

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW061323\
 Data File : VW031506.D
 Acq On : 13 Jun 2023 09:52
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050369

Quant Time: Jun 13 23:45:44 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	5.538	114	225622	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	239192	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	147935	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	102775	51.773	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	= 103.540%	
7) Chloroethane-d5	1.532	69	88690	55.184	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	= 110.360%	
11) 1,1-Dichloroethene-d2	2.060	65	51032	54.242	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	= 108.480%	
21) 2-Butanone-d5	3.796	46	155244	108.213	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	= 108.210%	
24) Chloroform-d	4.252	84	222749	58.991	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 117.980%	
26) 1,2-Dichloroethane-d4	4.947	65	148603	58.664	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 117.320%	
32) Benzene-d6	4.963	84	400292	56.683	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 113.360%	
36) 1,2-Dichloropropane-d6	5.992	67	134706	54.878	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	= 109.760%	
41) Toluene-d8	7.246	98	395287	60.933	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	= 121.860%#	
43) trans-1,3-Dichloroprop...	7.558	79	68509	55.407	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	= 110.820%	
47) 2-Hexanone-d5	8.030	63	94041	101.719	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	= 101.720%	
56) 1,1,2,2-Tetrachloroeth...	10.159	84	162789	52.550	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	= 105.100%	
66) 1,2-Dichlorobenzene-d4	11.567	152	146193	53.272	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	= 106.540%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	52549	58.079	ug/L	100
3) Chloromethane	1.217	50	37425	50.971	ug/L	97
5) Vinyl chloride	1.285	62	45483	51.920	ug/L	99
6) Bromomethane	1.487	94	28234	53.624	ug/L	97
8) Chloroethane	1.548	64	39138	55.452	ug/L	97
9) Trichlorofluoromethane	1.715	101	121121	57.282	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	78538	57.436	ug/L	96
12) 1,1-Dichloroethene	2.072	96	49375	54.856	ug/L	95
13) Acetone	2.124	43	144325	112.456	ug/L	99
14) Carbon disulfide	2.243	76	34646	44.999	ug/L	99
15) Methyl Acetate	2.378	43	111993	57.788	ug/L	98
16) Methylene chloride	2.449	84	75491	55.562	ug/L	96
17) trans-1,2-Dichloroethene	2.696	96	46148	54.076	ug/L	95
18) Methyl tert-butyl Ether	2.706	73	287340	54.778	ug/L	99
19) 1,1-Dichloroethane	3.114	63	167939	56.891	ug/L	100
20) cis-1,2-Dichloroethene	3.818	96	76642	55.240	ug/L	97
22) 2-Butanone	3.876	43	180627	114.512	ug/L	99
23) Bromochloromethane	4.153	128	43466	59.575	ug/L	90
25) Chloroform	4.281	83	197009	59.849	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.047	62	147748	61.469	ug/L	99
29) Cyclohexane	4.587	56	60523	47.244	ug/L	100
30) 1,1,1-Trichloroethane	4.516	97	155868	55.206	ug/L	99
31) Carbon tetrachloride	4.738	117	129984	55.420	ug/L	99
33) Benzene	5.014	78	293033	55.522	ug/L	100
34) Trichloroethene	5.838	95	95200	57.254	ug/L	96
35) Methylcyclohexane	6.056	83	69215	48.671	ug/L	99
37) 1,2-Dichloropropane	6.098	63	108741	57.242	ug/L	99
38) Bromodichloromethane	6.436	83	155458	55.912	ug/L	97
39) cis-1,3-Dichloropropene	6.960	75	145100	51.125	ug/L	98
40) 4-Methyl-2-pentanone	7.162	43	350381	113.541	ug/L	100
42) Toluene	7.320	91	344539	58.323	ug/L	98
44) trans-1,3-Dichloropropene	7.583	75	162232	56.356	ug/L	99
45) 1,1,2-Trichloroethane	7.773	97	112961	57.528	ug/L	99
46) Tetrachloroethene	7.908	164	60258	55.822	ug/L	98
48) 2-Hexanone	8.082	43	284321	117.706	ug/L	99
49) Dibromochloromethane	8.181	129	124362	58.060	ug/L	98
50) 1,2-Dibromoethane	8.288	107	106458	56.316	ug/L	98
51) Chlorobenzene	8.818	112	250503	55.769	ug/L	97
52) Ethylbenzene	8.953	91	407280	55.397	ug/L	99
53) m,p-Xylene	9.079	106	150571	56.832	ug/L	100
54) o-Xylene	9.484	106	151694	56.757	ug/L	98
55) Styrene	9.500	104	301137	61.801	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.185	83	156651	52.044	ug/L	98
59) Bromoform	9.670	173	99250	52.360	ug/L	99
60) Isopropylbenzene	9.873	105	453898	53.694	ug/L	99
61) 1,2,3-Trichloropropane	10.214	75	159861	53.381	ug/L	98
62) 1,3,5-Trimethylbenzene	10.484	105	372861	53.408	ug/L	99
63) 1,2,4-Trimethylbenzene	10.857	105	376544	53.884	ug/L	99
64) 1,3-Dichlorobenzene	11.123	146	236948	54.762	ug/L	99
65) 1,4-Dichlorobenzene	11.214	146	246303	53.817	ug/L	98
67) 1,2-Dichlorobenzene	11.586	146	243276	54.846	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.371	75	41464	52.236	ug/L	96
69) 1,3,5-Trichlorobenzene	12.590	180	175696	52.742	ug/L	99
70) 1,2,4-trichlorobenzene	13.204	180	148257	52.168	ug/L	99
71) Naphthalene	13.445	128	351784	45.162	ug/L	99
72) 1,2,3-Trichlorobenzene	13.686	180	151632	53.230	ug/L	99

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

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