

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112222\
 Data File : VL039934.D
 Acq On : 23 Nov 2022 9:08
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 11/23/2022
 Supervised By : Mahesh Dadoda 11/24/2022

Quant Time: Nov 23 09:48:19 2022

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111822AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2022

QLast Update : Tue Nov 22 03:45:31 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.169	49	911279	10.000	ppbv	0.01
33) 1,4-Difluorobenzene	6.635	114	2761375	10.000	ppbv	0.02
55) Chlorobenzene-d5	11.452	117	2584034	10.000	ppbv	0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.764 95 2012564 10.197 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 102.000%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.706	85	1846609	14.149	ppbv	95
3) Chlorodifluoromethane	2.652	51	1265721	10.065	ppbv	99
4) Chloromethane	2.790	50	731304	9.101	ppbv	99
5) Vinyl Chloride	2.899	62	662883	10.557	ppbv	100
6) Bromomethane	3.095	94	286424	13.373	ppbv	96
7) Chloroethane	3.173	64	248062	9.995	ppbv	90
8) Dichlorotetrafluoroethane	2.835	85	1597016	10.716	ppbv	100
9) Propene	2.671	41	578196	9.761	ppbv	99
10) Heptane	7.561	43	1432248	10.021	ppbv	99
11) Trichlorofluoromethane	3.542	101	1647181	10.347	ppbv	97
12) 1,1,2-Trichlorotrifluo...	4.047	101	1241971	10.308	ppbv	97
13) Ethanol	3.218	45	34856m	7.707	ppbv	
14) Bromoethene	3.343	108	495921	10.555	ppbv	99
15) Acetone	3.446	43	1214171	10.045	ppbv	98
16) 1,3-Butadiene	2.964	39	638381	10.597	ppbv	99
17) tert-Butyl alcohol	3.854	59	1440220	10.363	ppbv	99
18) 1,1-Dichloroethene	3.857	96	546563	9.945	ppbv	98
19) Isopropyl Alcohol	3.552	45	616728	9.424	ppbv	88
20) Methylene Chloride	3.909	84	491854	8.399	ppbv	97
21) Allyl Chloride	3.973	41	865773	10.326	ppbv	99
22) trans-1,2-Dichloroethene	4.423	96	583765	10.445	ppbv	98
23) Vinyl Acetate	4.603	43	236901m	4.771	ppbv	
24) 1,1-Dichloroethane	4.542	63	1212894	10.130	ppbv	99
25) Ethyl Acetate	5.182	43	2594122	11.689	ppbv	99
26) Hexane	5.195	57	989961	10.212	ppbv	88
27) Carbon Disulfide	4.102	76	1382600	11.296	ppbv	99
28) Methyl tert-Butyl Ether	4.565	73	1189789	9.802	ppbv	100
29) Chloroform	5.253	83	1398064	10.852	ppbv	96
30) Cyclohexane	6.578	84	952157	10.008	ppbv	97
31) cis-1,2-Dichloroethene	5.057	61	944769	10.548	ppbv	98
32) 1,1,1-Trichloroethane	5.986	97	1646888	10.236	ppbv	99
34) 2-Butanone	4.764	43	1406089	10.642	ppbv	100
35) Carbon Tetrachloride	6.475	117	1707012	10.885	ppbv	97
36) Benzene	6.353	78	2344490	9.989	ppbv	98
37) 1,2-Dichloroethane	5.787	62	1272133	9.890	ppbv	100
38) Trichloroethene	7.272	130	1072157	8.172	ppbv	96
39) 1,2-Dichloropropane	7.057	63	890029	9.733	ppbv	97
40) 1,4-Dioxane	7.269	88	347653	9.543	ppbv	93
41) Tetrahydrofuran	5.536	42	935545	10.256	ppbv	99
42) Bromodichloromethane	7.234	83	1863370	10.682	ppbv	97
43) Methyl Methacrylate	7.455	69	996509	10.829	ppbv	99
44) 2,2,4-Trimethylpentane	7.307	57	3868950	9.874	ppbv	99
45) t-1,3-Dichloropropene	8.693	75	854349	10.049	ppbv	96

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 12 2022

QLast Update : Tue Nov 22 03:45:31 2022

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.124	75	1178030	10.002	ppbv	99
47) 1,1,2-Trichloroethane	8.883	97	955296	10.164	ppbv	98
48) Dibromochloromethane	9.693	129	1575730	11.447	ppbv	100
49) Bromoform	12.397	173	1290702	11.583	ppbv	100
50) 4-Methyl-2-Pentanone	8.166	43	2397398	10.131	ppbv	100
51) 2-Hexanone	9.536	43	1887214	10.273	ppbv #	100
52) Tetrachloroethene	10.603	164	823907	9.383	ppbv	98
53) Toluene	9.205	91	2684250	10.039	ppbv	99
54) 1,2-Dibromoethane	9.992	107	1221249	12.176	ppbv	96
56) 1,1,1,2-Tetrachloroethane	11.494	131	1194494	11.309	ppbv	97
57) Chlorobenzene	11.513	112	2020974	10.229	ppbv	99
58) Ethyl Benzene	12.073	91	3562327	10.162	ppbv	99
59) m/p-Xylene	12.359	91	5960909m	20.316	ppbv	
60) o-Xylene	13.044	91	2836630	10.138	ppbv	99
61) Styrene	12.886	104	1756203	10.515	ppbv	99
62) Isopropylbenzene	14.018	105	4366569	10.822	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.034	83	1545001	16.536	ppbv	100
64) n-propylbenzene	14.905	120	1149520	10.890	ppbv	95
65) tert-Butylbenzene	16.082	119	3786918	10.728	ppbv	99
66) Benzyl Chloride	16.320	91	208023	6.877	ppbv	98
67) sec-Butylbenzene	16.625	105	5307000	10.935	ppbv	98
69) p-Isopropyltoluene	16.986	119	4346158	10.871	ppbv	98
70) n-Butylbenzene	17.876	91	4382395	11.056	ppbv	98
71) 2-Chlorotoluene	14.790	91	3258219	10.653	ppbv	99
72) 4-Ethyltoluene	15.185	105	3328184	10.582	ppbv	99
73) 1,3,5-Trimethylbenzene	15.343	105	3010972	10.458	ppbv	99
74) 1,2,4-Trimethylbenzene	16.098	105	3183884	10.445	ppbv	96
75) 1,3-Dichlorobenzene	16.323	146	1792109	10.450	ppbv	99
76) 1,4-Dichlorobenzene	16.461	146	1740941	10.240	ppbv	98
77) 1,2-Dichlorobenzene	17.133	146	1732629	10.479	ppbv	100
78) Hexachloro-1,3-Butadiene	22.625	225	1214921	10.590	ppbv	99
79) Naphthalene	21.374	128	2428697	13.313	ppbv	99
80) Naphthalene,2-methyl-	24.365	142	674821	13.152	ppbv	94
81) 1,2,4-Trichlorobenzene	21.130	180	1274415	11.312	ppbv	99

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

