

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111722\
 Data File : VU051884.D
 Acq On : 17 Nov 2022 09:55
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050123

Quant Time: Nov 18 00:51:59 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111522WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Nov 17 01:20:24 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	488432	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	491541	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	257976	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	99734	41.593	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	83.180%
7) Chloroethane-d5	1.896	69	100190	41.703	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	83.400%
11) 1,1-Dichloroethene-d2	2.565	63	189670	44.110	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.220%
21) 2-Butanone-d5	4.617	46	247934	90.930	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	90.930%
24) Chloroform-d	5.060	84	273973	45.579	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.160%
26) 1,2-Dichloroethane-d4	5.700	65	164314	44.656	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.320%
32) Benzene-d6	5.726	84	474009	46.250	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.500%
36) 1,2-Dichloropropane-d6	6.690	67	176698	46.318	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.640%
41) Toluene-d8	7.896	98	408317	48.538	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.080%
43) trans-1,3-Dichloroprop...	8.176	79	73180	48.160	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.320%
47) 2-Hexanone-d5	8.633	63	190802	98.411	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.410%
56) 1,1,2,2-Tetrachloroeth...	10.755	84	356086	47.959	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.920%
66) 1,2-Dichlorobenzene-d4	12.192	152	213062	46.931	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.860%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.382	85	137739	45.933	ug/L	99
3) Chloromethane	1.523	50	180089	45.223	ug/L	99
5) Vinyl chloride	1.604	62	190303	46.071	ug/L	98
6) Bromomethane	1.832	94	91008	50.855	ug/L	98
8) Chloroethane	1.919	64	124991	46.542	ug/L	99
9) Trichlorofluoromethane	2.131	101	237853	48.096	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	150436	48.268	ug/L	99
12) 1,1-Dichloroethene	2.575	96	141597	48.646	ug/L	94
13) Acetone	2.620	43	330937	113.443	ug/L	99
14) Carbon disulfide	2.790	76	386063	47.874	ug/L	99
15) Methyl Acetate	2.941	43	184019	46.270	ug/L	99
16) Methylene chloride	3.041	84	192980	41.530	ug/L	98
17) trans-1,2-Dichloroethene	3.350	96	149793	47.753	ug/L	97
18) Methyl tert-butyl Ether	3.359	73	472385	48.656	ug/L	99
19) 1,1-Dichloroethane	3.864	63	305557	47.861	ug/L	98
20) cis-1,2-Dichloroethene	4.665	96	179467	49.023	ug/L	98
22) 2-Butanone	4.697	43	357395	108.479	ug/L	99
23) Bromochloromethane	4.970	128	100504	49.749	ug/L	97
25) Chloroform	5.086	83	324636	48.733	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.790	62	237131	48.172	ug/L	100
29) Cyclohexane	5.385	56	210049	50.086	ug/L	99
30) 1,1,1-Trichloroethane	5.314	97	245679	49.436	ug/L	99
31) Carbon tetrachloride	5.523	117	209462	50.416	ug/L	98
33) Benzene	5.771	78	712118	50.365	ug/L	100
34) Trichloroethene	6.539	95	161222	48.130	ug/L	97
35) Methylcyclohexane	6.761	83	235236	51.791	ug/L	99
37) 1,2-Dichloropropane	6.790	63	196225	49.011	ug/L	99
38) Bromodichloromethane	7.105	83	256292	51.165	ug/L	100
39) cis-1,3-Dichloropropene	7.607	75	261465	49.924	ug/L	100
40) 4-Methyl-2-pentanone	7.790	43	527845	100.116	ug/L	99
42) Toluene	7.967	91	770201	52.960	ug/L	99
44) trans-1,3-Dichloropropene	8.208	75	262320	52.271	ug/L	100
45) 1,1,2-Trichloroethane	8.398	97	200113	49.185	ug/L	98
46) Tetrachloroethene	8.552	164	128485	48.029	ug/L	98
48) 2-Hexanone	8.684	43	502033	110.869	ug/L	98
49) Dibromochloromethane	8.809	129	220486	52.559	ug/L	100
50) 1,2-Dibromoethane	8.922	107	203969	49.800	ug/L	98
51) Chlorobenzene	9.446	112	496924	50.005	ug/L	99
52) Ethylbenzene	9.568	91	772144	51.880	ug/L	99
53) m,p-Xylene	9.694	106	316338	54.910	ug/L	98
54) o-Xylene	10.099	106	315602	53.824	ug/L	100
55) Styrene	10.115	104	567736	56.115	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.780	83	384966	50.072	ug/L	99
59) Bromoform	10.288	173	179524	51.326	ug/L	100
60) 1,2,3-Trichloropropane	10.822	75	291100	47.172	ug/L	99
61) Isopropylbenzene	10.481	105	779131	51.675	ug/L	100
62) 1,3,5-Trimethylbenzene	11.086	105	646827	52.648	ug/L	100
63) 1,2,4-Trimethylbenzene	11.465	105	655214	54.586	ug/L	100
64) 1,3-Dichlorobenzene	11.745	146	389278	50.941	ug/L	100
65) 1,4-Dichlorobenzene	11.835	146	393292	50.821	ug/L	100
67) 1,2-Dichlorobenzene	12.211	146	405473	49.898	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.992	75	75783	47.965	ug/L	91
69) 1,3,5-Trichlorobenzene	13.218	180	261997	51.677	ug/L	99
70) 1,2,4-trichlorobenzene	13.838	180	202014	50.270	ug/L	98
71) Naphthalene	14.086	128	682303	51.626	ug/L	100
72) 1,2,3-Trichlorobenzene	14.327	180	229212	52.113	ug/L	100

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

