

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL062422\
 Data File : VL039336.D
 Acq On : 24 Jun 2022 10:11
 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 06/27/2022
 Supervised By : Mahesh Dadoda 06/30/2022

Quant Time: Jun 27 01:48:40 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL053122AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jun 01 01:22:18 2022

QLast Update : Wed Jun 01 01:22:18 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.661	49	1303722	10.000	ppbv	-0.01
33) 1,4-Difluorobenzene	7.166	114	3592647	10.000	ppbv	-0.02
55) Chlorobenzene-d5	12.076	117	3473655m	10.000	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.404 95 2556999 8.904 ppbv -0.01
 Spiked Amount 10.000 Range 65 - 135 Recovery = 89.000%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.047	85	1732763	7.567	ppbv	99
3) Chlorodifluoromethane	2.986	51	1514873	9.132	ppbv	98
4) Chloromethane	3.141	50	827640	9.713	ppbv	100
5) Vinyl Chloride	3.253	62	809636	10.164	ppbv	96
6) Bromomethane	3.472	94	351819	8.979	ppbv	90
7) Chloroethane	3.559	64	308038	11.098	ppbv	94
8) Dichlorotetrafluoroethane	3.186	85	1990209	9.510	ppbv	97
9) Propene	3.009	41	688417	9.518	ppbv	98
10) Heptane	8.115	43	1706007	10.111	ppbv	99
11) Trichlorofluoromethane	3.948	101	1913340	9.231	ppbv	96
12) 1,1,2-Trichlorotrifluo...	4.481	101	1429621	10.429	ppbv	99
13) Ethanol	3.597	45	41483m	10.516	ppbv	
14) Bromoethene	3.735	108	629485	10.215	ppbv	97
15) Acetone	3.841	43	1429005	10.522	ppbv	98
16) 1,3-Butadiene	3.324	39	775371	10.621	ppbv	97
17) tert-Butyl alcohol	4.279	59	1356965	12.882	ppbv	99
18) 1,1-Dichloroethene	4.285	96	655813	10.665	ppbv	85
19) Isopropyl Alcohol	3.954	45	758197	11.903	ppbv #	96
20) Methylene Chloride	4.340	84	542104	9.472	ppbv	93
21) Allyl Chloride	4.404	41	1065139	11.627	ppbv	98
22) trans-1,2-Dichloroethene	4.880	96	673251	11.379	ppbv	94
23) Vinyl Acetate	5.067	43	1076094	9.577	ppbv	99
24) 1,1-Dichloroethane	5.005	63	1366027	8.873	ppbv	99
25) Ethyl Acetate	5.668	43	3069632	10.029	ppbv	99
26) Hexane	5.681	57	1321944	9.828	ppbv	99
27) Carbon Disulfide	4.546	76	1610909	11.555	ppbv	99
28) Methyl tert-Butyl Ether	5.028	73	1265631	8.523	ppbv	99
29) Chloroform	5.745	83	2049413	9.054	ppbv	100
30) Cyclohexane	7.128	84	1134527	10.040	ppbv	97
31) cis-1,2-Dichloroethene	5.542	61	1321861	9.638	ppbv	96
32) 1,1,1-Trichloroethane	6.504	97	2085318	9.415	ppbv	100
34) 2-Butanone	5.237	43	1811332	9.280	ppbv	100
35) Carbon Tetrachloride	7.012	117	2165940	8.260	ppbv	97
36) Benzene	6.886	78	2714944	9.308	ppbv	99
37) 1,2-Dichloroethane	6.301	62	1572854	8.194	ppbv	98
38) Trichloroethene	7.828	130	1368846	10.218	ppbv	97
39) 1,2-Dichloropropane	7.607	63	1012143	8.724	ppbv	98
40) 1,4-Dioxane	7.822	88	373855	9.788	ppbv	89
41) Tetrahydrofuran	6.041	42	1080872	9.208	ppbv	100
42) Bromodichloromethane	7.783	83	2251585	8.452	ppbv	100
43) Methyl Methacrylate	8.009	69	1091698	9.609	ppbv	98
44) 2,2,4-Trimethylpentane	7.864	57	4584585	8.985	ppbv	99
45) t-1,3-Dichloropropene	9.269	75	1066452	9.013	ppbv	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.693	75	1403704	8.980	ppbv	97
47) 1,1,2-Trichloroethane	9.468	97	1132497	9.357	ppbv	98
48) Dibromochloromethane	10.298	129	1950631	9.026	ppbv	100
49) Bromoform	13.031	173	1603943	8.906	ppbv	99
50) 4-Methyl-2-Pentanone	8.729	43	2791394	9.554	ppbv	100
51) 2-Hexanone	10.121	43	2107866	9.272	ppbv #	99
52) Tetrachloroethene	11.214	164	1045478	9.181	ppbv	99
53) Toluene	9.796	91	3252084	9.683	ppbv	99
54) 1,2-Dibromoethane	10.603	107	1493365	9.182	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.118	131	1419535	8.636	ppbv	99
57) Chlorobenzene	12.137	112	2398786	9.178	ppbv	95
58) Ethyl Benzene	12.703	91	4334961	9.060	ppbv	99
59) m/p-Xylene	12.986	91	7337936m	17.415	ppbv	
60) o-Xylene	13.684	91	3518003	8.885	ppbv	98
61) Styrene	13.516	104	2093949	9.876	ppbv	96
62) Isopropylbenzene	14.658	105	5202832	8.841	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.664	83	1768248	7.957	ppbv	99
64) n-propylbenzene	15.548	120	1358028	9.388	ppbv	93
65) tert-Butylbenzene	16.735	119	4764800	8.855	ppbv	96
66) Benzyl Chloride	16.979	91	515571	7.369	ppbv	98
67) sec-Butylbenzene	17.281	105	6494780	8.846	ppbv	99
69) p-Isopropyltoluene	17.638	119	5628739	9.087	ppbv	98
70) n-Butylbenzene	18.535	91	5552538	8.733	ppbv	99
71) 2-Chlorotoluene	15.442	91	3831730	8.539	ppbv	97
72) 4-Ethyltoluene	15.828	105	4195736	9.042	ppbv	99
73) 1,3,5-Trimethylbenzene	15.986	105	3866206	9.237	ppbv	100
74) 1,2,4-Trimethylbenzene	16.751	105	4160732	8.908	ppbv	95
75) 1,3-Dichlorobenzene	16.982	146	2460628	9.308	ppbv	98
76) 1,4-Dichlorobenzene	17.124	146	2387271	9.051	ppbv	97
77) 1,2-Dichlorobenzene	17.806	146	2375621	8.916	ppbv	99
78) Hexachloro-1,3-Butadiene	23.362	225	1788660	7.341	ppbv	99
79) Naphthalene	22.178	128	3538251	9.841	ppbv	98
80) Naphthalene,2-methyl-	24.956	142	1192755	8.929	ppbv	97
81) 1,2,4-Trichlorobenzene	21.915	180	2053674m	9.016	ppbv	

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

Manual Integrations

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[illegible]