

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL102323\
 Data File : VL040792.D
 Acq On : 24 Oct 2023 11:29
 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 10/25/2023
 Supervised By : Mahesh Dadoda 10/25/2023

Quant Time: Oct 24 16:13:43 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101123AIR.M

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

QLast Update : Tue Oct 24 16:11:15 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.185	49	947542	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene	6.642	114	2616012	10.000	ppbv	-0.03
55) Chlorobenzene-d5	11.439	117	2612530	10.000	ppbv	-0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.748 95 1948854 10.138 ppbv -0.04
 Spiked Amount 10.000 Range 65 - 135 Recovery = 101.400%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.742	85	1907725	11.433	ppbv	98
3) Chlorodifluoromethane	2.690	51	1493661	10.726	ppbv	97
4) Chloromethane	2.825	50	545241	9.916	ppbv	99
5) Vinyl Chloride	2.931	62	548704	9.657	ppbv	95
6) Bromomethane	3.128	94	231287	9.840	ppbv	93
7) Chloroethane	3.205	64	190425	10.295	ppbv	99
8) Dichlorotetrafluoroethane	2.870	85	1370755	10.837	ppbv	99
9) Propene	2.706	41	524239	10.136	ppbv	99
10) Heptane	7.561	43	1329239	10.230	ppbv	99
11) Trichlorofluoromethane	3.568	101	1443401	11.208	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.066	101	1031625	11.231	ppbv	99
13) Ethanol	3.246	45	78005m	6.681	ppbv	
14) Bromoethene	3.372	108	430111	10.934	ppbv	99
15) Acetone	3.472	43	976094	9.965	ppbv	99
16) 1,3-Butadiene	2.996	39	532874	10.369	ppbv	98
17) tert-Butyl alcohol	3.880	59	764087	7.607	ppbv	99
18) 1,1-Dichloroethene	3.883	96	444595	10.800	ppbv	97
19) Isopropyl Alcohol	3.581	45	516452	8.190	ppbv #	40
20) Methylene Chloride	3.935	84	353728	8.669	ppbv	98
21) Allyl Chloride	3.999	41	664354	10.284	ppbv	96
22) trans-1,2-Dichloroethene	4.443	96	477535	10.899	ppbv	98
23) Vinyl Acetate	4.623	43	1110993	8.900	ppbv #	98
24) 1,1-Dichloroethane	4.558	63	951145	10.102	ppbv	99
25) Ethyl Acetate	5.195	43	2196949	10.236	ppbv	99
26) Hexane	5.205	57	950897	9.694	ppbv	97
27) Carbon Disulfide	4.124	76	1174608	10.853	ppbv	100
28) Methyl tert-Butyl Ether	4.581	73	706020	9.256	ppbv	99
29) Chloroform	5.266	83	1583266	11.155	ppbv	100
30) Cyclohexane	6.590	84	837083	10.028	ppbv	98
31) cis-1,2-Dichloroethene	5.073	61	1007321	11.143	ppbv	98
32) 1,1,1-Trichloroethane	5.992	97	1586030	10.499	ppbv	99
34) 2-Butanone	4.780	43	1371886	11.586	ppbv	99
35) Carbon Tetrachloride	6.481	117	1686202	11.484	ppbv	99
36) Benzene	6.356	78	2100646	10.440	ppbv	99
37) 1,2-Dichloroethane	5.796	62	1206811	11.711	ppbv	98
38) Trichloroethene	7.278	130	834345	9.369	ppbv	96
39) 1,2-Dichloropropane	7.057	63	823561	10.476	ppbv	96
40) 1,4-Dioxane	7.266	88	278003	9.345	ppbv #	50
41) Tetrahydrofuran	5.545	42	848531	10.348	ppbv	99
42) Bromodichloromethane	7.233	83	1784207	11.558	ppbv	99
43) Methyl Methacrylate	7.455	69	853892	10.601	ppbv	99
44) 2,2,4-Trimethylpentane	7.311	57	3421240	10.054	ppbv	99
45) t-1,3-Dichloropropene	8.690	75	643573	10.020	ppbv	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL102323\
 Data File : VL040792.D
 Acq On : 24 Oct 2023 11:29
 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 10/25/2023
 Supervised By :Mahesh Dadoda 10/25/2023

Quant Time: Oct 24 16:13:43 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101123AIR.M

Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_LFri Aug 2

QLast Update : Tue Oct 24 16:11:15 2023

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.124	75	751757	9.580	ppbv	99
47) 1,1,2-Trichloroethane	8.876	97	881451	10.674	ppbv	97
48) Dibromochloromethane	9.687	129	1564994	11.309	ppbv	99
49) Bromoform	12.381	173	1243317	11.052	ppbv	99
50) 4-Methyl-2-Pentanone	8.163	43	2172209	10.724	ppbv	98
51) 2-Hexanone	9.526	43	1635204	10.607	ppbv #	99
52) Tetrachloroethene	10.593	164	752943	9.212	ppbv	95
53) Toluene	9.198	91	2451539	10.237	ppbv	98
54) 1,2-Dibromoethane	9.986	107	1276748	11.029	ppbv	97
56) 1,1,1,2-Tetrachloroethane	11.481	131	1112913	10.438	ppbv	98
57) Chlorobenzene	11.500	112	1907750	10.192	ppbv	96
58) Ethyl Benzene	12.063	91	3310993	10.066	ppbv	99
59) m/p-Xylene	12.346	91	5497450m	20.306	ppbv	
60) o-Xylene	13.031	91	2602024	10.087	ppbv	99
61) Styrene	12.870	104	1448687	10.136	ppbv	98
62) Isopropylbenzene	14.002	105	3891752	9.807	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.018	83	1857196	9.603	ppbv	100
64) n-propylbenzene	14.886	120	1052899	9.877	ppbv	90
65) tert-Butylbenzene	16.063	119	3422266	9.562	ppbv	97
66) Benzyl Chloride	16.301	91	194141	5.384	ppbv	95
67) sec-Butylbenzene	16.603	105	4825112	9.846	ppbv	97
69) p-Isopropyltoluene	16.966	119	3975330	9.681	ppbv	99
70) n-Butylbenzene	17.857	91	4114925	10.205	ppbv	98
71) 2-Chlorotoluene	14.770	91	3026962	10.154	ppbv	98
72) 4-Ethyltoluene	15.166	105	3105881	10.282	ppbv	98
73) 1,3,5-Trimethylbenzene	15.323	105	2695505	10.135	ppbv	97
74) 1,2,4-Trimethylbenzene	16.079	105	2903740	9.993	ppbv	98
75) 1,3-Dichlorobenzene	16.301	146	1739051	9.623	ppbv	99
76) 1,4-Dichlorobenzene	16.442	146	1697250	9.483	ppbv	97
77) 1,2-Dichlorobenzene	17.114	146	1681835	9.485	ppbv	98
78) Hexachloro-1,3-Butadiene	22.599	225	1027078m	8.095	ppbv	
79) Naphthalene	21.349	128	2430905	10.292	ppbv	99
80) Naphthalene,2-methyl-	24.345	142	599987	9.052	ppbv	98
81) 1,2,4-Trichlorobenzene	21.104	180	1230830	9.598	ppbv	99

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL102323\
Data File : VL040792.D
Acq On : 24 Oct 2023 11:29
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 10/25/2023
Supervised By :Mahesh Dadoda 10/25/2023

Quant Time: Oct 24 16:13:43 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101123AIR.M

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

QLast Update : Tue Oct 24 16:11:15 2023

Response via : Initial Calibration

