

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL021323\
 Data File : VL040158.D
 Acq On : 13 Feb 2023 12:44
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Quant Time: Feb 14 01:41:25 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011623AIR.M

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

QLast Update : Tue Feb 14 01:41:11 2023

Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 02/14/2023
 Supervised By : Mahesh Dadoda 02/14/2023

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

Internal Standards						
1) Bromochloromethane	5.208	49	943130	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.671	114	2353256	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.497	117	2362306	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	13.806	95	1754387	8.936	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	89.400%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.729	85	1464558	8.856	ppbv	99
3) Chlorodifluoromethane	2.674	51	1083354	9.577	ppbv	98
4) Chloromethane	2.812	50	672503	9.619	ppbv	100
5) Vinyl Chloride	2.922	62	586161	9.889	ppbv	98
6) Bromomethane	3.121	94	197637	9.138	ppbv	98
7) Chloroethane	3.198	64	214396	9.463	ppbv	97
8) Dichlorotetrafluoroethane	2.857	85	1472181	9.537	ppbv	100
9) Propene	2.693	41	444648	9.461	ppbv	98
10) Heptane	7.603	43	1116671	10.309	ppbv	99
11) Trichlorofluoromethane	3.568	101	1550507	9.395	ppbv	97
12) 1,1,2-Trichlorotrifluo...	4.073	101	1150135	9.270	ppbv	99
13) Ethanol	3.243	45	32644m	7.546	ppbv	
14) Bromoethene	3.369	108	458578	9.957	ppbv	99
15) Acetone	3.472	43	1043962	9.230	ppbv	98
16) 1,3-Butadiene	2.986	39	529056	10.032	ppbv	99
17) tert-Butyl alcohol	3.883	59	1056508	10.031	ppbv	100
18) 1,1-Dichloroethene	3.886	96	508959	9.442	ppbv	94
19) Isopropyl Alcohol	3.578	45	479325	8.661	ppbv	99
20) Methylene Chloride	3.941	84	418425	8.385	ppbv	98
21) Allyl Chloride	4.005	41	722301	9.945	ppbv	99
22) trans-1,2-Dichloroethene	4.455	96	545371	9.901	ppbv	99
23) Vinyl Acetate	4.635	43	348347m	9.501	ppbv	
24) 1,1-Dichloroethane	4.574	63	1058502	9.533	ppbv	99
25) Ethyl Acetate	5.217	43	2071032	10.393	ppbv	99
26) Hexane	5.227	57	871487	9.993	ppbv	99
27) Carbon Disulfide	4.134	76	1245998	11.029	ppbv	98
28) Methyl tert-Butyl Ether	4.597	73	973935	9.927	ppbv	100
29) Chloroform	5.288	83	1496650	10.734	ppbv	100
30) Cyclohexane	6.619	84	719440	10.378	ppbv	99
31) cis-1,2-Dichloroethene	5.092	61	804487	9.529	ppbv	98
32) 1,1,1-Trichloroethane	6.021	97	1508816	10.647	ppbv	100
34) 2-Butanone	4.796	43	1157216	10.396	ppbv	99
35) Carbon Tetrachloride	6.513	117	1548414	11.637	ppbv	98
36) Benzene	6.391	78	1850779	10.628	ppbv	98
37) 1,2-Dichloroethane	5.822	62	1166109	10.418	ppbv	100
38) Trichloroethene	7.314	130	1106475	11.195	ppbv	97
39) 1,2-Dichloropropane	7.095	63	712847	10.465	ppbv	96
40) 1,4-Dioxane	7.311	88	255508	9.452	ppbv #	1
41) Tetrahydrofuran	5.574	42	719040	11.192	ppbv	99
42) Bromodichloromethane	7.272	83	1636847	10.829	ppbv	99
43) Methyl Methacrylate	7.497	69	726162	11.363	ppbv	99
44) 2,2,4-Trimethylpentane	7.349	57	3079891	10.635	ppbv	99
45) t-1,3-Dichloropropene	8.735	75	712382	12.501	ppbv	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL021323\
 Data File : VL040158.D
 Acq On : 13 Feb 2023 12:44
 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 02/14/2023
 Supervised By : Mahesh Dadoda 02/14/2023

Quant Time: Feb 14 01:41:25 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011623AIR.M

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

QLast Update : Tue Feb 14 01:41:11 2023

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.166	75	953986	12.251	ppbv	95
47) 1,1,2-Trichloroethane	8.921	97	746765	10.413	ppbv	97
48) Dibromochloromethane	9.738	129	1278314	11.090	ppbv	99
49) Bromoform	12.436	173	977548	11.009	ppbv	99
50) 4-Methyl-2-Pentanone	8.204	43	1890027	10.795	ppbv	99
51) 2-Hexanone	9.574	43	1436953	10.833	ppbv	98
52) Tetrachloroethene	10.645	164	616660	10.824	ppbv	98
53) Toluene	9.246	91	2079600	11.196	ppbv	100
54) 1,2-Dibromoethane	10.034	107	826185	11.004	ppbv	100
56) 1,1,1,2-Tetrachloroethane	11.539	131	912459	9.924	ppbv	99
57) Chlorobenzene	11.555	112	1563581	9.710	ppbv	99
58) Ethyl Benzene	12.118	91	2770105	10.508	ppbv	98
59) m/p-Xylene	12.404	91	4774732m	20.144	ppbv	
60) o-Xylene	13.089	91	2267733	10.079	ppbv	99
61) Styrene	12.928	104	1285400	10.964	ppbv	100
62) Isopropylbenzene	14.060	105	3186160	9.846	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.076	83	746069	9.133	ppbv	100
64) n-propylbenzene	14.947	120	801604	9.965	ppbv	99
65) tert-Butylbenzene	16.124	119	2838979	10.247	ppbv	98
66) Benzyl Chloride	16.365	91	193116m	10.199	ppbv	
67) sec-Butylbenzene	16.667	105	3991942	10.163	ppbv	100
69) p-Isopropyltoluene	17.027	119	2800588	9.073	ppbv	97
70) n-Butylbenzene	17.918	91	2955643	8.880	ppbv	99
71) 2-Chlorotoluene	14.831	91	2461480	9.890	ppbv	100
72) 4-Ethyltoluene	15.223	105	2559468	10.252	ppbv	100
73) 1,3,5-Trimethylbenzene	15.384	105	2302780	10.244	ppbv	100
74) 1,2,4-Trimethylbenzene	16.140	105	2534153	10.177	ppbv	99
75) 1,3-Dichlorobenzene	16.362	146	1400832	10.129	ppbv	99
76) 1,4-Dichlorobenzene	16.506	146	1371003	10.082	ppbv	99
77) 1,2-Dichlorobenzene	17.175	146	1218679	9.215	ppbv	98
78) Hexachloro-1,3-Butadiene	22.670	225	889714	9.184	ppbv	98
79) Naphthalene	21.423	128	1757525	12.321	ppbv	100
80) Naphthalene,2-methyl-	24.403	142	290625	6.046	ppbv	95
81) 1,2,4-Trichlorobenzene	21.178	180	918463	10.446	ppbv	99

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

