

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW052223\
 Data File : VW031151.D
 Acq On : 22 May 2023 08:59
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050349

Quant Time: May 23 04:38:44 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM051923WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat May 20 01:55:03 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.538	114	248652	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	251429	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	151960	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	97009	45.651	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.300%
7) Chloroethane-d5	1.535	69	76936	46.997	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.000%
11) 1,1-Dichloroethene-d2	2.063	65	46852	47.017	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.040%
21) 2-Butanone-d5	3.793	46	109163	96.407	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	96.410%
24) Chloroform-d	4.256	84	188119	50.040	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.080%
26) 1,2-Dichloroethane-d4	4.950	65	131533	51.778	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.560%
32) Benzene-d6	4.966	84	335674	49.248	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.500%
36) 1,2-Dichloropropane-d6	5.995	67	96475	47.305	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.620%
41) Toluene-d8	7.249	98	320446	50.372	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.740%
43) trans-1,3-Dichloroprop...	7.558	79	51080	49.922	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.840%
47) 2-Hexanone-d5	8.030	63	76993	96.827	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	96.830%
56) 1,1,2,2-Tetrachloroeth...	10.159	84	151822	49.634	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.260%
66) 1,2-Dichlorobenzene-d4	11.567	152	135113	49.479	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.960%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	84735	52.785	ug/L	98
3) Chloromethane	1.217	50	85092	48.418	ug/L	100
5) Vinyl chloride	1.285	62	79996	50.962	ug/L	100
6) Bromomethane	1.487	94	39468	44.864	ug/L	95
8) Chloroethane	1.551	64	51206	50.624	ug/L	100
9) Trichlorofluoromethane	1.715	101	165341	53.552	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.072	101	86444	53.093	ug/L	96
12) 1,1-Dichloroethene	2.072	96	70385	50.959	ug/L	91
13) Acetone	2.117	43	170473	115.805	ug/L	98
14) Carbon disulfide	2.246	76	130512	51.852	ug/L	100
15) Methyl Acetate	2.378	43	88472	52.881	ug/L	97
16) Methylene chloride	2.455	84	78706	51.185	ug/L	98
17) trans-1,2-Dichloroethene	2.699	96	67138	52.573	ug/L	98
18) Methyl tert-butyl Ether	2.709	73	267305	54.185	ug/L	99
19) 1,1-Dichloroethane	3.117	63	153778	52.839	ug/L	97
20) cis-1,2-Dichloroethene	3.821	96	82598	52.468	ug/L	99
22) 2-Butanone	3.873	43	151774	107.515	ug/L	97
23) Bromochloromethane	4.153	128	47605	55.028	ug/L	99
25) Chloroform	4.284	83	175151	53.874	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.047	62	152176	55.168	ug/L	98
29) Cyclohexane	4.590	56	100467	50.780	ug/L	99
30) 1,1,1-Trichloroethane	4.519	97	163420	52.967	ug/L	98
31) Carbon tetrachloride	4.741	117	142869	53.154	ug/L	99
33) Benzene	5.018	78	321434	53.363	ug/L	100
34) Trichloroethene	5.841	95	79120	49.022	ug/L	97
35) Methylcyclohexane	6.056	83	113128	52.822	ug/L	99
37) 1,2-Dichloropropane	6.098	63	89663	54.082	ug/L	100
38) Bromodichloromethane	6.439	83	132080	51.393	ug/L	99
39) cis-1,3-Dichloropropene	6.960	75	133933	52.389	ug/L	100
40) 4-Methyl-2-pentanone	7.162	43	265205	103.954	ug/L	99
42) Toluene	7.320	91	362478	55.620	ug/L	99
44) trans-1,3-Dichloropropene	7.587	75	139211	53.828	ug/L	98
45) 1,1,2-Trichloroethane	7.773	97	95776	52.940	ug/L	98
46) Tetrachloroethene	7.911	164	74337	53.638	ug/L	95
48) 2-Hexanone	8.082	43	228492	107.532	ug/L	98
49) Dibromochloromethane	8.181	129	107428	52.630	ug/L	97
50) 1,2-Dibromoethane	8.288	107	94304	52.429	ug/L	97
51) Chlorobenzene	8.818	112	245157	52.853	ug/L	98
52) Ethylbenzene	8.953	91	398526	53.411	ug/L	99
53) m,p-Xylene	9.078	106	157249	54.329	ug/L	95
54) o-Xylene	9.484	106	153269	53.679	ug/L	99
55) Styrene	9.500	104	285489	56.534	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.185	83	157262	52.905	ug/L	99
59) Bromoform	9.670	173	90665	51.455	ug/L	99
60) Isopropylbenzene	9.873	105	429570	52.857	ug/L	100
61) 1,2,3-Trichloropropane	10.213	75	122756	52.510	ug/L	99
62) 1,3,5-Trimethylbenzene	10.484	105	349643	52.339	ug/L	100
63) 1,2,4-Trimethylbenzene	10.860	105	345534	52.900	ug/L	100
64) 1,3-Dichlorobenzene	11.123	146	223600	53.696	ug/L	99
65) 1,4-Dichlorobenzene	11.217	146	233149	53.818	ug/L	99
67) 1,2-Dichlorobenzene	11.586	146	225685	53.412	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.371	75	35345	49.254	ug/L	94
69) 1,3,5-Trichlorobenzene	12.590	180	168272	52.273	ug/L	99
70) 1,2,4-trichlorobenzene	13.207	180	137602	50.228	ug/L	99
71) Naphthalene	13.445	128	313135	44.004	ug/L	100
72) 1,2,3-Trichlorobenzene	13.686	180	129623	47.349	ug/L	99

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

