

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL013023\
 Data File : VL040139.D
 Acq On : 31 Jan 2023 8:43
 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 01/31/2023
 Supervised By : Mahesh Dadoda 01/31/2023

Quant Time: Jan 31 09:13:47 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	5.169	49	836583	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene	6.632	114	2198909	10.000	ppbv	-0.02
55) Chlorobenzene-d5	11.449	117	2262688m	10.000	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.761 95 1806209 9.605 ppbv -0.02
 Spiked Amount 10.000 Range 65 - 135 Recovery = 96.000%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.706	85	1374886	9.373	ppbv	98
3) Chlorodifluoromethane	2.652	51	1016294	10.128	ppbv	99
4) Chloromethane	2.790	50	638013	10.288	ppbv	100
5) Vinyl Chloride	2.899	62	562484	10.698	ppbv	99
6) Bromomethane	3.095	94	196152	10.224	ppbv	91
7) Chloroethane	3.176	64	209549	10.427	ppbv	100
8) Dichlorotetrafluoroethane	2.835	85	1400789	10.230	ppbv	99
9) Propene	2.671	41	404926	9.713	ppbv	96
10) Heptane	7.562	43	1083122	11.273	ppbv	99
11) Trichlorofluoromethane	3.542	101	1519711	10.381	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.044	101	1118647	10.165	ppbv	98
13) Ethanol	3.214	45	31565m	8.226	ppbv	
14) Bromoethene	3.343	108	446181	10.921	ppbv	99
15) Acetone	3.446	43	994127	9.908	ppbv	97
16) 1,3-Butadiene	2.964	39	502581	10.744	ppbv	99
17) tert-Butyl alcohol	3.854	59	1057687	11.321	ppbv	100
18) 1,1-Dichloroethene	3.857	96	496022	10.374	ppbv	93
19) Isopropyl Alcohol	3.552	45	509345	10.376	ppbv	100
20) Methylene Chloride	3.909	84	426184	9.628	ppbv	98
21) Allyl Chloride	3.973	41	708097	10.992	ppbv	97
22) trans-1,2-Dichloroethene	4.423	96	533370	10.917	ppbv	98
23) Vinyl Acetate	4.603	43	337180	10.367	ppbv	99
24) 1,1-Dichloroethane	4.542	63	1029610	10.454	ppbv	99
25) Ethyl Acetate	5.182	43	1929895	10.918	ppbv	100
26) Hexane	5.192	57	830993	10.743	ppbv	98
27) Carbon Disulfide	4.102	76	1252400	12.497	ppbv	99
28) Methyl tert-Butyl Ether	4.565	73	924225	10.621	ppbv	100
29) Chloroform	5.253	83	1443950	11.675	ppbv	99
30) Cyclohexane	6.581	84	687332	11.177	ppbv	99
31) cis-1,2-Dichloroethene	5.057	61	765936	10.228	ppbv	95
32) 1,1,1-Trichloroethane	5.983	97	1448257	11.521	ppbv	100
34) 2-Butanone	4.761	43	1124859	10.815	ppbv	100
35) Carbon Tetrachloride	6.472	117	1521745	12.240	ppbv	99
36) Benzene	6.349	78	1783286	10.959	ppbv	99
37) 1,2-Dichloroethane	5.783	62	1135260	10.854	ppbv	99
38) Trichloroethene	7.272	130	1053026	11.402	ppbv	99
39) 1,2-Dichloropropane	7.050	63	685816	10.775	ppbv	98
40) 1,4-Dioxane	7.266	88	270444	10.706	ppbv	93
41) Tetrahydrofuran	5.533	42	682281	11.365	ppbv	99
42) Bromodichloromethane	7.230	83	1615947	11.442	ppbv	98
43) Methyl Methacrylate	7.452	69	713152	11.943	ppbv	99
44) 2,2,4-Trimethylpentane	7.308	57	2967613	10.966	ppbv	99
45) t-1,3-Dichloropropene	8.693	75	700113	13.148	ppbv	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL013023\
 Data File : VL040139.D
 Acq On : 31 Jan 2023 8:43
 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 01/31/2023
 Supervised By : Mahesh Dadoda 01/31/2023

Quant Time: Jan 31 09:13:47 2023

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

Quant Title : AIR ANALYSIS BY METHOD T0-15 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	8.124	75	951770	13.081	ppbv	97
47) 1,1,2-Trichloroethane	8.883	97	744756	11.113	ppbv	99
48) Dibromochloromethane	9.693	129	1295858	12.032	ppbv	100
49) Bromoform	12.391	173	1010922	12.184	ppbv	99
50) 4-Methyl-2-Pentanone	8.160	43	1860846	11.374	ppbv	99
51) 2-Hexanone	9.533	43	1469744	11.858	ppbv	99
52) Tetrachloroethene	10.597	164	606382m	11.391	ppbv	
53) Toluene	9.205	91	2011067	11.587	ppbv	99
54) 1,2-Dibromoethane	9.989	107	844377	12.035	ppbv	100
56) 1,1,1,2-Tetrachloroethane	11.494	131	929844	10.559	ppbv	97
57) Chlorobenzene	11.510	112	1568149	10.167	ppbv	98
58) Ethyl Benzene	12.073	91	2772824	10.981	ppbv	100
59) m/p-Xylene	12.359	91	4781594m	21.061	ppbv	
60) o-Xylene	13.044	91	2287765	10.616	ppbv	99
61) Styrene	12.883	104	1302974	11.603	ppbv	99
62) Isopropylbenzene	14.018	105	3181377	10.264	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.034	83	754274	9.640	ppbv	100
64) n-propylbenzene	14.899	120	798628	10.365	ppbv	99
65) tert-Butylbenzene	16.076	119	2740913	10.328	ppbv	99
66) Benzyl Chloride	16.314	91	177658	9.796	ppbv #	92
67) sec-Butylbenzene	16.622	105	3842667	10.214	ppbv	100
69) p-Isopropyltoluene	16.982	119	3073112	10.395	ppbv	99
70) n-Butylbenzene	17.873	91	3298141	10.345	ppbv	100
71) 2-Chlorotoluene	14.790	91	2444826	10.255	ppbv	100
72) 4-Ethyltoluene	15.179	105	2529512	10.578	ppbv	98
73) 1,3,5-Trimethylbenzene	15.336	105	2227971	10.348	ppbv	97
74) 1,2,4-Trimethylbenzene	16.095	105	2419501	10.144	ppbv	100
75) 1,3-Dichlorobenzene	16.317	146	1319371	9.960	ppbv	100
76) 1,4-Dichlorobenzene	16.458	146	1290571	9.909	ppbv	99
77) 1,2-Dichlorobenzene	17.130	146	1260653	9.952	ppbv	99
78) Hexachloro-1,3-Butadiene	22.622	225	916779	9.880	ppbv	99
79) Naphthalene	21.371	128	1992617m	14.584	ppbv	
80) Naphthalene,2-methyl-	24.365	142	563972	12.250	ppbv	97
81) 1,2,4-Trichlorobenzene	21.127	180	989126	11.745	ppbv	100

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

