

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112822\
 Data File : VU052140.D
 Acq On : 28 Nov 2022 11:25
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050136

Quant Time: Nov 28 21:42:30 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112122WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Nov 25 21:01:09 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	472280	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	456314	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	234934	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	190655	46.585	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	93.160%
7) Chloroethane-d5	1.909	69	151085	46.613	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.220%
11) 1,1-Dichloroethene-d2	2.568	63	296636	48.897	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.800%
21) 2-Butanone-d5	4.616	46	245276	99.731	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.730%
24) Chloroform-d	5.063	84	319564	47.657	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.320%
26) 1,2-Dichloroethane-d4	5.700	65	187622	46.522	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.040%
32) Benzene-d6	5.726	84	672060	49.412	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.820%
36) 1,2-Dichloropropane-d6	6.690	67	208097	47.624	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.240%
41) Toluene-d8	7.896	98	612712	50.420	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.840%
43) trans-1,3-Dichloroprop...	8.176	79	92269	49.604	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.200%
47) 2-Hexanone-d5	8.629	63	179450	105.279	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	105.280%
56) 1,1,2,2-Tetrachloroeth...	10.754	84	324201	46.898	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.800%
66) 1,2-Dichlorobenzene-d4	12.192	152	217267	44.721	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.440%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	134921	53.218	ug/L	99
3) Chloromethane	1.527	50	185263	50.990	ug/L	98
5) Vinyl chloride	1.607	62	182631	48.956	ug/L	100
6) Bromomethane	1.851	94	74111	39.579	ug/L	99
8) Chloroethane	1.932	64	122380	50.029	ug/L	98
9) Trichlorofluoromethane	2.137	101	235962	52.910	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	154617	53.997	ug/L	99
12) 1,1-Dichloroethene	2.581	96	139458	50.996	ug/L	92
13) Acetone	2.620	43	272378	121.237	ug/L	99
14) Carbon disulfide	2.793	76	337215	48.765	ug/L	98
15) Methyl Acetate	2.945	43	193151	53.851	ug/L	99
16) Methylene chloride	3.047	84	190188	45.662	ug/L	97
17) trans-1,2-Dichloroethene	3.353	96	145671	50.065	ug/L	99
18) Methyl tert-butyl Ether	3.362	73	478973	50.680	ug/L	100
19) 1,1-Dichloroethane	3.867	63	303148	50.642	ug/L	100
20) cis-1,2-Dichloroethene	4.665	96	179540	51.395	ug/L	98
22) 2-Butanone	4.697	43	335516	119.776	ug/L	100
23) Bromochloromethane	4.973	128	96459	51.297	ug/L	98
25) Chloroform	5.086	83	320394	51.871	ug/L	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.793	62	234124	50.525	ug/L	100
29) Cyclohexane	5.388	56	217936	54.463	ug/L	99
30) 1,1,1-Trichloroethane	5.314	97	249107	53.234	ug/L	98
31) Carbon tetrachloride	5.523	117	206989	54.635	ug/L	98
33) Benzene	5.774	78	701182	51.869	ug/L	100
34) Trichloroethene	6.542	95	160259	50.809	ug/L	98
35) Methylcyclohexane	6.764	83	245042	56.685	ug/L	99
37) 1,2-Dichloropropane	6.790	63	196942	52.149	ug/L	100
38) Bromodichloromethane	7.105	83	244200	52.373	ug/L	98
39) cis-1,3-Dichloropropene	7.607	75	267348	52.351	ug/L	98
40) 4-Methyl-2-pentanone	7.787	43	533301	111.028	ug/L	100
42) Toluene	7.967	91	751146	53.773	ug/L	99
44) trans-1,3-Dichloropropene	8.208	75	257286	53.864	ug/L	99
45) 1,1,2-Trichloroethane	8.398	97	193981	52.105	ug/L	98
46) Tetrachloroethene	8.552	164	124983	52.524	ug/L	99
48) 2-Hexanone	8.681	43	454601	114.369	ug/L	100
49) Dibromochloromethane	8.806	129	201205	53.179	ug/L	99
50) 1,2-Dibromoethane	8.922	107	198764	53.158	ug/L	99
51) Chlorobenzene	9.446	112	472116	51.368	ug/L	99
52) Ethylbenzene	9.568	91	754274	53.031	ug/L	99
53) m,p-Xylene	9.693	106	298489	54.316	ug/L	100
54) o-Xylene	10.099	106	297798	53.558	ug/L	97
55) Styrene	10.111	104	524502	55.680	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.780	83	357745	52.807	ug/L	99
59) Bromoform	10.288	173	153967	50.603	ug/L	100
60) 1,2,3-Trichloropropane	10.819	75	270763	49.633	ug/L	100
61) Isopropylbenzene	10.481	105	747745	52.161	ug/L	100
62) 1,3,5-Trimethylbenzene	11.086	105	607380	53.032	ug/L	100
63) 1,2,4-Trimethylbenzene	11.465	105	596469	53.441	ug/L	98
64) 1,3-Dichlorobenzene	11.742	146	362432	52.155	ug/L	99
65) 1,4-Dichlorobenzene	11.835	146	360203	50.870	ug/L	99
67) 1,2-Dichlorobenzene	12.211	146	378439	51.976	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.992	75	73412	54.621	ug/L	99
69) 1,3,5-Trichlorobenzene	13.217	180	242868	52.350	ug/L	99
70) 1,2,4-trichlorobenzene	13.838	180	198148	53.170	ug/L	99
71) Naphthalene	14.086	128	704014	58.026	ug/L	100
72) 1,2,3-Trichlorobenzene	14.327	180	223725	55.413	ug/L	99

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

