

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031623\
 Data File : VL040299.D
 Acq On : 16 Mar 2023 17:15
 Operator : SY/MD
 Sample : VSTDC0010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDC0010EC

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 03/17/2023
 Supervised By : Mahesh Dadoda 03/17/2023

Quant Time: Mar 17 05:02:56 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL031523AIR.M

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

QLast Update : Wed Mar 15 16:14:43 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.192	49	1117178	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.658	114	2818488	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.471	117	2878496	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.783 95 2292249 9.509 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 95.100%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.729	85	2088212	9.527	ppbv	96
3) Chlorodifluoromethane	2.671	51	1218523	8.674	ppbv	98
4) Chloromethane	2.809	50	774567	8.929	ppbv	100
5) Vinyl Chloride	2.918	62	666408	9.488	ppbv	100
6) Bromomethane	3.118	94	223245	9.165	ppbv	97
7) Chloroethane	3.195	64	241257	8.947	ppbv	96
8) Dichlorotetrafluoroethane	2.854	85	1659106	8.843	ppbv	100
9) Propene	2.690	41	508202	9.443	ppbv	95
10) Heptane	7.584	43	1261599	9.746	ppbv	99
11) Trichlorofluoromethane	3.562	101	1729784	8.710	ppbv	97
12) 1,1,2-Trichlorotrifluo...	4.066	101	1274964	8.548	ppbv	99
13) Ethanol	3.243	45	28277m	7.164	ppbv	
14) Bromoethene	3.365	108	517174	9.296	ppbv	98
15) Acetone	3.465	43	1163944	8.558	ppbv	99
16) 1,3-Butadiene	2.983	39	586566	9.488	ppbv	99
17) tert-Butyl alcohol	3.877	59	1140173	8.821	ppbv	100
18) 1,1-Dichloroethene	3.880	96	575670	8.997	ppbv	99
19) Isopropyl Alcohol	3.571	45	536651	8.237	ppbv	99
20) Methylene Chloride	3.931	84	459571	8.032	ppbv	95
21) Allyl Chloride	3.996	41	831647	9.440	ppbv	98
22) trans-1,2-Dichloroethene	4.446	96	604028	9.275	ppbv	92
23) Vinyl Acetate	4.626	43	390036	10.308	ppbv	99
24) 1,1-Dichloroethane	4.561	63	1213300	8.990	ppbv	98
25) Ethyl Acetate	5.205	43	2383703	9.361	ppbv	99
26) Hexane	5.211	57	1003230	9.598	ppbv	97
27) Carbon Disulfide	4.124	76	1424003	9.754	ppbv	100
28) Methyl tert-Butyl Ether	4.587	73	1110089	9.250	ppbv	100
29) Chloroform	5.275	83	1736842	9.410	ppbv	96
30) Cyclohexane	6.606	84	839091	10.188	ppbv	99
31) cis-1,2-Dichloroethene	5.079	61	1036911	10.187	ppbv	99
32) 1,1,1-Trichloroethane	6.005	97	1746596	9.878	ppbv	99
34) 2-Butanone	4.787	43	1323429	9.514	ppbv	100
35) Carbon Tetrachloride	6.497	117	1799850	10.176	ppbv	99
36) Benzene	6.372	78	2113264	9.838	ppbv	99
37) 1,2-Dichloroethane	5.809	62	1349802	9.655	ppbv	99
38) Trichloroethene	7.298	130	1263452	10.764	ppbv	99
39) 1,2-Dichloropropane	7.079	63	810555	9.619	ppbv	98
40) 1,4-Dioxane	7.285	88	305521	9.164	ppbv	79
41) Tetrahydrofuran	5.558	42	808452	10.070	ppbv	98
42) Bromodichloromethane	7.256	83	1891741	9.902	ppbv	97
43) Methyl Methacrylate	7.478	69	846959	10.611	ppbv	99
44) 2,2,4-Trimethylpentane	7.330	57	3478627	9.713	ppbv	100
45) t-1,3-Dichloropropene	8.716	75	848987	12.201	ppbv	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031623\
 Data File : VL040299.D
 Acq On : 16 Mar 2023 17:15
 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 03/17/2023
 Supervised By :Mahesh Dadoda 03/17/2023

Quant Time: Mar 17 05:02:56 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL031523AIR.M

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

QLast Update : Wed Mar 15 16:14:43 2023

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.147	75	1122382	11.359	ppbv	99
47) 1,1,2-Trichloroethane	8.905	97	883704	9.828	ppbv	95
48) Dibromochloromethane	9.716	129	1534937	10.374	ppbv	100
49) Bromoform	12.416	173	1176891	10.590	ppbv	100
50) 4-Methyl-2-Pentanone	8.182	43	2177319	10.115	ppbv	99
51) 2-Hexanone	9.555	43	1717525	10.299	ppbv #	99
52) Tetrachloroethene	10.622	164	709249	10.914	ppbv	98
53) Toluene	9.227	91	2407664	10.696	ppbv	98
54) 1,2-Dibromoethane	10.015	107	999484	10.799	ppbv	98
56) 1,1,1,2-Tetrachloroethane	11.516	131	1091135	9.011	ppbv	99
57) Chlorobenzene	11.532	112	1841991	8.996	ppbv	95
58) Ethyl Benzene	12.098	91	3277060	9.998	ppbv	98
59) m/p-Xylene	12.378	91	5686848m	18.940	ppbv	
60) o-Xylene	13.066	91	2711744	9.448	ppbv	99
61) Styrene	12.908	104	1555268	10.678	ppbv	99
62) Isopropylbenzene	14.040	105	3803865	9.306	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.056	83	845419	8.371	ppbv	98
64) n-propylbenzene	14.924	120	959536	9.593	ppbv	98
65) tert-Butylbenzene	16.101	119	3232777	9.178	ppbv	100
66) Benzyl Chloride	16.336	91	224961	9.827	ppbv	98
67) sec-Butylbenzene	16.645	105	4579321	9.090	ppbv	100
69) p-Isopropyltoluene	17.005	119	3656059	9.319	ppbv	100
70) n-Butylbenzene	17.895	91	3943242	9.124	ppbv	100
71) 2-Chlorotoluene	14.812	91	2890841	9.292	ppbv	99
72) 4-Ethyltoluene	15.204	105	3020549	9.625	ppbv	99
73) 1,3,5-Trimethylbenzene	15.358	105	2697206	9.489	ppbv	100
74) 1,2,4-Trimethylbenzene	16.117	105	2915757	8.995	ppbv	97
75) 1,3-Dichlorobenzene	16.342	146	1566946	8.925	ppbv	99
76) 1,4-Dichlorobenzene	16.484	146	1526008	9.113	ppbv	99
77) 1,2-Dichlorobenzene	17.153	146	1468953	8.704	ppbv	99
78) Hexachloro-1,3-Butadiene	22.648	225	1063474	8.593	ppbv	100
79) Naphthalene	21.394	128	2265009	11.811	ppbv	98
80) Naphthalene,2-methyl-	24.384	142	595554	12.262	ppbv	95
81) 1,2,4-Trichlorobenzene	21.149	180	1174095	9.940	ppbv	100

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

