

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121922\
 Data File : VL040020.D
 Acq On : 19 Dec 2022 9:35
 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 : Semsettin Yesilyurt 12/20/2022
 Supervised By : Mahesh Dadoda 12/20/2022

Quant Time: Dec 20 04:20:54 2022

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 19 2022

QLast Update : Tue Dec 20 04:20:10 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.173	49	1030526	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.636	114	2995889	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.452	117	2872305	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	13.764	95	2155863	9.826	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.300%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.710	85	1409973	7.309	ppbv	100
3) Chlorodifluoromethane	2.655	51	1259812	8.286	ppbv	100
4) Chloromethane	2.793	50	805414	8.454	ppbv	100
5) Vinyl Chloride	2.899	62	687209	8.915	ppbv	100
6) Bromomethane	3.099	94	248838	8.786	ppbv	100
7) Chloroethane	3.179	64	247662	8.516	ppbv	100
8) Dichlorotetrafluoroethane	2.838	85	1658504	8.172	ppbv	100
9) Propene	2.674	41	558012	8.648	ppbv	100
10) Heptane	7.565	43	1394250	8.870	ppbv	100
11) Trichlorofluoromethane	3.542	101	1764875	8.420	ppbv	100
12) 1,1,2-Trichlorotrifluo...	4.047	101	1347551	8.489	ppbv	100
13) Ethanol	3.227	45	50041m	9.182	ppbv	
14) Bromoethene	3.346	108	533885	8.931	ppbv	100
15) Acetone	3.449	43	1247048	7.823	ppbv	100
16) 1,3-Butadiene	2.964	39	625905	9.033	ppbv	100
17) tert-Butyl alcohol	3.857	59	1354492	8.679	ppbv	100
18) 1,1-Dichloroethene	3.861	96	599991	8.683	ppbv	100
19) Isopropyl Alcohol	3.555	45	695116	8.848	ppbv	100
20) Methylene Chloride	3.915	84	499801	7.376	ppbv	100
21) Allyl Chloride	3.976	41	867027	9.051	ppbv	100
22) trans-1,2-Dichloroethene	4.427	96	631660	9.172	ppbv	100
23) Vinyl Acetate	4.607	43	471500	9.326	ppbv	100
24) 1,1-Dichloroethane	4.546	63	1258440	8.479	ppbv	100
25) Ethyl Acetate	5.185	43	2330352	8.441	ppbv	100
26) Hexane	5.195	57	981084	8.455	ppbv	100
27) Carbon Disulfide	4.105	76	1476316	10.087	ppbv	100
28) Methyl tert-Butyl Ether	4.568	73	1168832	8.547	ppbv	100
29) Chloroform	5.256	83	1472932	8.318	ppbv	100
30) Cyclohexane	6.587	84	915193	8.906	ppbv	100
31) cis-1,2-Dichloroethene	5.060	61	993292	8.988	ppbv	100
32) 1,1,1-Trichloroethane	5.986	97	1788086	9.403	ppbv	100
34) 2-Butanone	4.767	43	1424263	9.007	ppbv	100
35) Carbon Tetrachloride	6.478	117	1852718	9.942	ppbv	100
36) Benzene	6.353	78	2342222	8.754	ppbv	100
37) 1,2-Dichloroethane	5.790	62	1376933	8.772	ppbv	100
38) Trichloroethene	7.275	130	1361513	9.848	ppbv	100
39) 1,2-Dichloropropane	7.057	63	887823	8.853	ppbv	100
40) 1,4-Dioxane	7.272	88	390008	8.574	ppbv	100
41) Tetrahydrofuran	5.539	42	886232	9.022	ppbv	100
42) Bromodichloromethane	7.234	83	1995055	9.296	ppbv	100
43) Methyl Methacrylate	7.459	69	933155	9.293	ppbv	100
44) 2,2,4-Trimethylpentane	7.311	57	3779890	8.581	ppbv	100
45) t-1,3-Dichloropropene	8.693	75	926928	10.923	ppbv	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121922\
 Data File : VL040020.D
 Acq On : 19 Dec 2022 9:35
 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 : Semsettin Yesilyurt 12/20/2022
 Supervised By : Mahesh Dadoda 12/20/2022

Quant Time: Dec 20 04:20:54 2022

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 19 2022

QLast Update : Tue Dec 20 04:20:10 2022

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.127	75	1232431	10.296	ppbv	100
47) 1,1,2-Trichloroethane	8.883	97	969191	8.833	ppbv	100
48) Dibromochloromethane	9.693	129	1643968	9.831	ppbv	100
49) Bromoform	12.394	173	1298838	10.195	ppbv	100
50) 4-Methyl-2-Pentanone	8.166	43	2391247	9.006	ppbv	100
51) 2-Hexanone	9.539	43	1889944	9.180	ppbv	100
52) Tetrachloroethene	10.603	164	807637	8.820	ppbv	100
53) Toluene	9.205	91	2689605	9.079	ppbv	100
54) 1,2-Dibromoethane	9.992	107	1111409	9.461	ppbv	100
56) 1,1,1,2-Tetrachloroethane	11.497	131	1161384	8.760	ppbv	98
57) Chlorobenzene	11.513	112	2075018	8.510	ppbv	100
58) Ethyl Benzene	12.076	91	3601624	8.826	ppbv	100
59) m/p-Xylene	12.362	91	6098986m	17.157	ppbv	
60) o-Xylene	13.047	91	2920374	8.579	ppbv	100
61) Styrene	12.886	104	1741921	9.595	ppbv	100
62) Isopropylbenzene	14.018	105	4109874	8.369	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.037	83	962539	7.684	ppbv	100
64) n-propylbenzene	14.908	120	1053828	8.525	ppbv	100
65) tert-Butylbenzene	16.082	119	3544445	8.312	ppbv	100
66) Benzyl Chloride	16.317	91	265169m	11.972	ppbv	
67) sec-Butylbenzene	16.622	105	4936868	8.255	ppbv	100
69) p-Isopropyltoluene	16.986	119	3994293	8.361	ppbv	100
70) n-Butylbenzene	17.873	91	4113758	8.243	ppbv	100
71) 2-Chlorotoluene	14.790	91	3139219	8.379	ppbv	100
72) 4-Ethyltoluene	15.182	105	3301598	8.730	ppbv	99
73) 1,3,5-Trimethylbenzene	15.339	105	2902626	8.484	ppbv	100
74) 1,2,4-Trimethylbenzene	16.095	105	3120131	8.299	ppbv	100
75) 1,3-Dichlorobenzene	16.317	146	1736286	8.458	ppbv	100
76) 1,4-Dichlorobenzene	16.465	146	1698010	8.378	ppbv	100
77) 1,2-Dichlorobenzene	17.133	146	1629901	8.254	ppbv	100
78) Hexachloro-1,3-Butadiene	22.619	225	1026916m	7.522	ppbv	
79) Naphthalene	21.371	128	2180047	9.762	ppbv	100
80) Naphthalene,2-methyl-	24.365	142	629789	9.828	ppbv	99
81) 1,2,4-Trichlorobenzene	21.127	180	1120039	8.468	ppbv	99

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

Manual Integrations APPROVED

Quant Time: Dec 20 04:20:54 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL121922AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Tue Dec 20 04:20:10 2022
Response via : Initial Calibration

