

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL012324\
 Data File : VL040990.D
 Acq On : 23 Jan 2024 9:43
 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 01/24/2024
 Supervised By :Mahesh Dadoda 01/24/2024

Quant Time: Jan 23 10:20:35 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL012324AIR.M

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

QLast Update : Tue Jan 23 10:20:22 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.156	49	1102442	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.616	114	2811031	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.426	117	2681044	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.735 95 2020216 10.230 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 102.300%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.697	85	2158850	10.281	ppbv	98
3) Chlorodifluoromethane	2.642	51	1638297	9.875	ppbv	100
4) Chloromethane	2.780	50	616630	10.080	ppbv	96
5) Vinyl Chloride	2.886	62	656027	11.110	ppbv	96
6) Bromomethane	3.086	94	272147	10.389	ppbv	99
7) Chloroethane	3.163	64	221860	10.539	ppbv	99
8) Dichlorotetrafluoroethane	2.822	85	1614811	10.673	ppbv	99
9) Propene	2.661	41	535832	9.789	ppbv	95
10) Heptane	7.542	43	1409692	10.360	ppbv	100
11) Trichlorofluoromethane	3.526	101	1779897	10.842	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.031	101	1280928	10.047	ppbv	99
13) Ethanol	3.208	45	119928	8.684	ppbv	95
14) Bromoethene	3.333	108	512679	10.972	ppbv	99
15) Acetone	3.433	43	1156318	8.745	ppbv	96
16) 1,3-Butadiene	2.951	39	625531	10.988	ppbv	99
17) tert-Butyl alcohol	3.841	59	1154990	11.809	ppbv	99
18) 1,1-Dichloroethene	3.845	96	559498	10.629	ppbv	98
19) Isopropyl Alcohol	3.539	45	766885	11.115	ppbv #	97
20) Methylene Chloride	3.896	84	455683	9.669	ppbv	98
21) Allyl Chloride	3.960	41	794431	10.165	ppbv	99
22) trans-1,2-Dichloroethene	4.411	96	579369	9.653	ppbv	94
23) Vinyl Acetate	4.591	43	1372269	9.408	ppbv	99
24) 1,1-Dichloroethane	4.526	63	1178207	9.030	ppbv	100
25) Ethyl Acetate	5.166	43	2366492	10.329	ppbv	100
26) Hexane	5.176	57	1005744	9.905	ppbv	98
27) Carbon Disulfide	4.089	76	1403803	10.216	ppbv	96
28) Methyl tert-Butyl Ether	4.549	73	840743	8.923	ppbv	100
29) Chloroform	5.240	83	1755640	10.246	ppbv	99
30) Cyclohexane	6.565	84	870118	10.279	ppbv	99
31) cis-1,2-Dichloroethene	5.041	61	933639	8.951	ppbv	98
32) 1,1,1-Trichloroethane	5.967	97	1768944	10.678	ppbv	99
34) 2-Butanone	4.748	43	1280949	8.614	ppbv	99
35) Carbon Tetrachloride	6.455	117	1854403	10.534	ppbv	99
36) Benzene	6.333	78	2213896	10.075	ppbv	99
37) 1,2-Dichloroethane	5.771	62	1357838	10.312	ppbv	100
38) Trichloroethene	7.253	130	876540	10.620	ppbv	98
39) 1,2-Dichloropropane	7.037	63	866648	10.036	ppbv	99
40) 1,4-Dioxane	7.246	88	363347	9.965	ppbv	92
41) Tetrahydrofuran	5.517	42	920602	10.176	ppbv	99
42) Bromodichloromethane	7.211	83	1980486	10.429	ppbv	99
43) Methyl Methacrylate	7.433	69	923144	10.710	ppbv	100
44) 2,2,4-Trimethylpentane	7.288	57	3667031	9.824	ppbv	99
45) t-1,3-Dichloropropene	8.671	75	675526	10.564	ppbv	99

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.105	75	805620	10.175	ppbv	99
47) 1,1,2-Trichloroethane	8.861	97	950033	10.372	ppbv	98
48) Dibromochloromethane	9.671	129	1666600	10.659	ppbv	100
49) Bromoform	12.368	173	1375145	11.398	ppbv	99
50) 4-Methyl-2-Pentanone	8.143	43	2366821	10.510	ppbv	99
51) 2-Hexanone	9.510	43	1742676	10.751	ppbv #	99
52) Tetrachloroethene	10.577	164	767594	10.369	ppbv	98
53) Toluene	9.182	91	2543388	10.438	ppbv	99
54) 1,2-Dibromoethane	9.970	107	1363939	10.850	ppbv	99
56) 1,1,1,2-Tetrachloroethane	11.468	131	1203777	10.268	ppbv	99
57) Chlorobenzene	11.487	112	1977195	10.014	ppbv	99
58) Ethyl Benzene	12.047	91	3468001	10.071	ppbv	100
59) m/p-Xylene	12.333	91	5940837m	20.282	ppbv	
60) o-Xylene	13.018	91	2833693	10.267	ppbv	100
61) Styrene	12.857	104	1457030	11.106	ppbv	100
62) Isopropylbenzene	13.989	105	4114820	10.054	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.005	83	2083540	10.480	ppbv	99
64) n-propylbenzene	14.873	120	1060314	10.328	ppbv	96
65) tert-Butylbenzene	16.050	119	3638576	10.459	ppbv	99
66) Benzyl Chloride	16.288	91	260134	10.927	ppbv	99
67) sec-Butylbenzene	16.597	105	5143399	10.173	ppbv	100
69) p-Isopropyltoluene	16.957	119	4185762	10.652	ppbv	99
70) n-Butylbenzene	17.844	91	4445115	10.896	ppbv	100
71) 2-Chlorotoluene	14.757	91	3247747	10.304	ppbv	99
72) 4-Ethyltoluene	15.153	105	3246687	10.719	ppbv	99
73) 1,3,5-Trimethylbenzene	15.310	105	2824514	10.804	ppbv	99
74) 1,2,4-Trimethylbenzene	16.066	105	3125984	10.744	ppbv	95
75) 1,3-Dichlorobenzene	16.291	146	1780637	10.714	ppbv	99
76) 1,4-Dichlorobenzene	16.433	146	1751319	10.772	ppbv	99
77) 1,2-Dichlorobenzene	17.105	146	1749844	10.929	ppbv	98
78) Hexachloro-1,3-Butadiene	22.590	225	1000423	10.159	ppbv	99
79) Naphthalene	21.339	128	2339599	16.689	ppbv	99
80) Naphthalene,2-methyl-	24.342	142	422605	16.493	ppbv	94
81) 1,2,4-Trichlorobenzene	21.095	180	1131795	14.062	ppbv	99

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

Manual Integrations

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