

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW060923\
 Data File : VW031496.D
 Acq On : 09 Jun 2023 15:58
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050366

Quant Time: Jun 10 01:42:35 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM060723WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jun 10 01:38:32 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.539	114	229887	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	239127	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	142589	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	66893	33.072	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	66.140%
7) Chloroethane-d5	1.532	69	72224	44.105	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.220%
11) 1,1-Dichloroethene-d2	2.060	65	37454	39.071	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	78.140%
21) 2-Butanone-d5	3.796	46	159064	108.818	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	108.820%
24) Chloroform-d	4.252	84	196530	51.081	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.160%
26) 1,2-Dichloroethane-d4	4.947	65	134935	52.280	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.560%
32) Benzene-d6	4.966	84	332677	47.122	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.240%
36) 1,2-Dichloropropane-d6	5.992	67	120862	49.251	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.500%
41) Toluene-d8	7.246	98	312033	48.113	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.220%
43) trans-1,3-Dichloroprop...	7.558	79	56055	45.347	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.700%
47) 2-Hexanone-d5	8.030	63	96664	104.585	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	104.580%
56) 1,1,2,2-Tetrachloroeth...	10.159	84	155724	50.283	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.560%
66) 1,2-Dichlorobenzene-d4	11.567	152	129447	48.939	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.880%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	44199	47.944	ug/L	96
3) Chloromethane	1.217	50	35372	47.281	ug/L	99
5) Vinyl chloride	1.282	62	42447	47.556	ug/L	99
6) Bromomethane	1.487	94	26216	48.868	ug/L	95
8) Chloroethane	1.548	64	36514	50.774	ug/L	98
9) Trichlorofluoromethane	1.716	101	108642	50.427	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	71173	51.084	ug/L	97
12) 1,1-Dichloroethene	2.072	96	43863	47.828	ug/L	85
13) Acetone	2.121	43	109060	83.401	ug/L	100
14) Carbon disulfide	2.243	76	32729	41.721	ug/L	98
15) Methyl Acetate	2.375	43	108196	54.793	ug/L	100
16) Methylene chloride	2.449	84	71919	51.951	ug/L	94
17) trans-1,2-Dichloroethene	2.696	96	45013	51.768	ug/L	97
18) Methyl tert-butyl Ether	2.706	73	280157	52.418	ug/L	99
19) 1,1-Dichloroethane	3.114	63	158844	52.812	ug/L	99
20) cis-1,2-Dichloroethene	3.818	96	73594	52.059	ug/L	98
22) 2-Butanone	3.876	43	153982	95.809	ug/L	95
23) Bromochloromethane	4.153	128	40770	54.843	ug/L	97
25) Chloroform	4.281	83	182984	54.557	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.047	62	138042	56.365	ug/L	98
29) Cyclohexane	4.590	56	56076	43.785	ug/L	95
30) 1,1,1-Trichloroethane	4.516	97	142758	50.576	ug/L	98
31) Carbon tetrachloride	4.741	117	114623	48.884	ug/L	99
33) Benzene	5.014	78	273458	51.827	ug/L	100
34) Trichloroethene	5.838	95	89638	53.923	ug/L	98
35) Methylcyclohexane	6.056	83	64082	45.073	ug/L	100
37) 1,2-Dichloropropane	6.098	63	98694	51.967	ug/L	100
38) Bromodichloromethane	6.436	83	143198	51.517	ug/L	96
39) cis-1,3-Dichloropropene	6.960	75	144360	50.878	ug/L	95
40) 4-Methyl-2-pentanone	7.162	43	338509	109.724	ug/L	98
42) Toluene	7.320	91	312405	52.898	ug/L	99
44) trans-1,3-Dichloropropene	7.587	75	152918	53.135	ug/L	99
45) 1,1,2-Trichloroethane	7.773	97	107111	54.564	ug/L	99
46) Tetrachloroethene	7.908	164	54954	50.923	ug/L	97
48) 2-Hexanone	8.082	43	269215	111.483	ug/L	98
49) Dibromochloromethane	8.182	129	114615	53.524	ug/L	100
50) 1,2-Dibromoethane	8.288	107	100672	53.270	ug/L	99
51) Chlorobenzene	8.818	112	231153	51.475	ug/L	99
52) Ethylbenzene	8.953	91	375229	51.052	ug/L	99
53) m,p-Xylene	9.079	106	138065	52.126	ug/L	98
54) o-Xylene	9.484	106	140028	52.406	ug/L	97
55) Styrene	9.500	104	277258	56.916	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.181	83	144930	48.163	ug/L	99
59) Bromoform	9.670	173	91997	50.353	ug/L	100
60) Isopropylbenzene	9.873	105	405671	49.789	ug/L	100
61) 1,2,3-Trichloropropane	10.214	75	151241	52.396	ug/L	98
62) 1,3,5-Trimethylbenzene	10.484	105	340122	50.545	ug/L	100
63) 1,2,4-Trimethylbenzene	10.857	105	346003	51.370	ug/L	100
64) 1,3-Dichlorobenzene	11.124	146	210803	50.546	ug/L	99
65) 1,4-Dichlorobenzene	11.214	146	220280	49.936	ug/L	99
67) 1,2-Dichlorobenzene	11.587	146	217858	50.957	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.371	75	37193	48.612	ug/L	98
69) 1,3,5-Trichlorobenzene	12.590	180	154720	48.187	ug/L	99
70) 1,2,4-trichlorobenzene	13.204	180	133157	48.611	ug/L	100
71) Naphthalene	13.445	128	317697	42.315	ug/L	99
72) 1,2,3-Trichlorobenzene	13.689	180	137815	50.194	ug/L	97

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

