCARBON 11	0.134	PPB V	0.085	0.281	
Note: The reported value above is equal to or greater than the LOD and less than the LOQ.					
1,1-DICHLOROETHENE	ND	PPB V	0.085	0.281	



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<http://www.slh.wisc.edu>

# Laboratory Report

D.F. Kurtycz, M.D., Medical Director • Charles D. Brokopp, Dr.P.H., Director

Environmental Health Division

Organic Chemistry

WDNR LAB ID: 113133790

NELAP LAB ID: E37658 EPA LAB WI00007

WI DATCP ID: 105-415

WSLH Sample: OY000258

Analysis Method	Result	Units	LOD	LOQ	Report Limit
METHYLENE CHLORIDE	ND	PPB V	0.085	0.281	
CARBON DISULFIDE	ND	PPB V	0.085	0.281	
1,1,2-TRICHLOROTRIFLUOROETHANE	ND	PPB V	0.085	0.281	
TRANS-1,2-DICHLOROETHYLENE	ND	PPB V	0.085	0.281	
1,1-DICHLOROETHANE	ND	PPB V	0.085	0.281	
TERT-BUTYL METHYL ETHER	ND	PPB V	0.085	0.281	
VINYL ACETATE	0.432	PPB V	0.085	0.281	
METHYL ETHYL KETONE	0.523	PPB V	0.085	0.281	
CIS-1,2-DICHLOROETHYLENE	ND	PPB V	0.085	0.281	
HEXANE	0.186	PPB V	0.085	0.281	

Note: The reported value above is equal to or greater than the LOD and less than the LOQ.

CHLOROFORM	ND	PPB V	0.085	0.281	
ETHYL ACETATE	ND	PPB V	0.085	0.281	
TETRAHYDROFURAN	ND	PPB V	0.085	0.281	
1,2-DICHLOROETHANE	ND	PPB V	0.085	0.281	
1,1,1-TRICHLOROETHANE	*IS ND	PPB V	0.085	0.281	
BENZENE	*IS 0.23	PPB V	0.085	0.281	
CARBON TETRACHLORIDE	*IS ND	PPB V	0.085	0.281	
CYCLOHEXANE	*IS ND	PPB V	0.085	0.281	
1,2-DICHLOROPROPANE	*IS ND	PPB V	0.085	0.281	
BROMODICHLOROMETHANE	*IS ND	PPB V	0.085	0.281	
TRICHLOROETHYLENE	*IS ND	PPB V	0.085	0.281	
1,4-DIOXANE	*IS ND	PPB V	0.085	0.281	
HEPTANE	*IS ND	PPB V	0.085	0.281	
CIS-1,3-DICHLOROPROPENE	*IS ND	PPB V	0.085	0.281	
METHYL ISOBUTYL KETONE	*IS ND	PPB V	0.085	0.281	
TRANS-1,3-DICHLOROPROPENE	*IS ND	PPB V	0.085	0.281	
1,1,2-TRICHLOROETHANE	*IS ND	PPB V	0.085	0.281	
TOLUENE	*IS 0.32	PPB V	0.085	0.281	
METHYL N-BUTYL KETONE	*IS ND	PPB V	0.085	0.281	



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# Laboratory Report

D.F. Kurtycz, M.D., Medical Director • Charles D. Brokopp, Dr.P.H., Director

Environmental Health Division

Organic Chemistry

WDNR LAB ID: 113133790

NELAP LAB ID: E37658

EPA LAB WI00007

WI DATCP ID: 105-415

WSLH Sample: OY000258

Analysis Method	Result	Units	LOD	LOQ	Report Limit
DIBROMOCHLOROMETHANE	*IS ND	PPB V	0.085	0.281	
1,2-DIBROMOETHANE	*IS ND	PPB V	0.085	0.281	
TETRACHLOROETHYLENE	*IS ND	PPB V	0.085	0.281	
CHLOROBENZENE	*IS ND	PPB V	0.085	0.281	
ETHYLBENZENE	*IS ND	PPB V	0.085	0.281	
M/P-XYLENE	*IS 0.29	PPB V	0.170	0.561	
BROMOFORM	*IS ND	PPB V	0.085	0.281	
STYRENE	*IS ND	PPB V	0.085	0.281	
1,1,2,2-TETRACHLOROETHANE	*IS ND	PPB V	0.085	0.281	
O-XYLENE	*IS 0.14	PPB V	0.085	0.281	
1-ETHYL-4-METHYL BENZENE	*IS ND	PPB V	0.085	0.281	
1,3,5-TRIMETHYL BENZENE	*IS ND	PPB V	0.085	0.281	
1,2,4-TRIMETHYL BENZENE	*IS 0.28	PPB V	0.085	0.281	
CHLOROMETHYL BENZENE (ALPHA)	*IS ND	PPB V	0.085	0.281	
1,3-DICHLOROBENZENE	*IS ND	PPB V	0.085	0.281	
1,4-DICHLOROBENZENE	*IS 0.28	PPB V	0.085	0.281	
1,2-DICHLOROBENZENE	*IS ND	PPB V	0.085	0.281	
1,2,4-TRICHLOROBENZENE	*IS ND	PPB V	0.085	0.281	
HEXACHLORO-1,3-BUTADIENE	*IS ND	PPB V	0.085	0.281	

OY000258.MM1:

WISCONSIN STATE LABORATORY OF HYGIENE SAMPLE OY000258 CONTAINS THE FOLLOWING FLAGS.

THE INTERNAL STANDARD QC LIMIT IS EXCEEDED - \*IS.  
LOWER QC LIMIT FOR CALIBRATION CHECK EXCEEDED - \*QL.  
INTERFERENCE INDICATED BY \*I.  
COMPOUND DETECTED IN LAB BLANK INDICATED BY - \*B.

IF YOU HAVE ANY QUESTIONS, CONTACT STEVE GEIS AT (608) 224-6269.



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# Laboratory Report

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**WSLH Sample: OY000258**

Test results for NELAP accredited tests are certified to meet the requirements of the NELAC standards. For a list of accredited analytes see <http://www.slh.wisc.edu/nelap/>

**List of Abbreviations:**

LOD = Level of detection

LOQ = Level of quantification

ND = None detected. Results are less than the LOD

Responsible Party: *Steve Geis* Steve Geis, Chemist Supervisor

If there are questions about this report, please contact Steve Geis at 608-224-6269.

The results in this report apply only to the sample specifically listed above. This report is not to be reproduced except in full.