

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050924\
 Data File : VL041249.D
 Acq On : 9 May 2024 8:46
 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 05/10/2024
 Supervised By : Mahesh Dadoda 05/10/2024

Quant Time: May 10 01:11:21 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL042924AIR.M

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

QLast Update : Fri May 10 01:10:17 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.205	49	820930	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.668	114	2179271	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.481	117	2195261m	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.786 95 1599972 9.654 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 96.500%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.745	85	1236433	11.135	ppbv	100
3) Chlorodifluoromethane	2.690	51	1344289	10.782	ppbv	99
4) Chloromethane	2.828	50	508951	10.403	ppbv	96
5) Vinyl Chloride	2.935	62	521176	10.604	ppbv	99
6) Bromomethane	3.134	94	192304	10.724	ppbv	92
7) Chloroethane	3.214	64	177317	10.219	ppbv	98
8) Dichlorotetrafluoroethane	2.873	85	1264611	11.003	ppbv	98
9) Propene	2.710	41	458690	9.401	ppbv	95
10) Heptane	7.597	43	1180358	9.985	ppbv	99
11) Trichlorofluoromethane	3.578	101	1295702	11.481	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.079	101	908142	10.882	ppbv	99
13) Ethanol	3.256	45	119566m	10.931	ppbv	
14) Bromoethene	3.382	108	374656	10.878	ppbv	99
15) Acetone	3.481	43	968339	9.995	ppbv	97
16) 1,3-Butadiene	2.999	39	529276	10.822	ppbv	98
17) tert-Butyl alcohol	3.890	59	941173	9.005	ppbv	99
18) 1,1-Dichloroethene	3.896	96	404122	10.860	ppbv	100
19) Isopropyl Alcohol	3.591	45	680982	10.712	ppbv #	45
20) Methylene Chloride	3.947	84	336562	9.990	ppbv	93
21) Allyl Chloride	4.012	41	640458	10.138	ppbv	96
22) trans-1,2-Dichloroethene	4.462	96	436434	11.278	ppbv	98
23) Vinyl Acetate	4.639	43	1118175	10.481	ppbv	99
24) 1,1-Dichloroethane	4.578	63	899275	10.840	ppbv	99
25) Ethyl Acetate	5.221	43	1975899	10.218	ppbv	99
26) Hexane	5.227	57	861763	9.986	ppbv	99
27) Carbon Disulfide	4.140	76	1098605	10.754	ppbv	97
28) Methyl tert-Butyl Ether	4.600	73	661617	9.629	ppbv	100
29) Chloroform	5.288	83	1346439	11.310	ppbv	98
30) Cyclohexane	6.616	84	719501	10.533	ppbv	98
31) cis-1,2-Dichloroethene	5.095	61	861827	10.668	ppbv	93
32) 1,1,1-Trichloroethane	6.018	97	1338829	11.271	ppbv	99
34) 2-Butanone	4.799	43	1067522	9.624	ppbv	99
35) Carbon Tetrachloride	6.510	117	1375094	11.243	ppbv	97
36) Benzene	6.385	78	1828785	10.000	ppbv	100
37) 1,2-Dichloroethane	5.822	62	1053250	11.038	ppbv	99
38) Trichloroethene	7.307	130	710622	10.427	ppbv	96
39) 1,2-Dichloropropane	7.089	63	698098	9.905	ppbv	96
40) 1,4-Dioxane	7.298	88	271241	10.772	ppbv	94
41) Tetrahydrofuran	5.571	42	749610	9.335	ppbv	99
42) Bromodichloromethane	7.262	83	1513059	11.056	ppbv	98
43) Methyl Methacrylate	7.487	69	727418	9.834	ppbv	96
44) 2,2,4-Trimethylpentane	7.340	57	3071786	9.742	ppbv	100
45) t-1,3-Dichloropropene	8.722	75	565420	10.549	ppbv	96

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.156	75	673402	10.262	ppbv	98
47) 1,1,2-Trichloroethane	8.915	97	749348	10.622	ppbv	99
48) Dibromochloromethane	9.725	129	1271834	11.315	ppbv	100
49) Bromoform	12.420	173	1059899	11.085	ppbv	99
50) 4-Methyl-2-Pentanone	8.195	43	1929006	9.691	ppbv	100
51) 2-Hexanone	9.565	43	1418637	9.608	ppbv #	97
52) Tetrachloroethene	10.629	164	644730	10.030	ppbv	97
53) Toluene	9.233	91	2140627	10.095	ppbv	100
54) 1,2-Dibromoethane	10.021	107	1052284	11.013	ppbv	100
56) 1,1,1,2-Tetrachloroethane	11.523	131	932697	10.478	ppbv	95
57) Chlorobenzene	11.542	112	1597192	9.935	ppbv	99
58) Ethyl Benzene	12.101	91	2876713	9.557	ppbv	98
59) m/p-Xylene	12.384	91	4891888m	19.336	ppbv	
60) o-Xylene	13.069	91	2306052	9.724	ppbv	100
61) Styrene	12.908	104	1265553	10.102	ppbv	98
62) Isopropylbenzene	14.043	105	3439295	9.696	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.060	83	1605625	9.933	ppbv	99
64) n-propylbenzene	14.931	120	899768	10.167	ppbv	97
65) tert-Butylbenzene	16.101	119	3031786	9.543	ppbv	100
66) Benzyl Chloride	16.346	91	261266m	7.265	ppbv	
67) sec-Butylbenzene	16.648	105	4303083	9.622	ppbv	99
69) p-Isopropyltoluene	17.008	119	3581459	9.717	ppbv	100
70) n-Butylbenzene	17.899	91	3742533	9.723	ppbv	99
71) 2-Chlorotoluene	14.812	91	2641930	9.782	ppbv	98
72) 4-Ethyltoluene	15.207	105	2740169	10.201	ppbv	99
73) 1,3,5-Trimethylbenzene	15.365	105	2427565	9.988	ppbv	99
74) 1,2,4-Trimethylbenzene	16.121	105	2620017	9.871	ppbv	97
75) 1,3-Dichlorobenzene	16.342	146	1567052	10.296	ppbv	99
76) 1,4-Dichlorobenzene	16.484	146	1537184	10.502	ppbv	100
77) 1,2-Dichlorobenzene	17.159	146	1503936	9.885	ppbv	99
78) Hexachloro-1,3-Butadiene	22.648	225	1073809	7.941	ppbv	99
79) Naphthalene	21.400	128	2621234	10.370	ppbv	99
80) Naphthalene,2-methyl-	24.387	142	781850	7.689	ppbv	98
81) 1,2,4-Trichlorobenzene	21.153	180	1261621	9.453	ppbv	100

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

