

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW052323\
 Data File : VW031176.D
 Acq On : 23 May 2023 09:25
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050351

Quant Time: May 24 01:23:51 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM051923WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue May 23 04:42:12 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Krupa Patel 05/25/2023
 Supervised By :Mahesh Dadoda 05/25/2023

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

Internal Standards						
1) 1,4-Difluorobenzene	5.538	114	249082	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.792	117	245180	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	147051	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	108782	51.102	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 102.200%			
7) Chloroethane-d5	1.535	69	93125	56.787	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 113.580%			
11) 1,1-Dichloroethene-d2	2.063	65	51969	52.062	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 104.120%			
21) 2-Butanone-d5	3.799	46	109746	96.754	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 96.750%			
24) Chloroform-d	4.256	84	201636	53.543	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 107.080%			
26) 1,2-Dichloroethane-d4	4.947	65	138440	54.403	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 108.800%			
32) Benzene-d6	4.966	84	359647	54.110	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 108.220%			
36) 1,2-Dichloropropane-d6	5.995	67	102612	51.597	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 103.200%			
41) Toluene-d8	7.249	98	356087	57.402	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 114.800%			
43) trans-1,3-Dichloroprop...	7.554	79	56112	56.238	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 112.480%			
47) 2-Hexanone-d5	8.030	63	71700	92.468	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 92.470%			
56) 1,1,2,2-Tetrachloroeth...	10.159	84	153389	51.424	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 102.840%			
66) 1,2-Dichlorobenzene-d4	11.567	152	145954	55.233	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 110.460%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.108	85	82632	51.387	ug/L	98
3) Chloromethane	1.217	50	83887	47.650	ug/L	97
5) Vinyl chloride	1.288	62	78183	49.721	ug/L	98
6) Bromomethane	1.490	94	40313	45.746	ug/L	99
8) Chloroethane	1.551	64	55839	55.109	ug/L	99
9) Trichlorofluoromethane	1.715	101	162053	52.397	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.072	101	87830	53.851	ug/L	98
12) 1,1-Dichloroethene	2.072	96	69641m	50.333	ug/L	
13) Acetone	2.127	43	158190	107.275	ug/L	99
14) Carbon disulfide	2.246	76	128786	51.078	ug/L	98
15) Methyl Acetate	2.378	43	83594	49.879	ug/L	98
16) Methylene chloride	2.455	84	76844	49.888	ug/L	94
17) trans-1,2-Dichloroethene	2.699	96	66836	52.247	ug/L	96
18) Methyl tert-butyl Ether	2.709	73	266976	54.025	ug/L	99
19) 1,1-Dichloroethane	3.117	63	150984	51.789	ug/L	99
20) cis-1,2-Dichloroethene	3.821	96	83972	53.248	ug/L	99
22) 2-Butanone	3.879	43	141069	99.759	ug/L	100
23) Bromochloromethane	4.153	128	46829	54.038	ug/L	96
25) Chloroform	4.281	83	174486	53.577	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.047	62	153587	55.583	ug/L	99
29) Cyclohexane	4.590	56	99162	51.397	ug/L	99
30) 1,1,1-Trichloroethane	4.519	97	159891	53.144	ug/L	99
31) Carbon tetrachloride	4.741	117	141958	54.161	ug/L	99
33) Benzene	5.018	78	316638	53.907	ug/L	100
34) Trichloroethene	5.837	95	79635	50.598	ug/L	96
35) Methylcyclohexane	6.056	83	111950	53.604	ug/L	99
37) 1,2-Dichloropropane	6.098	63	87718	54.258	ug/L	100
38) Bromodichloromethane	6.436	83	132714	52.956	ug/L	99
39) cis-1,3-Dichloropropene	6.960	75	129207	51.829	ug/L	98
40) 4-Methyl-2-pentanone	7.162	43	247502	99.488	ug/L	99
42) Toluene	7.320	91	357397	56.238	ug/L	98
44) trans-1,3-Dichloropropene	7.587	75	141858	56.249	ug/L	100
45) 1,1,2-Trichloroethane	7.773	97	93589	53.050	ug/L	97
46) Tetrachloroethene	7.911	164	74389	55.044	ug/L	93
48) 2-Hexanone	8.082	43	214536	103.538	ug/L	98
49) Dibromochloromethane	8.181	129	108116	54.317	ug/L	96
50) 1,2-Dibromoethane	8.288	107	91181	51.985	ug/L	99
51) Chlorobenzene	8.818	112	239378	52.922	ug/L	99
52) Ethylbenzene	8.953	91	393392	54.067	ug/L	96
53) m,p-Xylene	9.079	106	155965	55.259	ug/L	96
54) o-Xylene	9.484	106	152979	54.943	ug/L	98
55) Styrene	9.500	104	280322	56.926	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.185	83	150407	51.889	ug/L	97
59) Bromoform	9.670	173	90266	52.939	ug/L	99
60) Isopropylbenzene	9.873	105	426908	54.283	ug/L	99
61) 1,2,3-Trichloropropane	10.214	75	116080	51.312	ug/L	98
62) 1,3,5-Trimethylbenzene	10.484	105	346995	53.677	ug/L	99
63) 1,2,4-Trimethylbenzene	10.857	105	347899	55.040	ug/L	99
64) 1,3-Dichlorobenzene	11.123	146	219662	54.511	ug/L	100
65) 1,4-Dichlorobenzene	11.217	146	227427	54.250	ug/L	99
67) 1,2-Dichlorobenzene	11.586	146	223876	54.753	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.371	75	31402	45.220	ug/L	96
69) 1,3,5-Trichlorobenzene	12.590	180	162616	52.202	ug/L	100
70) 1,2,4-trichlorobenzene	13.204	180	134165	50.608	ug/L	98
71) Naphthalene	13.445	128	318019	46.183	ug/L	99
72) 1,2,3-Trichlorobenzene	13.686	180	136764	51.625	ug/L	99

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

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