

**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](mailto:to15lab@EMSL.com)

EMSL Order #: **491900000**  
 EMSL Sample #: **491900000-1**  
 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: **Barb's Bird Room**

Analysis	Analysis Date	Analyst Init.	Lab File ID	Canister ID	Sample Vol.	Dil. Factor
Initial	04/24/2018	KW	L1792.D	HD2761	250 cc	1
Dilution1	04/20/2018	KW	L1773.D	HD2761	25 cc	10
Dilution2	04/24/2018	TP	L1798.D	HD2761	25 cc	30

**USEPA Industrial Regional Screening Levels (RSL) at THQ 0.1**

Target Compounds	Tox. Basis	CAS#	MW	Result ppbv	Q	Result ug/m3	Carcinogenic ug/m3	>	Non-Carcin. ug/m3	>
Propylene	NC	115-07-1	42.08	ND		ND	N.E.		1300	
Freon 12(Dichlorodifluoromethane)	NC	75-71-8	120.90	ND		ND	N.E.		44.0	
Freon 114(1,2-Dichlorotetrafluoroethan	--	76-14-2	170.90	ND		ND	N.E.		N.E.	
Chloromethane	NC	74-87-3	50.49	0.67		1.4	N.E.		39.0	
n-Butane	--	106-97-8	58.12	630	D	1500	N.E.		N.E.	
Vinyl chloride	C	75-01-4	62.50	ND		ND	2.80		44.0	
1,3-Butadiene	C	106-99-0	54.09	ND		ND	0.410		0.880	
Bromomethane	NC	74-83-9	94.94	ND		ND	N.E.		2.20	
Chloroethane	NC	75-00-3	64.52	ND		ND	N.E.		4400	
Ethanol	--	64-17-5	46.07	2.6		4.9	N.E.		N.E.	
Bromoethene(Vinyl bromide)	C	593-60-2	106.90	ND		ND	0.380		1.30	
Freon 11(Trichlorofluoromethane)	--	75-69-4	137.40	ND		ND	N.E.		N.E.	
Isopropyl alcohol(2-Propanol)	NC	67-63-0	60.10	ND		ND	N.E.		88.0	
Freon 113(1,1,2-Trichlorotrifluoroethan	NC	76-13-1	187.40	ND		ND	N.E.		2200	
Acetone	NC	67-64-1	58.08	4.6		11	N.E.		14000	
1,1-Dichloroethene	NC	75-35-4	96.94	ND		ND	N.E.		88.0	
Acetonitrile	NC	75-05-8	41.00	ND		ND	N.E.		26.0	
Tertiary butyl alcohol(TBA)	--	75-65-0	74.12	ND		ND	N.E.		N.E.	
Bromoethane(Ethyl bromide)	--	74-96-4	108.00	ND		ND	N.E.		N.E.	
3-Chloropropene(Allyl chloride)	C	107-05-1	76.53	ND		ND	2.00		0.440	
Carbon disulfide	NC	75-15-0	76.14	ND		ND	N.E.		310	
Methylene chloride	C	75-09-2	84.94	ND		ND	1200		260	
Acrylonitrile	C	107-13-1	53.00	ND		ND	0.180		0.880	
Methyl-tert-butyl ether(MTBE)	C	1634-04-4	88.15	ND		ND	47.0		1300	
trans-1,2-Dichloroethene	--	156-60-5	96.94	ND		ND	N.E.		N.E.	
n-Hexane	NC	110-54-3	86.17	220	D	770	N.E.		310	
1,1-Dichloroethane	C	75-34-3	98.96	ND		ND	7.70		N.E.	
Vinyl acetate	NC	108-05-4	86.00	1.2		4.3	N.E.		88.0	
2-Butanone(MEK)	NC	78-93-3	72.10	ND		ND	N.E.		2200	
cis-1,2-Dichloroethene	--	156-59-2	96.94	ND		ND	N.E.		N.E.	
Ethyl acetate	NC	141-78-6	88.10	ND		ND	N.E.		31.0	
Chloroform	C	67-66-3	119.40	ND		ND	0.530		43.0	
Tetrahydrofuran	NC	109-99-9	72.11	ND		ND	N.E.		880	
1,1,1-Trichloroethane	NC	71-55-6	133.40	ND		ND	N.E.		2200	
Cyclohexane	NC	110-82-7	84.16	34		120	N.E.		2600	
2,2,4-Trimethylpentane(Isooctane)	--	540-84-1	114.20	100	D	480	N.E.		N.E.	
Carbon tetrachloride	C	56-23-5	153.80	ND		ND	2.00		44.0	
n-Heptane	NC	142-82-5	100.20	15		63	N.E.		180	
1,2-Dichloroethane	C	107-06-2	98.96	ND		ND	0.470		3.10	
Benzene	C	71-43-2	78.11	13		42	1.60		13.0	
Trichloroethene	C	79-01-6	131.40	ND		ND	3.00		0.880	
1,2-Dichloropropane	C	78-87-5	113.00	ND		ND	3.30		1.80	
Methyl Methacrylate	NC	80-62-6	100.12	ND		ND	N.E.		310	
Bromodichloromethane	C	75-27-4	163.80	ND		ND	0.330		N.E.	

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**USEPA Industrial Regional Screening Levels (RSL) at THQ 0.1**

Target Compounds	Tox. Basis	CAS#	MW	Result ppbv	Q	Result ug/m3	Carcinogenic ug/m3	>	Non-Carcin. ug/m3	>
1,4-Dioxane	C	123-91-1	88.12	ND		ND	2.50		13.0	
4-Methyl-2-pentanone(MIBK)	NC	108-10-1	100.20	ND		ND	N.E.		1300	
cis-1,3-Dichloropropene**	C	10061-01-5	111.00	ND		ND	3.10		8.80	
Toluene	NC	108-88-3	92.14	7.7		29	N.E.		2200	
trans-1,3-Dichloropropene**	C	10061-02-6	111.00	ND		ND	3.10		8.80	
1,1,2-Trichloroethane	C	79-00-5	133.40	ND		ND	0.770		0.0880	
2-Hexanone(MBK)	NC	591-78-6	100.10	ND		ND	N.E.		13.0	
Tetrachloroethene	C	127-18-4	165.80	ND		ND	47.0		18.0	
Dibromochloromethane	--	124-48-1	208.30	ND		ND	N.E.		N.E.	
1,2-Dibromoethane	C	106-93-4	187.80	ND		ND	0.0200		3.90	
Chlorobenzene	NC	108-90-7	112.60	ND		ND	N.E.		22.0	
Ethylbenzene	C	100-41-4	106.20	1.0		4.5	4.90		440	
Xylene (p,m)	NC	1330-20-7	106.20	3.3		14	N.E.		44.0	
Xylene (Ortho)	NC	95-47-6	106.20	1.9		8.4	N.E.		44.0	
Styrene	NC	100-42-5	104.10	ND		ND	N.E.		440	
Isopropylbenzene (cumene)	NC	98-82-8	120.19	ND		ND	N.E.		180	
Bromoform	C	75-25-2	252.80	ND		ND	11.0		N.E.	
1,1,2,2-Tetrachloroethane	C	79-34-5	167.90	ND		ND	0.210		N.E.	
4-Ethyltoluene	--	622-96-8	120.20	ND		ND	N.E.		N.E.	
1,3,5-Trimethylbenzene	NC	108-67-8	120.20	ND		ND	N.E.		26.0	
2-Chlorotoluene	--	95-49-8	126.60	ND		ND	N.E.		N.E.	
1,2,4-Trimethylbenzene	NC	95-63-6	120.20	ND		ND	N.E.		26.0	
1,3-Dichlorobenzene	--	541-73-1	147.00	ND		ND	N.E.		N.E.	
1,4-Dichlorobenzene	C	106-46-7	147.00	ND		ND	1.10		350	
Benzyl chloride	C	100-44-7	126.00	ND		ND	0.250		0.440	
1,2-Dichlorobenzene	NC	95-50-1	147.00	ND		ND	N.E.		88.0	
1,2,4-Trichlorobenzene	NC	120-82-1	181.50	ND		ND	N.E.		0.880	
Hexachloro-1,3-butadiene	C	87-68-3	260.80	ND		ND	0.560		N.E.	
Naphthalene	C	91-20-3	128.17	ND		ND	0.360		1.30	

\*\*The concentrations of each isomer should be added if multiple isomers are present and compared to the total screening level.

The > column is used to flag exceedences as marked

Exposure Limit Definitions

RSL= Regional Screening Level at Target Hazard Quotient (THQ) =0.1 if available, otherwise THQ = 1

Agency Definitions

USEPA= United States Environmental Protection Agency

Reference

EPA Regionional Screening Levels (RSL) Table, Nov 2018

Toxicity Class (EPA Regionional Screening Levels (RSL) Table, Nov 2018)Carcinogenic (C) Exceedence

Value exceeds the theoretical risk that 1 additional case of cancer will occur in a population of 1 million than statistically expected. Thus is a theoretical risk and not an actual epidemiological one.

NonCarcinogenic (NC) Exceedence

Value exceeds the theoretical risk that 1 in a population of 100,000 will experience deliterious health effects. Thus is a theoretical risk and not an actual epidemiological one.

Compound Exposure Definitions

NE= No Limit Established

LFC= Lowest Feasible Concentration

NS= No Sscreening Value

Qualifier Definitions

ND = Non Detect

B = Compound also found in method blank.

E= Estimated concentration exceeding upper calibration range.

D= Result reported from diluted analysis.