

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022422\
 Data File : VL038442.D
 Acq On : 25 Feb 2022 10:07
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 02/28/2022
 Supervised By : Mahesh Dadoda 02/28/2022

Quant Time: Feb 25 11:09:07 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL022222AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Feb 22 19:45:51 2022

QLast Update : Tue Feb 22 19:45:51 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.671	49	876085	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	7.176	114	2054646	10.000	ppbv	0.02
55) Chlorobenzene-d5	12.085	117	2038539m	10.000	ppbv	0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.413 95 1626884 9.645 ppbv 0.03
 Spiked Amount 10.000 Range 65 - 135 Recovery = 96.500%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.057	85	1257583	9.063	ppbv	95
3) Chlorodifluoromethane	2.996	51	1558362	10.073	ppbv	100
4) Chloromethane	3.147	50	529288	9.847	ppbv	98
5) Vinyl Chloride	3.266	62	547107	9.736	ppbv	97
6) Bromomethane	3.481	94	293845	9.914	ppbv	96
7) Chloroethane	3.565	64	193695	10.732	ppbv	96
8) Dichlorotetrafluoroethane	3.195	85	1346948	10.435	ppbv	97
9) Propene	3.018	41	504888	9.885	ppbv	100
10) Heptane	8.124	43	1335537	10.741	ppbv	100
11) Trichlorofluoromethane	3.957	101	1396233	10.510	ppbv	97
12) 1,1,2-Trichlorotrifluo...	4.491	101	1012050	10.391	ppbv	100
13) Ethanol	3.629	45	47491m	9.316	ppbv	
14) Bromoethene	3.745	108	406338	10.472	ppbv	98
15) Acetone	3.857	43	671139	9.008	ppbv	100
16) 1,3-Butadiene	3.333	39	528847	10.627	ppbv	97
17) tert-Butyl alcohol	4.288	59	858159	11.545	ppbv	99
18) 1,1-Dichloroethene	4.295	96	445945	10.428	ppbv	97
19) Isopropyl Alcohol	3.973	45	433993	10.060	ppbv	99
20) Methylene Chloride	4.349	84	361174	9.784	ppbv	94
21) Allyl Chloride	4.417	41	624931	9.931	ppbv	97
22) trans-1,2-Dichloroethene	4.890	96	443899	10.288	ppbv	98
23) Vinyl Acetate	5.076	43	1036123	10.494	ppbv	100
24) 1,1-Dichloroethane	5.012	63	932507	10.505	ppbv	100
25) Ethyl Acetate	5.680	43	2058004	10.282	ppbv	99
26) Hexane	5.690	57	940893	10.380	ppbv	98
27) Carbon Disulfide	4.555	76	1112913	11.038	ppbv	99
28) Methyl tert-Butyl Ether	5.037	73	942464	10.208	ppbv	99
29) Chloroform	5.758	83	1541901	10.422	ppbv	100
30) Cyclohexane	7.131	84	779333	10.513	ppbv	99
31) cis-1,2-Dichloroethene	5.552	61	912265	10.388	ppbv	99
32) 1,1,1-Trichloroethane	6.513	97	1527760	10.269	ppbv	100
34) 2-Butanone	5.246	43	713660	11.044	ppbv	98
35) Carbon Tetrachloride	7.021	117	1586277	10.979	ppbv	98
36) Benzene	6.893	78	1922257	10.627	ppbv	99
37) 1,2-Dichloroethane	6.311	62	1153391	11.035	ppbv	100
38) Trichloroethene	7.838	130	691749	10.499	ppbv	96
39) 1,2-Dichloropropane	7.616	63	778080	10.800	ppbv	97
40) 1,4-Dioxane	7.841	88	138608m	8.111	ppbv	
41) Tetrahydrofuran	6.057	42	473244	10.839	ppbv	99
42) Bromodichloromethane	7.793	83	1699449	11.260	ppbv	98
43) Methyl Methacrylate	8.015	69	722747	11.494	ppbv	99
44) 2,2,4-Trimethylpentane	7.870	57	3343788	10.755	ppbv	99
45) t-1,3-Dichloropropene	9.278	75	548012	10.905	ppbv	98

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.703	75	687082	10.432	ppbv	98
47) 1,1,2-Trichloroethane	9.475	97	781466	10.902	ppbv	99
48) Dibromochloromethane	10.304	129	1322362	11.283	ppbv	98
49) Bromoform	13.040	173	1007180	11.642	ppbv	98
50) 4-Methyl-2-Pentanone	8.741	43	1360539	11.908	ppbv	99
51) 2-Hexanone	10.137	43	605177	11.831	ppbv #	99
52) Tetrachloroethene	11.224	164	608428	10.133	ppbv	97
53) Toluene	9.806	91	2174753	11.074	ppbv	100
54) 1,2-Dibromoethane	10.610	107	1140708	11.305	ppbv	96
56) 1,1,1,2-Tetrachloroethane	12.124	131	894569	10.528	ppbv	99
57) Chlorobenzene	12.146	112	1553315	9.876	ppbv	99
58) Ethyl Benzene	12.709	91	2945351	10.566	ppbv	99
59) m/p-Xylene	12.995	91	5126534m	21.414	ppbv	
60) o-Xylene	13.693	91	2408481	10.642	ppbv	100
61) Styrene	13.523	104	1190384	11.404	ppbv	99
62) Isopropylbenzene	14.664	105	3149959	10.370	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.677	83	1787317	9.720	ppbv	100
64) n-propylbenzene	15.561	120	807157	10.733	ppbv	90
65) tert-Butylbenzene	16.744	119	2803580	10.656	ppbv	100
66) Benzyl Chloride	16.985	91	137542	9.675	ppbv	96
67) sec-Butylbenzene	17.294	105	3993386	10.713	ppbv	99
69) p-Isopropyltoluene	17.651	119	3266032	11.154	ppbv	99
70) n-Butylbenzene	18.545	91	3515922	11.604	ppbv	100
71) 2-Chlorotoluene	15.452	91	2430083	10.404	ppbv	99
72) 4-Ethyltoluene	15.838	105	2813195	11.282	ppbv	99
73) 1,3,5-Trimethylbenzene	15.995	105	2493094	11.010	ppbv	97
74) 1,2,4-Trimethylbenzene	16.764	105	2641858	11.050	ppbv	95
75) 1,3-Dichlorobenzene	16.995	146	1449486	10.825	ppbv	100
76) 1,4-Dichlorobenzene	17.140	146	1378590	10.440	ppbv	99
77) 1,2-Dichlorobenzene	17.815	146	1368988	10.621	ppbv	99
78) Hexachloro-1,3-Butadiene	23.371	225	1015420	10.330	ppbv	99
79) Naphthalene	22.191	128	1875861	14.481	ppbv	99
80) Naphthalene,2-methyl-	24.972	142	380175	15.018	ppbv	96
81) 1,2,4-Trichlorobenzene	21.921	180	1034831	13.213	ppbv	99

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

