

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020123\
 Data File : VU052918.D
 Acq On : 01 Feb 2023 20:36
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050148

Quant Time: Feb 01 21:02:12 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM012623WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Feb 01 20:03:09 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	255404	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	246225	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	143315	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	82999	45.150	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.300%
7) Chloroethane-d5	1.906	69	77734	51.320	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	102.640%
11) 1,1-Dichloroethene-d2	2.565	63	169390	46.328	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.660%
21) 2-Butanone-d5	4.620	46	109289	96.239	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	96.240%
24) Chloroform-d	5.057	84	187030	47.673	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.340%
26) 1,2-Dichloroethane-d4	5.697	65	120205	47.985	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.980%
32) Benzene-d6	5.722	84	352230	46.823	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.640%
36) 1,2-Dichloropropane-d6	6.684	67	105059	47.619	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.240%
41) Toluene-d8	7.893	98	324252	47.336	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.680%
43) trans-1,3-Dichloroprop...	8.176	79	52301	47.297	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.600%
47) 2-Hexanone-d5	8.632	63	78368	101.092	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	101.090%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	153366	47.049	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.100%
66) 1,2-Dichlorobenzene-d4	12.188	152	132123	47.479	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.960%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	108015	45.165	ug/L	99
3) Chloromethane	1.520	50	99328	50.357	ug/L	98
5) Vinyl chloride	1.604	62	109660	50.254	ug/L	98
6) Bromomethane	1.851	94	70628	51.322	ug/L	96
8) Chloroethane	1.925	64	72422	52.840	ug/L	96
9) Trichlorofluoromethane	2.131	101	180593	49.411	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	94042	45.649	ug/L	97
12) 1,1-Dichloroethene	2.575	96	88609	46.898	ug/L	95
13) Acetone	2.626	43	88284	63.653	ug/L	96
14) Carbon disulfide	2.790	76	255692	44.808	ug/L	98
15) Methyl Acetate	2.944	43	88610	47.417	ug/L	98
16) Methylene chloride	3.041	84	104220	46.371	ug/L	97
17) trans-1,2-Dichloroethene	3.346	96	93348	45.718	ug/L	99
18) Methyl tert-butyl Ether	3.356	73	301188	50.166	ug/L	99
19) 1,1-Dichloroethane	3.864	63	175577	49.032	ug/L	98
20) cis-1,2-Dichloroethene	4.661	96	105301	48.303	ug/L	97
22) 2-Butanone	4.697	43	125683	84.780	ug/L	100
23) Bromochloromethane	4.967	128	56982	46.547	ug/L	98
25) Chloroform	5.083	83	190650	47.426	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.787	62	154464	48.537	ug/L	99
29) Cyclohexane	5.385	56	137475	47.116	ug/L	98
30) 1,1,1-Trichloroethane	5.311	97	176998	48.870	ug/L	99
31) Carbon tetrachloride	5.520	117	153243	48.810	ug/L	99
33) Benzene	5.767	78	399822	47.703	ug/L	100
34) Trichloroethene	6.536	95	126745	59.495	ug/L	97
35) Methylcyclohexane	6.758	83	159067	47.176	ug/L	99
37) 1,2-Dichloropropane	6.783	63	98358	47.732	ug/L	98
38) Bromodichloromethane	7.099	83	145896	48.248	ug/L	97
39) cis-1,3-Dichloropropene	7.603	75	156779	48.570	ug/L	99
40) 4-Methyl-2-pentanone	7.790	43	246432	101.509	ug/L	99
42) Toluene	7.963	91	421170	49.030	ug/L	99
44) trans-1,3-Dichloropropene	8.205	75	155977	49.170	ug/L	99
45) 1,1,2-Trichloroethane	8.394	97	101859	48.338	ug/L	98
46) Tetrachloroethene	8.549	164	84233	45.919	ug/L	99
48) 2-Hexanone	8.684	43	193118	94.030	ug/L	98
49) Dibromochloromethane	8.806	129	119691	47.497	ug/L	100
50) 1,2-Dibromoethane	8.918	107	108534	47.856	ug/L	97
51) Chlorobenzene	9.443	112	337801	57.159	ug/L	100
52) Ethylbenzene	9.565	91	450399	49.063	ug/L	99
53) m,p-Xylene	9.690	106	182751	49.175	ug/L	97
54) o-xylene	10.095	106	178890	50.423	ug/L	96
55) Styrene	10.111	104	308042	50.598	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.777	83	167025	48.978	ug/L	98
59) Bromoform	10.288	173	93428	47.573	ug/L	99
60) 1,2,3-Trichloropropane	10.819	75	132317	47.597	ug/L	99
61) Isopropylbenzene	10.478	105	455627	49.225	ug/L	99
62) 1,3,5-Trimethylbenzene	11.082	105	387156	50.235	ug/L	99
63) 1,2,4-Trimethylbenzene	11.462	105	382157	51.243	ug/L	99
64) 1,3-Dichlorobenzene	11.741	146	222576	47.662	ug/L	99
65) 1,4-Dichlorobenzene	11.831	146	253622	52.461	ug/L	100
67) 1,2-Dichlorobenzene	12.208	146	323488	68.485	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.989	75	37482	47.038	ug/L	91
69) 1,3,5-Trichlorobenzene	13.214	180	156845	45.368	ug/L	98
70) 1,2,4-trichlorobenzene	13.835	180	129395	44.642	ug/L	97
71) Naphthalene	14.082	128	374642	44.978	ug/L	100
72) 1,2,3-Trichlorobenzene	14.323	180	135863	44.353	ug/L	98

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

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