

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101123\
 Data File : VL040754.D
 Acq On : 11 Oct 2023 12:00
 Operator : SY/MD
 Sample : VSTDICCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 10/12/2023
 Supervised By :Mahesh Dadoda 10/16/2023

Quant Time: Oct 11 12:35:15 2023

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

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

QLast Update : Tue Sep 19 05:12:43 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.208	49	1210263	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.668	114	3283429	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.474	117	3402040	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.783 95 2397360 9.121 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 91.200%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.758	85	2021829	7.582	ppbv	97
3) Chlorodifluoromethane	2.703	51	1681947	8.531	ppbv	92
4) Chloromethane	2.841	50	671723	8.899	ppbv	96
5) Vinyl Chloride	2.947	62	679319	7.615	ppbv	99
6) Bromomethane	3.147	94	291612	6.775	ppbv	98
7) Chloroethane	3.221	64	236250	7.710	ppbv	98
8) Dichlorotetrafluoroethane	2.883	85	1553263	7.056	ppbv	97
9) Propene	2.722	41	634951	11.179	ppbv	99
10) Heptane	7.590	43	1561956	12.204	ppbv	97
11) Trichlorofluoromethane	3.584	101	1576122	6.723	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.086	101	1141782	6.809	ppbv	98
13) Ethanol	3.266	45	134257	7.986	ppbv	97
14) Bromoethene	3.388	108	505868	7.192	ppbv	99
15) Acetone	3.491	43	1152916	7.222	ppbv	98
16) 1,3-Butadiene	3.012	39	666445	9.579	ppbv	97
17) tert-Butyl alcohol	3.899	59	1367110	8.360	ppbv	100
18) 1,1-Dichloroethene	3.902	96	510381	6.848	ppbv	98
19) Isopropyl Alcohol	3.597	45	820896	8.534	ppbv #	1
20) Methylene Chloride	3.954	84	423830	4.933	ppbv	91
21) Allyl Chloride	4.018	41	848154	8.669	ppbv	97
22) trans-1,2-Dichloroethene	4.465	96	545993	7.409	ppbv	97
23) Vinyl Acetate	4.645	43	1524437	9.234	ppbv #	98
24) 1,1-Dichloroethane	4.581	63	1141159	7.386	ppbv	99
25) Ethyl Acetate	5.221	43	2593276	10.072	ppbv	100
26) Hexane	5.230	57	1150309	9.449	ppbv	97
27) Carbon Disulfide	4.144	76	1387471	8.172	ppbv	96
28) Methyl tert-Butyl Ether	4.603	73	934634	8.923	ppbv	100
29) Chloroform	5.291	83	1703608	8.105	ppbv	99
30) Cyclohexane	6.613	84	1012402	11.043	ppbv	94
31) cis-1,2-Dichloroethene	5.095	61	1122655	9.939	ppbv	95
32) 1,1,1-Trichloroethane	6.021	97	1772450	8.248	ppbv	98
34) 2-Butanone	4.803	43	1274933	7.721	ppbv	95
35) Carbon Tetrachloride	6.507	117	1824145	8.091	ppbv	99
36) Benzene	6.385	78	2477672	10.190	ppbv	96
37) 1,2-Dichloroethane	5.822	62	1307330	7.856	ppbv #	96
38) Trichloroethene	7.304	130	966096	10.419	ppbv	96
39) 1,2-Dichloropropane	7.086	63	976107	10.430	ppbv	94
40) 1,4-Dioxane	7.298	88	375291	10.607	ppbv #	92
41) Tetrahydrofuran	5.571	42	1050889	12.411	ppbv	92
42) Bromodichloromethane	7.262	83	1944437	8.564	ppbv	99
43) Methyl Methacrylate	7.484	69	1027322	11.367	ppbv	94
44) 2,2,4-Trimethylpentane	7.340	57	4093080	10.573	ppbv	98
45) t-1,3-Dichloropropene	8.719	75	897644	12.809	ppbv	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.153	75	1035668	12.079	ppbv	97
47) 1,1,2-Trichloroethane	8.909	97	1011919	9.421	ppbv	98
48) Dibromochloromethane	9.719	129	1770212	9.991	ppbv	99
49) Bromoform	12.413	173	1519191	10.440	ppbv	99
50) 4-Methyl-2-Pentanone	8.192	43	2543008	11.397	ppbv	99
51) 2-Hexanone	9.558	43	1960185	12.728	ppbv #	98
52) Tetrachloroethene	10.622	164	934367	11.781	ppbv	98
53) Toluene	9.230	91	2870594	11.183	ppbv	97
54) 1,2-Dibromoethane	10.018	107	1471159	10.731	ppbv	92
56) 1,1,1,2-Tetrachloroethane	11.516	131	1283736	7.916	ppbv	99
57) Chlorobenzene	11.536	112	2193922	8.516	ppbv	99
58) Ethyl Benzene	12.095	91	3825424	9.863	ppbv	95
59) m/p-Xylene	12.375	91	6270630m	17.217	ppbv	
60) o-Xylene	13.066	91	2990832	8.611	ppbv	96
61) Styrene	12.902	104	1760772	12.096	ppbv	96
62) Isopropylbenzene	14.034	105	4542941	8.663	ppbv	97
63) 1,1,2,2-Tetrachloroethane	13.053	83	2095905	7.699	ppbv	99
64) n-propylbenzene	14.918	120	1260564	9.613	ppbv	81
65) tert-Butylbenzene	16.095	119	3991153	8.479	ppbv	91
66) Benzyl Chloride	16.333	91	541818	9.863	ppbv	94
67) sec-Butylbenzene	16.641	105	5563487	8.257	ppbv	96
69) p-Isopropyltoluene	16.998	119	4698641	8.872	ppbv	96
70) n-Butylbenzene	17.892	91	4669495	8.011	ppbv	96
71) 2-Chlorotoluene	14.805	91	3442542	8.872	ppbv	94
72) 4-Ethyltoluene	15.198	105	3679222	9.446	ppbv	97
73) 1,3,5-Trimethylbenzene	15.355	105	3156602	9.000	ppbv	94
74) 1,2,4-Trimethylbenzene	16.114	105	3346057	7.826	ppbv #	89
75) 1,3-Dichlorobenzene	16.336	146	2129740	8.742	ppbv	97
76) 1,4-Dichlorobenzene	16.477	146	2098524	8.755	ppbv	97
77) 1,2-Dichlorobenzene	17.149	146	2071842	8.539	ppbv	97
78) Hexachloro-1,3-Butadiene	22.641	225	1325515	7.220	ppbv	99
79) Naphthalene	21.390	128	3103679	11.665	ppbv	98
80) Naphthalene,2-methyl-	24.374	142	1043854	16.018	ppbv	94
81) 1,2,4-Trichlorobenzene	21.149	180	1570019	9.034	ppbv	100

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

