



May 26, 2022

Krista Strenski
926 Derby Lane
Green Bay, Wisconsin 54301

Subject: Environmental Investigation Sampling Results
BRRTS#: 02-05-514372

Dear Ms. Strenski:

In accordance with the executed Agreement to Provide Access for Sampling Activities, and in accordance with Wisconsin Department of Natural Resources (WDNR) regulation NR 716.14, EnviroForensics, LLC. (EnviroForensics) is providing the results of environmental samples collected from your property located at 926 Derby Lane in Green Bay, Wisconsin. Indoor air and sub-slab vapor samples were collected on April 12, 2022. The sampling activities are part of an environmental investigation being performed for the former Econo-Care Cleaners facility located at 1404 S Webster Avenue in Green Bay at the direction of the WDNR pursuant to the authority granted to it under State and Federal law. The chemicals of concern for the investigation are the dry cleaning solvent tetrachloroethene (PCE) and its associated breakdown products.

The Responsible Party is:

Econo-Care Cleaners (former)
1404 S Webster Avenue
Green Bay, WI

Sampling Results

Two indoor air samples were collected from within your home, 200030-926 Derby-IA-B and 200030-926 Derby-IA-1. One (1) sub-slab vapor sample (200030-926 Derby-SSV-1) was collected from beneath the floor of your home. The sampling locations are depicted on the attached **Figure 1**. The results of the indoor air and vapor samples are summarized and compared to WDNR standards on the attached **Table 1**. A copy of the laboratory report that relates to the indoor air and vapor samples is also attached.

Tetrachloroethene (PCE) and trichloroethene (TCE), which is a breakdown product of PCE, were detected in the air and sub-slab samples at concentrations *below* the respective vapor Vapor

Risk Screening Levels (VRSLs). Other non-target compounds that are not a focus of this investigation were also detected but below their VRSLs.

At this time there is not a vapor risk to your building. We will contact you to schedule the next sampling event if needed. If you have any questions or concerns, please contact us at 262-510-0612 or by email at rhoverman@enviroforensics.com. The WDNR project manager, Josie Schultz, can be reached at 920-366-5685. We greatly appreciate your help and patience with this matter.

Sincerely,
EnviroForensics, LLC

A handwritten signature in blue ink, appearing to read "Rob Hoverman".

Rob Hoverman, PG
Senior Project Manager

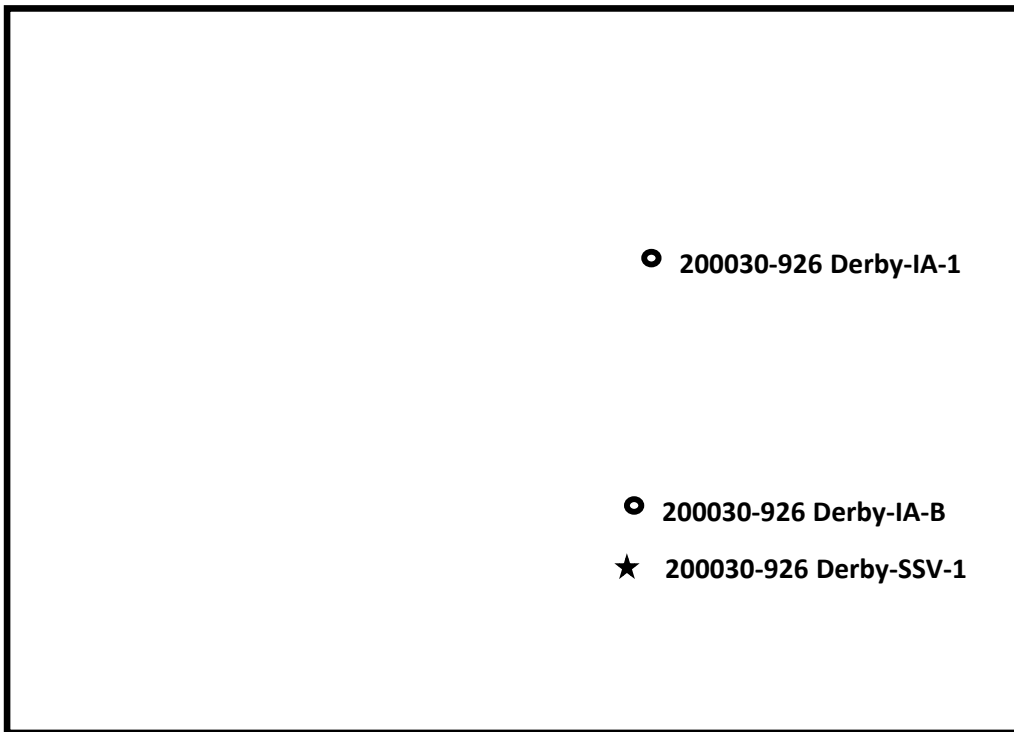
Copy: Josie Schultz, Wisconsin Department of Natural Resources

Attachments:

Figure 1 – Vapor Intrusion Sample Locations
Table 1 – Vapor Intrusion Analytical Results
Laboratory Analytical Report Excerpt

FIGURE 1
VAPOR INTRUSION SAMPLE LOCATIONS
926 Derby Lane, Green Bay, Wisconsin

Derby Lane



Legend

- = Indoor Air Sample
- IA-B = Basement
- IA-1 = 1st Floor
- SSV-1 = Sub-Slab Vapor
- ★ = Sub-Slab Vapor Sampling Port Location



TABLE 1
VAPOR INTRUSION ASSESSMENT RESULTS SUMMARY

Former Econo Care Cleaners
 1404 South Webster Avenue, Wisconsin

Address	Sample Identification	Sample Date	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl Chloride	1,1 Dichloroethane	1, 1, 1-Trichloroethane
INDOOR/OUTDOOR AIR									
Residential Vapor Action Level			42	2.1	NE	NE	1.7	18	5200
926 Derby	IA-B	4/12/2022	0.66 J	0.34 J	<0.30	<0.26	<0.13	<0.26	<0.29
	IA-1	4/12/2022	0.52 J	<0.30	<0.30	1.4	<0.13	<0.25	<0.28
SUB-SLAB VAPOR									
Residential Vapor Risk Screening Level			1,400	70	NE	NE	57	590	170,000
926 Derby	SSV-1	4/12/2022	44.0	5.4	<0.39	<0.33	<0.17	<0.33	<0.37

Notes:

Vapor Action and Risk Screening Levels are calculated according to WDNR Publication RR-800 and subsequent vapor intrusion guide:

Results reported in micrograms per cubic meter ($\mu\text{g}/\text{m}^3$)

Samples analyzed according to EPA Method TO-15

NE = Screening/action level not established

Bolded values are above detection limits

Bolded and shaded values exceed the applicable screening or action level

May 05, 2022

Rob Hoverman
EnviroForensics
N16 W23390 Stone Ridge Drive
Suite G
Waukesha, WI 53188

RE: Project: 200030 Econocare
Pace Project No.: 10604924

Dear Rob Hoverman:

Enclosed are the analytical results for sample(s) received by the laboratory on April 18, 2022. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Minneapolis

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

Sincerely,



Carolynne Trout
carolynne.trout@pacelabs.com
1(612)607-6351
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 200030 Econocare

Pace Project No.: 10604924

Pace Analytical Services, LLC - Minneapolis MN

1700 Elm Street SE, Minneapolis, MN 55414

A2LA Certification #: 2926.01*

1800 Elm Street SE, Minneapolis, MN 55414--Satellite Air Lab

Alabama Certification #: 40770

Alaska Contaminated Sites Certification #: 17-009*

Alaska DW Certification #: MN00064

Arizona Certification #: AZ0014*

Arkansas DW Certification #: MN00064

Arkansas WW Certification #: 88-0680

California Certification #: 2929

Colorado Certification #: MN00064

Connecticut Certification #: PH-0256

EPA Region 8 Tribal Water Systems+Wyoming DW Certification #: via MN 027-053-137

Florida Certification #: E87605*

Georgia Certification #: 959

Hawaii Certification #: MN00064

Idaho Certification #: MN00064

Illinois Certification #: 200011

Indiana Certification #: C-MN-01

Iowa Certification #: 368

Kansas Certification #: E-10167

Kentucky DW Certification #: 90062

Kentucky WW Certification #: 90062

Louisiana DEQ Certification #: AI-03086*

Louisiana DW Certification #: MN00064

Maine Certification #: MN00064*

Maryland Certification #: 322

Michigan Certification #: 9909

Minnesota Certification #: 027-053-137*

Minnesota Dept of Ag Approval: via MN 027-053-137

Minnesota Petrofund Registration #: 1240*

Mississippi Certification #: MN00064

Missouri Certification #: 10100

Montana Certification #: CERT0092

Nebraska Certification #: NE-OS-18-06

Nevada Certification #: MN00064

New Hampshire Certification #: 2081*

New Jersey Certification #: MN002

New York Certification #: 11647*

North Carolina DW Certification #: 27700

North Carolina WW Certification #: 530

North Dakota Certification (A2LA) #: R-036

North Dakota Certification (MN) #: R-036

Ohio DW Certification #: 41244

Ohio VAP Certification (1700) #: CL101

Ohio VAP Certification (1800) #: CL110*

Oklahoma Certification #: 9507*

Oregon Primary Certification #: MN300001

Oregon Secondary Certification #: MN200001*

Pennsylvania Certification #: 68-00563*

Puerto Rico Certification #: MN00064

South Carolina Certification #: 74003001

Tennessee Certification #: TN02818

Texas Certification #: T104704192*

Utah Certification #: MN00064*

Vermont Certification #: VT-027053137

Virginia Certification #: 460163*

Washington Certification #: C486*

West Virginia DEP Certification #: 382

West Virginia DW Certification #: 9952 C

Wisconsin Certification #: 999407970

Wyoming UST Certification #: via A2LA 2926.01

USDA Permit #: P330-19-00208

Please Note: Applicable air certifications are denoted with an asterisk ().

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SAMPLE SUMMARY

Project: 200030 Econocare

Pace Project No.: 10604924

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10604924001	200030-926 Derby-IA-B	Air	04/12/22 15:58	04/18/22 12:23
10604924002	200030-926 Derby-IA-1	Air	04/12/22 16:00	04/18/22 12:23
10604924003	200030-926 Derby-SSV-1	Air	04/12/22 16:45	04/18/22 12:23
10604924004	UNUSED PACE3436	Air		04/18/22 12:23

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SAMPLE ANALYTE COUNT

Project: 200030 Econocare
Pace Project No.: 10604924

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
10604924001	200030-926 Derby-IA-B	TO-15	AFV	61	PASI-M
10604924002	200030-926 Derby-IA-1	TO-15	AFV	61	PASI-M
10604924003	200030-926 Derby-SSV-1	TO-15	AFV	61	PASI-M

PASI-M = Pace Analytical Services - Minneapolis

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 200030 Econocare

Pace Project No.: 10604924

Sample: 200030-926 Derby-IA-B Lab ID: 10604924001 Collected: 04/12/22 15:58 Received: 04/18/22 12:23 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR									
Analytical Method: TO-15									
Pace Analytical Services - Minneapolis									
Acetone	102	ug/m3	9.4	2.8	1.55		05/03/22 18:43	67-64-1	
Benzene	2.0	ug/m3	0.50	0.18	1.55		05/03/22 18:43	71-43-2	
Benzyl chloride	<1.4	ug/m3	4.1	1.4	1.55		05/03/22 18:43	100-44-7	
Bromodichloromethane	0.70J	ug/m3	2.1	0.37	1.55		05/03/22 18:43	75-27-4	
Bromoform	<2.5	ug/m3	8.1	2.5	1.55		05/03/22 18:43	75-25-2	
Bromomethane	<0.23	ug/m3	1.2	0.23	1.55		05/03/22 18:43	74-83-9	
1,3-Butadiene	<0.19	ug/m3	0.70	0.19	1.55		05/03/22 18:43	106-99-0	
2-Butanone (MEK)	10	ug/m3	4.6	0.72	1.55		05/03/22 18:43	78-93-3	
Carbon disulfide	0.23J	ug/m3	0.98	0.20	1.55		05/03/22 18:43	75-15-0	
Carbon tetrachloride	<0.43	ug/m3	2.0	0.43	1.55		05/03/22 18:43	56-23-5	
Chlorobenzene	<0.24	ug/m3	1.5	0.24	1.55		05/03/22 18:43	108-90-7	
Chloroethane	<0.35	ug/m3	0.83	0.35	1.55		05/03/22 18:43	75-00-3	
Chloroform	2.2	ug/m3	0.77	0.28	1.55		05/03/22 18:43	67-66-3	
Chloromethane	0.55J	ug/m3	0.65	0.13	1.55		05/03/22 18:43	74-87-3	
Cyclohexane	2.5J	ug/m3	2.7	0.34	1.55		05/03/22 18:43	110-82-7	
Dibromochloromethane	<0.80	ug/m3	2.7	0.80	1.55		05/03/22 18:43	124-48-1	
1,2-Dibromoethane (EDB)	<0.46	ug/m3	1.2	0.46	1.55		05/03/22 18:43	106-93-4	
1,2-Dichlorobenzene	<0.63	ug/m3	4.7	0.63	1.55		05/03/22 18:43	95-50-1	
1,3-Dichlorobenzene	<0.79	ug/m3	4.7	0.79	1.55		05/03/22 18:43	541-73-1	
1,4-Dichlorobenzene	<1.4	ug/m3	4.7	1.4	1.55		05/03/22 18:43	106-46-7	
Dichlorodifluoromethane	2.3	ug/m3	1.6	0.29	1.55		05/03/22 18:43	75-71-8	
1,1-Dichloroethane	<0.26	ug/m3	1.3	0.26	1.55		05/03/22 18:43	75-34-3	
1,2-Dichloroethane	<0.30	ug/m3	1.3	0.30	1.55		05/03/22 18:43	107-06-2	
1,1-Dichloroethene	<0.21	ug/m3	1.2	0.21	1.55		05/03/22 18:43	75-35-4	
cis-1,2-Dichloroethene	<0.30	ug/m3	1.2	0.30	1.55		05/03/22 18:43	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/m3	1.2	0.26	1.55		05/03/22 18:43	156-60-5	
1,2-Dichloropropane	<0.42	ug/m3	1.5	0.42	1.55		05/03/22 18:43	78-87-5	
cis-1,3-Dichloropropene	<0.40	ug/m3	3.6	0.40	1.55		05/03/22 18:43	10061-01-5	
trans-1,3-Dichloropropene	<0.84	ug/m3	3.6	0.84	1.55		05/03/22 18:43	10061-02-6	
Dichlorotetrafluoroethane	<0.31	ug/m3	2.2	0.31	1.55		05/03/22 18:43	76-14-2	
Ethanol	577	ug/m3	3.0	0.92	1.55		05/03/22 18:43	64-17-5	
Ethyl acetate	8.5	ug/m3	1.1	0.20	1.55		05/03/22 18:43	141-78-6	
Ethylbenzene	1.7J	ug/m3	3.4	0.48	1.55		05/03/22 18:43	100-41-4	
4-Ethyltoluene	2.1J	ug/m3	3.9	0.73	1.55		05/03/22 18:43	622-96-8	
n-Heptane	<0.28	ug/m3	3.2	0.28	1.55		05/03/22 18:43	142-82-5	
Hexachloro-1,3-butadiene	<1.9	ug/m3	8.4	1.9	1.55		05/03/22 18:43	87-68-3	
n-Hexane	1.9J	ug/m3	2.8	0.30	1.55		05/03/22 18:43	110-54-3	
2-Hexanone	1.4J	ug/m3	6.4	0.69	1.55		05/03/22 18:43	591-78-6	
Methylene Chloride	<0.92	ug/m3	5.5	0.92	1.55		05/03/22 18:43	75-09-2	
4-Methyl-2-pentanone (MIBK)	<0.50	ug/m3	6.4	0.50	1.55		05/03/22 18:43	108-10-1	
Methyl-tert-butyl ether	<0.20	ug/m3	5.7	0.20	1.55		05/03/22 18:43	1634-04-4	
Naphthalene	<3.4	ug/m3	4.1	3.4	1.55		05/03/22 18:43	91-20-3	
2-Propanol	6.4	ug/m3	3.9	0.79	1.55		05/03/22 18:43	67-63-0	
Propylene	<0.20	ug/m3	1.4	0.20	1.55		05/03/22 18:43	115-07-1	
Styrene	1.4J	ug/m3	3.4	0.60	1.55		05/03/22 18:43	100-42-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 200030 Econocare

Pace Project No.: 10604924

Sample: 200030-926 Derby-IA-B Lab ID: 10604924001 Collected: 04/12/22 15:58 Received: 04/18/22 12:23 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR									
Analytical Method: TO-15									
Pace Analytical Services - Minneapolis									
1,1,2,2-Tetrachloroethane	<0.58	ug/m3	2.2	0.58	1.55		05/03/22 18:43	79-34-5	
Tetrachloroethene	0.66J	ug/m3	1.1	0.45	1.55		05/03/22 18:43	127-18-4	
Tetrahydrofuran	<0.28	ug/m3	2.3	0.28	1.55		05/03/22 18:43	109-99-9	
Toluene	3.2	ug/m3	3.0	0.38	1.55		05/03/22 18:43	108-88-3	
1,2,4-Trichlorobenzene	<7.6	ug/m3	11.7	7.6	1.55		05/03/22 18:43	120-82-1	
1,1,1-Trichloroethane	<0.29	ug/m3	1.7	0.29	1.55		05/03/22 18:43	71-55-6	
1,1,2-Trichloroethane	<0.31	ug/m3	0.86	0.31	1.55		05/03/22 18:43	79-00-5	
Trichloroethene	0.34J	ug/m3	0.85	0.30	1.55		05/03/22 18:43	79-01-6	
Trichlorofluoromethane	6.6	ug/m3	1.8	0.36	1.55		05/03/22 18:43	75-69-4	
1,1,2-Trichlorotrifluoroethane	0.53J	ug/m3	2.4	0.45	1.55		05/03/22 18:43	76-13-1	
1,2,4-Trimethylbenzene	2.4	ug/m3	1.5	0.55	1.55		05/03/22 18:43	95-63-6	
1,3,5-Trimethylbenzene	1.7J	ug/m3	3.9	0.45	1.55		05/03/22 18:43	108-67-8	
Vinyl acetate	<0.32	ug/m3	1.1	0.32	1.55		05/03/22 18:43	108-05-4	
Vinyl chloride	<0.13	ug/m3	0.40	0.13	1.55		05/03/22 18:43	75-01-4	
m&p-Xylene	3.5J	ug/m3	6.8	1.0	1.55		05/03/22 18:43	179601-23-1	
o-Xylene	1.4	ug/m3	1.4	0.42	1.55		05/03/22 18:43	95-47-6	

Sample: 200030-926 Derby-IA-1 Lab ID: 10604924002 Collected: 04/12/22 16:00 Received: 04/18/22 12:23 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR									
Analytical Method: TO-15									
Pace Analytical Services - Minneapolis									
Acetone	70.7	ug/m3	9.2	2.8	1.52		05/04/22 05:36	67-64-1	
Benzene	1.1	ug/m3	0.49	0.17	1.52		05/04/22 05:36	71-43-2	
Benzyl chloride	<1.4	ug/m3	4.0	1.4	1.52		05/04/22 05:36	100-44-7	
Bromodichloromethane	0.87J	ug/m3	2.1	0.36	1.52		05/04/22 05:36	75-27-4	
Bromoform	<2.5	ug/m3	8.0	2.5	1.52		05/04/22 05:36	75-25-2	
Bromomethane	<0.23	ug/m3	1.2	0.23	1.52		05/04/22 05:36	74-83-9	
1,3-Butadiene	<0.18	ug/m3	0.68	0.18	1.52		05/04/22 05:36	106-99-0	
2-Butanone (MEK)	4.0J	ug/m3	4.6	0.71	1.52		05/04/22 05:36	78-93-3	
Carbon disulfide	<0.20	ug/m3	0.96	0.20	1.52		05/04/22 05:36	75-15-0	
Carbon tetrachloride	<0.43	ug/m3	1.9	0.43	1.52		05/04/22 05:36	56-23-5	
Chlorobenzene	<0.24	ug/m3	1.4	0.24	1.52		05/04/22 05:36	108-90-7	
Chloroethane	<0.34	ug/m3	0.81	0.34	1.52		05/04/22 05:36	75-00-3	
Chloroform	3.8	ug/m3	0.75	0.28	1.52		05/04/22 05:36	67-66-3	
Chloromethane	0.78	ug/m3	0.64	0.13	1.52		05/04/22 05:36	74-87-3	
Cyclohexane	<0.34	ug/m3	2.7	0.34	1.52		05/04/22 05:36	110-82-7	
Dibromochloromethane	<0.78	ug/m3	2.6	0.78	1.52		05/04/22 05:36	124-48-1	
1,2-Dibromoethane (EDB)	<0.46	ug/m3	1.2	0.46	1.52		05/04/22 05:36	106-93-4	
1,2-Dichlorobenzene	<0.62	ug/m3	4.7	0.62	1.52		05/04/22 05:36	95-50-1	
1,3-Dichlorobenzene	<0.77	ug/m3	4.7	0.77	1.52		05/04/22 05:36	541-73-1	
1,4-Dichlorobenzene	<1.3	ug/m3	4.7	1.3	1.52		05/04/22 05:36	106-46-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 200030 Econocare

Pace Project No.: 10604924

Sample: 200030-926 Derby-IA-1 Lab ID: 10604924002 Collected: 04/12/22 16:00 Received: 04/18/22 12:23 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR									
Analytical Method: TO-15									
Pace Analytical Services - Minneapolis									
Dichlorodifluoromethane	2.1	ug/m3	1.5	0.29	1.52		05/04/22 05:36	75-71-8	
1,1-Dichloroethane	<0.25	ug/m3	1.3	0.25	1.52		05/04/22 05:36	75-34-3	
1,2-Dichloroethane	<0.29	ug/m3	1.3	0.29	1.52		05/04/22 05:36	107-06-2	
1,1-Dichloroethene	<0.21	ug/m3	1.2	0.21	1.52		05/04/22 05:36	75-35-4	
cis-1,2-Dichloroethene	<0.30	ug/m3	1.2	0.30	1.52		05/04/22 05:36	156-59-2	
trans-1,2-Dichloroethene	1.4	ug/m3	1.2	0.26	1.52		05/04/22 05:36	156-60-5	
1,2-Dichloropropane	<0.41	ug/m3	1.4	0.41	1.52		05/04/22 05:36	78-87-5	
cis-1,3-Dichloropropene	<0.39	ug/m3	3.5	0.39	1.52		05/04/22 05:36	10061-01-5	
trans-1,3-Dichloropropene	<0.83	ug/m3	3.5	0.83	1.52		05/04/22 05:36	10061-02-6	
Dichlorotetrafluoroethane	<0.31	ug/m3	2.2	0.31	1.52		05/04/22 05:36	76-14-2	
Ethanol	977	ug/m3	2.9	0.90	1.52		05/04/22 05:36	64-17-5	E
Ethyl acetate	8.9	ug/m3	1.1	0.20	1.52		05/04/22 05:36	141-78-6	
Ethylbenzene	1.7J	ug/m3	3.4	0.47	1.52		05/04/22 05:36	100-41-4	
4-Ethyltoluene	1.8J	ug/m3	3.8	0.72	1.52		05/04/22 05:36	622-96-8	
n-Heptane	<0.28	ug/m3	3.2	0.28	1.52		05/04/22 05:36	142-82-5	
Hexachloro-1,3-butadiene	<1.9	ug/m3	8.2	1.9	1.52		05/04/22 05:36	87-68-3	
n-Hexane	1.5J	ug/m3	2.7	0.29	1.52		05/04/22 05:36	110-54-3	
2-Hexanone	<0.67	ug/m3	6.3	0.67	1.52		05/04/22 05:36	591-78-6	
Methylene Chloride	<0.90	ug/m3	5.4	0.90	1.52		05/04/22 05:36	75-09-2	
4-Methyl-2-pentanone (MIBK)	<0.49	ug/m3	6.3	0.49	1.52		05/04/22 05:36	108-10-1	
Methyl-tert-butyl ether	<0.19	ug/m3	5.6	0.19	1.52		05/04/22 05:36	1634-04-4	
Naphthalene	<3.3	ug/m3	4.0	3.3	1.52		05/04/22 05:36	91-20-3	
2-Propanol	5.8	ug/m3	3.8	0.77	1.52		05/04/22 05:36	67-63-0	
Propylene	<0.20	ug/m3	1.3	0.20	1.52		05/04/22 05:36	115-07-1	
Styrene	1.3J	ug/m3	3.3	0.59	1.52		05/04/22 05:36	100-42-5	
1,1,2,2-Tetrachloroethane	<0.57	ug/m3	2.1	0.57	1.52		05/04/22 05:36	79-34-5	
Tetrachloroethene	0.52J	ug/m3	1.0	0.44	1.52		05/04/22 16:41	127-18-4	C8
Tetrahydrofuran	<0.27	ug/m3	2.3	0.27	1.52		05/04/22 05:36	109-99-9	
Toluene	3.2	ug/m3	2.9	0.37	1.52		05/04/22 05:36	108-88-3	
1,2,4-Trichlorobenzene	<7.4	ug/m3	11.5	7.4	1.52		05/04/22 05:36	120-82-1	
1,1,1-Trichloroethane	<0.28	ug/m3	1.7	0.28	1.52		05/04/22 05:36	71-55-6	
1,1,2-Trichloroethane	<0.30	ug/m3	0.84	0.30	1.52		05/04/22 05:36	79-00-5	
Trichloroethene	<0.30	ug/m3	0.83	0.30	1.52		05/04/22 05:36	79-01-6	
Trichlorofluoromethane	9.1	ug/m3	1.7	0.35	1.52		05/04/22 05:36	75-69-4	
1,1,2-Trichlorotrifluoroethane	0.49J	ug/m3	2.4	0.44	1.52		05/04/22 05:36	76-13-1	
1,2,4-Trimethylbenzene	1.8	ug/m3	1.5	0.54	1.52		05/04/22 05:36	95-63-6	
1,3,5-Trimethylbenzene	1.5J	ug/m3	3.8	0.44	1.52		05/04/22 05:36	108-67-8	
Vinyl acetate	<0.32	ug/m3	1.1	0.32	1.52		05/04/22 05:36	108-05-4	
Vinyl chloride	<0.13	ug/m3	0.40	0.13	1.52		05/04/22 05:36	75-01-4	
m&p-Xylene	3.3J	ug/m3	6.7	0.98	1.52		05/04/22 05:36	179601-23-1	
o-Xylene	1.3J	ug/m3	1.3	0.41	1.52		05/04/22 05:36	95-47-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 200030 Econocare

Pace Project No.: 10604924

Sample: 200030-926 Derby-SSV-1 Lab ID: 10604924003 Collected: 04/12/22 16:45 Received: 04/18/22 12:23 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR									
Analytical Method: TO-15									
Pace Analytical Services - Minneapolis									
Acetone	99.2	ug/m3	12.0	3.6	1.98		05/03/22 19:56	67-64-1	
Benzene	6.1	ug/m3	0.64	0.23	1.98		05/03/22 19:56	71-43-2	
Benzyl chloride	<1.8	ug/m3	5.2	1.8	1.98		05/03/22 19:56	100-44-7	
Bromodichloromethane	<0.47	ug/m3	2.7	0.47	1.98		05/03/22 19:56	75-27-4	
Bromoform	<3.2	ug/m3	10.4	3.2	1.98		05/03/22 19:56	75-25-2	
Bromomethane	<0.30	ug/m3	1.6	0.30	1.98		05/03/22 19:56	74-83-9	
1,3-Butadiene	<0.24	ug/m3	0.89	0.24	1.98		05/03/22 19:56	106-99-0	
2-Butanone (MEK)	35.2	ug/m3	5.9	0.92	1.98		05/03/22 19:56	78-93-3	
Carbon disulfide	33.8	ug/m3	1.3	0.26	1.98		05/03/22 19:56	75-15-0	
Carbon tetrachloride	<0.55	ug/m3	2.5	0.55	1.98		05/03/22 19:56	56-23-5	
Chlorobenzene	<0.31	ug/m3	1.9	0.31	1.98		05/03/22 19:56	108-90-7	
Chloroethane	<0.44	ug/m3	1.1	0.44	1.98		05/03/22 19:56	75-00-3	
Chloroform	<0.36	ug/m3	0.98	0.36	1.98		05/03/22 19:56	67-66-3	
Chloromethane	0.88	ug/m3	0.83	0.17	1.98		05/03/22 19:56	74-87-3	
Cyclohexane	<0.44	ug/m3	3.5	0.44	1.98		05/03/22 19:56	110-82-7	
Dibromochloromethane	<1.0	ug/m3	3.4	1.0	1.98		05/03/22 19:56	124-48-1	
1,2-Dibromoethane (EDB)	<0.59	ug/m3	1.5	0.59	1.98		05/03/22 19:56	106-93-4	
1,2-Dichlorobenzene	<0.80	ug/m3	6.1	0.80	1.98		05/03/22 19:56	95-50-1	
1,3-Dichlorobenzene	<1.0	ug/m3	6.1	1.0	1.98		05/03/22 19:56	541-73-1	
1,4-Dichlorobenzene	<1.7	ug/m3	6.1	1.7	1.98		05/03/22 19:56	106-46-7	
Dichlorodifluoromethane	2.4	ug/m3	2.0	0.37	1.98		05/03/22 19:56	75-71-8	
1,1-Dichloroethane	<0.33	ug/m3	1.6	0.33	1.98		05/03/22 19:56	75-34-3	
1,2-Dichloroethane	<0.38	ug/m3	1.6	0.38	1.98		05/03/22 19:56	107-06-2	
1,1-Dichloroethene	<0.27	ug/m3	1.6	0.27	1.98		05/03/22 19:56	75-35-4	
cis-1,2-Dichloroethene	<0.39	ug/m3	1.6	0.39	1.98		05/03/22 19:56	156-59-2	
trans-1,2-Dichloroethene	<0.33	ug/m3	1.6	0.33	1.98		05/03/22 19:56	156-60-5	
1,2-Dichloropropane	<0.53	ug/m3	1.9	0.53	1.98		05/03/22 19:56	78-87-5	
cis-1,3-Dichloropropene	<0.50	ug/m3	4.6	0.50	1.98		05/03/22 19:56	10061-01-5	
trans-1,3-Dichloropropene	<1.1	ug/m3	4.6	1.1	1.98		05/03/22 19:56	10061-02-6	
Dichlorotetrafluoroethane	<0.40	ug/m3	2.8	0.40	1.98		05/03/22 19:56	76-14-2	
Ethanol	243	ug/m3	3.8	1.2	1.98		05/03/22 19:56	64-17-5	
Ethyl acetate	<0.26	ug/m3	1.5	0.26	1.98		05/03/22 19:56	141-78-6	
Ethylbenzene	2.9J	ug/m3	4.4	0.61	1.98		05/03/22 19:56	100-41-4	
4-Ethyltoluene	3.8J	ug/m3	5.0	0.93	1.98		05/03/22 19:56	622-96-8	
n-Heptane	<0.36	ug/m3	4.1	0.36	1.98		05/03/22 19:56	142-82-5	
Hexachloro-1,3-butadiene	<2.4	ug/m3	10.7	2.4	1.98		05/03/22 19:56	87-68-3	
n-Hexane	79.2	ug/m3	3.5	0.38	1.98		05/03/22 19:56	110-54-3	
2-Hexanone	5.3J	ug/m3	8.2	0.88	1.98		05/03/22 19:56	591-78-6	
Methylene Chloride	<1.2	ug/m3	7.0	1.2	1.98		05/03/22 19:56	75-09-2	
4-Methyl-2-pentanone (MIBK)	7.0J	ug/m3	8.2	0.64	1.98		05/03/22 19:56	108-10-1	
Methyl-tert-butyl ether	<0.25	ug/m3	7.2	0.25	1.98		05/03/22 19:56	1634-04-4	
Naphthalene	<4.3	ug/m3	5.3	4.3	1.98		05/03/22 19:56	91-20-3	
2-Propanol	24.1	ug/m3	5.0	1.0	1.98		05/03/22 19:56	67-63-0	
Propylene	<0.26	ug/m3	1.7	0.26	1.98		05/03/22 19:56	115-07-1	
Styrene	4.2J	ug/m3	4.3	0.76	1.98		05/03/22 19:56	100-42-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 200030 Econocare

Pace Project No.: 10604924

Sample: 200030-926 Derby-SSV-1 **Lab ID: 10604924003** Collected: 04/12/22 16:45 Received: 04/18/22 12:23 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR									
Analytical Method: TO-15									
Pace Analytical Services - Minneapolis									
1,1,2,2-Tetrachloroethane	<0.74	ug/m3	2.8	0.74	1.98		05/03/22 19:56	79-34-5	
Tetrachloroethene	44.0	ug/m3	1.4	0.58	1.98		05/03/22 19:56	127-18-4	
Tetrahydrofuran	24.0	ug/m3	3.0	0.36	1.98		05/03/22 19:56	109-99-9	
Toluene	11.6	ug/m3	3.8	0.48	1.98		05/03/22 19:56	108-88-3	
1,2,4-Trichlorobenzene	<9.7	ug/m3	14.9	9.7	1.98		05/03/22 19:56	120-82-1	
1,1,1-Trichloroethane	<0.37	ug/m3	2.2	0.37	1.98		05/03/22 19:56	71-55-6	
1,1,2-Trichloroethane	<0.39	ug/m3	1.1	0.39	1.98		05/03/22 19:56	79-00-5	
Trichloroethene	5.4	ug/m3	1.1	0.39	1.98		05/03/22 19:56	79-01-6	
Trichlorofluoromethane	5.0	ug/m3	2.3	0.46	1.98		05/03/22 19:56	75-69-4	
1,1,2-Trichlorotrifluoroethane	0.68J	ug/m3	3.1	0.57	1.98		05/03/22 19:56	76-13-1	
1,2,4-Trimethylbenzene	5.4	ug/m3	2.0	0.70	1.98		05/03/22 19:56	95-63-6	
1,3,5-Trimethylbenzene	2.8J	ug/m3	4.9	0.57	1.98		05/03/22 19:56	108-67-8	
Vinyl acetate	<0.41	ug/m3	1.4	0.41	1.98		05/03/22 19:56	108-05-4	
Vinyl chloride	<0.17	ug/m3	0.51	0.17	1.98		05/03/22 19:56	75-01-4	
m&p-Xylene	6.2J	ug/m3	8.7	1.3	1.98		05/03/22 19:56	179601-23-1	
o-Xylene	3.3	ug/m3	1.7	0.54	1.98		05/03/22 19:56	95-47-6	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 200030 Econocare
Pace Project No.: 10604924

QC Batch: 812867 Analysis Method: TO-15
QC Batch Method: TO-15 Analysis Description: TO15 MSV AIR Low Level
Laboratory: Pace Analytical Services - Minneapolis

Associated Lab Samples: 10604924001, 10604924002, 10604924003

METHOD BLANK: 4310082 Matrix: Air

Associated Lab Samples: 10604924001, 10604924002, 10604924003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/m3	<0.093	0.56	05/03/22 12:14	
1,1,2,2-Tetrachloroethane	ug/m3	<0.19	0.70	05/03/22 12:14	
1,1,2-Trichloroethane	ug/m3	<0.098	0.28	05/03/22 12:14	
1,1,2-Trichlorotrifluoroethane	ug/m3	<0.14	0.78	05/03/22 12:14	
1,1-Dichloroethane	ug/m3	<0.082	0.41	05/03/22 12:14	
1,1-Dichloroethene	ug/m3	<0.069	0.40	05/03/22 12:14	
1,2,4-Trichlorobenzene	ug/m3	<2.4	3.8	05/03/22 12:14	
1,2,4-Trimethylbenzene	ug/m3	<0.18	0.50	05/03/22 12:14	
1,2-Dibromoethane (EDB)	ug/m3	<0.15	0.39	05/03/22 12:14	
1,2-Dichlorobenzene	ug/m3	<0.20	1.5	05/03/22 12:14	
1,2-Dichloroethane	ug/m3	<0.097	0.41	05/03/22 12:14	
1,2-Dichloropropane	ug/m3	<0.13	0.47	05/03/22 12:14	
1,3,5-Trimethylbenzene	ug/m3	<0.14	1.2	05/03/22 12:14	MN
1,3-Butadiene	ug/m3	<0.060	0.22	05/03/22 12:14	
1,3-Dichlorobenzene	ug/m3	<0.25	1.5	05/03/22 12:14	
1,4-Dichlorobenzene	ug/m3	<0.44	1.5	05/03/22 12:14	
2-Butanone (MEK)	ug/m3	<0.23	1.5	05/03/22 12:14	
2-Hexanone	ug/m3	<0.22	2.1	05/03/22 12:14	
2-Propanol	ug/m3	<0.25	1.2	05/03/22 12:14	
4-Ethyltoluene	ug/m3	<0.24	1.2	05/03/22 12:14	
4-Methyl-2-pentanone (MIBK)	ug/m3	<0.16	2.1	05/03/22 12:14	
Acetone	ug/m3	<0.90	3.0	05/03/22 12:14	
Benzene	ug/m3	<0.057	0.16	05/03/22 12:14	
Benzyl chloride	ug/m3	<0.44	1.3	05/03/22 12:14	
Bromodichloromethane	ug/m3	<0.12	0.68	05/03/22 12:14	
Bromoform	ug/m3	<0.81	2.6	05/03/22 12:14	
Bromomethane	ug/m3	<0.075	0.39	05/03/22 12:14	
Carbon disulfide	ug/m3	<0.064	0.32	05/03/22 12:14	
Carbon tetrachloride	ug/m3	<0.14	0.64	05/03/22 12:14	
Chlorobenzene	ug/m3	<0.078	0.47	05/03/22 12:14	
Chloroethane	ug/m3	<0.11	0.27	05/03/22 12:14	
Chloroform	ug/m3	<0.092	0.25	05/03/22 12:14	
Chloromethane	ug/m3	<0.043	0.21	05/03/22 12:14	
cis-1,2-Dichloroethene	ug/m3	<0.098	0.40	05/03/22 12:14	
cis-1,3-Dichloropropene	ug/m3	<0.13	1.2	05/03/22 12:14	
Cyclohexane	ug/m3	<0.11	0.88	05/03/22 12:14	
Dibromochloromethane	ug/m3	<0.26	0.86	05/03/22 12:14	
Dichlorodifluoromethane	ug/m3	<0.094	0.50	05/03/22 12:14	
Dichlorotetrafluoroethane	ug/m3	<0.10	0.71	05/03/22 12:14	
Ethanol	ug/m3	<0.30	0.96	05/03/22 12:14	

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QUALITY CONTROL DATA

Project: 200030 Econocare
Pace Project No.: 10604924

METHOD BLANK: 4310082 Matrix: Air
Associated Lab Samples: 10604924001, 10604924002, 10604924003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethyl acetate	ug/m3	<0.066	0.37	05/03/22 12:14	
Ethylbenzene	ug/m3	<0.15	1.1	05/03/22 12:14	MN
Hexachloro-1,3-butadiene	ug/m3	<0.62	2.7	05/03/22 12:14	
m&p-Xylene	ug/m3	<0.32	2.2	05/03/22 12:14	MN
Methyl-tert-butyl ether	ug/m3	<0.063	1.8	05/03/22 12:14	
Methylene Chloride	ug/m3	<0.30	1.8	05/03/22 12:14	
n-Heptane	ug/m3	<0.090	1.0	05/03/22 12:14	MN
n-Hexane	ug/m3	<0.096	0.90	05/03/22 12:14	MN
Naphthalene	ug/m3	<1.1	1.3	05/03/22 12:14	
o-Xylene	ug/m3	<0.14	0.44	05/03/22 12:14	
Propylene	ug/m3	<0.065	0.44	05/03/22 12:14	
Styrene	ug/m3	<0.19	1.1	05/03/22 12:14	MN
Tetrachloroethene	ug/m3	<0.15	0.34	05/03/22 12:14	
Tetrahydrofuran	ug/m3	<0.090	0.75	05/03/22 12:14	MN
Toluene	ug/m3	<0.12	0.96	05/03/22 12:14	MN
trans-1,2-Dichloroethene	ug/m3	<0.084	0.40	05/03/22 12:14	
trans-1,3-Dichloropropene	ug/m3	<0.27	1.2	05/03/22 12:14	
Trichloroethene	ug/m3	<0.098	0.27	05/03/22 12:14	
Trichlorofluoromethane	ug/m3	<0.12	0.57	05/03/22 12:14	
Vinyl acetate	ug/m3	<0.10	0.36	05/03/22 12:14	
Vinyl chloride	ug/m3	<0.043	0.13	05/03/22 12:14	

LABORATORY CONTROL SAMPLE: 4310083

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/m3	59.3	49.2	83	70-130	
1,1,2,2-Tetrachloroethane	ug/m3	75.4	62.1	82	70-132	
1,1,2-Trichloroethane	ug/m3	59.6	55.8	94	70-131	
1,1,2-Trichlorotrifluoroethane	ug/m3	83.6	63.6	76	70-130	
1,1-Dichloroethane	ug/m3	43.9	36.7	83	70-130	
1,1-Dichloroethene	ug/m3	43.5	34.9	80	70-130	
1,2,4-Trichlorobenzene	ug/m3	177	150	84	70-130	
1,2,4-Trimethylbenzene	ug/m3	54	41.6	77	70-137	
1,2-Dibromoethane (EDB)	ug/m3	82.5	79.0	96	70-137	
1,2-Dichlorobenzene	ug/m3	66.2	52.8	80	70-131	
1,2-Dichloroethane	ug/m3	44.4	38.9	88	70-134	
1,2-Dichloropropane	ug/m3	50.6	48.5	96	70-130	
1,3,5-Trimethylbenzene	ug/m3	53.7	41.7	78	70-131	
1,3-Butadiene	ug/m3	24.2	18.8	78	70-139	
1,3-Dichlorobenzene	ug/m3	66.3	52.0	78	70-134	
1,4-Dichlorobenzene	ug/m3	66.3	53.0	80	70-131	
2-Butanone (MEK)	ug/m3	32.3	27.7	86	70-133	
2-Hexanone	ug/m3	44.8	37.1	83	70-136	
2-Propanol	ug/m3	149	115	77	65-133	

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QUALITY CONTROL DATA

Project: 200030 Econocare

Pace Project No.: 10604924

LABORATORY CONTROL SAMPLE: 4310083

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4-Ethyltoluene	ug/m3	53.7	42.3	79	70-130	
4-Methyl-2-pentanone (MIBK)	ug/m3	44.9	36.8	82	70-130	
Acetone	ug/m3	128	92.5	72	60-134	
Benzene	ug/m3	34.8	38.3	110	70-130	
Benzyl chloride	ug/m3	57.6	46.7	81	70-130	
Bromodichloromethane	ug/m3	73.1	61.7	84	70-130	
Bromoform	ug/m3	114	91.9	81	70-138	
Bromomethane	ug/m3	42.5	31.3	74	68-131	
Carbon disulfide	ug/m3	34.4	29.6	86	70-130	
Carbon tetrachloride	ug/m3	69.4	56.1	81	70-132	
Chlorobenzene	ug/m3	50.2	43.7	87	70-130	
Chloroethane	ug/m3	28.8	21.5	75	70-134	
Chloroform	ug/m3	52.4	41.1	78	70-130	
Chloromethane	ug/m3	22.6	15.9	70	68-131	
cis-1,2-Dichloroethene	ug/m3	43.4	45.9	106	70-136	
cis-1,3-Dichloropropene	ug/m3	49.4	41.1	83	70-130	
Cyclohexane	ug/m3	37.4	31.6	85	70-131	
Dibromochloromethane	ug/m3	93.2	77.4	83	70-134	
Dichlorodifluoromethane	ug/m3	54.6	40.1	73	70-130	
Dichlorotetrafluoroethane	ug/m3	71.2	51.0	72	70-130	
Ethanol	ug/m3	124	90.5	73	55-145	
Ethyl acetate	ug/m3	38.9	42.5	109	70-135	
Ethylbenzene	ug/m3	47.8	39.4	82	70-133	
Hexachloro-1,3-butadiene	ug/m3	133	121	91	70-132	
m&p-Xylene	ug/m3	95.4	75.3	79	70-134	
Methyl-tert-butyl ether	ug/m3	39.6	37.4	94	70-131	
Methylene Chloride	ug/m3	190	144	76	65-132	
n-Heptane	ug/m3	44.6	36.6	82	70-130	
n-Hexane	ug/m3	38	31.2	82	70-132	
Naphthalene	ug/m3	65.2	54.8	84	70-130	
o-Xylene	ug/m3	47.6	36.9	78	70-134	
Propylene	ug/m3	18.9	18.4	98	69-133	
Styrene	ug/m3	47	36.3	77	70-135	
Tetrachloroethene	ug/m3	73.4	65.8	90	70-134	
Tetrahydrofuran	ug/m3	32.1	27.4	85	70-140	
Toluene	ug/m3	41.6	34.7	84	70-136	
trans-1,2-Dichloroethene	ug/m3	43.6	42.7	98	70-134	
trans-1,3-Dichloropropene	ug/m3	50.5	42.0	83	70-131	
Trichloroethene	ug/m3	58.4	58.2	100	70-134	
Trichlorofluoromethane	ug/m3	62	43.8	71	63-130	
Vinyl acetate	ug/m3	46.4	43.5	94	70-139	
Vinyl chloride	ug/m3	28	20.6	73	70-132	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 200030 Econocare

Pace Project No.: 10604924

SAMPLE DUPLICATE: 4311394

Parameter	Units	10604924001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/m3	<0.29	<0.29		25	
1,1,2,2-Tetrachloroethane	ug/m3	<0.58	<0.58		25	
1,1,2-Trichloroethane	ug/m3	<0.31	<0.31		25	
1,1,2-Trichlorotrifluoroethane	ug/m3	0.53J	0.61J		25	
1,1-Dichloroethane	ug/m3	<0.26	<0.26		25	
1,1-Dichloroethene	ug/m3	<0.21	<0.21		25	
1,2,4-Trichlorobenzene	ug/m3	<7.6	<7.6		25	
1,2,4-Trimethylbenzene	ug/m3	2.4	2.4	0	25	
1,2-Dibromoethane (EDB)	ug/m3	<0.46	<0.46		25	
1,2-Dichlorobenzene	ug/m3	<0.63	<0.63		25	
1,2-Dichloroethane	ug/m3	<0.30	<0.30		25	
1,2-Dichloropropane	ug/m3	<0.42	<0.42		25	
1,3,5-Trimethylbenzene	ug/m3	1.7J	1.7J		25	
1,3-Butadiene	ug/m3	<0.19	<0.19		25	
1,3-Dichlorobenzene	ug/m3	<0.79	<0.79		25	
1,4-Dichlorobenzene	ug/m3	<1.4	<1.4		25	
2-Butanone (MEK)	ug/m3	10	10.4	4	25	
2-Hexanone	ug/m3	1.4J	<0.69		25	
2-Propanol	ug/m3	6.4	6.7	5	25	
4-Ethyltoluene	ug/m3	2.1J	2.1J		25	
4-Methyl-2-pentanone (MIBK)	ug/m3	<0.50	<0.50		25	
Acetone	ug/m3	102	105	3	25	
Benzene	ug/m3	2.0	2.1	3	25	
Benzyl chloride	ug/m3	<1.4	<1.4		25	
Bromodichloromethane	ug/m3	0.70J	0.73J		25	
Bromoform	ug/m3	<2.5	<2.5		25	
Bromomethane	ug/m3	<0.23	<0.23		25	
Carbon disulfide	ug/m3	0.23J	<0.20		25	
Carbon tetrachloride	ug/m3	<0.43	<0.43		25	
Chlorobenzene	ug/m3	<0.24	<0.24		25	
Chloroethane	ug/m3	<0.35	<0.35		25	
Chloroform	ug/m3	2.2	2.4	10	25	
Chloromethane	ug/m3	0.55J	0.76		25	
cis-1,2-Dichloroethene	ug/m3	<0.30	<0.30		25	
cis-1,3-Dichloropropene	ug/m3	<0.40	<0.40		25	
Cyclohexane	ug/m3	2.5J	2.5J		25	
Dibromochloromethane	ug/m3	<0.80	<0.80		25	
Dichlorodifluoromethane	ug/m3	2.3	2.3	1	25	
Dichlorotetrafluoroethane	ug/m3	<0.31	<0.31		25	
Ethanol	ug/m3	577	588	2	25	
Ethyl acetate	ug/m3	8.5	8.7	2	25	
Ethylbenzene	ug/m3	1.7J	1.7J		25	
Hexachloro-1,3-butadiene	ug/m3	<1.9	<1.9		25	
m&p-Xylene	ug/m3	3.5J	3.5J		25	
Methyl-tert-butyl ether	ug/m3	<0.20	<0.20		25	
Methylene Chloride	ug/m3	<0.92	<0.92		25	
n-Heptane	ug/m3	<0.28	<0.28		25	

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QUALITY CONTROL DATA

Project: 200030 Econocare

Pace Project No.: 10604924

SAMPLE DUPLICATE: 4311394

Parameter	Units	10604924001 Result	Dup Result	RPD	Max RPD	Qualifiers
n-Hexane	ug/m3	1.9J	2.0J		25	
Naphthalene	ug/m3	<3.4	<3.4		25	
o-Xylene	ug/m3	1.4	1.4J		25	
Propylene	ug/m3	<0.20	<0.20		25	
Styrene	ug/m3	1.4J	1.4J		25	
Tetrachloroethene	ug/m3	0.66J	0.69J		25	
Tetrahydrofuran	ug/m3	<0.28	<0.28		25	
Toluene	ug/m3	3.2	3.2	0	25	
trans-1,2-Dichloroethene	ug/m3	<0.26	<0.26		25	
trans-1,3-Dichloropropene	ug/m3	<0.84	<0.84		25	
Trichloroethene	ug/m3	0.34J	0.35J		25	
Trichlorofluoromethane	ug/m3	6.6	6.9	3	25	
Vinyl acetate	ug/m3	<0.32	<0.32		25	
Vinyl chloride	ug/m3	<0.13	<0.13		25	

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QUALIFIERS

Project: 200030 Econocare

Pace Project No.: 10604924

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, percent moisture, initial weight and final volume.

LOQ - Limit of Quantitation adjusted for dilution factor, percent moisture, initial weight and final volume.

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.

ANALYTE QUALIFIERS

C8 Result may be biased high due to carryover from previously analyzed sample.

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

MN The reporting limit has been raised in accordance with Minnesota Statutes 4740.2100 Subpart 8. C, D. Reporting Limit Evaluation Rule.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 200030 Econocare
Pace Project No.: 10604924

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10604924001	200030-926 Derby-IA-B	TO-15	812867		
10604924002	200030-926 Derby-IA-1	TO-15	812867		
10604924003	200030-926 Derby-SSV-1	TO-15	812867		

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.

52829

Page: 1 of 1

Section A Required Client Information: Company: <u>EnviroForensics</u> Address: <u>N16 W 23370 Store Rd</u> <u>Waukesha, WI</u> Email To: <u>rhoverman@enviroforensics.com</u> Phone: _____ Fax: _____ Requested Due Date/TAT: _____	Section B Required Project Information: Report To: <u>Rob Hoyerman</u> Copy To: _____ Purchase Order No.: <u>2022-0108</u> Project Name: <u>Econocare</u> Project Number: <u>200030</u>	Section C Invoice Information: Attention: <u>Accounts Payable</u> Company Name: _____ Address: _____ Pace Quote Reference: <u>accounts.payable@enviroforensics.com</u> Pace Project Manager/Sales Rep. _____ Pace Profile #: <u>44023</u>	Program <input type="checkbox"/> UST <input type="checkbox"/> Superfund <input type="checkbox"/> Emissions <input type="checkbox"/> Clean Air Act <input type="checkbox"/> Voluntary Clean Up <input type="checkbox"/> Dry Clean <input type="checkbox"/> RCRA <input type="checkbox"/> Other _____ Location of Sampling by State: <u>WI</u> Reporting Units ug/m ³ <input checked="" type="checkbox"/> mg/m ³ _____ PPBV _____ PPMV _____ Other _____ Report Level II. ___ III. ___ IV. ___ Other _____
--	--	---	--

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 - in Hg)	Canister Pressure (Final Field - in Hg)	Summa Can Number	Flow Control Number	Method: PM10 3c - Fixed Gas (%) To-3 BTEX To-3M (Methane) To-14 To-15 Full List VOCs To-15 Short List BTEX To-15 Short List Chlorinated To-15 Short List (Other)	Pace Lab ID
					COMPOSITE START		COMPOSITE - END/GRAB							
					DATE	TIME	DATE	TIME						
1	200030-926 Derby-1A-B	6LC	4/11/22	1600	4/12/22	1558	-28	-4	0795	0049	X	001		
2	200030-926 Derby-1A-1	6LC	4/11/22	1600	↓	1600	-30	-4	3320	0150	X	002		
3	200030-926 Derby-85V-1	1LC	4/12/22	1640	↓	1645	-30	-5	3030	3396	X	003		
4														
5														
6														
7														
8														
9														
10														
11														
12														

Comments :	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS							
		<u>KBrown</u>	<u>4/13/22</u>	<u>1630</u>	<u>RedEX</u>	<u>4/13/22</u>	<u>1630</u>	Temp in °C	Received on Ice	Custody Sealed Cooler	Samples Intact	Y/N	Y/N	Y/N
				<u>Matt for Pace</u>	<u>4-18-22</u>	<u>12:23</u>					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: <u>Rebecca Brown</u>	SIGNATURE of SAMPLER: <u>[Signature]</u>	DATE Signed (MM/DD/YYYY): <u>4/13/22</u>			

Page 17 of 18

WO#: 10604924

10604924

Air Sample Condition Upon Receipt
Client Name: EnviroForensics
Project #: WO# : 10604924
Courier: FedEx UPS USPS Client
 Pace Speedee Commercial
Tracking Number: 9753 8450 5650 See Exception
Custody Seal on Cooler/Box Present? Yes No
Seals Intact? Yes No
Packing Material: Bubble Wrap Bubble Bags Foam
 None Tin Can Other: _____

WO# : 10604924
 PM: CT1 Due Date: 04/25/22
 CLIENT: EnviroForen

Date & Initials of Person Examining Contents: 4-18-22 MI

Comments:

Chain of Custody Present?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		1.
Chain of Custody Filled Out?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		2.
Chain of Custody Relinquished?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		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		5.
Short Hold Time Analysis (<72 hr)?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No		6.
Rush Turn Around Time Requested?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No		7.
Sufficient Volume?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		8.
Correct Containers Used? (Tedlar bags not acceptable container for TO-15 or APH)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		9. IA-1 FC is 1050, not 150.
-Pace Containers Used?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		
Containers Intact? (visual inspection/no leaks when pressurized)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		10.
Media: <u>Air Can</u> Airbag				11. Individually Certified Cans? Y <u>N</u> (list which samples)
Is sufficient information available to reconcile samples to the COC?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		12.
Do cans need to be pressurized? (DO NOT PRESSURIZE 3C or ASTM 1946!!!)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		13.

Gauge #: 10AIR26 10AIR34 10AIR35 10AIR17 10AIR47 10AIR48

Canisters					Canisters				
Sample Number	Can ID	Flow Controller	Initial Pressure	Final Pressure	Sample Number	Can ID	Flow Controller	Initial Pressure	Final Pressure
FA-B	795	49	-4	+5					
IA-1	3320	1050	-3.5	+5					
55V-1	3030	3396	-4.5	+10					
Unused	3436	1035	-28	-					

CLIENT NOTIFICATION/RESOLUTION Field Data Required? Yes No
 Person Contacted: _____ Date/Time: _____
 Comments/Resolution: _____

Project Manager Review: Carolynne Trout Date: 4/19/22
 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).