

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU051122\
 Data File : VU048507.D
 Acq On : 11 May 2022 10:35
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050122

Quant Time: May 12 03:36:03 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM050622WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed May 11 05:17:27 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	270314	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	264586	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	153117	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	79289	34.059	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	68.120%
7) Chloroethane-d5	1.912	69	61814	40.685	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	81.360%
11) 1,1-Dichloroethene-d2	2.572	63	183530	44.297	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.600%
21) 2-Butanone-d5	4.626	46	174179	87.853	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	87.850%
24) Chloroform-d	5.063	84	204349	50.537	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.080%
26) 1,2-Dichloroethane-d4	5.703	65	136622	51.978	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.960%
32) Benzene-d6	5.729	84	354394	44.078	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.160%
36) 1,2-Dichloropropane-d6	6.690	67	106610	40.661	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	81.320%
41) Toluene-d8	7.899	98	328762	46.234	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.460%
43) trans-1,3-Dichloroprop...	8.179	79	60697	50.297	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.600%
47) 2-Hexanone-d5	8.632	63	127530	100.495	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	100.490%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	175633	43.977	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	87.960%
66) 1,2-Dichlorobenzene-d4	12.192	152	139995	46.173	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.340%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	130041	53.181	ug/L	100
3) Chloromethane	1.523	50	95806	34.254	ug/L	98
5) Vinyl chloride	1.604	62	102896	38.725	ug/L	96
6) Bromomethane	1.858	94	68709	52.290	ug/L	97
8) Chloroethane	1.935	64	62657	43.861	ug/L	99
9) Trichlorofluoromethane	2.141	101	193737	55.495	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	102191	51.010	ug/L	98
12) 1,1-Dichloroethene	2.584	96	92615	48.896	ug/L	86
13) Acetone	2.636	43	185820	124.317	ug/L	97
14) Carbon disulfide	2.797	76	262446	44.703	ug/L	100
15) Methyl Acetate	2.951	43	121442	39.660	ug/L	92
16) Methylene chloride	3.047	84	112181	48.431	ug/L	89
17) trans-1,2-Dichloroethene	3.356	96	99778	49.376	ug/L	97
18) Methyl tert-butyl Ether	3.366	73	343257	50.439	ug/L	97
19) 1,1-Dichloroethane	3.871	63	193750	46.498	ug/L	98
20) cis-1,2-Dichloroethene	4.668	96	110030	48.251	ug/L	93
22) 2-Butanone	4.707	43	205636	92.033	ug/L	95
23) Bromochloromethane	4.977	128	61291	51.001	ug/L	86
25) Chloroform	5.089	83	215184	52.297	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.797	62	183219	54.159	ug/L	99
29) Cyclohexane	5.391	56	153610	42.072	ug/L	90
30) 1,1,1-Trichloroethane	5.317	97	206651	56.240	ug/L	98
31) Carbon tetrachloride	5.526	117	186247	59.195	ug/L	100
33) Benzene	5.774	78	430359	47.240	ug/L	100
34) Trichloroethene	6.542	95	113001	50.462	ug/L	99
35) Methylcyclohexane	6.764	83	175300	49.064	ug/L	96
37) 1,2-Dichloropropane	6.790	63	109113	42.914	ug/L	98
38) Bromodichloromethane	7.105	83	164409	53.105	ug/L	98
39) cis-1,3-Dichloropropene	7.607	75	179615	49.665	ug/L	100
40) 4-Methyl-2-pentanone	7.790	43	340221	83.511	ug/L #	96
42) Toluene	7.970	91	468199	49.796	ug/L	100
44) trans-1,3-Dichloropropene	8.211	75	187493	53.348	ug/L	99
45) 1,1,2-Trichloroethane	8.401	97	112347	48.859	ug/L	97
46) Tetrachloroethene	8.552	164	92661	55.081	ug/L	99
48) 2-Hexanone	8.684	43	296712	87.637	ug/L	97
49) Dibromochloromethane	8.809	129	136284	55.190	ug/L	99
50) 1,2-Dibromoethane	8.925	107	124394	51.178	ug/L	98
51) Chlorobenzene	9.446	112	310636	52.434	ug/L	97
52) Ethylbenzene	9.571	91	509732	52.043	ug/L	98
53) m,p-Xylene	9.693	106	204009	53.962	ug/L	98
54) o-Xylene	10.102	106	197297	51.872	ug/L	97
55) Styrene	10.115	104	345891	55.932	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.783	83	187371	43.478	ug/L #	99
59) Bromoform	10.292	173	107990	49.729	ug/L	99
60) 1,2,3-Trichloropropane	10.822	75	166362	41.623	ug/L	96
61) Isopropylbenzene	10.484	105	524204	48.857	ug/L	99
62) 1,3,5-Trimethylbenzene	11.089	105	293773	49.669	ug/L	100
63) 1,2,4-Trimethylbenzene	11.468	105	467788	53.107	ug/L	100
64) 1,3-Dichlorobenzene	11.745	146	256174	50.624	ug/L	98
65) 1,4-Dichlorobenzene	11.835	146	257379	50.731	ug/L	98
67) 1,2-Dichlorobenzene	12.211	146	256172	49.469	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.996	75	59287	50.609	ug/L	97
69) 1,3,5-Trichlorobenzene	13.217	180	197421	55.178	ug/L	98
70) 1,2,4-trichlorobenzene	13.841	180	173254	55.760	ug/L	98
71) Naphthalene	14.086	128	586285	48.998	ug/L	100
72) 1,2,3-Trichlorobenzene	14.330	180	179428	54.295	ug/L	99

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

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