

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101722\
 Data File : VL039718.D
 Acq On : 17 Oct 2022 13:20
 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 10/19/2022
 Supervised By :Mahesh Dadoda 10/19/2022

Quant Time: Oct 18 05:18:31 2022

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091922AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2

QLast Update : Mon Sep 19 14:26:28 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.224	49	1088407	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	6.687	114	2866756	10.000	ppbv	0.03
55) Chlorobenzene-d5	11.491	117	2795673m	10.000	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.799 95 1967689 9.428 ppbv 0.02
 Spiked Amount 10.000 Range 65 - 135 Recovery = 94.300%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.768	85	959030	7.600	ppbv	98
3) Chlorodifluoromethane	2.713	51	1152637	8.924	ppbv	97
4) Chloromethane	2.851	50	714458	9.166	ppbv	97
5) Vinyl Chloride	2.957	62	583983	8.989	ppbv	100
6) Bromomethane	3.160	94	235788	9.841	ppbv	94
7) Chloroethane	3.234	64	218027	9.176	ppbv	99
8) Dichlorotetrafluoroethane	2.896	85	1356084	8.960	ppbv	95
9) Propene	2.732	41	524197	8.886	ppbv	100
10) Heptane	7.610	43	1336256	9.707	ppbv	99
11) Trichlorofluoromethane	3.600	101	1459532	9.340	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.105	101	1125169	9.533	ppbv	98
13) Ethanol	3.282	45	40398m	8.988	ppbv	
14) Bromoethene	3.401	108	457570	9.711	ppbv	100
15) Acetone	3.504	43	1084177	8.952	ppbv	98
16) 1,3-Butadiene	3.022	39	567652	9.239	ppbv	96
17) tert-Butyl alcohol	3.915	59	978457	9.002	ppbv	98
18) 1,1-Dichloroethene	3.915	96	493244	9.498	ppbv	95
19) Isopropyl Alcohol	3.613	45	565306m	9.157	ppbv	
20) Methylene Chloride	3.970	84	412463	7.366	ppbv	96
21) Allyl Chloride	4.034	41	805501	9.767	ppbv	97
22) trans-1,2-Dichloroethene	4.481	96	518541	10.094	ppbv	98
23) Vinyl Acetate	4.661	43	516841m	9.440	ppbv	
24) 1,1-Dichloroethane	4.600	63	1066184	9.779	ppbv	98
25) Ethyl Acetate	5.240	43	2408561	9.120	ppbv	99
26) Hexane	5.247	57	986238	8.800	ppbv	97
27) Carbon Disulfide	4.160	76	1254181	10.649	ppbv	99
28) Methyl tert-Butyl Ether	4.623	73	888815	9.440	ppbv	97
29) Chloroform	5.308	83	1525673	9.430	ppbv	99
30) Cyclohexane	6.632	84	821152	9.462	ppbv	92
31) cis-1,2-Dichloroethene	5.111	61	953536	9.407	ppbv	98
32) 1,1,1-Trichloroethane	6.037	97	1448272	9.888	ppbv	98
34) 2-Butanone	4.822	43	1228230	8.723	ppbv	98
35) Carbon Tetrachloride	6.526	117	1535342	10.089	ppbv	98
36) Benzene	6.401	78	2080880	9.494	ppbv	98
37) 1,2-Dichloroethane	5.838	62	1140816	9.564	ppbv	99
38) Trichloroethene	7.324	130	1209393	10.210	ppbv	96
39) 1,2-Dichloropropane	7.105	63	781456	9.234	ppbv	97
40) 1,4-Dioxane	7.320	88	299502	8.667	ppbv	85
41) Tetrahydrofuran	5.591	42	837662	9.697	ppbv	96
42) Bromodichloromethane	7.279	83	1618728	9.756	ppbv	100
43) Methyl Methacrylate	7.504	69	816879	10.224	ppbv	99
44) 2,2,4-Trimethylpentane	7.356	57	3530409	9.345	ppbv	99
45) t-1,3-Dichloropropene	8.738	75	759946	11.256	ppbv	96

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.172	75	1056419	10.992	ppbv	99
47) 1,1,2-Trichloroethane	8.928	97	852291	9.213	ppbv	97
48) Dibromochloromethane	9.738	129	1400653	10.055	ppbv	100
49) Bromoform	12.433	173	1128804	9.797	ppbv	100
50) 4-Methyl-2-Pentanone	8.214	43	2207811	9.978	ppbv	98
51) 2-Hexanone	9.578	43	1707702	10.426	ppbv #	98
52) Tetrachloroethene	10.645	164	769791	9.206	ppbv	99
53) Toluene	9.250	91	2425128	9.949	ppbv	100
54) 1,2-Dibromoethane	10.037	107	971702	9.819	ppbv	98
56) 1,1,1,2-Tetrachloroethane	11.536	131	1022637	9.052	ppbv	99
57) Chlorobenzene	11.558	112	1816816	8.837	ppbv	98
58) Ethyl Benzene	12.114	91	3153814	9.784	ppbv	97
59) m/p-Xylene	12.401	91	5306791m	18.499	ppbv	
60) o-Xylene	13.085	91	2548013	9.301	ppbv	99
61) Styrene	12.925	104	1500075	10.168	ppbv	98
62) Isopropylbenzene	14.056	105	3675660	8.917	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.073	83	940934	8.611	ppbv	99
64) n-propylbenzene	14.941	120	946047	8.962	ppbv	95
65) tert-Butylbenzene	16.117	119	3230225	8.870	ppbv	99
66) Benzyl Chloride	16.355	91	238060	8.210	ppbv	99
67) sec-Butylbenzene	16.664	105	4475912	8.762	ppbv	99
69) p-Isopropyltoluene	17.021	119	3757349	8.952	ppbv	99
70) n-Butylbenzene	17.912	91	3762150	9.143	ppbv	99
71) 2-Chlorotoluene	14.828	91	2654445	8.919	ppbv	100
72) 4-Ethyltoluene	15.220	105	2911850	9.311	ppbv	99
73) 1,3,5-Trimethylbenzene	15.378	105	2633579	9.203	ppbv	99
74) 1,2,4-Trimethylbenzene	16.134	105	2835413	8.839	ppbv	97
75) 1,3-Dichlorobenzene	16.355	146	1696470	8.864	ppbv	100
76) 1,4-Dichlorobenzene	16.500	146	1657303	8.656	ppbv	99
77) 1,2-Dichlorobenzene	17.169	146	1628177	8.723	ppbv	99
78) Hexachloro-1,3-Butadiene	22.661	225	1290487	9.049	ppbv	99
79) Naphthalene	21.407	128	2749066m	12.986	ppbv	
80) Naphthalene,2-methyl-	24.397	142	998297	12.542	ppbv	98
81) 1,2,4-Trichlorobenzene	21.166	180	1542671	11.095	ppbv	100

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

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ALS Vial : 1 Sample Multiplier: 1

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