

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010325\
 Data File : VL041828.D
 Acq On : 03 Jan 2025 14:25
 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 01/06/2025
 Supervised By : Mahesh Dadoda 01/06/2025

Quant Time: Jan 03 14:48:04 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL121624AIR.M

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

QLast Update : Thu Dec 19 07:32:09 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.800	49	88552	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	3.978	114	217974	10.000	ppbv	0.02
55) Chlorobenzene-d5	8.901	117	197278	10.000	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.393 95 175707 10.688 ppbv 0.02
 Spiked Amount 10.000 Range 65 - 135 Recovery = 106.900%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.502	85	112729	7.154	ppbv	97
3) Chlorodifluoromethane	1.479	51	131672	9.118	ppbv	99
4) Chloromethane	1.538	50	55464	8.997	ppbv	96
5) Vinyl Chloride	1.586	62	50974	8.207	ppbv	96
6) Bromomethane	1.673	94	24403	8.326	ppbv	97
7) Chloroethane	1.709	64	20952	8.684	ppbv	94
8) Dichlorotetrafluoroethane	1.560	85	119960	8.506	ppbv	96
9) Propene	1.489	41	48181	7.698	ppbv	98
10) Heptane	5.007	43	138579	8.619	ppbv	100
11) Trichlorofluoromethane	1.884	101	141063	8.428	ppbv	97
12) 1,1,2-Trichlorotrifluo...	2.149	101	106483	8.365	ppbv	95
13) Ethanol	1.728	45	4051	7.816	ppbv	96
14) Bromoethene	1.787	108	35842	8.340	ppbv	98
15) Acetone	1.842	43	131762	7.647	ppbv	99
16) 1,3-Butadiene	1.615	39	59523	8.773	ppbv	95
17) tert-Butyl alcohol	2.049	59	144448	8.451	ppbv	100
18) 1,1-Dichloroethene	2.042	96	44633	8.363	ppbv	94
19) Isopropyl Alcohol	1.894	45	72908m	7.052	ppbv	
20) Methylene Chloride	2.068	84	39535	8.047	ppbv	95
21) Allyl Chloride	2.104	41	83120	8.895	ppbv	98
22) trans-1,2-Dichloroethene	2.350	96	50494	8.266	ppbv	95
23) Vinyl Acetate	2.473	43	66393	8.299	ppbv	98
24) 1,1-Dichloroethane	2.418	63	106352	8.600	ppbv	99
25) Ethyl Acetate	2.848	43	289375	9.028	ppbv	99
26) Hexane	2.839	57	103735	8.528	ppbv	93
27) Carbon Disulfide	2.159	76	101328	9.244	ppbv	95
28) Methyl tert-Butyl Ether	2.453	73	79334	8.040	ppbv	98
29) Chloroform	2.861	83	165249	8.915	ppbv	96
30) Cyclohexane	3.878	84	84824	8.196	ppbv	98
31) cis-1,2-Dichloroethene	2.732	61	104361	8.303	ppbv	99
32) 1,1,1-Trichloroethane	3.382	97	161247	8.557	ppbv	98
34) 2-Butanone	2.570	43	165560	9.441	ppbv	99
35) Carbon Tetrachloride	3.781	117	164210	10.612	ppbv	94
36) Benzene	3.674	78	210146	9.320	ppbv	99
37) 1,2-Dichloroethane	3.234	62	131882	9.400	ppbv	100
38) Trichloroethene	4.570	130	80300	8.390	ppbv	97
39) 1,2-Dichloropropane	4.337	63	77276	9.476	ppbv	97
40) 1,4-Dioxane	4.609	88	36961	9.278	ppbv #	98
41) Tetrahydrofuran	3.068	42	91011	9.264	ppbv	97
42) Bromodichloromethane	4.512	83	166985	10.346	ppbv	97
43) Methyl Methacrylate	4.907	69	76334	8.886	ppbv	98
44) 2,2,4-Trimethylpentane	4.664	57	365727	9.498	ppbv	98
45) t-1,3-Dichloropropene	6.444	75	77404	8.711	ppbv	96

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 QLast Update : Thu Dec 19 07:32:09 2024
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.635	75	99148	8.789	ppbv	97
47) 1,1,2-Trichloroethane	6.613	97	78623	9.231	ppbv	96
48) Dibromochloromethane	7.409	129	123832	10.647	ppbv	98
49) Bromoform	9.503	173	100968	10.606	ppbv	99
50) 4-Methyl-2-Pentanone	5.784	43	223795	9.373	ppbv	99
51) 2-Hexanone	7.461	43	175298	9.058	ppbv #	97
52) Tetrachloroethene	8.247	164	66967	7.979	ppbv	92
53) Toluene	6.959	91	222427	8.701	ppbv	100
54) 1,2-Dibromoethane	7.674	107	109597	9.338	ppbv	97
56) 1,1,1,2-Tetrachloroethane	8.946	131	103697	9.915	ppbv	99
57) Chlorobenzene	8.940	112	185476	9.188	ppbv	98
58) Ethyl Benzene	9.373	91	319181	8.987	ppbv	98
59) m/p-Xylene	9.568	91	542115m	18.983	ppbv	
60) o-Xylene	9.982	91	269868	9.423	ppbv	99
61) Styrene	9.888	104	114682	9.261	ppbv	98
62) Isopropylbenzene	10.555	105	395709	9.197	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.979	83	174915	9.758	ppbv	100
64) n-propylbenzene	11.005	120	102103	9.386	ppbv	98
65) tert-Butylbenzene	11.545	119	360527	9.287	ppbv	99
66) Benzyl Chloride	11.633	91	30092	8.800	ppbv	98
67) sec-Butylbenzene	11.781	105	511842	9.528	ppbv	99
69) p-Isopropyltoluene	11.940	119	421948	9.531	ppbv	99
70) n-Butylbenzene	12.296	91	415898	9.723	ppbv	99
71) 2-Chlorotoluene	10.917	91	299381	9.116	ppbv	99
72) 4-Ethyltoluene	11.141	105	323292	9.564	ppbv	99
73) 1,3,5-Trimethylbenzene	11.218	105	279499	9.966	ppbv	98
74) 1,2,4-Trimethylbenzene	11.552	105	309494	10.262	ppbv	99
75) 1,3-Dichlorobenzene	11.623	146	177816	9.248	ppbv	98
76) 1,4-Dichlorobenzene	11.688	146	179214	9.435	ppbv	99
77) 1,2-Dichlorobenzene	11.963	146	170641	9.223	ppbv	100
78) Hexachloro-1,3-Butadiene	13.895	225	99498	7.253	ppbv	99
79) Naphthalene	13.529	128	213428	10.156	ppbv	98
80) Naphthalene,2-methyl-	14.471	142	85446	13.146	ppbv	100
81) 1,2,4-Trichlorobenzene	13.455	180	100592	8.760	ppbv	99

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

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