

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL060523\
 Data File : VL040455.D
 Acq On : 5 Jun 2023 14:07
 Operator : SY/MD
 Sample : VSTDICCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Quant Time: Jun 06 05:56:33 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL060523AIR.M

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

QLast Update : Tue Jun 06 05:55:55 2023

Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 06/06/2023
 Supervised By : Mahesh Dadoda 06/06/2023

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

Internal Standards						
1) Bromochloromethane	5.189	49	1056044	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.655	114	2653549	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.478	117	2595309	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.786 95 2167517 10.119 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 101.200%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.716	85	2103505	9.152	ppbv	100
3) Chlorodifluoromethane	2.661	51	1584328	9.160	ppbv	100
4) Chloromethane	2.800	50	620812	9.272	ppbv	100
5) Vinyl Chloride	2.906	62	672400	9.808	ppbv	100
6) Bromomethane	3.108	94	332255	9.505	ppbv	100
7) Chloroethane	3.185	64	234026	9.327	ppbv	100
8) Dichlorotetrafluoroethane	2.845	85	1711384	9.428	ppbv	100
9) Propene	2.677	41	484217	9.078	ppbv	100
10) Heptane	7.584	43	1261509	10.449	ppbv	100
11) Trichlorofluoromethane	3.552	101	1756535	9.385	ppbv	100
12) 1,1,2-Trichlorotrifluo...	4.057	101	1275378	9.755	ppbv	100
13) Ethanol	3.227	45	107628	10.375	ppbv	100
14) Bromoethene	3.356	108	535272	9.788	ppbv	100
15) Acetone	3.456	43	1113285	8.740	ppbv	100
16) 1,3-Butadiene	2.970	39	603226	9.655	ppbv	100
17) tert-Butyl alcohol	3.867	59	994707	9.347	ppbv	100
18) 1,1-Dichloroethene	3.870	96	575374	9.877	ppbv	100
19) Isopropyl Alcohol	3.562	45	598063	9.742	ppbv	100
20) Methylene Chloride	3.925	84	467576	8.476	ppbv	100
21) Allyl Chloride	3.989	41	706896	9.825	ppbv	100
22) trans-1,2-Dichloroethene	4.436	96	606533	10.148	ppbv	100
23) Vinyl Acetate	4.619	43	1269650	10.252	ppbv	100
24) 1,1-Dichloroethane	4.558	63	1193514	9.564	ppbv	100
25) Ethyl Acetate	5.201	43	2204169	9.550	ppbv	100
26) Hexane	5.208	57	1000476	9.154	ppbv	100
27) Carbon Disulfide	4.115	76	1462070	10.696	ppbv	100
28) Methyl tert-Butyl Ether	4.581	73	841007	9.811	ppbv	100
29) Chloroform	5.272	83	1775183	9.535	ppbv	100
30) Cyclohexane	6.600	84	838979	10.316	ppbv	100
31) cis-1,2-Dichloroethene	5.073	61	1051627	10.057	ppbv	100
32) 1,1,1-Trichloroethane	6.002	97	1809712	9.763	ppbv	100
34) 2-Butanone	4.780	43	1224423	9.569	ppbv	100
35) Carbon Tetrachloride	6.494	117	1864998	10.221	ppbv	100
36) Benzene	6.372	78	2105477	9.973	ppbv	100
37) 1,2-Dichloroethane	5.806	62	1359375	9.886	ppbv	100
38) Trichloroethene	7.295	130	862664	10.634	ppbv	100
39) 1,2-Dichloropropane	7.076	63	799822	9.709	ppbv	100
40) 1,4-Dioxane	7.288	88	224003	9.936	ppbv #	100
41) Tetrahydrofuran	5.555	42	709614	10.213	ppbv	100
42) Bromodichloromethane	7.253	83	1934339	10.215	ppbv	100
43) Methyl Methacrylate	7.478	69	837971	11.052	ppbv	100
44) 2,2,4-Trimethylpentane	7.330	57	3460296	10.040	ppbv	100
45) t-1,3-Dichloropropene	8.719	75	662331	11.799	ppbv	100

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.147	75	772289	11.398	ppbv	100
47) 1,1,2-Trichloroethane	8.905	97	884410	9.899	ppbv	100
48) Dibromochloromethane	9.716	129	1547504	10.824	ppbv	100
49) Bromoform	12.420	173	1204452	11.171	ppbv	100
50) 4-Methyl-2-Pentanone	8.182	43	1823106	10.694	ppbv	100
51) 2-Hexanone	9.555	43	1296624	10.978	ppbv	100
52) Tetrachloroethene	10.626	164	730902	11.029	ppbv	100
53) Toluene	9.227	91	2417184	10.873	ppbv	100
54) 1,2-Dibromoethane	10.018	107	1309475	11.145	ppbv	100
56) 1,1,1,2-Tetrachloroethane	11.516	131	1160320	9.511	ppbv	100
57) Chlorobenzene	11.539	112	1892206	9.646	ppbv	100
58) Ethyl Benzene	12.101	91	3346525	10.652	ppbv	100
59) m/p-Xylene	12.381	91	5911228m	20.515	ppbv	
60) o-Xylene	13.069	91	2834604	10.341	ppbv	100
61) Styrene	12.909	104	1411344	11.966	ppbv	100
62) Isopropylbenzene	14.040	105	4091046	10.040	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.060	83	1751573	9.737	ppbv	100
64) n-propylbenzene	14.928	120	1067549	11.187	ppbv	100
65) tert-Butylbenzene	16.105	119	3541553	10.050	ppbv	100
66) Benzyl Chloride	16.339	91	284099	10.865	ppbv	100
67) sec-Butylbenzene	16.648	105	5132448	10.069	ppbv	100
69) p-Isopropyltoluene	17.008	119	4194099	10.358	ppbv	100
70) n-Butylbenzene	17.899	91	4658902	10.301	ppbv	100
71) 2-Chlorotoluene	14.812	91	3176979	10.500	ppbv	100
72) 4-Ethyltoluene	15.201	105	3329357	10.784	ppbv	100
73) 1,3,5-Trimethylbenzene	15.362	105	2880748	10.557	ppbv	100
74) 1,2,4-Trimethylbenzene	16.121	105	3235965	10.080	ppbv	100
75) 1,3-Dichlorobenzene	16.342	146	1797052	10.002	ppbv	100
76) 1,4-Dichlorobenzene	16.487	146	1771611	9.957	ppbv	100
77) 1,2-Dichlorobenzene	17.156	146	1683875	9.775	ppbv	100
78) Hexachloro-1,3-Butadiene	22.644	225	1196850	9.091	ppbv	100
79) Naphthalene	21.397	128	2401195	13.042	ppbv	100
80) Naphthalene,2-methyl-	24.381	142	763730	14.750	ppbv	100
81) 1,2,4-Trichlorobenzene	21.153	180	1356215	10.626	ppbv	100

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

