

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW022223\
 Data File : VW030082.D
 Acq On : 22 Feb 2023 16:56
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050286

Quant Time: Feb 22 23:18:38 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM021723WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Feb 22 23:16:18 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.538	114	338646	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.792	117	335255	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	206699	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	131545	54.636	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 109.280%			
7) Chloroethane-d5	1.535	69	114162	61.967	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 123.940%			
11) 1,1-Dichloroethene-d2	2.066	63	235230	51.071	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 102.140%			
21) 2-Butanone-d5	3.796	46	152993	101.822	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 101.820%			
24) Chloroform-d	4.256	84	245612	54.882	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 109.760%			
26) 1,2-Dichloroethane-d4	4.947	65	146018	55.199	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 110.400%			
32) Benzene-d6	4.966	84	476601	53.527	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 107.060%			
36) 1,2-Dichloropropane-d6	5.995	67	152199	53.757	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 107.520%			
41) Toluene-d8	7.249	98	441913	52.589	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 105.180%			
43) trans-1,3-Dichloroprop...	7.558	79	73792	52.445	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 104.900%			
47) 2-Hexanone-d5	8.030	63	130849	99.134	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 99.130%			
56) 1,1,2,2-Tetrachloroeth...	10.159	84	220907	52.016	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 104.040%			
66) 1,2-Dichlorobenzene-d4	11.570	152	187792	51.013	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 102.020%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.108	85	159034	44.366	ug/L	99
3) Chloromethane	1.217	50	235822	51.270	ug/L	100
5) Vinyl chloride	1.288	62	160554	50.125	ug/L	99
6) Bromomethane	1.490	94	33408	57.379	ug/L	98
8) Chloroethane	1.555	64	104475	55.902	ug/L	98
9) Trichlorofluoromethane	1.719	101	211881	49.902	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.076	101	128060	49.279	ug/L	99
12) 1,1-Dichloroethene	2.076	96	119330	51.046	ug/L	97
13) Acetone	2.124	43	119198	103.359	ug/L	98
14) Carbon disulfide	2.246	76	313716	45.383	ug/L	100
15) Methyl Acetate	2.378	43	134661	56.156	ug/L	99
16) Methylene chloride	2.452	84	147794	57.748	ug/L	99
17) trans-1,2-Dichloroethene	2.699	96	124405	52.059	ug/L	99
18) Methyl tert-butyl Ether	2.709	73	448733	59.006	ug/L	100
19) 1,1-Dichloroethane	3.117	63	244138	55.429	ug/L	99
20) cis-1,2-Dichloroethene	3.821	96	149387	56.527	ug/L	99
22) 2-Butanone	3.876	43	177554	109.733	ug/L	97
23) Bromochloromethane	4.156	128	83006	58.910	ug/L	98
25) Chloroform	4.284	83	261079	58.144	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.047	62	193308	57.642	ug/L	99
29) Cyclohexane	4.590	56	167050	42.761	ug/L	100
30) 1,1,1-Trichloroethane	4.519	97	210450	50.532	ug/L	99
31) Carbon tetrachloride	4.741	117	180316	49.319	ug/L	99
33) Benzene	5.018	78	523424	52.918	ug/L	100
34) Trichloroethene	5.837	95	135286	50.252	ug/L	97
35) Methylcyclohexane	6.059	83	183306	42.892	ug/L	98
37) 1,2-Dichloropropane	6.101	63	144765	55.574	ug/L	100
38) Bromodichloromethane	6.439	83	196936	56.287	ug/L	99
39) cis-1,3-Dichloropropene	6.960	75	241398	55.128	ug/L	99
40) 4-Methyl-2-pentanone	7.162	43	353779	109.245	ug/L	98
42) Toluene	7.320	91	555309	51.306	ug/L	99
44) trans-1,3-Dichloropropene	7.587	75	223976	56.242	ug/L	100
45) 1,1,2-Trichloroethane	7.773	97	154435	57.123	ug/L	99
46) Tetrachloroethene	7.911	164	112609	49.756	ug/L	98
48) 2-Hexanone	8.082	43	269554	108.006	ug/L	100
49) Dibromochloromethane	8.181	129	164852	58.813	ug/L	99
50) 1,2-Dibromoethane	8.288	107	167813	56.579	ug/L	100
51) Chlorobenzene	8.821	112	382933	53.088	ug/L	98
52) Ethylbenzene	8.953	91	609549	50.864	ug/L	99
53) m,p-Xylene	9.079	106	234219	51.155	ug/L	99
54) o-Xylene	9.484	106	233236	52.858	ug/L	99
55) Styrene	9.503	104	415470	55.117	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.185	83	250156	56.602	ug/L	100
59) Bromoform	9.670	173	127569	62.323	ug/L	99
60) Isopropylbenzene	9.876	105	615543	50.078	ug/L	100
61) 1,2,3-Trichloropropane	10.217	75	186418	54.510	ug/L	99
62) 1,3,5-Trimethylbenzene	10.484	105	517185	50.803	ug/L	100
63) 1,2,4-Trimethylbenzene	10.860	105	514691	51.440	ug/L	100
64) 1,3-Dichlorobenzene	11.123	146	322807	52.113	ug/L	99
65) 1,4-Dichlorobenzene	11.217	146	330944	52.215	ug/L	99
67) 1,2-Dichlorobenzene	11.586	146	323096	52.388	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.374	75	51121	51.236	ug/L	98
69) 1,3,5-Trichlorobenzene	12.593	180	241499	48.856	ug/L	99
70) 1,2,4-trichlorobenzene	13.207	180	227826	49.037	ug/L	99
71) Naphthalene	13.448	128	676826	50.224	ug/L	100
72) 1,2,3-Trichlorobenzene	13.689	180	227697	49.938	ug/L	99

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

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