

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL060622\
 Data File : VL039177.D
 Acq On : 6 Jun 2022 8:37
 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 06/07/2022
 Supervised By : Mahesh Dadoda 06/07/2022

Quant Time: Jun 06 16:30:45 2022

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jun 6 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	1262951	10.000	ppbv	-0.01
33) 1,4-Difluorobenzene	7.169	114	3306165	10.000	ppbv	-0.01
55) Chlorobenzene-d5	12.076	117	3078510m	10.000	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.404 95 2556381 10.044 ppbv -0.01
 Spiked Amount 10.000 Range 65 - 135 Recovery = 100.400%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.047	85	1766679	7.964	ppbv	97
3) Chlorodifluoromethane	2.986	51	1591004	9.901	ppbv	97
4) Chloromethane	3.137	50	877670	10.633	ppbv	99
5) Vinyl Chloride	3.256	62	815041	10.563	ppbv	96
6) Bromomethane	3.475	94	392500	10.340	ppbv	94
7) Chloroethane	3.559	64	279795	10.406	ppbv	100
8) Dichlorotetrafluoroethane	3.186	85	1971772	9.726	ppbv	96
9) Propene	3.009	41	750002	10.704	ppbv	99
10) Heptane	8.115	43	1819541	11.131	ppbv	99
11) Trichlorofluoromethane	3.948	101	1884185	9.383	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.481	101	1371799	10.331	ppbv	99
13) Ethanol	3.597	45	41475m	10.854	ppbv	
14) Bromoethene	3.739	108	624208	10.456	ppbv	97
15) Acetone	3.841	43	1346785	10.237	ppbv	99
16) 1,3-Butadiene	3.327	39	746342	10.553	ppbv	100
17) tert-Butyl alcohol	4.279	59	1049553	10.285	ppbv	99
18) 1,1-Dichloroethene	4.285	96	616217	10.345	ppbv	98
19) Isopropyl Alcohol	3.957	45	610300	9.891	ppbv	100
20) Methylene Chloride	4.340	84	480447	8.666	ppbv	94
21) Allyl Chloride	4.407	41	946586	10.666	ppbv	99
22) trans-1,2-Dichloroethene	4.880	96	628586	10.967	ppbv	96
23) Vinyl Acetate	5.066	43	984819	9.048	ppbv	98
24) 1,1-Dichloroethane	5.005	63	1230663	8.252	ppbv	98
25) Ethyl Acetate	5.671	43	3154067	10.637	ppbv	99
26) Hexane	5.681	57	1388098	10.653	ppbv	99
27) Carbon Disulfide	4.546	76	1503825	11.135	ppbv	99
28) Methyl tert-Butyl Ether	5.028	73	1120276	7.788	ppbv	98
29) Chloroform	5.748	83	2255109	10.285	ppbv	97
30) Cyclohexane	7.124	84	1210591	11.059	ppbv	96
31) cis-1,2-Dichloroethene	5.542	61	1408835	10.603	ppbv	97
32) 1,1,1-Trichloroethane	6.504	97	2254600	10.508	ppbv	99
34) 2-Butanone	5.237	43	1823598	10.153	ppbv	98
35) Carbon Tetrachloride	7.012	117	2312361	9.583	ppbv	97
36) Benzene	6.886	78	2935148	10.935	ppbv	98
37) 1,2-Dichloroethane	6.301	62	1705254	9.653	ppbv	97
38) Trichloroethene	7.828	130	1383752	11.224	ppbv	97
39) 1,2-Dichloropropane	7.607	63	1125334	10.540	ppbv	95
40) 1,4-Dioxane	7.819	88	384279m	10.933	ppbv	
41) Tetrahydrofuran	6.041	42	1190226	11.018	ppbv	99
42) Bromodichloromethane	7.783	83	2487519	10.147	ppbv	96
43) Methyl Methacrylate	8.005	69	1209690	11.570	ppbv	95
44) 2,2,4-Trimethylpentane	7.861	57	4818425	10.262	ppbv	99
45) t-1,3-Dichloropropene	9.269	75	1314586	12.073	ppbv	98

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.693	75	1652476	11.488	ppbv	99
47) 1,1,2-Trichloroethane	9.465	97	1207266	10.839	ppbv	98
48) Dibromochloromethane	10.295	129	2100361	10.561	ppbv	99
49) Bromoform	13.028	173	1784059	10.764	ppbv	98
50) 4-Methyl-2-Pentanone	8.729	43	2944263	10.951	ppbv	99
51) 2-Hexanone	10.118	43	2325312	11.115	ppbv	99
52) Tetrachloroethene	11.214	164	1079188	10.298	ppbv	95
53) Toluene	9.799	91	3424579	11.080	ppbv	100
54) 1,2-Dibromoethane	10.600	107	1690698	11.296	ppbv	94
56) 1,1,1,2-Tetrachloroethane	12.114	131	1488024	10.215	ppbv	97
57) Chlorobenzene	12.137	112	2500400	10.795	ppbv	96
58) Ethyl Benzene	12.700	91	4625573	10.908	ppbv	99
59) m/p-Xylene	12.986	91	7738853m	20.724	ppbv	
60) o-Xylene	13.680	91	3711856	10.578	ppbv	100
61) Styrene	13.516	104	2216041	11.794	ppbv	96
62) Isopropylbenzene	14.655	105	5389423	10.334	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.664	83	1958337	9.943	ppbv	100
64) n-propylbenzene	15.552	120	1402949	10.943	ppbv	96
65) tert-Butylbenzene	16.732	119	4781875	10.027	ppbv	98
66) Benzyl Chloride	16.976	91	756372	12.198	ppbv	99
67) sec-Butylbenzene	17.281	105	6741984	10.361	ppbv	100
69) p-Isopropyltoluene	17.642	119	5603320	10.207	ppbv	99
70) n-Butylbenzene	18.535	91	5910195	10.488	ppbv	100
71) 2-Chlorotoluene	15.439	91	4137897	10.404	ppbv	100
72) 4-Ethyltoluene	15.825	105	4454101	10.831	ppbv	99
73) 1,3,5-Trimethylbenzene	15.986	105	3960806	10.678	ppbv	99
74) 1,2,4-Trimethylbenzene	16.748	105	4223612	10.204	ppbv	97
75) 1,3-Dichlorobenzene	16.986	146	2493535	10.643	ppbv	99
76) 1,4-Dichlorobenzene	17.127	146	2469709	10.565	ppbv	98
77) 1,2-Dichlorobenzene	17.806	146	2431180	10.296	ppbv	99
78) Hexachloro-1,3-Butadiene	23.362	225	1991657	9.223	ppbv	98
79) Naphthalene	22.178	128	3965251	12.444	ppbv	99
80) Naphthalene,2-methyl-	24.956	142	1598840	13.505	ppbv	98
81) 1,2,4-Trichlorobenzene	21.908	180	2227386	11.034	ppbv #	100

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

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