

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW120523\
 Data File : VW033101.D
 Acq On : 05 Dec 2023 11:06
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050346

Quant Time: Dec 06 01:14:36 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM120123WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Dec 05 03:20:48 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	348816	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	345983	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	212045	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	82561	39.593	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	79.180%
7) Chloroethane-d5	1.532	69	60955	41.954	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	83.900%
11) 1,1-Dichloroethene-d2	2.060	65	32037	40.386	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	80.780%
21) 2-Butanone-d5	3.780	46	89446	86.364	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	86.360%
24) Chloroform-d	4.246	84	200090	45.216	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.440%
26) 1,2-Dichloroethane-d4	4.941	65	123461	44.874	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.740%
32) Benzene-d6	4.957	84	361234	44.642	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.280%
36) 1,2-Dichloropropane-d6	5.986	67	98667	45.350	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	90.700%
41) Toluene-d8	7.243	98	347409	45.006	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.020%
43) trans-1,3-Dichloroprop...	7.551	79	60079	43.669	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.340%
47) 2-Hexanone-d5	8.021	63	77932	89.162	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	89.160%
56) 1,1,2,2-Tetrachloroeth...	10.153	84	148495	48.013	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.020%
66) 1,2-Dichlorobenzene-d4	11.561	152	168821	44.747	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.500%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	169850	44.547	ug/L	100
3) Chloromethane	1.214	50	112864	44.882	ug/L	97
5) Vinyl chloride	1.285	62	106356	44.099	ug/L	98
6) Bromomethane	1.487	94	71582	45.486	ug/L	97
8) Chloroethane	1.548	64	56556	44.047	ug/L	100
9) Trichlorofluoromethane	1.716	101	185507	46.614	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	88380	47.293	ug/L	97
12) 1,1-Dichloroethene	2.069	96	81479	46.592	ug/L	95
13) Acetone	2.108	43	77403	78.285	ug/L	97
14) Carbon disulfide	2.243	76	277852	44.285	ug/L	100
15) Methyl Acetate	2.368	43	72007	43.696	ug/L	99
16) Methylene chloride	2.446	84	105256	45.454	ug/L	97
17) trans-1,2-Dichloroethene	2.693	96	106718	46.478	ug/L	99
18) Methyl tert-butyl Ether	2.700	73	317571	45.529	ug/L	99
19) 1,1-Dichloroethane	3.111	63	173243	45.587	ug/L	99
20) cis-1,2-Dichloroethene	3.812	96	115517	47.415	ug/L	98
22) 2-Butanone	3.860	43	93692	74.462	ug/L	100
23) Bromochloromethane	4.143	128	63694	45.531	ug/L	97
25) Chloroform	4.275	83	205565	47.034	ug/L	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	163427	47.319	ug/L	98
29) Cyclohexane	4.584	56	145931	45.666	ug/L	99
30) 1,1,1-Trichloroethane	4.510	97	201745	47.182	ug/L	99
31) Carbon tetrachloride	4.735	117	187582	47.181	ug/L	99
33) Benzene	5.008	78	415184	47.355	ug/L	100
34) Trichloroethene	5.831	95	118688	45.313	ug/L	97
35) Methylcyclohexane	6.050	83	180854	47.574	ug/L	99
37) 1,2-Dichloropropane	6.092	63	95895	47.260	ug/L	100
38) Bromodichloromethane	6.429	83	155283	47.470	ug/L	98
39) cis-1,3-Dichloropropene	6.953	75	177325	48.161	ug/L	99
40) 4-Methyl-2-pentanone	7.153	43	190739	88.535	ug/L	99
42) Toluene	7.313	91	477429	48.324	ug/L	100
44) trans-1,3-Dichloropropene	7.580	75	177466	47.667	ug/L	100
45) 1,1,2-Trichloroethane	7.767	97	109442	46.518	ug/L	99
46) Tetrachloroethene	7.905	164	107799	47.875	ug/L	97
48) 2-Hexanone	8.072	43	153377	85.867	ug/L	99
49) Dibromochloromethane	8.175	129	131888	46.960	ug/L	100
50) 1,2-Dibromoethane	8.281	107	117234	46.739	ug/L	98
51) Chlorobenzene	8.812	112	323449	46.555	ug/L	98
52) Ethylbenzene	8.944	91	541523	47.619	ug/L	98
53) m,p-Xylene	9.072	106	215063	47.755	ug/L	96
54) o-Xylene	9.477	106	208686	46.960	ug/L	99
55) Styrene	9.493	104	379906	49.418	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.178	83	154266	47.993	ug/L	99
59) Bromoform	9.664	173	108930	47.332	ug/L	99
60) Isopropylbenzene	9.866	105	578889	47.347	ug/L	100
61) 1,2,3-Trichloropropane	10.207	75	117253	44.346	ug/L	98
62) 1,3,5-Trimethylbenzene	10.477	105	466935	47.401	ug/L	99
63) 1,2,4-Trimethylbenzene	10.850	105	494664	48.218	ug/L	100
64) 1,3-Dichlorobenzene	11.117	146	307404	47.062	ug/L	99
65) 1,4-Dichlorobenzene	11.210	146	313499	46.204	ug/L	99
67) 1,2-Dichlorobenzene	11.580	146	296990	46.379	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.365	75	33527	41.325	ug/L	95
69) 1,3,5-Trichlorobenzene	12.583	180	237753	45.441	ug/L	99
70) 1,2,4-trichlorobenzene	13.198	180	220055	45.524	ug/L	99
71) Naphthalene	13.439	128	503859	42.742	ug/L	99
72) 1,2,3-Trichlorobenzene	13.680	180	216604	46.439	ug/L	99

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

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