

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW022621\
 Data File : VW020403.D
 Acq On : 24 Feb 2021 19:28
 Operator : SY/MD
 Sample : M1344-01
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-QT2-2021-03

Manual Integrations
 APPROVED

MMDadoda
 3/1/2021 9:59:54 AM

Quant Time: Feb 25 00:38:29 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM022621WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Feb 24 17:44:20 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.622	114	574087	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.857	117	552983	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.255	152	282592	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	136719	48.13	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	96.26%		
7) Chloroethane-d5	1.571	69	128227	50.51	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	101.02%		
11) 1,1-Dichloroethene-d2	2.111	63	209159	35.68	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	71.36%		
21) 2-Butanone-d5	3.892	46	225485	105.43	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	105.43%		
24) Chloroform-d	4.352	84	314739	48.46	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	96.92%		
26) 1,2-Dichloroethane-d4	5.037	65	212381	51.75	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	103.50%		
32) Benzene-d6	5.053	84	628088	52.14	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	104.28%		
36) 1,2-Dichloropropane-d6	6.072	67	199240	52.83	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	105.66%		
41) Toluene-d8	7.320	98	578768	50.39	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	100.78%		
43) trans-1,3-Dichloroprop...	7.625	79	89876	49.41	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	98.82%		
47) 2-Hexanone-d5	8.092	63	147277	98.52	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	98.52%		
56) 1,1,2,2-Tetrachloroeth...	10.223	84	262575	49.10	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	98.20%		
66) 1,2-Dichlorobenzene-d4	11.632	152	264338	53.54	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	107.08%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.130	85	7970	1.70	ug/L	99
3) Chloromethane	1.243	50	7766	1.93	ug/L	98
5) Vinyl chloride	1.314	62	8272	1.90	ug/L #	76
6) Bromomethane	1.523	94	5742	2.01	ug/L	90
8) Chloroethane	1.587	64	5134	1.93	ug/L	99
9) Trichlorofluoromethane	1.754	101	11246	1.73	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.121	101	7987	2.24	ug/L #	78
12) 1,1-Dichloroethene	2.121	96	7387	2.22	ug/L #	1
13) Acetone	2.182	43	6105	3.88	ug/L	67
14) Carbon disulfide	2.298	76	15899	1.83	ug/L	97
15) Methyl Acetate	2.442	43	6048	1.84	ug/L #	89
16) Methylene chloride	2.510	84	8369	2.21	ug/L	99
17) trans-1,2-Dichloroethene	2.767	96	6298	1.81	ug/L	90
18) Methyl tert-butyl Ether	2.770	73	18225	1.74	ug/L	98
19) 1,1-Dichloroethane	3.195	63	11281	1.78	ug/L	95
20) cis-1,2-Dichloroethene	3.918	96	6821	1.77	ug/L	93
22) 2-Butanone	4.002	43	8665m	3.88	ug/L	
23) Bromochloromethane	4.259	128	3617m	1.74	ug/L	
25) Chloroform	4.381	83	21592	3.11	ug/L	93

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.143	62	9254	1.80	ug/L	95
29) Cyclohexane	4.680	56	8339	1.70	ug/L #	70
30) 1,1,1-Trichloroethane	4.619	97	9811m	1.69	ug/L	
31) Carbon tetrachloride	4.831	117	8748	1.73	ug/L	97
33) Benzene	5.105	78	24952	1.80	ug/L	100
34) Trichloroethene	5.924	95	8471	2.10	ug/L	98
35) Methylcyclohexane	6.137	83	8459	1.56	ug/L	95
37) 1,2-Dichloropropane	6.185	63	5889	1.67	ug/L	97
38) Bromodichloromethane	6.519	83	8216	1.70	ug/L	99
39) cis-1,3-Dichloropropene	7.037	75	8795	1.64	ug/L #	83
40) 4-Methyl-2-pentanone	7.236	43	14269	3.27	ug/L	96
42) Toluene	7.397	91	26581	1.75	ug/L	96
44) trans-1,3-Dichloropropene	7.664	75	9325	1.78	ug/L	93
45) 1,1,2-Trichloroethane	7.847	97	6319	1.71	ug/L	90
46) Tetrachloroethene	7.982	164	5734	1.77	ug/L	91
48) 2-Hexanone	8.149	43	24656	7.30	ug/L #	95
49) Dibromochloromethane	8.252	129	6579	1.64	ug/L	98
50) 1,2-Dibromoethane	8.365	107	7129	1.81	ug/L	85
51) Chlorobenzene	8.889	112	19459	1.84	ug/L	94
52) Ethylbenzene	9.021	91	27074	1.61	ug/L	99
53) m,p-Xylene	9.146	106	10531	1.64	ug/L	96
54) o-Xylene	9.551	106	10101	1.60	ug/L	94
55) Styrene	9.571	104	15064	1.39	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.246	83	10165	1.86	ug/L #	96
59) Bromoform	9.738	173	4082	1.54	ug/L #	98
60) Isopropylbenzene	9.937	105	24842	1.60	ug/L	98
61) 1,2,3-Trichloropropane	10.281	75	8751	1.97	ug/L	98
62) 1,3,5-Trimethylbenzene	10.548	105	18987	1.50	ug/L	99
63) 1,2,4-Trimethylbenzene	10.921	105	18919	1.45	ug/L	100
64) 1,3-Dichlorobenzene	11.191	146	14588	1.79	ug/L	94
65) 1,4-Dichlorobenzene	11.281	146	16026	1.89	ug/L	99
67) 1,2-Dichlorobenzene	11.651	146	15959	1.96	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.439	75	1527	1.48	ug/L #	85
69) 1,3,5-Trichlorobenzene	12.654	180	11558	1.82	ug/L	98
70) 1,2,4-trichlorobenzene	13.271	180	8738	1.58	ug/L	99
71) Naphthalene	13.516	128	19054	1.25	ug/L	98
72) 1,2,3-Trichlorobenzene	13.754	180	8859	1.60	ug/L	99

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

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