

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041222\
 Data File : VU047941.D
 Acq On : 12 Apr 2022 09:32
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050194

Quant Time: Apr 13 01:23:12 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM032422WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Apr 12 04:48:51 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	367769	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	381351	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	231114	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	113416	42.527	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	85.060%
7) Chloroethane-d5	1.916	69	100084	47.594	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	95.180%
11) 1,1-Dichloroethene-d2	2.571	63	201929	41.384	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.760%
21) 2-Butanone-d5	4.633	46	202445	88.439	ug/L	0.01
Spiked Amount	100.000	Range	40 - 130	Recovery	=	88.440%
24) Chloroform-d	5.067	84	224186	45.942	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.880%
26) 1,2-Dichloroethane-d4	5.703	65	136224	45.516	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.040%
32) Benzene-d6	5.729	84	420952	43.868	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.740%
36) 1,2-Dichloropropane-d6	6.694	67	136989	46.485	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.960%
41) Toluene-d8	7.899	98	386540	41.345	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	82.680%
43) trans-1,3-Dichloroprop...	8.182	79	61326	41.076	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.160%
47) 2-Hexanone-d5	8.636	63	149419	86.612	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	86.610%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	222421	43.978	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	87.960%
66) 1,2-Dichlorobenzene-d4	12.195	152	171510	41.712	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	83.420%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	156818	45.993	ug/L	100
3) Chloromethane	1.523	50	155752	47.766	ug/L	99
5) Vinyl chloride	1.607	62	161848	48.668	ug/L	97
6) Bromomethane	1.861	94	92177	51.498	ug/L	100
8) Chloroethane	1.938	64	103349	49.505	ug/L	97
9) Trichlorofluoromethane	2.141	101	216373	46.140	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.584	101	130547	48.160	ug/L	97
12) 1,1-Dichloroethene	2.584	96	115910	45.946	ug/L	86
13) Acetone	2.645	43	224047	105.176	ug/L	98
14) Carbon disulfide	2.797	76	323174	40.527	ug/L	100
15) Methyl Acetate	2.954	43	149878	44.123	ug/L	99
16) Methylene chloride	3.051	84	140853	48.656	ug/L	97
17) trans-1,2-Dichloroethene	3.356	96	123900	45.534	ug/L	97
18) Methyl tert-butyl Ether	3.366	73	369634	48.151	ug/L	100
19) 1,1-Dichloroethane	3.874	63	233016	49.654	ug/L	100
20) cis-1,2-Dichloroethene	4.671	96	141415	47.406	ug/L	95
22) 2-Butanone	4.713	43	253205	92.273	ug/L	97
23) Bromochloromethane	4.977	128	80143	48.932	ug/L	97
25) Chloroform	5.092	83	249922	49.466	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.796	62	187895	48.136	ug/L	100
29) Cyclohexane	5.391	56	181621	46.935	ug/L	97
30) 1,1,1-Trichloroethane	5.321	97	207079	47.889	ug/L	99
31) Carbon tetrachloride	5.526	117	177992	45.584	ug/L	99
33) Benzene	5.777	78	545686	49.436	ug/L	100
34) Trichloroethene	6.546	95	138276	47.782	ug/L	96
35) Methylcyclohexane	6.767	83	205289	46.629	ug/L	98
37) 1,2-Dichloropropane	6.793	63	142364	50.734	ug/L	100
38) Bromodichloromethane	7.108	83	185228	48.069	ug/L	97
39) cis-1,3-Dichloropropene	7.610	75	206548	47.438	ug/L	98
40) 4-Methyl-2-pentanone	7.793	43	402921	90.850	ug/L	98
42) Toluene	7.970	91	595383	49.158	ug/L	100
44) trans-1,3-Dichloropropene	8.211	75	206045	47.396	ug/L	97
45) 1,1,2-Trichloroethane	8.401	97	147270	49.485	ug/L	99
46) Tetrachloroethene	8.555	164	122562	47.129	ug/L	99
48) 2-Hexanone	8.687	43	349859	91.708	ug/L	99
49) Dibromochloromethane	8.812	129	160784	46.645	ug/L	100
50) 1,2-Dibromoethane	8.925	107	159710	47.869	ug/L	99
51) Chlorobenzene	9.449	112	400634	48.717	ug/L	99
52) Ethylbenzene	9.571	91	613629	48.185	ug/L	99
53) m,p-Xylene	9.697	106	239474	47.924	ug/L	96
54) o-Xylene	10.102	106	236460	48.214	ug/L	98
55) Styrene	10.115	104	417401	49.849	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.783	83	260797	46.744	ug/L	99
59) Bromoform	10.291	173	130013	43.993	ug/L	99
60) 1,2,3-Trichloropropane	10.825	75	199704	45.836	ug/L	99
61) Isopropylbenzene	10.488	105	606665	48.570	ug/L	100
62) 1,3,5-Trimethylbenzene	11.089	105	315780	46.595	ug/L	99
63) 1,2,4-Trimethylbenzene	11.471	105	498270	48.403	ug/L	100
64) 1,3-Dichlorobenzene	11.748	146	327309	47.146	ug/L	99
65) 1,4-Dichlorobenzene	11.838	146	332163	46.191	ug/L	100
67) 1,2-Dichlorobenzene	12.214	146	328627	47.307	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.999	75	56602	40.557	ug/L	98
69) 1,3,5-Trichlorobenzene	13.221	180	264460	46.904	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	229161	46.402	ug/L	99
71) Naphthalene	14.089	128	661610	44.934	ug/L	99
72) 1,2,3-Trichlorobenzene	14.330	180	239559	48.387	ug/L	99

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

