

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042825\
 Data File : VL042416.D
 Acq On : 28 Apr 2025 08:44
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 04/29/2025
 Supervised By :Mahesh Dadoda 04/30/2025

Quant Time: Apr 29 01:31:14 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M

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

QLast Update : Fri Apr 18 02:14:00 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.784	49	121989	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.955	114	345031	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.878	117	305240	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.374 95 264197 10.533 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 105.300%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.499	85	219089	10.165	ppbv	98
3) Chlorodifluoromethane	1.476	51	192111	9.360	ppbv	99
4) Chloromethane	1.531	50	85195	9.988	ppbv	98
5) Vinyl Chloride	1.580	62	82863	8.925	ppbv	100
6) Bromomethane	1.667	94	37396	9.376	ppbv	83
7) Chloroethane	1.703	64	32235	9.600	ppbv	99
8) Dichlorotetrafluoroethane	1.554	85	189174	10.223	ppbv	95
9) Propene	1.483	41	75996	8.131	ppbv	98
10) Heptane	4.975	43	205785	7.837	ppbv	98
11) Trichlorofluoromethane	1.874	101	210830	10.286	ppbv	95
12) 1,1,2-Trichlorotrifluo...	2.136	101	163109	9.733	ppbv	97
13) Ethanol	1.719	45	4612	3.104	ppbv	98
14) Bromoethene	1.780	108	63235	10.010	ppbv	97
15) Acetone	1.832	43	172207	8.623	ppbv	100
16) 1,3-Butadiene	1.609	39	84816	8.880	ppbv	98
17) tert-Butyl alcohol	2.039	59	226804	9.164	ppbv	100
18) 1,1-Dichloroethene	2.033	96	73751	9.420	ppbv	96
19) Isopropyl Alcohol	1.884	45	101011	9.105	ppbv	93
20) Methylene Chloride	2.059	84	62506	7.992	ppbv	90
21) Allyl Chloride	2.094	41	125215	9.081	ppbv	97
22) trans-1,2-Dichloroethene	2.337	96	81589	9.153	ppbv	94
23) Vinyl Acetate	2.460	43	64907	8.030	ppbv	97
24) 1,1-Dichloroethane	2.405	63	163124	9.634	ppbv	99
25) Ethyl Acetate	2.835	43	425121	8.634	ppbv	99
26) Hexane	2.823	57	166789	8.370	ppbv	98
27) Carbon Disulfide	2.146	76	205605	9.637	ppbv	96
28) Methyl tert-Butyl Ether	2.437	73	116474	8.922	ppbv	93
29) Chloroform	2.845	83	280938	9.975	ppbv	99
30) Cyclohexane	3.852	84	142532	8.849	ppbv	98
31) cis-1,2-Dichloroethene	2.719	61	181514	9.581	ppbv	96
32) 1,1,1-Trichloroethane	3.363	97	301259	9.501	ppbv	99
34) 2-Butanone	2.554	43	241047	8.834	ppbv	99
35) Carbon Tetrachloride	3.758	117	305477	9.783	ppbv	96
36) Benzene	3.654	78	338736	9.102	ppbv	97
37) 1,2-Dichloroethane	3.214	62	235966	10.564	ppbv	97
38) Trichloroethene	4.541	130	136731	8.406	ppbv	95
39) 1,2-Dichloropropane	4.308	63	122213	8.813	ppbv	97
40) 1,4-Dioxane	4.577	88	58837	7.720	ppbv #	95
41) Tetrahydrofuran	3.052	42	133063	8.363	ppbv	99
42) Bromodichloromethane	4.483	83	310726	9.996	ppbv #	96
43) Methyl Methacrylate	4.878	69	138030	8.230	ppbv	94
44) 2,2,4-Trimethylpentane	4.635	57	562403	8.750	ppbv	96
45) t-1,3-Dichloropropene	6.409	75	157191	9.175	ppbv	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.593	75	191165	9.117	ppbv #	88
47) 1,1,2-Trichloroethane	6.574	97	133821	9.471	ppbv	96
48) Dibromochloromethane	7.383	129	245439	9.832	ppbv	99
49) Bromoform	9.480	173	198991	9.117	ppbv	100
50) 4-Methyl-2-Pentanone	5.748	43	356129	7.854	ppbv	99
51) 2-Hexanone	7.431	43	287045	7.058	ppbv	98
52) Tetrachloroethene	8.221	164	114038	7.928	ppbv	91
53) Toluene	6.927	91	398162	8.916	ppbv	100
54) 1,2-Dibromoethane	7.648	107	189639	9.378	ppbv	92
56) 1,1,1,2-Tetrachloroethane	8.920	131	184161	9.969	ppbv	97
57) Chlorobenzene	8.917	112	300677	9.471	ppbv	98
58) Ethyl Benzene	9.354	91	568129	9.394	ppbv	98
59) m/p-Xylene	9.548	91	929203m	19.073	ppbv	
60) o-Xylene	9.963	91	466411	9.507	ppbv	97
61) Styrene	9.865	104	213119	9.101	ppbv	98
62) Isopropylbenzene	10.535	105	680837	9.452	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.959	83	274653	8.639	ppbv	99
64) n-propylbenzene	10.989	120	166984	9.223	ppbv	98
65) tert-Butylbenzene	11.529	119	610304	9.219	ppbv	95
66) Benzyl Chloride	11.613	91	59187	8.136	ppbv	99
67) sec-Butylbenzene	11.765	105	854169	9.276	ppbv	99
69) p-Isopropyltoluene	11.924	119	732365	9.155	ppbv	97
70) n-Butylbenzene	12.280	91	765539	9.188	ppbv	99
71) 2-Chlorotoluene	10.898	91	534834	9.467	ppbv	98
72) 4-Ethyltoluene	11.121	105	556591	9.280	ppbv	97
73) 1,3,5-Trimethylbenzene	11.202	105	487223	9.201	ppbv	98
74) 1,2,4-Trimethylbenzene	11.536	105	541720	8.759	ppbv	94
75) 1,3-Dichlorobenzene	11.607	146	287285	8.936	ppbv	97
76) 1,4-Dichlorobenzene	11.671	146	290512	8.991	ppbv	98
77) 1,2-Dichlorobenzene	11.943	146	279962	8.956	ppbv	98
78) Hexachloro-1,3-Butadiene	13.879	225	265745	8.419	ppbv	100
79) Naphthalene	13.513	128	622606	8.418	ppbv	99
80) Naphthalene,2-methyl-	14.455	142	328047	7.783	ppbv	95
81) 1,2,4-Trichlorobenzene	13.439	180	269711	8.493	ppbv	99

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

