

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111323\
 Data File : VL040836.D
 Acq On : 13 Nov 2023 11:25
 Operator : SY/MD
 Sample : VSTDICC002
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC002

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 11/15/2023
 Supervised By :Semsettin Yesilyurt 11/15/2023

Quant Time: Nov 13 15:24:21 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111323AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2
 QLast Update : Mon Nov 13 15:18:50 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.176	49	1209946	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.632	114	3102623	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.439	117	2926579	10.000	ppbv	# 0.00

System Monitoring Compounds
 68) 1-Bromo-4-Fluorobenzene 13.751 95 2231721 10.245 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 102.500%

Target Compounds					Qvalue
2) Dichlorodifluoromethane	2.732	85	507979	2.354	ppbv 100
3) Chlorodifluoromethane	2.677	51	400240	2.245	ppbv 99
4) Chloromethane	2.812	50	140271	2.013	ppbv 95
5) Vinyl Chloride	2.919	62	148930	2.067	ppbv 96
6) Bromomethane	3.121	94	55789	1.925	ppbv 99
7) Chloroethane	3.192	64	50727	2.174	ppbv 93
8) Dichlorotetrafluoroethane	2.857	85	372285	2.298	ppbv 99
9) Propene	2.697	41	137441	2.113	ppbv 97
10) Heptane	7.558	43	335084	2.041	ppbv 100
11) Trichlorofluoromethane	3.555	101	390128	2.339	ppbv 98
12) 1,1,2-Trichlorotrifluo...	4.057	101	272105	2.292	ppbv 98
13) Ethanol	3.253	45	23845	1.661	ppbv 82
14) Bromoethene	3.365	108	106782	2.125	ppbv 91
15) Acetone	3.468	43	264805	2.129	ppbv 98
16) 1,3-Butadiene	2.986	39	129563m	2.001	ppbv
17) tert-Butyl alcohol	3.873	59	216097	1.799	ppbv 98
18) 1,1-Dichloroethene	3.873	96	120560	2.274	ppbv 93
19) Isopropyl Alcohol	3.578	45	148022	1.895	ppbv # 93
20) Methylene Chloride	3.925	84	105941	2.031	ppbv 96
21) Allyl Chloride	3.989	41	175657	2.168	ppbv 99
22) trans-1,2-Dichloroethene	4.436	96	148357	2.585	ppbv 94
23) Vinyl Acetate	4.616	43	361512	2.225	ppbv # 98
24) 1,1-Dichloroethane	4.552	63	326497	2.597	ppbv 99
25) Ethyl Acetate	5.195	43	569933	2.098	ppbv 100
26) Hexane	5.198	57	250222	2.023	ppbv 97
27) Carbon Disulfide	4.118	76	305648	2.203	ppbv 97
28) Methyl tert-Butyl Ether	4.581	73	234338	2.358	ppbv 100
29) Chloroform	5.259	83	416683	2.269	ppbv 99
30) Cyclohexane	6.584	84	208317	1.984	ppbv 97
31) cis-1,2-Dichloroethene	5.063	61	254623	2.197	ppbv 98
32) 1,1,1-Trichloroethane	5.986	97	405570	2.098	ppbv 99
34) 2-Butanone	4.777	43	348153	2.351	ppbv 97
35) Carbon Tetrachloride	6.475	117	424974	2.401	ppbv 98
36) Benzene	6.352	78	540228	2.265	ppbv 98
37) 1,2-Dichloroethane	5.787	62	308424	2.451	ppbv 100
38) Trichloroethene	7.275	130	205010m	1.948	ppbv
39) 1,2-Dichloropropane	7.053	63	211078	2.264	ppbv 96
40) 1,4-Dioxane	7.282	88	85169m	2.437	ppbv
41) Tetrahydrofuran	5.549	42	202110	2.093	ppbv 96
42) Bromodichloromethane	7.227	83	450844	2.405	ppbv 95
43) Methyl Methacrylate	7.455	69	212435	2.227	ppbv 99
44) 2,2,4-Trimethylpentane	7.304	57	908602	2.251	ppbv 100
45) t-1,3-Dichloropropene	8.684	75	114880m	1.606	ppbv

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QLast Update : Mon Nov 13 15:18:50 2023

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.118	75	146668	1.648	ppbv	99
47) 1,1,2-Trichloroethane	8.873	97	217510	2.214	ppbv	92
48) Dibromochloromethane	9.687	129	367850	2.224	ppbv	98
49) Bromoform	12.378	173	282315	2.143	ppbv	99
50) 4-Methyl-2-Pentanone	8.163	43	530813	2.206	ppbv	99
51) 2-Hexanone	9.532	43	373392	2.054	ppbv	98
52) Tetrachloroethene	10.587	164	183317	1.914	ppbv	92
53) Toluene	9.195	91	593693	2.098	ppbv	100
54) 1,2-Dibromoethane	9.983	107	288890	2.116	ppbv	92
56) 1,1,1,2-Tetrachloroethane	11.478	131	271052	2.249	ppbv #	1
57) Chlorobenzene	11.500	112	466032	2.212	ppbv	98
58) Ethyl Benzene	12.060	91	822118	2.213	ppbv	99
59) m/p-Xylene	12.346	91	1411917m	4.599	ppbv	
60) o-Xylene	13.031	91	670918	2.298	ppbv	97
61) Styrene	12.870	104	319190	2.014	ppbv	98
62) Isopropylbenzene	14.002	105	986887	2.208	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.021	83	480207	2.193	ppbv	99
64) n-propylbenzene	14.889	120	246781m	2.079	ppbv	
65) tert-Butylbenzene	16.066	119	861992	2.148	ppbv	98
66) Benzyl Chloride	16.304	91	27874m	0.825	ppbv	
67) sec-Butylbenzene	16.609	105	1222125	2.220	ppbv	99
69) p-Isopropyltoluene	16.969	119	979201	2.138	ppbv	99
70) n-Butylbenzene	17.860	91	1037375	2.286	ppbv	98
71) 2-Chlorotoluene	14.777	91	760034	2.256	ppbv	100
72) 4-Ethyltoluene	15.162	105	732118	2.164	ppbv	98
73) 1,3,5-Trimethylbenzene	15.323	105	656370	2.203	ppbv	95
74) 1,2,4-Trimethylbenzene	16.079	105	729478	2.232	ppbv	98
75) 1,3-Dichlorobenzene	16.304	146	399668	2.009	ppbv	99
76) 1,4-Dichlorobenzene	16.449	146	387414	1.965	ppbv	98
77) 1,2-Dichlorobenzene	17.114	146	394716m	2.028	ppbv	
78) Hexachloro-1,3-Butadiene	22.606	225	248806m	1.810	ppbv	
79) Naphthalene	21.352	128	427079	1.697	ppbv	99
80) Naphthalene,2-methyl-	24.361	142	73291m	1.164	ppbv	
81) 1,2,4-Trichlorobenzene	21.108	180	232834	1.704	ppbv	98

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

