

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW051923\
 Data File : VW031101.D
 Acq On : 19 May 2023 12:19
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050346

Quant Time: May 20 00:25:00 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM051923WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat May 20 00:13:55 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	281926	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.792	117	275342	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	160187	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.282	65	119300	49.514	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	99.020%
7) Chloroethane-d5	1.536	69	94672	51.005	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	102.020%
11) 1,1-Dichloroethene-d2	2.063	65	52676	46.622	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.240%
21) 2-Butanone-d5	3.802	46	138887	108.181	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	108.180%
24) Chloroform-d	4.259	84	206839	48.526	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.060%
26) 1,2-Dichloroethane-d4	4.947	65	144660	50.224	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.440%
32) Benzene-d6	4.966	84	373920	50.094	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.180%
36) 1,2-Dichloropropane-d6	5.995	67	109471	49.016	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.040%
41) Toluene-d8	7.249	98	356648	51.194	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.380%
43) trans-1,3-Dichloroprop...	7.558	79	60570	54.056	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	108.120%
47) 2-Hexanone-d5	8.030	63	92110	105.778	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	105.780%
56) 1,1,2,2-Tetrachloroeth...	10.159	84	162413	48.485	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.960%
66) 1,2-Dichlorobenzene-d4	11.567	152	148247	51.500	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	86275	47.402	ug/L	97
3) Chloromethane	1.217	50	96165	48.261	ug/L	98
5) Vinyl chloride	1.285	62	89378	50.219	ug/L	99
6) Bromomethane	1.491	94	43422	43.534	ug/L	97
8) Chloroethane	1.555	64	60301	52.579	ug/L	98
9) Trichlorofluoromethane	1.716	101	171305	48.936	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.072	101	91308	49.461	ug/L	98
12) 1,1-Dichloroethene	2.076	96	75660	48.313	ug/L	98
13) Acetone	2.130	43	148264	88.831	ug/L	100
14) Carbon disulfide	2.246	76	146493	51.332	ug/L	99
15) Methyl Acetate	2.381	43	103306	54.459	ug/L	100
16) Methylene chloride	2.455	84	84182	48.285	ug/L	98
17) trans-1,2-Dichloroethene	2.699	96	74006	51.112	ug/L	99
18) Methyl tert-butyl Ether	2.709	73	299036	53.463	ug/L	99
19) 1,1-Dichloroethane	3.117	63	164065	49.720	ug/L	99
20) cis-1,2-Dichloroethene	3.822	96	91545	51.288	ug/L	97
22) 2-Butanone	3.883	43	165824	103.604	ug/L	94
23) Bromochloromethane	4.156	128	50094	51.071	ug/L	98
25) Chloroform	4.285	83	186580	50.616	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.050	62	163089	52.146	ug/L	100
29) Cyclohexane	4.593	56	109957	50.749	ug/L	98
30) 1,1,1-Trichloroethane	4.519	97	170394	50.431	ug/L	98
31) Carbon tetrachloride	4.744	117	148318	50.389	ug/L	100
33) Benzene	5.018	78	340897	51.679	ug/L	100
34) Trichloroethene	5.841	95	88674	50.169	ug/L	98
35) Methylcyclohexane	6.059	83	120195	51.248	ug/L	99
37) 1,2-Dichloropropane	6.101	63	92507	50.952	ug/L	99
38) Bromodichloromethane	6.439	83	142788	50.734	ug/L	99
39) cis-1,3-Dichloropropene	6.960	75	152340	54.414	ug/L	99
40) 4-Methyl-2-pentanone	7.166	43	306670	109.768	ug/L	100
42) Toluene	7.323	91	381045	53.391	ug/L	100
44) trans-1,3-Dichloropropene	7.587	75	153958	54.360	ug/L	98
45) 1,1,2-Trichloroethane	7.773	97	100651	50.803	ug/L	98
46) Tetrachloroethene	7.911	164	77690	51.189	ug/L	93
48) 2-Hexanone	8.082	43	252645	108.573	ug/L	98
49) Dibromochloromethane	8.182	129	113060	50.579	ug/L	97
50) 1,2-Dibromoethane	8.288	107	99170	50.346	ug/L	98
51) Chlorobenzene	8.821	112	252480	49.704	ug/L	99
52) Ethylbenzene	8.953	91	428374	52.425	ug/L	100
53) m,p-Xylene	9.079	106	166538	52.542	ug/L	95
54) o-Xylene	9.484	106	162005	51.811	ug/L	100
55) Styrene	9.503	104	300813	54.395	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.185	83	165208	50.752	ug/L	98
59) Bromoform	9.670	173	93733	50.464	ug/L	99
60) Isopropylbenzene	9.873	105	451601	52.714	ug/L	99
61) 1,2,3-Trichloropropane	10.217	75	129394	52.507	ug/L	99
62) 1,3,5-Trimethylbenzene	10.484	105	377269	53.574	ug/L	97
63) 1,2,4-Trimethylbenzene	10.857	105	371315	53.928	ug/L	98
64) 1,3-Dichlorobenzene	11.124	146	234918	53.516	ug/L	99
65) 1,4-Dichlorobenzene	11.217	146	240565	52.678	ug/L	100
67) 1,2-Dichlorobenzene	11.587	146	233039	52.320	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.371	75	39805	52.620	ug/L	94
69) 1,3,5-Trichlorobenzene	12.590	180	179648	52.941	ug/L	100
70) 1,2,4-trichlorobenzene	13.204	180	158486	54.880	ug/L	99
71) Naphthalene	13.445	128	445157	59.344	ug/L	100
72) 1,2,3-Trichlorobenzene	13.686	180	160814	55.726	ug/L	98

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

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