

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL051225\
 Data File : VL042534.D
 Acq On : 12 May 2025 16:10
 Operator : SY/MD
 Sample : VSTDICV010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL051225

Quant Time: May 13 02:12:03 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL051225AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Tue May 13 02:07:03 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 05/14/2025
 Supervised By : Mahesh Dadoda 05/14/2025

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

Internal Standards						
1) Bromochloromethane	2.781	49	104793	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.952	114	308722	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.875	117	276426	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.370	95	237168	9.861	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.600%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.496	85	169352	9.952	ppbv	99
3) Chlorodifluoromethane	1.473	51	179743	10.365	ppbv	99
4) Chloromethane	1.528	50	67307	9.691	ppbv	99
5) Vinyl Chloride	1.577	62	65875	9.270	ppbv	98
6) Bromomethane	1.664	94	33010	9.781	ppbv	96
7) Chloroethane	1.700	64	25071	8.935	ppbv	98
8) Dichlorotetrafluoroethane	1.551	85	141921	9.693	ppbv	99
9) Propene	1.479	41	37590m	9.995	ppbv	
10) Heptane	4.972	43	176857	12.306	ppbv	98
11) Trichlorofluoromethane	1.871	101	160862	9.828	ppbv	97
12) 1,1,2-Trichlorotrifluo...	2.133	101	130708	9.942	ppbv	98
13) Ethanol	1.716	45	7859	7.769	ppbv	97
14) Bromoethene	1.777	108	49763	10.383	ppbv	97
15) Acetone	1.832	43	140624	8.325	ppbv	99
16) 1,3-Butadiene	1.606	39	74698	9.920	ppbv	98
17) tert-Butyl alcohol	2.036	59	160597	10.379	ppbv	99
18) 1,1-Dichloroethene	2.030	96	57778	10.028	ppbv	93
19) Isopropyl Alcohol	1.881	45	91861	10.098	ppbv	100
20) Methylene Chloride	2.056	84	50836	8.718	ppbv	97
21) Allyl Chloride	2.091	41	113385	10.227	ppbv	97
22) trans-1,2-Dichloroethene	2.334	96	66384	9.849	ppbv	96
23) Vinyl Acetate	2.457	43	181814	10.371	ppbv #	97
24) 1,1-Dichloroethane	2.402	63	129353	9.919	ppbv	99
25) Ethyl Acetate	2.832	43	335010	11.394	ppbv	99
26) Hexane	2.819	57	145797	12.078	ppbv	98
27) Carbon Disulfide	2.146	76	159609	10.243	ppbv	98
28) Methyl tert-Butyl Ether	2.434	73	71357	10.640	ppbv	98
29) Chloroform	2.842	83	248251	9.916	ppbv	100
30) Cyclohexane	3.849	84	125731	12.687	ppbv	98
31) cis-1,2-Dichloroethene	2.716	61	156337	11.469	ppbv	96
32) 1,1,1-Trichloroethane	3.363	97	260615	10.089	ppbv	99
34) 2-Butanone	2.554	43	215548	10.593	ppbv	99
35) Carbon Tetrachloride	3.755	117	275996	9.944	ppbv	99
36) Benzene	3.648	78	302608	11.060	ppbv	95
37) 1,2-Dichloroethane	3.211	62	197759	10.133	ppbv	99
38) Trichloroethene	4.541	130	124443	10.461	ppbv	92
39) 1,2-Dichloropropane	4.308	63	105794	10.381	ppbv	94
40) 1,4-Dioxane	4.577	88	46856	11.326	ppbv #	98
41) Tetrahydrofuran	3.049	42	108235	12.288	ppbv	98
42) Bromodichloromethane	4.480	83	269411	10.344	ppbv	96
43) Methyl Methacrylate	4.875	69	115023	12.553	ppbv	99
44) 2,2,4-Trimethylpentane	4.629	57	488308	11.264	ppbv	99
45) t-1,3-Dichloropropene	6.406	75	145771	12.452	ppbv	100

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Tue May 13 02:07:03 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.593	75	173741	12.337	ppbv	89
47) 1,1,2-Trichloroethane	6.574	97	122312	10.192	ppbv	95
48) Dibromochloromethane	7.380	129	213991	10.680	ppbv	99
49) Bromoform	9.480	173	179114	10.893	ppbv	99
50) 4-Methyl-2-Pentanone	5.742	43	283584	11.865	ppbv	100
51) 2-Hexanone	7.428	43	234324	13.181	ppbv #	98
52) Tetrachloroethene	8.218	164	108772	10.391	ppbv	92
53) Toluene	6.927	91	336112	12.519	ppbv	99
54) 1,2-Dibromoethane	7.645	107	185157	10.565	ppbv	93
56) 1,1,1,2-Tetrachloroethane	8.920	131	160912	9.389	ppbv	100
57) Chlorobenzene	8.917	112	274500	9.890	ppbv	94
58) Ethyl Benzene	9.351	91	487590	12.941	ppbv	92
59) m/p-Xylene	9.529	91	803149m	24.002	ppbv	
60) o-Xylene	9.959	91	408333	12.495	ppbv	98
61) Styrene	9.866	104	166262	13.737	ppbv	99
62) Isopropylbenzene	10.536	105	589527	11.978	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.959	83	244748	9.228	ppbv	100
64) n-propylbenzene	10.985	120	149858	11.993	ppbv	96
65) tert-Butylbenzene	11.529	119	540642	11.963	ppbv	96
66) Benzyl Chloride	11.610	91	78976	13.151	ppbv	95
67) sec-Butylbenzene	11.765	105	731113	11.283	ppbv	100
69) p-Isopropyltoluene	11.924	119	635040	11.921	ppbv	99
70) n-Butylbenzene	12.277	91	641756	12.192	ppbv	99
71) 2-Chlorotoluene	10.898	91	460416	12.354	ppbv	100
72) 4-Ethyltoluene	11.121	105	504066	12.435	ppbv	99
73) 1,3,5-Trimethylbenzene	11.199	105	420393	11.906	ppbv	97
74) 1,2,4-Trimethylbenzene	11.532	105	477131	10.983	ppbv	91
75) 1,3-Dichlorobenzene	11.604	146	285094	10.479	ppbv	99
76) 1,4-Dichlorobenzene	11.668	146	280324	10.829	ppbv	99
77) 1,2-Dichlorobenzene	11.943	146	269510	9.590	ppbv	100
78) Hexachloro-1,3-Butadiene	13.879	225	223250	9.265	ppbv	99
79) Naphthalene	13.510	128	452623	15.035	ppbv	99
80) Naphthalene,2-methyl-	14.455	142	312897	18.008	ppbv	98
81) 1,2,4-Trichlorobenzene	13.436	180	241524	13.190	ppbv	98

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

Manual Integrations

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[illegible]