

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW112223\
 Data File : VW033052.D
 Acq On : 22 Nov 2023 09:19
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050337

Quant Time: Nov 23 05:51:03 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM112023WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Nov 22 03:48:12 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	323984	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	322608	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	201993	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.282	65	66805	39.438	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	78.880%		
7) Chloroethane-d5	1.532	69	53012	40.691	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	81.380%		
11) 1,1-Dichloroethene-d2	2.060	65	28855	41.630	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	83.260%		
21) 2-Butanone-d5	3.783	46	103526	96.057	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	96.060%		
24) Chloroform-d	4.249	84	194095	46.494	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	92.980%		
26) 1,2-Dichloroethane-d4	4.941	65	123364	47.373	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	94.740%		
32) Benzene-d6	4.960	84	351950	46.847	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	93.700%		
36) 1,2-Dichloropropane-d6	5.989	67	98241	46.115	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	92.220%		
41) Toluene-d8	7.243	98	342915	47.815	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	95.620%		
43) trans-1,3-Dichloroprop...	7.551	79	59475	47.821	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	95.640%		
47) 2-Hexanone-d5	8.021	63	90899	103.111	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	103.110%		
56) 1,1,2,2-Tetrachloroeth...	10.153	84	152972	47.172	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	94.340%		
66) 1,2-Dichlorobenzene-d4	11.561	152	168571	46.799	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	93.600%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.108	85	155353	44.384	ug/L	99
3) Chloromethane	1.217	50	109538	41.934	ug/L	98
5) Vinyl chloride	1.285	62	103386	42.666	ug/L	100
6) Bromomethane	1.484	94	67970	42.450	ug/L	97
8) Chloroethane	1.548	64	55809	41.641	ug/L	95
9) Trichlorofluoromethane	1.716	101	182971	46.642	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	87077	45.017	ug/L	97
12) 1,1-Dichloroethene	2.073	96	79609	44.573	ug/L	90
13) Acetone	2.111	43	90267	85.600	ug/L	99
14) Carbon disulfide	2.243	76	264904	44.596	ug/L	98
15) Methyl Acetate	2.372	43	87318	47.232	ug/L	97
16) Methylene chloride	2.449	84	109640	43.330	ug/L	97
17) trans-1,2-Dichloroethene	2.696	96	106329	46.519	ug/L	93
18) Methyl tert-butyl Ether	2.703	73	344054	47.985	ug/L	100
19) 1,1-Dichloroethane	3.111	63	183483	44.939	ug/L	99
20) cis-1,2-Dichloroethene	3.815	96	121029	47.226	ug/L	99
22) 2-Butanone	3.860	43	121448	88.947	ug/L	93
23) Bromochloromethane	4.146	128	65383	46.384	ug/L	98
25) Chloroform	4.275	83	216758	47.167	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.040	62	167761	46.795	ug/L	96
29) Cyclohexane	4.584	56	146563	47.087	ug/L	99
30) 1,1,1-Trichloroethane	4.513	97	205561	48.784	ug/L	99
31) Carbon tetrachloride	4.735	117	190052	48.400	ug/L	100
33) Benzene	5.008	78	434614	48.434	ug/L	100
34) Trichloroethene	5.831	95	122492	48.429	ug/L	98
35) Methylcyclohexane	6.050	83	179398	48.799	ug/L	98
37) 1,2-Dichloropropane	6.092	63	102804	46.675	ug/L	99
38) Bromodichloromethane	6.433	83	165109	48.247	ug/L	98
39) cis-1,3-Dichloropropene	6.953	75	181698	47.918	ug/L	99
40) 4-Methyl-2-pentanone	7.156	43	240472	99.814	ug/L	98
42) Toluene	7.317	91	494029	49.687	ug/L	99
44) trans-1,3-Dichloropropene	7.580	75	185076	48.573	ug/L	99
45) 1,1,2-Trichloroethane	7.767	97	119126	48.026	ug/L	99
46) Tetrachloroethene	7.905	164	107761	48.890	ug/L	97
48) 2-Hexanone	8.072	43	191901	100.683	ug/L	98
49) Dibromochloromethane	8.175	129	141615	49.536	ug/L	96
50) 1,2-Dibromoethane	8.281	107	126838	48.824	ug/L	95
51) Chlorobenzene	8.815	112	337072	47.774	ug/L	99
52) Ethylbenzene	8.947	91	558732	48.951	ug/L	99
53) m,p-Xylene	9.072	106	222276	49.565	ug/L	99
54) o-Xylene	9.477	106	214834	49.767	ug/L	98
55) Styrene	9.497	104	394364	51.213	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.178	83	164742	47.015	ug/L	100
59) Bromoform	9.664	173	114810	48.771	ug/L	98
60) Isopropylbenzene	9.866	105	604843	49.394	ug/L	99
61) 1,2,3-Trichloropropane	10.210	75	134442	46.137	ug/L	99
62) 1,3,5-Trimethylbenzene	10.477	105	478977	48.753	ug/L	98
63) 1,2,4-Trimethylbenzene	10.854	105	508741	49.429	ug/L	100
64) 1,3-Dichlorobenzene	11.117	146	310647	47.351	ug/L	99
65) 1,4-Dichlorobenzene	11.210	146	326965	46.887	ug/L	99
67) 1,2-Dichlorobenzene	11.580	146	310982	47.240	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.365	75	40215	47.440	ug/L	97
69) 1,3,5-Trichlorobenzene	12.583	180	246022	48.235	ug/L	99
70) 1,2,4-trichlorobenzene	13.201	180	229232	49.041	ug/L	99
71) Naphthalene	13.439	128	597454	51.677	ug/L	100
72) 1,2,3-Trichlorobenzene	13.680	180	231765	51.141	ug/L	100

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

