

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010923\
 Data File : VL040071.D
 Acq On : 9 Jan 2023 11:46
 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 01/11/2023
 Supervised By :Mahesh Dadoda 01/11/2023

Quant Time: Jan 09 21:17:53 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL121922AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2023

QLast Update : Tue Dec 20 04:50:21 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.185	49	1086136	10.000	ppbv	0.01
33) 1,4-Difluorobenzene	6.651	114	3165216	10.000	ppbv	0.02
55) Chlorobenzene-d5	11.474	117	3074334	10.000	ppbv	0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.786	95	2332126	9.931	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.300%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.713	85	1438909m	7.077	ppbv	
3) Chlorodifluoromethane	2.658	51	1332899	8.317	ppbv	98
4) Chloromethane	2.796	50	880896	8.773	ppbv	100
5) Vinyl Chloride	2.906	62	731600	9.005	ppbv	99
6) Bromomethane	3.105	94	234178	7.845	ppbv	94
7) Chloroethane	3.185	64	273827	8.933	ppbv	98
8) Dichlorotetrafluoroethane	2.841	85	1687734	7.890	ppbv	100
9) Propene	2.677	41	620381	9.122	ppbv	100
10) Heptane	7.581	43	1492624	8.992	ppbv	100
11) Trichlorofluoromethane	3.552	101	1739020	7.872	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.057	101	1326467	7.928	ppbv	98
13) Ethanol	3.227	45	55026m	8.597	ppbv	
14) Bromoethene	3.356	108	548636	8.708	ppbv	98
15) Acetone	3.455	43	1331121	7.922	ppbv	98
16) 1,3-Butadiene	2.970	39	681743	9.335	ppbv	98
17) tert-Butyl alcohol	3.867	59	1429221	8.628	ppbv	99
18) 1,1-Dichloroethene	3.870	96	601350	8.257	ppbv	96
19) Isopropyl Alcohol	3.562	45	713751m	8.620	ppbv	
20) Methylene Chloride	3.922	84	536704	7.515	ppbv	97
21) Allyl Chloride	3.986	41	994503	9.850	ppbv	95
22) trans-1,2-Dichloroethene	4.436	96	625785	8.621	ppbv	96
23) Vinyl Acetate	4.616	43	540477	10.147	ppbv	99
24) 1,1-Dichloroethane	4.558	63	1302739	8.328	ppbv	99
25) Ethyl Acetate	5.198	43	2473165	8.499	ppbv	99
26) Hexane	5.208	57	1068496	8.737	ppbv	97
27) Carbon Disulfide	4.115	76	1630624	10.571	ppbv	99
28) Methyl tert-Butyl Ether	4.578	73	1242011	8.617	ppbv	99
29) Chloroform	5.269	83	1505302	8.066	ppbv	98
30) Cyclohexane	6.600	84	1005532	9.284	ppbv	97
31) cis-1,2-Dichloroethene	5.073	61	1016872	8.731	ppbv	99
32) 1,1,1-Trichloroethane	5.999	97	1810807	9.063	ppbv	99
34) 2-Butanone	4.777	43	1492123	8.690	ppbv	99
35) Carbon Tetrachloride	6.491	117	1901455	9.672	ppbv	99
36) Benzene	6.369	78	2476018	8.759	ppbv	97
37) 1,2-Dichloroethane	5.803	62	1372460	8.276	ppbv	100
38) Trichloroethene	7.291	130	1425128	9.810	ppbv	94
39) 1,2-Dichloropropane	7.076	63	939599	8.868	ppbv	97
40) 1,4-Dioxane	7.285	88	406475	8.511	ppbv	94
41) Tetrahydrofuran	5.552	42	992460	9.260	ppbv	98
42) Bromodichloromethane	7.250	83	2065043	9.090	ppbv	99
43) Methyl Methacrylate	7.475	69	998289	9.410	ppbv	100
44) 2,2,4-Trimethylpentane	7.327	57	4052749	8.709	ppbv	99
45) t-1,3-Dichloropropene	8.712	75	996060	11.108	ppbv	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010923\
 Data File : VL040071.D
 Acq On : 9 Jan 2023 11:46
 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 01/11/2023
 Supervised By :Mahesh Dadoda 01/11/2023

Quant Time: Jan 09 21:17:53 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL121922AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2023

QLast Update : Tue Dec 20 04:50:21 2022

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.143	75	1325358	10.480	ppbv	98
47) 1,1,2-Trichloroethane	8.902	97	988554	8.519	ppbv	96
48) Dibromochloromethane	9.716	129	1711380	9.698	ppbv	100
49) Bromoform	12.417	173	1301700	9.669	ppbv	99
50) 4-Methyl-2-Pentanone	8.182	43	2491513	8.882	ppbv	99
51) 2-Hexanone	9.555	43	1942129	8.900	ppbv #	99
52) Tetrachloroethene	10.622	164	839549	8.735	ppbv	96
53) Toluene	9.224	91	2812322	8.986	ppbv	100
54) 1,2-Dibromoethane	10.011	107	1126574	9.016	ppbv	100
56) 1,1,1,2-Tetrachloroethane	11.516	131	1169627	8.248	ppbv	96
57) Chlorobenzene	11.536	112	2082501	7.980	ppbv	98
58) Ethyl Benzene	12.095	91	3650119	8.356	ppbv	96
59) m/p-Xylene	12.378	91	6056481m	15.916	ppbv	
60) o-Xylene	13.063	91	2863976	7.856	ppbv	100
61) Styrene	12.905	104	1743324	8.916	ppbv	98
62) Isopropylbenzene	14.037	105	4026663	7.661	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.053	83	938118m	7.019	ppbv	
64) n-propylbenzene	14.928	120	1042445	7.852	ppbv	95
65) tert-Butylbenzene	16.101	119	3412974	7.472	ppbv	98
66) Benzyl Chloride	16.336	91	299676	11.251	ppbv	96
67) sec-Butylbenzene	16.645	105	4772956	7.457	ppbv	100
69) p-Isopropyltoluene	17.005	119	3886479	7.601	ppbv	99
70) n-Butylbenzene	17.895	91	4004114	7.475	ppbv	100
71) 2-Chlorotoluene	14.809	91	2994505	7.467	ppbv	99
72) 4-Ethyltoluene	15.201	105	3178388	7.852	ppbv	99
73) 1,3,5-Trimethylbenzene	15.359	105	2800924	7.673	ppbv	100
74) 1,2,4-Trimethylbenzene	16.117	105	2975935	7.395	ppbv	97
75) 1,3-Dichlorobenzene	16.339	146	1686416	7.659	ppbv	100
76) 1,4-Dichlorobenzene	16.484	146	1649719	7.674	ppbv	99
77) 1,2-Dichlorobenzene	17.156	146	1635516	7.745	ppbv	99
78) Hexachloro-1,3-Butadiene	22.644	225	1177922	8.041	ppbv #	100
79) Naphthalene	21.397	128	2563807	10.693	ppbv	99
80) Naphthalene,2-methyl-	24.390	142	631419	8.607	ppbv	97
81) 1,2,4-Trichlorobenzene	21.149	180	1294710	9.091	ppbv	99

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

