

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL060524\
 Data File : VL041338.D
 Acq On : 6 Jun 2024 8:19
 Operator : SY/MD
 Sample : VSTDECC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDECC010EC

Quant Time: Jun 06 08:56:43 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL060424AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Jun 05 04:42:10 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.227	49	940264	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	6.684	114	2423374	10.000	ppbv	0.03
55) Chlorobenzene-d5	11.491	117	2350058	10.000	ppbv	0.03

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.803	95	1838815	10.134	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.300%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.774	85	1386109	9.231	ppbv	97
3) Chlorodifluoromethane	2.719	51	1260448	8.483	ppbv	99
4) Chloromethane	2.858	50	555515	9.933	ppbv	100
5) Vinyl Chloride	2.964	62	557314	9.892	ppbv	99
6) Bromomethane	3.163	94	296665	14.809	ppbv	94
7) Chloroethane	3.240	64	192044	9.900	ppbv	89
8) Dichlorotetrafluoroethane	2.899	85	1283712	9.296	ppbv	98
9) Propene	2.739	41	506471	9.569	ppbv	100
10) Heptane	7.607	43	1221357	9.736	ppbv	99
11) Trichlorofluoromethane	3.600	101	1318948	9.555	ppbv	100
12) 1,1,2-Trichlorotrifluo...	4.105	101	954682	9.792	ppbv	99
13) Ethanol	3.276	45	158133	11.484	ppbv	98
14) Bromoethene	3.407	108	378261	9.586	ppbv	95
15) Acetone	3.507	43	1146546	10.680	ppbv	99
16) 1,3-Butadiene	3.028	39	557312	10.327	ppbv	97
17) tert-Butyl alcohol	3.915	59	1103680	11.166	ppbv	100
18) 1,1-Dichloroethene	3.919	96	401977	9.665	ppbv	96
19) Isopropyl Alcohol	3.613	45	778459	11.542	ppbv	99
20) Methylene Chloride	3.970	84	354378	9.082	ppbv	99
21) Allyl Chloride	4.034	41	753892	11.085	ppbv	98
22) trans-1,2-Dichloroethene	4.481	96	439318	10.136	ppbv	90
23) Vinyl Acetate	4.661	43	1275604	11.618	ppbv	99
24) 1,1-Dichloroethane	4.600	63	941521	9.748	ppbv	99
25) Ethyl Acetate	5.237	43	2088519	9.834	ppbv	100
26) Hexane	5.247	57	905689	9.483	ppbv	100
27) Carbon Disulfide	4.163	76	1074391	10.156	ppbv	99
28) Methyl tert-Butyl Ether	4.623	73	683844	9.661	ppbv	99
29) Chloroform	5.308	83	1371837	9.362	ppbv	99
30) Cyclohexane	6.632	84	753899	9.738	ppbv	99
31) cis-1,2-Dichloroethene	5.112	61	899893	9.971	ppbv	97
32) 1,1,1-Trichloroethane	6.038	97	1361876	9.812	ppbv	99
34) 2-Butanone	4.819	43	1162408	10.012	ppbv	98
35) Carbon Tetrachloride	6.526	117	1333782	9.684	ppbv	96
36) Benzene	6.404	78	1867904	9.945	ppbv	99
37) 1,2-Dichloroethane	5.841	62	1082256	9.883	ppbv	100
38) Trichloroethene	7.320	130	719309	9.449	ppbv	96
39) 1,2-Dichloropropane	7.102	63	732215	9.790	ppbv	99
40) 1,4-Dioxane	7.317	88	301460	11.005	ppbv	82
41) Tetrahydrofuran	5.591	42	812221	10.752	ppbv	98
42) Bromodichloromethane	7.282	83	1549950	9.855	ppbv	99
43) Methyl Methacrylate	7.504	69	771602	10.781	ppbv	98
44) 2,2,4-Trimethylpentane	7.359	57	3199976	9.906	ppbv	98
45) t-1,3-Dichloropropene	8.738	75	857517	17.756	ppbv	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.172	75	1076936	17.324	ppbv	99
47) 1,1,2-Trichloroethane	8.931	97	772063	9.878	ppbv	97
48) Dibromochloromethane	9.738	129	1294680	10.051	ppbv	100
49) Bromoform	12.436	173	1075793	10.364	ppbv	100
50) 4-Methyl-2-Pentanone	8.211	43	2134208	11.105	ppbv	100
51) 2-Hexanone	9.578	43	1739614	12.735	ppbv #	100
52) Tetrachloroethene	10.645	164	658856	9.618	ppbv	99
53) Toluene	9.250	91	2202745	10.195	ppbv	98
54) 1,2-Dibromoethane	10.037	107	1158260	11.367	ppbv	100
56) 1,1,1,2-Tetrachloroethane	11.536	131	942114	9.478	ppbv	98
57) Chlorobenzene	11.555	112	1626330	9.316	ppbv	97
58) Ethyl Benzene	12.114	91	2958811	9.822	ppbv	97
59) m/p-Xylene	12.397	91	4985479m	19.317	ppbv	
60) o-Xylene	13.089	91	2366180	9.617	ppbv	99
61) Styrene	12.928	104	1282377	10.631	ppbv	99
62) Isopropylbenzene	14.057	105	3463877	9.309	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.073	83	1677261	9.581	ppbv	99
64) n-propylbenzene	14.938	120	903740	9.423	ppbv	96
65) tert-Butylbenzene	16.118	119	3077701	9.304	ppbv	99
66) Benzyl Chloride	16.352	91	427784	19.654	ppbv	99
67) sec-Butylbenzene	16.661	105	4383545	9.380	ppbv	100
69) p-Isopropyltoluene	17.021	119	3668572	9.525	ppbv	100
70) n-Butylbenzene	17.912	91	3874819	9.697	ppbv	100
71) 2-Chlorotoluene	14.825	91	2662592	9.349	ppbv	100
72) 4-Ethyltoluene	15.217	105	2807241	9.793	ppbv	99
73) 1,3,5-Trimethylbenzene	15.375	105	2473804	9.943	ppbv	98
74) 1,2,4-Trimethylbenzene	16.134	105	2682917	9.536	ppbv	94
75) 1,3-Dichlorobenzene	16.355	146	1556874	9.426	ppbv	100
76) 1,4-Dichlorobenzene	16.500	146	1521073	9.216	ppbv	99
77) 1,2-Dichlorobenzene	17.166	146	1535166	9.285	ppbv	100
78) Hexachloro-1,3-Butadiene	22.661	225	1094143	8.075	ppbv	100
79) Naphthalene	21.410	128	2756994	11.293	ppbv	99
80) Naphthalene,2-methyl-	24.394	142	978894	11.873	ppbv	99
81) 1,2,4-Trichlorobenzene	21.169	180	1233956	9.064	ppbv #	99

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

