

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL020325\
 Data File : VL041975.D
 Acq On : 04 Feb 2025 08:34
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 02/04/2025
 Supervised By : Mahesh Dadoda 02/04/2025

Quant Time: Feb 04 09:12:51 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	2.797	49	151799	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.971	114	406425	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.894	117	349165	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.386 95 276076 10.039 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 100.400%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.502	85	215680	10.431	ppbv	98
3) Chlorodifluoromethane	1.479	51	226493	10.456	ppbv	99
4) Chloromethane	1.534	50	84814	10.907	ppbv	99
5) Vinyl Chloride	1.583	62	78609	9.980	ppbv	96
6) Bromomethane	1.670	94	37317	9.941	ppbv	92
7) Chloroethane	1.709	64	31601	10.312	ppbv	90
8) Dichlorotetrafluoroethane	1.557	85	179311	9.923	ppbv	98
9) Propene	1.486	41	87407	9.796	ppbv	97
10) Heptane	4.994	43	269065	11.281	ppbv	98
11) Trichlorofluoromethane	1.881	101	211652	9.840	ppbv	95
12) 1,1,2-Trichlorotrifluo...	2.146	101	167915	9.961	ppbv	99
13) Ethanol	1.725	45	4097	6.268	ppbv	90
14) Bromoethene	1.787	108	56936	9.225	ppbv	98
15) Acetone	1.839	43	174032	9.545	ppbv	100
16) 1,3-Butadiene	1.612	39	86003	10.510	ppbv	97
17) tert-Butyl alcohol	2.046	59	201308	8.971	ppbv	96
18) 1,1-Dichloroethene	2.039	96	73873	9.723	ppbv	98
19) Isopropyl Alcohol	1.890	45	98301	9.093	ppbv #	36
20) Methylene Chloride	2.065	84	64583	8.963	ppbv	92
21) Allyl Chloride	2.101	41	131041	10.380	ppbv	98
22) trans-1,2-Dichloroethene	2.347	96	83361	9.722	ppbv	95
23) Vinyl Acetate	2.470	43	73958	8.183	ppbv #	94
24) 1,1-Dichloroethane	2.415	63	169434	10.216	ppbv	98
25) Ethyl Acetate	2.845	43	544036	11.066	ppbv	99
26) Hexane	2.835	57	209291	10.763	ppbv	94
27) Carbon Disulfide	2.156	76	201943	10.495	ppbv	99
28) Methyl tert-Butyl Ether	2.447	73	107427	7.228	ppbv	99
29) Chloroform	2.855	83	325456	10.588	ppbv	99
30) Cyclohexane	3.871	84	171298	10.156	ppbv	98
31) cis-1,2-Dichloroethene	2.729	61	195717	9.559	ppbv	94
32) 1,1,1-Trichloroethane	3.379	97	306440	10.419	ppbv	99
34) 2-Butanone	2.567	43	294967	11.412	ppbv	98
35) Carbon Tetrachloride	3.774	117	314279	12.311	ppbv	98
36) Benzene	3.667	78	421071	11.296	ppbv	98
37) 1,2-Dichloroethane	3.227	62	233761	11.166	ppbv	100
38) Trichloroethene	4.564	130	167501	11.323	ppbv	96
39) 1,2-Dichloropropane	4.327	63	149318	11.419	ppbv	95
40) 1,4-Dioxane	4.599	88	71655	10.851	ppbv #	100
41) Tetrahydrofuran	3.065	42	165320	11.769	ppbv	96
42) Bromodichloromethane	4.505	83	325890	11.610	ppbv	100
43) Methyl Methacrylate	4.897	69	149800	10.817	ppbv	96
44) 2,2,4-Trimethylpentane	4.654	57	726996	12.057	ppbv	99
45) t-1,3-Dichloropropene	6.435	75	134110	10.346	ppbv	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.619	75	184550	10.844	ppbv	99
47) 1,1,2-Trichloroethane	6.600	97	168219	12.138	ppbv	96
48) Dibromochloromethane	7.402	129	252709	11.818	ppbv	100
49) Bromoform	9.493	173	214835	12.231	ppbv	99
50) 4-Methyl-2-Pentanone	5.774	43	426844	12.097	ppbv	98
51) 2-Hexanone	7.451	43	335938	12.391	ppbv #	96
52) Tetrachloroethene	8.237	164	135069	10.450	ppbv	97
53) Toluene	6.949	91	468681	11.543	ppbv	100
54) 1,2-Dibromoethane	7.668	107	223193	11.715	ppbv	92
56) 1,1,1,2-Tetrachloroethane	8.936	131	220240	12.643	ppbv	99
57) Chlorobenzene	8.933	112	401878	12.478	ppbv	99
58) Ethyl Benzene	9.367	91	658933	12.075	ppbv	96
59) m/p-Xylene	9.561	91	1129226m	25.818	ppbv	
60) o-Xylene	9.975	91	557105	12.832	ppbv	98
61) Styrene	9.882	104	239200	12.282	ppbv	99
62) Isopropylbenzene	10.548	105	825901	12.294	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.972	83	357674	12.893	ppbv	100
64) n-propylbenzene	10.998	120	218875	12.894	ppbv	99
65) tert-Butylbenzene	11.542	119	744179	12.156	ppbv	99
66) Benzyl Chloride	11.626	91	42794	11.293	ppbv	100
67) sec-Butylbenzene	11.775	105	1042572	12.367	ppbv	99
69) p-Isopropyltoluene	11.934	119	863419	12.438	ppbv	98
70) n-Butylbenzene	12.290	91	838410	12.178	ppbv	100
71) 2-Chlorotoluene	10.911	91	611081	12.297	ppbv	99
72) 4-Ethyltoluene	11.134	105	675766	13.013	ppbv	100
73) 1,3,5-Trimethylbenzene	11.215	105	572424	12.482	ppbv	95
74) 1,2,4-Trimethylbenzene	11.545	105	630559	12.696	ppbv	99
75) 1,3-Dichlorobenzene	11.616	146	366863	12.466	ppbv	99
76) 1,4-Dichlorobenzene	11.681	146	363709	12.632	ppbv	99
77) 1,2-Dichlorobenzene	11.956	146	359344	12.320	ppbv	99
78) Hexachloro-1,3-Butadiene	13.889	225	216903	9.060	ppbv	100
79) Naphthalene	13.523	128	505212	10.103	ppbv	99
80) Naphthalene,2-methyl-	14.468	142	159000	6.707	ppbv	99
81) 1,2,4-Trichlorobenzene	13.448	180	217837	8.925	ppbv	99

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

