

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092425\
 Data File : VL043001.D
 Acq On : 24 Sep 2025 09:03
 Operator : SY/MD
 Sample : VSTDC0010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDC0010

Quant Time: Sep 25 01:50:59 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL092225AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Sep 23 02:39:16 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.787	49	149118	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	443016	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	402155	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.380	95	310628	10.347	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.500%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	218810	10.909	ppbv	97
3) Chlorodifluoromethane	1.476	51	253996	10.161	ppbv	97
4) Chloromethane	1.534	50	88250	9.721	ppbv	99
5) Vinyl Chloride	1.580	62	78198	9.528	ppbv	99
6) Bromomethane	1.670	94	29578	10.217	ppbv	97
7) Chloroethane	1.706	64	31093	9.757	ppbv	89
8) Dichlorotetrafluoroethane	1.554	85	181307	10.590	ppbv	92
9) Propene	1.486	41	92063	8.466	ppbv	95
10) Heptane	4.981	43	270509	9.321	ppbv	98
11) Trichlorofluoromethane	1.877	101	222394	11.500	ppbv	100
12) 1,1,2-Trichlorotrifluo...	2.140	101	176746	11.286	ppbv	90
13) Ethanol	1.722	45	6741	6.390	ppbv	98
14) Bromoethene	1.784	108	64377	10.873	ppbv	99
15) Acetone	1.835	43	163452	8.416	ppbv	97
16) 1,3-Butadiene	1.609	39	82946	9.054	ppbv	98
17) tert-Butyl alcohol	2.039	59	184718	8.671	ppbv	100
18) 1,1-Dichloroethene	2.036	96	76697	10.581	ppbv	94
19) Isopropyl Alcohol	1.887	45	107156	9.178	ppbv	98
20) Methylene Chloride	2.062	84	67323	11.743	ppbv	95
21) Allyl Chloride	2.098	41	131981	9.758	ppbv	99
22) trans-1,2-Dichloroethene	2.340	96	87807	10.660	ppbv	97
23) Vinyl Acetate	2.463	43	253068	9.121	ppbv	98
24) 1,1-Dichloroethane	2.411	63	167093	10.345	ppbv	97
25) Ethyl Acetate	2.835	43	473289	9.642	ppbv	99
26) Hexane	2.829	57	208408	9.314	ppbv	98
27) Carbon Disulfide	2.153	76	204123	10.171	ppbv	97
28) Methyl tert-Butyl Ether	2.444	73	114764	9.867	ppbv	93
29) Chloroform	2.848	83	326560	11.162	ppbv	98
30) Cyclohexane	3.858	84	179991	9.621	ppbv	97
31) cis-1,2-Dichloroethene	2.722	61	205449	9.802	ppbv	98
32) 1,1,1-Trichloroethane	3.370	97	320054	10.128	ppbv	99
34) 2-Butanone	2.557	43	307139	9.892	ppbv	99
35) Carbon Tetrachloride	3.764	117	346777	12.023	ppbv	97
36) Benzene	3.658	78	421500	10.132	ppbv	98
37) 1,2-Dichloroethane	3.217	62	244248	11.163	ppbv	98
38) Trichloroethene	4.551	130	215317	10.414	ppbv	97
39) 1,2-Dichloropropane	4.318	63	157562	10.375	ppbv	95
40) 1,4-Dioxane	4.580	88	67174	9.512	ppbv #	99
41) Tetrahydrofuran	3.056	42	168708	9.453	ppbv	100
42) Bromodichloromethane	4.493	83	346597	11.374	ppbv	96
43) Methyl Methacrylate	4.884	69	156524	9.196	ppbv	99
44) 2,2,4-Trimethylpentane	4.642	57	718720	10.003	ppbv	98
45) t-1,3-Dichloropropene	6.418	75	166305	9.161	ppbv	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.603	75	219958	9.507	ppbv	97
47) 1,1,2-Trichloroethane	6.583	97	171612	10.694	ppbv	94
48) Dibromochloromethane	7.393	129	301861	11.758	ppbv	100
49) Bromoform	9.487	173	277232	12.414	ppbv	98
50) 4-Methyl-2-Pentanone	5.748	43	411327	9.885	ppbv	98
51) 2-Hexanone	7.438	43	328162	9.893	ppbv #	97
52) Tetrachloroethene	8.231	164	172805	10.736	ppbv	92
53) Toluene	6.936	91	488825	9.928	ppbv	99
54) 1,2-Dibromoethane	7.658	107	244249	10.814	ppbv	96
56) 1,1,1,2-Tetrachloroethane	8.927	131	227668	11.828	ppbv	99
57) Chlorobenzene	8.927	112	405460	11.044	ppbv	94
58) Ethyl Benzene	9.357	91	678909	10.281	ppbv	98
59) m/p-Xylene	9.555	91	1099527m	21.119	ppbv	
60) o-Xylene	9.966	91	560685	10.775	ppbv	100
61) Styrene	9.875	104	243153	9.879	ppbv	98
62) Isopropylbenzene	10.542	105	822171	10.600	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.966	83	292957	10.712	ppbv	100
64) n-propylbenzene	10.992	120	223909	11.048	ppbv	95
65) tert-Butylbenzene	11.532	119	756477	10.966	ppbv	97
66) Benzyl Chloride	11.616	91	45655	6.307	ppbv	99
67) sec-Butylbenzene	11.769	105	1040028	10.819	ppbv	99
69) p-Isopropyltoluene	11.927	119	901980	11.108	ppbv	99
70) n-Butylbenzene	12.283	91	875593	11.045	ppbv	99
71) 2-Chlorotoluene	10.904	91	612123	10.452	ppbv	98
72) 4-Ethyltoluene	11.128	105	699671	10.736	ppbv	100
73) 1,3,5-Trimethylbenzene	11.205	105	578371	10.943	ppbv	99
74) 1,2,4-Trimethylbenzene	11.539	105	646508	11.077	ppbv	98
75) 1,3-Dichlorobenzene	11.610	146	424219	11.719	ppbv	99
76) 1,4-Dichlorobenzene	11.672	146	422819	11.761	ppbv	99
77) 1,2-Dichlorobenzene	11.950	146	408711	11.867	ppbv	98
78) Hexachloro-1,3-Butadiene	13.882	225	345191	12.814	ppbv	100
79) Naphthalene	13.513	128	606829	11.757	ppbv	99
80) Naphthalene,2-methyl-	14.458	142	153800	9.647	ppbv	98
81) 1,2,4-Trichlorobenzene	13.442	180	353451	12.808	ppbv	99

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

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