

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091725\
 Data File : VL042930.D
 Acq On : 17 Sep 2025 10:48
 Operator : SY/MD
 Sample : VSTDICC002
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC002

Quant Time: Sep 18 02:27:39 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091725AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Thu Sep 18 02:25:28 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 09/18/2025
 Supervised By : Mahesh Dadoda 09/18/2025

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

Internal Standards						
1) Bromochloromethane	2.787	49	164907	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.958	114	435071	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	369327	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	288273	9.986	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.900%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.499	85	46802	1.987	ppbv	95
3) Chlorodifluoromethane	1.476	51	49186	1.983	ppbv	100
4) Chloromethane	1.534	50	17675	1.867	ppbv	99
5) Vinyl Chloride	1.580	62	16393	1.836	ppbv #	86
6) Bromomethane	1.670	94	5883	1.896	ppbv	92
7) Chloroethane	1.706	64	6270	1.906	ppbv	96
8) Dichlorotetrafluoroethane	1.554	85	36390	1.947	ppbv	98
9) Propene	1.482	41	18062	1.994	ppbv	99
10) Heptane	4.981	43	44603	1.988	ppbv	99
11) Trichlorofluoromethane	1.877	101	45172	1.941	ppbv	96
12) 1,1,2-Trichlorotrifluo...	2.140	101	35102	1.931	ppbv	99
13) Ethanol	1.722	45	1853	2.007	ppbv	86
14) Bromoethene	1.780	108	12079	1.865	ppbv	99
15) Acetone	1.835	43	41083	2.028	ppbv	94
16) 1,3-Butadiene	1.609	39	15580	1.839	ppbv	97
17) tert-Butyl alcohol	2.042	59	36744	1.884	ppbv	98
18) 1,1-Dichloroethene	2.036	96	15909	1.999	ppbv	96
19) Isopropyl Alcohol	1.887	45	20335	1.873	ppbv #	1
20) Methylene Chloride	2.062	84	16824	1.908	ppbv	97
21) Allyl Chloride	2.097	41	26855	1.956	ppbv	98
22) trans-1,2-Dichloroethene	2.340	96	17418	1.931	ppbv	96
23) Vinyl Acetate	2.463	43	44744	1.901	ppbv	99
24) 1,1-Dichloroethane	2.408	63	34643	1.944	ppbv	97
25) Ethyl Acetate	2.835	43	86728	2.005	ppbv	99
26) Hexane	2.829	57	37751	2.034	ppbv	97
27) Carbon Disulfide	2.152	76	43441	1.897	ppbv #	71
28) Methyl tert-Butyl Ether	2.441	73	18935	1.856	ppbv	97
29) Chloroform	2.848	83	60110	1.981	ppbv	96
30) Cyclohexane	3.855	84	26874m	1.922	ppbv	
31) cis-1,2-Dichloroethene	2.722	61	36341	2.005	ppbv	99
32) 1,1,1-Trichloroethane	3.369	97	54810	1.931	ppbv	100
34) 2-Butanone	2.560	43	57314	2.032	ppbv	100
35) Carbon Tetrachloride	3.764	117	55818	1.805	ppbv	99
36) Benzene	3.658	78	73010	1.924	ppbv	95
37) 1,2-Dichloroethane	3.221	62	44529	1.959	ppbv	100
38) Trichloroethene	4.548	130	30836	1.795	ppbv	98
39) 1,2-Dichloropropane	4.311	63	29453m	1.921	ppbv	
40) 1,4-Dioxane	4.599	88	9832m	1.807	ppbv	
41) Tetrahydrofuran	3.059	42	25945	1.871	ppbv	99
42) Bromodichloromethane	4.493	83	62170	1.906	ppbv	94
43) Methyl Methacrylate	4.884	69	23990m	1.885	ppbv	
44) 2,2,4-Trimethylpentane	4.645	57	127979	2.022	ppbv	99
45) t-1,3-Dichloropropene	6.415	75	24591	1.836	ppbv	100

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QLast Update : Thu Sep 18 02:25:28 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.603	75	33947	1.838	ppbv	96
47) 1,1,2-Trichloroethane	6.580	97	30589m	1.956	ppbv	
48) Dibromochloromethane	7.389	129	46665	1.905	ppbv	98
49) Bromoform	9.483	173	36951	1.933	ppbv	99
50) 4-Methyl-2-Pentanone	5.761	43	63384	1.886	ppbv	99
51) 2-Hexanone	7.441	43	44357	1.793	ppbv #	95
52) Tetrachloroethene	8.228	164	22859m	1.937	ppbv	
53) Toluene	6.939	91	65999m	1.866	ppbv	
54) 1,2-Dibromoethane	7.655	107	38670	1.923	ppbv	94
56) 1,1,1,2-Tetrachloroethane	8.927	131	36390	1.934	ppbv	95
57) Chlorobenzene	8.924	112	66303	1.942	ppbv	98
58) Ethyl Benzene	9.357	91	88328	1.856	ppbv	99
59) m/p-Xylene	9.551	91	163157m	4.057	ppbv	
60) o-Xylene	9.966	91	80966	2.025	ppbv	99
61) Styrene	9.875	104	25108	1.690	ppbv	98
62) Isopropylbenzene	10.542	105	113843	1.955	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.962	83	55150	1.910	ppbv	97
64) n-propylbenzene	10.992	120	30484	2.019	ppbv	97
65) tert-Butylbenzene	11.532	119	103228	2.074	ppbv	99
66) Benzyl Chloride	11.616	91	8657	1.872	ppbv	98
67) sec-Butylbenzene	11.769	105	154393	2.039	ppbv	99
69) p-Isopropyltoluene	11.927	119	118634	2.033	ppbv	98
70) n-Butylbenzene	12.283	91	126244	1.872	ppbv	98
71) 2-Chlorotoluene	10.904	91	82459	1.908	ppbv	100
72) 4-Ethyltoluene	11.128	105	92502	1.838	ppbv	98
73) 1,3,5-Trimethylbenzene	11.205	105	79446	2.009	ppbv	97
74) 1,2,4-Trimethylbenzene	11.539	105	98757	2.125	ppbv #	84
75) 1,3-Dichlorobenzene	11.607	146	59236	2.010	ppbv	98
76) 1,4-Dichlorobenzene	11.671	146	56252	1.984	ppbv	98
77) 1,2-Dichlorobenzene	11.947	146	60057	2.020	ppbv	100
78) Hexachloro-1,3-Butadiene	13.882	225	37895	1.996	ppbv	98
79) Naphthalene	13.513	128	71767	1.785	ppbv	98
80) Naphthalene,2-methyl-	14.461	142	16473	1.745	ppbv	100
81) 1,2,4-Trichlorobenzene	13.442	180	35795	1.886	ppbv	96

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

