

**EMSL Analytical, Inc.**

200 Route 130 North, Cinnaminson, NJ 08077

Phone/Fax: (856)858-4800 / (856)858-4571

<http://www.EMSL.com> to15lab@EMSL.com

EMSL Order #:	491800000
EMSL Sample #:	491800000-1
Customer ID:	EMSL50
Customer PO:	Not Available

Attn: **Lance Romance**
EMSL Analytical- Air Toxics Lab
200 US Route 130N
Cinnaminson, NJ 08077

Phone: **800-220-3675**
 Fax: **856-786-0327**
 Date Collected: **Not Provided**
 Date Received: **Not Provided**

Project: **Example Report for Clients**Sample ID: **Barbs' Bird Room**

<u>Analysis</u>	<u>Analysis Date</u>	<u>Analyst Init.</u>	<u>Lab File ID</u>	<u>Canister ID</u>	<u>Sample Vol.</u>	<u>Dil. Factor</u>
Initial	02/13/2018	KW	K14736.D	HD4365	250 cc	1
Dilution1	02/14/2018	KW	K14753.D	HD4365	50 cc	5

Total Volatile Organic Compounds (TVOC) Summary- PPMV

<u>Target Compounds</u>	<u>CAS#</u>	<u>MW</u>	<u>Result ppmv</u>	<u>RL ppmv</u>	<u>Q</u>	<u>Result mg/m3</u>	<u>RL mg/m3</u>	<u>Comments</u>
Chloromethane	74-87-3	50.49	0.00078	0.00050		0.0016	0.0010	
n-Butane	106-97-8	58.12	0.065	0.0025	D	0.16	0.0059	<i>Reported Dilution #1</i>
Ethanol	64-17-5	46.07	0.45	0.0025	DE	0.85	0.0047	<i>Reported Dilution #1</i>
Isopropyl alcohol(2-Propanol)	67-63-0	60.10	0.017	0.00050		0.041	0.0012	
Acetone	67-64-1	58.08	0.048	0.0025	D	0.12	0.0059	<i>Reported Dilution #1</i>
n-Hexane	110-54-3	86.17	0.00080	0.00050		0.0028	0.0018	
2-Butanone(MEK)	78-93-3	72.10	0.0015	0.00050		0.0044	0.0015	
Ethyl acetate	141-78-6	88.10	0.0044	0.00050		0.016	0.0018	
Chloroform	67-66-3	119.40	0.0010	0.00050		0.0051	0.0024	
2,2,4-Trimethylpentane(Isooctane)	540-84-1	114.20	0.00085	0.00050		0.0040	0.0023	
Benzene	71-43-2	78.11	0.0017	0.00050		0.0054	0.0016	
Toluene	108-88-3	92.14	0.0037	0.00050		0.014	0.0019	
Tetrachloroethene	127-18-4	165.80	0.0030	0.00050		0.020	0.0034	
Ethylbenzene	100-41-4	106.20	0.00063	0.00050		0.0027	0.0022	
Xylene (p,m)	1330-20-7	106.20	0.0019	0.0010		0.0083	0.0043	
Xylene (Ortho)	95-47-6	106.20	0.00074	0.00050		0.0032	0.0022	
4-Ethyltoluene	622-96-8	120.2	0.0013	0.00050		0.0064	0.0025	
1,2,4-Trimethylbenzene	95-63-6	120.20	0.0017	0.00050		0.0082	0.0025	
Total Target Compound Concentrations:			0.60	ppmv		1.3	mg/m3	

Qualifier Definitions

B = Compound also found in method blank.

E = Estimated concentration exceeding upper calibration range.

D = Result reported from diluted analysis.

<u>Tentatively Identified Compounds</u>	<u>CAS#</u>	<u>MW(1)</u>	<u>Result ppmv</u>	<u>Q</u>	<u>Result mg/m3</u>	<u>Retention Time</u>	<u>Comments</u>
Ethane, 1,1-difluoro-	000075-37-6	66	0.036	JN	0.097	5.51	
Isobutane	000075-28-5	58	0.017	JN	0.041	6.02	
Acetaldehyde	000075-07-0	44	0.0023	JN	0.0041	6.94	
Carbonyl sulfide	000463-58-1	60	0.008	JN	0.02	7.56	
Butane, 2-methyl-	000078-78-4	72	0.0066	JN	0.019	8.09	
Pentane	000109-66-0	72	0.0032	JN	0.0094	9.04	
Cyclopentane	000287-92-3	70	0.0022	JN	0.0063	13.45	
Unknown		92	0.0019	JN	0.0072	15.68	
Nonane	000111-84-2	128	0.0021	JN	0.011	25.10	
Unknown		92	0.0021	JN	0.0078	27.20	
Decane	000124-18-5	142	0.009	JN	0.052	27.41	
Unknown		92	0.0022	JN	0.0082	27.66	
Unknown		92	0.0027	JN	0.01	27.84	
Cyclohexane, butyl-	001678-93-9	140	0.0024	JN	0.014	28.87	
D-Limonene	005989-27-5	136	0.006	JN	0.033	29.11	
Undecane	001120-21-4	156	0.0033	JN	0.021	29.46	
Total TIC Concentrations:			0.11	ppmv	0.36	mg/m3	

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Total Volatile Organic Compounds (TVOC) Summary- PPMVQualifier Definitions

(1) = If unknown, MW is assigned as equivalent Toluene (92) for ug/m3 conversion purposes.

B = Compound also found in method blank.

J= Estimated value based on a 1:1 response to internal standard.

N= Presumptive evidence of compound based on library match.

Total Volatile Organic Compounds (TVOCs): **0.71 ppmv** **1.7 mg/m3**