

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111323\
 Data File : VL040835.D
 Acq On : 13 Nov 2023 10:45
 Operator : SY/MD
 Sample : VSTDICCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 11/15/2023
 Supervised By :Semsettin Yesilyurt 11/15/2023

Quant Time: Nov 13 15:19:08 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111323AIR.M

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

QLast Update : Mon Nov 13 15:18:50 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.172	49	1194114	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.632	114	3025657	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.439	117	2993306	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.748 95 2287523 10.267 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 102.700%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.722	85	2130115	10.001	ppbv	100
3) Chlorodifluoromethane	2.668	51	1683842	9.569	ppbv	100
4) Chloromethane	2.806	50	615873	8.954	ppbv	100
5) Vinyl Chloride	2.912	62	636111	8.945	ppbv	100
6) Bromomethane	3.111	94	236726	8.277	ppbv	100
7) Chloroethane	3.189	64	218993	9.510	ppbv	100
8) Dichlorotetrafluoroethane	2.851	85	1557938	9.742	ppbv	100
9) Propene	2.687	41	577271	8.992	ppbv	100
10) Heptane	7.555	43	1454059	8.976	ppbv	100
11) Trichlorofluoromethane	3.549	101	1669999	10.146	ppbv	100
12) 1,1,2-Trichlorotrifluo...	4.054	101	1197091	10.217	ppbv	100
13) Ethanol	3.230	45	103273m	7.290	ppbv	
14) Bromoethene	3.356	108	499886	10.081	ppbv	100
15) Acetone	3.459	43	1102317	8.981	ppbv	100
16) 1,3-Butadiene	2.976	39	613972	9.610	ppbv	100
17) tert-Butyl alcohol	3.867	59	947397	7.991	ppbv	100
18) 1,1-Dichloroethene	3.867	96	525357	10.042	ppbv	100
19) Isopropyl Alcohol	3.565	45	690282	8.956	ppbv	100
20) Methylene Chloride	3.918	84	421066	8.179	ppbv	100
21) Allyl Chloride	3.983	41	764981	9.565	ppbv	99
22) trans-1,2-Dichloroethene	4.433	96	609645	10.764	ppbv	100
23) Vinyl Acetate	4.610	43	1654191	10.318	ppbv	100
24) 1,1-Dichloroethane	4.549	63	1396068	11.253	ppbv	100
25) Ethyl Acetate	5.185	43	2438361	9.096	ppbv	100
26) Hexane	5.195	57	1058240	8.668	ppbv	100
27) Carbon Disulfide	4.108	76	1396966	10.200	ppbv	100
28) Methyl tert-Butyl Ether	4.571	73	1018593	10.388	ppbv	100
29) Chloroform	5.256	83	1798880	9.926	ppbv	100
30) Cyclohexane	6.581	84	920025	8.879	ppbv	100
31) cis-1,2-Dichloroethene	5.060	61	1129413	9.876	ppbv	100
32) 1,1,1-Trichloroethane	5.986	97	1776147	9.311	ppbv	100
34) 2-Butanone	4.767	43	1547984	10.719	ppbv	100
35) Carbon Tetrachloride	6.471	117	1875956	10.868	ppbv	100
36) Benzene	6.349	78	2277855	9.792	ppbv	100
37) 1,2-Dichloroethane	5.787	62	1380103	11.248	ppbv	100
38) Trichloroethene	7.269	130	865252	8.430	ppbv	100
39) 1,2-Dichloropropane	7.050	63	900044	9.898	ppbv	100
40) 1,4-Dioxane	7.262	88	329235	9.662	ppbv #	99
41) Tetrahydrofuran	5.539	42	935616	9.934	ppbv	100
42) Bromodichloromethane	7.227	83	2003369	10.961	ppbv	100
43) Methyl Methacrylate	7.452	69	939444	10.100	ppbv	100
44) 2,2,4-Trimethylpentane	7.304	57	3774014	9.588	ppbv	100
45) t-1,3-Dichloropropene	8.687	75	601451	8.620	ppbv	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111323\
 Data File : VL040835.D
 Acq On : 13 Nov 2023 10:45
 Operator : SY/MD
 Sample : VSTDICCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 11/15/2023
 Supervised By :Semsettin Yesilyurt 11/15/2023

Quant Time: Nov 13 15:19:08 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111323AIR.M

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

QLast Update : Mon Nov 13 15:18:50 2023

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.118	75	756595	8.716	ppbv	100
47) 1,1,2-Trichloroethane	8.873	97	946829	9.884	ppbv	100
48) Dibromochloromethane	9.687	129	1693421	10.499	ppbv	100
49) Bromoform	12.378	173	1318852	10.264	ppbv	100
50) 4-Methyl-2-Pentanone	8.156	43	2363261	10.070	ppbv	100
51) 2-Hexanone	9.523	43	1753361	9.892	ppbv #	100
52) Tetrachloroethene	10.590	164	783363	8.385	ppbv	100
53) Toluene	9.198	91	2596578	9.408	ppbv	100
54) 1,2-Dibromoethane	9.983	107	1312340	9.855	ppbv	100
56) 1,1,1,2-Tetrachloroethane	11.481	131	1183790	9.605	ppbv	97
57) Chlorobenzene	11.497	112	1983342	9.202	ppbv	100
58) Ethyl Benzene	12.063	91	3520752	9.266	ppbv	100
59) m/p-Xylene	12.346	91	5900856m	18.794	ppbv	
60) o-Xylene	13.031	91	2784914	9.326	ppbv	100
61) Styrene	12.870	104	1465242	9.041	ppbv	100
62) Isopropylbenzene	14.002	105	4119988	9.013	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.021	83	2010077	8.975	ppbv	99
64) n-propylbenzene	14.892	120	1070915	8.823	ppbv	100
65) tert-Butylbenzene	16.063	119	3526751	8.594	ppbv	100
66) Benzyl Chloride	16.304	91	142657m	4.127	ppbv	
67) sec-Butylbenzene	16.609	105	4974353	8.834	ppbv	100
69) p-Isopropyltoluene	16.969	119	4029604	8.603	ppbv	100
70) n-Butylbenzene	17.860	91	4214429	9.081	ppbv	100
71) 2-Chlorotoluene	14.773	91	3183113	9.236	ppbv	100
72) 4-Ethyltoluene	15.166	105	3233399	9.344	ppbv	99
73) 1,3,5-Trimethylbenzene	15.326	105	2777256	9.114	ppbv	100
74) 1,2,4-Trimethylbenzene	16.079	105	3008396	9.001	ppbv	100
75) 1,3-Dichlorobenzene	16.304	146	1693597	8.324	ppbv	100
76) 1,4-Dichlorobenzene	16.445	146	1676012	8.311	ppbv	100
77) 1,2-Dichlorobenzene	17.111	146	1618441	8.130	ppbv	99
78) Hexachloro-1,3-Butadiene	22.603	225	926924	6.593	ppbv	100
79) Naphthalene	21.352	128	1935083	7.519	ppbv	100
80) Naphthalene,2-methyl-	24.355	142	341422	5.301	ppbv	100
81) 1,2,4-Trichlorobenzene	21.111	180	1021392	7.310	ppbv	100

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111323\
 Data File : VL040835.D
 Acq On : 13 Nov 2023 10:45
 Operator : SY/MD
 Sample : VSTDICCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Quant Time: Nov 13 15:19:08 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111323AIR.M

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

QLast Update : Mon Nov 13 15:18:50 2023

Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Mahesh Dadoda 11/15/2023
 Supervised By : Semsettin Yesilyurt 11/15/2023

