

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101424\
 Data File : VL041660.D
 Acq On : 14 Oct 2024 9:43
 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 10/15/2024
 Supervised By :Mahesh Dadoda 10/15/2024

Quant Time: Oct 15 02:38:21 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091624AIR.M

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

QLast Update : Tue Sep 17 09:12:21 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.201	49	1139050	10.000	ppbv	0.03
33) 1,4-Difluorobenzene	6.671	114	3098402	10.000	ppbv	0.04
55) Chlorobenzene-d5	11.491	117	3033567	10.000	ppbv	0.05

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.799 95 2208698 9.891 ppbv 0.05
 Spiked Amount 10.000 Range 65 - 135 Recovery = 98.900%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.726	85	1287579	7.827	ppbv	99
3) Chlorodifluoromethane	2.668	51	1359492	9.840	ppbv	99
4) Chloromethane	2.809	50	754633	9.931	ppbv	96
5) Vinyl Chloride	2.915	62	733569	11.149	ppbv	100
6) Bromomethane	3.115	94	281384	8.596	ppbv	98
7) Chloroethane	3.195	64	259953	10.159	ppbv	98
8) Dichlorotetrafluoroethane	2.851	85	1730383	10.028	ppbv	99
9) Propene	2.687	41	653601	11.216	ppbv	100
10) Heptane	7.597	43	1554594	11.394	ppbv	100
11) Trichlorofluoromethane	3.562	101	1689077	9.649	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.070	101	1265757	9.984	ppbv	99
13) Ethanol	3.243	45	25933m	5.919	ppbv	
14) Bromoethene	3.365	108	516546	10.745	ppbv	99
15) Acetone	3.468	43	1299921	9.090	ppbv	100
16) 1,3-Butadiene	2.983	39	734455	10.559	ppbv	99
17) tert-Butyl alcohol	3.880	59	1332556	10.596	ppbv	99
18) 1,1-Dichloroethene	3.883	96	567989	10.583	ppbv	98
19) Isopropyl Alcohol	3.578	45	754520	10.307	ppbv	99
20) Methylene Chloride	3.935	84	454891	8.467	ppbv	96
21) Allyl Chloride	3.999	41	908373	10.960	ppbv	99
22) trans-1,2-Dichloroethene	4.452	96	565315	10.559	ppbv	100
23) Vinyl Acetate	4.635	43	966869	12.292	ppbv #	98
24) 1,1-Dichloroethane	4.571	63	1246647	10.559	ppbv	99
25) Ethyl Acetate	5.214	43	2782394	10.838	ppbv	100
26) Hexane	5.221	57	1163508	10.868	ppbv	97
27) Carbon Disulfide	4.127	76	1356524	11.920	ppbv	99
28) Methyl tert-Butyl Ether	4.594	73	721141	10.925	ppbv	100
29) Chloroform	5.288	83	1749654	9.987	ppbv	97
30) Cyclohexane	6.616	84	959853	11.631	ppbv	99
31) cis-1,2-Dichloroethene	5.089	61	1094693	10.771	ppbv	98
32) 1,1,1-Trichloroethane	6.015	97	1715729	10.995	ppbv	99
34) 2-Butanone	4.796	43	1483922	10.044	ppbv	99
35) Carbon Tetrachloride	6.510	117	1753896	11.537	ppbv	98
36) Benzene	6.385	78	2426961	11.279	ppbv	99
37) 1,2-Dichloroethane	5.822	62	1320644	10.578	ppbv	99
38) Trichloroethene	7.311	130	1180521	10.653	ppbv	98
39) 1,2-Dichloropropane	7.092	63	948760	10.838	ppbv	100
40) 1,4-Dioxane	7.304	88	376944	11.423	ppbv #	100
41) Tetrahydrofuran	5.568	42	1015739	12.493	ppbv	98
42) Bromodichloromethane	7.269	83	1881537	10.832	ppbv	99
43) Methyl Methacrylate	7.491	69	943145	12.248	ppbv	100
44) 2,2,4-Trimethylpentane	7.346	57	4090203	10.987	ppbv	100
45) t-1,3-Dichloropropene	8.729	75	720472	11.605	ppbv	99

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QLast Update : Tue Sep 17 09:12:21 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.163	75	1040833	11.444	ppbv	99
47) 1,1,2-Trichloroethane	8.918	97	977523	10.517	ppbv	97
48) Dibromochloromethane	9.732	129	1583619	11.245	ppbv	99
49) Bromoform	12.429	173	1364123	11.284	ppbv	99
50) 4-Methyl-2-Pentanone	8.198	43	2676056	11.729	ppbv	100
51) 2-Hexanone	9.568	43	2120806	12.289	ppbv	99
52) Tetrachloroethene	10.635	164	876267	11.246	ppbv	98
53) Toluene	9.243	91	2746651	12.025	ppbv	100
54) 1,2-Dibromoethane	10.031	107	1315299	11.491	ppbv	97
56) 1,1,1,2-Tetrachloroethane	11.532	131	1179827	9.961	ppbv	98
57) Chlorobenzene	11.552	112	2095164	9.579	ppbv	99
58) Ethyl Benzene	12.111	91	3656350	11.259	ppbv	99
59) m/p-Xylene	12.394	91	6168384m	21.342	ppbv	
60) o-Xylene	13.085	91	2959365	10.680	ppbv	99
61) Styrene	12.921	104	1423375	12.295	ppbv	100
62) Isopropylbenzene	14.053	105	4313712	10.275	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.069	83	1527720	10.783	ppbv	99
64) n-propylbenzene	14.941	120	1151763	10.623	ppbv	99
65) tert-Butylbenzene	16.114	119	3846358	9.995	ppbv	100
66) Benzyl Chloride	16.349	91	202012	10.098	ppbv	99
67) sec-Butylbenzene	16.661	105	5377834	10.073	ppbv	100
69) p-Isopropyltoluene	17.021	119	4463259	10.328	ppbv	100
70) n-Butylbenzene	17.911	91	4587597	10.134	ppbv	100
71) 2-Chlorotoluene	14.828	91	3227785	10.450	ppbv	99
72) 4-Ethyltoluene	15.217	105	3522903	10.876	ppbv	99
73) 1,3,5-Trimethylbenzene	15.378	105	3015731	10.544	ppbv	96
74) 1,2,4-Trimethylbenzene	16.133	105	3335754	9.964	ppbv	97
75) 1,3-Dichlorobenzene	16.355	146	2005347	9.558	ppbv	100
76) 1,4-Dichlorobenzene	16.497	146	1924339	9.571	ppbv	100
77) 1,2-Dichlorobenzene	17.166	146	1941181	9.372	ppbv	99
78) Hexachloro-1,3-Butadiene	22.660	225	1360072	7.960	ppbv	99
79) Naphthalene	21.410	128	2595328	10.533	ppbv	99
80) Naphthalene,2-methyl-	24.394	142	895271	5.185	ppbv	99
81) 1,2,4-Trichlorobenzene	21.165	180	1390542	8.877	ppbv	99

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

