

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL061124\
 Data File : VL041340.D
 Acq On : 11 Jun 2024 10:20
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 06/12/2024
 Supervised By : Mahesh Dadoda 06/12/2024

Quant Time: Jun 12 01:20:00 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL060424AIR.M

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

QLast Update : Wed Jun 12 01:18:29 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.211	49	1118933	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.667	114	2981796	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.474	117	3105064	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.780 95 2240653 9.346 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 93.500%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.761	85	1572799	8.802	ppbv	99
3) Chlorodifluoromethane	2.706	51	1726452	9.764	ppbv	100
4) Chloromethane	2.844	50	690715	10.378	ppbv	98
5) Vinyl Chloride	2.951	62	696740	10.392	ppbv	96
6) Bromomethane	3.147	94	242975	10.192	ppbv	93
7) Chloroethane	3.224	64	238493	10.332	ppbv	98
8) Dichlorotetrafluoroethane	2.886	85	1658493	10.093	ppbv	96
9) Propene	2.725	41	600704	9.538	ppbv	98
10) Heptane	7.590	43	1511100	10.122	ppbv	99
11) Trichlorofluoromethane	3.587	101	1661244	10.114	ppbv	96
12) 1,1,2-Trichlorotrifluo...	4.089	101	1210255	10.431	ppbv	95
13) Ethanol	3.269	45	129071	7.877	ppbv	95
14) Bromoethene	3.391	108	489166	10.417	ppbv	97
15) Acetone	3.494	43	1292591	10.118	ppbv	100
16) 1,3-Butadiene	3.015	39	703568	10.955	ppbv	99
17) tert-Butyl alcohol	3.899	59	1260388	10.716	ppbv	100
18) 1,1-Dichloroethene	3.902	96	545621	11.024	ppbv	91
19) Isopropyl Alcohol	3.597	45	846784	10.550	ppbv #	99
20) Methylene Chloride	3.954	84	456332	9.827	ppbv	94
21) Allyl Chloride	4.018	41	866003	10.700	ppbv	100
22) trans-1,2-Dichloroethene	4.465	96	558886	10.836	ppbv	94
23) Vinyl Acetate	4.645	43	1370497	10.489	ppbv #	99
24) 1,1-Dichloroethane	4.584	63	1201856	10.456	ppbv	100
25) Ethyl Acetate	5.221	43	2507819	9.923	ppbv	99
26) Hexane	5.230	57	1083346	9.532	ppbv	100
27) Carbon Disulfide	4.147	76	1477695	11.738	ppbv	99
28) Methyl tert-Butyl Ether	4.603	73	855656	10.158	ppbv	99
29) Chloroform	5.291	83	1725979	9.898	ppbv	96
30) Cyclohexane	6.616	84	940237	10.206	ppbv	96
31) cis-1,2-Dichloroethene	5.095	61	1117934	10.409	ppbv	99
32) 1,1,1-Trichloroethane	6.018	97	1705253	10.324	ppbv	99
34) 2-Butanone	4.803	43	1379579	9.658	ppbv	97
35) Carbon Tetrachloride	6.510	117	1822633	10.755	ppbv	97
36) Benzene	6.385	78	2313743	10.011	ppbv	100
37) 1,2-Dichloroethane	5.822	62	1342888	9.966	ppbv	100
38) Trichloroethene	7.304	130	931027	9.940	ppbv	96
39) 1,2-Dichloropropane	7.089	63	904323	9.826	ppbv	98
40) 1,4-Dioxane	7.301	88	310362	9.208	ppbv	84
41) Tetrahydrofuran	5.574	42	962009	10.350	ppbv	100
42) Bromodichloromethane	7.262	83	1985233	10.258	ppbv #	96
43) Methyl Methacrylate	7.484	69	924902	10.503	ppbv	99
44) 2,2,4-Trimethylpentane	7.339	57	3921869	9.867	ppbv	99
45) t-1,3-Dichloropropene	8.719	75	713360	12.005	ppbv	98

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.156	75	865200	11.311	ppbv	97
47) 1,1,2-Trichloroethane	8.912	97	981239	10.203	ppbv	97
48) Dibromochloromethane	9.719	129	1725418	10.886	ppbv	99
49) Bromoform	12.413	173	1480920	11.595	ppbv	100
50) 4-Methyl-2-Pentanone	8.188	43	2474935	10.467	ppbv	100
51) 2-Hexanone	9.558	43	1772418	10.546	ppbv	100
52) Tetrachloroethene	10.626	164	879533	10.435	ppbv	98
53) Toluene	9.230	91	2758859	10.378	ppbv	99
54) 1,2-Dibromoethane	10.018	107	1354812	10.806	ppbv	99
56) 1,1,1,2-Tetrachloroethane	11.516	131	1253706	9.546	ppbv	97
57) Chlorobenzene	11.535	112	2126820	9.221	ppbv	99
58) Ethyl Benzene	12.095	91	3714518	9.333	ppbv	100
59) m/p-Xylene	12.378	91	6261935m	18.363	ppbv	
60) o-Xylene	13.066	91	2982411	9.174	ppbv	99
61) Styrene	12.905	104	1622612	10.181	ppbv	98
62) Isopropylbenzene	14.037	105	4500481	9.154	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.053	83	2123122	9.179	ppbv	99
64) n-propylbenzene	14.921	120	1194980	9.430	ppbv	98
65) tert-Butylbenzene	16.095	119	4000584	9.153	ppbv	98
66) Benzyl Chloride	16.333	91	304950	10.604	ppbv	97
67) sec-Butylbenzene	16.641	105	5593402	9.058	ppbv	99
69) p-Isopropyltoluene	17.001	119	4706161	9.248	ppbv	99
70) n-Butylbenzene	17.892	91	4853464	9.193	ppbv	99
71) 2-Chlorotoluene	14.805	91	3400409	9.037	ppbv	98
72) 4-Ethyltoluene	15.198	105	3592303	9.485	ppbv	99
73) 1,3,5-Trimethylbenzene	15.358	105	3141325	9.556	ppbv	100
74) 1,2,4-Trimethylbenzene	16.111	105	3450935	9.283	ppbv #	86
75) 1,3-Dichlorobenzene	16.336	146	2118570	9.708	ppbv	99
76) 1,4-Dichlorobenzene	16.481	146	2083409	9.554	ppbv	98
77) 1,2-Dichlorobenzene	17.149	146	2052625	9.396	ppbv	99
78) Hexachloro-1,3-Butadiene	22.638	225	1514210	8.458	ppbv	99
79) Naphthalene	21.387	128	3654870	11.330	ppbv	99
80) Naphthalene,2-methyl-	24.377	142	1055350	9.688	ppbv	98
81) 1,2,4-Trichlorobenzene	21.146	180	1800394	10.009	ppbv #	99

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

