

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022723\
 Data File : VL040235.D
 Acq On : 27 Feb 2023 14:37
 Operator : SY/MD
 Sample : VL0227ABS02
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0227ABS02

Quant Time: Feb 28 00:18:59 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL021523AIR.M

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

QLast Update : Tue Feb 28 00:12:21 2023

Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 02/28/2023
 Supervised By : Mahesh Dadoda 02/28/2023

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

Internal Standards						
1) Bromochloromethane	5.189	49	905357	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.655	114	2353751	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.471	117	2244241	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	13.783	95	1791361	9.707	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.100%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.719	85	1538156	9.116	ppbv	98
3) Chlorodifluoromethane	2.665	51	1097218	10.145	ppbv	99
4) Chloromethane	2.803	50	700811	10.316	ppbv	98
5) Vinyl Chloride	2.909	62	593310	10.868	ppbv	99
6) Bromomethane	3.108	94	204335	10.370	ppbv	100
7) Chloroethane	3.189	64	216636	10.007	ppbv	96
8) Dichlorotetrafluoroethane	2.845	85	1506540	10.362	ppbv	100
9) Propene	2.681	41	444042	10.072	ppbv	99
10) Heptane	7.581	43	1134534	10.812	ppbv	100
11) Trichlorofluoromethane	3.555	101	1569893	10.369	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.060	101	1176790	10.536	ppbv	98
13) Ethanol	3.234	45	30571m	7.533	ppbv	
14) Bromoethene	3.356	108	467811	10.922	ppbv	100
15) Acetone	3.459	43	1044739	9.585	ppbv	100
16) 1,3-Butadiene	2.973	39	530350	10.654	ppbv	99
17) tert-Butyl alcohol	3.867	59	1078667	10.851	ppbv	100
18) 1,1-Dichloroethene	3.870	96	516065	10.634	ppbv	99
19) Isopropyl Alcohol	3.565	45	505969	9.765	ppbv	99
20) Methylene Chloride	3.925	84	436347	7.690	ppbv	94
21) Allyl Chloride	3.989	41	721746	10.796	ppbv	98
22) trans-1,2-Dichloroethene	4.440	96	548940	10.923	ppbv	96
23) Vinyl Acetate	4.620	43	343856	10.395	ppbv	98
24) 1,1-Dichloroethane	4.559	63	1095988	10.600	ppbv	99
25) Ethyl Acetate	5.198	43	2046695	10.101	ppbv	100
26) Hexane	5.208	57	867260	9.970	ppbv	99
27) Carbon Disulfide	4.118	76	1301625	11.792	ppbv	99
28) Methyl tert-Butyl Ether	4.578	73	971094	10.419	ppbv	99
29) Chloroform	5.272	83	1495648	10.014	ppbv	98
30) Cyclohexane	6.600	84	732880	10.730	ppbv	99
31) cis-1,2-Dichloroethene	5.073	61	826927	10.005	ppbv	97
32) 1,1,1-Trichloroethane	5.999	97	1530971	10.910	ppbv	100
34) 2-Butanone	4.780	43	1172473	10.098	ppbv	99
35) Carbon Tetrachloride	6.491	117	1588231	11.414	ppbv	100
36) Benzene	6.369	78	1858029	10.144	ppbv	99
37) 1,2-Dichloroethane	5.806	62	1185099	10.345	ppbv	98
38) Trichloroethene	7.292	130	1094949	10.848	ppbv	98
39) 1,2-Dichloropropane	7.073	63	720947	10.118	ppbv	93
40) 1,4-Dioxane	7.288	88	280080	9.826	ppbv	92
41) Tetrahydrofuran	5.555	42	697123	10.361	ppbv	99
42) Bromodichloromethane	7.250	83	1680564	10.628	ppbv	99
43) Methyl Methacrylate	7.478	69	741799	10.945	ppbv	99
44) 2,2,4-Trimethylpentane	7.330	57	3111821	10.177	ppbv	99
45) t-1,3-Dichloropropene	8.716	75	712930	11.858	ppbv	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.144	75	963558	11.504	ppbv	99
47) 1,1,2-Trichloroethane	8.902	97	782946	10.159	ppbv	97
48) Dibromochloromethane	9.716	129	1365082	11.074	ppbv	100
49) Bromoform	12.413	173	1048955	10.902	ppbv	100
50) 4-Methyl-2-Pentanone	8.182	43	1977428	10.969	ppbv	98
51) 2-Hexanone	9.552	43	1519515	10.960	ppbv #	99
52) Tetrachloroethene	10.619	164	613932	10.733	ppbv	97
53) Toluene	9.224	91	2114880	10.780	ppbv	99
54) 1,2-Dibromoethane	10.012	107	861389	10.742	ppbv	100
56) 1,1,1,2-Tetrachloroethane	11.513	131	962514	10.217	ppbv #	93
57) Chlorobenzene	11.533	112	1628195	9.930	ppbv	99
58) Ethyl Benzene	12.095	91	2900758	10.638	ppbv	98
59) m/p-Xylene	12.378	91	5020043m	20.786	ppbv	
60) o-Xylene	13.063	91	2440506	10.502	ppbv	100
61) Styrene	12.905	104	1353531	11.094	ppbv	99
62) Isopropylbenzene	14.037	105	3398506	10.189	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.057	83	796490	9.511	ppbv	99
64) n-propylbenzene	14.928	120	856441	10.374	ppbv	96
65) tert-Butylbenzene	16.098	119	2945038	10.157	ppbv	98
66) Benzyl Chloride	16.336	91	195546	10.135	ppbv	99
67) sec-Butylbenzene	16.642	105	4191614	10.080	ppbv	100
69) p-Isopropyltoluene	17.005	119	3334281	10.114	ppbv	99
70) n-Butylbenzene	17.896	91	3633483	10.155	ppbv	99
71) 2-Chlorotoluene	14.809	91	2603744	10.206	ppbv	99
72) 4-Ethyltoluene	15.201	105	2739557	10.664	ppbv	99
73) 1,3,5-Trimethylbenzene	15.362	105	2426502	10.151	ppbv	98
74) 1,2,4-Trimethylbenzene	16.121	105	2637072	10.044	ppbv	92
75) 1,3-Dichlorobenzene	16.339	146	1406042	9.785	ppbv	99
76) 1,4-Dichlorobenzene	16.481	146	1370049	9.730	ppbv	99
77) 1,2-Dichlorobenzene	17.153	146	1344467	9.420	ppbv	99
78) Hexachloro-1,3-Butadiene	22.648	225	892096	9.098	ppbv	99
79) Naphthalene	21.397	128	1801267	12.211	ppbv	98
80) Naphthalene,2-methyl-	24.381	142	369273	8.803	ppbv	98
81) 1,2,4-Trichlorobenzene	21.149	180	975582	10.569	ppbv	98

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

Manual Integrations APPROVED

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