

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL062422\
 Data File : VL039338.D
 Acq On : 24 Jun 2022 12:17
 Operator : SY/AP
 Sample : VL0624ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0624ABS01

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 06/27/2022
 Supervised By : Mahesh Dadoda 06/30/2022

Quant Time: Jun 27 01:49:30 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	1228210	10.000	ppbv	-0.01
33) 1,4-Difluorobenzene	7.169	114	3479356	10.000	ppbv	-0.01
55) Chlorobenzene-d5	12.079	117	3166704m	10.000	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.404 95 2527955 9.656 ppbv -0.01
 Spiked Amount 10.000 Range 65 - 135 Recovery = 96.600%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.047	85	1586882	7.356	ppbv	95
3) Chlorodifluoromethane	2.986	51	1422614	9.103	ppbv	99
4) Chloromethane	3.137	50	779720	9.714	ppbv	99
5) Vinyl Chloride	3.253	62	770898	10.273	ppbv	98
6) Bromomethane	3.468	94	344842	9.342	ppbv	98
7) Chloroethane	3.552	64	271118	10.369	ppbv	96
8) Dichlorotetrafluoroethane	3.185	85	1894955	9.611	ppbv	96
9) Propene	3.005	41	618902	9.083	ppbv	99
10) Heptane	8.115	43	1620540	10.194	ppbv	99
11) Trichlorofluoromethane	3.947	101	1893931	9.699	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.481	101	1380856	10.693	ppbv	99
13) Ethanol	3.600	45	46005m	12.380	ppbv	
14) Bromoethene	3.735	108	575924	9.920	ppbv	99
15) Acetone	3.841	43	1376361	10.758	ppbv	97
16) 1,3-Butadiene	3.324	39	740417	10.766	ppbv	96
17) tert-Butyl alcohol	4.275	59	1213434	12.228	ppbv	98
18) 1,1-Dichloroethene	4.285	96	615333	10.622	ppbv	86
19) Isopropyl Alcohol	3.954	45	701110	11.684	ppbv #	98
20) Methylene Chloride	4.340	84	518786	9.622	ppbv	88
21) Allyl Chloride	4.407	41	975533	11.303	ppbv	100
22) trans-1,2-Dichloroethene	4.880	96	622859	11.175	ppbv	91
23) Vinyl Acetate	5.066	43	985397	9.309	ppbv	98
24) 1,1-Dichloroethane	5.009	63	1257505	8.670	ppbv	99
25) Ethyl Acetate	5.671	43	2919425	10.124	ppbv	100
26) Hexane	5.684	57	1226529	9.679	ppbv	96
27) Carbon Disulfide	4.546	76	1524468	11.607	ppbv	99
28) Methyl tert-Butyl Ether	5.028	73	1144101	8.178	ppbv	98
29) Chloroform	5.745	83	1992823	9.346	ppbv	97
30) Cyclohexane	7.124	84	1068025	10.033	ppbv	97
31) cis-1,2-Dichloroethene	5.542	61	1211599	9.377	ppbv	96
32) 1,1,1-Trichloroethane	6.504	97	2020000	9.681	ppbv	99
34) 2-Butanone	5.234	43	1733966	9.173	ppbv	99
35) Carbon Tetrachloride	7.012	117	2120749	8.351	ppbv	100
36) Benzene	6.886	78	2560354	9.064	ppbv	99
37) 1,2-Dichloroethane	6.301	62	1534961	8.257	ppbv	97
38) Trichloroethene	7.825	130	1327465	10.231	ppbv	95
39) 1,2-Dichloropropane	7.607	63	972581	8.656	ppbv	96
40) 1,4-Dioxane	7.819	88	357687	9.670	ppbv #	1
41) Tetrahydrofuran	6.041	42	992355	8.729	ppbv	100
42) Bromodichloromethane	7.787	83	2146194	8.319	ppbv	100
43) Methyl Methacrylate	8.005	69	1040400	9.456	ppbv	98
44) 2,2,4-Trimethylpentane	7.864	57	4320409	8.743	ppbv	98
45) t-1,3-Dichloropropene	9.269	75	1032892	9.014	ppbv	96

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.693	75	1326770	8.765	ppbv	95
47) 1,1,2-Trichloroethane	9.468	97	1071565	9.142	ppbv	97
48) Dibromochloromethane	10.298	129	1910143	9.126	ppbv	99
49) Bromoform	13.034	173	1568868	8.995	ppbv	98
50) 4-Methyl-2-Pentanone	8.732	43	2659200	9.398	ppbv	100
51) 2-Hexanone	10.124	43	2080706	9.451	ppbv #	96
52) Tetrachloroethene	11.217	164	989724	8.974	ppbv	98
53) Toluene	9.799	91	3119680	9.591	ppbv	99
54) 1,2-Dibromoethane	10.600	107	1460926	9.275	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.118	131	1396620	9.321	ppbv	95
57) Chlorobenzene	12.137	112	2348294	9.856	ppbv	93
58) Ethyl Benzene	12.703	91	4192476	9.611	ppbv	99
59) m/p-Xylene	12.986	91	7131933m	18.567	ppbv	
60) o-Xylene	13.683	91	3449395	9.557	ppbv	99
61) Styrene	13.516	104	2044646	10.578	ppbv	95
62) Isopropylbenzene	14.658	105	5111377	9.528	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.664	83	1706926	8.425	ppbv	99
64) n-propylbenzene	15.548	120	1325977	10.055	ppbv	92
65) tert-Butylbenzene	16.735	119	4642744	9.464	ppbv	97
66) Benzyl Chloride	16.976	91	458151	7.183	ppbv	99
67) sec-Butylbenzene	17.281	105	6413743	9.582	ppbv	99
69) p-Isopropyltoluene	17.641	119	5496661	9.734	ppbv	98
70) n-Butylbenzene	18.539	91	5420524	9.352	ppbv	99
71) 2-Chlorotoluene	15.442	91	3707841	9.063	ppbv	96
72) 4-Ethyltoluene	15.828	105	4097109	9.685	ppbv	99
73) 1,3,5-Trimethylbenzene	15.982	105	3760839	9.857	ppbv	99
74) 1,2,4-Trimethylbenzene	16.751	105	4078419	9.578	ppbv	94
75) 1,3-Dichlorobenzene	16.986	146	2366037	9.817	ppbv	99
76) 1,4-Dichlorobenzene	17.124	146	2272997	9.453	ppbv	99
77) 1,2-Dichlorobenzene	17.802	146	2333634	9.607	ppbv	99
78) Hexachloro-1,3-Butadiene	23.361	225	1743494	7.849	ppbv	99
79) Naphthalene	22.178	128	3463867	10.568	ppbv	98
80) Naphthalene,2-methyl-	24.960	142	1095811	8.998	ppbv	92
81) 1,2,4-Trichlorobenzene	21.908	180	1984801	9.558	ppbv #	100

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

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