

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112122\
 Data File : VU051992.D
 Acq On : 21 Nov 2022 11:10
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050129

Quant Time: Nov 22 00:56:44 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112122WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Nov 22 00:50:51 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	490026	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	475963	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	235911	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	148325	34.929	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	69.860%
7) Chloroethane-d5	1.916	69	121479	36.122	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	72.240%
11) 1,1-Dichloroethene-d2	2.572	63	241572	38.379	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	76.760%
21) 2-Butanone-d5	4.620	46	179172	70.214	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	70.210%
24) Chloroform-d	5.063	84	252884	36.347	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	72.700%
26) 1,2-Dichloroethane-d4	5.700	65	147888	35.342	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	70.680%
32) Benzene-d6	5.726	84	530942	37.425	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	74.840%
36) 1,2-Dichloropropane-d6	6.690	67	164752	36.148	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	72.300%
41) Toluene-d8	7.896	98	482410	38.059	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	76.120%#
43) trans-1,3-Dichloroprop...	8.179	79	70530	36.352	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	72.700%
47) 2-Hexanone-d5	8.629	63	126405	71.097	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	71.100%
56) 1,1,2,2-Tetrachloroeth...	10.755	84	248890	34.518	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	69.040%
66) 1,2-Dichlorobenzene-d4	12.192	152	169252	34.693	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	69.380%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.388	85	121736	46.278	ug/L	99
3) Chloromethane	1.527	50	167089	44.322	ug/L	100
5) Vinyl chloride	1.607	62	174488	45.079	ug/L	99
6) Bromomethane	1.858	94	100504	51.731	ug/L	98
8) Chloroethane	1.935	64	115542	45.523	ug/L	99
9) Trichlorofluoromethane	2.141	101	213405	46.120	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	137991	46.445	ug/L	98
12) 1,1-Dichloroethene	2.581	96	131099	46.204	ug/L	91
13) Acetone	2.620	43	258655	110.960	ug/L	99
14) Carbon disulfide	2.793	76	331085	46.145	ug/L	100
15) Methyl Acetate	2.945	43	174589	46.913	ug/L	100
16) Methylene chloride	3.047	84	190512	44.084	ug/L	99
17) trans-1,2-Dichloroethene	3.356	96	141935	47.014	ug/L	99
18) Methyl tert-butyl Ether	3.363	73	459662	46.875	ug/L	100
19) 1,1-Dichloroethane	3.871	63	285555	45.976	ug/L	99
20) cis-1,2-Dichloroethene	4.668	96	170811	47.126	ug/L	99
22) 2-Butanone	4.697	43	296513	102.019	ug/L	100
23) Bromochloromethane	4.973	128	92842	47.586	ug/L	98
25) Chloroform	5.089	83	302425	47.189	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.793	62	225835	46.971	ug/L	100
29) Cyclohexane	5.388	56	199365	47.765	ug/L	99
30) 1,1,1-Trichloroethane	5.314	97	225093	46.116	ug/L	99
31) Carbon tetrachloride	5.523	117	187001	47.321	ug/L	99
33) Benzene	5.774	78	679510	48.191	ug/L	100
34) Trichloroethene	6.542	95	157800	47.964	ug/L	99
35) Methylcyclohexane	6.761	83	221267	49.072	ug/L	100
37) 1,2-Dichloropropane	6.790	63	187037	47.482	ug/L	99
38) Bromodichloromethane	7.105	83	229841	47.259	ug/L	99
39) cis-1,3-Dichloropropene	7.607	75	253951	47.675	ug/L	100
40) 4-Methyl-2-pentanone	7.787	43	485679	96.939	ug/L	100
42) Toluene	7.967	91	730807	50.157	ug/L	98
44) trans-1,3-Dichloropropene	8.208	75	236585	47.485	ug/L	99
45) 1,1,2-Trichloroethane	8.398	97	188357	48.506	ug/L	97
46) Tetrachloroethene	8.552	164	119495	48.144	ug/L	99
48) 2-Hexanone	8.681	43	413787	99.803	ug/L	99
49) Dibromochloromethane	8.806	129	189107	47.919	ug/L	99
50) 1,2-Dibromoethane	8.922	107	187312	48.027	ug/L	100
51) Chlorobenzene	9.446	112	457886	47.763	ug/L	99
52) Ethylbenzene	9.568	91	730194	49.219	ug/L	99
53) m,p-Xylene	9.693	106	288610	50.351	ug/L	99
54) o-Xylene	10.099	106	291511	50.263	ug/L	96
55) Styrene	10.111	104	507059	51.606	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.780	83	331867	46.964	ug/L	99
59) Bromoform	10.288	173	140693	46.049	ug/L	100
60) 1,2,3-Trichloropropane	10.819	75	254956	46.542	ug/L	99
61) Isopropylbenzene	10.481	105	720192	50.031	ug/L	100
62) 1,3,5-Trimethylbenzene	11.086	105	589164	51.228	ug/L	99
63) 1,2,4-Trimethylbenzene	11.465	105	581342	51.870	ug/L	100
64) 1,3-Dichlorobenzene	11.742	146	342080	49.022	ug/L	100
65) 1,4-Dichlorobenzene	11.835	146	340579	47.900	ug/L	99
67) 1,2-Dichlorobenzene	12.208	146	353764	48.385	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.992	75	63488	47.042	ug/L	99
69) 1,3,5-Trichlorobenzene	13.214	180	227347	48.802	ug/L	99
70) 1,2,4-trichlorobenzene	13.838	180	182248	48.701	ug/L	96
71) Naphthalene	14.082	128	656732	53.905	ug/L	99
72) 1,2,3-Trichlorobenzene	14.327	180	211454	52.157	ug/L	99

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

