

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW061923\
 Data File : VW031598.D
 Acq On : 19 Jun 2023 13:38
 Operator : SY/MD
 Sample : VSTDCC050EC
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050377

Quant Time: Jun 20 01:56:19 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM061423WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jun 17 02:08:04 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.539	114	233964	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	239955	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	151043	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.282	65	87599	56.258	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	112.520%
7) Chloroethane-d5	1.536	69	70054	51.562	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	103.120%
11) 1,1-Dichloroethene-d2	2.063	65	42263	52.664	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	105.320%
21) 2-Butanone-d5	3.799	46	109772	87.063	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	87.060%
24) Chloroform-d	4.256	84	179104	45.928	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.860%
26) 1,2-Dichloroethane-d4	4.947	65	111851	45.843	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.680%
32) Benzene-d6	4.963	84	335543	49.679	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.360%
36) 1,2-Dichloropropane-d6	5.992	67	108378	45.272	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	90.540%
41) Toluene-d8	7.246	98	321283	51.836	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.680%
43) trans-1,3-Dichloroprop...	7.555	79	52755	45.205	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.420%
47) 2-Hexanone-d5	8.030	63	82724	87.521	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	87.520%
56) 1,1,2,2-Tetrachloroeth...	10.156	84	157650	43.630	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	87.260%
66) 1,2-Dichlorobenzene-d4	11.567	152	125646	43.640	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.280%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	115547	46.560	ug/L	98
3) Chloromethane	1.217	50	98033	41.863	ug/L	96
5) Vinyl chloride	1.285	62	104997	45.231	ug/L	100
6) Bromomethane	1.491	94	68872	45.521	ug/L	100
8) Chloroethane	1.552	64	63744	42.516	ug/L	97
9) Trichlorofluoromethane	1.716	101	184762	47.842	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.072	101	102345	49.451	ug/L	98
12) 1,1-Dichloroethene	2.072	96	84628	48.885	ug/L	95
13) Acetone	2.127	43	99915	80.309	ug/L	98
14) Carbon disulfide	2.246	76	253934	48.492	ug/L	100
15) Methyl Acetate	2.378	43	98882	47.206	ug/L	96
16) Methylene chloride	2.452	84	101265	46.658	ug/L	98
17) trans-1,2-Dichloroethene	2.699	96	88274	48.850	ug/L	96
18) Methyl tert-butyl Ether	2.709	73	293254	48.636	ug/L	98
19) 1,1-Dichloroethane	3.114	63	184855	47.397	ug/L	98
20) cis-1,2-Dichloroethene	3.818	96	95246	48.773	ug/L	94
22) 2-Butanone	3.876	43	131928	84.883	ug/L	97
23) Bromochloromethane	4.153	128	54239	51.381	ug/L	96
25) Chloroform	4.278	83	208243	51.363	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.047	62	150104	47.971	ug/L	98
29) Cyclohexane	4.590	56	140847	45.116	ug/L	99
30) 1,1,1-Trichloroethane	4.516	97	181745	47.241	ug/L	98
31) Carbon tetrachloride	4.741	117	164711	48.320	ug/L	98
33) Benzene	5.014	78	383360	47.986	ug/L	100
34) Trichloroethene	5.838	95	102255	47.899	ug/L	98
35) Methylcyclohexane	6.056	83	148318	47.152	ug/L	99
37) 1,2-Dichloropropane	6.098	63	109399	46.634	ug/L	98
38) Bromodichloromethane	6.436	83	152528	48.102	ug/L	97
39) cis-1,3-Dichloropropene	6.957	75	153565	44.098	ug/L	99
40) 4-Methyl-2-pentanone	7.162	43	261796	95.039	ug/L	98
42) Toluene	7.320	91	413557	49.927	ug/L	98
44) trans-1,3-Dichloropropene	7.584	75	163863	48.319	ug/L	98
45) 1,1,2-Trichloroethane	7.773	97	106924	48.249	ug/L	99
46) Tetrachloroethene	7.908	164	80819	48.236	ug/L	97
48) 2-Hexanone	8.082	43	214031	97.287	ug/L	99
49) Dibromochloromethane	8.182	129	121117	49.174	ug/L	97
50) 1,2-Dibromoethane	8.284	107	113663	48.169	ug/L #	99
51) Chlorobenzene	8.818	112	262673	47.880	ug/L	98
52) Ethylbenzene	8.950	91	454697	49.195	ug/L	100
53) m,p-Xylene	9.079	106	171497	50.667	ug/L	95
54) o-Xylene	9.484	106	159657	49.705	ug/L	100
55) Styrene	9.500	104	306309	53.396	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.181	83	173200	47.833	ug/L	97
59) Bromoform	9.667	173	95352	50.928	ug/L #	100
60) Isopropylbenzene	9.873	105	453696	47.116	ug/L	99
61) 1,2,3-Trichloropropane	10.214	75	134501	45.085	ug/L	100
62) 1,3,5-Trimethylbenzene	10.480	105	377519	47.435	ug/L	98
63) 1,2,4-Trimethylbenzene	10.857	105	352417	47.525	ug/L	98
64) 1,3-Dichlorobenzene	11.124	146	229127	47.461	ug/L	99
65) 1,4-Dichlorobenzene	11.214	146	242278	47.095	ug/L	98
67) 1,2-Dichlorobenzene	11.583	146	233702	47.963	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.371	75	38238	43.185	ug/L	97
69) 1,3,5-Trichlorobenzene	12.587	180	168207	45.726	ug/L	99
70) 1,2,4-trichlorobenzene	13.204	180	145195	45.030	ug/L	99
71) Naphthalene	13.445	128	353400	43.270	ug/L	100
72) 1,2,3-Trichlorobenzene	13.686	180	153496	45.810	ug/L	97

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

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