

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL051722\
 Data File : VL039081.D
 Acq On : 18 May 2022 9:19
 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 05/19/2022
 Supervised By : Mahesh Dadoda 05/20/2022

Quant Time: May 19 01:28:50 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050522AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu May 19 01:28:50 2022

QLast Update : Thu May 05 10:12:15 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.661	49	841475	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.169	114	1966356	10.000	ppbv	0.00
55) Chlorobenzene-d5	12.072	117	1908091m	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.404 95 1561517 10.334 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 103.300%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.050	85	1425710	10.813	ppbv	98
3) Chlorodifluoromethane	2.989	51	1160468	11.114	ppbv	98
4) Chloromethane	3.140	50	565795	10.820	ppbv	95
5) Vinyl Chloride	3.259	62	584368	12.238	ppbv	99
6) Bromomethane	3.478	94	287354	12.739	ppbv	94
7) Chloroethane	3.555	64	201527	12.610	ppbv	95
8) Dichlorotetrafluoroethane	3.189	85	1470838	12.309	ppbv	98
9) Propene	3.012	41	453749	9.951	ppbv	98
10) Heptane	8.114	43	1178960	10.539	ppbv	99
11) Trichlorofluoromethane	3.951	101	1413888	12.499	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.484	101	996306	12.785	ppbv	99
13) Ethanol	3.597	45	25839	8.007	ppbv	82
14) Bromoethene	3.738	108	423874	13.191	ppbv	99
15) Acetone	3.845	43	997666	12.569	ppbv	99
16) 1,3-Butadiene	3.327	39	545408	11.959	ppbv	100
17) tert-Butyl alcohol	4.279	59	852626	13.976	ppbv	99
18) 1,1-Dichloroethene	4.285	96	443173	13.214	ppbv	99
19) Isopropyl Alcohol	3.957	45	520274	13.786	ppbv #	96
20) Methylene Chloride	4.343	84	363786	12.160	ppbv	96
21) Allyl Chloride	4.407	41	675833	12.495	ppbv	97
22) trans-1,2-Dichloroethene	4.880	96	451427	12.461	ppbv	97
23) Vinyl Acetate	5.066	43	836883	13.325	ppbv #	97
24) 1,1-Dichloroethane	5.005	63	916226	12.669	ppbv	99
25) Ethyl Acetate	5.668	43	2164952	11.395	ppbv	99
26) Hexane	5.680	57	917834	10.873	ppbv	100
27) Carbon Disulfide	4.549	76	1079866	13.467	ppbv	99
28) Methyl tert-Butyl Ether	5.028	73	808261	12.585	ppbv	99
29) Chloroform	5.748	83	1567174	11.475	ppbv	97
30) Cyclohexane	7.121	84	727600	10.295	ppbv	99
31) cis-1,2-Dichloroethene	5.542	61	988920	11.499	ppbv	98
32) 1,1,1-Trichloroethane	6.504	97	1624165	11.894	ppbv	100
34) 2-Butanone	5.237	43	1246012	12.421	ppbv	98
35) Carbon Tetrachloride	7.008	117	1674670	12.926	ppbv	99
36) Benzene	6.883	78	1808643	10.748	ppbv	98
37) 1,2-Dichloroethane	6.301	62	1311360	12.595	ppbv	97
38) Trichloroethene	7.828	130	818856	10.946	ppbv	98
39) 1,2-Dichloropropane	7.603	63	723474	11.049	ppbv	92
40) 1,4-Dioxane	7.819	88	247817	10.538	ppbv #	1
41) Tetrahydrofuran	6.041	42	736367	10.922	ppbv	98
42) Bromodichloromethane	7.780	83	1715402	12.051	ppbv	98
43) Methyl Methacrylate	8.002	69	764444	11.190	ppbv	97
44) 2,2,4-Trimethylpentane	7.860	57	3168173	10.729	ppbv	99
45) t-1,3-Dichloropropene	9.266	75	887254	13.417	ppbv	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.693	75	1085759	12.381	ppbv	97
47) 1,1,2-Trichloroethane	9.462	97	736828	10.820	ppbv	98
48) Dibromochloromethane	10.291	129	1360171	12.272	ppbv	99
49) Bromoform	13.031	173	1039462	12.297	ppbv	99
50) 4-Methyl-2-Pentanone	8.725	43	1965177	11.171	ppbv	99
51) 2-Hexanone	10.121	43	1549494	12.069	ppbv #	98
52) Tetrachloroethene	11.211	164	629611	10.470	ppbv	98
53) Toluene	9.796	91	2081355	11.035	ppbv	99
54) 1,2-Dibromoethane	10.600	107	1059756	11.431	ppbv	96
56) 1,1,1,2-Tetrachloroethane	12.114	131	923695	11.033	ppbv	98
57) Chlorobenzene	12.134	112	1495003	10.452	ppbv	97
58) Ethyl Benzene	12.699	91	2846500	10.366	ppbv	96
59) m/p-Xylene	12.982	91	4965785m	21.183	ppbv	
60) o-Xylene	13.680	91	2360541	10.699	ppbv	98
61) Styrene	13.516	104	1298196	11.021	ppbv	99
62) Isopropylbenzene	14.654	105	3359268	10.411	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.664	83	1310013	10.083	ppbv	100
64) n-propylbenzene	15.545	120	847824	10.869	ppbv	100
65) tert-Butylbenzene	16.731	119	3018865	10.678	ppbv	98
66) Benzyl Chloride	16.976	91	494054	13.369	ppbv	99
67) sec-Butylbenzene	17.281	105	4321377	10.699	ppbv	99
69) p-Isopropyltoluene	17.638	119	3594485	11.016	ppbv	100
70) n-Butylbenzene	18.535	91	4004790	11.552	ppbv	99
71) 2-Chlorotoluene	15.439	91	2614264	10.510	ppbv	99
72) 4-Ethyltoluene	15.825	105	2717603	10.809	ppbv	100
73) 1,3,5-Trimethylbenzene	15.982	105	2523304	11.148	ppbv	99
74) 1,2,4-Trimethylbenzene	16.748	105	2771556	11.183	ppbv	99
75) 1,3-Dichlorobenzene	16.979	146	1522967	11.216	ppbv	99
76) 1,4-Dichlorobenzene	17.124	146	1490269	11.156	ppbv	98
77) 1,2-Dichlorobenzene	17.802	146	1511009	11.251	ppbv	100
78) Hexachloro-1,3-Butadiene	23.358	225	1454543	11.785	ppbv	100
79) Naphthalene	22.178	128	2994720	14.876	ppbv	99
80) Naphthalene,2-methyl-	24.956	142	834181	13.698	ppbv	95
81) 1,2,4-Trichlorobenzene	21.911	180	1579715m	13.391	ppbv	

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

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