

**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 #: **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

CA HHSL= California Human Health Screening Levels (CHHSLs) for Shallow Soil Gas (<5')

Target Compounds	Tox. Basis	CAS#	MW	Result ppbv	Q	Result ug/m3	Residential ug/m3	>	Non-Res. ug/m3	>
Propylene	NC	115-07-1	42.08	ND		ND	N.E.		N.E.	
Freon 12(Dichlorodifluoromethane)	NC	75-71-8	120.90	ND		ND	N.E.		N.E.	
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.		N.E.	
n-Butane	--	106-97-8	58.12	630	D	1500	N.E.		N.E.	
Vinyl chloride	C	75-01-4	62.50	ND		ND	13.3		13.3	
1,3-Butadiene	C	106-99-0	54.09	ND		ND	N.E.		N.E.	
Bromomethane	NC	74-83-9	94.94	ND		ND	N.E.		N.E.	
Chloroethane	NC	75-00-3	64.52	ND		ND	N.E.		N.E.	
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	N.E.		N.E.	
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.		N.E.	
Freon 113(1,1,2-Trichlorotrifluoroethan	NC	76-13-1	187.40	ND		ND	N.E.		N.E.	
Acetone	NC	67-64-1	58.08	4.6		11	N.E.		N.E.	
1,1-Dichloroethene	NC	75-35-4	96.94	ND		ND	N.E.		N.E.	
Acetonitrile	NC	75-05-8	41.00	ND		ND	N.E.		N.E.	
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	N.E.		N.E.	
Carbon disulfide	NC	75-15-0	76.14	ND		ND	N.E.		N.E.	
Methylene chloride	C	75-09-2	84.94	ND		ND	N.E.		N.E.	
Acrylonitrile	C	107-13-1	53.00	ND		ND	N.E.		N.E.	
Methyl-tert-butyl ether(MTBE)	C	1634-04-4	88.15	ND		ND	4000		13400	
trans-1,2-Dichloroethene	--	156-60-5	96.94	ND		ND	31900		88700	
n-Hexane	NC	110-54-3	86.17	220	D	770	N.E.		N.E.	
1,1-Dichloroethane	C	75-34-3	98.96	ND		ND	N.E.		N.E.	
Vinyl acetate	NC	108-05-4	86.00	1.2		4.3	N.E.		N.E.	
2-Butanone(MEK)	NC	78-93-3	72.10	ND		ND	N.E.		N.E.	
cis-1,2-Dichloroethene	--	156-59-2	96.94	ND		ND	15900		44400	
Ethyl acetate	NC	141-78-6	88.10	ND		ND	N.E.		N.E.	
Chloroform	C	67-66-3	119.40	ND		ND	N.E.		N.E.	
Tetrahydrofuran	NC	109-99-9	72.11	ND		ND	N.E.		N.E.	
1,1,1-Trichloroethane	NC	71-55-6	133.40	ND		ND	991000		2790000	
Cyclohexane	NC	110-82-7	84.16	34		120	N.E.		N.E.	
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	25.1		84.6	
n-Heptane	NC	142-82-5	100.20	15		63	N.E.		N.E.	
1,2-Dichloroethane	C	107-06-2	98.96	ND		ND	49.6		167	
Benzene	C	71-43-2	78.11	13		42	36.2		122	
Trichloroethene	C	79-01-6	131.40	ND		ND	528		1770	
1,2-Dichloropropane	C	78-87-5	113.00	ND		ND	N.E.		N.E.	
Methyl Methacrylate	NC	80-62-6	100.12	ND		ND	N.E.		N.E.	
Bromodichloromethane	C	75-27-4	163.80	ND		ND	N.E.		N.E.	

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Target Compounds	Tox. Basis	CAS#	MW	Result ppbv	Q	Result ug/m3	Residential ug/m3	>	Non-Res. ug/m3	>
1,4-Dioxane	C	123-91-1	88.12	ND		ND	N.E.		N.E.	
4-Methyl-2-pentanone(MIBK)	NC	108-10-1	100.20	ND		ND	N.E.		N.E.	
cis-1,3-Dichloropropene**	C	10061-01-5	111.00	ND		ND	N.E.		N.E.	
Toluene	NC	108-88-3	92.14	7.7		29	135000		378000	
trans-1,3-Dichloropropene**	C	10061-02-6	111.00	ND		ND	N.E.		N.E.	
1,1,2-Trichloroethane	C	79-00-5	133.40	ND		ND	N.E.		N.E.	
2-Hexanone(MBK)	NC	591-78-6	100.10	ND		ND	N.E.		N.E.	
Tetrachloroethene	C	127-18-4	165.80	ND		ND	180		603	
Dibromochloromethane	--	124-48-1	208.30	ND		ND	N.E.		N.E.	
1,2-Dibromoethane	C	106-93-4	187.80	ND		ND	N.E.		N.E.	
Chlorobenzene	NC	108-90-7	112.60	ND		ND	N.E.		N.E.	
Ethylbenzene	C	100-41-4	106.20	1.0		4.5	N.E.		N.E.	
Xylene (p,m)	NC	1330-20-7	106.20	3.3		14	317000		887000	
Xylene (Ortho)	NC	95-47-6	106.20	1.9		8.4	315000		879000	
Styrene	NC	100-42-5	104.10	ND		ND	N.E.		N.E.	
Isopropylbenzene (cumene)	NC	98-82-8	120.19	ND		ND	N.E.		N.E.	
Bromoform	C	75-25-2	252.80	ND		ND	N.E.		N.E.	
1,1,2,2-Tetrachloroethane	C	79-34-5	167.90	ND		ND	N.E.		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.		N.E.	
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.		N.E.	
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	N.E.		N.E.	
Benzyl chloride	C	100-44-7	126.00	ND		ND	N.E.		N.E.	
1,2-Dichlorobenzene	NC	95-50-1	147.00	ND		ND	N.E.		N.E.	
1,2,4-Trichlorobenzene	NC	120-82-1	181.50	ND		ND	N.E.		N.E.	
Hexachloro-1,3-butadiene	C	87-68-3	260.80	ND		ND	N.E.		N.E.	
Naphthalene	C	91-20-3	128.17	ND		ND	31.9		106	

**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

RBC= Risk Based Concentration

Agency Definitions

CA HHSL= California Human Health Screening Levels (CHHSLs)

Reference

California Environmental Protection Agency (Cal/EPA), Human-Exposure-Based Screening Numbers Developed To Aid Estimation of Cleanup Costs for Contaminated Soil, OEHHA (November 2004) Toxicity Class (EPA Regional 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 Screening 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.