

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL051623\
 Data File : VL040438.D
 Acq On : 16 May 2023 14:12
 Operator : SY/MD
 Sample : VSTDICV010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL051623

Quant Time: May 17 05:09:38 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL051623AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Wed May 17 05:08:38 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 05/17/2023
 Supervised By : Mahesh Dadoda 05/17/2023

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

Internal Standards						
1) Bromochloromethane	5.205	49	1128834	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	6.671	114	2831832	10.000	ppbv	0.02
55) Chlorobenzene-d5	11.490	117	2700902	10.000	ppbv	0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.799	95	2125598	9.787	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.900%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.729	85	2217360	10.000	ppbv	100
3) Chlorodifluoromethane	2.674	51	1332180	9.137	ppbv	98
4) Chloromethane	2.812	50	868564	9.592	ppbv	96
5) Vinyl Chloride	2.922	62	724122	9.010	ppbv	98
6) Bromomethane	3.121	94	214913	8.796	ppbv	99
7) Chloroethane	3.198	64	273639	9.635	ppbv	99
8) Dichlorotetrafluoroethane	2.857	85	1754009	8.803	ppbv	97
9) Propene	2.693	41	570057	10.051	ppbv	99
10) Heptane	7.597	43	1345891	10.269	ppbv	100
11) Trichlorofluoromethane	3.568	101	1771861	8.849	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.073	101	1250799	8.519	ppbv	96
13) Ethanol	3.250	45	37845m	8.805	ppbv	
14) Bromoethene	3.369	108	549184	9.383	ppbv	98
15) Acetone	3.468	43	1245144	8.719	ppbv	98
16) 1,3-Butadiene	2.986	39	640186	9.766	ppbv	99
17) tert-Butyl alcohol	3.880	59	1348536	9.428	ppbv	99
18) 1,1-Dichloroethene	3.886	96	583494	9.016	ppbv	98
19) Isopropyl Alcohol	3.578	45	645203	9.275	ppbv	99
20) Methylene Chloride	3.938	84	496723	7.808	ppbv	97
21) Allyl Chloride	4.002	41	875989	9.595	ppbv	100
22) trans-1,2-Dichloroethene	4.455	96	600082	9.284	ppbv	96
23) Vinyl Acetate	4.635	43	352351	8.927	ppbv #	95
24) 1,1-Dichloroethane	4.571	63	1232416	9.126	ppbv	98
25) Ethyl Acetate	5.214	43	2569357	9.554	ppbv	99
26) Hexane	5.224	57	1096958	9.839	ppbv	96
27) Carbon Disulfide	4.131	76	1465144	9.999	ppbv	100
28) Methyl tert-Butyl Ether	4.594	73	1116822	9.429	ppbv	100
29) Chloroform	5.285	83	1854483	9.123	ppbv	100
30) Cyclohexane	6.616	84	923249	10.180	ppbv	97
31) cis-1,2-Dichloroethene	5.089	61	1153329	10.446	ppbv	99
32) 1,1,1-Trichloroethane	6.015	97	1872128	8.864	ppbv	99
34) 2-Butanone	4.796	43	1532740	10.167	ppbv	100
35) Carbon Tetrachloride	6.510	117	1890760	9.302	ppbv	98
36) Benzene	6.385	78	2296823	9.986	ppbv	99
37) 1,2-Dichloroethane	5.819	62	1425526	9.485	ppbv	99
38) Trichloroethene	7.311	130	1379955	9.739	ppbv	98
39) 1,2-Dichloropropane	7.089	63	883035	9.801	ppbv	95
40) 1,4-Dioxane	7.304	88	337658	9.853	ppbv	89
41) Tetrahydrofuran	5.568	42	879847	10.517	ppbv	99
42) Bromodichloromethane	7.266	83	2020570	9.933	ppbv	96
43) Methyl Methacrylate	7.491	69	909061	10.684	ppbv	99
44) 2,2,4-Trimethylpentane	7.343	57	3742794	9.834	ppbv	99
45) t-1,3-Dichloropropene	8.729	75	871522	11.692	ppbv	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.163	75	1189301	11.291	ppbv	99
47) 1,1,2-Trichloroethane	8.921	97	960999	9.773	ppbv	97
48) Dibromochloromethane	9.732	129	1602791	10.204	ppbv	99
49) Bromoform	12.433	173	1260605	10.173	ppbv	100
50) 4-Methyl-2-Pentanone	8.198	43	2361614	10.140	ppbv	100
51) 2-Hexanone	9.568	43	1880570	10.963	ppbv #	100
52) Tetrachloroethene	10.638	164	771614	9.880	ppbv	98
53) Toluene	9.243	91	2604414	10.721	ppbv	99
54) 1,2-Dibromoethane	10.031	107	1019589	10.375	ppbv	98
56) 1,1,1,2-Tetrachloroethane	11.529	131	1163823	9.304	ppbv	98
57) Chlorobenzene	11.552	112	1978428	9.098	ppbv	100
58) Ethyl Benzene	12.111	91	3510434	10.270	ppbv	98
59) m/p-Xylene	12.397	91	6026572m	19.331	ppbv	
60) o-Xylene	13.082	91	2892404	9.748	ppbv	99
61) Styrene	12.921	104	1667778	11.097	ppbv	99
62) Isopropylbenzene	14.056	105	4048537	9.335	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.072	83	880571	8.227	ppbv	99
64) n-propylbenzene	14.944	120	1036990	9.691	ppbv	99
65) tert-Butylbenzene	16.117	119	3538487	9.303	ppbv	99
66) Benzyl Chloride	16.352	91	208785	9.251	ppbv	99
67) sec-Butylbenzene	16.664	105	5049559	9.218	ppbv	99
69) p-Isopropyltoluene	17.021	119	4059284	9.434	ppbv	100
70) n-Butylbenzene	17.911	91	4426213	9.230	ppbv	100
71) 2-Chlorotoluene	14.825	91	3150333	9.548	ppbv	99
72) 4-Ethyltoluene	15.220	105	3267185	9.711	ppbv	99
73) 1,3,5-Trimethylbenzene	15.375	105	2959176	9.581	ppbv	100
74) 1,2,4-Trimethylbenzene	16.133	105	3220335	9.062	ppbv	98
75) 1,3-Dichlorobenzene	16.358	146	1754738	8.975	ppbv	100
76) 1,4-Dichlorobenzene	16.500	146	1710911	9.048	ppbv	100
77) 1,2-Dichlorobenzene	17.169	146	1693729	8.941	ppbv	100
78) Hexachloro-1,3-Butadiene	22.664	225	1208205	8.525	ppbv	99
79) Naphthalene	21.416	128	2523242	11.744	ppbv	99
80) Naphthalene,2-methyl-	24.397	142	766158	12.455	ppbv	97
81) 1,2,4-Trichlorobenzene	21.169	180	1332449	10.018	ppbv	99

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

