

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW062923\
 Data File : VW031610.D
 Acq On : 29 Jun 2023 10:12
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050380

Quant Time: Jun 30 04:22:48 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM061423WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jun 22 02:14:12 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.539	114	202574	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	218111	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	142312	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	67968	50.414	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	100.820%
7) Chloroethane-d5	1.535	69	63063	53.609	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	107.220%
11) 1,1-Dichloroethene-d2	2.063	65	38552	55.484	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	110.960%
21) 2-Butanone-d5	3.793	46	104733	95.938	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	95.940%
24) Chloroform-d	4.252	84	159909	47.360	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.720%
26) 1,2-Dichloroethane-d4	4.947	65	99362	47.035	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.060%
32) Benzene-d6	4.966	84	259821	42.321	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.640%
36) 1,2-Dichloropropane-d6	5.992	67	90554	41.615	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	83.240%
41) Toluene-d8	7.246	98	239812	42.567	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.140%
43) trans-1,3-Dichloroprop...	7.555	79	45350	42.752	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.500%
47) 2-Hexanone-d5	8.027	63	78705	91.608	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	91.610%
56) 1,1,2,2-Tetrachloroeth...	10.159	84	161738	49.244	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.480%
66) 1,2-Dichlorobenzene-d4	11.567	152	108126	39.859	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	79.720%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	110567	51.457	ug/L	100
3) Chloromethane	1.217	50	107430	52.985	ug/L	99
5) Vinyl chloride	1.285	62	106298	52.887	ug/L	96
6) Bromomethane	1.490	94	69857	53.326	ug/L	89
8) Chloroethane	1.552	64	67871	52.283	ug/L	98
9) Trichlorofluoromethane	1.716	101	182198	54.488	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.072	101	109584	61.153	ug/L	96
12) 1,1-Dichloroethene	2.072	96	89290	59.570	ug/L	93
13) Acetone	2.121	43	122511	113.729	ug/L	96
14) Carbon disulfide	2.246	76	263508	58.118	ug/L	99
15) Methyl Acetate	2.378	43	109621	60.442	ug/L	99
16) Methylene chloride	2.452	84	91753	48.826	ug/L	95
17) trans-1,2-Dichloroethene	2.699	96	75743	48.410	ug/L	93
18) Methyl tert-butyl Ether	2.709	73	259373	49.682	ug/L	99
19) 1,1-Dichloroethane	3.117	63	176518	52.273	ug/L	99
20) cis-1,2-Dichloroethene	3.822	96	82501	48.793	ug/L	95
22) 2-Butanone	3.873	43	133172	98.961	ug/L	98
23) Bromochloromethane	4.153	128	46411	50.779	ug/L	91
25) Chloroform	4.281	83	178372	50.813	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.047	62	148792	54.920	ug/L	97
29) Cyclohexane	4.590	56	132292	46.620	ug/L	96
30) 1,1,1-Trichloroethane	4.519	97	164546	47.054	ug/L	98
31) Carbon tetrachloride	4.741	117	148456	47.913	ug/L	99
33) Benzene	5.014	78	348655	48.013	ug/L	100
34) Trichloroethene	5.838	95	89767	46.261	ug/L	97
35) Methylcyclohexane	6.056	83	133199	46.587	ug/L	98
37) 1,2-Dichloropropane	6.098	63	106253	49.829	ug/L	100
38) Bromodichloromethane	6.436	83	140766	48.839	ug/L	99
39) cis-1,3-Dichloropropene	6.956	75	148928	47.050	ug/L	97
40) 4-Methyl-2-pentanone	7.162	43	267712	106.920	ug/L	97
42) Toluene	7.320	91	379768	50.439	ug/L	100
44) trans-1,3-Dichloropropene	7.583	75	154292	50.054	ug/L	98
45) 1,1,2-Trichloroethane	7.773	97	96660	47.985	ug/L	98
46) Tetrachloroethene	7.908	164	71704	47.082	ug/L	99
48) 2-Hexanone	8.079	43	219634	109.832	ug/L	93
49) Dibromochloromethane	8.181	129	110039	49.151	ug/L	99
50) 1,2-Dibromoethane	8.288	107	101986	47.549	ug/L	98
51) Chlorobenzene	8.818	112	250368	50.208	ug/L	98
52) Ethylbenzene	8.950	91	427679	50.906	ug/L	99
53) m,p-Xylene	9.079	106	170560	55.437	ug/L	98
54) o-Xylene	9.484	106	150876	51.676	ug/L	98
55) Styrene	9.500	104	294189	56.419	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.181	83	177587	53.956	ug/L	97
59) Bromoform	9.670	173	92881	52.652	ug/L #	96
60) Isopropylbenzene	9.873	105	447395	49.312	ug/L	99
61) 1,2,3-Trichloropropane	10.214	75	139188	49.518	ug/L	99
62) 1,3,5-Trimethylbenzene	10.484	105	347243	46.308	ug/L	99
63) 1,2,4-Trimethylbenzene	10.857	105	329649	47.182	ug/L	100
64) 1,3-Dichlorobenzene	11.124	146	222107	48.829	ug/L	100
65) 1,4-Dichlorobenzene	11.214	146	218405	45.059	ug/L	96
67) 1,2-Dichlorobenzene	11.583	146	211608	46.093	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.371	75	38019	45.572	ug/L	88
69) 1,3,5-Trichlorobenzene	12.586	180	150626	43.459	ug/L	98
70) 1,2,4-trichlorobenzene	13.204	180	129933	42.769	ug/L	99
71) Naphthalene	13.445	128	337931	43.915	ug/L	99
72) 1,2,3-Trichlorobenzene	13.686	180	142877	45.257	ug/L	98

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

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