

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110222\
 Data File : VL039810.D
 Acq On : 2 Nov 2022 10:43
 Operator : SY/AP
 Sample : VSTDICCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 11/03/2022
 Supervised By :Mahesh Dadoda 11/03/2022

Quant Time: Nov 02 11:25:24 2022

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110222AIR.M

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

QLast Update : Mon Oct 24 20:00:55 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.188	49	1042860	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.645	114	2869680	10.000	ppbv	-0.01
55) Chlorobenzene-d5	11.452	117	2732583	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.760 95 2043687 10.513 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 105.100%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.742	85	1607097	14.718	ppbv	99
3) Chlorodifluoromethane	2.687	51	1271454	10.149	ppbv	97
4) Chloromethane	2.825	50	801318	10.218	ppbv	99
5) Vinyl Chloride	2.931	62	690989	10.623	ppbv	98
6) Bromomethane	3.127	94	235370	10.072	ppbv	99
7) Chloroethane	3.208	64	245372	10.504	ppbv	98
8) Dichlorotetrafluoroethane	2.867	85	1516988	10.642	ppbv	99
9) Propene	2.706	41	652466	12.122	ppbv	97
10) Heptane	7.568	43	1594728	12.375	ppbv	99
11) Trichlorofluoromethane	3.568	101	1474539	9.665	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.069	101	1094261	9.249	ppbv	99
13) Ethanol	3.250	45	40248m	10.412	ppbv	
14) Bromoethene	3.375	108	482502	10.276	ppbv	96
15) Acetone	3.475	43	1129117	9.065	ppbv	94
16) 1,3-Butadiene	2.996	39	621238	10.091	ppbv	91
17) tert-Butyl alcohol	3.880	59	1323165	13.024	ppbv	97
18) 1,1-Dichloroethene	3.886	96	500532m	9.614	ppbv	
19) Isopropyl Alcohol	3.581	45	675382	11.572	ppbv #	1
20) Methylene Chloride	3.938	84	437822	9.239	ppbv	98
21) Allyl Chloride	3.999	41	869415	10.784	ppbv	99
22) trans-1,2-Dichloroethene	4.446	96	516967	9.559	ppbv	99
23) Vinyl Acetate	4.626	43	506727	10.553	ppbv #	98
24) 1,1-Dichloroethane	4.565	63	1072029	9.587	ppbv	98
25) Ethyl Acetate	5.205	43	2742862	11.263	ppbv	100
26) Hexane	5.211	57	1173335	11.587	ppbv	96
27) Carbon Disulfide	4.127	76	1355512	11.277	ppbv	96
28) Methyl tert-Butyl Ether	4.587	73	1086378	12.331	ppbv	99
29) Chloroform	5.269	83	1716548	10.783	ppbv	98
30) Cyclohexane	6.594	84	992023	11.956	ppbv	97
31) cis-1,2-Dichloroethene	5.076	61	1122582	11.485	ppbv	99
32) 1,1,1-Trichloroethane	5.999	97	1728375	11.962	ppbv	96
34) 2-Butanone	4.787	43	1252482	9.278	ppbv	97
35) Carbon Tetrachloride	6.484	117	1802191	11.015	ppbv	100
36) Benzene	6.362	78	2523224	11.417	ppbv	97
37) 1,2-Dichloroethane	5.803	62	1258892	10.489	ppbv	99
38) Trichloroethene	7.282	130	1347206	10.798	ppbv	97
39) 1,2-Dichloropropane	7.063	63	977886	11.485	ppbv	97
40) 1,4-Dioxane	7.278	88	394982	13.610	ppbv #	100
41) Tetrahydrofuran	5.552	42	1035718	12.348	ppbv	96
42) Bromodichloromethane	7.240	83	1968743	11.648	ppbv	98
43) Methyl Methacrylate	7.465	69	1027205	13.347	ppbv	95
44) 2,2,4-Trimethylpentane	7.317	57	4153750	11.242	ppbv	98
45) t-1,3-Dichloropropene	8.696	75	1069728	16.361	ppbv	98

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46) cis-1,3-Dichloropropene	8.130	75	1399428	14.915	ppbv	95
47) 1,1,2-Trichloroethane	8.889	97	989451	10.854	ppbv	97
48) Dibromochloromethane	9.696	129	1732934	11.808	ppbv	100
49) Bromoform	12.387	173	1433742	11.995	ppbv	97
50) 4-Methyl-2-Pentanone	8.172	43	2557302	12.073	ppbv	97
51) 2-Hexanone	9.542	43	2049052	13.214	ppbv #	96
52) Tetrachloroethene	10.603	164	902917	10.907	ppbv	96
53) Toluene	9.208	91	2879001	12.434	ppbv	97
54) 1,2-Dibromoethane	9.995	107	1175825	12.706	ppbv	98
56) 1,1,1,2-Tetrachloroethane	11.494	131	1196906	10.351	ppbv	100
57) Chlorobenzene	11.510	112	2125437	10.140	ppbv	97
58) Ethyl Benzene	12.076	91	3792381	12.182	ppbv	97
59) m/p-Xylene	12.362	91	6198486m	22.061	ppbv	
60) o-Xylene	13.043	91	2964885	11.254	ppbv	98
61) Styrene	12.886	104	1921064	13.884	ppbv	99
62) Isopropylbenzene	14.014	105	4282224	10.639	ppbv	97
63) 1,1,2,2-Tetrachloroethane	13.031	83	1062730	9.591	ppbv	99
64) n-propylbenzene	14.905	120	1170606	11.485	ppbv	85
65) tert-Butylbenzene	16.079	119	3684911	10.506	ppbv	99
66) Benzyl Chloride	16.313	91	507393	20.394	ppbv	96
67) sec-Butylbenzene	16.622	105	5123189	10.370	ppbv	98
69) p-Isopropyltoluene	16.985	119	4262162	10.665	ppbv	98
70) n-Butylbenzene	17.873	91	4173997	10.923	ppbv	98
71) 2-Chlorotoluene	14.786	91	3266121	11.683	ppbv	100
72) 4-Ethyltoluene	15.178	105	3468648	11.429	ppbv	99
73) 1,3,5-Trimethylbenzene	15.339	105	3066978	11.292	ppbv	96
74) 1,2,4-Trimethylbenzene	16.095	105	3157773	10.266	ppbv	99
75) 1,3-Dichlorobenzene	16.317	146	1892540	10.138	ppbv	99
76) 1,4-Dichlorobenzene	16.458	146	1835409	10.309	ppbv	98
77) 1,2-Dichlorobenzene	17.130	146	1774942	9.971	ppbv	100
78) Hexachloro-1,3-Butadiene	22.619	225	1141257	8.412	ppbv	99
79) Naphthalene	21.371	128	2328693	12.380	ppbv	98
80) Naphthalene,2-methyl-	24.368	142	1024035	16.033	ppbv	99
81) 1,2,4-Trichlorobenzene	21.130	180	1246262	10.025	ppbv	99

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

