

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031722\
 Data File : VL038624.D
 Acq On : 17 Mar 2022 11:56
 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 03/19/2022
 Supervised By : Mahesh Dadoda 03/21/2022

Quant Time: Mar 18 03:30:25 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030822AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Mar 08 21:18:44 2022

QLast Update : Tue Mar 08 21:18:44 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.664	49	905321	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.172	114	2389934	10.000	ppbv	0.00
55) Chlorobenzene-d5	12.079	117	2255554m	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.407 95 1651266 9.629 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 96.300%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.050	85	1194473	8.735	ppbv	100
3) Chlorodifluoromethane	2.992	51	1507929	9.446	ppbv	100
4) Chloromethane	3.144	50	594779	10.051	ppbv	98
5) Vinyl Chloride	3.259	62	585329	9.855	ppbv	99
6) Bromomethane	3.478	94	320714	10.060	ppbv	96
7) Chloroethane	3.558	64	198648	10.329	ppbv	97
8) Dichlorotetrafluoroethane	3.192	85	1339835	10.108	ppbv	100
9) Propene	3.015	41	536590	9.526	ppbv	100
10) Heptane	8.118	43	1352461	10.037	ppbv	97
11) Trichlorofluoromethane	3.951	101	1192051	9.943	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.484	101	935144	10.032	ppbv	99
13) Ethanol	3.607	45	54521m	8.426	ppbv	
14) Bromoethene	3.742	108	413063	10.400	ppbv	99
15) Acetone	3.851	43	730542	11.440	ppbv	98
16) 1,3-Butadiene	3.330	39	521917	10.171	ppbv	97
17) tert-Butyl alcohol	4.285	59	707978	10.204	ppbv	99
18) 1,1-Dichloroethene	4.288	96	423089	10.142	ppbv	97
19) Isopropyl Alcohol	3.964	45	414340	9.717	ppbv #	97
20) Methylene Chloride	4.343	84	346164	9.008	ppbv	98
21) Allyl Chloride	4.410	41	618136	10.043	ppbv	99
22) trans-1,2-Dichloroethene	4.883	96	453240	10.364	ppbv	98
23) Vinyl Acetate	5.070	43	974042	10.641	ppbv	99
24) 1,1-Dichloroethane	5.008	63	820421	9.855	ppbv	99
25) Ethyl Acetate	5.674	43	2139753	9.950	ppbv	100
26) Hexane	5.687	57	1013224	10.032	ppbv	98
27) Carbon Disulfide	4.552	76	1093051	10.867	ppbv	98
28) Methyl tert-Butyl Ether	5.031	73	821899	9.999	ppbv	99
29) Chloroform	5.751	83	1571344	9.998	ppbv	100
30) Cyclohexane	7.127	84	867463	9.932	ppbv	98
31) cis-1,2-Dichloroethene	5.549	61	965970	9.999	ppbv	99
32) 1,1,1-Trichloroethane	6.510	97	1503189	9.862	ppbv	99
34) 2-Butanone	5.240	43	652977	10.541	ppbv	98
35) Carbon Tetrachloride	7.015	117	1582803	9.710	ppbv	97
36) Benzene	6.889	78	2164866	10.038	ppbv	99
37) 1,2-Dichloroethane	6.304	62	1048015	10.169	ppbv	99
38) Trichloroethene	7.832	130	816201	9.474	ppbv	99
39) 1,2-Dichloropropane	7.610	63	838534	10.110	ppbv	99
40) 1,4-Dioxane	7.832	88	192110	9.255	ppbv	84
41) Tetrahydrofuran	6.047	42	503375	9.932	ppbv	98
42) Bromodichloromethane	7.787	83	1667592	10.204	ppbv	100
43) Methyl Methacrylate	8.012	69	779522	10.530	ppbv	96
44) 2,2,4-Trimethylpentane	7.867	57	3533329	9.690	ppbv	99
45) t-1,3-Dichloropropene	9.272	75	629049	11.791	ppbv	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.696	75	837491	11.480	ppbv	95
47) 1,1,2-Trichloroethane	9.471	97	883665	10.454	ppbv	98
48) Dibromochloromethane	10.298	129	1495681	11.143	ppbv	99
49) Bromoform	13.034	173	1233804	12.001	ppbv	99
50) 4-Methyl-2-Pentanone	8.738	43	1304199	10.270	ppbv	99
51) 2-Hexanone	10.130	43	554227	10.328	ppbv #	100
52) Tetrachloroethene	11.217	164	765111	9.679	ppbv	97
53) Toluene	9.799	91	2440822	10.602	ppbv	99
54) 1,2-Dibromoethane	10.606	107	1269037	10.506	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.121	131	962670	10.478	ppbv	97
57) Chlorobenzene	12.143	112	1768193	10.268	ppbv	97
58) Ethyl Benzene	12.703	91	3123012	10.694	ppbv	99
59) m/p-Xylene	12.992	91	5189616m	20.757	ppbv	
60) o-Xylene	13.687	91	2450630	10.381	ppbv	98
61) Styrene	13.519	104	1348272	11.590	ppbv	100
62) Isopropylbenzene	14.661	105	3428469	10.525	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.671	83	1895143	9.501	ppbv	100
64) n-propylbenzene	15.555	120	934279	11.254	ppbv	95
65) tert-Butylbenzene	16.738	119	3018523	10.362	ppbv	99
66) Benzyl Chloride	16.982	91	220355	12.766	ppbv	99
67) sec-Butylbenzene	17.288	105	4297701	10.380	ppbv	100
69) p-Isopropyltoluene	17.645	119	3529927	10.292	ppbv	99
70) n-Butylbenzene	18.542	91	3618673	9.906	ppbv	100
71) 2-Chlorotoluene	15.445	91	2572554	10.636	ppbv	98
72) 4-Ethyltoluene	15.831	105	2958173	10.908	ppbv	99
73) 1,3,5-Trimethylbenzene	15.992	105	2610995	10.372	ppbv	98
74) 1,2,4-Trimethylbenzene	16.757	105	2744197	10.204	ppbv	96
75) 1,3-Dichlorobenzene	16.989	146	1742247	10.268	ppbv	100
76) 1,4-Dichlorobenzene	17.133	146	1680186	9.997	ppbv	99
77) 1,2-Dichlorobenzene	17.809	146	1676833	9.768	ppbv	99
78) Hexachloro-1,3-Butadiene	23.365	225	1336836	7.984	ppbv	100
79) Naphthalene	22.185	128	2554907	10.561	ppbv	99
80) Naphthalene,2-methyl-	24.966	142	553507	12.962	ppbv	98
81) 1,2,4-Trichlorobenzene	21.918	180	1430082	9.251	ppbv	99

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

