

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032525\
 Data File : VL042164.D
 Acq On : 25 Mar 2025 08:56
 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 03/26/2025
 Supervised By : Mahesh Dadoda 03/26/2025

Quant Time: Mar 26 01:29:55 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032525AIR.M

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

QLast Update : Wed Mar 26 01:29:19 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.793	49	181211	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.968	114	422369	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.891	117	364437	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.383 95 309342 10.862 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 108.600%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.502	85	228699	11.436	ppbv	100
3) Chlorodifluoromethane	1.479	51	234247	8.916	ppbv	100
4) Chloromethane	1.534	50	80907	11.021	ppbv	100
5) Vinyl Chloride	1.583	62	78292	11.448	ppbv	100
6) Bromomethane	1.670	94	38469	11.564	ppbv	100
7) Chloroethane	1.706	64	31999	11.308	ppbv	100
8) Dichlorotetrafluoroethane	1.557	85	179388	11.037	ppbv	100
9) Propene	1.486	41	91287	8.560	ppbv	100
10) Heptane	4.994	43	286988	8.665	ppbv	100
11) Trichlorofluoromethane	1.881	101	226013	11.312	ppbv	100
12) 1,1,2-Trichlorotrifluo...	2.143	101	181250	11.217	ppbv	100
13) Ethanol	1.725	45	4402	6.310	ppbv	100
14) Bromoethene	1.783	108	60826	10.901	ppbv	100
15) Acetone	1.838	43	172680	10.237	ppbv	100
16) 1,3-Butadiene	1.612	39	83992	10.728	ppbv	100
17) tert-Butyl alcohol	2.046	59	186327	9.176	ppbv	100
18) 1,1-Dichloroethene	2.039	96	75468	10.547	ppbv	100
19) Isopropyl Alcohol	1.890	45	95315	9.948	ppbv	100
20) Methylene Chloride	2.065	84	61067	9.647	ppbv	100
21) Allyl Chloride	2.101	41	124329	10.276	ppbv	100
22) trans-1,2-Dichloroethene	2.347	96	90822	10.743	ppbv	100
23) Vinyl Acetate	2.470	43	70829	6.569	ppbv	100
24) 1,1-Dichloroethane	2.415	63	170578	10.832	ppbv	100
25) Ethyl Acetate	2.842	43	571757	8.936	ppbv	100
26) Hexane	2.832	57	219348	8.556	ppbv	100
27) Carbon Disulfide	2.156	76	212700	11.371	ppbv	98
28) Methyl tert-Butyl Ether	2.447	73	112136	8.467	ppbv	100
29) Chloroform	2.855	83	314686	9.015	ppbv	100
30) Cyclohexane	3.865	84	168099	8.207	ppbv	100
31) cis-1,2-Dichloroethene	2.729	61	192686	8.068	ppbv	100
32) 1,1,1-Trichloroethane	3.376	97	284429	8.545	ppbv	100
34) 2-Butanone	2.563	43	310052	9.322	ppbv	100
35) Carbon Tetrachloride	3.771	117	300239	10.190	ppbv	100
36) Benzene	3.664	78	413821	9.340	ppbv	100
37) 1,2-Dichloroethane	3.227	62	226162	9.177	ppbv	100
38) Trichloroethene	4.560	130	161045	8.911	ppbv	100
39) 1,2-Dichloropropane	4.327	63	157909	9.332	ppbv	100
40) 1,4-Dioxane	4.596	88	68561	8.968	ppbv #	100
41) Tetrahydrofuran	3.062	42	173662	8.960	ppbv	100
42) Bromodichloromethane	4.502	83	324884	9.760	ppbv	100
43) Methyl Methacrylate	4.894	69	149346	8.813	ppbv	100
44) 2,2,4-Trimethylpentane	4.651	57	756318	9.567	ppbv	100
45) t-1,3-Dichloropropene	6.431	75	130677	7.945	ppbv	100

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QLast Update : Wed Mar 26 01:29:19 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.622	75	181069	8.438	ppbv	100
47) 1,1,2-Trichloroethane	6.596	97	167475	9.659	ppbv	100
48) Dibromochloromethane	7.399	129	258020	9.619	ppbv	100
49) Bromoform	9.493	173	235426	10.042	ppbv	100
50) 4-Methyl-2-Pentanone	5.771	43	437072	10.228	ppbv	100
51) 2-Hexanone	7.448	43	339692	11.697	ppbv	100
52) Tetrachloroethene	8.237	164	136981	9.060	ppbv	100
53) Toluene	6.946	91	433813	8.872	ppbv	100
54) 1,2-Dibromoethane	7.664	107	212628	9.221	ppbv	100
56) 1,1,1,2-Tetrachloroethane	8.936	131	213907	10.090	ppbv	99
57) Chlorobenzene	8.933	112	377407	9.752	ppbv	100
58) Ethyl Benzene	9.364	91	603844	9.033	ppbv	100
59) m/p-Xylene	9.542	91	1055357m	19.444	ppbv	
60) o-Xylene	9.972	91	534875	9.763	ppbv	100
61) Styrene	9.882	104	223146	8.957	ppbv	100
62) Isopropylbenzene	10.548	105	794509	9.695	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.972	83	385350	10.572	ppbv	100
64) n-propylbenzene	10.998	120	221651	10.211	ppbv	100
65) tert-Butylbenzene	11.539	119	747249	9.898	ppbv	100
66) Benzyl Chloride	11.623	91	56161	10.045	ppbv	100
67) sec-Butylbenzene	11.775	105	1082261	10.001	ppbv	100
69) p-Isopropyltoluene	11.934	119	902842	10.425	ppbv	100
70) n-Butylbenzene	12.290	91	957543	10.751	ppbv	100
71) 2-Chlorotoluene	10.911	91	600396	9.536	ppbv	100
72) 4-Ethyltoluene	11.134	105	683095	10.134	ppbv	100
73) 1,3,5-Trimethylbenzene	11.212	105	575201	9.865	ppbv	100
74) 1,2,4-Trimethylbenzene	11.545	105	666490	10.000	ppbv	100
75) 1,3-Dichlorobenzene	11.616	146	409283	10.574	ppbv	100
76) 1,4-Dichlorobenzene	11.681	146	406473	10.574	ppbv	100
77) 1,2-Dichlorobenzene	11.956	146	414133	10.912	ppbv	100
78) Hexachloro-1,3-Butadiene	13.888	225	339163	11.316	ppbv	100
79) Naphthalene	13.523	128	746842	15.551	ppbv	100
80) Naphthalene,2-methyl-	14.465	142	321801	22.419	ppbv	100
81) 1,2,4-Trichlorobenzene	13.448	180	334314	12.634	ppbv	100

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

Manual Integrations APPROVED

Quant Time: Mar 26 01:29:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL03252SAIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Wed Mar 26 01:29:19 2025
Response via : Initial Calibration

