

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW041923\
 Data File : VW030679.D
 Acq On : 19 Apr 2023 20:52
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050294

Quant Time: Apr 20 01:32:18 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM041723WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Apr 20 01:26:42 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	226555	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.792	117	222352	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	130905	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	93323	56.191	ug/L	0.00
Spiked Amount 50.000	Range 60	- 135	Recovery	= 112.380%		
7) Chloroethane-d5	1.535	69	72658	52.206	ug/L	0.00
Spiked Amount 50.000	Range 70	- 130	Recovery	= 104.420%		
11) 1,1-Dichloroethene-d2	2.066	65	43648	55.418	ug/L	0.00
Spiked Amount 50.000	Range 60	- 125	Recovery	= 110.840%		
21) 2-Butanone-d5	3.793	46	103474	113.431	ug/L	0.00
Spiked Amount 100.000	Range 40	- 130	Recovery	= 113.430%		
24) Chloroform-d	4.259	84	165589	55.017	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	= 110.040%		
26) 1,2-Dichloroethane-d4	4.950	65	110988	57.356	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	= 114.720%		
32) Benzene-d6	4.969	84	300576	57.176	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	= 114.360%		
36) 1,2-Dichloropropane-d6	5.995	67	90500	55.420	ug/L	0.00
Spiked Amount 50.000	Range 70	- 120	Recovery	= 110.840%		
41) Toluene-d8	7.249	98	289201	58.592	ug/L	0.00
Spiked Amount 50.000	Range 80	- 120	Recovery	= 117.180%		
43) trans-1,3-Dichloroprop...	7.558	79	46683	56.720	ug/L	0.00
Spiked Amount 50.000	Range 60	- 125	Recovery	= 113.440%		
47) 2-Hexanone-d5	8.030	63	70363	109.380	ug/L	0.00
Spiked Amount 100.000	Range 45	- 130	Recovery	= 109.380%		
56) 1,1,2,2-Tetrachloroeth...	10.159	84	133839	56.484	ug/L	0.00
Spiked Amount 50.000	Range 65	- 120	Recovery	= 112.960%		
66) 1,2-Dichlorobenzene-d4	11.567	152	118687	57.042	ug/L	0.00
Spiked Amount 50.000	Range 80	- 120	Recovery	= 114.080%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.108	85	94909	48.725	ug/L	98
3) Chloromethane	1.217	50	115204	45.087	ug/L	99
5) Vinyl chloride	1.288	62	99892	48.491	ug/L	99
6) Bromomethane	1.487	94	42242	51.713	ug/L	100
8) Chloroethane	1.552	64	64418	45.592	ug/L	100
9) Trichlorofluoromethane	1.719	101	173097	51.845	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.072	101	88557	50.470	ug/L	99
12) 1,1-Dichloroethene	2.076	96	81548	51.405	ug/L	99
13) Acetone	2.117	43	112054	79.382	ug/L	99
14) Carbon disulfide	2.246	76	215064	47.998	ug/L	98
15) Methyl Acetate	2.378	43	97519	51.769	ug/L	97
16) Methylene chloride	2.455	84	90140	49.654	ug/L	98
17) trans-1,2-Dichloroethene	2.703	96	79668	49.747	ug/L	98
18) Methyl tert-butyl Ether	2.712	73	272247	53.074	ug/L	99
19) 1,1-Dichloroethane	3.121	63	163530	50.083	ug/L	96
20) cis-1,2-Dichloroethene	3.825	96	90372	51.876	ug/L	98
22) 2-Butanone	3.873	43	130746	89.630	ug/L	99
23) Bromochloromethane	4.159	128	50101	51.492	ug/L	95
25) Chloroform	4.285	83	174274	51.568	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.050	62	149624	52.302	ug/L	99
29) Cyclohexane	4.593	56	138325	51.840	ug/L	99
30) 1,1,1-Trichloroethane	4.522	97	160513	51.374	ug/L	100
31) Carbon tetrachloride	4.744	117	142547	51.030	ug/L	99
33) Benzene	5.021	78	357910	53.007	ug/L	100
34) Trichloroethene	5.841	95	90688	51.636	ug/L	97
35) Methylcyclohexane	6.059	83	142214	51.677	ug/L	98
37) 1,2-Dichloropropane	6.101	63	90658	49.884	ug/L	98
38) Bromodichloromethane	6.439	83	130563	51.142	ug/L	99
39) cis-1,3-Dichloropropene	6.960	75	134409	49.277	ug/L	98
40) 4-Methyl-2-pentanone	7.165	43	271332	106.880	ug/L	99
42) Toluene	7.323	91	387735	53.612	ug/L	99
44) trans-1,3-Dichloropropene	7.587	75	141221	52.698	ug/L	98
45) 1,1,2-Trichloroethane	7.776	97	94006	51.585	ug/L	99
46) Tetrachloroethene	7.911	164	78824	51.274	ug/L	99
48) 2-Hexanone	8.082	43	214510	102.406	ug/L	97
49) Dibromochloromethane	8.185	129	101467	50.478	ug/L	97
50) 1,2-Dibromoethane	8.288	107	96425	51.066	ug/L	98
51) Chlorobenzene	8.821	112	253947	53.019	ug/L	100
52) Ethylbenzene	8.953	91	425130	53.098	ug/L	100
53) m,p-Xylene	9.082	106	164335	54.339	ug/L	97
54) o-Xylene	9.487	106	161134	54.463	ug/L	98
55) Styrene	9.503	104	290187	55.838	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.185	83	150714	50.372	ug/L	99
59) Bromoform	9.673	173	83273	50.809	ug/L	100
60) Isopropylbenzene	9.876	105	435120	53.298	ug/L	100
61) 1,2,3-Trichloropropane	10.217	75	115405	49.222	ug/L	99
62) 1,3,5-Trimethylbenzene	10.484	105	359389	53.467	ug/L	99
63) 1,2,4-Trimethylbenzene	10.860	105	356646	53.141	ug/L	99
64) 1,3-Dichlorobenzene	11.123	146	216432	52.952	ug/L	99
65) 1,4-Dichlorobenzene	11.217	146	224480	52.083	ug/L	99
67) 1,2-Dichlorobenzene	11.586	146	223299	54.154	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.374	75	33285	47.917	ug/L	98
69) 1,3,5-Trichlorobenzene	12.590	180	156117	50.563	ug/L	99
70) 1,2,4-trichlorobenzene	13.207	180	137637	52.502	ug/L	100
71) Naphthalene	13.448	128	355125	49.520	ug/L	99
72) 1,2,3-Trichlorobenzene	13.689	180	138588	53.313	ug/L	99

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

