

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042524\
 Data File : VL041164.D
 Acq On : 25 Apr 2024 9:31
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Quant Time: Apr 26 03:09:49 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL040424AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Fri Apr 26 03:09:28 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 04/26/2024
 Supervised By : Mahesh Dadoda 04/26/2024

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

Internal Standards						
1) Bromochloromethane	5.179	49	1193150	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.635	114	3003726	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.442	117	3003933	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	13.748	95	2481141	10.272	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.700%

Target Compounds	Qvalue					
2) Dichlorodifluoromethane	2.729	85	1832947	8.981	ppbv	100
3) Chlorodifluoromethane	2.674	51	1877388	10.216	ppbv	100
4) Chloromethane	2.809	50	725773	10.436	ppbv	99
5) Vinyl Chloride	2.918	62	732924	10.910	ppbv	98
6) Bromomethane	3.118	94	271058	10.719	ppbv	94
7) Chloroethane	3.192	64	259596	10.529	ppbv	99
8) Dichlorotetrafluoroethane	2.854	85	1849230	10.621	ppbv	100
9) Propene	2.693	41	608635	10.411	ppbv	96
10) Heptane	7.558	43	1575237	11.349	ppbv	100
11) Trichlorofluoromethane	3.555	101	1920239	10.375	ppbv	100
12) 1,1,2-Trichlorotrifluo...	4.057	101	1405264	10.490	ppbv	99
13) Ethanol	3.234	45	130454	9.382	ppbv	95
14) Bromoethene	3.359	108	570957	10.821	ppbv	100
15) Acetone	3.459	43	1320426	10.221	ppbv	98
16) 1,3-Butadiene	2.983	39	711604	11.221	ppbv	99
17) tert-Butyl alcohol	3.867	59	1170616	10.005	ppbv	100
18) 1,1-Dichloroethene	3.870	96	620336	10.847	ppbv	96
19) Isopropyl Alcohol	3.568	45	852874	10.867	ppbv	99
20) Methylene Chloride	3.925	84	512727	9.622	ppbv	98
21) Allyl Chloride	3.986	41	839866	10.669	ppbv	99
22) trans-1,2-Dichloroethene	4.433	96	645705	10.770	ppbv	98
23) Vinyl Acetate	4.613	43	1477973	11.199	ppbv	98
24) 1,1-Dichloroethane	4.552	63	1296123	10.793	ppbv	99
25) Ethyl Acetate	5.188	43	2601632	10.723	ppbv	100
26) Hexane	5.195	57	1107800	10.176	ppbv	97
27) Carbon Disulfide	4.115	76	1507695	11.303	ppbv	99
28) Methyl tert-Butyl Ether	4.574	73	829759	10.100	ppbv	99
29) Chloroform	5.259	83	1944519	10.596	ppbv	100
30) Cyclohexane	6.581	84	935368	10.548	ppbv	97
31) cis-1,2-Dichloroethene	5.063	61	1112395	10.795	ppbv	97
32) 1,1,1-Trichloroethane	5.986	97	1878107	11.071	ppbv	99
34) 2-Butanone	4.771	43	1404282	11.048	ppbv	100
35) Carbon Tetrachloride	6.475	117	2009120	11.748	ppbv	97
36) Benzene	6.352	78	2398060	10.872	ppbv	100
37) 1,2-Dichloroethane	5.790	62	1463446	11.050	ppbv	100
38) Trichloroethene	7.272	130	959074	12.035	ppbv	96
39) 1,2-Dichloropropane	7.057	63	956481	10.997	ppbv	99
40) 1,4-Dioxane	7.266	88	348589	11.500	ppbv	93
41) Tetrahydrofuran	5.539	42	971571	11.480	ppbv	98
42) Bromodichloromethane	7.227	83	2187840	11.563	ppbv	94
43) Methyl Methacrylate	7.452	69	1002625	11.933	ppbv	98
44) 2,2,4-Trimethylpentane	7.304	57	4094686	11.213	ppbv	99
45) t-1,3-Dichloropropene	8.687	75	657642	13.282	ppbv	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.121	75	837745	13.077	ppbv	97
47) 1,1,2-Trichloroethane	8.880	97	1053560	11.208	ppbv	95
48) Dibromochloromethane	9.687	129	1814010	12.157	ppbv	99
49) Bromoform	12.381	173	1495797	12.653	ppbv	100
50) 4-Methyl-2-Pentanone	8.159	43	2660459	11.894	ppbv	100
51) 2-Hexanone	9.526	43	1918955	12.373	ppbv	99
52) Tetrachloroethene	10.590	164	833689	11.846	ppbv	93
53) Toluene	9.198	91	2794400	12.031	ppbv	100
54) 1,2-Dibromoethane	9.986	107	1444699	12.323	ppbv	98
56) 1,1,1,2-Tetrachloroethane	11.484	131	1340138	10.856	ppbv	97
57) Chlorobenzene	11.500	112	2192247	10.661	ppbv	100
58) Ethyl Benzene	12.063	91	3840861	11.679	ppbv	97
59) m/p-Xylene	12.349	91	6703378m	22.569	ppbv	
60) o-Xylene	13.034	91	3207911	11.399	ppbv	99
61) Styrene	12.873	104	1609501	12.907	ppbv	99
62) Isopropylbenzene	14.005	105	4637066	11.068	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.021	83	2502321	11.317	ppbv	99
64) n-propylbenzene	14.886	120	1225489	11.655	ppbv	99
65) tert-Butylbenzene	16.063	119	4170997	11.403	ppbv	100
66) Benzyl Chloride	16.297	91	291281	12.104	ppbv	98
67) sec-Butylbenzene	16.609	105	5962284	11.283	ppbv	100
69) p-Isopropyltoluene	16.969	119	4813456	11.680	ppbv	100
70) n-Butylbenzene	17.860	91	5253552	11.735	ppbv	100
71) 2-Chlorotoluene	14.773	91	3664869	11.405	ppbv	100
72) 4-Ethyltoluene	15.166	105	3741590	11.903	ppbv	99
73) 1,3,5-Trimethylbenzene	15.326	105	3231855	11.658	ppbv	99
74) 1,2,4-Trimethylbenzene	16.082	105	3606148	11.366	ppbv	98
75) 1,3-Dichlorobenzene	16.304	146	2091416	11.291	ppbv	99
76) 1,4-Dichlorobenzene	16.445	146	2066501	11.469	ppbv	99
77) 1,2-Dichlorobenzene	17.114	146	2058221	11.443	ppbv	99
78) Hexachloro-1,3-Butadiene	22.603	225	1270220	10.622	ppbv	100
79) Naphthalene	21.355	128	3007325	14.775	ppbv	99
80) Naphthalene,2-methyl-	24.355	142	532135	13.421	ppbv	97
81) 1,2,4-Trichlorobenzene	21.111	180	1471820	12.899	ppbv	99

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

