

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL080423\
 Data File : VL040584.D
 Acq On : 4 Aug 2023 8:30
 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 08/07/2023
 Supervised By : Mahesh Dadoda 08/07/2023

Quant Time: Aug 05 01:06:41 2023

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 4 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	5.185	49	1248462	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene	6.648	114	3073088	10.000	ppbv	-0.02
55) Chlorobenzene-d5	11.468	117	2926433	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.773 95 2500464 10.796 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 108.000%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.719	85	2343433	9.384	ppbv	100
3) Chlorodifluoromethane	2.664	51	1785245	9.021	ppbv	96
4) Chloromethane	2.803	50	693272	8.844	ppbv	95
5) Vinyl Chloride	2.912	62	783470	9.518	ppbv	99
6) Bromomethane	3.111	94	324989	9.354	ppbv	94
7) Chloroethane	3.189	64	272923	9.450	ppbv	95
8) Dichlorotetrafluoroethane	2.848	85	1947777	9.480	ppbv	99
9) Propene	2.684	41	554748	8.189	ppbv	100
10) Heptane	7.574	43	1372358	9.174	ppbv	99
11) Trichlorofluoromethane	3.555	101	2079132	10.318	ppbv	96
12) 1,1,2-Trichlorotrifluo...	4.060	101	1447056	10.197	ppbv	96
13) Ethanol	3.234	45	134456m	9.122	ppbv	
14) Bromoethene	3.359	108	609127	9.982	ppbv	99
15) Acetone	3.459	43	1339499	9.321	ppbv	98
16) 1,3-Butadiene	2.976	39	705507	9.731	ppbv	96
17) tert-Butyl alcohol	3.870	59	1543837	10.386	ppbv	100
18) 1,1-Dichloroethene	3.870	96	663955	10.177	ppbv	98
19) Isopropyl Alcohol	3.565	45	892821	10.822	ppbv #	96
20) Methylene Chloride	3.925	84	590922	9.667	ppbv	96
21) Allyl Chloride	3.989	41	788215	9.605	ppbv	94
22) trans-1,2-Dichloroethene	4.436	96	653557	10.153	ppbv	98
23) Vinyl Acetate	4.619	43	1340586	9.792	ppbv	99
24) 1,1-Dichloroethane	4.555	63	1362465	9.804	ppbv	99
25) Ethyl Acetate	5.198	43	2526484	9.234	ppbv	99
26) Hexane	5.205	57	1128724	8.880	ppbv	98
27) Carbon Disulfide	4.118	76	1672328	11.186	ppbv	100
28) Methyl tert-Butyl Ether	4.578	73	968947	9.469	ppbv	100
29) Chloroform	5.269	83	1965224	9.322	ppbv	97
30) Cyclohexane	6.597	84	931452	8.807	ppbv	97
31) cis-1,2-Dichloroethene	5.073	61	1152116	9.170	ppbv	97
32) 1,1,1-Trichloroethane	5.999	97	1994662	9.670	ppbv	99
34) 2-Butanone	4.780	43	1509116	9.938	ppbv	98
35) Carbon Tetrachloride	6.487	117	2050585	11.088	ppbv	98
36) Benzene	6.365	78	2308021	9.334	ppbv	97
37) 1,2-Dichloroethane	5.803	62	1512868	10.400	ppbv	97
38) Trichloroethene	7.285	130	941970	10.072	ppbv	95
39) 1,2-Dichloropropane	7.069	63	914168	9.604	ppbv	94
40) 1,4-Dioxane	7.282	88	308671	10.368	ppbv #	29
41) Tetrahydrofuran	5.552	42	852010	9.615	ppbv	98
42) Bromodichloromethane	7.246	83	2133393	10.545	ppbv	98
43) Methyl Methacrylate	7.471	69	947773	10.240	ppbv	97
44) 2,2,4-Trimethylpentane	7.323	57	3853043	9.685	ppbv	97
45) t-1,3-Dichloropropene	8.709	75	639743	10.775	ppbv	96

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.140	75	774512	10.168	ppbv	95
47) 1,1,2-Trichloroethane	8.899	97	991831	9.444	ppbv	99
48) Dibromochloromethane	9.709	129	1730664	10.658	ppbv	99
49) Bromoform	12.407	173	1417723	11.013	ppbv	100
50) 4-Methyl-2-Pentanone	8.179	43	2265027	10.266	ppbv	97
51) 2-Hexanone	9.548	43	1616388	10.360	ppbv #	98
52) Tetrachloroethene	10.613	164	793315	9.907	ppbv	96
53) Toluene	9.220	91	2666049	9.926	ppbv	99
54) 1,2-Dibromoethane	10.008	107	1297737	9.941	ppbv	99
56) 1,1,1,2-Tetrachloroethane	11.507	131	1293685	9.871	ppbv	97
57) Chlorobenzene	11.526	112	2097295	9.190	ppbv	97
58) Ethyl Benzene	12.088	91	3658844	9.963	ppbv	97
59) m/p-Xylene	12.371	91	6483184m	19.779	ppbv	
60) o-Xylene	13.056	91	3138548	10.051	ppbv	99
61) Styrene	12.896	104	1533492	10.647	ppbv	98
62) Isopropylbenzene	14.027	105	4528467	9.676	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.047	83	2232472	10.209	ppbv	100
64) n-propylbenzene	14.915	120	1174025	9.696	ppbv	93
65) tert-Butylbenzene	16.092	119	3999613	9.653	ppbv	95
66) Benzyl Chloride	16.326	91	340988	11.634	ppbv	95
67) sec-Butylbenzene	16.635	105	5777309	9.490	ppbv	99
69) p-Isopropyltoluene	16.995	119	4685693	9.314	ppbv	98
70) n-Butylbenzene	17.886	91	5254285	9.365	ppbv	99
71) 2-Chlorotoluene	14.799	91	3578662	9.922	ppbv	98
72) 4-Ethyltoluene	15.194	105	3658134	9.994	ppbv	98
73) 1,3,5-Trimethylbenzene	15.352	105	3197870	9.912	ppbv	96
74) 1,2,4-Trimethylbenzene	16.108	105	3637451	9.670	ppbv	96
75) 1,3-Dichlorobenzene	16.329	146	2050511	8.991	ppbv	99
76) 1,4-Dichlorobenzene	16.474	146	2009339	8.985	ppbv	98
77) 1,2-Dichlorobenzene	17.143	146	1984423	9.099	ppbv	99
78) Hexachloro-1,3-Butadiene	22.631	225	1435624	7.010	ppbv	99
79) Naphthalene	21.384	128	2952532	9.277	ppbv	98
80) Naphthalene,2-methyl-	24.371	142	933286	7.112	ppbv	98
81) 1,2,4-Trichlorobenzene	21.140	180	1717577	7.831	ppbv	100

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

