

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102021\
 Data File : VU045346.D
 Acq On : 20 Oct 2021 16:07
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050107

Quant Time: Oct 21 01:59:59 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM101921WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 21 01:57:14 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	285901	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.423	117	293656	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.816	152	152108	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	52837	42.424	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.840%
7) Chloroethane-d5	1.877	69	47444	39.864	ug/L	-0.01
Spiked Amount	50.000	Range	70 - 130	Recovery	=	79.720%
11) 1,1-Dichloroethene-d2	2.562	63	111641	45.018	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.040%
21) 2-Butanone-d5	4.629	46	200638	107.925	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	107.930%
24) Chloroform-d	5.067	84	160638	48.497	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.000%
26) 1,2-Dichloroethane-d4	5.703	65	111472	49.234	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.460%
32) Benzene-d6	5.729	84	258203	46.748	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.500%
36) 1,2-Dichloropropane-d6	6.694	67	104213	48.538	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.080%
41) Toluene-d8	7.902	98	222181	47.162	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.320%
43) trans-1,3-Dichloroprop...	8.182	79	54390	49.907	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.820%
47) 2-Hexanone-d5	8.639	63	160374	119.047	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	119.050%
56) 1,1,2,2-Tetrachloroeth...	10.761	84	233399	57.502	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	115.000%
66) 1,2-Dichlorobenzene-d4	12.198	152	139019	52.676	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.360%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	96359	46.232	ug/L	100
3) Chloromethane	1.520	50	106983	45.359	ug/L	99
5) Vinyl chloride	1.604	62	116368	44.606	ug/L	96
6) Bromomethane	1.829	94	31654	22.930	ug/L	97
8) Chloroethane	1.903	64	79897	48.756	ug/L	99
9) Trichlorofluoromethane	2.118	101	141283	44.524	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.568	101	94373	46.792	ug/L	99
12) 1,1-Dichloroethene	2.568	96	84701	45.556	ug/L	98
13) Acetone	2.633	43	166182	76.774	ug/L	100
14) Carbon disulfide	2.784	76	225737	44.169	ug/L	99
15) Methyl Acetate	2.951	43	132199	49.255	ug/L	100
16) Methylene chloride	3.044	84	118401	49.445	ug/L	99
17) trans-1,2-Dichloroethene	3.350	96	92075	46.164	ug/L	96
18) Methyl tert-butyl Ether	3.369	73	355640	51.131	ug/L	100
19) 1,1-Dichloroethane	3.870	63	197070	48.285	ug/L	98
20) cis-1,2-Dichloroethene	4.668	96	111925	48.985	ug/L	99
22) 2-Butanone	4.710	43	220872	92.529	ug/L	99
23) Bromochloromethane	4.977	128	55577	49.392	ug/L	98
25) Chloroform	5.092	83	199366	47.986	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.796	62	164361	49.531	ug/L	99
29) Cyclohexane	5.388	56	162064	46.477	ug/L	99
30) 1,1,1-Trichloroethane	5.317	97	159211	45.951	ug/L	99
31) Carbon tetrachloride	5.526	117	119943	44.830	ug/L	100
33) Benzene	5.777	78	432161	47.272	ug/L	100
34) Trichloroethene	6.546	95	103709	46.006	ug/L	99
35) Methylcyclohexane	6.764	83	169221	47.790	ug/L	99
37) 1,2-Dichloropropane	6.793	63	121236	48.759	ug/L	100
38) Bromodichloromethane	7.112	83	151670	47.160	ug/L	100
39) cis-1,3-Dichloropropene	7.610	75	181794	48.836	ug/L	98
40) 4-Methyl-2-pentanone	7.800	43	427069	112.622	ug/L	99
42) Toluene	7.973	91	462623	48.508	ug/L	100
44) trans-1,3-Dichloropropene	8.214	75	181358	50.951	ug/L	98
45) 1,1,2-Trichloroethane	8.404	97	122669	51.475	ug/L	97
46) Tetrachloroethene	8.558	164	71453	45.752	ug/L	99
48) 2-Hexanone	8.690	43	345644	107.970	ug/L	98
49) Dibromochloromethane	8.816	129	119635	51.542	ug/L	98
50) 1,2-Dibromoethane	8.928	107	124969	50.932	ug/L	99
51) Chlorobenzene	9.452	112	297718	49.288	ug/L	100
52) Ethylbenzene	9.574	91	521624	50.401	ug/L	100
53) m,p-Xylene	9.697	106	203438	51.741	ug/L	99
54) o-xylene	10.105	106	206643	52.381	ug/L	96
55) Styrene	10.118	104	363741	54.482	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.787	83	237950	56.519	ug/L	98
59) Bromoform	10.298	173	91090	54.628	ug/L	99
60) 1,2,3-Trichloropropane	10.828	75	190895	54.655	ug/L	100
61) Isopropylbenzene	10.488	105	535311	51.538	ug/L	100
62) 1,3,5-Trimethylbenzene	11.092	105	462535	53.825	ug/L	99
63) 1,2,4-Trimethylbenzene	11.471	105	470994	54.135	ug/L	100
64) 1,3-Dichlorobenzene	11.751	146	239995	51.027	ug/L	99
65) 1,4-Dichlorobenzene	11.841	146	240037	50.314	ug/L	99
67) 1,2-Dichlorobenzene	12.217	146	248946	52.360	ug/L	99
68) 1,2-Dibromo-3-chloropr...	13.002	75	47922	49.272	ug/L	96
69) 1,3,5-Trichlorobenzene	13.224	180	162440	50.191	ug/L	99
70) 1,2,4-trichlorobenzene	13.844	180	132554	48.858	ug/L	99
71) Naphthalene	14.092	128	483670	53.334	ug/L	100
72) 1,2,3-Trichlorobenzene	14.333	180	136330	50.299	ug/L	99

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

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