

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110325\
 Data File : VL043139.D
 Acq On : 03 Nov 2025 09:48
 Operator : SY/MD
 Sample : QC103025 CAN 10675
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 QC103025 CAN 10675

Quant Time: Nov 04 03:06:58 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Oct 15 02:12:58 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	2.784	49	120331	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.952	114	398565	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.875	117	354160	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.371	95	268750	9.763	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.600%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.700	85	45	0.003	ppbv #	43
3) Chlorodifluoromethane	1.499	51	23	0.001	ppbv #	1
4) Chloromethane	1.535	50	46	0.007	ppbv #	43
5) Vinyl Chloride	1.619	62	23	0.003	ppbv #	1
6) Bromomethane	1.700	94	79	0.022	ppbv #	4
7) Chloroethane	1.661	64	54	0.020	ppbv #	42
8) Dichlorotetrafluoroethane	1.700	85	45	0.003	ppbv #	50
10) Heptane	4.868	43	30	0.001	ppbv #	79
11) Trichlorofluoromethane	1.696	101	41	0.002	ppbv #	73
12) 1,1,2-Trichlorotrifluo...	1.696	101	41	0.003	ppbv #	16
14) Bromoethene	1.949	108	27	0.005	ppbv #	1
16) 1,3-Butadiene	1.619	39	182	0.024	ppbv #	71
17) tert-Butyl alcohol	2.036	59	199	0.009	ppbv #	1
18) 1,1-Dichloroethene	2.036	96	31	0.005	ppbv #	1
21) Allyl Chloride	2.091	41	107	0.009	ppbv #	21
22) trans-1,2-Dichloroethene	2.396	96	39	0.006	ppbv #	14
23) Vinyl Acetate	2.457	43	292	0.012	ppbv #	53
24) 1,1-Dichloroethane	2.412	63	22	0.002	ppbv #	87
25) Ethyl Acetate	2.832	43	101	0.003	ppbv #	75
26) Hexane	2.823	57	186	0.010	ppbv #	37
27) Carbon Disulfide	2.146	76	49	0.003	ppbv #	60
28) Methyl tert-Butyl Ether	2.460	73	40	0.005	ppbv #	1
29) Chloroform	2.842	83	26	0.001	ppbv #	18
30) Cyclohexane	3.939	84	277	0.017	ppbv #	12
31) cis-1,2-Dichloroethene	2.784	61	31	0.002	ppbv #	25
32) 1,1,1-Trichloroethane	3.179	97	45	0.002	ppbv #	23
35) Carbon Tetrachloride	3.525	117	33	0.001	ppbv #	12
36) Benzene	3.651	78	58	0.002	ppbv #	82
37) 1,2-Dichloroethane	3.208	62	35	0.002	ppbv #	79
38) Trichloroethene	4.185	130	23	0.001	ppbv #	3
40) 1,4-Dioxane	4.532	88	35	0.006	ppbv #	7
41) Tetrahydrofuran	3.046	42	91	0.006	ppbv #	37
42) Bromodichloromethane	4.409	83	27	0.001	ppbv #	25
43) Methyl Methacrylate	4.859	69	40	0.002	ppbv #	1
44) 2,2,4-Trimethylpentane	4.545	57	14	0.000	ppbv #	1
47) 1,1,2-Trichloroethane	6.891	97	24	0.002	ppbv #	17
48) Dibromochloromethane	7.066	129	15	0.001	ppbv #	10
50) 4-Methyl-2-Pentanone	5.736	43	38	0.001	ppbv #	38
51) 2-Hexanone	7.412	43	32	0.001	ppbv #	27
53) Toluene	6.448	91	35	0.001	ppbv	87
54) 1,2-Dibromoethane	7.817	107	25	0.001	ppbv #	4
56) 1,1,1,2-Tetrachloroethane	8.934	131	20	0.001	ppbv #	1
58) Ethyl Benzene	9.358	91	43	0.001	ppbv #	44

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59) m/p-Xylene	9.532	91	22	0.000	ppbv #	1
60) o-Xylene	9.956	91	108	0.002	ppbv	84
61) Styrene	10.157	104	31	0.001	ppbv #	29
62) Isopropylbenzene	10.387	105	15	0.000	ppbv #	50
63) 1,1,2,2-Tetrachloroethane	10.374	83	134	0.004	ppbv #	1
64) n-propylbenzene	11.209	120	38	0.002	ppbv #	1
65) tert-Butylbenzene	11.520	119	39	0.001	ppbv #	1
66) Benzyl Chloride	11.578	91	24	0.003	ppbv #	1
67) sec-Butylbenzene	11.766	105	400	0.004	ppbv #	57
69) p-Isopropyltoluene	11.918	119	47	0.001	ppbv #	9
70) n-Butylbenzene	12.280	91	37	0.000	ppbv #	66
71) 2-Chlorotoluene	11.355	91	41	0.001	ppbv	90
72) 4-Ethyltoluene	11.109	105	26	0.000	ppbv #	55
73) 1,3,5-Trimethylbenzene	11.202	105	169	0.003	ppbv #	28
74) 1,2,4-Trimethylbenzene	11.536	105	498	0.009	ppbv #	74
75) 1,3-Dichlorobenzene	11.601	146	27	0.001	ppbv #	1
76) 1,4-Dichlorobenzene	11.601	146	27	0.001	ppbv #	1
77) 1,2-Dichlorobenzene	11.947	146	48	0.002	ppbv #	69
78) Hexachloro-1,3-Butadiene	13.879	225	91	0.004	ppbv #	52
79) Naphthalene	13.513	128	290	0.005	ppbv #	75
80) Naphthalene,2-methyl-	14.488	142	49	0.003	ppbv #	41
81) 1,2,4-Trichlorobenzene	13.436	180	11	0.000	ppbv #	1

(#) = qualifier out of range (m) = manual integration (+) = signals summed

