

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW022223\
 Data File : VW030077.D
 Acq On : 22 Feb 2023 12:01
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050285

Quant Time: Feb 22 23:13:30 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM021723WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Feb 20 22:59:49 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.539	114	391071	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	366823	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	230585	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.282	65	165470	59.513	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	= 119.020%	
7) Chloroethane-d5	1.536	69	134799	63.360	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	= 126.720%	
11) 1,1-Dichloroethene-d2	2.066	63	294689	55.403	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	= 110.800%	
21) 2-Butanone-d5	3.796	46	164738	94.941	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	= 94.940%	
24) Chloroform-d	4.256	84	274164	53.049	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 106.100%	
26) 1,2-Dichloroethane-d4	4.947	65	158478	51.878	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 103.760%	
32) Benzene-d6	4.966	84	542797	55.715	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 111.440%	
36) 1,2-Dichloropropane-d6	5.992	67	167506	54.072	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	= 108.140%	
41) Toluene-d8	7.249	98	519123	56.461	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	= 112.920%	
43) trans-1,3-Dichloroprop...	7.555	79	83224	54.059	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	= 108.120%	
47) 2-Hexanone-d5	8.030	63	139781	96.787	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	= 96.790%	
56) 1,1,2,2-Tetrachloroeth...	10.159	84	232826	50.105	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	= 100.200%	
66) 1,2-Dichlorobenzene-d4	11.567	152	210824	51.337	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	= 102.680%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	217426	52.525	ug/L	99
3) Chloromethane	1.217	50	271303	51.077	ug/L	98
5) Vinyl chloride	1.285	62	195353	52.813	ug/L	97
6) Bromomethane	1.490	94	38191	56.801	ug/L	99
8) Chloroethane	1.552	64	120378	55.777	ug/L	97
9) Trichlorofluoromethane	1.716	101	269603	54.984	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.072	101	165365	55.104	ug/L	98
12) 1,1-Dichloroethene	2.076	96	145614	53.939	ug/L	99
13) Acetone	2.124	43	152581	114.570	ug/L	100
14) Carbon disulfide	2.246	76	386920	48.469	ug/L	100
15) Methyl Acetate	2.378	43	144740	52.268	ug/L	98
16) Methylene chloride	2.452	84	156009	52.786	ug/L	98
17) trans-1,2-Dichloroethene	2.699	96	143428	51.973	ug/L	99
18) Methyl tert-butyl Ether	2.706	73	473192	53.881	ug/L	99
19) 1,1-Dichloroethane	3.117	63	272311	53.538	ug/L	99
20) cis-1,2-Dichloroethene	3.822	96	164966	54.054	ug/L	98
22) 2-Butanone	3.873	43	200982	107.561	ug/L	99
23) Bromochloromethane	4.153	128	88441	54.353	ug/L	96
25) Chloroform	4.285	83	279841	53.968	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.047	62	205306	53.013	ug/L	100
29) Cyclohexane	4.590	56	218891	51.209	ug/L	99
30) 1,1,1-Trichloroethane	4.519	97	250881	55.056	ug/L	99
31) Carbon tetrachloride	4.741	117	221359	55.335	ug/L	99
33) Benzene	5.014	78	583528	53.918	ug/L	100
34) Trichloroethene	5.838	95	160196	54.384	ug/L	96
35) Methylcyclohexane	6.056	83	242534	51.867	ug/L	99
37) 1,2-Dichloropropane	6.098	63	156167	54.792	ug/L	100
38) Bromodichloromethane	6.439	83	212746	55.573	ug/L	99
39) cis-1,3-Dichloropropene	6.957	75	257528	53.751	ug/L	99
40) 4-Methyl-2-pentanone	7.162	43	380094	107.270	ug/L	99
42) Toluene	7.320	91	643657	54.351	ug/L	99
44) trans-1,3-Dichloropropene	7.583	75	246795	56.639	ug/L	100
45) 1,1,2-Trichloroethane	7.773	97	164751	55.694	ug/L	99
46) Tetrachloroethene	7.911	164	135745	54.816	ug/L	99
48) 2-Hexanone	8.082	43	289580	106.044	ug/L	99
49) Dibromochloromethane	8.182	129	176439	57.529	ug/L	98
50) 1,2-Dibromoethane	8.288	107	176409	54.358	ug/L	99
51) Chlorobenzene	8.821	112	419282	53.125	ug/L	99
52) Ethylbenzene	8.953	91	696607	53.126	ug/L	100
53) m,p-Xylene	9.079	106	269051	53.705	ug/L	100
54) o-Xylene	9.484	106	261269	54.116	ug/L	97
55) Styrene	9.503	104	456402	55.337	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.185	83	258826	53.524	ug/L	99
59) Bromoform	9.670	173	133751	58.574	ug/L	99
60) Isopropylbenzene	9.873	105	720523	52.547	ug/L	99
61) 1,2,3-Trichloropropane	10.217	75	192439	50.441	ug/L	100
62) 1,3,5-Trimethylbenzene	10.484	105	603727	53.161	ug/L	100
63) 1,2,4-Trimethylbenzene	10.860	105	592503	53.082	ug/L	100
64) 1,3-Dichlorobenzene	11.124	146	364610	52.764	ug/L	99
65) 1,4-Dichlorobenzene	11.217	146	367811	52.020	ug/L	99
67) 1,2-Dichlorobenzene	11.587	146	365460	53.119	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.374	75	54140	48.641	ug/L	96
69) 1,3,5-Trichlorobenzene	12.590	180	287554	52.147	ug/L	99
70) 1,2,4-trichlorobenzene	13.207	180	264211	50.978	ug/L	99
71) Naphthalene	13.448	128	749310	49.843	ug/L	100
72) 1,2,3-Trichlorobenzene	13.689	180	257126	50.550	ug/L	99

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

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