

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092325\
 Data File : VL042995.D
 Acq On : 23 Sep 2025 17:01
 Operator : SY/MD
 Sample : Q2893-13 0.45
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT3-2025

Quant Time: Sep 24 02:25:51 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL092225AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Wed Sep 24 02:23:20 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 09/24/2025
 Supervised By : Mahesh Dadoda 09/26/2025

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

Internal Standards						
1) Bromochloromethane	2.794	49	155235	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.965	114	407758	10.000	ppbv	0.01
55) Chlorobenzene-d5	8.891	117	360469	10.000	ppbv	0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.383	95	286449	10.645	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	106.500%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.502	85	10204	0.489	ppbv	93
3) Chlorodifluoromethane	1.476	51	13424	0.516	ppbv	97
4) Chloromethane	1.535	50	4373	0.463	ppbv	99
5) Vinyl Chloride	1.583	62	3890	0.455	ppbv #	84
6) Bromomethane	1.670	94	1371	0.455	ppbv	96
7) Chloroethane	1.709	64	1755	0.529	ppbv #	82
8) Dichlorotetrafluoroethane	1.557	85	8654	0.486	ppbv	94
9) Propene	1.486	41	4619	0.408	ppbv	99
10) Heptane	4.994	43	9696m	0.321	ppbv	
11) Trichlorofluoromethane	1.881	101	9590	0.476	ppbv	98
12) 1,1,2-Trichlorotrifluo...	2.143	101	7807	0.479	ppbv	96
13) Ethanol	1.725	45	944	0.860	ppbv	74
14) Bromoethene	1.784	108	2667	0.433	ppbv #	91
15) Acetone	1.839	43	12211	0.604	ppbv	99
16) 1,3-Butadiene	1.612	39	4763	0.499	ppbv	96
17) tert-Butyl alcohol	2.046	59	8309	0.375	ppbv #	88
18) 1,1-Dichloroethene	2.036	96	3672	0.487	ppbv	88
19) Isopropyl Alcohol	1.891	45	5361	0.441	ppbv #	46
20) Methylene Chloride	2.065	84	4951	0.585	ppbv #	84
21) Allyl Chloride	2.101	41	6395	0.454	ppbv	88
22) trans-1,2-Dichloroethene	2.347	96	3866m	0.451	ppbv	
23) Vinyl Acetate	2.467	43	10459	0.362	ppbv #	90
24) 1,1-Dichloroethane	2.412	63	7751	0.461	ppbv	98
25) Ethyl Acetate	2.845	43	19856	0.389	ppbv	96
26) Hexane	2.832	57	8253	0.354	ppbv #	83
27) Carbon Disulfide	2.153	76	7846	0.376	ppbv #	3
28) Methyl tert-Butyl Ether	2.447	73	4671	0.386	ppbv	98
29) Chloroform	2.855	83	15668	0.514	ppbv	94
30) Cyclohexane	3.858	84	5953m	0.306	ppbv	
31) cis-1,2-Dichloroethene	2.726	61	8982	0.412	ppbv	98
32) 1,1,1-Trichloroethane	3.376	97	13895	0.422	ppbv	92
34) 2-Butanone	2.567	43	14664	0.513	ppbv	98
35) Carbon Tetrachloride	3.771	117	13870	0.522	ppbv	92
36) Benzene	3.664	78	17708	0.462	ppbv #	91
37) 1,2-Dichloroethane	3.227	62	11545	0.573	ppbv	99
38) Trichloroethene	4.561	130	9160	0.481	ppbv #	77
39) 1,2-Dichloropropane	4.324	63	7339	0.525	ppbv #	79
40) 1,4-Dioxane	4.613	88	2684m	0.413	ppbv	
41) Tetrahydrofuran	3.069	42	6476	0.394	ppbv	95
42) Bromodichloromethane	4.493	83	15274	0.545	ppbv #	91
43) Methyl Methacrylate	4.897	69	5141m	0.328	ppbv	
44) 2,2,4-Trimethylpentane	4.645	57	28435	0.430	ppbv #	93
45) t-1,3-Dichloropropene	6.432	75	5465m	0.327	ppbv	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.613	75	7916m	0.372	ppbv	
47) 1,1,2-Trichloroethane	6.593	97	7912m	0.536	ppbv	
48) Dibromochloromethane	7.399	129	10806	0.457	ppbv	100
49) Bromoform	9.490	173	8048	0.392	ppbv	96
50) 4-Methyl-2-Pentanone	5.778	43	15544m	0.406	ppbv	
51) 2-Hexanone	7.461	43	10089m	0.330	ppbv	
52) Tetrachloroethene	8.234	164	6414m	0.433	ppbv	
53) Toluene	6.946	91	16348	0.361	ppbv	98
54) 1,2-Dibromoethane	7.665	107	9769	0.470	ppbv	94
56) 1,1,1,2-Tetrachloroethane	8.933	131	8499	0.493	ppbv #	1
57) Chlorobenzene	8.930	112	18287	0.556	ppbv	92
58) Ethyl Benzene	9.364	91	21061	0.356	ppbv	99
59) m/p-Xylene	9.558	91	33731m	0.723	ppbv	
60) o-Xylene	9.976	91	16986	0.364	ppbv	98
61) Styrene	9.882	104	6670	0.302	ppbv	95
62) Isopropylbenzene	10.549	105	26412	0.380	ppbv	96
63) 1,1,2,2-Tetrachloroethane	9.972	83	12931	0.527	ppbv	96
64) n-propylbenzene	10.995	120	6722	0.370	ppbv	95
65) tert-Butylbenzene	11.539	119	22487	0.364	ppbv	98
66) Benzyl Chloride	11.626	91	1258m	0.194	ppbv	
67) sec-Butylbenzene	11.772	105	33232	0.386	ppbv	98
69) p-Isopropyltoluene	11.934	119	24688	0.339	ppbv	96
70) n-Butylbenzene	12.290	91	23549	0.331	ppbv	97
71) 2-Chlorotoluene	10.911	91	20375	0.388	ppbv	96
72) 4-Ethyltoluene	11.134	105	18962	0.325	ppbv #	93
73) 1,3,5-Trimethylbenzene	11.212	105	16742	0.353	ppbv	92
74) 1,2,4-Trimethylbenzene	11.542	105	18062	0.345	ppbv	95
75) 1,3-Dichlorobenzene	11.613	146	14787	0.456	ppbv	97
76) 1,4-Dichlorobenzene	11.678	146	13774	0.427	ppbv	95
77) 1,2-Dichlorobenzene	11.956	146	14176	0.459	ppbv	96
78) Hexachloro-1,3-Butadiene	13.886	225	11234	0.465	ppbv	98
79) Naphthalene	13.517	128	8313	0.180	ppbv #	88
80) Naphthalene,2-methyl-	14.471	142	1623	0.114	ppbv	95
81) 1,2,4-Trichlorobenzene	13.445	180	5276	0.213	ppbv	98

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

Manual Integrations

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
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