

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL011425\
 Data File : VL041889.D
 Acq On : 14 Jan 2025 12:55
 Operator : SY/MD
 Sample : VSTDICCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 01/15/2025
 Supervised By : Mahesh Dadoda 01/15/2025

Quant Time: Jan 14 21:20:11 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011425AIR.M

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

QLast Update : Tue Jan 14 16:31:18 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.797	49	152325	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.975	114	449256	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.894	117	400269	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	10.390	95	313194	9.934	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.300%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.502	85	197959	9.541	ppbv	100
3) Chlorodifluoromethane	1.479	51	202651	9.323	ppbv	100
4) Chloromethane	1.538	50	74977	9.608	ppbv	100
5) Vinyl Chloride	1.583	62	71006	8.984	ppbv	100
6) Bromomethane	1.674	94	34817	9.243	ppbv	100
7) Chloroethane	1.709	64	29349	9.544	ppbv	100
8) Dichlorotetrafluoroethane	1.557	85	166754	9.196	ppbv	100
9) Propene	1.486	41	86544	9.665	ppbv	100
10) Heptane	5.001	43	233062	9.738	ppbv	100
11) Trichlorofluoromethane	1.884	101	203374	9.423	ppbv	100
12) 1,1,2-Trichlorotrifluo...	2.146	101	160993	9.517	ppbv	100
13) Ethanol	1.725	45	4155	6.335	ppbv	98
14) Bromoethene	1.787	108	56447	9.114	ppbv	100
15) Acetone	1.842	43	151022	8.255	ppbv	100
16) 1,3-Butadiene	1.612	39	75244	9.163	ppbv	100
17) tert-Butyl alcohol	2.046	59	213109	9.464	ppbv	100
18) 1,1-Dichloroethene	2.039	96	69825	9.158	ppbv	100
19) Isopropyl Alcohol	1.890	45	94532	8.714	ppbv	100
20) Methylene Chloride	2.068	84	59427	8.219	ppbv	100
21) Allyl Chloride	2.101	41	120681	9.526	ppbv	100
22) trans-1,2-Dichloroethene	2.347	96	82326	9.568	ppbv	100
23) Vinyl Acetate	2.470	43	81885	10.281	ppbv	100
24) 1,1-Dichloroethane	2.418	63	154838	9.303	ppbv	100
25) Ethyl Acetate	2.845	43	471257	9.552	ppbv	100
26) Hexane	2.835	57	192009	9.841	ppbv	100
27) Carbon Disulfide	2.156	76	191567	9.921	ppbv	99
28) Methyl tert-Butyl Ether	2.450	73	117898	7.905	ppbv	100
29) Chloroform	2.858	83	291118	9.438	ppbv	100
30) Cyclohexane	3.868	84	164788	9.737	ppbv	100
31) cis-1,2-Dichloroethene	2.729	61	193774	9.432	ppbv	100
32) 1,1,1-Trichloroethane	3.379	97	290126	9.830	ppbv	100
34) 2-Butanone	2.567	43	270263	9.459	ppbv	100
35) Carbon Tetrachloride	3.777	117	291448	10.309	ppbv	100
36) Benzene	3.671	78	396344	9.619	ppbv	100
37) 1,2-Dichloroethane	3.230	62	221352	9.565	ppbv	100
38) Trichloroethene	4.564	130	159253	9.736	ppbv	100
39) 1,2-Dichloropropane	4.331	63	137090	9.484	ppbv	100
40) 1,4-Dioxane	4.606	88	66200	9.075	ppbv #	94
41) Tetrahydrofuran	3.065	42	156141	10.023	ppbv	100
42) Bromodichloromethane	4.509	83	307176	9.900	ppbv	100
43) Methyl Methacrylate	4.897	69	152001	9.930	ppbv	100
44) 2,2,4-Trimethylpentane	4.658	57	654395	9.819	ppbv	100
45) t-1,3-Dichloropropene	6.435	75	151920	10.603	ppbv	100

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.622	75	200330	10.649	ppbv	100
47) 1,1,2-Trichloroethane	6.600	97	149634	9.766	ppbv	100
48) Dibromochloromethane	7.402	129	245066	10.368	ppbv	100
49) Bromoform	9.496	173	206751	10.649	ppbv	100
50) 4-Methyl-2-Pentanone	5.778	43	374267	9.615	ppbv	100
51) 2-Hexanone	7.454	43	292941	9.775	ppbv #	100
52) Tetrachloroethene	8.241	164	131334	9.193	ppbv	100
53) Toluene	6.952	91	454085	10.116	ppbv	100
54) 1,2-Dibromoethane	7.668	107	203859	9.679	ppbv	100
56) 1,1,1,2-Tetrachloroethane	8.940	131	192449	9.637	ppbv	99
57) Chlorobenzene	8.937	112	339570	9.197	ppbv	100
58) Ethyl Benzene	9.367	91	620719	9.923	ppbv	100
59) m/p-Xylene	9.564	91	979297m	19.504	ppbv	
60) o-Xylene	9.979	91	490108	9.848	ppbv	100
61) Styrene	9.885	104	234901	10.522	ppbv	100
62) Isopropylbenzene	10.552	105	742261	9.638	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.976	83	300600	9.596	ppbv	100
64) n-propylbenzene	11.002	120	187706	9.646	ppbv	99
65) tert-Butylbenzene	11.542	119	670259	9.550	ppbv	100
66) Benzyl Chloride	11.626	91	46008	10.591	ppbv	100
67) sec-Butylbenzene	11.778	105	920046	9.521	ppbv	100
69) p-Isopropyltoluene	11.937	119	771465	9.694	ppbv	100
70) n-Butylbenzene	12.293	91	759785	9.627	ppbv	100
71) 2-Chlorotoluene	10.914	91	556170	9.763	ppbv	100
72) 4-Ethyltoluene	11.137	105	586667	9.855	ppbv	100
73) 1,3,5-Trimethylbenzene	11.215	105	505443	9.614	ppbv	100
74) 1,2,4-Trimethylbenzene	11.549	105	538665	9.461	ppbv	100
75) 1,3-Dichlorobenzene	11.620	146	310421	9.201	ppbv	100
76) 1,4-Dichlorobenzene	11.684	146	307758	9.324	ppbv	100
77) 1,2-Dichlorobenzene	11.960	146	303196	9.068	ppbv	100
78) Hexachloro-1,3-Butadiene	13.895	225	234457	8.543	ppbv	100
79) Naphthalene	13.526	128	502354	8.764	ppbv	100
80) Naphthalene,2-methyl-	14.471	142	185336	6.819	ppbv	100
81) 1,2,4-Trichlorobenzene	13.452	180	239317	8.553	ppbv	100

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

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