

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL080923\
 Data File : VL040604.D
 Acq On : 9 Aug 2023 13:38
 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 08/10/2023
 Supervised By : Mahesh Dadoda 08/10/2023

Quant Time: Aug 10 01:18:42 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL071023AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 10 2023

QLast Update : Mon Jul 10 16:32:00 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.195	49	999867	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.661	114	2423280	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.481	117	2279810	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.793 95 2067161 11.457 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 114.600%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.716	85	1983746	9.919	ppbv	98
3) Chlorodifluoromethane	2.661	51	1604415	10.123	ppbv	95
4) Chloromethane	2.803	50	626003	9.971	ppbv	98
5) Vinyl Chloride	2.909	62	667578	10.126	ppbv	98
6) Bromomethane	3.108	94	291933	10.491	ppbv	95
7) Chloroethane	3.189	64	248111	10.727	ppbv	99
8) Dichlorotetrafluoroethane	2.844	85	1768272	10.746	ppbv	98
9) Propene	2.680	41	472657	8.712	ppbv	99
10) Heptane	7.590	43	1238427	10.337	ppbv	99
11) Trichlorofluoromethane	3.555	101	1855158	11.496	ppbv	96
12) 1,1,2-Trichlorotrifluo...	4.063	101	1308754	11.515	ppbv	94
13) Ethanol	3.234	45	107955m	9.145	ppbv	
14) Bromoethene	3.359	108	547677	11.207	ppbv	98
15) Acetone	3.462	43	1207363	10.490	ppbv	98
16) 1,3-Butadiene	2.976	39	595126	10.249	ppbv	98
17) tert-Butyl alcohol	3.873	59	1349970	11.340	ppbv	100
18) 1,1-Dichloroethene	3.873	96	590469	11.301	ppbv	99
19) Isopropyl Alcohol	3.568	45	701682	10.620	ppbv #	95
20) Methylene Chloride	3.928	84	517051	10.561	ppbv	98
21) Allyl Chloride	3.992	41	693221	10.547	ppbv	94
22) trans-1,2-Dichloroethene	4.442	96	586223	11.371	ppbv	94
23) Vinyl Acetate	4.626	43	1246442	11.368	ppbv #	99
24) 1,1-Dichloroethane	4.561	63	1195734	10.744	ppbv	99
25) Ethyl Acetate	5.205	43	2228365	10.170	ppbv	99
26) Hexane	5.214	57	984090	9.668	ppbv	95
27) Carbon Disulfide	4.121	76	1440042	12.027	ppbv	99
28) Methyl tert-Butyl Ether	4.587	73	847251	10.339	ppbv	100
29) Chloroform	5.278	83	1764289	10.450	ppbv	99
30) Cyclohexane	6.606	84	833352	9.839	ppbv	96
31) cis-1,2-Dichloroethene	5.079	61	996454	9.903	ppbv	95
32) 1,1,1-Trichloroethane	6.008	97	1788811	10.828	ppbv	99
34) 2-Butanone	4.787	43	1340694	11.196	ppbv	97
35) Carbon Tetrachloride	6.500	117	1858837	12.746	ppbv	98
36) Benzene	6.375	78	2015688	10.338	ppbv	97
37) 1,2-Dichloroethane	5.812	62	1355726	11.819	ppbv	97
38) Trichloroethene	7.304	130	834225	11.311	ppbv	96
39) 1,2-Dichloropropane	7.082	63	795662	10.600	ppbv	90
40) 1,4-Dioxane	7.301	88	258519	11.012	ppbv #	88
41) Tetrahydrofuran	5.558	42	737967	10.561	ppbv	97
42) Bromodichloromethane	7.259	83	1900049	11.910	ppbv	98
43) Methyl Methacrylate	7.484	69	840116	11.511	ppbv	96
44) 2,2,4-Trimethylpentane	7.336	57	3437240	10.957	ppbv	96
45) t-1,3-Dichloropropene	8.722	75	563120	12.028	ppbv	100

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.153	75	681078	11.339	ppbv	91
47) 1,1,2-Trichloroethane	8.912	97	884048	10.675	ppbv	97
48) Dibromochloromethane	9.725	129	1558671	12.173	ppbv	99
49) Bromoform	12.423	173	1289576	12.704	ppbv	99
50) 4-Methyl-2-Pentanone	8.192	43	2069347	11.894	ppbv	95
51) 2-Hexanone	9.561	43	1449096	11.778	ppbv #	96
52) Tetrachloroethene	10.629	164	699967	11.085	ppbv	96
53) Toluene	9.233	91	2366109	11.172	ppbv	99
54) 1,2-Dibromoethane	10.024	107	1143856	11.112	ppbv	100
56) 1,1,1,2-Tetrachloroethane	11.526	131	1176070	11.519	ppbv	99
57) Chlorobenzene	11.545	112	1908673	10.735	ppbv	96
58) Ethyl Benzene	12.105	91	3324950	11.622	ppbv	100
59) m/p-Xylene	12.388	91	5964566m	23.358	ppbv	
60) o-Xylene	13.076	91	2913693	11.978	ppbv	98
61) Styrene	12.915	104	1366332	12.177	ppbv	97
62) Isopropylbenzene	14.047	105	4176997	11.456	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.063	83	2089568	12.266	ppbv	99
64) n-propylbenzene	14.934	120	1085765	11.510	ppbv	92
65) tert-Butylbenzene	16.108	119	3740472	11.588	ppbv	95
66) Benzyl Chloride	16.346	91	308237	13.499	ppbv	95
67) sec-Butylbenzene	16.651	105	5408246	11.403	ppbv	98
69) p-Isopropyltoluene	17.011	119	4378238	11.171	ppbv	98
70) n-Butylbenzene	17.902	91	4918756	11.254	ppbv	99
71) 2-Chlorotoluene	14.815	91	3289078	11.705	ppbv	98
72) 4-Ethyltoluene	15.211	105	3384197	11.868	ppbv	98
73) 1,3,5-Trimethylbenzene	15.368	105	2943868	11.712	ppbv	96
74) 1,2,4-Trimethylbenzene	16.124	105	3384705	11.550	ppbv	96
75) 1,3-Dichlorobenzene	16.346	146	1914100	10.773	ppbv	99
76) 1,4-Dichlorobenzene	16.490	146	1878015	10.780	ppbv	99
77) 1,2-Dichlorobenzene	17.159	146	1848434	10.880	ppbv	99
78) Hexachloro-1,3-Butadiene	22.654	225	1299517	8.145	ppbv	99
79) Naphthalene	21.400	128	2671302	10.774	ppbv	98
80) Naphthalene,2-methyl-	24.387	142	780600	7.635	ppbv	97
81) 1,2,4-Trichlorobenzene	21.159	180	1560631	9.133	ppbv	99

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

