

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW081623\
 Data File : VW031816.D
 Acq On : 16 Aug 2023 11:48
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050398

Quant Time: Aug 17 01:50:03 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072523WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Aug 16 02:07:29 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.539	114	408536	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	421297	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	261900	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	168401	40.435	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	80.860%
7) Chloroethane-d5	1.532	69	158015	41.401	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	82.800%
11) 1,1-Dichloroethene-d2	2.060	65	66470	34.480	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	68.960%
21) 2-Butanone-d5	3.786	46	286757	99.504	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.500%
24) Chloroform-d	4.252	84	403073	47.074	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.140%
26) 1,2-Dichloroethane-d4	4.944	65	247680	46.490	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.980%
32) Benzene-d6	4.963	84	718811	53.881	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.760%
36) 1,2-Dichloropropane-d6	5.992	67	242371	48.365	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.740%
41) Toluene-d8	7.246	98	676992	60.542	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	121.080%#
43) trans-1,3-Dichloroprop...	7.558	79	112446	52.204	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	104.400%
47) 2-Hexanone-d5	8.027	63	197626	105.164	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	105.160%
56) 1,1,2,2-Tetrachloroeth...	10.156	84	294325	42.627	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	85.260%
66) 1,2-Dichlorobenzene-d4	11.564	152	262121	49.432	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.860%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	217284	43.036	ug/L	100
3) Chloromethane	1.217	50	220718	45.963	ug/L	98
5) Vinyl chloride	1.281	62	229253	47.130	ug/L	98
6) Bromomethane	1.484	94	149190	44.498	ug/L	99
8) Chloroethane	1.548	64	139468	42.959	ug/L	100
9) Trichlorofluoromethane	1.712	101	335614	40.928	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	177189	37.406	ug/L	96
12) 1,1-Dichloroethene	2.069	96	144111	36.605	ug/L	98
13) Acetone	2.114	43	183782	66.625	ug/L	98
14) Carbon disulfide	2.240	76	434435	44.891	ug/L	100
15) Methyl Acetate	2.375	43	232688	48.441	ug/L	96
16) Methylene chloride	2.449	84	208208	47.074	ug/L	97
17) trans-1,2-Dichloroethene	2.696	96	175218	50.032	ug/L	99
18) Methyl tert-butyl Ether	2.706	73	600480	52.120	ug/L	100
19) 1,1-Dichloroethane	3.114	63	381683	47.081	ug/L	99
20) cis-1,2-Dichloroethene	3.818	96	197820	50.018	ug/L	96
22) 2-Butanone	3.870	43	324317	103.369	ug/L	99
23) Bromochloromethane	4.149	128	104308	47.632	ug/L	92
25) Chloroform	4.278	83	405415	47.211	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.043	62	300451	47.043	ug/L	98
29) Cyclohexane	4.587	56	272960	52.619	ug/L	99
30) 1,1,1-Trichloroethane	4.516	97	351068	48.511	ug/L	98
31) Carbon tetrachloride	4.738	117	306750	48.545	ug/L	98
33) Benzene	5.014	78	760866	51.346	ug/L	100
34) Trichloroethene	5.834	95	235029	50.262	ug/L	95
35) Methylcyclohexane	6.056	83	280703	53.968	ug/L	98
37) 1,2-Dichloropropane	6.098	63	214898	48.819	ug/L	100
38) Bromodichloromethane	6.436	83	302621	48.194	ug/L	99
39) cis-1,3-Dichloropropene	6.956	75	308046	49.293	ug/L	98
40) 4-Methyl-2-pentanone	7.162	43	620580	110.691	ug/L	98
42) Toluene	7.320	91	829772	54.523	ug/L	100
44) trans-1,3-Dichloropropene	7.583	75	331146	53.099	ug/L	99
45) 1,1,2-Trichloroethane	7.773	97	221123	49.782	ug/L	98
46) Tetrachloroethene	7.908	164	156210	52.870	ug/L	97
48) 2-Hexanone	8.079	43	511812	114.450	ug/L	97
49) Dibromochloromethane	8.181	129	237590	50.689	ug/L	98
50) 1,2-Dibromoethane	8.284	107	235289	50.282	ug/L	97
51) Chlorobenzene	8.818	112	520505	51.186	ug/L	99
52) Ethylbenzene	8.950	91	900063	54.574	ug/L	98
53) m,p-Xylene	9.075	106	332880	55.970	ug/L	96
54) o-Xylene	9.484	106	313309	54.965	ug/L	99
55) Styrene	9.500	104	595825	57.221	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.181	83	278036	45.142	ug/L	96
59) Bromoform	9.670	173	172839	48.132	ug/L #	97
60) Isopropylbenzene	9.873	105	860512	52.647	ug/L	100
61) 1,2,3-Trichloropropane	10.214	75	278494	45.334	ug/L	99
62) 1,3,5-Trimethylbenzene	10.480	105	713980	53.987	ug/L	99
63) 1,2,4-Trimethylbenzene	10.857	105	722362	53.956	ug/L	99
64) 1,3-Dichlorobenzene	11.123	146	439529	51.442	ug/L	98
65) 1,4-Dichlorobenzene	11.214	146	467449	51.465	ug/L	99
67) 1,2-Dichlorobenzene	11.583	146	447652	50.885	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.371	75	78680	46.049	ug/L	94
69) 1,3,5-Trichlorobenzene	12.586	180	329640	52.898	ug/L	98
70) 1,2,4-trichlorobenzene	13.204	180	293698	52.680	ug/L	100
71) Naphthalene	13.445	128	902259	56.144	ug/L	99
72) 1,2,3-Trichlorobenzene	13.686	180	319005	54.739	ug/L	100

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

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