

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL012424\
 Data File : VL041022.D
 Acq On : 24 Jan 2024 18:53
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 01/25/2024
 Supervised By :Semsettin Yesilyurt 01/25/2024

Quant Time: Jan 25 03:22:07 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL012324AIR.M

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

QLast Update : Thu Jan 25 03:13:06 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.169	49	1036295	10.000	ppbv	0.01
33) 1,4-Difluorobenzene	6.629	114	2543117	10.000	ppbv	0.01
55) Chlorobenzene-d5	11.439	117	2386793m	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.748 95 1924545 10.675 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 106.800%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.713	85	2137147	9.337	ppbv	98
3) Chlorodifluoromethane	2.658	51	1638583	9.401	ppbv	100
4) Chloromethane	2.796	50	614400	9.404	ppbv	96
5) Vinyl Chloride	2.902	62	650721	10.159	ppbv	99
6) Bromomethane	3.102	94	182405	6.540	ppbv	99
7) Chloroethane	3.179	64	220428	9.557	ppbv	99
8) Dichlorotetrafluoroethane	2.841	85	1617007	9.457	ppbv	98
9) Propene	2.677	41	527225	9.222	ppbv	96
10) Heptane	7.555	43	1357338	9.647	ppbv	100
11) Trichlorofluoromethane	3.542	101	1757552	9.530	ppbv	97
12) 1,1,2-Trichlorotrifluo...	4.044	101	1263170	9.450	ppbv	98
13) Ethanol	3.224	45	94014	6.900	ppbv	98
14) Bromoethene	3.349	108	493941	9.625	ppbv	97
15) Acetone	3.449	43	1195081	9.018	ppbv	97
16) 1,3-Butadiene	2.967	39	621751	9.808	ppbv	99
17) tert-Butyl alcohol	3.861	59	1010401	9.296	ppbv	99
18) 1,1-Dichloroethene	3.861	96	540208	9.440	ppbv	97
19) Isopropyl Alcohol	3.558	45	727866	9.488	ppbv	100
20) Methylene Chloride	3.912	84	442917	8.686	ppbv	99
21) Allyl Chloride	3.976	41	709129	8.807	ppbv	99
22) trans-1,2-Dichloroethene	4.423	96	574136	9.743	ppbv	98
23) Vinyl Acetate	4.607	43	1275962	9.341	ppbv	98
24) 1,1-Dichloroethane	4.542	63	1133986	9.358	ppbv	99
25) Ethyl Acetate	5.182	43	2246996	9.351	ppbv	99
26) Hexane	5.192	57	956134	9.335	ppbv	98
27) Carbon Disulfide	4.102	76	1361609	10.216	ppbv	99
28) Methyl tert-Butyl Ether	4.565	73	748222	8.802	ppbv	97
29) Chloroform	5.253	83	1704232	9.381	ppbv	98
30) Cyclohexane	6.578	84	834911	9.729	ppbv	99
31) cis-1,2-Dichloroethene	5.057	61	993816	10.338	ppbv	97
32) 1,1,1-Trichloroethane	5.979	97	1678700	9.668	ppbv	98
34) 2-Butanone	4.764	43	1228058	10.136	ppbv	100
35) Carbon Tetrachloride	6.471	117	1768901	10.431	ppbv	99
36) Benzene	6.349	78	2088737	9.945	ppbv	99
37) 1,2-Dichloroethane	5.783	62	1297914	10.126	ppbv	98
38) Trichloroethene	7.266	130	827664	9.829	ppbv	98
39) 1,2-Dichloropropane	7.050	63	810484	9.796	ppbv	94
40) 1,4-Dioxane	7.262	88	328765	9.567	ppbv	88
41) Tetrahydrofuran	5.533	42	829673	10.086	ppbv	99
42) Bromodichloromethane	7.227	83	1897154	10.345	ppbv	98
43) Methyl Methacrylate	7.449	69	854947	10.549	ppbv	97
44) 2,2,4-Trimethylpentane	7.301	57	3516684	9.951	ppbv	98
45) t-1,3-Dichloropropene	8.684	75	370329	6.687	ppbv	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.121	75	512020	7.414	ppbv	99
47) 1,1,2-Trichloroethane	8.873	97	891088	9.992	ppbv	99
48) Dibromochloromethane	9.687	129	1595569	10.582	ppbv	99
49) Bromoform	12.378	173	1292679	10.930	ppbv	99
50) 4-Methyl-2-Pentanone	8.156	43	2280222	10.687	ppbv	98
51) 2-Hexanone	9.526	43	1635465	10.634	ppbv #	100
52) Tetrachloroethene	10.590	164	696340	9.983	ppbv	97
53) Toluene	9.195	91	2393489	10.403	ppbv	100
54) 1,2-Dibromoethane	9.983	107	1151915	9.537	ppbv	100
56) 1,1,1,2-Tetrachloroethane	11.481	131	1159221	10.123	ppbv	97
57) Chlorobenzene	11.500	112	1865254	9.715	ppbv	98
58) Ethyl Benzene	12.060	91	3278220	10.228	ppbv	100
59) m/p-Xylene	12.339	91	5678488m	20.320	ppbv	
60) o-Xylene	13.031	91	2746425	10.243	ppbv	100
61) Styrene	12.870	104	1332627	10.824	ppbv	99
62) Isopropylbenzene	13.998	105	3974499	10.024	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.018	83	2067674	9.923	ppbv	98
64) n-propylbenzene	14.889	120	1028138	10.264	ppbv	98
65) tert-Butylbenzene	16.063	119	3486733	10.065	ppbv	98
66) Benzyl Chloride	16.301	91	120884m	5.325	ppbv	
67) sec-Butylbenzene	16.606	105	4969355	9.851	ppbv	99
69) p-Isopropyltoluene	16.966	119	3912466	10.013	ppbv	99
70) n-Butylbenzene	17.857	91	4245735	10.055	ppbv	99
71) 2-Chlorotoluene	14.770	91	3063506	10.013	ppbv	100
72) 4-Ethyltoluene	15.162	105	3098076	10.346	ppbv	98
73) 1,3,5-Trimethylbenzene	15.320	105	2709315	10.195	ppbv	99
74) 1,2,4-Trimethylbenzene	16.076	105	2981713	9.897	ppbv	94
75) 1,3-Dichlorobenzene	16.301	146	1664564	9.709	ppbv	99
76) 1,4-Dichlorobenzene	16.445	146	1593712	9.420	ppbv	99
77) 1,2-Dichlorobenzene	17.117	146	1623916m	9.529	ppbv	
78) Hexachloro-1,3-Butadiene	22.603	225	915895	8.334	ppbv	99
79) Naphthalene	21.352	128	1977898	11.509	ppbv	99
80) Naphthalene,2-methyl-	24.355	142	316909	10.499	ppbv	97
81) 1,2,4-Trichlorobenzene	21.111	180	974089	9.715	ppbv	99

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

