

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092122\
 Data File : VL039666.D
 Acq On : 22 Sep 2022 12:19
 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 :Krupa Patel 09/28/2022
 Supervised By :Mahesh Dadoda 09/28/2022

Quant Time: Sep 22 15:12:12 2022

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091922AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2

QLast Update : Mon Sep 19 14:26:28 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.227	49	1072047	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	6.687	114	2798330	10.000	ppbv	0.03
55) Chlorobenzene-d5	11.500	117	2762451m	10.000	ppbv	0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.809 95 2037213 9.879 ppbv 0.03
 Spiked Amount 10.000 Range 65 - 135 Recovery = 98.800%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.768	85	1048541	8.437	ppbv	98
3) Chlorodifluoromethane	2.710	51	1137902	8.944	ppbv	97
4) Chloromethane	2.851	50	605812	7.891	ppbv	99
5) Vinyl Chloride	2.957	62	582644	9.105	ppbv	97
6) Bromomethane	3.157	94	235953	9.998	ppbv	100
7) Chloroethane	3.234	64	208783	8.921	ppbv	99
8) Dichlorotetrafluoroethane	2.893	85	1350903	9.061	ppbv	96
9) Propene	2.729	41	507682	8.737	ppbv	100
10) Heptane	7.613	43	1296183	9.560	ppbv	99
11) Trichlorofluoromethane	3.600	101	1415206	9.195	ppbv	100
12) 1,1,2-Trichlorotrifluo...	4.105	101	1059534	9.114	ppbv	97
13) Ethanol	3.276	45	29027	6.557	ppbv	83
14) Bromoethene	3.404	108	429208	9.248	ppbv	98
15) Acetone	3.504	43	1050996	8.810	ppbv	100
16) 1,3-Butadiene	3.022	39	574479	9.493	ppbv	98
17) tert-Butyl alcohol	3.912	59	1108971	10.359	ppbv	99
18) 1,1-Dichloroethene	3.919	96	455435	8.904	ppbv	96
19) Isopropyl Alcohol	3.610	45	534964	8.798	ppbv #	96
20) Methylene Chloride	3.970	84	387603	7.028	ppbv	95
21) Allyl Chloride	4.034	41	707006	8.704	ppbv	98
22) trans-1,2-Dichloroethene	4.481	96	447634	8.846	ppbv	94
23) Vinyl Acetate	4.661	43	270993	5.025	ppbv #	96
24) 1,1-Dichloroethane	4.600	63	986289	9.184	ppbv	99
25) Ethyl Acetate	5.240	43	2663089	10.238	ppbv	99
26) Hexane	5.250	57	957222	8.672	ppbv	84
27) Carbon Disulfide	4.160	76	1064071	9.172	ppbv	99
28) Methyl tert-Butyl Ether	4.623	73	860484	9.279	ppbv	99
29) Chloroform	5.308	83	1463933	9.186	ppbv	99
30) Cyclohexane	6.639	84	813304	9.514	ppbv	96
31) cis-1,2-Dichloroethene	5.115	61	914350	9.158	ppbv	99
32) 1,1,1-Trichloroethane	6.041	97	1440893	9.988	ppbv	100
34) 2-Butanone	4.822	43	1343710	9.776	ppbv	98
35) Carbon Tetrachloride	6.526	117	1483290	9.985	ppbv	97
36) Benzene	6.404	78	1997504	9.337	ppbv	97
37) 1,2-Dichloroethane	5.841	62	1086429	9.330	ppbv	99
38) Trichloroethene	7.324	130	912945	7.896	ppbv	97
39) 1,2-Dichloropropane	7.108	63	767950	9.296	ppbv	99
40) 1,4-Dioxane	7.320	88	282682	8.380	ppbv #	1
41) Tetrahydrofuran	5.594	42	816679	9.685	ppbv	96
42) Bromodichloromethane	7.282	83	1557385	9.616	ppbv	97
43) Methyl Methacrylate	7.510	69	812259	10.415	ppbv	97
44) 2,2,4-Trimethylpentane	7.359	57	3412192	9.253	ppbv	99
45) t-1,3-Dichloropropene	8.745	75	573667	8.705	ppbv	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092122\
 Data File : VL039666.D
 Acq On : 22 Sep 2022 12:19
 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 :Krupa Patel 09/28/2022
 Supervised By :Mahesh Dadoda 09/28/2022

Quant Time: Sep 22 15:12:12 2022

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091922AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2

QLast Update : Mon Sep 19 14:26:28 2022

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.176	75	869985	9.273	ppbv	97
47) 1,1,2-Trichloroethane	8.934	97	826816	9.156	ppbv	97
48) Dibromochloromethane	9.745	129	1366496	10.049	ppbv	100
49) Bromoform	12.436	173	1157523	10.292	ppbv	99
50) 4-Methyl-2-Pentanone	8.217	43	2150292	9.956	ppbv	97
51) 2-Hexanone	9.584	43	1595634	9.980	ppbv #	100
52) Tetrachloroethene	10.651	164	762394	9.341	ppbv	95
53) Toluene	9.253	91	2337533	9.824	ppbv	100
54) 1,2-Dibromoethane	10.044	107	1050857	10.878	ppbv	96
56) 1,1,1,2-Tetrachloroethane	11.542	131	1075842	9.637	ppbv	97
57) Chlorobenzene	11.561	112	1773723	8.732	ppbv	99
58) Ethyl Benzene	12.121	91	3134665	9.842	ppbv	98
59) m/p-Xylene	12.404	91	5315372m	18.752	ppbv	
60) o-Xylene	13.092	91	2554664	9.438	ppbv	98
61) Styrene	12.931	104	1475532	10.122	ppbv	99
62) Isopropylbenzene	14.063	105	3987697	9.790	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.079	83	1560978	14.457	ppbv	99
64) n-propylbenzene	14.944	120	1026638	9.843	ppbv	95
65) tert-Butylbenzene	16.124	119	3543839	9.848	ppbv	99
66) Benzyl Chloride	16.355	91	189527	6.615	ppbv	98
67) sec-Butylbenzene	16.667	105	4999482	9.905	ppbv	98
69) p-Isopropyltoluene	17.027	119	4213719	10.160	ppbv	100
70) n-Butylbenzene	17.918	91	4217083	10.372	ppbv	99
71) 2-Chlorotoluene	14.831	91	2931954	9.970	ppbv	99
72) 4-Ethyltoluene	15.224	105	3044238	9.851	ppbv	98
73) 1,3,5-Trimethylbenzene	15.384	105	2757741	9.753	ppbv	100
74) 1,2,4-Trimethylbenzene	16.140	105	3012913	9.506	ppbv	97
75) 1,3-Dichlorobenzene	16.365	146	1790585	9.468	ppbv	100
76) 1,4-Dichlorobenzene	16.503	146	1722657	9.105	ppbv	99
77) 1,2-Dichlorobenzene	17.175	146	1756679	9.525	ppbv	99
78) Hexachloro-1,3-Butadiene	22.667	225	1308438	9.285	ppbv	100
79) Naphthalene	21.416	128	2414030	11.541	ppbv	99
80) Naphthalene,2-methyl-	24.400	142	643445	8.181	ppbv	98
81) 1,2,4-Trichlorobenzene	21.172	180	1402138	10.205	ppbv	98

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

