

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041223\
 Data File : VL040335.D
 Acq On : 12 Apr 2023 10:05
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Quant Time: Apr 13 05:29:55 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL031523AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Tue Apr 11 04:15:53 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 04/13/2023
 Supervised By : Mahesh Dadoda 04/13/2023

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

Internal Standards						
1) Bromochloromethane	5.188	49	1054698	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.651	114	2652799	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.474	117	2663803m	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.786	95	2073115	9.294	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	92.900%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.716	85	1477011	7.138	ppbv	98
3) Chlorodifluoromethane	2.661	51	1246864	9.401	ppbv	99
4) Chloromethane	2.800	50	794521	9.702	ppbv	100
5) Vinyl Chloride	2.909	62	676771	10.206	ppbv	99
6) Bromomethane	3.108	94	232541	10.113	ppbv	98
7) Chloroethane	3.185	64	252793	9.930	ppbv	99
8) Dichlorotetrafluoroethane	2.845	85	1682864	9.500	ppbv	100
9) Propene	2.681	41	521435	10.263	ppbv	95
10) Heptane	7.581	43	1249752	10.226	ppbv	100
11) Trichlorofluoromethane	3.552	101	1729722	9.226	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.060	101	1257838	8.933	ppbv	98
13) Ethanol	3.240	45	31469m	8.445	ppbv	
14) Bromoethene	3.356	108	533483	10.157	ppbv	99
15) Acetone	3.455	43	1148341	8.943	ppbv	98
16) 1,3-Butadiene	2.973	39	595820	10.209	ppbv	98
17) tert-Butyl alcohol	3.867	59	1284607	10.527	ppbv	100
18) 1,1-Dichloroethene	3.873	96	570723	9.448	ppbv	98
19) Isopropyl Alcohol	3.565	45	586413	9.534	ppbv	99
20) Methylene Chloride	3.925	84	457089	8.462	ppbv	95
21) Allyl Chloride	3.989	41	807937	9.714	ppbv	99
22) trans-1,2-Dichloroethene	4.439	96	570923	9.286	ppbv	94
23) Vinyl Acetate	4.619	43	369937	10.356	ppbv	98
24) 1,1-Dichloroethane	4.558	63	1166312	9.154	ppbv	98
25) Ethyl Acetate	5.201	43	2325326	9.673	ppbv	100
26) Hexane	5.211	57	1000474	10.139	ppbv	96
27) Carbon Disulfide	4.118	76	1408437	10.219	ppbv	99
28) Methyl tert-Butyl Ether	4.581	73	1085405	9.580	ppbv	99
29) Chloroform	5.272	83	1708951	9.808	ppbv	99
30) Cyclohexane	6.603	84	844054	10.855	ppbv	99
31) cis-1,2-Dichloroethene	5.076	61	1045566	10.880	ppbv	99
32) 1,1,1-Trichloroethane	6.002	97	1739305	10.419	ppbv	99
34) 2-Butanone	4.780	43	1272216	9.717	ppbv	100
35) Carbon Tetrachloride	6.491	117	1765237	10.604	ppbv	97
36) Benzene	6.372	78	2092567	10.351	ppbv	98
37) 1,2-Dichloroethane	5.806	62	1326683	10.082	ppbv	99
38) Trichloroethene	7.295	130	1232053	11.152	ppbv	99
39) 1,2-Dichloropropane	7.076	63	798053	10.062	ppbv	96
40) 1,4-Dioxane	7.291	88	292994	9.337	ppbv	69
41) Tetrahydrofuran	5.555	42	765308	10.128	ppbv	97
42) Bromodichloromethane	7.253	83	1829596	10.175	ppbv	99
43) Methyl Methacrylate	7.478	69	830382	11.053	ppbv	97
44) 2,2,4-Trimethylpentane	7.327	57	3484839	10.339	ppbv	99
45) t-1,3-Dichloropropene	8.712	75	771055	11.773	ppbv	99

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Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Tue Apr 11 04:15:53 2023

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.147	75	1076818	11.578	ppbv	96
47) 1,1,2-Trichloroethane	8.905	97	850187	10.046	ppbv	96
48) Dibromochloromethane	9.716	129	1427973	10.253	ppbv	100
49) Bromoform	12.416	173	1066443	10.196	ppbv	99
50) 4-Methyl-2-Pentanone	8.182	43	2078689	10.260	ppbv	99
51) 2-Hexanone	9.555	43	1541534	9.821	ppbv	98
52) Tetrachloroethene	10.622	164	666968	10.905	ppbv	97
53) Toluene	9.227	91	2305080	10.880	ppbv	99
54) 1,2-Dibromoethane	10.015	107	912425	10.474	ppbv	96
56) 1,1,1,2-Tetrachloroethane	11.516	131	1022506	9.125	ppbv	96
57) Chlorobenzene	11.532	112	1697530	8.959	ppbv	97
58) Ethyl Benzene	12.095	91	3084166	10.168	ppbv	99
59) m/p-Xylene	12.381	91	5294096m	19.053	ppbv	
60) o-Xylene	13.066	91	2537580	9.553	ppbv	100
61) Styrene	12.905	104	1426301	10.582	ppbv	99
62) Isopropylbenzene	14.037	105	3549411	9.384	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.056	83	792946	8.484	ppbv	99
64) n-propylbenzene	14.924	120	902428	9.749	ppbv	98
65) tert-Butylbenzene	16.101	119	3150580	9.665	ppbv	99
66) Benzyl Chloride	16.339	91	205244	9.688	ppbv	97
67) sec-Butylbenzene	16.648	105	4567390	9.798	ppbv	99
69) p-Isopropyltoluene	17.005	119	3711138	10.222	ppbv	99
70) n-Butylbenzene	17.895	91	4178539	10.447	ppbv	100
71) 2-Chlorotoluene	14.812	91	2759129	9.584	ppbv	100
72) 4-Ethyltoluene	15.204	105	2932711	10.098	ppbv	98
73) 1,3,5-Trimethylbenzene	15.362	105	2619274	9.957	ppbv	100
74) 1,2,4-Trimethylbenzene	16.117	105	2896654	9.656	ppbv	97
75) 1,3-Dichlorobenzene	16.339	146	1610382	9.911	ppbv	100
76) 1,4-Dichlorobenzene	16.481	146	1561136	10.074	ppbv	99
77) 1,2-Dichlorobenzene	17.156	146	1590486	10.184	ppbv	100
78) Hexachloro-1,3-Butadiene	22.648	225	1111542m	9.705	ppbv	
79) Naphthalene	21.394	128	2294227	12.928	ppbv	99
80) Naphthalene,2-methyl-	24.384	142	370842	8.251	ppbv	96
81) 1,2,4-Trichlorobenzene	21.152	180	1218076	11.144	ppbv	99

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

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