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

California Office of Environmental Health Hazard Assessment

Target Compounds	Tox. Basis	CAS#	MW	Result ppbv	Q	Result ug/m3	Chronic REL ug/m3	>	Acute REL ug/m3	>
Propylene	NC	115-07-1	42.08	ND		ND	3000		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	N.E.		180000	
1,3-Butadiene	C	106-99-0	54.09	ND		ND	20.0		N.E.	
Bromomethane	NC	74-83-9	94.94	ND		ND	5.00		3900	
Chloroethane	NC	75-00-3	64.52	ND		ND	30000		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	7000		3200	
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	70.0		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	800		6200	
Methylene chloride	C	75-09-2	84.94	ND		ND	400		14000	
Acrylonitrile	C	107-13-1	53.00	ND		ND	5.00		N.E.	
Methyl-tert-butyl ether(MTBE)	C	1634-04-4	88.15	ND		ND	8000		N.E.	
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**	7000		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**	200		N.E.	
2-Butanone(MEK)	NC	78-93-3	72.10	ND		ND	N.E.		13000	
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.		N.E.	
Chloroform	C	67-66-3	119.40	ND		ND	300		150	
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	1000		68000	
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	40.0		1900	
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	400		N.E.	
Benzene	C	71-43-2	78.11	**13**		**42**	60.0		1300	
Trichloroethene	C	79-01-6	131.40	ND		ND	600		N.E.	
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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California Office of Environmental Health Hazard Assessment

Target Compounds	Tox. Basis	CAS#	MW	Result ppbv	Q	Result ug/m3	Chronic REL ug/m3	>	Acute REL ug/m3	>
1,4-Dioxane	C	123-91-1	88.12	ND		ND	3000		3000	
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**	300		37000	
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	35.0		20000	
Dibromochloromethane	--	124-48-1	208.30	ND		ND	N.E.		N.E.	
1,2-Dibromoethane	C	106-93-4	187.80	ND		ND	0.800		N.E.	
Chlorobenzene	NC	108-90-7	112.60	ND		ND	1000		N.E.	
Ethylbenzene	C	100-41-4	106.20	**1.0**		**4.5**	2000		N.E.	
Xylene (p,m)	NC	1330-20-7	106.20	**3.3**		**14**	700		22000	
Xylene (Ortho)	NC	95-47-6	106.20	**1.9**		**8.4**	700		22000	
Styrene	NC	100-42-5	104.10	ND		ND	900		21000	
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	800		N.E.	
Benzyl chloride	C	100-44-7	126.00	ND		ND	N.E.		240	
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	9.00		N.E.	

**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
REL= Recommended Exposure Limit

Agency Definitions
CA OEHHA= California Office of Environmental Health Hazard Assessment

Reference
CA OEHHA Acute, 8-hour and Chronic Reference Exposure Levels (chRELs),February 2012

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.