

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL021425\
 Data File : VL042015.D
 Acq On : 14 Feb 2025 12:21
 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 02/17/2025
 Supervised By : Mahesh Dadoda 02/17/2025

Quant Time: Feb 15 01:18:21 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 01:17:03 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.778	49	98018	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.946	114	294480	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.869	117	270090	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.364 95 224424 10.073 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 100.700%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.496	85	160801	9.530	ppbv	100
3) Chlorodifluoromethane	1.473	51	170358	9.126	ppbv	100
4) Chloromethane	1.528	50	62151	9.478	ppbv	100
5) Vinyl Chloride	1.577	62	61733	7.873	ppbv	100
6) Bromomethane	1.664	94	28011	9.216	ppbv	100
7) Chloroethane	1.700	64	24425	9.558	ppbv	100
8) Dichlorotetrafluoroethane	1.551	85	139601	9.405	ppbv	100
9) Propene	1.480	41	74473	9.232	ppbv	100
10) Heptane	4.966	43	203901	9.177	ppbv	100
11) Trichlorofluoromethane	1.871	101	162470	9.568	ppbv	100
12) 1,1,2-Trichlorotrifluo...	2.134	101	127902	9.659	ppbv	100
13) Ethanol	1.716	45	3558	3.642	ppbv	99
14) Bromoethene	1.778	108	46707	9.445	ppbv	100
15) Acetone	1.829	43	131106	8.104	ppbv	99
16) 1,3-Butadiene	1.606	39	66430	8.655	ppbv	100
17) tert-Butyl alcohol	2.036	59	182823	9.133	ppbv	100
18) 1,1-Dichloroethene	2.027	96	57429	8.916	ppbv	100
19) Isopropyl Alcohol	1.881	45	80952	8.872	ppbv	100
20) Methylene Chloride	2.056	84	48346	7.938	ppbv	100
21) Allyl Chloride	2.088	41	103000	8.846	ppbv	100
22) trans-1,2-Dichloroethene	2.334	96	63168	9.199	ppbv	100
23) Vinyl Acetate	2.454	43	78098	8.915	ppbv	100
24) 1,1-Dichloroethane	2.402	63	125735	9.018	ppbv	100
25) Ethyl Acetate	2.826	43	405138	9.124	ppbv	100
26) Hexane	2.816	57	161725	9.076	ppbv	100
27) Carbon Disulfide	2.143	76	160847	9.597	ppbv	96
28) Methyl tert-Butyl Ether	2.435	73	100527	9.229	ppbv	99
29) Chloroform	2.842	83	238566	9.244	ppbv	100
30) Cyclohexane	3.842	84	85945	5.507	ppbv #	32
31) cis-1,2-Dichloroethene	2.713	61	163695	9.294	ppbv	100
32) 1,1,1-Trichloroethane	3.357	97	250927	8.767	ppbv	100
34) 2-Butanone	2.551	43	229677	9.066	ppbv	100
35) Carbon Tetrachloride	3.752	117	249438	8.898	ppbv	100
36) Benzene	3.645	78	334046	9.365	ppbv	100
37) 1,2-Dichloroethane	3.208	62	182915	9.008	ppbv	100
38) Trichloroethene	4.532	130	132325	9.032	ppbv	100
39) 1,2-Dichloropropane	4.299	63	119495	9.029	ppbv	100
40) 1,4-Dioxane	4.571	88	59102m	8.736	ppbv	
41) Tetrahydrofuran	3.046	42	136417	9.228	ppbv	100
42) Bromodichloromethane	4.474	83	266025	9.665	ppbv	100
43) Methyl Methacrylate	4.862	69	140158	8.741	ppbv	100
44) 2,2,4-Trimethylpentane	4.623	57	570322	9.418	ppbv	100
45) t-1,3-Dichloropropene	6.399	75	143577	9.341	ppbv	100

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

QLast Update : Sat Feb 15 01:17:03 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.584	75	183791	9.437	ppbv	100
47) 1,1,2-Trichloroethane	6.565	97	126250	9.173	ppbv	100
48) Dibromochloromethane	7.370	129	221338	9.678	ppbv	100
49) Bromoform	9.471	173	185483	9.810	ppbv	100
50) 4-Methyl-2-Pentanone	5.729	43	348502	8.851	ppbv	100
51) 2-Hexanone	7.419	43	283852	8.796	ppbv #	100
52) Tetrachloroethene	8.212	164	110062	8.839	ppbv	100
53) Toluene	6.917	91	396144	9.385	ppbv	100
54) 1,2-Dibromoethane	7.639	107	176072	9.171	ppbv	100
56) 1,1,1,2-Tetrachloroethane	8.914	131	165236	8.570	ppbv	100
57) Chlorobenzene	8.908	112	286810	9.027	ppbv	100
58) Ethyl Benzene	9.342	91	550649	9.315	ppbv	100
59) m/p-Xylene	9.539	91	849531m	18.230	ppbv	
60) o-Xylene	9.953	91	420542	8.931	ppbv	100
61) Styrene	9.859	104	207495	9.241	ppbv	100
62) Isopropylbenzene	10.529	105	641964	9.081	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.950	83	252800	8.323	ppbv	100
64) n-propylbenzene	10.979	120	154350	8.886	ppbv	100
65) tert-Butylbenzene	11.523	119	547545	8.884	ppbv	100
66) Benzyl Chloride	11.607	91	58308	9.377	ppbv	100
67) sec-Butylbenzene	11.759	105	767711	8.868	ppbv	100
69) p-Isopropyltoluene	11.918	119	627827	8.860	ppbv	100
70) n-Butylbenzene	12.274	91	621004	8.897	ppbv	100
71) 2-Chlorotoluene	10.892	91	482609	9.065	ppbv	100
72) 4-Ethyltoluene	11.115	105	499046	9.033	ppbv	100
73) 1,3,5-Trimethylbenzene	11.196	105	429585	9.027	ppbv	100
74) 1,2,4-Trimethylbenzene	11.530	105	449023	8.791	ppbv	100
75) 1,3-Dichlorobenzene	11.597	146	247301	8.995	ppbv	100
76) 1,4-Dichlorobenzene	11.665	146	241556	9.010	ppbv	100
77) 1,2-Dichlorobenzene	11.941	146	234192	8.911	ppbv	100
78) Hexachloro-1,3-Butadiene	13.876	225	176439	8.115	ppbv	100
79) Naphthalene	13.507	128	366957	7.304	ppbv	100
80) Naphthalene,2-methyl-	14.452	142	123736	5.419	ppbv	99
81) 1,2,4-Trichlorobenzene	13.433	180	169405	8.295	ppbv	100

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

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