

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW061223\
 Data File : VW031498.D
 Acq On : 12 Jun 2023 09:37
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050367

Quant Time: Jun 13 01:37:27 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM060723WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jun 10 01:38:32 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.538	114	224907	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	231180	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	143301	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	73782	37.286	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	74.580%
7) Chloroethane-d5	1.532	69	75605	47.192	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.380%
11) 1,1-Dichloroethene-d2	2.059	65	41287	44.024	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.040%
21) 2-Butanone-d5	3.796	46	158939	111.141	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	111.140%
24) Chloroform-d	4.252	84	199619	53.033	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.060%
26) 1,2-Dichloroethane-d4	4.944	65	134506	53.267	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.540%
32) Benzene-d6	4.963	84	333179	48.815	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.620%
36) 1,2-Dichloropropane-d6	5.992	67	119740	50.471	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.940%
41) Toluene-d8	7.246	98	314826	50.212	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.420%
43) trans-1,3-Dichloroprop...	7.554	79	55185	46.178	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.360%
47) 2-Hexanone-d5	8.030	63	96539	108.040	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	108.040%
56) 1,1,2,2-Tetrachloroeth...	10.159	84	158219	52.845	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	105.700%
66) 1,2-Dichlorobenzene-d4	11.567	152	130896	49.241	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.480%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	48765	54.068	ug/L	97
3) Chloromethane	1.214	50	37006	50.560	ug/L	96
5) Vinyl chloride	1.281	62	44892	51.408	ug/L	97
6) Bromomethane	1.487	94	27976	53.303	ug/L	98
8) Chloroethane	1.548	64	38335	54.487	ug/L	98
9) Trichlorofluoromethane	1.712	101	120667	57.248	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	77273	56.690	ug/L	96
12) 1,1-Dichloroethene	2.069	96	47195	52.600	ug/L	99
13) Acetone	2.124	43	159431	124.621	ug/L	99
14) Carbon disulfide	2.243	76	35955	46.848	ug/L	96
15) Methyl Acetate	2.378	43	107270	55.527	ug/L	97
16) Methylene chloride	2.449	84	73620	54.357	ug/L	95
17) trans-1,2-Dichloroethene	2.696	96	44823	52.691	ug/L	97
18) Methyl tert-butyl Ether	2.706	73	280043	53.557	ug/L	100
19) 1,1-Dichloroethane	3.114	63	163578	55.590	ug/L	97
20) cis-1,2-Dichloroethene	3.818	96	76881	55.588	ug/L	93
22) 2-Butanone	3.876	43	176841	112.468	ug/L	97
23) Bromochloromethane	4.149	128	41785	57.453	ug/L	96
25) Chloroform	4.278	83	191114	58.243	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.043	62	142425	59.443	ug/L	99
29) Cyclohexane	4.590	56	59172	47.791	ug/L	97
30) 1,1,1-Trichloroethane	4.516	97	153590	56.284	ug/L	98
31) Carbon tetrachloride	4.741	117	125416	55.326	ug/L	97
33) Benzene	5.014	78	281615	55.208	ug/L	100
34) Trichloroethene	5.837	95	92886	57.798	ug/L	100
35) Methylcyclohexane	6.053	83	67112	48.827	ug/L	98
37) 1,2-Dichloropropane	6.098	63	105747	57.595	ug/L	99
38) Bromodichloromethane	6.435	83	150625	56.051	ug/L	96
39) cis-1,3-Dichloropropene	6.956	75	146374	53.361	ug/L	96
40) 4-Methyl-2-pentanone	7.162	43	346814	116.280	ug/L	99
42) Toluene	7.320	91	326934	57.261	ug/L	100
44) trans-1,3-Dichloropropene	7.583	75	158744	57.055	ug/L	99
45) 1,1,2-Trichloroethane	7.773	97	110283	58.111	ug/L	95
46) Tetrachloroethene	7.908	164	57930	55.526	ug/L	99
48) 2-Hexanone	8.079	43	292114	125.124	ug/L	98
49) Dibromochloromethane	8.181	129	122004	58.933	ug/L	98
50) 1,2-Dibromoethane	8.287	107	103647	56.729	ug/L	98
51) Chlorobenzene	8.818	112	239615	55.194	ug/L	98
52) Ethylbenzene	8.950	91	395038	55.594	ug/L	99
53) m,p-Xylene	9.078	106	148522	58.001	ug/L	100
54) o-Xylene	9.484	106	146600	56.752	ug/L	94
55) Styrene	9.500	104	290374	61.657	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.181	83	152851	52.541	ug/L	98
59) Bromoform	9.670	173	95573	52.050	ug/L	99
60) Isopropylbenzene	9.873	105	433159	52.898	ug/L	100
61) 1,2,3-Trichloropropane	10.213	75	153417	52.886	ug/L	98
62) 1,3,5-Trimethylbenzene	10.484	105	357916	52.925	ug/L	99
63) 1,2,4-Trimethylbenzene	10.857	105	367963	54.359	ug/L	100
64) 1,3-Dichlorobenzene	11.123	146	230153	54.911	ug/L	99
65) 1,4-Dichlorobenzene	11.213	146	237652	53.606	ug/L	99
67) 1,2-Dichlorobenzene	11.586	146	230803	53.717	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.368	75	39583	51.479	ug/L	96
69) 1,3,5-Trichlorobenzene	12.590	180	168362	52.175	ug/L	98
70) 1,2,4-trichlorobenzene	13.204	180	140964	51.205	ug/L	99
71) Naphthalene	13.445	128	331976	43.998	ug/L	100
72) 1,2,3-Trichlorobenzene	13.686	180	146126	52.956	ug/L	98

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

