

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL021425\
 Data File : VL042022.D
 Acq On : 14 Feb 2025 16:10
 Operator : SY/MD
 Sample : VSTDICV010
 Misc : 400mL/MSVOA_L
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICSVVL021425

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 02/17/2025
 Supervised By : Mahesh Dadoda 02/17/2025

Quant Time: Feb 15 01:50:41 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL021425AIR.M

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

QLast Update : Sat Feb 15 01:46:23 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.774	49	86068	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.939	114	251775	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.862	117	233855	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.364 95 195640 10.142 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 101.400%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.492	85	148358	10.013	ppbv	97
3) Chlorodifluoromethane	1.470	51	166534	10.167	ppbv	100
4) Chloromethane	1.528	50	58099	10.091	ppbv	98
5) Vinyl Chloride	1.573	62	55516	8.063	ppbv	97
6) Bromomethane	1.661	94	24639	9.232	ppbv	89
7) Chloroethane	1.696	64	23259	10.365	ppbv	97
8) Dichlorotetrafluoroethane	1.547	85	128754	9.879	ppbv	99
9) Propene	1.476	41	71094	10.068	ppbv	100
10) Heptane	4.956	43	191709	9.776	ppbv	100
11) Trichlorofluoromethane	1.871	101	143803	9.644	ppbv	95
12) 1,1,2-Trichlorotrifluo...	2.130	101	114241	9.825	ppbv	98
13) Ethanol	1.716	45	3666	4.603	ppbv	87
14) Bromoethene	1.774	108	42915	9.883	ppbv	98
15) Acetone	1.829	43	119213	8.392	ppbv	96
16) 1,3-Butadiene	1.602	39	62450	9.267	ppbv	100
17) tert-Butyl alcohol	2.033	59	162464	9.242	ppbv	97
18) 1,1-Dichloroethene	2.026	96	51094	9.195	ppbv	90
19) Isopropyl Alcohol	1.878	45	74932	9.406	ppbv	95
20) Methylene Chloride	2.052	84	41793	7.815	ppbv	93
21) Allyl Chloride	2.088	41	96194	9.353	ppbv	95
22) trans-1,2-Dichloroethene	2.331	96	57165	9.480	ppbv	98
23) Vinyl Acetate	2.450	43	72445	9.417	ppbv #	97
24) 1,1-Dichloroethane	2.399	63	116443	9.511	ppbv	99
25) Ethyl Acetate	2.823	43	385009	9.874	ppbv	100
26) Hexane	2.813	57	154335	9.863	ppbv	99
27) Carbon Disulfide	2.140	76	145491	9.886	ppbv #	93
28) Methyl tert-Butyl Ether	2.431	73	88597	9.263	ppbv	98
29) Chloroform	2.836	83	228820	10.097	ppbv	91
30) Cyclohexane	3.839	84	134972	10.633	ppbv	99
31) cis-1,2-Dichloroethene	2.709	61	154885	10.015	ppbv	97
32) 1,1,1-Trichloroethane	3.353	97	239755	9.539	ppbv	99
34) 2-Butanone	2.548	43	214434	9.900	ppbv	98
35) Carbon Tetrachloride	3.745	117	235410	9.629	ppbv	99
36) Benzene	3.642	78	314567	10.314	ppbv	99
37) 1,2-Dichloroethane	3.205	62	177247	10.209	ppbv	100
38) Trichloroethene	4.522	130	120408	9.718	ppbv	94
39) 1,2-Dichloropropane	4.292	63	112921	10.099	ppbv	95
40) 1,4-Dioxane	4.564	88	57565	9.894	ppbv #	94
41) Tetrahydrofuran	3.043	42	127051	10.263	ppbv	100
42) Bromodichloromethane	4.467	83	255671	10.870	ppbv	95
43) Methyl Methacrylate	4.859	69	131546	9.462	ppbv	98
44) 2,2,4-Trimethylpentane	4.619	57	532847	10.292	ppbv	99
45) t-1,3-Dichloropropene	6.386	75	136178	10.376	ppbv	95

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.574	75	174589	10.484	ppbv	98
47) 1,1,2-Trichloroethane	6.561	97	120908m	10.275	ppbv	
48) Dibromochloromethane	7.367	129	206204	10.463	ppbv	99
49) Bromoform	9.467	173	170786	10.565	ppbv	100
50) 4-Methyl-2-Pentanone	5.729	43	329672m	9.903	ppbv	
51) 2-Hexanone	7.419	43	269300	9.891	ppbv #	98
52) Tetrachloroethene	8.208	164	98841	9.292	ppbv	93
53) Toluene	6.907	91	368032	10.127	ppbv	99
54) 1,2-Dibromoethane	7.632	107	167744	10.353	ppbv	94
56) 1,1,1,2-Tetrachloroethane	8.911	131	157208	9.392	ppbv	98
57) Chlorobenzene	8.904	112	267645	9.729	ppbv	98
58) Ethyl Benzene	9.338	91	516685	10.095	ppbv	99
59) m/p-Xylene	9.535	91	809818m	20.088	ppbv	
60) o-Xylene	9.950	91	401874	9.857	ppbv	98
61) Styrene	9.856	104	197284	10.147	ppbv	99
62) Isopropylbenzene	10.526	105	602558	9.844	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.950	83	246927	9.387	ppbv	98
64) n-propylbenzene	10.976	120	146775	9.759	ppbv	100
65) tert-Butylbenzene	11.520	119	514826	9.648	ppbv	99
66) Benzyl Chloride	11.604	91	52120	9.744	ppbv #	99
67) sec-Butylbenzene	11.756	105	726213	9.689	ppbv	99
69) p-Isopropyltoluene	11.914	119	584051	9.519	ppbv	99
70) n-Butylbenzene	12.270	91	589723	9.758	ppbv	99
71) 2-Chlorotoluene	10.888	91	450695	9.777	ppbv	100
72) 4-Ethyltoluene	11.112	105	473599	9.915	ppbv	99
73) 1,3,5-Trimethylbenzene	11.193	105	401786	9.751	ppbv	100
74) 1,2,4-Trimethylbenzene	11.526	105	427598	9.669	ppbv	97
75) 1,3-Dichlorobenzene	11.597	146	227808	9.570	ppbv	98
76) 1,4-Dichlorobenzene	11.659	146	226367	9.751	ppbv	99
77) 1,2-Dichlorobenzene	11.937	146	218652	9.609	ppbv	100
78) Hexachloro-1,3-Butadiene	13.873	225	159701	8.483	ppbv	100
79) Naphthalene	13.504	128	347250	7.983	ppbv	98
80) Naphthalene,2-methyl-	14.449	142	118357	6.010	ppbv	99
81) 1,2,4-Trichlorobenzene	13.429	180	153107	8.658	ppbv	99

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

