

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022222\
 Data File : VL038381.D
 Acq On : 22 Feb 2022 7:56
 Operator : SY/AP
 Sample : VSTDIC015
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 02/23/2022
 Supervised By : Amit Patel 02/23/2022

Quant Time: Feb 22 08:28:45 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL022222AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Feb 22 08:28:45 2022

QLast Update : Tue Feb 22 07:53:26 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.648	49	939655	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.153	114	2346058	10.000	ppbv	0.00
55) Chlorobenzene-d5	12.060	117	2224146m	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.384 95 1928372 11.337 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 113.400%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.041	85	1677132	8.916	ppbv	98
3) Chlorodifluoromethane	2.980	51	2265268	12.446	ppbv	100
4) Chloromethane	3.131	50	808134	12.889	ppbv	100
5) Vinyl Chloride	3.250	62	810944	12.790	ppbv	98
6) Bromomethane	3.462	94	452016	13.449	ppbv	93
7) Chloroethane	3.546	64	293163	13.905	ppbv	98
8) Dichlorotetrafluoroethane	3.179	85	1875259	12.399	ppbv	99
9) Propene	3.002	41	767441	12.984	ppbv	99
10) Heptane	8.099	43	1971197	12.942	ppbv	99
11) Trichlorofluoromethane	3.938	101	1985288	13.072	ppbv	95
12) 1,1,2-Trichlorotrifluo...	4.472	101	1473216	12.838	ppbv	100
13) Ethanol	3.597	45	66147	10.876	ppbv	95
14) Bromoethene	3.729	108	599981	13.361	ppbv	100
15) Acetone	3.835	43	1018003	12.456	ppbv	100
16) 1,3-Butadiene	3.317	39	796350	13.666	ppbv	98
17) tert-Butyl alcohol	4.272	59	1089653	12.389	ppbv	100
18) 1,1-Dichloroethene	4.276	96	650099	13.098	ppbv	100
19) Isopropyl Alcohol	3.951	45	619992	12.292	ppbv	100
20) Methylene Chloride	4.327	84	540144	11.552	ppbv	96
21) Allyl Chloride	4.398	41	991268	13.955	ppbv	99
22) trans-1,2-Dichloroethene	4.867	96	703309	13.653	ppbv	96
23) Vinyl Acetate	5.054	43	1576174	13.489	ppbv	99
24) 1,1-Dichloroethane	4.993	63	1365495	13.103	ppbv	100
25) Ethyl Acetate	5.658	43	3037101	13.241	ppbv	99
26) Hexane	5.668	57	1387941	13.079	ppbv	98
27) Carbon Disulfide	4.533	76	1644704	13.525	ppbv	98
28) Methyl tert-Butyl Ether	5.015	73	1426199	13.116	ppbv	99
29) Chloroform	5.735	83	2269696	13.128	ppbv	100
30) Cyclohexane	7.111	84	1180025	13.017	ppbv	97
31) cis-1,2-Dichloroethene	5.530	61	1395069	14.403	ppbv	96
32) 1,1,1-Trichloroethane	6.491	97	2262111	13.108	ppbv	99
34) 2-Butanone	5.227	43	1091350	14.090	ppbv	99
35) Carbon Tetrachloride	6.999	117	2368725	14.346	ppbv	98
36) Benzene	6.870	78	2959785	14.198	ppbv	99
37) 1,2-Dichloroethane	6.285	62	1750375	14.653	ppbv	100
38) Trichloroethene	7.812	130	1064266	13.743	ppbv	97
39) 1,2-Dichloropropane	7.587	63	1184556	14.091	ppbv	98
40) 1,4-Dioxane	7.809	88	261407	12.775	ppbv #	1
41) Tetrahydrofuran	6.031	42	762460	14.684	ppbv	99
42) Bromodichloromethane	7.767	83	2525112	14.249	ppbv	98
43) Methyl Methacrylate	7.989	69	1130792	15.367	ppbv	99
44) 2,2,4-Trimethylpentane	7.848	57	4860782	13.254	ppbv	99
45) t-1,3-Dichloropropene	9.253	75	1045193	17.594	ppbv	99

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.677	75	1274302	16.030	ppbv	99
47) 1,1,2-Trichloroethane	9.449	97	1190904	14.291	ppbv	98
48) Dibromochloromethane	10.279	129	2084505	14.877	ppbv	99
49) Bromoform	13.015	173	1594341	15.566	ppbv	97
50) 4-Methyl-2-Pentanone	8.716	43	2036705	14.780	ppbv	98
51) 2-Hexanone	10.108	43	979997	16.095	ppbv #	100
52) Tetrachloroethene	11.195	164	981184	13.683	ppbv	98
53) Toluene	9.780	91	3357135	14.596	ppbv	100
54) 1,2-Dibromoethane	10.584	107	1785351	15.094	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.098	131	1327304	13.644	ppbv #	70
57) Chlorobenzene	12.121	112	2409229	13.592	ppbv	98
58) Ethyl Benzene	12.680	91	4467932	13.718	ppbv	100
59) m/p-Xylene	12.970	91	7554437m	27.110	ppbv	
60) o-Xylene	13.667	91	3584321	13.800	ppbv	98
61) Styrene	13.500	104	1902191	15.725	ppbv	99
62) Isopropylbenzene	14.638	105	4770154	13.755	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.648	83	2646613	13.623	ppbv	100
64) n-propylbenzene	15.532	120	1253179	14.892	ppbv	99
65) tert-Butylbenzene	16.719	119	4184727	14.451	ppbv	98
66) Benzyl Chloride	16.957	91	317476	23.360	ppbv	99
67) sec-Butylbenzene	17.265	105	5897569	14.596	ppbv	100
69) p-Isopropyltoluene	17.625	119	4858102	15.545	ppbv	100
70) n-Butylbenzene	18.519	91	5099540	16.433	ppbv	99
71) 2-Chlorotoluene	15.423	91	3722296	14.332	ppbv	98
72) 4-Ethyltoluene	15.812	105	4266758	15.468	ppbv	99
73) 1,3,5-Trimethylbenzene	15.970	105	3750692	15.069	ppbv	97
74) 1,2,4-Trimethylbenzene	16.735	105	3918375	14.886	ppbv	95
75) 1,3-Dichlorobenzene	16.966	146	2239514	15.716	ppbv	100
76) 1,4-Dichlorobenzene	17.108	146	2183222	15.861	ppbv	100
77) 1,2-Dichlorobenzene	17.786	146	2136664	16.014	ppbv	99
78) Hexachloro-1,3-Butadiene	23.342	225	1430527	15.352	ppbv	99
79) Naphthalene	22.156	128	2833740	22.288	ppbv	100
80) Naphthalene,2-methyl-	24.947	142	784578	48.351	ppbv	99
81) 1,2,4-Trichlorobenzene	21.886	180	1547772	20.557	ppbv	99

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

