

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091423\
 Data File : VL040684.D
 Acq On : 14 Sep 2023 14:27
 Operator : SY/MD
 Sample : VSTDICC002
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC002

Quant Time: Sep 14 14:59:50 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091423AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2023
 QLast Update : Thu Sep 14 14:45:17 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 09/15/2023
 Supervised By : Mahesh Dadoda 09/15/2023

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

Internal Standards						
1) Bromochloromethane	5.185	49	1261696	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.645	114	3340089	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.459	117	2996221	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.770	95	2256257	9.469	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.700%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.723	85	605391	2.228	ppbv	98
3) Chlorodifluoromethane	2.668	51	440189	2.125	ppbv	97
4) Chloromethane	2.806	50	177770	2.200	ppbv	98
5) Vinyl Chloride	2.912	62	186457	2.173	ppbv	92
6) Bromomethane	3.112	94	95661	2.127	ppbv	95
7) Chloroethane	3.189	64	73534	2.350	ppbv	95
8) Dichlorotetrafluoroethane	2.851	85	485611	2.208	ppbv	99
9) Propene	2.687	41	126393	1.969	ppbv	96
10) Heptane	7.571	43	287285	1.944	ppbv	96
11) Trichlorofluoromethane	3.555	101	494005	2.252	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.060	101	362768	2.228	ppbv	97
13) Ethanol	3.234	45	44296	2.473	ppbv	91
14) Bromoethene	3.359	108	152491	2.306	ppbv	97
15) Acetone	3.462	43	355557	2.304	ppbv	96
16) 1,3-Butadiene	2.977	39	162558	2.118	ppbv	93
17) tert-Butyl alcohol	3.874	59	362192	2.213	ppbv	99
18) 1,1-Dichloroethene	3.870	96	162073	2.196	ppbv	96
19) Isopropyl Alcohol	3.571	45	215152	2.199	ppbv #	95
20) Methylene Chloride	3.925	84	198110	2.627	ppbv	95
21) Allyl Chloride	3.989	41	211114	2.068	ppbv	97
22) trans-1,2-Dichloroethene	4.440	96	161292	2.226	ppbv	98
23) Vinyl Acetate	4.616	43	361493	2.056	ppbv	97
24) 1,1-Dichloroethane	4.555	63	337111	2.242	ppbv	98
25) Ethyl Acetate	5.198	43	600672	2.073	ppbv	99
26) Hexane	5.205	57	299355	2.135	ppbv	90
27) Carbon Disulfide	4.118	76	380236	2.278	ppbv	97
28) Methyl tert-Butyl Ether	4.581	73	233720	2.156	ppbv	98
29) Chloroform	5.266	83	458834	2.067	ppbv	100
30) Cyclohexane	6.594	84	202089	1.883	ppbv	95
31) cis-1,2-Dichloroethene	5.070	61	249275	1.970	ppbv	88
32) 1,1,1-Trichloroethane	5.996	97	458578	2.158	ppbv	99
34) 2-Butanone	4.780	43	343102	2.037	ppbv	98
35) Carbon Tetrachloride	6.484	117	476550	2.280	ppbv	98
36) Benzene	6.362	78	532414	2.004	ppbv	95
37) 1,2-Dichloroethane	5.796	62	341315	2.130	ppbv	98
38) Trichloroethene	7.285	130	205019	1.993	ppbv	94
39) 1,2-Dichloropropane	7.063	63	197032	1.949	ppbv	98
40) 1,4-Dioxane	7.288	88	75431	1.969	ppbv #	88
41) Tetrahydrofuran	5.555	42	185969	1.953	ppbv	98
42) Bromodichloromethane	7.240	83	475995	2.134	ppbv	95
43) Methyl Methacrylate	7.468	69	190325	1.913	ppbv	95
44) 2,2,4-Trimethylpentane	7.317	57	867248	2.019	ppbv	100
45) t-1,3-Dichloropropene	8.706	75	130463	1.642	ppbv	90

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QLast Update : Thu Sep 14 14:45:17 2023

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.137	75	180786	1.865	ppbv	95
47) 1,1,2-Trichloroethane	8.893	97	224125	1.963	ppbv	96
48) Dibromochloromethane	9.703	129	381949	2.137	ppbv	99
49) Bromoform	12.397	173	306588	2.141	ppbv	98
50) 4-Methyl-2-Pentanone	8.182	43	485239	1.972	ppbv	97
51) 2-Hexanone	9.549	43	331765	1.914	ppbv #	99
52) Tetrachloroethene	10.610	164	172939	2.078	ppbv	95
53) Toluene	9.214	91	561524	1.989	ppbv	99
54) 1,2-Dibromoethane	10.002	107	297358	2.045	ppbv	96
56) 1,1,1,2-Tetrachloroethane	11.497	131	300179m	2.165	ppbv	
57) Chlorobenzene	11.516	112	478729	2.070	ppbv	97
58) Ethyl Benzene	12.086	91	745405	2.063	ppbv	98
59) m/p-Xylene	12.365	91	1413705m	4.289	ppbv	
60) o-Xylene	13.050	91	679808	2.176	ppbv	100
61) Styrene	12.893	104	277666	2.029	ppbv	98
62) Isopropylbenzene	14.028	105	998828	2.113	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.040	83	524233	2.241	ppbv	99
64) n-propylbenzene	14.912	120	259764	2.174	ppbv	93
65) tert-Butylbenzene	16.085	119	923175	2.253	ppbv	99
66) Benzyl Chloride	16.320	91	99529m	1.932	ppbv	
67) sec-Butylbenzene	16.632	105	1317902	2.205	ppbv	99
69) p-Isopropyltoluene	16.992	119	1054794	2.255	ppbv	99
70) n-Butylbenzene	17.880	91	1156906	2.265	ppbv	99
71) 2-Chlorotoluene	14.796	91	757963	2.161	ppbv	99
72) 4-Ethyltoluene	15.188	105	768401	2.179	ppbv	98
73) 1,3,5-Trimethylbenzene	15.349	105	693408	2.200	ppbv	96
74) 1,2,4-Trimethylbenzene	16.105	105	813789	2.210	ppbv #	87
75) 1,3-Dichlorobenzene	16.330	146	461671	2.169	ppbv	98
76) 1,4-Dichlorobenzene	16.465	146	470447m	2.261	ppbv	
77) 1,2-Dichlorobenzene	17.137	146	445230	2.126	ppbv	98
78) Hexachloro-1,3-Butadiene	22.632	225	348710	2.195	ppbv	99
79) Naphthalene	21.387	128	600424	2.470	ppbv	98
80) Naphthalene,2-methyl-	24.378	142	97969	1.400	ppbv	92
81) 1,2,4-Trichlorobenzene	21.143	180	334738m	2.092	ppbv	

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

