

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL021422\
 Data File : VL038361.D
 Acq On : 15 Feb 2022 10:28
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 02/16/2022
 Supervised By : Mahesh Dadoda 02/18/2022

Quant Time: Feb 16 00:42:15 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL012422AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Jan 24 2022

QLast Update : Mon Jan 24 14:12:48 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.626	49	619927	10.000	ppbv	-0.05
33) 1,4-Difluorobenzene	7.128	114	2138873	10.000	ppbv	-0.05
55) Chlorobenzene-d5	12.028	117	1925459m	10.000	ppbv	-0.06

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.359 95 1625439 11.122 ppbv -0.05
 Spiked Amount 10.000 Range 65 - 135 Recovery = 111.200%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.025	85	1177800	8.925	ppbv	100
3) Chlorodifluoromethane	2.967	51	1461541	11.843	ppbv	99
4) Chloromethane	3.118	50	470462	11.081	ppbv	97
5) Vinyl Chloride	3.231	62	468345	11.052	ppbv	100
6) Bromomethane	3.449	94	175122	7.644	ppbv	97
7) Chloroethane	3.533	64	162566	11.358	ppbv	100
8) Dichlorotetrafluoroethane	3.163	85	1152530	11.286	ppbv	100
9) Propene	2.989	41	448814	11.172	ppbv	100
10) Heptane	8.073	43	1140258	11.032	ppbv	99
11) Trichlorofluoromethane	3.919	101	1216153	11.829	ppbv	100
12) 1,1,2-Trichlorotrifluo...	4.452	101	899866	11.579	ppbv	100
13) Ethanol	3.578	45	56874m	13.187	ppbv	
14) Bromoethene	3.710	108	350186	11.532	ppbv	99
15) Acetone	3.816	43	754892	13.814	ppbv	100
16) 1,3-Butadiene	3.301	39	490707	12.513	ppbv	92
17) tert-Butyl alcohol	4.250	59	650343	10.843	ppbv	97
18) 1,1-Dichloroethene	4.256	96	390804	11.564	ppbv	96
19) Isopropyl Alcohol	3.932	45	366232	10.713	ppbv	99
20) Methylene Chloride	4.311	84	318686	10.027	ppbv	97
21) Allyl Chloride	4.378	41	499747	10.336	ppbv	98
22) trans-1,2-Dichloroethene	4.848	96	405808	11.622	ppbv	99
23) Vinyl Acetate	5.034	43	945494	11.900	ppbv	99
24) 1,1-Dichloroethane	4.973	63	817316	11.546	ppbv	99
25) Ethyl Acetate	5.632	43	1293543	8.454	ppbv	99
26) Hexane	5.645	57	632139	8.883	ppbv	96
27) Carbon Disulfide	4.513	76	934624	11.225	ppbv	99
28) Methyl tert-Butyl Ether	4.996	73	810103	10.973	ppbv	99
29) Chloroform	5.710	83	1156542	9.956	ppbv	100
30) Cyclohexane	7.083	84	706254	11.398	ppbv	99
31) cis-1,2-Dichloroethene	5.507	61	621076	10.004	ppbv	98
32) 1,1,1-Trichloroethane	6.468	97	1299020	11.196	ppbv	99
34) 2-Butanone	5.205	43	629460	8.999	ppbv	100
35) Carbon Tetrachloride	6.970	117	1328666	8.850	ppbv	98
36) Benzene	6.845	78	1712057	9.049	ppbv	98
37) 1,2-Dichloroethane	6.263	62	980188	9.045	ppbv	100
38) Trichloroethene	7.787	130	596606	8.465	ppbv	96
39) 1,2-Dichloropropane	7.562	63	670459	8.741	ppbv	98
40) 1,4-Dioxane	7.787	88	148474	8.042	ppbv #	1
41) Tetrahydrofuran	6.005	42	379451	8.070	ppbv	99
42) Bromodichloromethane	7.742	83	1445939	8.994	ppbv	98
43) Methyl Methacrylate	7.967	69	650245	9.717	ppbv	98
44) 2,2,4-Trimethylpentane	7.819	57	2954413	8.861	ppbv	98
45) t-1,3-Dichloropropene	9.224	75	210585	3.873	ppbv	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL021422\
 Data File : VL038361.D
 Acq On : 15 Feb 2022 10:28
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 02/16/2022
 Supervised By : Mahesh Dadoda 02/18/2022

Quant Time: Feb 16 00:42:15 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL012422AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Jan 24 2022

QLast Update : Mon Jan 24 14:12:48 2022

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.652	75	382412	5.271	ppbv	98
47) 1,1,2-Trichloroethane	9.423	97	678846	9.007	ppbv	99
48) Dibromochloromethane	10.250	129	1151015	9.071	ppbv	98
49) Bromoform	12.983	173	864610	9.452	ppbv	97
50) 4-Methyl-2-Pentanone	8.690	43	1255075	10.058	ppbv	98
51) 2-Hexanone	10.082	43	612282	11.141	ppbv #	98
52) Tetrachloroethene	11.166	164	526768	8.079	ppbv	97
53) Toluene	9.754	91	1873413	8.946	ppbv	99
54) 1,2-Dibromoethane	10.555	107	908790	8.482	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.069	131	778249	9.235	ppbv	97
57) Chlorobenzene	12.089	112	1309860	8.501	ppbv	99
58) Ethyl Benzene	12.655	91	2524224	8.920	ppbv	98
59) m/p-Xylene	12.941	91	4208544m	17.432	ppbv	
60) o-Xylene	13.635	91	1977538	8.807	ppbv	100
61) Styrene	13.471	104	931697	8.891	ppbv	99
62) Isopropylbenzene	14.613	105	2743280	9.164	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.619	83	1510015	9.089	ppbv	99
64) n-propylbenzene	15.503	120	683755	9.495	ppbv	97
65) tert-Butylbenzene	16.687	119	2366353	9.598	ppbv	99
66) Benzyl Chloride	16.931	91	39595m	3.535	ppbv	
67) sec-Butylbenzene	17.240	105	3292918	9.601	ppbv	100
69) p-Isopropyltoluene	17.597	119	2553059	9.727	ppbv	99
70) n-Butylbenzene	18.494	91	2577742	10.027	ppbv	100
71) 2-Chlorotoluene	15.394	91	2049768	9.245	ppbv	100
72) 4-Ethyltoluene	15.783	105	2217391	9.443	ppbv	99
73) 1,3,5-Trimethylbenzene	15.944	105	1975887	9.357	ppbv	97
74) 1,2,4-Trimethylbenzene	16.706	105	2033729	9.142	ppbv	93
75) 1,3-Dichlorobenzene	16.937	146	1096722	9.186	ppbv	99
76) 1,4-Dichlorobenzene	17.082	146	1024226	8.861	ppbv	97
77) 1,2-Dichlorobenzene	17.757	146	1051680	9.485	ppbv	99
78) Hexachloro-1,3-Butadiene	23.320	225	611557	7.933	ppbv	99
79) Naphthalene	22.124	128	973602m	9.360	ppbv	
80) Naphthalene,2-methyl-	24.934	142	125339	11.081	ppbv	93
81) 1,2,4-Trichlorobenzene	21.863	180	553558	9.048	ppbv	99

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

