

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052322\
 Data File : VL039113.D
 Acq On : 24 May 2022 10:28
 Operator : SY/AP
 Sample : VSTDCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 05/25/2022
 Supervised By : Mahesh Dadoda 05/26/2022

Quant Time: May 25 04:16:09 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050522AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu May 26 13:07:53 2022

QLast Update : Thu May 05 10:12:15 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.645	49	1096056	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene	7.150	114	2680084	10.000	ppbv	-0.02
55) Chlorobenzene-d5	12.053	117	2484205m	10.000	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.378 95 1942863 9.875 ppbv -0.03
 Spiked Amount 10.000 Range 65 - 135 Recovery = 98.800%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.038	85	1192118	6.942	ppbv	99
3) Chlorodifluoromethane	2.980	51	1361923	10.014	ppbv	98
4) Chloromethane	3.131	50	622530	9.140	ppbv	97
5) Vinyl Chloride	3.247	62	635485	10.218	ppbv	95
6) Bromomethane	3.465	94	302097	10.282	ppbv	92
7) Chloroethane	3.546	64	220517	10.593	ppbv	93
8) Dichlorotetrafluoroethane	3.179	85	1543683	9.918	ppbv	99
9) Propene	3.002	41	567968	9.563	ppbv	99
10) Heptane	8.095	43	1450631	9.955	ppbv	100
11) Trichlorofluoromethane	3.935	101	1464621	9.940	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.468	101	1055592	10.400	ppbv	97
13) Ethanol	3.594	45	56638m	13.475	ppbv	
14) Bromoethene	3.729	108	454655	10.862	ppbv	99
15) Acetone	3.832	43	1054872	10.203	ppbv	99
16) 1,3-Butadiene	3.317	39	596761	10.046	ppbv	100
17) tert-Butyl alcohol	4.266	59	905617	11.397	ppbv	98
18) 1,1-Dichloroethene	4.272	96	465105	10.647	ppbv	95
19) Isopropyl Alcohol	3.941	45	542269	11.031	ppbv #	96
20) Methylene Chloride	4.330	84	402431	10.327	ppbv	96
21) Allyl Chloride	4.394	41	721928	10.247	ppbv	98
22) trans-1,2-Dichloroethene	4.867	96	489273	10.369	ppbv	93
23) Vinyl Acetate	5.050	43	703543	8.600	ppbv #	98
24) 1,1-Dichloroethane	4.989	63	966141	10.256	ppbv	99
25) Ethyl Acetate	5.652	43	2816022	11.380	ppbv	99
26) Hexane	5.668	57	1130760	10.284	ppbv	95
27) Carbon Disulfide	4.533	76	1102158	10.552	ppbv	99
28) Methyl tert-Butyl Ether	5.012	73	891562	10.657	ppbv	99
29) Chloroform	5.732	83	1761470	9.902	ppbv	98
30) Cyclohexane	7.105	84	918617	9.979	ppbv	96
31) cis-1,2-Dichloroethene	5.529	61	1124383	10.038	ppbv	97
32) 1,1,1-Trichloroethane	6.488	97	1821550	10.241	ppbv	99
34) 2-Butanone	5.221	43	1491150	10.906	ppbv	100
35) Carbon Tetrachloride	6.996	117	1853169	10.494	ppbv	97
36) Benzene	6.867	78	2211912	9.644	ppbv	99
37) 1,2-Dichloroethane	6.282	62	1399068	9.859	ppbv	100
38) Trichloroethene	7.809	130	881871	8.649	ppbv	98
39) 1,2-Dichloropropane	7.587	63	883909	9.905	ppbv	96
40) 1,4-Dioxane	7.800	88	311626	9.722	ppbv	94
41) Tetrahydrofuran	6.025	42	907989	9.881	ppbv	99
42) Bromodichloromethane	7.764	83	1999781	10.308	ppbv	98
43) Methyl Methacrylate	7.986	69	979737	10.522	ppbv	98
44) 2,2,4-Trimethylpentane	7.845	57	3844305	9.552	ppbv	100
45) t-1,3-Dichloropropene	9.250	75	771762	8.563	ppbv	97

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.674	75	1098867	9.194	ppbv	99
47) 1,1,2-Trichloroethane	9.446	97	911362	9.819	ppbv	97
48) Dibromochloromethane	10.272	129	1591152	10.532	ppbv	100
49) Bromoform	13.005	173	1281081	11.119	ppbv	100
50) 4-Methyl-2-Pentanone	8.709	43	2313955	9.651	ppbv	99
51) 2-Hexanone	10.102	43	1746585	9.981	ppbv	100
52) Tetrachloroethene	11.192	164	791459	9.656	ppbv	98
53) Toluene	9.777	91	2585061	10.056	ppbv	99
54) 1,2-Dibromoethane	10.581	107	1328188	10.511	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.092	131	1153563	10.584	ppbv	96
57) Chlorobenzene	12.114	112	1829316	9.824	ppbv	99
58) Ethyl Benzene	12.680	91	3471174	9.709	ppbv	97
59) m/p-Xylene	12.967	91	5971682m	19.566	ppbv	
60) o-Xylene	13.658	91	2802652	9.757	ppbv	100
61) Styrene	13.491	104	1534213	10.004	ppbv	99
62) Isopropylbenzene	14.632	105	4167743	9.922	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.642	83	1924403	11.377	ppbv	100
64) n-propylbenzene	15.526	120	1068871	10.525	ppbv	100
65) tert-Butylbenzene	16.709	119	3731601	10.138	ppbv	99
66) Benzyl Chloride	16.953	91	250993	5.217	ppbv	97
67) sec-Butylbenzene	17.256	105	5357283	10.188	ppbv	99
69) p-Isopropyltoluene	17.616	119	4400956	10.360	ppbv	99
70) n-Butylbenzene	18.513	91	4700284	10.414	ppbv	99
71) 2-Chlorotoluene	15.413	91	3229430	9.972	ppbv	100
72) 4-Ethyltoluene	15.806	105	3351502	10.239	ppbv	98
73) 1,3,5-Trimethylbenzene	15.960	105	2981130	10.116	ppbv	95
74) 1,2,4-Trimethylbenzene	16.728	105	3261109	10.107	ppbv	96
75) 1,3-Dichlorobenzene	16.960	146	1810036	10.238	ppbv	99
76) 1,4-Dichlorobenzene	17.105	146	1786449	10.272	ppbv	99
77) 1,2-Dichlorobenzene	17.780	146	1787696	10.224	ppbv	99
78) Hexachloro-1,3-Butadiene	23.333	225	1370496	8.529	ppbv	99
79) Naphthalene	22.149	128	2505061	9.558	ppbv	100
80) Naphthalene,2-methyl-	24.937	142	578372	7.295	ppbv	97
81) 1,2,4-Trichlorobenzene	21.883	180	1394461	9.080	ppbv	99

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

