

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112124\
 Data File : VL041716.D
 Acq On : 21 Nov 2024 15:46
 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 : Semsettin Yesilyurt 11/22/2024
 Supervised By : Mahesh Dadoda 11/22/2024

Quant Time: Nov 22 01:08:50 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110724AIR.M

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

QLast Update : Fri Nov 22 01:00:55 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.230	49	1057651	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.693	114	2933077	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.503	117	2794086	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	13.812	95	2044697	9.932	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.300%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.767	85	1292249	6.760	ppbv	99
3) Chlorodifluoromethane	2.713	51	1279274	9.283	ppbv	99
4) Chloromethane	2.851	50	703210	9.634	ppbv	98
5) Vinyl Chloride	2.957	62	676535	10.303	ppbv	99
6) Bromomethane	3.160	94	287896	8.265	ppbv	99
7) Chloroethane	3.237	64	242562	10.122	ppbv	98
8) Dichlorotetrafluoroethane	2.896	85	1655808	9.703	ppbv	97
9) Propene	2.732	41	568529	9.468	ppbv	100
10) Heptane	7.616	43	1451664	10.789	ppbv	100
11) Trichlorofluoromethane	3.600	101	1598576	9.600	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.105	101	1200967	9.923	ppbv	99
13) Ethanol	3.285	45	19081m	5.190	ppbv	
14) Bromoethene	3.404	108	471023	9.681	ppbv	98
15) Acetone	3.507	43	1221603	9.385	ppbv	99
16) 1,3-Butadiene	3.021	39	670260	10.205	ppbv	99
17) tert-Butyl alcohol	3.915	59	1130521	9.897	ppbv	99
18) 1,1-Dichloroethene	3.918	96	528024	9.948	ppbv	91
19) Isopropyl Alcohol	3.613	45	630750	10.138	ppbv #	98
20) Methylene Chloride	3.970	84	438753	9.160	ppbv	97
21) Allyl Chloride	4.034	41	815920	10.144	ppbv	98
22) trans-1,2-Dichloroethene	4.484	96	535620	10.148	ppbv	98
23) Vinyl Acetate	4.664	43	726042	12.653	ppbv #	97
24) 1,1-Dichloroethane	4.600	63	1154395	9.799	ppbv	99
25) Ethyl Acetate	5.240	43	2588640	9.608	ppbv	99
26) Hexane	5.253	57	1044800	10.093	ppbv	97
27) Carbon Disulfide	4.163	76	1279183	10.999	ppbv	100
28) Methyl tert-Butyl Ether	4.623	73	626938	9.405	ppbv	100
29) Chloroform	5.314	83	1667143	9.757	ppbv	99
30) Cyclohexane	6.642	84	893628	10.138	ppbv	98
31) cis-1,2-Dichloroethene	5.118	61	995302	9.995	ppbv	99
32) 1,1,1-Trichloroethane	6.041	97	1637105	10.502	ppbv	100
34) 2-Butanone	4.822	43	1326267	9.081	ppbv	98
35) Carbon Tetrachloride	6.533	117	1696639	10.964	ppbv	99
36) Benzene	6.410	78	2247959	10.344	ppbv	99
37) 1,2-Dichloroethane	5.848	62	1267601	10.339	ppbv	100
38) Trichloroethene	7.330	130	1285707	15.404	ppbv	98
39) 1,2-Dichloropropane	7.111	63	860843	10.024	ppbv	97
40) 1,4-Dioxane	7.327	88	362339	11.759	ppbv	87
41) Tetrahydrofuran	5.594	42	889296	10.662	ppbv	99
42) Bromodichloromethane	7.288	83	1794888	10.535	ppbv	99
43) Methyl Methacrylate	7.510	69	861885	11.295	ppbv	97
44) 2,2,4-Trimethylpentane	7.365	57	3803122	10.331	ppbv	100
45) t-1,3-Dichloropropene	8.748	75	730997	10.484	ppbv	96

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.179	75	1076550	10.750	ppbv	100
47) 1,1,2-Trichloroethane	8.938	97	940621	10.120	ppbv	98
48) Dibromochloromethane	9.748	129	1537701	10.883	ppbv	100
49) Bromoform	12.445	173	1348848	11.157	ppbv	99
50) 4-Methyl-2-Pentanone	8.217	43	2487875	11.096	ppbv	99
51) 2-Hexanone	9.587	43	1928715	11.813	ppbv	99
52) Tetrachloroethene	10.655	164	822968	11.112	ppbv	98
53) Toluene	9.259	91	2575431	11.269	ppbv	100
54) 1,2-Dibromoethane	10.050	107	1226683	11.296	ppbv	99
56) 1,1,1,2-Tetrachloroethane	11.545	131	1153543	10.010	ppbv	99
57) Chlorobenzene	11.564	112	2056508	9.952	ppbv	99
58) Ethyl Benzene	12.127	91	3526421	11.512	ppbv	98
59) m/p-Xylene	12.410	91	6056978m	22.081	ppbv	
60) o-Xylene	13.095	91	2939812	11.239	ppbv	100
61) Styrene	12.934	104	1390368	12.879	ppbv	99
62) Isopropylbenzene	14.066	105	4212885	10.429	ppbv	100
63) 1,1,1,2-Tetrachloroethane	13.085	83	1192554	6.198	ppbv	100
64) n-propylbenzene	14.950	120	1137229	10.754	ppbv	97
65) tert-Butylbenzene	16.127	119	3802509	10.473	ppbv	100
66) Benzyl Chloride	16.365	91	196066m	7.020	ppbv	
67) sec-Butylbenzene	16.674	105	5361203	10.476	ppbv	100
69) p-Isopropyltoluene	17.031	119	4453669	10.765	ppbv	100
70) n-Butylbenzene	17.921	91	4594843	10.855	ppbv	100
71) 2-Chlorotoluene	14.834	91	3205329	10.977	ppbv	100
72) 4-Ethyltoluene	15.230	105	3485346	11.461	ppbv	99
73) 1,3,5-Trimethylbenzene	15.387	105	2994754	11.222	ppbv	100
74) 1,2,4-Trimethylbenzene	16.143	105	3339224	10.773	ppbv	99
75) 1,3-Dichlorobenzene	16.365	146	2043094	10.643	ppbv	100
76) 1,4-Dichlorobenzene	16.510	146	1992823	10.759	ppbv	99
77) 1,2-Dichlorobenzene	17.178	146	2007849	10.558	ppbv	100
78) Hexachloro-1,3-Butadiene	22.673	225	1396945	9.288	ppbv	100
79) Naphthalene	21.423	128	2826909	14.775	ppbv	99
80) Naphthalene,2-methyl-	24.403	142	1349060	32.345	ppbv	99
81) 1,2,4-Trichlorobenzene	21.178	180	1464975	12.175	ppbv	100

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

