

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL012025\
 Data File : VL041942.D
 Acq On : 21 Jan 2025 12:06
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 01/21/2025
 Supervised By : Mahesh Dadoda 01/21/2025

Quant Time: Jan 21 12:44:24 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 23:15:42 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.778	49	137432	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene	3.946	114	385452	10.000	ppbv	-0.03
55) Chlorobenzene-d5	8.866	117	338752	10.000	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.364 95 272495 10.213 ppbv -0.03
 Spiked Amount 10.000 Range 65 - 135 Recovery = 102.100%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.493	85	204417	10.920	ppbv	98
3) Chlorodifluoromethane	1.470	51	209572	10.687	ppbv	100
4) Chloromethane	1.528	50	77594	11.021	ppbv	95
5) Vinyl Chloride	1.574	62	76136	10.676	ppbv	94
6) Bromomethane	1.661	94	34997	10.297	ppbv	91
7) Chloroethane	1.700	64	30822	11.109	ppbv	99
8) Dichlorotetrafluoroethane	1.548	85	169090	10.336	ppbv	100
9) Propene	1.480	41	86173	10.667	ppbv	98
10) Heptane	4.962	43	247841	11.478	ppbv	98
11) Trichlorofluoromethane	1.871	101	194735	10.000	ppbv	100
12) 1,1,2-Trichlorotrifluo...	2.130	101	151788	9.946	ppbv	99
13) Ethanol	1.716	45	3500	5.915	ppbv	94
14) Bromoethene	1.774	108	54602	9.772	ppbv	98
15) Acetone	1.829	43	155695	9.432	ppbv	100
16) 1,3-Butadiene	1.603	39	79869	10.780	ppbv	97
17) tert-Butyl alcohol	2.033	59	188111	9.259	ppbv	98
18) 1,1-Dichloroethene	2.027	96	66343	9.645	ppbv	93
19) Isopropyl Alcohol	1.881	45	87035	8.893	ppbv	92
20) Methylene Chloride	2.053	84	59342	9.097	ppbv	96
21) Allyl Chloride	2.088	41	116166	10.163	ppbv	99
22) trans-1,2-Dichloroethene	2.334	96	80559	10.377	ppbv	95
23) Vinyl Acetate	2.457	43	54674m	6.682	ppbv	
24) 1,1-Dichloroethane	2.399	63	160712	10.703	ppbv	99
25) Ethyl Acetate	2.829	43	500602	11.247	ppbv	99
26) Hexane	2.816	57	197883	11.240	ppbv	97
27) Carbon Disulfide	2.143	76	181852	10.439	ppbv	98
28) Methyl tert-Butyl Ether	2.435	73	100086	7.438	ppbv	99
29) Chloroform	2.839	83	306260	11.005	ppbv	99
30) Cyclohexane	3.842	84	162877	10.667	ppbv	97
31) cis-1,2-Dichloroethene	2.713	61	192783	10.400	ppbv	95
32) 1,1,1-Trichloroethane	3.357	97	289204	10.861	ppbv	98
34) 2-Butanone	2.551	43	283318	11.558	ppbv	99
35) Carbon Tetrachloride	3.749	117	297189	12.275	ppbv	97
36) Benzene	3.642	78	401541	11.358	ppbv	100
37) 1,2-Dichloroethane	3.208	62	228138	11.490	ppbv	99
38) Trichloroethene	4.532	130	160118	11.413	ppbv	99
39) 1,2-Dichloropropane	4.299	63	138923	11.202	ppbv	98
40) 1,4-Dioxane	4.571	88	63186	10.089	ppbv #	93
41) Tetrahydrofuran	3.046	42	157946	11.856	ppbv	99
42) Bromodichloromethane	4.474	83	309222	11.615	ppbv	98
43) Methyl Methacrylate	4.869	69	148876	11.336	ppbv	99
44) 2,2,4-Trimethylpentane	4.623	57	676235	11.826	ppbv	99
45) t-1,3-Dichloropropene	6.399	75	136695	11.120	ppbv	98

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QLast Update : Tue Jan 14 23:15:42 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.581	75	184480	11.430	ppbv	98
47) 1,1,2-Trichloroethane	6.568	97	154476	11.753	ppbv	95
48) Dibromochloromethane	7.374	129	242235	11.945	ppbv	99
49) Bromoform	9.471	173	197892	11.879	ppbv	100
50) 4-Methyl-2-Pentanone	5.739	43	389196	11.630	ppbv	99
51) 2-Hexanone	7.422	43	313842	12.205	ppbv #	97
52) Tetrachloroethene	8.209	164	130723	10.664	ppbv	98
53) Toluene	6.914	91	448531	11.647	ppbv	99
54) 1,2-Dibromoethane	7.636	107	210614	11.656	ppbv	93
56) 1,1,1,2-Tetrachloroethane	8.911	131	197723	11.699	ppbv	99
57) Chlorobenzene	8.908	112	362460	11.600	ppbv	97
58) Ethyl Benzene	9.342	91	631517	11.929	ppbv	99
59) m/p-Xylene	9.539	91	1048668m	24.713	ppbv	
60) o-Xylene	9.953	91	517829	12.294	ppbv	99
61) Styrene	9.859	104	233740	12.371	ppbv	99
62) Isopropylbenzene	10.529	105	773940	11.875	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.950	83	321312	11.938	ppbv	98
64) n-propylbenzene	10.979	120	199639	12.122	ppbv	98
65) tert-Butylbenzene	11.523	119	689003	11.600	ppbv	100
66) Benzyl Chloride	11.607	91	35185	9.571	ppbv	96
67) sec-Butylbenzene	11.759	105	960511	11.744	ppbv	100
69) p-Isopropyltoluene	11.918	119	802032	11.909	ppbv	99
70) n-Butylbenzene	12.274	91	778886	11.661	ppbv	100
71) 2-Chlorotoluene	10.892	91	571999	11.864	ppbv	99
72) 4-Ethyltoluene	11.115	105	626148m	12.428	ppbv	
73) 1,3,5-Trimethylbenzene	11.196	105	528377	11.876	ppbv	94
74) 1,2,4-Trimethylbenzene	11.530	105	577455	11.985	ppbv	93
75) 1,3-Dichlorobenzene	11.601	146	336294	11.778	ppbv	99
76) 1,4-Dichlorobenzene	11.662	146	331999	11.885	ppbv	100
77) 1,2-Dichlorobenzene	11.941	146	325467	11.502	ppbv	99
78) Hexachloro-1,3-Butadiene	13.876	225	208238	8.966	ppbv	100
79) Naphthalene	13.507	128	473546	9.761	ppbv	100
80) Naphthalene,2-methyl-	14.452	142	171794	7.469	ppbv	98
81) 1,2,4-Trichlorobenzene	13.436	180	212524	8.975	ppbv	98

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

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