

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL020623\
 Data File : VL040156.D
 Acq On : 7 Feb 2023 8:40
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 02/07/2023
 Supervised By : Mahesh Dadoda 02/08/2023

Quant Time: Feb 07 09:11:31 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 Jan 31 05:24:57 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.163	49	846007	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene	6.626	114	2319021	10.000	ppbv	-0.02
55) Chlorobenzene-d5	11.439	117	2292710m	10.000	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	13.751	95	1740055	9.132	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	91.300%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.703	85	1689834	11.392	ppbv	98
3) Chlorodifluoromethane	2.648	51	1029665	10.147	ppbv	99
4) Chloromethane	2.787	50	656200	10.463	ppbv	100
5) Vinyl Chloride	2.893	62	567989	10.682	ppbv	99
6) Bromomethane	3.092	94	202708	10.448	ppbv	100
7) Chloroethane	3.169	64	216687	10.662	ppbv	100
8) Dichlorotetrafluoroethane	2.832	85	1450841	10.477	ppbv	99
9) Propene	2.668	41	419152	9.942	ppbv	95
10) Heptane	7.552	43	1125758	11.586	ppbv	99
11) Trichlorofluoromethane	3.536	101	1532593	10.353	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.037	101	1142189	10.263	ppbv	97
13) Ethanol	3.217	45	31896m	8.220	ppbv	
14) Bromoethene	3.336	108	450163	10.896	ppbv	99
15) Acetone	3.439	43	1037783	10.228	ppbv	98
16) 1,3-Butadiene	2.957	39	504523	10.666	ppbv	99
17) tert-Butyl alcohol	3.848	59	1049799	11.111	ppbv	99
18) 1,1-Dichloroethene	3.851	96	507443	10.494	ppbv	98
19) Isopropyl Alcohol	3.545	45	537897	10.835	ppbv	99
20) Methylene Chloride	3.906	84	419984	9.382	ppbv	97
21) Allyl Chloride	3.970	41	739745	11.355	ppbv	97
22) trans-1,2-Dichloroethene	4.417	96	509395	10.310	ppbv	97
23) Vinyl Acetate	4.597	43	344484	10.474	ppbv	98
24) 1,1-Dichloroethane	4.536	63	1045879	10.501	ppbv	99
25) Ethyl Acetate	5.176	43	1955499	10.940	ppbv	99
26) Hexane	5.185	57	835305	10.678	ppbv	99
27) Carbon Disulfide	4.095	76	1238811	12.224	ppbv	98
28) Methyl tert-Butyl Ether	4.555	73	957798	10.884	ppbv	99
29) Chloroform	5.246	83	1471823	11.768	ppbv	95
30) Cyclohexane	6.571	84	739476	11.891	ppbv	96
31) cis-1,2-Dichloroethene	5.050	61	819966	10.828	ppbv	97
32) 1,1,1-Trichloroethane	5.976	97	1485703	11.687	ppbv	100
34) 2-Butanone	4.758	43	1177603	10.736	ppbv	100
35) Carbon Tetrachloride	6.462	117	1555779	11.865	ppbv	99
36) Benzene	6.343	78	1873702	10.918	ppbv	98
37) 1,2-Dichloroethane	5.780	62	1165182	10.563	ppbv	99
38) Trichloroethene	7.262	130	1101060	11.305	ppbv	99
39) 1,2-Dichloropropane	7.047	63	713253	10.626	ppbv	97
40) 1,4-Dioxane	7.256	88	298646	11.211	ppbv	95
41) Tetrahydrofuran	5.526	42	724228	11.439	ppbv	99
42) Bromodichloromethane	7.221	83	1675829	11.251	ppbv	99
43) Methyl Methacrylate	7.446	69	756910	12.019	ppbv	97
44) 2,2,4-Trimethylpentane	7.298	57	3085357	10.811	ppbv	99
45) t-1,3-Dichloropropene	8.680	75	743664	13.243	ppbv	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL020623\
 Data File : VL040156.D
 Acq On : 7 Feb 2023 8:40
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 02/07/2023
 Supervised By :Mahesh Dadoda 02/08/2023

Quant Time: Feb 07 09:11:31 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 Jan 31 05:24:57 2023

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.114	75	989682	12.897	ppbv	99
47) 1,1,2-Trichloroethane	8.873	97	787768	11.146	ppbv	98
48) Dibromochloromethane	9.680	129	1370502	12.065	ppbv	100
49) Bromoform	12.384	173	1101711	12.591	ppbv	98
50) 4-Methyl-2-Pentanone	8.153	43	1946344	11.281	ppbv	100
51) 2-Hexanone	9.526	43	1523908	11.658	ppbv #	97
52) Tetrachloroethene	10.590	164	649253	11.565	ppbv	98
53) Toluene	9.195	91	2158521	11.793	ppbv	100
54) 1,2-Dibromoethane	9.979	107	898000	12.137	ppbv	98
56) 1,1,1,2-Tetrachloroethane	11.484	131	967909	10.847	ppbv	99
57) Chlorobenzene	11.503	112	1684026	10.776	ppbv	95
58) Ethyl Benzene	12.063	91	2958485	11.563	ppbv	99
59) m/p-Xylene	12.349	91	5106194m	22.196	ppbv	
60) o-Xylene	13.034	91	2435010	11.151	ppbv	99
61) Styrene	12.873	104	1425983	12.532	ppbv	98
62) Isopropylbenzene	14.008	105	3410403	10.858	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.024	83	831756	10.491	ppbv	99
64) n-propylbenzene	14.892	120	871615	11.164	ppbv	100
65) tert-Butylbenzene	16.069	119	2998107	11.150	ppbv	98
66) Benzyl Chloride	16.304	91	227024	12.354	ppbv #	97
67) sec-Butylbenzene	16.609	105	4202171	11.023	ppbv	100
69) p-Isopropyltoluene	16.973	119	3392450	11.325	ppbv	100
70) n-Butylbenzene	17.863	91	3645657	11.285	ppbv	99
71) 2-Chlorotoluene	14.777	91	2673195	11.066	ppbv	100
72) 4-Ethyltoluene	15.169	105	2799306	11.553	ppbv	99
73) 1,3,5-Trimethylbenzene	15.330	105	2457089	11.262	ppbv	100
74) 1,2,4-Trimethylbenzene	16.085	105	2669576	11.046	ppbv	98
75) 1,3-Dichlorobenzene	16.310	146	1481317	11.036	ppbv	100
76) 1,4-Dichlorobenzene	16.452	146	1454858	11.024	ppbv	100
77) 1,2-Dichlorobenzene	17.120	146	1412769	11.006	ppbv	99
78) Hexachloro-1,3-Butadiene	22.612	225	921460	9.801	ppbv	100
79) Naphthalene	21.358	128	1922008	13.883	ppbv	100
80) Naphthalene,2-methyl-	24.358	142	652270	13.982	ppbv	98
81) 1,2,4-Trichlorobenzene	21.117	180	1003731	11.763	ppbv	98

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

