

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100621\
 Data File : VU045196.D
 Acq On : 06 Oct 2021 20:12
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050093

Quant Time: Oct 07 04:53:04 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092321WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 07 03:00:32 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	331629	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	323124	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.816	152	159334	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	134277	36.987	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	73.980%
7) Chloroethane-d5	1.890	69	113617	39.494	ug/L	-0.02
Spiked Amount	50.000	Range	70 - 130	Recovery	=	78.980%
11) 1,1-Dichloroethene-d2	2.565	63	242764	39.819	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	79.640%
21) 2-Butanone-d5	4.626	46	233929	81.506	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	81.510%
24) Chloroform-d	5.067	84	239295	41.734	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.460%
26) 1,2-Dichloroethane-d4	5.706	65	161594	41.607	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.220%
32) Benzene-d6	5.729	84	476743	42.520	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.040%
36) 1,2-Dichloropropane-d6	6.694	67	152179	41.625	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	83.240%
41) Toluene-d8	7.903	98	439038	45.374	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.740%
43) trans-1,3-Dichloroprop...	8.182	79	75469	46.406	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.820%
47) 2-Hexanone-d5	8.636	63	179775	88.733	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	88.730%
56) 1,1,2,2-Tetrachloroeth...	10.761	84	244551	42.956	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	85.920%
66) 1,2-Dichlorobenzene-d4	12.195	152	161044	46.443	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.880%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	126828	39.941	ug/L	99
3) Chloromethane	1.523	50	135413	34.213	ug/L	99
5) Vinyl chloride	1.604	62	152131	39.232	ug/L	94
6) Bromomethane	1.829	94	47507	25.543	ug/L	99
8) Chloroethane	1.916	64	99242	40.778	ug/L	98
9) Trichlorofluoromethane	2.128	101	191575	43.164	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	115904	41.375	ug/L	100
12) 1,1-Dichloroethene	2.575	96	113871	44.341	ug/L	89
13) Acetone	2.633	43	194632	58.666	ug/L	100
14) Carbon disulfide	2.790	76	330571	40.180	ug/L	100
15) Methyl Acetate	2.951	43	162641	39.749	ug/L	95
16) Methylene chloride	3.047	84	142990	43.949	ug/L	94
17) trans-1,2-Dichloroethene	3.353	96	120506	44.545	ug/L	96
18) Methyl tert-butyl Ether	3.369	73	444722	49.855	ug/L	98
19) 1,1-Dichloroethane	3.871	63	241733	42.952	ug/L	99
20) cis-1,2-Dichloroethene	4.668	96	139368	46.752	ug/L	94
22) 2-Butanone	4.707	43	267506	72.042	ug/L	97
23) Bromochloromethane	4.980	128	67901	44.932	ug/L	91
25) Chloroform	5.092	83	243666	43.550	ug/L	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100621\
 Data File : VU045196.D
 Acq On : 06 Oct 2021 20:12
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050093

Quant Time: Oct 07 04:53:04 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092321WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 07 03:00:32 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.797	62	208036	44.455	ug/L	99
29) Cyclohexane	5.391	56	219843	45.263	ug/L	97
30) 1,1,1-Trichloroethane	5.317	97	203679	45.536	ug/L	98
31) Carbon tetrachloride	5.526	117	156043	44.170	ug/L	98
33) Benzene	5.777	78	537433	44.844	ug/L	100
34) Trichloroethene	6.546	95	131926	45.831	ug/L	99
35) Methylcyclohexane	6.764	83	213222	44.243	ug/L	96
37) 1,2-Dichloropropane	6.793	63	142457	43.658	ug/L	99
38) Bromodichloromethane	7.108	83	183018	45.757	ug/L	99
39) cis-1,3-Dichloropropene	7.610	75	223874	47.950	ug/L	99
40) 4-Methyl-2-pentanone	7.796	43	491697	90.206	ug/L	96
42) Toluene	7.973	91	580880	47.703	ug/L	99
44) trans-1,3-Dichloropropene	8.214	75	216017	48.658	ug/L	97
45) 1,1,2-Trichloroethane	8.404	97	140689	47.576	ug/L	98
46) Tetrachloroethene	8.555	164	89552	43.525	ug/L	98
48) 2-Hexanone	8.687	43	407948	84.398	ug/L	97
49) Dibromochloromethane	8.816	129	134099	45.852	ug/L	100
50) 1,2-Dibromoethane	8.928	107	147059	47.498	ug/L	100
51) Chlorobenzene	9.449	112	355052	47.230	ug/L	99
52) Ethylbenzene	9.574	91	634608	49.333	ug/L	99
53) m,p-Xylene	9.697	106	242232	49.708	ug/L	99
54) o-xylene	10.105	106	242940	50.733	ug/L	98
55) Styrene	10.118	104	420024	51.005	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.787	83	256061	45.224	ug/L	100
59) Bromoform	10.295	173	97223	49.200	ug/L	98
60) 1,2,3-Trichloropropane	10.825	75	210814	47.837	ug/L	99
61) Isopropylbenzene	10.488	105	631647	54.168	ug/L	100
62) 1,3,5-Trimethylbenzene	11.092	105	542333	55.691	ug/L	99
63) 1,2,4-Trimethylbenzene	11.472	105	549941	55.147	ug/L	99
64) 1,3-Dichlorobenzene	11.748	146	265747	49.314	ug/L	99
65) 1,4-Dichlorobenzene	11.838	146	267021	48.295	ug/L	99
67) 1,2-Dichlorobenzene	12.214	146	274156	49.557	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.999	75	60679	47.913	ug/L	99
69) 1,3,5-Trichlorobenzene	13.221	180	178903	47.838	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	158716	51.071	ug/L	99
71) Naphthalene	14.089	128	654857	60.808	ug/L	99
72) 1,2,3-Trichlorobenzene	14.333	180	162898	51.232	ug/L	100

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

