

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042925\
 Data File : VL042436.D
 Acq On : 29 Apr 2025 08:39
 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 04/30/2025
 Supervised By : Mahesh Dadoda 04/30/2025

Quant Time: Apr 30 01:15:51 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	2.780	49	114553	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.952	114	311268	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.878	117	269987	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.373 95 253216 11.413 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 114.100%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.495	85	234841	11.603	ppbv	97
3) Chlorodifluoromethane	1.473	51	188007	9.755	ppbv	95
4) Chloromethane	1.531	50	90298	11.274	ppbv	100
5) Vinyl Chloride	1.576	62	86603	9.933	ppbv	96
6) Bromomethane	1.664	94	41020	10.952	ppbv	85
7) Chloroethane	1.703	64	35167	11.153	ppbv	95
8) Dichlorotetrafluoroethane	1.550	85	199977	11.508	ppbv	94
9) Propene	1.482	41	69189	7.883	ppbv	98
10) Heptane	4.968	43	184737	7.492	ppbv	99
11) Trichlorofluoromethane	1.874	101	227979	11.845	ppbv	96
12) 1,1,2-Trichlorotrifluo...	2.136	101	172070	10.934	ppbv	99
13) Ethanol	1.719	45	4336	3.108	ppbv	81
14) Bromoethene	1.777	108	63597	10.721	ppbv	97
15) Acetone	1.832	43	184887	9.859	ppbv	98
16) 1,3-Butadiene	1.605	39	88889	9.910	ppbv	95
17) tert-Butyl alcohol	2.036	59	229627	9.881	ppbv	99
18) 1,1-Dichloroethene	2.029	96	75451	10.263	ppbv	94
19) Isopropyl Alcohol	1.884	45	101987	9.790	ppbv	91
20) Methylene Chloride	2.059	84	67278	9.161	ppbv	95
21) Allyl Chloride	2.091	41	131864	10.184	ppbv	98
22) trans-1,2-Dichloroethene	2.337	96	86577	10.343	ppbv	95
23) Vinyl Acetate	2.460	43	61601	8.115	ppbv #	95
24) 1,1-Dichloroethane	2.405	63	172555	10.852	ppbv	98
25) Ethyl Acetate	2.832	43	408744	8.840	ppbv	100
26) Hexane	2.819	57	153801	8.220	ppbv	96
27) Carbon Disulfide	2.146	76	212793	10.622	ppbv	99
28) Methyl tert-Butyl Ether	2.437	73	114108	9.308	ppbv	93
29) Chloroform	2.845	83	290965	11.002	ppbv	100
30) Cyclohexane	3.848	84	130608	8.635	ppbv	97
31) cis-1,2-Dichloroethene	2.716	61	174659	9.818	ppbv	97
32) 1,1,1-Trichloroethane	3.363	97	312430	10.493	ppbv	99
34) 2-Butanone	2.554	43	232034	9.426	ppbv	98
35) Carbon Tetrachloride	3.755	117	316689	11.242	ppbv	94
36) Benzene	3.651	78	314493	9.367	ppbv	95
37) 1,2-Dichloroethane	3.214	62	244516	12.134	ppbv #	96
38) Trichloroethene	4.541	130	123997	8.450	ppbv #	88
39) 1,2-Dichloropropane	4.305	63	110315	8.817	ppbv #	84
40) 1,4-Dioxane	4.577	88	54364	7.907	ppbv #	90
41) Tetrahydrofuran	3.049	42	121700	8.479	ppbv	100
42) Bromodichloromethane	4.483	83	312029	11.127	ppbv	98
43) Methyl Methacrylate	4.874	69	126594	8.367	ppbv	94
44) 2,2,4-Trimethylpentane	4.632	57	522427	9.010	ppbv	94
45) t-1,3-Dichloropropene	6.409	75	139508	9.026	ppbv	89

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.587	75	169355	8.953	ppbv	90
47) 1,1,2-Trichloroethane	6.570	97	129223m	10.138	ppbv	
48) Dibromochloromethane	7.380	129	232818	10.339	ppbv	100
49) Bromoform	9.477	173	188896	9.593	ppbv	99
50) 4-Methyl-2-Pentanone	5.742	43	325855	7.965	ppbv	99
51) 2-Hexanone	7.428	43	269915	7.357	ppbv #	93
52) Tetrachloroethene	8.218	164	101642	7.833	ppbv #	84
53) Toluene	6.926	91	361317	8.968	ppbv	100
54) 1,2-Dibromoethane	7.645	107	179895	9.861	ppbv	97
56) 1,1,1,2-Tetrachloroethane	8.917	131	182759	11.184	ppbv	95
57) Chlorobenzene	8.920	112	283210	10.086	ppbv	97
58) Ethyl Benzene	9.351	91	536634	10.032	ppbv	96
59) m/p-Xylene	9.529	91	909704m	21.110	ppbv	
60) o-Xylene	9.959	91	463713	10.686	ppbv	96
61) Styrene	9.869	104	195813	9.454	ppbv	98
62) Isopropylbenzene	10.535	105	672630	10.558	ppbv	98
63) 1,1,2,2-Tetrachloroethane	9.959	83	272746	9.699	ppbv	99
64) n-propylbenzene	10.985	120	160736	10.037	ppbv	90
65) tert-Butylbenzene	11.529	119	616872	10.535	ppbv	98
66) Benzyl Chloride	11.613	91	49841	7.746	ppbv	98
67) sec-Butylbenzene	11.765	105	869595	10.677	ppbv	99
69) p-Isopropyltoluene	11.924	119	738863	10.442	ppbv	96
70) n-Butylbenzene	12.280	91	787717	10.688	ppbv	98
71) 2-Chlorotoluene	10.898	91	528205	10.571	ppbv	96
72) 4-Ethyltoluene	11.121	105	559285	10.542	ppbv	96
73) 1,3,5-Trimethylbenzene	11.199	105	493949	10.546	ppbv	93
74) 1,2,4-Trimethylbenzene	11.535	105	554136	10.130	ppbv	96
75) 1,3-Dichlorobenzene	11.603	146	285025	10.024	ppbv	97
76) 1,4-Dichlorobenzene	11.668	146	291795	10.210	ppbv	98
77) 1,2-Dichlorobenzene	11.943	146	283700	10.261	ppbv	97
78) Hexachloro-1,3-Butadiene	13.879	225	263477	9.437	ppbv	99
79) Naphthalene	13.510	128	615408	9.408	ppbv	99
80) Naphthalene,2-methyl-	14.455	142	316788	8.497	ppbv	96
81) 1,2,4-Trichlorobenzene	13.439	180	263006	9.363	ppbv	98

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

