

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL011623\
 Data File : VL040091.D
 Acq On : 16 Jan 2023 10:17
 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 01/17/2023
 Supervised By :Mahesh Dadoda 01/17/2023

Quant Time: Jan 16 11:07:04 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011623AIR.M

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

QLast Update : Tue Jan 10 00:22:08 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.185	49	1090685	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.652	114	2857389	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.475	117	2791385m	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.783 95 2391754 11.217 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 112.200%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.716	85	1691072	8.283	ppbv	100
3) Chlorodifluoromethane	2.658	51	1219634	7.579	ppbv	97
4) Chloromethane	2.800	50	774844	7.684	ppbv	98
5) Vinyl Chloride	2.906	62	673601	8.257	ppbv	99
6) Bromomethane	3.105	94	238709	7.963	ppbv	95
7) Chloroethane	3.185	64	244047	7.929	ppbv	98
8) Dichlorotetrafluoroethane	2.841	85	1701729	7.922	ppbv	97
9) Propene	2.677	41	509683	7.463	ppbv	99
10) Heptane	7.581	43	1312891	7.877	ppbv	99
11) Trichlorofluoromethane	3.552	101	1862673	8.396	ppbv	96
12) 1,1,2-Trichlorotrifluo...	4.057	101	1381207	8.221	ppbv	97
13) Ethanol	3.234	45	38789m	6.035	ppbv	
14) Bromoethene	3.353	108	532707	8.420	ppbv	99
15) Acetone	3.456	43	1204887	7.141	ppbv	100
16) 1,3-Butadiene	2.970	39	593507	8.093	ppbv	99
17) tert-Butyl alcohol	3.867	59	1263131	7.594	ppbv	100
18) 1,1-Dichloroethene	3.870	96	605542	8.280	ppbv	97
19) Isopropyl Alcohol	3.565	45	618891	7.443	ppbv #	97
20) Methylene Chloride	3.922	84	513211	7.156	ppbv	95
21) Allyl Chloride	3.986	41	846346	8.348	ppbv	99
22) trans-1,2-Dichloroethene	4.436	96	626975	8.602	ppbv	93
23) Vinyl Acetate	4.619	43	425369m	7.952	ppbv	
24) 1,1-Dichloroethane	4.555	63	1265032	8.053	ppbv	99
25) Ethyl Acetate	5.198	43	2267200	7.759	ppbv	100
26) Hexane	5.208	57	962031	7.834	ppbv	100
27) Carbon Disulfide	4.115	76	1486757	9.598	ppbv	99
28) Methyl tert-Butyl Ether	4.578	73	1117725	7.722	ppbv	99
29) Chloroform	5.269	83	1535213	8.192	ppbv	99
30) Cyclohexane	6.603	84	827066	7.604	ppbv	97
31) cis-1,2-Dichloroethene	5.073	61	960295	8.211	ppbv	97
32) 1,1,1-Trichloroethane	5.999	97	1733325	8.639	ppbv	99
34) 2-Butanone	4.777	43	1359766	8.772	ppbv	99
35) Carbon Tetrachloride	6.494	117	1827089	10.295	ppbv	97
36) Benzene	6.369	78	2111959	8.276	ppbv	97
37) 1,2-Dichloroethane	5.803	62	1343081	8.972	ppbv	97
38) Trichloroethene	7.291	130	1253479	9.558	ppbv	99
39) 1,2-Dichloropropane	7.073	63	823699	8.611	ppbv	99
40) 1,4-Dioxane	7.288	88	336890	7.814	ppbv	82
41) Tetrahydrofuran	5.552	42	792606	8.192	ppbv	98
42) Bromodichloromethane	7.250	83	1971916	9.615	ppbv	98
43) Methyl Methacrylate	7.478	69	865035	9.032	ppbv	97
44) 2,2,4-Trimethylpentane	7.327	57	3562653	8.480	ppbv	99
45) t-1,3-Dichloropropene	8.713	75	844909	10.438	ppbv	100

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.143	75	1130042	9.898	ppbv	97
47) 1,1,2-Trichloroethane	8.902	97	894955	8.543	ppbv	98
48) Dibromochloromethane	9.716	129	1595394	10.015	ppbv	100
49) Bromoform	12.413	173	1293213	10.641	ppbv	99
50) 4-Methyl-2-Pentanone	8.185	43	2258006	8.916	ppbv	100
51) 2-Hexanone	9.555	43	1802194	9.149	ppbv #	96
52) Tetrachloroethene	10.619	164	728732	8.399	ppbv	95
53) Toluene	9.224	91	2440919	8.639	ppbv	99
54) 1,2-Dibromoethane	10.015	107	1034309	9.169	ppbv	99
56) 1,1,1,2-Tetrachloroethane	11.513	131	1141134	8.862	ppbv	96
57) Chlorobenzene	11.532	112	1901324	8.024	ppbv	92
58) Ethyl Benzene	12.095	91	3379737	8.522	ppbv	100
59) m/p-Xylene	12.378	91	5916654m	17.125	ppbv	
60) o-Xylene	13.066	91	2848607	8.606	ppbv	98
61) Styrene	12.909	104	1627593	9.168	ppbv	98
62) Isopropylbenzene	14.037	105	3976139	8.332	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.053	83	964447	7.947	ppbv	98
64) n-propylbenzene	14.921	120	1012383	8.399	ppbv	94
65) tert-Butylbenzene	16.101	119	3480692	8.393	ppbv	97
66) Benzyl Chloride	16.342	91	275970m	11.411	ppbv	
67) sec-Butylbenzene	16.645	105	4909141	8.447	ppbv	100
69) p-Isopropyltoluene	17.005	119	3967265	8.545	ppbv	99
70) n-Butylbenzene	17.899	91	4251027	8.740	ppbv	99
71) 2-Chlorotoluene	14.809	91	3104196	8.526	ppbv	99
72) 4-Ethyltoluene	15.204	105	3245461	8.830	ppbv	98
73) 1,3,5-Trimethylbenzene	15.362	105	2870200	8.660	ppbv	96
74) 1,2,4-Trimethylbenzene	16.117	105	3122664	8.547	ppbv	97
75) 1,3-Dichlorobenzene	16.339	146	1720254	8.605	ppbv	99
76) 1,4-Dichlorobenzene	16.484	146	1682199	8.619	ppbv	98
77) 1,2-Dichlorobenzene	17.153	146	1628780	8.495	ppbv	99
78) Hexachloro-1,3-Butadiene	22.644	225	1051673	7.907	ppbv #	100
79) Naphthalene	21.394	128	2123672	9.755	ppbv	99
80) Naphthalene,2-methyl-	24.387	142	640414	9.615	ppbv	100
81) 1,2,4-Trichlorobenzene	21.149	180	1112608	8.604	ppbv	98

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

