

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW031022\
 Data File : VW024903.D
 Acq On : 10 Mar 2022 10:07
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050284

Quant Time: Mar 11 02:43:22 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM022822WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Mar 10 05:49:38 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.613	114	292006	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.850	117	290713	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.246	152	150455	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	132483	44.620	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	89.240%
7) Chloroethane-d5	1.568	69	99745	42.818	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	85.640%
11) 1,1-Dichloroethene-d2	2.108	63	222078	44.563	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.120%
21) 2-Butanone-d5	3.886	46	147043	87.021	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	87.020%
24) Chloroform-d	4.343	84	218794	42.213	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.420%
26) 1,2-Dichloroethane-d4	5.027	65	125529	41.047	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.100%
32) Benzene-d6	5.043	84	450171	41.778	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.560%
36) 1,2-Dichloropropane-d6	6.066	67	136836	40.759	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	81.520%
41) Toluene-d8	7.310	98	407394	42.676	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.360%
43) trans-1,3-Dichloroprop...	7.619	79	63037	43.213	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.420%
47) 2-Hexanone-d5	8.085	63	100703	79.026	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	79.030%
56) 1,1,2,2-Tetrachloroeth...	10.214	84	157854	39.642	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	79.280%
66) 1,2-Dichlorobenzene-d4	11.622	152	142415	41.092	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	82.180%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.130	85	138485	50.231	ug/L	99
3) Chloromethane	1.240	50	135680	47.570	ug/L	99
5) Vinyl chloride	1.311	62	144846	49.495	ug/L	99
6) Bromomethane	1.523	94	85749	49.050	ug/L	97
8) Chloroethane	1.584	64	88531	51.620	ug/L	100
9) Trichlorofluoromethane	1.751	101	194793	52.049	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.114	101	116035	52.282	ug/L	99
12) 1,1-Dichloroethene	2.118	96	107435	49.706	ug/L	88
13) Acetone	2.182	43	162930	126.273	ug/L	97
14) Carbon disulfide	2.291	76	329618	49.919	ug/L	100
15) Methyl Acetate	2.433	43	121346	54.746	ug/L	100
16) Methylene chloride	2.503	84	130455	51.536	ug/L	98
17) trans-1,2-Dichloroethene	2.757	96	121129	51.818	ug/L	98
18) Methyl tert-butyl Ether	2.767	73	369387	51.827	ug/L	100
19) 1,1-Dichloroethane	3.185	63	218642	51.876	ug/L	99
20) cis-1,2-Dichloroethene	3.905	96	130565	51.600	ug/L	100
22) 2-Butanone	3.970	43	189274	127.928	ug/L	100
23) Bromochloromethane	4.243	128	65541	51.792	ug/L	98
25) Chloroform	4.371	83	225247	51.447	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.124	62	159350	52.156	ug/L	98
29) Cyclohexane	4.674	56	191337	50.316	ug/L	98
30) 1,1,1-Trichloroethane	4.603	97	193481	50.543	ug/L	99
31) Carbon tetrachloride	4.825	117	164696	50.601	ug/L	98
33) Benzene	5.095	78	502239	51.190	ug/L	100
34) Trichloroethene	5.908	95	142455	52.965	ug/L	99
35) Methylcyclohexane	6.127	83	212155	51.991	ug/L	99
37) 1,2-Dichloropropane	6.169	63	127598	51.828	ug/L	100
38) Bromodichloromethane	6.506	83	165924	51.430	ug/L	99
39) cis-1,3-Dichloropropene	7.021	75	190130	51.311	ug/L	100
40) 4-Methyl-2-pentanone	7.223	43	313235	106.714	ug/L	99
42) Toluene	7.384	91	536021	52.357	ug/L	100
44) trans-1,3-Dichloropropene	7.648	75	182631	53.649	ug/L	100
45) 1,1,2-Trichloroethane	7.834	97	123918	51.803	ug/L	99
46) Tetrachloroethene	7.973	164	90244	51.954	ug/L	97
48) 2-Hexanone	8.137	43	257910	111.644	ug/L	98
49) Dibromochloromethane	8.243	129	124672	53.932	ug/L	97
50) 1,2-Dibromoethane	8.349	107	129505	52.496	ug/L	99
51) Chlorobenzene	8.879	112	333669	51.664	ug/L	100
52) Ethylbenzene	9.008	91	572454	53.015	ug/L	100
53) m,p-Xylene	9.137	106	219464	52.894	ug/L	100
54) o-Xylene	9.542	106	215910	53.855	ug/L	99
55) Styrene	9.558	104	372757	54.798	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.239	83	166027	49.621	ug/L	99
59) Bromoform	9.728	173	73268	53.458	ug/L	99
60) Isopropylbenzene	9.928	105	570624	52.224	ug/L	100
61) 1,2,3-Trichloropropane	10.268	75	149667	49.715	ug/L	98
62) 1,3,5-Trimethylbenzene	10.535	105	388186	52.656	ug/L	100
63) 1,2,4-Trimethylbenzene	10.911	105	480101	53.133	ug/L	100
64) 1,3-Dichlorobenzene	11.178	146	249957	52.132	ug/L	99
65) 1,4-Dichlorobenzene	11.268	146	252808	51.502	ug/L	99
67) 1,2-Dichlorobenzene	11.641	146	245861	50.951	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.426	75	35656	51.882	ug/L	92
69) 1,3,5-Trichlorobenzene	12.641	180	168069	51.929	ug/L	99
70) 1,2,4-trichlorobenzene	13.259	180	147226	52.209	ug/L	99
71) Naphthalene	13.500	128	499311	54.650	ug/L	100
72) 1,2,3-Trichlorobenzene	13.741	180	150315	54.057	ug/L	99

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

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