

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101221\
 Data File : VU045283.D
 Acq On : 12 Oct 2021 11:11
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050103

Quant Time: Oct 13 02:46:22 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092321WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Oct 12 05:50:24 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	270479	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	267462	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.815	152	135048	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	125244	42.298	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.600%
7) Chloroethane-d5	1.893	69	102999	43.897	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.800%
11) 1,1-Dichloroethene-d2	2.565	63	216411	43.522	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.040%
21) 2-Butanone-d5	4.626	46	204668	87.433	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	87.430%
24) Chloroform-d	5.067	84	217970	46.610	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.220%
26) 1,2-Dichloroethane-d4	5.706	65	144597	45.647	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.300%
32) Benzene-d6	5.732	84	436166	46.996	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.000%
36) 1,2-Dichloropropane-d6	6.697	67	140779	46.520	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.040%
41) Toluene-d8	7.902	98	391578	48.891	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.780%
43) trans-1,3-Dichloroprop...	8.185	79	68062	50.561	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.120%
47) 2-Hexanone-d5	8.639	63	149983	89.434	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	89.430%
56) 1,1,2,2-Tetrachloroeth...	10.761	84	223170	47.359	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.720%
66) 1,2-Dichlorobenzene-d4	12.198	152	144971	49.326	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.660%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	117212	45.258	ug/L	98
3) Chloromethane	1.523	50	131866	40.849	ug/L	99
5) Vinyl chloride	1.604	62	147590	46.666	ug/L	99
6) Bromomethane	1.832	94	72555	47.830	ug/L	99
8) Chloroethane	1.916	64	90569	45.627	ug/L	99
9) Trichlorofluoromethane	2.128	101	172689	47.706	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	109115	47.757	ug/L	99
12) 1,1-Dichloroethene	2.578	96	103046	49.197	ug/L	83
13) Acetone	2.633	43	215142	79.508	ug/L	98
14) Carbon disulfide	2.790	76	300292	44.751	ug/L	99
15) Methyl Acetate	2.951	43	147980	44.343	ug/L	97
16) Methylene chloride	3.047	84	127367	47.998	ug/L	96
17) trans-1,2-Dichloroethene	3.353	96	107674	48.800	ug/L	99
18) Methyl tert-butyl Ether	3.369	73	387871	53.312	ug/L	99
19) 1,1-Dichloroethane	3.874	63	222147	48.395	ug/L	100
20) cis-1,2-Dichloroethene	4.671	96	126154	51.887	ug/L	93
22) 2-Butanone	4.706	43	256681	84.755	ug/L	98
23) Bromochloromethane	4.980	128	60914	49.422	ug/L	93
25) Chloroform	5.092	83	222477	48.753	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.800	62	186959	48.984	ug/L	100
29) Cyclohexane	5.391	56	195526	48.634	ug/L	98
30) 1,1,1-Trichloroethane	5.321	97	180930	48.868	ug/L	98
31) Carbon tetrachloride	5.526	117	140862	48.170	ug/L	98
33) Benzene	5.777	78	491052	49.501	ug/L	100
34) Trichloroethene	6.546	95	120431	50.544	ug/L	99
35) Methylcyclohexane	6.767	83	196181	49.179	ug/L	98
37) 1,2-Dichloropropane	6.796	63	130741	48.406	ug/L	99
38) Bromodichloromethane	7.112	83	167093	50.470	ug/L	99
39) cis-1,3-Dichloropropene	7.613	75	202552	52.412	ug/L	98
40) 4-Methyl-2-pentanone	7.796	43	432590	95.879	ug/L	97
42) Toluene	7.973	91	519634	51.555	ug/L	99
44) trans-1,3-Dichloropropene	8.214	75	193861	52.755	ug/L	100
45) 1,1,2-Trichloroethane	8.404	97	125859	51.419	ug/L	99
46) Tetrachloroethene	8.558	164	83371	48.953	ug/L	97
48) 2-Hexanone	8.687	43	363475	90.846	ug/L	96
49) Dibromochloromethane	8.816	129	122235	50.494	ug/L	99
50) 1,2-Dibromoethane	8.928	107	131596	51.349	ug/L	100
51) Chlorobenzene	9.452	112	315485	50.701	ug/L	100
52) Ethylbenzene	9.574	91	564403	53.007	ug/L	100
53) m,p-Xylene	9.697	106	217806	53.998	ug/L	99
54) o-xylene	10.105	106	216368	54.588	ug/L	100
55) Styrene	10.118	104	376047	55.168	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.787	83	232739	49.659	ug/L	100
59) Bromoform	10.295	173	87170	52.045	ug/L	100
60) 1,2,3-Trichloropropane	10.828	75	186343	49.889	ug/L	99
61) Isopropylbenzene	10.488	105	560675	56.729	ug/L	99
62) 1,3,5-Trimethylbenzene	11.092	105	480882	58.261	ug/L	100
63) 1,2,4-Trimethylbenzene	11.471	105	488165	57.756	ug/L	100
64) 1,3-Dichlorobenzene	11.748	146	244211	53.467	ug/L	99
65) 1,4-Dichlorobenzene	11.838	146	245017	52.285	ug/L	98
67) 1,2-Dichlorobenzene	12.217	146	246634	52.600	ug/L	99
68) 1,2-Dibromo-3-chloropr...	13.002	75	51542	48.017	ug/L	97
69) 1,3,5-Trichlorobenzene	13.224	180	168452	53.143	ug/L	99
70) 1,2,4-trichlorobenzene	13.844	180	141578	53.749	ug/L	100
71) Naphthalene	14.089	128	522388	57.231	ug/L	100
72) 1,2,3-Trichlorobenzene	14.333	180	144448	53.599	ug/L	99

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

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