

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111822\
 Data File : VU051902.D
 Acq On : 18 Nov 2022 13:41
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050126

Quant Time: Nov 18 14:02:24 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111522WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Nov 18 00:53:49 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	501738	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	488308	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	253963	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	98792	40.107	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	80.220%
7) Chloroethane-d5	1.903	69	105933	42.924	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	85.840%
11) 1,1-Dichloroethene-d2	2.568	63	192186	43.510	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.020%
21) 2-Butanone-d5	4.616	46	281881	100.638	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.640%
24) Chloroform-d	5.060	84	286509	46.401	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.800%
26) 1,2-Dichloroethane-d4	5.700	65	170823	45.194	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.380%
32) Benzene-d6	5.726	84	499408	49.051	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.100%
36) 1,2-Dichloropropane-d6	6.687	67	183466	48.410	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.820%
41) Toluene-d8	7.896	98	412806	49.397	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.800%
43) trans-1,3-Dichloroprop...	8.176	79	74192	49.149	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.300%
47) 2-Hexanone-d5	8.629	63	204127	105.980	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	105.980%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	368594	49.972	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.940%
66) 1,2-Dichlorobenzene-d4	12.188	152	213360	47.739	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.480%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	131285	42.620	ug/L	100
3) Chloromethane	1.523	50	186914	45.692	ug/L	100
5) Vinyl chloride	1.604	62	193466	45.595	ug/L	99
6) Bromomethane	1.838	94	91525	49.788	ug/L	97
8) Chloroethane	1.925	64	129041	46.776	ug/L	100
9) Trichlorofluoromethane	2.134	101	233745	46.012	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	144207	45.043	ug/L	98
12) 1,1-Dichloroethene	2.578	96	141796	47.422	ug/L	95
13) Acetone	2.620	43	221807	74.018	ug/L	99
14) Carbon disulfide	2.790	76	374429	45.200	ug/L	99
15) Methyl Acetate	2.944	43	199800	48.906	ug/L	100
16) Methylene chloride	3.044	84	203663	42.667	ug/L	100
17) trans-1,2-Dichloroethene	3.349	96	153877	47.754	ug/L	93
18) Methyl tert-butyl Ether	3.359	73	495787	49.712	ug/L	100
19) 1,1-Dichloroethane	3.867	63	319959	48.787	ug/L	99
20) cis-1,2-Dichloroethene	4.665	96	184895	49.166	ug/L	98
22) 2-Butanone	4.697	43	309858	91.556	ug/L	99
23) Bromochloromethane	4.970	128	100877	48.609	ug/L	98
25) Chloroform	5.086	83	328612	48.022	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.790	62	246193	48.686	ug/L	98
29) Cyclohexane	5.388	56	217633	52.238	ug/L	99
30) 1,1,1-Trichloroethane	5.314	97	248983	50.433	ug/L	100
31) Carbon tetrachloride	5.523	117	205699	49.838	ug/L	99
33) Benzene	5.771	78	731824	52.101	ug/L	100
34) Trichloroethene	6.539	95	167292	50.273	ug/L	99
35) Methylcyclohexane	6.761	83	231421	51.289	ug/L	100
37) 1,2-Dichloropropane	6.787	63	204348	51.377	ug/L	100
38) Bromodichloromethane	7.102	83	254572	51.159	ug/L	99
39) cis-1,3-Dichloropropene	7.603	75	273294	52.528	ug/L	99
40) 4-Methyl-2-pentanone	7.787	43	563422	107.571	ug/L	99
42) Toluene	7.967	91	782030	54.130	ug/L	99
44) trans-1,3-Dichloropropene	8.208	75	259254	52.002	ug/L	98
45) 1,1,2-Trichloroethane	8.398	97	204522	50.601	ug/L	98
46) Tetrachloroethene	8.549	164	124903	46.999	ug/L	98
48) 2-Hexanone	8.680	43	473886	105.346	ug/L	99
49) Dibromochloromethane	8.806	129	209620	50.299	ug/L	99
50) 1,2-Dibromoethane	8.922	107	205162	50.423	ug/L	99
51) Chlorobenzene	9.443	112	493512	49.991	ug/L	99
52) Ethylbenzene	9.568	91	785325	53.115	ug/L	98
53) m,p-Xylene	9.690	106	313076	54.703	ug/L	97
54) o-Xylene	10.098	106	315957	54.242	ug/L	100
55) Styrene	10.111	104	553991	55.119	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.780	83	385663	50.495	ug/L	98
59) Bromoform	10.288	173	162941	47.321	ug/L	100
60) 1,2,3-Trichloropropane	10.819	75	292261	48.109	ug/L	99
61) Isopropylbenzene	10.481	105	776010	52.281	ug/L	100
62) 1,3,5-Trimethylbenzene	11.086	105	641825	53.066	ug/L	100
63) 1,2,4-Trimethylbenzene	11.465	105	637364	53.938	ug/L	99
64) 1,3-Dichlorobenzene	11.741	146	370869	49.299	ug/L	98
65) 1,4-Dichlorobenzene	11.831	146	373137	48.979	ug/L	99
67) 1,2-Dichlorobenzene	12.208	146	392449	49.059	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.992	75	74242	47.732	ug/L	96
69) 1,3,5-Trichlorobenzene	13.214	180	242184	48.524	ug/L	100
70) 1,2,4-trichlorobenzene	13.835	180	189455	47.890	ug/L	99
71) Naphthalene	14.082	128	678647	52.161	ug/L	100
72) 1,2,3-Trichlorobenzene	14.327	180	220066	50.824	ug/L	98

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

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