

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW072821\
 Data File : VW021703.D
 Acq On : 28 Jul 2021 12:28
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050294

Quant Time: Jul 29 01:53:59 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM071921WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jul 23 01:17:03 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.613	114	467105	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.850	117	439944	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	232158	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	142477	43.117	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	86.240%
7) Chloroethane-d5	1.561	69	115697	50.603	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	101.200%
11) 1,1-Dichloroethene-d2	2.105	63	248542	45.137	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.280%
21) 2-Butanone-d5	3.867	46	244949	96.174	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	96.170%
24) Chloroform-d	4.346	84	296862	47.311	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.620%
26) 1,2-Dichloroethane-d4	5.027	65	175010	47.090	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.180%
32) Benzene-d6	5.047	84	594937	45.946	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.900%
36) 1,2-Dichloropropane-d6	6.066	67	188985	46.680	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.360%
41) Toluene-d8	7.314	98	554613	46.360	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.720%
43) trans-1,3-Dichloroprop...	7.619	79	96513	47.822	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.640%
47) 2-Hexanone-d5	8.085	63	174793	95.597	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	95.600%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	255375	47.754	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.500%
66) 1,2-Dichlorobenzene-d4	11.625	152	223166	46.498	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.127	85	153950	45.608	ug/L	98
3) Chloromethane	1.240	50	148884	46.727	ug/L	99
5) Vinyl chloride	1.307	62	148097	44.615	ug/L	99
6) Bromomethane	1.510	94	92996	58.760	ug/L	99
8) Chloroethane	1.577	64	90462	48.049	ug/L	99
9) Trichlorofluoromethane	1.748	101	213829	45.794	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.111	101	121539	46.091	ug/L	99
12) 1,1-Dichloroethene	2.114	96	111151	45.170	ug/L	91
13) Acetone	2.156	43	152646	94.495	ug/L	99
14) Carbon disulfide	2.288	76	327380	44.063	ug/L	100
15) Methyl Acetate	2.423	43	163321	46.103	ug/L	99
16) Methylene chloride	2.503	84	150144	42.214	ug/L	98
17) trans-1,2-Dichloroethene	2.757	96	133619	45.519	ug/L	98
18) Methyl tert-butyl Ether	2.764	73	463427	46.546	ug/L	99
19) 1,1-Dichloroethane	3.185	63	255700	46.136	ug/L	99
20) cis-1,2-Dichloroethene	3.909	96	155562	45.795	ug/L	100
22) 2-Butanone	3.950	43	238904	96.924	ug/L	99
23) Bromochloromethane	4.246	128	82652	45.986	ug/L	97
25) Chloroform	4.372	83	263035	45.914	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.127	62	190281	46.276	ug/L	99
29) Cyclohexane	4.674	56	216848	44.555	ug/L	99
30) 1,1,1-Trichloroethane	4.606	97	232020	44.609	ug/L	100
31) Carbon tetrachloride	4.825	117	200548	44.771	ug/L	99
33) Benzene	5.095	78	563401	45.050	ug/L	100
34) Trichloroethene	5.912	95	151563	44.873	ug/L	99
35) Methylcyclohexane	6.130	83	228333	45.132	ug/L	98
37) 1,2-Dichloropropane	6.172	63	147699	45.061	ug/L	100
38) Bromodichloromethane	6.506	83	201389	45.616	ug/L	98
39) cis-1,3-Dichloropropene	7.027	75	245675	46.801	ug/L	98
40) 4-Methyl-2-pentanone	7.223	43	435868	90.928	ug/L	100
42) Toluene	7.387	91	610821	45.360	ug/L	99
44) trans-1,3-Dichloropropene	7.651	75	232472	46.741	ug/L	99
45) 1,1,2-Trichloroethane	7.838	97	151843	46.319	ug/L	99
46) Tetrachloroethene	7.976	164	118551	44.957	ug/L	98
48) 2-Hexanone	8.137	43	331445	89.782	ug/L	99
49) Dibromochloromethane	8.246	129	172279	46.505	ug/L	99
50) 1,2-Dibromoethane	8.352	107	162555	46.379	ug/L	99
51) Chlorobenzene	8.879	112	404646	45.811	ug/L	99
52) Ethylbenzene	9.011	91	665663	46.140	ug/L	99
53) m,p-Xylene	9.140	106	259282	46.253	ug/L	98
54) o-Xylene	9.542	106	254858	45.404	ug/L	96
55) Styrene	9.561	104	441050	46.624	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.243	83	231819	45.940	ug/L	100
59) Bromoform	9.731	173	127284	44.466	ug/L	98
60) Isopropylbenzene	9.931	105	673625	44.712	ug/L	100
61) 1,2,3-Trichloropropane	10.272	75	193199	44.867	ug/L	100
62) 1,3,5-Trimethylbenzene	10.538	105	571555	44.995	ug/L	99
63) 1,2,4-Trimethylbenzene	10.915	105	585616	45.637	ug/L	100
64) 1,3-Dichlorobenzene	11.182	146	323959	45.496	ug/L	99
65) 1,4-Dichlorobenzene	11.272	146	325932	45.728	ug/L	100
67) 1,2-Dichlorobenzene	11.645	146	328562	45.458	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.429	75	51612	43.331	ug/L	99
69) 1,3,5-Trichlorobenzene	12.645	180	238259	45.118	ug/L	99
70) 1,2,4-trichlorobenzene	13.262	180	207992	44.644	ug/L	99
71) Naphthalene	13.503	128	644643	44.776	ug/L	100
72) 1,2,3-Trichlorobenzene	13.744	180	207339	43.652	ug/L	99

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

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