

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW071223\
 Data File : VW031685.D
 Acq On : 12 Jul 2023 10:49
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050389

Quant Time: Jul 13 04:55:54 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM071123WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jul 12 07:50:48 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.538	114	287290	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	311258	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	191773	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	125490	48.260	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 96.520%			
7) Chloroethane-d5	1.532	69	108412	57.613	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 115.220%			
11) 1,1-Dichloroethene-d2	2.059	65	60329	52.082	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 104.160%			
21) 2-Butanone-d5	3.796	46	163201	98.213	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 98.210%			
24) Chloroform-d	4.252	84	268531	51.745	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 103.500%			
26) 1,2-Dichloroethane-d4	4.944	65	161889	49.612	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 99.220%			
32) Benzene-d6	4.963	84	458875	49.170	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 98.340%			
36) 1,2-Dichloropropane-d6	5.992	67	155570	51.558	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 103.120%			
41) Toluene-d8	7.246	98	435290	51.877	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 103.760%			
43) trans-1,3-Dichloroprop...	7.554	79	71481	47.442	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 94.880%			
47) 2-Hexanone-d5	8.030	63	107888	93.285	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 93.280%			
56) 1,1,2,2-Tetrachloroeth...	10.156	84	224574	49.139	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 98.280%			
66) 1,2-Dichlorobenzene-d4	11.567	152	161526	45.921	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 91.840%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.105	85	196543	55.034	ug/L	100
3) Chloromethane	1.217	50	193526	52.377	ug/L	99
5) Vinyl chloride	1.285	62	184391	53.288	ug/L	100
6) Bromomethane	1.487	94	119121	60.253	ug/L	100
8) Chloroethane	1.548	64	113135	59.297	ug/L	99
9) Trichlorofluoromethane	1.715	101	282290	56.934	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	164465	57.623	ug/L	97
12) 1,1-Dichloroethene	2.072	96	139115	56.083	ug/L	90
13) Acetone	2.124	43	135870	94.619	ug/L	100
14) Carbon disulfide	2.243	76	442210	54.145	ug/L	98
15) Methyl Acetate	2.375	43	163209	53.924	ug/L	96
16) Methylene chloride	2.449	84	159639	54.442	ug/L	98
17) trans-1,2-Dichloroethene	2.696	96	132604	52.336	ug/L	99
18) Methyl tert-butyl Ether	2.709	73	400002	51.877	ug/L	99
19) 1,1-Dichloroethane	3.114	63	282403	54.520	ug/L	98
20) cis-1,2-Dichloroethene	3.818	96	135579	52.163	ug/L	95
22) 2-Butanone	3.876	43	201483	101.270	ug/L	97
23) Bromochloromethane	4.149	128	78199	55.335	ug/L	96
25) Chloroform	4.281	83	297030	55.908	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.043	62	220940	55.976	ug/L	99
29) Cyclohexane	4.590	56	212505	52.076	ug/L	99
30) 1,1,1-Trichloroethane	4.516	97	257344	52.912	ug/L	98
31) Carbon tetrachloride	4.738	117	227112	52.687	ug/L	100
33) Benzene	5.014	78	581897	54.819	ug/L	100
34) Trichloroethene	5.837	95	159195	53.302	ug/L	96
35) Methylcyclohexane	6.056	83	229278	56.401	ug/L	98
37) 1,2-Dichloropropane	6.098	63	164782	55.531	ug/L	98
38) Bromodichloromethane	6.436	83	221300	55.015	ug/L	99
39) cis-1,3-Dichloropropene	6.956	75	222442	49.553	ug/L	99
40) 4-Methyl-2-pentanone	7.162	43	417478	113.114	ug/L	99
42) Toluene	7.320	91	634408	57.873	ug/L	99
44) trans-1,3-Dichloropropene	7.583	75	238415	53.241	ug/L	100
45) 1,1,2-Trichloroethane	7.773	97	161865	55.096	ug/L	97
46) Tetrachloroethene	7.911	164	115368	50.807	ug/L	96
48) 2-Hexanone	8.082	43	341252	110.014	ug/L	97
49) Dibromochloromethane	8.181	129	173503	53.177	ug/L	99
50) 1,2-Dibromoethane	8.288	107	171358	52.932	ug/L	99
51) Chlorobenzene	8.818	112	374076	51.481	ug/L	99
52) Ethylbenzene	8.950	91	644996	54.078	ug/L	98
53) m,p-Xylene	9.079	106	246093	55.965	ug/L	96
54) o-Xylene	9.484	106	223300	54.831	ug/L	99
55) Styrene	9.500	104	445611	59.437	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.181	83	239438	52.496	ug/L #	94
59) Bromoform	9.670	173	128743	52.535	ug/L #	97
60) Isopropylbenzene	9.873	105	624399	53.320	ug/L	99
61) 1,2,3-Trichloropropane	10.214	75	206843	51.859	ug/L	99
62) 1,3,5-Trimethylbenzene	10.484	105	501688	52.431	ug/L	99
63) 1,2,4-Trimethylbenzene	10.857	105	518728	54.428	ug/L	99
64) 1,3-Dichlorobenzene	11.123	146	320009	52.612	ug/L	98
65) 1,4-Dichlorobenzene	11.213	146	338162	51.261	ug/L	98
67) 1,2-Dichlorobenzene	11.583	146	320001	51.297	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.368	75	59335	48.755	ug/L	97
69) 1,3,5-Trichlorobenzene	12.586	180	223296	49.005	ug/L	99
70) 1,2,4-trichlorobenzene	13.204	180	193281	47.871	ug/L	99
71) Naphthalene	13.445	128	545360	46.679	ug/L	99
72) 1,2,3-Trichlorobenzene	13.686	180	212884	50.289	ug/L	99

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

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