

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031422\
 Data File : VL038591.D
 Acq On : 14 Mar 2022 9:35
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 03/18/2022
 Supervised By : Mahesh Dadoda 03/18/2022

Quant Time: Mar 15 01:34:08 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030822AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Mar 15 01:34:08 2022

QLast Update : Tue Mar 08 21:18:44 2022

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.642	49	841291	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene	7.147	114	2265630	10.000	ppbv	-0.02
55) Chlorobenzene-d5	12.050	117	2127425m	10.000	ppbv	-0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.378	95	1645795	10.175	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	3.037	85	1247292	9.816	ppbv	99
3) Chlorodifluoromethane	2.980	51	1463745	9.867	ppbv	99
4) Chloromethane	3.127	50	579463	10.538	ppbv	98
5) Vinyl Chloride	3.246	62	557798	10.106	ppbv	99
6) Bromomethane	3.459	94	319304	10.778	ppbv	97
7) Chloroethane	3.542	64	182066	10.188	ppbv	99
8) Dichlorotetrafluoroethane	3.176	85	1278751	10.381	ppbv	99
9) Propene	3.002	41	515849	9.855	ppbv	99
10) Heptane	8.092	43	1336812	10.676	ppbv	98
11) Trichlorofluoromethane	3.931	101	1178054	10.574	ppbv	99
12) 1,1,2-Trichlorotrifluoro...	4.465	101	962450	11.111	ppbv	99
13) Ethanol	3.587	45	56231	9.352	ppbv	96
14) Bromoethene	3.726	108	414179	11.222	ppbv	99
15) Acetone	3.832	43	679561	11.452	ppbv	97
16) 1,3-Butadiene	3.314	39	499476	10.475	ppbv	96
17) tert-Butyl alcohol	4.266	59	739610	11.472	ppbv	100
18) 1,1-Dichloroethene	4.269	96	426388	10.999	ppbv	99
19) Isopropyl Alcohol	3.944	45	410270	10.354	ppbv	99
20) Methylene Chloride	4.324	84	351402	9.840	ppbv	99
21) Allyl Chloride	4.391	41	647380	11.319	ppbv	98
22) trans-1,2-Dichloroethene	4.864	96	450024	11.074	ppbv	97
23) Vinyl Acetate	5.047	43	1051407	12.360	ppbv	99
24) 1,1-Dichloroethane	4.989	63	879790	11.372	ppbv	99
25) Ethyl Acetate	5.648	43	2073235	10.374	ppbv	100
26) Hexane	5.661	57	973332	10.371	ppbv	99
27) Carbon Disulfide	4.529	76	1142072	12.218	ppbv	98
28) Methyl tert-Butyl Ether	5.012	73	843811	11.047	ppbv	99
29) Chloroform	5.725	83	1500134	10.271	ppbv	100
30) Cyclohexane	7.102	84	839929	10.348	ppbv	99
31) cis-1,2-Dichloroethene	5.523	61	814096	9.068	ppbv	97
32) 1,1,1-Trichloroethane	6.484	97	1448463	10.226	ppbv	99
34) 2-Butanone	5.221	43	688211	11.719	ppbv	99
35) Carbon Tetrachloride	6.989	117	1529485	9.897	ppbv	99
36) Benzene	6.860	78	2112627	10.333	ppbv	99
37) 1,2-Dichloroethane	6.278	62	1014223	10.381	ppbv	99
38) Trichloroethene	7.803	130	793654	9.718	ppbv	98
39) 1,2-Dichloropropane	7.584	63	814229	10.355	ppbv	98
40) 1,4-Dioxane	7.803	88	202571	10.294	ppbv #	1
41) Tetrahydrofuran	6.021	42	491088	10.222	ppbv	99
42) Bromodichloromethane	7.761	83	1631797	10.533	ppbv	99
43) Methyl Methacrylate	7.983	69	760933	10.843	ppbv	97
44) 2,2,4-Trimethylpentane	7.838	57	3466125	10.027	ppbv	99
45) t-1,3-Dichloropropene	9.243	75	617862	12.217	ppbv	97

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.671	75	815231	11.788	ppbv	95
47) 1,1,2-Trichloroethane	9.439	97	858753	10.716	ppbv	97
48) Dibromochloromethane	10.269	129	1463103	11.499	ppbv	100
49) Bromoform	13.005	173	1216207	12.479	ppbv	99
50) 4-Methyl-2-Pentanone	8.709	43	1273461	10.578	ppbv	99
51) 2-Hexanone	10.101	43	553203	10.874	ppbv #	99
52) Tetrachloroethene	11.188	164	762995	10.182	ppbv	99
53) Toluene	9.770	91	2399541	10.995	ppbv	100
54) 1,2-Dibromoethane	10.574	107	1252905	10.942	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.089	131	927968	10.709	ppbv	99
57) Chlorobenzene	12.111	112	1708646	10.520	ppbv	98
58) Ethyl Benzene	12.674	91	3050322	11.074	ppbv	97
59) m/p-Xylene	12.960	91	5066620m	21.486	ppbv	
60) o-Xylene	13.658	91	2397314	10.766	ppbv	98
61) Styrene	13.490	104	1320689	12.036	ppbv	99
62) Isopropylbenzene	14.629	105	3377412	10.992	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.638	83	1863680	9.906	ppbv	100
64) n-propylbenzene	15.526	120	902916	11.531	ppbv	98
65) tert-Butylbenzene	16.706	119	2950434	10.738	ppbv	99
66) Benzyl Chloride	16.953	91	207487m	12.745	ppbv	
67) sec-Butylbenzene	17.259	105	4200461	10.756	ppbv	100
69) p-Isopropyltoluene	17.616	119	3454124	10.677	ppbv	100
70) n-Butylbenzene	18.513	91	3540674	10.276	ppbv	100
71) 2-Chlorotoluene	15.416	91	2510546	11.005	ppbv	99
72) 4-Ethyltoluene	15.802	105	2989396	11.687	ppbv	99
73) 1,3,5-Trimethylbenzene	15.960	105	2616388	11.019	ppbv	99
74) 1,2,4-Trimethylbenzene	16.728	105	2684711	10.584	ppbv	98
75) 1,3-Dichlorobenzene	16.957	146	1731104	10.817	ppbv	99
76) 1,4-Dichlorobenzene	17.098	146	1683946	10.623	ppbv	99
77) 1,2-Dichlorobenzene	17.780	146	1651807	10.202	ppbv	99
78) Hexachloro-1,3-Butadiene	23.339	225	1316481	8.336	ppbv	99
79) Naphthalene	22.149	128	2454406	10.756	ppbv	100
80) Naphthalene,2-methyl-	24.940	142	602959	14.971	ppbv	97
81) 1,2,4-Trichlorobenzene	21.879	180	1391340	9.543	ppbv	100

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

