

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW050721\
 Data File : VW021320.D
 Acq On : 07 May 2021 12:33
 Operator : SY/MD
 Sample : M2250-02
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-QT3-2021-06

Manual Integrations
 APPROVED

MMDadoda
 5/11/2021 1:52:42 PM

Quant Time: May 08 00:48:12 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM050321WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat May 08 00:36:06 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.622	114	681751	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.857	117	654531	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.255	152	346436	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	150854	49.88	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	99.76%		
7) Chloroethane-d5	1.568	69	135614	50.18	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	100.36%		
11) 1,1-Dichloroethene-d2	2.108	63	296541	35.15	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	70.30%		
21) 2-Butanone-d5	3.908	46	210252	86.64	ug/L	0.01
Spiked Amount 100.000	Range 40 - 130		Recovery =	86.64%		
24) Chloroform-d	4.352	84	432843	44.97	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	89.94%		
26) 1,2-Dichloroethane-d4	5.037	65	333541	46.29	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	92.58%		
32) Benzene-d6	5.053	84	733243	48.64	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	97.28%		
36) 1,2-Dichloropropane-d6	6.072	67	187161	48.34	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	96.68%		
41) Toluene-d8	7.320	98	724650	46.39	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	92.78%		
43) trans-1,3-Dichloroprop...	7.625	79	124578	43.26	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	86.52%		
47) 2-Hexanone-d5	8.095	63	144435	80.77	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	80.77%		
56) 1,1,2,2-Tetrachloroeth...	10.220	84	263333	42.50	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	85.00%		
66) 1,2-Dichlorobenzene-d4	11.632	152	317090	46.45	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	92.90%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.130	85	13102	2.38	ug/L	98
3) Chloromethane	1.243	50	8859	2.68	ug/L	98
5) Vinyl chloride	1.311	62	10591	2.57	ug/L #	69
6) Bromomethane	1.523	94	8858	2.73	ug/L	84
8) Chloroethane	1.587	64	6507	2.44	ug/L	98
9) Trichlorofluoromethane	1.754	101	25755	2.38	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.111	101	14319	3.00	ug/L	90
12) 1,1-Dichloroethene	2.118	96	13194	3.09	ug/L #	1
13) Acetone	2.214	43	16409m	5.72	ug/L	
14) Carbon disulfide	2.294	76	25078	2.34	ug/L	99
15) Methyl Acetate	2.449	43	7548	2.18	ug/L	100
16) Methylene chloride	2.510	84	12193	2.79	ug/L	88
17) trans-1,2-Dichloroethene	2.764	96	10217	2.39	ug/L	82
18) Methyl tert-butyl Ether	2.777	73	39773	2.60	ug/L #	93
19) 1,1-Dichloroethane	3.195	63	18699	2.53	ug/L	97
20) cis-1,2-Dichloroethene	3.918	96	12011m	2.56	ug/L	
22) 2-Butanone	4.002	43	14513m	5.30	ug/L	
23) Bromochloromethane	4.259	128	5631	2.09	ug/L #	70
25) Chloroform	4.378	83	30597m	3.14	ug/L	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.140	62	20174	2.27	ug/L #	95
29) Cyclohexane	4.680	56	13745	2.50	ug/L	86
30) 1,1,1-Trichloroethane	4.616	97	26922	2.63	ug/L #	55
31) Carbon tetrachloride	4.831	117	26018	2.74	ug/L	93
33) Benzene	5.108	78	41852	2.50	ug/L	100
34) Trichloroethene	5.921	95	13338	2.48	ug/L	88
35) Methylcyclohexane	6.137	83	16356	2.32	ug/L #	69
37) 1,2-Dichloropropane	6.185	63	8367	2.37	ug/L	99
38) Bromodichloromethane	6.519	83	17795	2.37	ug/L	90
39) cis-1,3-Dichloropropene	7.037	75	12847	1.86	ug/L	94
40) 4-Methyl-2-pentanone	7.236	43	23820	4.76	ug/L #	87
42) Toluene	7.394	91	54207	2.78	ug/L	99
44) trans-1,3-Dichloropropene	7.661	75	19069	2.53	ug/L	97
45) 1,1,2-Trichloroethane	7.844	97	10662	2.35	ug/L	88
46) Tetrachloroethene	7.982	164	11784	2.54	ug/L	96
48) 2-Hexanone	8.149	43	36347	9.03	ug/L #	61
49) Dibromochloromethane	8.252	129	16030	2.49	ug/L	97
50) 1,2-Dibromoethane	8.355	107	12323	2.41	ug/L #	98
51) Chlorobenzene	8.889	112	34069	2.53	ug/L	91
52) Ethylbenzene	9.021	91	52510	2.33	ug/L	95
53) m,p-Xylene	9.146	106	21424	2.42	ug/L	95
54) o-Xylene	9.551	106	21498	2.52	ug/L	86
55) Styrene	9.571	104	31043	2.14	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.246	83	15690	2.56	ug/L #	74
59) Bromoform	9.741	173	10751	2.32	ug/L #	90
60) Isopropylbenzene	9.937	105	51957	2.35	ug/L	98
61) 1,2,3-Trichloropropane	10.278	75	16404	2.90	ug/L	92
62) 1,3,5-Trimethylbenzene	10.545	105	47286	2.44	ug/L	94
63) 1,2,4-Trimethylbenzene	10.921	105	44064	2.26	ug/L	94
64) 1,3-Dichlorobenzene	11.194	146	29139	2.71	ug/L	95
65) 1,4-Dichlorobenzene	11.278	146	25709	2.34	ug/L	92
67) 1,2-Dichlorobenzene	11.651	146	32105	2.96	ug/L	94
68) 1,2-Dibromo-3-chloropr...	12.435	75	4245	2.15	ug/L	90
69) 1,3,5-Trichlorobenzene	12.654	180	19677m	2.36	ug/L	
70) 1,2,4-trichlorobenzene	13.275	180	13911	2.05	ug/L	92
71) Naphthalene	13.516	128	27921	1.50	ug/L	99
72) 1,2,3-Trichlorobenzene	13.754	180	13207	1.93	ug/L #	92

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

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