

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022823\
 Data File : VL040241.D
 Acq On : 28 Feb 2023 8:59
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 03/01/2023
 Supervised By : Mahesh Dadoda 03/01/2023

Quant Time: Mar 01 04:21:52 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL021523AIR.M

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

QLast Update : Wed Mar 01 04:21:39 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.201	49	920918	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.664	114	2412111	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.487	117	2240681	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.796 95 1898148 10.302 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 103.000%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.726	85	1273130	7.418	ppbv	99
3) Chlorodifluoromethane	2.671	51	1068135	9.709	ppbv	98
4) Chloromethane	2.812	50	671270	9.714	ppbv	98
5) Vinyl Chloride	2.918	62	588996	10.607	ppbv	99
6) Bromomethane	3.118	94	197210	9.840	ppbv	98
7) Chloroethane	3.198	64	224063	10.175	ppbv	99
8) Dichlorotetrafluoroethane	2.854	85	1466336	9.915	ppbv	99
9) Propene	2.690	41	431711	9.627	ppbv	99
10) Heptane	7.594	43	1114437	10.441	ppbv	99
11) Trichlorofluoromethane	3.565	101	1597670	10.374	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.070	101	1190021	10.475	ppbv	98
13) Ethanol	3.246	45	32616m	7.901	ppbv	
14) Bromoethene	3.365	108	454447	10.431	ppbv	98
15) Acetone	3.468	43	1042639	9.404	ppbv	100
16) 1,3-Butadiene	2.983	39	531108	10.489	ppbv	100
17) tert-Butyl alcohol	3.880	59	1103436	10.913	ppbv	99
18) 1,1-Dichloroethene	3.883	96	517681	10.487	ppbv	96
19) Isopropyl Alcohol	3.574	45	509289	9.663	ppbv #	97
20) Methylene Chloride	3.935	84	443447	7.683	ppbv	97
21) Allyl Chloride	3.999	41	719589	10.582	ppbv	97
22) trans-1,2-Dichloroethene	4.452	96	521575	10.204	ppbv	96
23) Vinyl Acetate	4.632	43	340700	10.125	ppbv	98
24) 1,1-Dichloroethane	4.571	63	1078062	10.250	ppbv	99
25) Ethyl Acetate	5.211	43	1972138	9.568	ppbv	99
26) Hexane	5.224	57	837795	9.469	ppbv	98
27) Carbon Disulfide	4.127	76	1314157	11.705	ppbv	98
28) Methyl tert-Butyl Ether	4.590	73	973452	10.268	ppbv	98
29) Chloroform	5.282	83	1491880	9.820	ppbv	100
30) Cyclohexane	6.616	84	720685	10.373	ppbv	99
31) cis-1,2-Dichloroethene	5.086	61	825067	9.814	ppbv	98
32) 1,1,1-Trichloroethane	6.015	97	1507275	10.559	ppbv	99
34) 2-Butanone	4.793	43	1176164	9.885	ppbv	100
35) Carbon Tetrachloride	6.507	117	1594053	11.179	ppbv	99
36) Benzene	6.385	78	1818599	9.688	ppbv	99
37) 1,2-Dichloroethane	5.819	62	1178363	10.037	ppbv	99
38) Trichloroethene	7.307	130	1098346	10.618	ppbv	99
39) 1,2-Dichloropropane	7.086	63	711266	9.740	ppbv	98
40) 1,4-Dioxane	7.301	88	278026	9.518	ppbv	92
41) Tetrahydrofuran	5.568	42	681543	9.884	ppbv	99
42) Bromodichloromethane	7.262	83	1682675	10.384	ppbv	100
43) Methyl Methacrylate	7.487	69	732344	10.544	ppbv	99
44) 2,2,4-Trimethylpentane	7.343	57	3085832	9.848	ppbv	99
45) t-1,3-Dichloropropene	8.729	75	702987	11.410	ppbv	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.159	75	950865	11.078	ppbv	99
47) 1,1,2-Trichloroethane	8.918	97	763429	9.666	ppbv	97
48) Dibromochloromethane	9.729	129	1343206	10.633	ppbv	100
49) Bromoform	12.429	173	1054086	10.690	ppbv	99
50) 4-Methyl-2-Pentanone	8.195	43	1938122	10.490	ppbv	99
51) 2-Hexanone	9.568	43	1495650	10.526	ppbv #	98
52) Tetrachloroethene	10.635	164	605872	10.336	ppbv	98
53) Toluene	9.240	91	2083702	10.364	ppbv	98
54) 1,2-Dibromoethane	10.028	107	865514	10.532	ppbv	98
56) 1,1,1,2-Tetrachloroethane	11.529	131	971923	10.333	ppbv	99
57) Chlorobenzene	11.548	112	1607696	9.821	ppbv	99
58) Ethyl Benzene	12.111	91	2858294	10.499	ppbv	98
59) m/p-Xylene	12.397	91	5009232m	20.774	ppbv	
60) o-Xylene	13.082	91	2417079	10.418	ppbv	100
61) Styrene	12.918	104	1348313m	11.069	ppbv	
62) Isopropylbenzene	14.053	105	3377125	10.141	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.072	83	795687	9.517	ppbv	100
64) n-propylbenzene	14.937	120	842535	10.222	ppbv	95
65) tert-Butylbenzene	16.114	119	2941930	10.162	ppbv	98
66) Benzyl Chloride	16.349	91	200516m	10.409	ppbv	
67) sec-Butylbenzene	16.661	105	4193110	10.100	ppbv	99
69) p-Isopropyltoluene	17.018	119	3314944	10.072	ppbv	99
70) n-Butylbenzene	17.908	91	3603754	10.088	ppbv	99
71) 2-Chlorotoluene	14.825	91	2578486	10.123	ppbv	99
72) 4-Ethyltoluene	15.217	105	2703930	10.542	ppbv	99
73) 1,3,5-Trimethylbenzene	15.378	105	2389104	10.011	ppbv	97
74) 1,2,4-Trimethylbenzene	16.130	105	2633365	10.045	ppbv	95
75) 1,3-Dichlorobenzene	16.355	146	1403001	9.780	ppbv	99
76) 1,4-Dichlorobenzene	16.497	146	1364555	9.706	ppbv	99
77) 1,2-Dichlorobenzene	17.166	146	1348711	9.464	ppbv	100
78) Hexachloro-1,3-Butadiene	22.660	225	831359	8.492	ppbv	100
79) Naphthalene	21.410	128	1645589	11.174	ppbv	98
80) Naphthalene,2-methyl-	24.397	142	328879	7.853	ppbv	97
81) 1,2,4-Trichlorobenzene	21.169	180	900603	9.772	ppbv	98

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

