

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101123\
 Data File : VL040774.D
 Acq On : 12 Oct 2023 8:34
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 10/13/2023
 Supervised By : Mahesh Dadoda 10/16/2023

Quant Time: Oct 13 01:22:39 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101123AIR.M

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

QLast Update : Thu Oct 12 00:21:08 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.211	49	942057	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.667	114	2638902	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.471	117	2569079	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.780 95 1904704 10.076 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 100.800%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.764	85	1717499	10.353	ppbv	97
3) Chlorodifluoromethane	2.709	51	1423484	10.282	ppbv	99
4) Chloromethane	2.848	50	547813	10.021	ppbv	100
5) Vinyl Chloride	2.954	62	545164	9.651	ppbv	100
6) Bromomethane	3.150	94	223346	9.557	ppbv	98
7) Chloroethane	3.227	64	185962	10.113	ppbv	97
8) Dichlorotetrafluoroethane	2.889	85	1327638	10.557	ppbv	98
9) Propene	2.729	41	527660	10.261	ppbv	99
10) Heptane	7.590	43	1299708	10.061	ppbv	99
11) Trichlorofluoromethane	3.590	101	1351244	10.553	ppbv	100
12) 1,1,2-Trichlorotrifluo...	4.089	101	965433	10.572	ppbv	100
13) Ethanol	3.269	45	91707m	7.900	ppbv	
14) Bromoethene	3.394	108	423459	10.828	ppbv	100
15) Acetone	3.497	43	944052	9.694	ppbv	98
16) 1,3-Butadiene	3.018	39	519939	10.177	ppbv	96
17) tert-Butyl alcohol	3.902	59	1024103	10.255	ppbv	99
18) 1,1-Dichloroethene	3.906	96	434076	10.605	ppbv	93
19) Isopropyl Alcohol	3.600	45	685039	10.927	ppbv #	39
20) Methylene Chloride	3.957	84	362453	8.935	ppbv	97
21) Allyl Chloride	4.021	41	649085	10.106	ppbv	97
22) trans-1,2-Dichloroethene	4.468	96	462440	10.616	ppbv	97
23) Vinyl Acetate	4.648	43	1177746	9.489	ppbv	98
24) 1,1-Dichloroethane	4.584	63	936526	10.004	ppbv	99
25) Ethyl Acetate	5.221	43	2130276	9.983	ppbv	99
26) Hexane	5.230	57	947329	9.714	ppbv	99
27) Carbon Disulfide	4.147	76	1135225	10.550	ppbv	99
28) Methyl tert-Butyl Ether	4.606	73	730142	9.628	ppbv	100
29) Chloroform	5.295	83	1453237	10.298	ppbv	99
30) Cyclohexane	6.613	84	833962	10.049	ppbv	98
31) cis-1,2-Dichloroethene	5.095	61	937670	10.433	ppbv	98
32) 1,1,1-Trichloroethane	6.018	97	1519780	10.119	ppbv	99
34) 2-Butanone	4.806	43	1063650	8.905	ppbv	100
35) Carbon Tetrachloride	6.507	117	1587160	10.716	ppbv	96
36) Benzene	6.385	78	2066704	10.182	ppbv	99
37) 1,2-Dichloroethane	5.822	62	1119929	10.773	ppbv	99
38) Trichloroethene	7.304	130	801832	8.926	ppbv	97
39) 1,2-Dichloropropane	7.085	63	801093	10.102	ppbv	97
40) 1,4-Dioxane	7.294	88	340456	11.345	ppbv #	92
41) Tetrahydrofuran	5.574	42	850095	10.277	ppbv	99
42) Bromodichloromethane	7.262	83	1659386	10.656	ppbv	98
43) Methyl Methacrylate	7.487	69	852567	10.493	ppbv	98
44) 2,2,4-Trimethylpentane	7.336	57	3362182	9.795	ppbv	100
45) t-1,3-Dichloropropene	8.716	75	596926	9.213	ppbv	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.153	75	725861	9.170	ppbv	99
47) 1,1,2-Trichloroethane	8.905	97	861831	10.346	ppbv	97
48) Dibromochloromethane	9.716	129	1514678	10.850	ppbv	100
49) Bromoform	12.410	173	1223065	10.778	ppbv	99
50) 4-Methyl-2-Pentanone	8.192	43	2102195	10.288	ppbv	100
51) 2-Hexanone	9.555	43	1579573	10.157	ppbv #	99
52) Tetrachloroethene	10.619	164	770530	9.346	ppbv	99
53) Toluene	9.230	91	2403228	9.948	ppbv	99
54) 1,2-Dibromoethane	10.015	107	1215200	10.406	ppbv	96
56) 1,1,1,2-Tetrachloroethane	11.513	131	1076795	10.270	ppbv	99
57) Chlorobenzene	11.532	112	1839391	9.993	ppbv	98
58) Ethyl Benzene	12.092	91	3225246	9.971	ppbv	98
59) m/p-Xylene	12.375	91	5280561m	19.835	ppbv	
60) o-Xylene	13.063	91	2479646	9.775	ppbv	99
61) Styrene	12.902	104	1452007	10.331	ppbv	99
62) Isopropylbenzene	14.034	105	3840341	9.841	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.053	83	1757194	9.240	ppbv	100
64) n-propylbenzene	14.918	120	1042631	9.946	ppbv	96
65) tert-Butylbenzene	16.092	119	3349257	9.516	ppbv	100
66) Benzyl Chloride	16.329	91	222519	6.275	ppbv	99
67) sec-Butylbenzene	16.638	105	4685800	9.724	ppbv	99
69) p-Isopropyltoluene	16.998	119	3917696	9.702	ppbv	99
70) n-Butylbenzene	17.889	91	3947651	9.956	ppbv	99
71) 2-Chlorotoluene	14.802	91	2905542	9.912	ppbv	100
72) 4-Ethyltoluene	15.194	105	3073363	10.346	ppbv	99
73) 1,3,5-Trimethylbenzene	15.352	105	2622166	10.026	ppbv	100
74) 1,2,4-Trimethylbenzene	16.111	105	2818636	9.864	ppbv	97
75) 1,3-Dichlorobenzene	16.333	146	1761379	9.911	ppbv	99
76) 1,4-Dichlorobenzene	16.474	146	1742507	9.901	ppbv	98
77) 1,2-Dichlorobenzene	17.143	146	1683231	9.653	ppbv	99
78) Hexachloro-1,3-Butadiene	22.635	225	1051641	8.429	ppbv	99
79) Naphthalene	21.384	128	2586034	11.133	ppbv	98
80) Naphthalene,2-methyl-	24.377	142	788436	12.096	ppbv	98
81) 1,2,4-Trichlorobenzene	21.143	180	1294949	10.269	ppbv	100

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

