

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110325\
 Data File : VL043138.D
 Acq On : 03 Nov 2025 09:17
 Operator : SY/MD
 Sample : VL1103ABL01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1103ABL01

Quant Time: Nov 04 03:06:40 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	2.787	49	123619	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.956	114	415442	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.878	117	365428	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.374	95	271264	9.550	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.500%

Target Compounds						Qvalue
3) Chlorodifluoromethane	1.476	51	65	0.003	ppbv	98
4) Chloromethane	1.538	50	155	0.022	ppbv #	43
5) Vinyl Chloride	1.693	62	24	0.004	ppbv #	44
6) Bromomethane	1.680	94	86	0.023	ppbv #	42
7) Chloroethane	1.680	64	29	0.010	ppbv #	1
9) Propene	1.492	41	159	0.019	ppbv #	15
10) Heptane	4.962	43	62	0.003	ppbv #	27
11) Trichlorofluoromethane	2.237	101	23	0.001	ppbv #	20
12) 1,1,2-Trichlorotrifluo...	2.237	101	23	0.002	ppbv #	1
14) Bromoethene	1.615	108	27	0.005	ppbv #	1
17) tert-Butyl alcohol	2.046	59	243	0.011	ppbv #	1
18) 1,1-Dichloroethene	2.033	96	12	0.002	ppbv #	1
21) Allyl Chloride	2.094	41	169	0.014	ppbv #	21
22) trans-1,2-Dichloroethene	2.344	96	66	0.009	ppbv #	1
23) Vinyl Acetate	2.460	43	267	0.011	ppbv #	1
24) 1,1-Dichloroethane	2.415	63	73	0.005	ppbv #	64
25) Ethyl Acetate	2.836	43	96	0.002	ppbv #	75
26) Hexane	2.823	57	99	0.005	ppbv #	1
27) Carbon Disulfide	2.146	76	49	0.003	ppbv #	60
28) Methyl tert-Butyl Ether	2.408	73	31	0.004	ppbv #	10
29) Chloroform	2.842	83	123	0.004	ppbv #	18
30) Cyclohexane	3.926	84	17	0.001	ppbv #	1
31) cis-1,2-Dichloroethene	2.784	61	25	0.001	ppbv #	1
32) 1,1,1-Trichloroethane	2.930	97	40	0.001	ppbv #	30
35) Carbon Tetrachloride	3.590	117	21	0.001	ppbv #	13
36) Benzene	3.658	78	185	0.005	ppbv #	57
37) 1,2-Dichloroethane	3.409	62	45	0.002	ppbv #	1
38) Trichloroethene	4.551	130	47	0.003	ppbv #	3
40) 1,4-Dioxane	4.431	88	28	0.004	ppbv #	1
41) Tetrahydrofuran	3.056	42	56	0.004	ppbv #	37
42) Bromodichloromethane	4.509	83	38	0.001	ppbv #	25
43) Methyl Methacrylate	4.878	69	61	0.003	ppbv #	1
44) 2,2,4-Trimethylpentane	4.642	57	33	0.000	ppbv #	1
45) t-1,3-Dichloropropene	6.409	75	31	0.002	ppbv #	43
46) cis-1,3-Dichloropropene	5.635	75	26	0.001	ppbv #	27
47) 1,1,2-Trichloroethane	6.354	97	57	0.004	ppbv #	17
48) Dibromochloromethane	7.390	129	65	0.003	ppbv #	28
49) Bromoform	9.477	173	137	0.007	ppbv #	56
50) 4-Methyl-2-Pentanone	5.749	43	20	0.001	ppbv #	38
51) 2-Hexanone	7.441	43	27	0.001	ppbv #	1
53) Toluene	6.927	91	69	0.001	ppbv #	1
54) 1,2-Dibromoethane	7.655	107	48	0.002	ppbv #	4
56) 1,1,1,2-Tetrachloroethane	8.930	131	42	0.002	ppbv #	1

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
57) Chlorobenzene	8.914	112	193	0.006	ppbv	#	63
58) Ethyl Benzene	9.351	91	106	0.002	ppbv	#	75
59) m/p-Xylene	9.542	91	190	0.004	ppbv	#	1
60) o-Xylene	9.963	91	193	0.004	ppbv		70
61) Styrene	9.869	104	28	0.001	ppbv	#	1
62) Isopropylbenzene	10.532	105	213	0.002	ppbv	#	50
63) 1,1,2,2-Tetrachloroethane	9.963	83	96	0.003	ppbv	#	53
64) n-propylbenzene	11.118	120	45	0.002	ppbv	#	1
65) tert-Butylbenzene	11.526	119	235	0.003	ppbv	#	19
66) Benzyl Chloride	11.610	91	32	0.004	ppbv	#	65
67) sec-Butylbenzene	11.762	105	563	0.005	ppbv	#	57
69) p-Isopropyltoluene	11.924	119	725	0.008	ppbv	#	89
70) n-Butylbenzene	12.274	91	197	0.002	ppbv	#	32
71) 2-Chlorotoluene	10.905	91	467	0.007	ppbv	#	45
72) 4-Ethyltoluene	11.125	105	396	0.007	ppbv	#	87
73) 1,3,5-Trimethylbenzene	11.202	105	253	0.005	ppbv		98
74) 1,2,4-Trimethylbenzene	11.536	105	613	0.011	ppbv	#	51
75) 1,3-Dichlorobenzene	11.610	146	396	0.012	ppbv		74
76) 1,4-Dichlorobenzene	11.672	146	439	0.013	ppbv		85
77) 1,2-Dichlorobenzene	11.950	146	755	0.024	ppbv		94
78) Hexachloro-1,3-Butadiene	13.876	225	262	0.011	ppbv	#	13
79) Naphthalene	13.513	128	1730	0.030	ppbv	#	81
80) Naphthalene,2-methyl-	14.598	142	58	0.004	ppbv		88
81) 1,2,4-Trichlorobenzene	13.426	180	25	0.001	ppbv	#	13

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

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