

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101024\
 Data File : VL041634.D
 Acq On : 10 Oct 2024 9:09
 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 10/11/2024
 Supervised By :Mahesh Dadoda 10/14/2024

Quant Time: Oct 11 05:35:58 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	5.176	49	1116594	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.642	114	3049006	10.000	ppbv	0.01
55) Chlorobenzene-d5	11.455	117	2937125m	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.767 95 2153273 9.959 ppbv 0.02
 Spiked Amount 10.000 Range 65 - 135 Recovery = 99.600%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.706	85	1130095	7.008	ppbv	97
3) Chlorodifluoromethane	2.648	51	1289856	9.524	ppbv	100
4) Chloromethane	2.787	50	712630	9.567	ppbv	97
5) Vinyl Chloride	2.896	62	691965	10.728	ppbv	97
6) Bromomethane	3.095	94	322241	10.042	ppbv	98
7) Chloroethane	3.172	64	246733	9.836	ppbv	98
8) Dichlorotetrafluoroethane	2.832	85	1655253	9.786	ppbv	100
9) Propene	2.668	41	599061	10.487	ppbv	100
10) Heptane	7.565	43	1495305	11.180	ppbv	99
11) Trichlorofluoromethane	3.539	101	1646387	9.595	ppbv	97
12) 1,1,2-Trichlorotrifluo...	4.044	101	1250671	10.064	ppbv	100
13) Ethanol	3.227	45	20300m	4.727	ppbv	
14) Bromoethene	3.343	108	495061	10.506	ppbv	99
15) Acetone	3.446	43	1249396	8.913	ppbv	99
16) 1,3-Butadiene	2.960	39	676168	9.917	ppbv	99
17) tert-Butyl alcohol	3.857	59	1191946	9.668	ppbv	100
18) 1,1-Dichloroethene	3.857	96	551572	10.484	ppbv	98
19) Isopropyl Alcohol	3.555	45	615386	8.575	ppbv #	96
20) Methylene Chloride	3.912	84	464409	8.818	ppbv	95
21) Allyl Chloride	3.976	41	865624	10.654	ppbv	99
22) trans-1,2-Dichloroethene	4.426	96	570828	10.876	ppbv	99
23) Vinyl Acetate	4.606	43	903279	11.715	ppbv	99
24) 1,1-Dichloroethane	4.545	63	1207986	10.438	ppbv	99
25) Ethyl Acetate	5.188	43	2682283	10.659	ppbv	100
26) Hexane	5.195	57	1086351	10.351	ppbv	99
27) Carbon Disulfide	4.102	76	1341344	12.023	ppbv	100
28) Methyl tert-Butyl Ether	4.568	73	708228	10.946	ppbv	100
29) Chloroform	5.259	83	1696517	9.878	ppbv	97
30) Cyclohexane	6.584	84	922809	11.407	ppbv	99
31) cis-1,2-Dichloroethene	5.060	61	1042609	10.464	ppbv	98
32) 1,1,1-Trichloroethane	5.986	97	1677460	10.966	ppbv	99
34) 2-Butanone	4.767	43	1384558	9.523	ppbv	100
35) Carbon Tetrachloride	6.478	117	1727708	11.549	ppbv	98
36) Benzene	6.356	78	2326680	10.988	ppbv	99
37) 1,2-Dichloroethane	5.793	62	1288313	10.486	ppbv	99
38) Trichloroethene	7.278	130	1219672	11.185	ppbv	98
39) 1,2-Dichloropropane	7.063	63	892988	10.366	ppbv	97
40) 1,4-Dioxane	7.269	88	361348	11.128	ppbv #	100
41) Tetrahydrofuran	5.542	42	947912	11.848	ppbv	99
42) Bromodichloromethane	7.237	83	1859423	10.878	ppbv	100
43) Methyl Methacrylate	7.462	69	903456	11.923	ppbv	100
44) 2,2,4-Trimethylpentane	7.314	57	3921613	10.705	ppbv	99
45) t-1,3-Dichloropropene	8.696	75	810834	13.272	ppbv	100

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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	8.130	75	1141894	12.758	ppbv	98
47) 1,1,2-Trichloroethane	8.889	97	963782	10.537	ppbv	97
48) Dibromochloromethane	9.700	129	1581721	11.414	ppbv	100
49) Bromoform	12.397	173	1388441	11.672	ppbv	99
50) 4-Methyl-2-Pentanone	8.169	43	2588139	11.527	ppbv	99
51) 2-Hexanone	9.539	43	2045371	12.044	ppbv	100
52) Tetrachloroethene	10.606	164	862099	11.244	ppbv	98
53) Toluene	9.208	91	2687659	11.957	ppbv	100
54) 1,2-Dibromoethane	9.999	107	1301261	11.553	ppbv	98
56) 1,1,1,2-Tetrachloroethane	11.497	131	1180950	10.298	ppbv	97
57) Chlorobenzene	11.516	112	2110229	9.965	ppbv	99
58) Ethyl Benzene	12.079	91	3626835	11.535	ppbv	98
59) m/p-Xylene	12.359	91	6144139m	21.956	ppbv	
60) o-Xylene	13.050	91	2979311	11.105	ppbv	99
61) Styrene	12.886	104	1447771	12.917	ppbv	100
62) Isopropylbenzene	14.021	105	4288010	10.549	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.037	83	1419171	10.346	ppbv	100
64) n-propylbenzene	14.905	120	1149141	10.947	ppbv	99
65) tert-Butylbenzene	16.082	119	3860758	10.362	ppbv	100
66) Benzyl Chloride	16.313	91	231952m	11.975	ppbv	
67) sec-Butylbenzene	16.625	105	5435465	10.515	ppbv	100
69) p-Isopropyltoluene	16.985	119	4506632	10.771	ppbv	100
70) n-Butylbenzene	17.876	91	4657271	10.625	ppbv	100
71) 2-Chlorotoluene	14.793	91	3245934	10.853	ppbv	99
72) 4-Ethyltoluene	15.182	105	3525876	11.243	ppbv	99
73) 1,3,5-Trimethylbenzene	15.342	105	3026720	10.930	ppbv	97
74) 1,2,4-Trimethylbenzene	16.098	105	3379945	10.427	ppbv	99
75) 1,3-Dichlorobenzene	16.323	146	2062210	10.152	ppbv	99
76) 1,4-Dichlorobenzene	16.465	146	2004245	10.296	ppbv	99
77) 1,2-Dichlorobenzene	17.137	146	2006325	10.004	ppbv	99
78) Hexachloro-1,3-Butadiene	22.622	225	1423756	8.606	ppbv	100
79) Naphthalene	21.374	128	2824673	11.841	ppbv	98
80) Naphthalene,2-methyl-	24.368	142	1241942	7.430	ppbv	99
81) 1,2,4-Trichlorobenzene	21.133	180	1466922	9.672	ppbv	99

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

