

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL060822\
 Data File : VL039231.D
 Acq On : 8 Jun 2022 12:24
 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 06/09/2022
 Supervised By : Mahesh Dadoda 06/09/2022

Quant Time: Jun 09 06:39:25 2022

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jun 09 06:39:25 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	5.671	49	1352135	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.182	114	3355628	10.000	ppbv	0.00
55) Chlorobenzene-d5	12.092	117	3109415	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.416 95 2622746 10.203 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 102.000%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.057	85	2068551	8.710	ppbv	99
3) Chlorodifluoromethane	2.996	51	1655679	9.624	ppbv	98
4) Chloromethane	3.147	50	814001	9.211	ppbv	98
5) Vinyl Chloride	3.263	62	822953	9.962	ppbv	99
6) Bromomethane	3.478	94	391250	9.627	ppbv	96
7) Chloroethane	3.565	64	286479	9.952	ppbv	98
8) Dichlorotetrafluoroethane	3.195	85	2070041	9.537	ppbv	99
9) Propene	3.018	41	689777	9.195	ppbv	100
10) Heptane	8.127	43	1611337	9.208	ppbv	99
11) Trichlorofluoromethane	3.957	101	1981861	9.219	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.491	101	1318150	9.272	ppbv	97
13) Ethanol	3.613	45	38388m	9.383	ppbv	
14) Bromoethene	3.745	108	632936	9.903	ppbv	98
15) Acetone	3.854	43	1458555	10.355	ppbv	100
16) 1,3-Butadiene	3.336	39	750519	9.912	ppbv	100
17) tert-Butyl alcohol	4.285	59	1274377	11.665	ppbv	99
18) 1,1-Dichloroethene	4.295	96	614223	9.631	ppbv	95
19) Isopropyl Alcohol	3.963	45	693352	10.495	ppbv	99
20) Methylene Chloride	4.353	84	506575	8.535	ppbv	97
21) Allyl Chloride	4.417	41	876660	9.227	ppbv	97
22) trans-1,2-Dichloroethene	4.893	96	598631	9.756	ppbv	91
23) Vinyl Acetate	5.076	43	1010467	8.671	ppbv	97
24) 1,1-Dichloroethane	5.018	63	1230914	7.709	ppbv	100
25) Ethyl Acetate	5.677	43	3253715	10.249	ppbv	99
26) Hexane	5.693	57	1277732	9.159	ppbv	90
27) Carbon Disulfide	4.558	76	1397282	9.664	ppbv	99
28) Methyl tert-Butyl Ether	5.041	73	1270189	8.247	ppbv	100
29) Chloroform	5.758	83	2162132	9.210	ppbv	98
30) Cyclohexane	7.137	84	1045671	8.922	ppbv	99
31) cis-1,2-Dichloroethene	5.552	61	1337734	9.404	ppbv	99
32) 1,1,1-Trichloroethane	6.520	97	2258550	9.832	ppbv	100
34) 2-Butanone	5.246	43	1784528	9.789	ppbv	100
35) Carbon Tetrachloride	7.024	117	2369875	9.676	ppbv	96
36) Benzene	6.899	78	2511460	9.219	ppbv	98
37) 1,2-Dichloroethane	6.311	62	1740641	9.708	ppbv	99
38) Trichloroethene	7.841	130	1063372	8.498	ppbv	98
39) 1,2-Dichloropropane	7.619	63	1006108	9.285	ppbv	96
40) 1,4-Dioxane	7.835	88	358366	10.046	ppbv #	1
41) Tetrahydrofuran	6.053	42	1010365	9.215	ppbv	99
42) Bromodichloromethane	7.796	83	2382906	9.577	ppbv	98
43) Methyl Methacrylate	8.021	69	1125276	10.604	ppbv	98
44) 2,2,4-Trimethylpentane	7.877	57	4345792	9.119	ppbv	99
45) t-1,3-Dichloropropene	9.282	75	950410	8.600	ppbv	95

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.706	75	1258560	8.621	ppbv	98
47) 1,1,2-Trichloroethane	9.481	97	1072060	9.483	ppbv	97
48) Dibromochloromethane	10.310	129	2002696	9.921	ppbv	99
49) Bromoform	13.043	173	1680978	9.993	ppbv	98
50) 4-Methyl-2-Pentanone	8.741	43	2716056	9.953	ppbv	100
51) 2-Hexanone	10.134	43	2092324	9.854	ppbv #	99
52) Tetrachloroethene	11.230	164	974568	9.162	ppbv	96
53) Toluene	9.809	91	2995226	9.548	ppbv	99
54) 1,2-Dibromoethane	10.613	107	1582549	10.417	ppbv	96
56) 1,1,1,2-Tetrachloroethane	12.130	131	1467512	9.974	ppbv	96
57) Chlorobenzene	12.150	112	2241854	9.582	ppbv	99
58) Ethyl Benzene	12.716	91	4170630	9.738	ppbv	98
59) m/p-Xylene	12.998	91	7204411m	19.101	ppbv	
60) o-Xylene	13.696	91	3472143	9.797	ppbv	99
61) Styrene	13.532	104	1915952	10.095	ppbv	99
62) Isopropylbenzene	14.670	105	5303283	10.068	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.680	83	2316364	11.644	ppbv	99
64) n-propylbenzene	15.564	120	1372090	10.596	ppbv	98
65) tert-Butylbenzene	16.744	119	4824266	10.015	ppbv	99
66) Benzyl Chloride	16.992	91	369018	5.892	ppbv	98
67) sec-Butylbenzene	17.294	105	6770429	10.301	ppbv	99
69) p-Isopropyltoluene	17.651	119	5715724	10.308	ppbv	100
70) n-Butylbenzene	18.551	91	6081145	10.685	ppbv	100
71) 2-Chlorotoluene	15.455	91	4124716	10.268	ppbv	99
72) 4-Ethyltoluene	15.841	105	4209544	10.134	ppbv	99
73) 1,3,5-Trimethylbenzene	15.998	105	3826048	10.212	ppbv	99
74) 1,2,4-Trimethylbenzene	16.764	105	4188623	10.018	ppbv	96
75) 1,3-Dichlorobenzene	16.998	146	2398509	10.135	ppbv	99
76) 1,4-Dichlorobenzene	17.140	146	2325286	9.848	ppbv	99
77) 1,2-Dichlorobenzene	17.815	146	2381308	9.984	ppbv	99
78) Hexachloro-1,3-Butadiene	23.374	225	1980946	9.083	ppbv	98
79) Naphthalene	22.194	128	3562898	11.070	ppbv	99
80) Naphthalene,2-methyl-	24.966	142	941284	7.872	ppbv	95
81) 1,2,4-Trichlorobenzene	21.927	180	2021253	9.913	ppbv #	100

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

