

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022222\
 Data File : VL038403.D
 Acq On : 23 Feb 2022 00:43
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 02/25/2022
 Supervised By : Mahesh Dadoda 02/25/2022

Quant Time: Feb 23 07:09:27 2022

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Feb 23 07:09:27 2022

QLast Update : Tue Feb 22 19:45:51 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.674	49	883381	10.000	ppbv	0.03
33) 1,4-Difluorobenzene	7.182	114	2188967	10.000	ppbv	0.03
55) Chlorobenzene-d5	12.089	117	2107886m	10.000	ppbv	0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.417 95 1702811 9.763 ppbv 0.03
 Spiked Amount 10.000 Range 65 - 135 Recovery = 97.600%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.060	85	1287616	9.203	ppbv	96
3) Chlorodifluoromethane	2.999	51	1530312	9.810	ppbv	99
4) Chloromethane	3.150	50	532443	9.824	ppbv	99
5) Vinyl Chloride	3.266	62	540956	9.547	ppbv	98
6) Bromomethane	3.485	94	276814	9.262	ppbv	98
7) Chloroethane	3.568	64	186423	10.244	ppbv	93
8) Dichlorotetrafluoroethane	3.198	85	1347809	10.356	ppbv	97
9) Propene	3.022	41	506410	9.832	ppbv	97
10) Heptane	8.128	43	1293273	10.315	ppbv	100
11) Trichlorofluoromethane	3.960	101	1321877	9.868	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.494	101	925779	9.426	ppbv	99
13) Ethanol	3.620	45	42055	8.182	ppbv	98
14) Bromoethene	3.748	108	400706	10.241	ppbv	98
15) Acetone	3.858	43	631866	8.411	ppbv	99
16) 1,3-Butadiene	3.340	39	520674	10.376	ppbv	97
17) tert-Butyl alcohol	4.295	59	729990	9.740	ppbv	100
18) 1,1-Dichloroethene	4.298	96	410636	9.523	ppbv	97
19) Isopropyl Alcohol	3.970	45	410406	9.434	ppbv #	97
20) Methylene Chloride	4.353	84	327525	8.799	ppbv	95
21) Allyl Chloride	4.420	41	590671	9.309	ppbv	97
22) trans-1,2-Dichloroethene	4.893	96	434879	9.996	ppbv	99
23) Vinyl Acetate	5.079	43	958661	9.630	ppbv	99
24) 1,1-Dichloroethane	5.018	63	853993	9.541	ppbv	99
25) Ethyl Acetate	5.684	43	2017909	9.998	ppbv	99
26) Hexane	5.697	57	927555	10.149	ppbv	98
27) Carbon Disulfide	4.559	76	979899	9.638	ppbv	97
28) Methyl tert-Butyl Ether	5.041	73	919644	9.879	ppbv	100
29) Chloroform	5.758	83	1506844	10.101	ppbv	97
30) Cyclohexane	7.137	84	768809	10.285	ppbv	100
31) cis-1,2-Dichloroethene	5.555	61	947956	10.705	ppbv	96
32) 1,1,1-Trichloroethane	6.517	97	1508342	10.054	ppbv	99
34) 2-Butanone	5.250	43	822751	11.951	ppbv	99
35) Carbon Tetrachloride	7.025	117	1523658	9.899	ppbv	98
36) Benzene	6.896	78	1949408	10.116	ppbv	96
37) 1,2-Dichloroethane	6.311	62	1127716	10.127	ppbv	99
38) Trichloroethene	7.838	130	695739	9.912	ppbv	94
39) 1,2-Dichloropropane	7.620	63	760421	9.907	ppbv	99
40) 1,4-Dioxane	7.838	88	76473	4.200	ppbv #	1
41) Tetrahydrofuran	6.060	42	495405	10.650	ppbv	99
42) Bromodichloromethane	7.796	83	1641861	10.211	ppbv	97
43) Methyl Methacrylate	8.018	69	719518	10.741	ppbv	99
44) 2,2,4-Trimethylpentane	7.874	57	3282376	9.910	ppbv	100
45) t-1,3-Dichloropropene	9.282	75	543493	10.151	ppbv	98

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Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Tue Feb 22 2022

QLast Update : Tue Feb 22 19:45:51 2022

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.706	75	685705	9.772	ppbv	98
47) 1,1,2-Trichloroethane	9.481	97	777546	10.182	ppbv	96
48) Dibromochloromethane	10.307	129	1300278	10.414	ppbv	98
49) Bromoform	13.044	173	983752	10.674	ppbv	99
50) 4-Methyl-2-Pentanone	8.748	43	1310826	10.769	ppbv	98
51) 2-Hexanone	10.144	43	589286	10.814	ppbv #	98
52) Tetrachloroethene	11.230	164	617541	9.653	ppbv	99
53) Toluene	9.809	91	2173157	10.386	ppbv	100
54) 1,2-Dibromoethane	10.616	107	1144235	10.645	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.127	131	863237	9.825	ppbv	97
57) Chlorobenzene	12.153	112	1515491	9.318	ppbv	99
58) Ethyl Benzene	12.713	91	2880310	9.993	ppbv	98
59) m/p-Xylene	12.995	91	4868241m	19.666	ppbv	
60) o-Xylene	13.696	91	2314334	9.890	ppbv	100
61) Styrene	13.532	104	1166938	10.812	ppbv	99
62) Isopropylbenzene	14.671	105	3108354	9.897	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.677	83	1689409	8.886	ppbv	99
64) n-propylbenzene	15.565	120	792578	10.192	ppbv	94
65) tert-Butylbenzene	16.748	119	2737975	10.065	ppbv	100
66) Benzyl Chloride	16.992	91	136403	9.279	ppbv	98
67) sec-Butylbenzene	17.298	105	3896629	10.110	ppbv	100
69) p-Isopropyltoluene	17.654	119	3172915	10.480	ppbv	99
70) n-Butylbenzene	18.548	91	3375813	10.775	ppbv	100
71) 2-Chlorotoluene	15.455	91	2425116	10.041	ppbv	100
72) 4-Ethyltoluene	15.844	105	2693196	10.446	ppbv	100
73) 1,3,5-Trimethylbenzene	15.999	105	2433241	10.392	ppbv	98
74) 1,2,4-Trimethylbenzene	16.767	105	2545679	10.298	ppbv	94
75) 1,3-Dichlorobenzene	16.999	146	1389897	10.038	ppbv	99
76) 1,4-Dichlorobenzene	17.140	146	1331054	9.749	ppbv	98
77) 1,2-Dichlorobenzene	17.818	146	1332990	10.001	ppbv	99
78) Hexachloro-1,3-Butadiene	23.378	225	1001406m	9.852	ppbv	
79) Naphthalene	22.198	128	1830169	13.664	ppbv	99
80) Naphthalene,2-methyl-	24.969	142	345419	13.196	ppbv	98
81) 1,2,4-Trichlorobenzene	21.924	180	1015244	12.536	ppbv	99

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

