

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW120922\
 Data File : VW029588.D
 Acq On : 10 Dec 2022 17:59
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050382

Quant Time: Dec 12 00:08:20 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM120722WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Dec 10 07:45:47 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.609	114	475740	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.844	117	440232	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.239	152	237930	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	180348	61.906	ug/L	0.00
Spiked Amount 50.000	Range 60	- 135	Recovery	= 123.820%		
7) Chloroethane-d5	1.561	69	143768	64.719	ug/L	0.00
Spiked Amount 50.000	Range 70	- 130	Recovery	= 129.440%		
11) 1,1-Dichloroethene-d2	2.108	63	291027	64.048	ug/L	0.00
Spiked Amount 50.000	Range 60	- 125	Recovery	= 128.100%#		
21) 2-Butanone-d5	3.870	46	224137	126.122	ug/L	0.00
Spiked Amount 100.000	Range 40	- 130	Recovery	= 126.120%		
24) Chloroform-d	4.339	84	317081	57.839	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	= 115.680%		
26) 1,2-Dichloroethane-d4	5.024	65	179348	57.281	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	= 114.560%		
32) Benzene-d6	5.043	84	671154	57.697	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	= 115.400%		
36) 1,2-Dichloropropane-d6	6.063	67	199369	56.110	ug/L	0.00
Spiked Amount 50.000	Range 70	- 120	Recovery	= 112.220%		
41) Toluene-d8	7.307	98	621514	56.706	ug/L	0.00
Spiked Amount 50.000	Range 80	- 120	Recovery	= 113.420%		
43) trans-1,3-Dichloroprop...	7.612	79	80421	44.822	ug/L	0.00
Spiked Amount 50.000	Range 60	- 125	Recovery	= 89.640%		
47) 2-Hexanone-d5	8.082	63	188580	124.288	ug/L	0.00
Spiked Amount 100.000	Range 45	- 130	Recovery	= 124.290%		
56) 1,1,2,2-Tetrachloroeth...	10.207	84	284624	56.056	ug/L	0.00
Spiked Amount 50.000	Range 65	- 120	Recovery	= 112.120%		
66) 1,2-Dichlorobenzene-d4	11.612	152	238674	52.696	ug/L	0.00
Spiked Amount 50.000	Range 80	- 120	Recovery	= 105.400%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.127	85	177209	47.290	ug/L	99
3) Chloromethane	1.240	50	196397	45.968	ug/L	100
5) Vinyl chloride	1.310	62	189658	53.056	ug/L	98
6) Bromomethane	1.516	94	85385	59.363	ug/L	98
8) Chloroethane	1.581	64	113525	57.034	ug/L	99
9) Trichlorofluoromethane	1.751	101	237834	53.148	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.114	101	132031	53.098	ug/L	99
12) 1,1-Dichloroethene	2.117	96	140403	55.213	ug/L	97
13) Acetone	2.159	43	124375	107.431	ug/L	99
14) Carbon disulfide	2.291	76	408593	48.279	ug/L	99
15) Methyl Acetate	2.423	43	149556	56.700	ug/L	98
16) Methylene chloride	2.503	84	166604	52.692	ug/L	97
17) trans-1,2-Dichloroethene	2.754	96	151456	51.690	ug/L	96
18) Methyl tert-butyl Ether	2.764	73	479566	53.421	ug/L	100
19) 1,1-Dichloroethane	3.185	63	271546	54.097	ug/L	98
20) cis-1,2-Dichloroethene	3.905	96	167724	52.057	ug/L	92
22) 2-Butanone	3.953	43	213180	115.724	ug/L	96
23) Bromochloromethane	4.240	128	86977	52.425	ug/L	92
25) Chloroform	4.368	83	279556	53.721	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.124	62	200010	54.409	ug/L	98
29) Cyclohexane	4.670	56	241717	50.686	ug/L	99
30) 1,1,1-Trichloroethane	4.600	97	246979	51.494	ug/L	98
31) Carbon tetrachloride	4.822	117	206224	49.237	ug/L	100
33) Benzene	5.092	78	646837	52.127	ug/L	100
34) Trichloroethene	5.908	95	158488	50.969	ug/L	99
35) Methylcyclohexane	6.124	83	260319	49.292	ug/L	98
37) 1,2-Dichloropropane	6.166	63	163383	54.552	ug/L	99
38) Bromodichloromethane	6.503	83	206120	49.854	ug/L	99
39) cis-1,3-Dichloropropene	7.021	75	199617	40.526	ug/L	100
40) 4-Methyl-2-pentanone	7.220	43	416113	116.528	ug/L	97
42) Toluene	7.381	91	690429	51.694	ug/L	100
44) trans-1,3-Dichloropropene	7.641	75	196355	42.094	ug/L	100
45) 1,1,2-Trichloroethane	7.831	97	160786	51.964	ug/L	99
46) Tetrachloroethene	7.966	164	126698	50.679	ug/L	98
48) 2-Hexanone	8.133	43	325647	119.363	ug/L	95
49) Dibromochloromethane	8.236	129	167389	48.999	ug/L	100
50) 1,2-Dibromoethane	8.342	107	159324	49.980	ug/L	99
51) Chlorobenzene	8.873	112	435701	51.517	ug/L	99
52) Ethylbenzene	9.005	91	726454	51.735	ug/L	100
53) m,p-Xylene	9.130	106	281816	50.708	ug/L	100
54) o-Xylene	9.535	106	280952	51.106	ug/L	100
55) Styrene	9.551	104	500775	52.418	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.230	83	263397	53.216	ug/L	98
59) Bromoform	9.722	173	124401	47.331	ug/L	98
60) Isopropylbenzene	9.921	105	737384	52.786	ug/L	100
61) 1,2,3-Trichloropropane	10.262	75	198028	53.920	ug/L	99
62) 1,3,5-Trimethylbenzene	10.529	105	616860	49.943	ug/L	100
63) 1,2,4-Trimethylbenzene	10.905	105	615110	50.240	ug/L	100
64) 1,3-Dichlorobenzene	11.169	146	339746	49.741	ug/L	99
65) 1,4-Dichlorobenzene	11.262	146	344636	49.648	ug/L	100
67) 1,2-Dichlorobenzene	11.632	146	349272	50.007	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.413	75	53641	46.993	ug/L	95
69) 1,3,5-Trichlorobenzene	12.632	180	260947	48.007	ug/L	99
70) 1,2,4-trichlorobenzene	13.249	180	234563	48.528	ug/L	99
71) Naphthalene	13.490	128	588144	53.644	ug/L	99
72) 1,2,3-Trichlorobenzene	13.731	180	240937	50.892	ug/L	99

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

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