

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW081523\
 Data File : VW031798.D
 Acq On : 15 Aug 2023 09:22
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050396

Quant Time: Aug 16 01:59:29 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072523WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jul 28 22:38:33 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.539	114	355849	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	387090	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	249226	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	144511	39.836	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	79.680%
7) Chloroethane-d5	1.529	69	145145	43.660	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.320%
11) 1,1-Dichloroethene-d2	2.060	65	68670	40.895	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	81.800%
21) 2-Butanone-d5	3.786	46	252486	100.584	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.580%
24) Chloroform-d	4.252	84	360465	48.331	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.660%
26) 1,2-Dichloroethane-d4	4.944	65	218567	47.099	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.200%
32) Benzene-d6	4.963	84	553374	45.145	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.300%
36) 1,2-Dichloropropane-d6	5.992	67	205927	44.724	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	89.440%
41) Toluene-d8	7.246	98	498406	48.510	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.020%
43) trans-1,3-Dichloroprop...	7.555	79	89977	45.464	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.920%
47) 2-Hexanone-d5	8.027	63	169752	98.314	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.310%
56) 1,1,2,2-Tetrachloroeth...	10.156	84	307824	48.522	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.040%
66) 1,2-Dichlorobenzene-d4	11.564	152	221526	43.900	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	224081	50.953	ug/L	100
3) Chloromethane	1.217	50	212139	50.718	ug/L	97
5) Vinyl chloride	1.282	62	222408	52.492	ug/L	100
6) Bromomethane	1.484	94	141580	48.481	ug/L	100
8) Chloroethane	1.548	64	146777	51.904	ug/L	99
9) Trichlorofluoromethane	1.712	101	371318	51.986	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	222963	54.039	ug/L	98
12) 1,1-Dichloroethene	2.069	96	179226	52.265	ug/L	91
13) Acetone	2.111	43	315294	131.225	ug/L	98
14) Carbon disulfide	2.240	76	418580	49.657	ug/L	99
15) Methyl Acetate	2.371	43	212139	50.702	ug/L	98
16) Methylene chloride	2.445	84	204447	53.067	ug/L	98
17) trans-1,2-Dichloroethene	2.696	96	158355	51.912	ug/L	99
18) Methyl tert-butyl Ether	2.706	73	509072	50.728	ug/L	97
19) 1,1-Dichloroethane	3.114	63	362703	51.364	ug/L	97
20) cis-1,2-Dichloroethene	3.818	96	176649	51.278	ug/L	96
22) 2-Butanone	3.867	43	339706	124.305	ug/L	97
23) Bromochloromethane	4.150	128	102340	53.653	ug/L	98
25) Chloroform	4.278	83	390403	52.194	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.043	62	295354	53.092	ug/L	98
29) Cyclohexane	4.587	56	231287	48.526	ug/L	99
30) 1,1,1-Trichloroethane	4.516	97	332186	49.958	ug/L	98
31) Carbon tetrachloride	4.738	117	297436	51.231	ug/L	98
33) Benzene	5.011	78	728824	53.530	ug/L	100
34) Trichloroethene	5.838	95	214381	49.897	ug/L	93
35) Methylcyclohexane	6.056	83	246840	51.652	ug/L	99
37) 1,2-Dichloropropane	6.095	63	219344	54.232	ug/L	100
38) Bromodichloromethane	6.436	83	291794	50.576	ug/L	98
39) cis-1,3-Dichloropropene	6.957	75	290114	50.526	ug/L	99
40) 4-Methyl-2-pentanone	7.162	43	562195	109.139	ug/L	97
42) Toluene	7.320	91	800165	57.223	ug/L	100
44) trans-1,3-Dichloropropene	7.583	75	295580	51.584	ug/L	98
45) 1,1,2-Trichloroethane	7.773	97	220681	54.073	ug/L	97
46) Tetrachloroethene	7.908	164	150297	55.364	ug/L	99
48) 2-Hexanone	8.079	43	506118	123.178	ug/L	96
49) Dibromochloromethane	8.178	129	232038	53.879	ug/L	99
50) 1,2-Dibromoethane	8.284	107	225509	52.450	ug/L	100
51) Chlorobenzene	8.818	112	488968	52.334	ug/L	99
52) Ethylbenzene	8.950	91	820239	54.129	ug/L	99
53) m,p-Xylene	9.079	106	312328	57.155	ug/L	98
54) o-Xylene	9.484	106	285289	54.472	ug/L	94
55) Styrene	9.500	104	571216	59.706	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.181	83	286921	50.701	ug/L #	95
59) Bromoform	9.667	173	168325	49.259	ug/L #	96
60) Isopropylbenzene	9.873	105	809042	52.015	ug/L	100
61) 1,2,3-Trichloropropane	10.214	75	286985	49.092	ug/L	98
62) 1,3,5-Trimethylbenzene	10.480	105	631710	50.195	ug/L	100
63) 1,2,4-Trimethylbenzene	10.857	105	660254	51.825	ug/L	99
64) 1,3-Dichlorobenzene	11.120	146	420559	51.725	ug/L	98
65) 1,4-Dichlorobenzene	11.214	146	452488	52.352	ug/L	100
67) 1,2-Dichlorobenzene	11.583	146	432838	51.703	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.368	75	75263	46.289	ug/L	99
69) 1,3,5-Trichlorobenzene	12.586	180	292591	49.340	ug/L	98
70) 1,2,4-trichlorobenzene	13.204	180	244587	46.102	ug/L	100
71) Naphthalene	13.445	128	715874	46.811	ug/L	99
72) 1,2,3-Trichlorobenzene	13.686	180	285047	51.399	ug/L	97

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

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