

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100721\
 Data File : VU045198.D
 Acq On : 07 Oct 2021 09:33
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050094

Quant Time: Oct 07 21:31:30 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	312966	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	304309	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.815	152	150486	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	125301	36.573	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	73.140%
7) Chloroethane-d5	1.909	69	105912	39.011	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	78.020%
11) 1,1-Dichloroethene-d2	2.571	63	232565	40.421	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	80.840%
21) 2-Butanone-d5	4.626	46	216503	79.933	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	79.930%
24) Chloroform-d	5.070	84	231463	42.776	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.560%
26) 1,2-Dichloroethane-d4	5.706	65	155173	42.336	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.680%
32) Benzene-d6	5.732	84	455776	43.163	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.320%
36) 1,2-Dichloropropane-d6	6.697	67	143909	41.797	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	83.600%
41) Toluene-d8	7.902	98	416890	45.749	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.500%
43) trans-1,3-Dichloroprop...	8.182	79	72326	47.223	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.440%
47) 2-Hexanone-d5	8.636	63	156262	81.896	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	81.900%
56) 1,1,2,2-Tetrachloroeth...	10.761	84	222631	41.524	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	83.040%
66) 1,2-Dichlorobenzene-d4	12.198	152	153372	46.831	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.660%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.388	85	126385	42.175	ug/L	99
3) Chloromethane	1.523	50	129609	34.699	ug/L	100
5) Vinyl chloride	1.607	62	147094	40.195	ug/L	97
6) Bromomethane	1.848	94	83366	47.496	ug/L	97
8) Chloroethane	1.932	64	95951	41.777	ug/L	99
9) Trichlorofluoromethane	2.141	101	193967	46.309	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	116741	44.159	ug/L	99
12) 1,1-Dichloroethene	2.581	96	111534	46.021	ug/L	93
13) Acetone	2.629	43	227715	72.730	ug/L	97
14) Carbon disulfide	2.797	76	322274	41.507	ug/L	100
15) Methyl Acetate	2.951	43	152133	39.398	ug/L	94
16) Methylene chloride	3.051	84	133013	43.321	ug/L	93
17) trans-1,2-Dichloroethene	3.356	96	117739	46.117	ug/L	97
18) Methyl tert-butyl Ether	3.369	73	420462	49.946	ug/L	99
19) 1,1-Dichloroethane	3.874	63	233008	43.870	ug/L	98
20) cis-1,2-Dichloroethene	4.671	96	136958	48.683	ug/L	90
22) 2-Butanone	4.706	43	274417	78.310	ug/L	96
23) Bromochloromethane	4.980	128	65933	46.232	ug/L	91
25) Chloroform	5.096	83	239309	45.322	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.800	62	199676	45.213	ug/L	99
29) Cyclohexane	5.395	56	210389	45.995	ug/L	95
30) 1,1,1-Trichloroethane	5.321	97	200430	47.580	ug/L	98
31) Carbon tetrachloride	5.530	117	155730	46.806	ug/L	97
33) Benzene	5.780	78	519042	45.987	ug/L	100
34) Trichloroethene	6.546	95	128903	47.549	ug/L	99
35) Methylcyclohexane	6.767	83	215244	47.424	ug/L	95
37) 1,2-Dichloropropane	6.796	63	136935	44.560	ug/L	98
38) Bromodichloromethane	7.112	83	178238	47.317	ug/L	100
39) cis-1,3-Dichloropropene	7.613	75	219041	49.816	ug/L	98
40) 4-Methyl-2-pentanone	7.796	43	441322	85.970	ug/L	97
42) Toluene	7.973	91	562391	49.041	ug/L	99
44) trans-1,3-Dichloropropene	8.214	75	207948	49.737	ug/L	98
45) 1,1,2-Trichloroethane	8.404	97	132182	47.463	ug/L	99
46) Tetrachloroethene	8.558	164	90615	46.764	ug/L	98
48) 2-Hexanone	8.687	43	378195	83.080	ug/L	98
49) Dibromochloromethane	8.816	129	131112	47.603	ug/L	100
50) 1,2-Dibromoethane	8.928	107	140080	48.041	ug/L	100
51) Chlorobenzene	9.452	112	338312	47.786	ug/L	98
52) Ethylbenzene	9.574	91	607121	50.115	ug/L	100
53) m,p-Xylene	9.697	106	234906	51.185	ug/L	98
54) o-xylene	10.105	106	234054	51.900	ug/L	99
55) Styrene	10.118	104	394377	50.852	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.787	83	231249	43.367	ug/L	100
59) Bromoform	10.295	173	92676	49.656	ug/L	99
60) 1,2,3-Trichloropropane	10.825	75	189863	45.616	ug/L	99
61) Isopropylbenzene	10.488	105	610084	55.395	ug/L	100
62) 1,3,5-Trimethylbenzene	11.092	105	519509	56.483	ug/L	99
63) 1,2,4-Trimethylbenzene	11.471	105	528306	56.093	ug/L	100
64) 1,3-Dichlorobenzene	11.748	146	258319	50.754	ug/L	99
65) 1,4-Dichlorobenzene	11.841	146	258649	49.531	ug/L	100
67) 1,2-Dichlorobenzene	12.217	146	259446	49.656	ug/L	99
68) 1,2-Dibromo-3-chloropr...	13.002	75	56240	47.019	ug/L	98
69) 1,3,5-Trichlorobenzene	13.224	180	179548	50.833	ug/L	98
70) 1,2,4-trichlorobenzene	13.844	180	154991	52.805	ug/L	99
71) Naphthalene	14.089	128	573435	56.378	ug/L	100
72) 1,2,3-Trichlorobenzene	14.333	180	153106	50.983	ug/L	99

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

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