

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW041923\
 Data File : VW030657.D
 Acq On : 19 Apr 2023 10:13
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050292

Quant Time: Apr 20 01:21:21 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM041723WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Apr 18 02:45:56 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	250334	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.792	117	238176	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	136931	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	57049	31.087	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	62.180%
7) Chloroethane-d5	1.535	69	53933	35.071	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	70.140%
11) 1,1-Dichloroethene-d2	2.066	65	31300	35.965	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	71.940%
21) 2-Butanone-d5	3.796	46	102712	101.900	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	101.900%
24) Chloroform-d	4.256	84	147483	44.346	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.700%
26) 1,2-Dichloroethane-d4	4.950	65	96887	45.313	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.620%
32) Benzene-d6	4.966	84	244494	43.418	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.840%
36) 1,2-Dichloropropane-d6	5.995	67	79556	45.482	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	90.960%
41) Toluene-d8	7.249	98	230588	43.613	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.220%
43) trans-1,3-Dichloroprop...	7.558	79	38970	44.203	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.400%
47) 2-Hexanone-d5	8.030	63	69080	100.251	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	100.250%
56) 1,1,2,2-Tetrachloroeth...	10.159	84	122796	48.380	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.760%
66) 1,2-Dichlorobenzene-d4	11.567	152	103526	47.566	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.140%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	108541	50.430	ug/L	100
3) Chloromethane	1.217	50	135160	47.873	ug/L	99
5) Vinyl chloride	1.288	62	112612	49.473	ug/L	98
6) Bromomethane	1.490	94	46401	51.409	ug/L	99
8) Chloroethane	1.551	64	74070	47.443	ug/L	99
9) Trichlorofluoromethane	1.719	101	193219	52.375	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.072	101	101528	52.366	ug/L	98
12) 1,1-Dichloroethene	2.076	96	88036	50.224	ug/L	85
13) Acetone	2.124	43	169401	108.609	ug/L	99
14) Carbon disulfide	2.246	76	248860	50.264	ug/L	99
15) Methyl Acetate	2.378	43	104820	50.359	ug/L	99
16) Methylene chloride	2.452	84	97579	48.646	ug/L	99
17) trans-1,2-Dichloroethene	2.699	96	90037	50.881	ug/L	96
18) Methyl tert-butyl Ether	2.709	73	305376	53.877	ug/L	99
19) 1,1-Dichloroethane	3.117	63	181313	50.255	ug/L	98
20) cis-1,2-Dichloroethene	3.821	96	99886	51.891	ug/L	99
22) 2-Butanone	3.876	43	165380	102.603	ug/L	98
23) Bromochloromethane	4.153	128	53524	49.785	ug/L	96
25) Chloroform	4.284	83	192521	51.556	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.047	62	168677	53.361	ug/L	99
29) Cyclohexane	4.593	56	157840	55.223	ug/L	99
30) 1,1,1-Trichloroethane	4.519	97	175476	52.432	ug/L	100
31) Carbon tetrachloride	4.744	117	156869	52.426	ug/L	99
33) Benzene	5.018	78	399290	55.207	ug/L	100
34) Trichloroethene	5.837	95	101309	53.851	ug/L	98
35) Methylcyclohexane	6.059	83	165580	56.170	ug/L	99
37) 1,2-Dichloropropane	6.101	63	98917	50.813	ug/L	99
38) Bromodichloromethane	6.439	83	145211	53.101	ug/L	98
39) cis-1,3-Dichloropropene	6.960	75	160621	54.974	ug/L	98
40) 4-Methyl-2-pentanone	7.165	43	298634	109.819	ug/L	99
42) Toluene	7.323	91	433318	55.934	ug/L	99
44) trans-1,3-Dichloropropene	7.587	75	158378	55.174	ug/L	99
45) 1,1,2-Trichloroethane	7.773	97	102410	52.463	ug/L	99
46) Tetrachloroethene	7.911	164	88540	53.768	ug/L	97
48) 2-Hexanone	8.082	43	240194	107.049	ug/L	99
49) Dibromochloromethane	8.181	129	112093	52.060	ug/L	98
50) 1,2-Dibromoethane	8.288	107	106077	52.446	ug/L	99
51) Chlorobenzene	8.821	112	301629	58.790	ug/L	99
52) Ethylbenzene	8.953	91	479263	55.883	ug/L	100
53) m,p-Xylene	9.079	106	184018	56.805	ug/L	99
54) o-Xylene	9.487	106	177205	55.916	ug/L	99
55) Styrene	9.503	104	316541	56.862	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.185	83	157410	49.115	ug/L	98
59) Bromoform	9.670	173	90530	52.806	ug/L	99
60) Isopropylbenzene	9.873	105	488127	57.159	ug/L	100
61) 1,2,3-Trichloropropane	10.217	75	122128	49.797	ug/L	99
62) 1,3,5-Trimethylbenzene	10.484	105	392857	55.874	ug/L	99
63) 1,2,4-Trimethylbenzene	10.860	105	387552	55.204	ug/L	98
64) 1,3-Dichlorobenzene	11.123	146	231411	54.125	ug/L	99
65) 1,4-Dichlorobenzene	11.217	146	254958	56.551	ug/L	99
67) 1,2-Dichlorobenzene	11.586	146	244448	56.674	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.371	75	33707	46.389	ug/L	96
69) 1,3,5-Trichlorobenzene	12.590	180	175696	54.399	ug/L	99
70) 1,2,4-trichlorobenzene	13.207	180	149707	54.593	ug/L	98
71) Naphthalene	13.448	128	384907	51.311	ug/L	100
72) 1,2,3-Trichlorobenzene	13.689	180	148315	54.544	ug/L	100

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

