

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL120122\
 Data File : VL039936.D
 Acq On : 1 Dec 2022 9:19
 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 12/02/2022
 Supervised By : Mahesh Dadoda 12/05/2022

Quant Time: Dec 02 05:22:34 2022

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111822AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2022

QLast Update : Tue Nov 22 03:45:31 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.173	49	1130019	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	6.635	114	3142459	10.000	ppbv	0.02
55) Chlorobenzene-d5	11.452	117	2940833m	10.000	ppbv	0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.764 95 2212480 9.850 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 98.500%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.710	85	1942408	12.002	ppbv	95
3) Chlorodifluoromethane	2.655	51	1364994	8.754	ppbv	98
4) Chloromethane	2.790	50	865084	8.682	ppbv	99
5) Vinyl Chloride	2.899	62	754354	9.688	ppbv	99
6) Bromomethane	3.099	94	252844	9.520	ppbv	99
7) Chloroethane	3.176	64	267577	8.694	ppbv	99
8) Dichlorotetrafluoroethane	2.835	85	1775320	9.607	ppbv	100
9) Propene	2.671	41	628545	8.557	ppbv	99
10) Heptane	7.565	43	1563344	8.820	ppbv	99
11) Trichlorofluoromethane	3.542	101	1789713	9.066	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.047	101	1380400	9.239	ppbv	97
13) Ethanol	3.227	45	45572m	8.126	ppbv	
14) Bromoethene	3.346	108	562539	9.655	ppbv	99
15) Acetone	3.446	43	1312713	8.758	ppbv	97
16) 1,3-Butadiene	2.964	39	671616	8.991	ppbv	98
17) tert-Butyl alcohol	3.857	59	1505487	8.736	ppbv	100
18) 1,1-Dichloroethene	3.861	96	621221	9.115	ppbv	96
19) Isopropyl Alcohol	3.555	45	734573	9.052	ppbv #	31
20) Methylene Chloride	3.912	84	537296	7.399	ppbv	96
21) Allyl Chloride	3.976	41	957980	9.214	ppbv	100
22) trans-1,2-Dichloroethene	4.427	96	648310	9.354	ppbv	98
23) Vinyl Acetate	4.607	43	585344m	9.506	ppbv	
24) 1,1-Dichloroethane	4.542	63	1336613	9.003	ppbv	99
25) Ethyl Acetate	5.185	43	2740706	9.959	ppbv	100
26) Hexane	5.195	57	1194364	9.935	ppbv	98
27) Carbon Disulfide	4.105	76	1601557	10.552	ppbv	98
28) Methyl tert-Butyl Ether	4.565	73	1337287	8.885	ppbv	100
29) Chloroform	5.256	83	1860933	11.648	ppbv	99
30) Cyclohexane	6.584	84	1049914	8.900	ppbv	96
31) cis-1,2-Dichloroethene	5.057	61	1040786	9.371	ppbv	98
32) 1,1,1-Trichloroethane	5.983	97	1940162	9.724	ppbv	99
34) 2-Butanone	4.767	43	1521879	10.121	ppbv	98
35) Carbon Tetrachloride	6.478	117	1985468	11.125	ppbv	99
36) Benzene	6.353	78	2580912	9.662	ppbv	100
37) 1,2-Dichloroethane	5.787	62	1464872	10.008	ppbv	100
38) Trichloroethene	7.275	130	1473187	9.866	ppbv	99
39) 1,2-Dichloropropane	7.057	63	984676	9.462	ppbv	99
40) 1,4-Dioxane	7.272	88	421027	10.156	ppbv	87
41) Tetrahydrofuran	5.539	42	1037396	9.993	ppbv	99
42) Bromodichloromethane	7.234	83	2144056	10.801	ppbv	100
43) Methyl Methacrylate	7.459	69	1059976	10.122	ppbv	98
44) 2,2,4-Trimethylpentane	7.311	57	4217051	9.457	ppbv	100
45) t-1,3-Dichloropropene	8.693	75	1077266	11.134	ppbv	100

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QLast Update : Tue Nov 22 03:45:31 2022

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.127	75	1398281	10.432	ppbv	98
47) 1,1,2-Trichloroethane	8.883	97	1063299	9.942	ppbv	98
48) Dibromochloromethane	9.696	129	1834699	11.712	ppbv	100
49) Bromoform	12.397	173	1503263	11.855	ppbv	100
50) 4-Methyl-2-Pentanone	8.166	43	2624553	9.746	ppbv	100
51) 2-Hexanone	9.539	43	2090106	9.998	ppbv #	100
52) Tetrachloroethene	10.603	164	919795	9.205	ppbv	95
53) Toluene	9.204	91	2985634	9.812	ppbv	100
54) 1,2-Dibromoethane	9.995	107	1242585	10.887	ppbv	98
56) 1,1,1,2-Tetrachloroethane	11.497	131	1290120	10.732	ppbv	96
57) Chlorobenzene	11.513	112	2299315	10.226	ppbv	97
58) Ethyl Benzene	12.076	91	3994564	10.012	ppbv	99
59) m/p-Xylene	12.359	91	6735352m	20.170	ppbv	
60) o-Xylene	13.047	91	3191021	10.021	ppbv	100
61) Styrene	12.889	104	2006519	10.556	ppbv	99
62) Isopropylbenzene	14.018	105	4628006	10.078	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.034	83	1105229	10.394	ppbv	99
64) n-propylbenzene	14.905	120	1222617	10.178	ppbv	95
65) tert-Butylbenzene	16.079	119	4015836	9.996	ppbv	99
66) Benzyl Chloride	16.317	91	379665	11.028	ppbv	97
67) sec-Butylbenzene	16.625	105	5567994	10.080	ppbv	98
69) p-Isopropyltoluene	16.986	119	4584846	10.076	ppbv	98
70) n-Butylbenzene	17.876	91	4587214	10.169	ppbv	99
71) 2-Chlorotoluene	14.789	91	3511848	10.089	ppbv	98
72) 4-Ethyltoluene	15.182	105	3745463	10.464	ppbv	99
73) 1,3,5-Trimethylbenzene	15.343	105	3332051	10.169	ppbv	99
74) 1,2,4-Trimethylbenzene	16.098	105	3537161	10.196	ppbv	96
75) 1,3-Dichlorobenzene	16.323	146	1998487	10.239	ppbv	99
76) 1,4-Dichlorobenzene	16.468	146	1947768	10.066	ppbv	98
77) 1,2-Dichlorobenzene	17.130	146	1921126	10.209	ppbv	99
78) Hexachloro-1,3-Butadiene	22.619	225	1130624m	8.659	ppbv	
79) Naphthalene	21.371	128	2266432	10.916	ppbv	99
80) Naphthalene,2-methyl-	24.371	142	650792	11.145	ppbv	96
81) 1,2,4-Trichlorobenzene	21.127	180	1238304	9.658	ppbv	99

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

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