

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW061223\
 Data File : VW031504.D
 Acq On : 12 Jun 2023 15:06
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050368

Quant Time: Jun 13 01:43:39 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM060723WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jun 13 01:41:31 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	265446	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	273908	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	167469	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	59102	25.306	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	50.620%#
7) Chloroethane-d5	1.529	69	61530	32.541	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	65.080%#
11) 1,1-Dichloroethene-d2	2.060	65	32844	29.673	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	59.340%#
21) 2-Butanone-d5	3.789	46	153276	90.812	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	90.810%
24) Chloroform-d	4.249	84	180753	40.687	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	81.380%
26) 1,2-Dichloroethane-d4	4.944	65	121162	40.655	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	81.300%
32) Benzene-d6	4.963	84	287741	35.581	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	71.160%
36) 1,2-Dichloropropane-d6	5.992	67	109413	38.924	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	77.840%
41) Toluene-d8	7.246	98	265704	35.767	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	71.540%#
43) trans-1,3-Dichloroprop...	7.555	79	49142	34.707	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	69.420%
47) 2-Hexanone-d5	8.030	63	88616	83.703	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	83.700%
56) 1,1,2,2-Tetrachloroeth...	10.159	84	140655	39.650	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	79.300%
66) 1,2-Dichlorobenzene-d4	11.567	152	117131	37.704	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	75.400%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	44770	42.058	ug/L	98
3) Chloromethane	1.214	50	34350	39.764	ug/L	99
5) Vinyl chloride	1.281	62	41936	40.689	ug/L	99
6) Bromomethane	1.484	94	26616	42.967	ug/L	100
8) Chloroethane	1.548	64	34632	41.706	ug/L	94
9) Trichlorofluoromethane	1.712	101	109924	44.187	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	72586	45.119	ug/L	96
12) 1,1-Dichloroethene	2.069	96	44305	41.838	ug/L	90
13) Acetone	2.117	43	137650	91.164	ug/L	99
14) Carbon disulfide	2.243	76	32432	35.804	ug/L	100
15) Methyl Acetate	2.375	43	100937	44.269	ug/L	100
16) Methylene chloride	2.449	84	72412	45.300	ug/L	94
17) trans-1,2-Dichloroethene	2.696	96	43588	43.414	ug/L	98
18) Methyl tert-butyl Ether	2.706	73	269054	43.597	ug/L	99
19) 1,1-Dichloroethane	3.114	63	155482	44.769	ug/L	100
20) cis-1,2-Dichloroethene	3.815	96	71570	43.845	ug/L	98
22) 2-Butanone	3.873	43	157347	84.788	ug/L	99
23) Bromochloromethane	4.149	128	38578	44.942	ug/L	96
25) Chloroform	4.278	83	177509	45.835	ug/L	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.043	62	132013	46.683	ug/L	98
29) Cyclohexane	4.587	56	56395	38.443	ug/L	99
30) 1,1,1-Trichloroethane	4.516	97	141960	43.907	ug/L	99
31) Carbon tetrachloride	4.738	117	116101	43.227	ug/L	98
33) Benzene	5.011	78	264385	43.745	ug/L	100
34) Trichloroethene	5.834	95	88728	46.598	ug/L	99
35) Methylcyclohexane	6.053	83	61551	37.796	ug/L	99
37) 1,2-Dichloropropane	6.095	63	96068	44.161	ug/L	100
38) Bromodichloromethane	6.436	83	139305	43.752	ug/L	97
39) cis-1,3-Dichloropropene	6.956	75	138554	42.631	ug/L	98
40) 4-Methyl-2-pentanone	7.162	43	312984	88.568	ug/L	100
42) Toluene	7.320	91	305202	45.116	ug/L	99
44) trans-1,3-Dichloropropene	7.583	75	142739	43.300	ug/L	98
45) 1,1,2-Trichloroethane	7.773	97	100475	44.684	ug/L	99
46) Tetrachloroethene	7.908	164	52831	42.739	ug/L	99
48) 2-Hexanone	8.079	43	258937	93.611	ug/L	97
49) Dibromochloromethane	8.181	129	108519	44.242	ug/L	99
50) 1,2-Dibromoethane	8.288	107	95321	44.034	ug/L	97
51) Chlorobenzene	8.818	112	222591	43.275	ug/L	99
52) Ethylbenzene	8.950	91	363286	43.151	ug/L	100
53) m,p-Xylene	9.079	106	134937	44.476	ug/L	99
54) o-Xylene	9.484	106	132962	43.443	ug/L	99
55) Styrene	9.500	104	260812	46.741	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.181	83	136114	39.489	ug/L	97
59) Bromoform	9.670	173	88492	41.239	ug/L	99
60) Isopropylbenzene	9.873	105	399997	41.799	ug/L	99
61) 1,2,3-Trichloropropane	10.214	75	141739	41.809	ug/L	99
62) 1,3,5-Trimethylbenzene	10.484	105	324502	41.060	ug/L	99
63) 1,2,4-Trimethylbenzene	10.857	105	330672	41.800	ug/L	100
64) 1,3-Dichlorobenzene	11.124	146	206181	42.093	ug/L	98
65) 1,4-Dichlorobenzene	11.214	146	215204	41.537	ug/L	98
67) 1,2-Dichlorobenzene	11.586	146	214325	42.683	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.371	75	36687	40.827	ug/L	95
69) 1,3,5-Trichlorobenzene	12.590	180	160293	42.506	ug/L	100
70) 1,2,4-trichlorobenzene	13.204	180	136900	42.552	ug/L	99
71) Naphthalene	13.445	128	329954	37.419	ug/L	100
72) 1,2,3-Trichlorobenzene	13.686	180	139563	43.279	ug/L	99

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

