

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW051923\
 Data File : VW031099.D
 Acq On : 19 May 2023 11:04
 Operator : SY/MD
 Sample : VSTD20025
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD200225

Quant Time: May 19 23:56:16 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM051923WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 19 23:53:31 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	294365	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.792	117	293954	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	186043	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	506439	228.071	ug/L	0.00
7) Chloroethane-d5	1.526	69	379157	206.480	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.063	65	236339	224.049	ug/L	0.00
21) 2-Butanone-d5	3.786	46	580517	476.820	ug/L	0.00
24) Chloroform-d	4.256	84	879413	220.071	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.947	65	604071	231.377	ug/L	0.00
32) Benzene-d6	4.966	84	1632113	229.030	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.995	67	469663	213.439	ug/L	0.00
41) Toluene-d8	7.249	98	1582497	236.081	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.555	79	268220	242.677	ug/L	0.00
47) 2-Hexanone-d5	8.030	63	431318	495.651	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.159	84	736879	230.060	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.567	152	715237	237.596	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.108	85	366838	151.893	ug/L	99
3) Chloromethane	1.217	50	391218	126.288	ug/L	99
5) Vinyl chloride	1.285	62	371149	146.801	ug/L	98
6) Bromomethane	1.478	94	241641	230.461	ug/L	99
8) Chloroethane	1.545	64	232692	135.785	ug/L	100
9) Trichlorofluoromethane	1.712	101	687534	163.477	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	379339	170.818	ug/L	99
12) 1,1-Dichloroethene	2.072	96	318398	161.742	ug/L	95
13) Acetone	2.117	43	535131	293.148	ug/L	99
14) Carbon disulfide	2.243	76	600160	114.031	ug/L	98
15) Methyl Acetate	2.375	43	413463	175.063	ug/L	99
16) Methylene chloride	2.452	84	353633	157.168	ug/L	99
17) trans-1,2-Dichloroethene	2.699	96	312212	158.326	ug/L	99
18) Methyl tert-butyl Ether	2.709	73	1310026	201.847	ug/L	100
19) 1,1-Dichloroethane	3.117	63	677831	165.626	ug/L	98
20) cis-1,2-Dichloroethene	3.822	96	400029	182.853	ug/L	95
22) 2-Butanone	3.870	43	651662	349.600	ug/L	97
23) Bromochloromethane	4.156	128	190221	156.252	ug/L	97
25) Chloroform	4.281	83	765461	179.304	ug/L	96
27) 1,2-Dichloroethane	5.047	62	674289	185.504	ug/L	99
29) Cyclohexane	4.590	56	507089	154.620	ug/L	97
30) 1,1,1-Trichloroethane	4.519	97	695908	172.485	ug/L	99
31) Carbon tetrachloride	4.741	117	614865	170.829	ug/L	100
33) Benzene	5.018	78	1444861	168.833	ug/L	100
34) Trichloroethene	5.838	95	375756	168.466	ug/L	99
35) Methylcyclohexane	6.059	83	547406	160.356	ug/L	99
37) 1,2-Dichloropropane	6.098	63	392828	169.891	ug/L	97
38) Bromodichloromethane	6.439	83	597218	180.494	ug/L	99
39) cis-1,3-Dichloropropene	6.960	75	697917	200.667	ug/L	100
40) 4-Methyl-2-pentanone	7.165	43	1302074	397.139	ug/L	99
42) Toluene	7.320	91	1636481	178.812	ug/L	100
44) trans-1,3-Dichloropropene	7.587	75	697216	202.371	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	7.773	97	422751	179.447	ug/L	98
46) Tetrachloroethene	7.911	164	326529	167.832	ug/L	96
48) 2-Hexanone	8.082	43	1055046	387.127	ug/L	99
49) Dibromochloromethane	8.185	129	496797	190.975	ug/L	96
50) 1,2-Dibromoethane	8.288	107	428794	177.667	ug/L	100
51) Chlorobenzene	8.821	112	1108322	180.295	ug/L	98
52) Ethylbenzene	8.953	91	1950819	191.701	ug/L	99
53) m,p-Xylene	9.079	106	744874	193.428	ug/L	98
54) o-Xylene	9.484	106	749023	197.935	ug/L	99
55) Styrene	9.503	104	1336063	201.552	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.185	83	726190	187.768	ug/L	99
59) Bromoform	9.670	173	411704	180.361	ug/L	99
60) Isopropylbenzene	9.873	105	2107222	187.949	ug/L	99
61) 1,2,3-Trichloropropane	10.217	75	557218	171.133	ug/L	99
62) 1,3,5-Trimethylbenzene	10.484	105	1797293	195.311	ug/L	98
63) 1,2,4-Trimethylbenzene	10.860	105	1812700	197.988	ug/L	97
64) 1,3-Dichlorobenzene	11.124	146	1058819	187.263	ug/L	99
65) 1,4-Dichlorobenzene	11.217	146	1085716	182.366	ug/L	99
67) 1,2-Dichlorobenzene	11.587	146	1099022	191.983	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.371	75	181048	188.241	ug/L	95
69) 1,3,5-Trichlorobenzene	12.590	180	873517	204.919	ug/L	99
70) 1,2,4-trichlorobenzene	13.204	180	791236	217.346	ug/L	100
71) Naphthalene	13.445	128	2173590	220.928	ug/L	100
72) 1,2,3-Trichlorobenzene	13.686	180	769791	213.289	ug/L	99

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

