

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW042023\
 Data File : VW030703.D
 Acq On : 20 Apr 2023 09:36
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050296

Quant Time: Apr 21 00:12:46 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM041723WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Apr 20 02:25:10 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	222118	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.792	117	217946	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	129991	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.282	65	82691	50.784	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	101.560%
7) Chloroethane-d5	1.536	69	70952	51.998	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	104.000%
11) 1,1-Dichloroethene-d2	2.063	65	38201	49.471	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.940%
21) 2-Butanone-d5	3.799	46	86335	96.533	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	96.530%
24) Chloroform-d	4.259	84	147266	49.906	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.820%
26) 1,2-Dichloroethane-d4	4.950	65	98204	51.764	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.520%
32) Benzene-d6	4.966	84	265110	51.449	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.900%
36) 1,2-Dichloropropane-d6	5.995	67	77799	48.606	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.220%
41) Toluene-d8	7.249	98	258207	53.370	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.740%
43) trans-1,3-Dichloroprop...	7.558	79	42137	52.231	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	104.460%
47) 2-Hexanone-d5	8.030	63	56601	89.765	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	89.770%
56) 1,1,2,2-Tetrachloroeth...	10.159	84	113981	49.075	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.160%
66) 1,2-Dichlorobenzene-d4	11.567	152	106399	51.496	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	97650	51.134	ug/L	99
3) Chloromethane	1.217	50	112579	44.940	ug/L	100
5) Vinyl chloride	1.285	62	98910	48.973	ug/L	100
6) Bromomethane	1.490	94	44139	55.115	ug/L	99
8) Chloroethane	1.552	64	66383	47.921	ug/L	98
9) Trichlorofluoromethane	1.719	101	171006	52.242	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.072	101	90466	52.588	ug/L	99
12) 1,1-Dichloroethene	2.072	96	79192	50.917	ug/L	92
13) Acetone	2.124	43	180407	130.359	ug/L	100
14) Carbon disulfide	2.246	76	210488	47.915	ug/L	98
15) Methyl Acetate	2.378	43	87691	47.481	ug/L	100
16) Methylene chloride	2.452	84	84965	47.738	ug/L	97
17) trans-1,2-Dichloroethene	2.699	96	76856	48.949	ug/L	96
18) Methyl tert-butyl Ether	2.709	73	266451	52.981	ug/L	98
19) 1,1-Dichloroethane	3.117	63	157259	49.125	ug/L	99
20) cis-1,2-Dichloroethene	3.822	96	86873	50.863	ug/L	99
22) 2-Butanone	3.876	43	159274	111.367	ug/L	99
23) Bromochloromethane	4.153	128	48189	50.516	ug/L	98
25) Chloroform	4.285	83	165859	50.058	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.047	62	147223	52.490	ug/L	99
29) Cyclohexane	4.593	56	133786	51.152	ug/L	99
30) 1,1,1-Trichloroethane	4.523	97	155149	50.661	ug/L	100
31) Carbon tetrachloride	4.744	117	139964	51.118	ug/L	98
33) Benzene	5.018	78	340503	51.449	ug/L	100
34) Trichloroethene	5.838	95	86043	49.982	ug/L	95
35) Methylcyclohexane	6.059	83	144155	53.441	ug/L	98
37) 1,2-Dichloropropane	6.098	63	87374	49.049	ug/L	98
38) Bromodichloromethane	6.439	83	127627	51.002	ug/L	96
39) cis-1,3-Dichloropropene	6.960	75	140184	52.433	ug/L	100
40) 4-Methyl-2-pentanone	7.165	43	247766	99.570	ug/L	99
42) Toluene	7.320	91	377669	53.276	ug/L	99
44) trans-1,3-Dichloropropene	7.587	75	140955	53.662	ug/L	100
45) 1,1,2-Trichloroethane	7.773	97	87344	48.898	ug/L	97
46) Tetrachloroethene	7.911	164	79176	52.544	ug/L	98
48) 2-Hexanone	8.082	43	228913	111.491	ug/L	98
49) Dibromochloromethane	8.182	129	100201	50.856	ug/L	98
50) 1,2-Dibromoethane	8.288	107	90309	48.794	ug/L	98
51) Chlorobenzene	8.821	112	242832	51.723	ug/L	99
52) Ethylbenzene	8.953	91	416024	53.011	ug/L	99
53) m,p-Xylene	9.079	106	161133	54.358	ug/L	99
54) o-Xylene	9.484	106	155811	53.729	ug/L	99
55) Styrene	9.503	104	280160	54.998	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.185	83	141862	48.372	ug/L	100
59) Bromoform	9.670	173	81846	50.290	ug/L	100
60) Isopropylbenzene	9.873	105	431810	53.264	ug/L	100
61) 1,2,3-Trichloropropane	10.217	75	107588	46.211	ug/L	98
62) 1,3,5-Trimethylbenzene	10.484	105	355069	53.195	ug/L	100
63) 1,2,4-Trimethylbenzene	10.860	105	355019	53.270	ug/L	100
64) 1,3-Dichlorobenzene	11.124	146	213302	52.553	ug/L	99
65) 1,4-Dichlorobenzene	11.217	146	221571	51.769	ug/L	99
67) 1,2-Dichlorobenzene	11.587	146	213411	52.120	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.371	75	30455	44.152	ug/L	98
69) 1,3,5-Trichlorobenzene	12.590	180	165489	53.975	ug/L	99
70) 1,2,4-trichlorobenzene	13.207	180	136613	52.478	ug/L	99
71) Naphthalene	13.448	128	350979	49.286	ug/L	99
72) 1,2,3-Trichlorobenzene	13.689	180	137712	53.348	ug/L	100

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

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