

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW030121\
 Data File : VW020424.D
 Acq On : 01 Mar 2021 13:33
 Operator : SY/MD
 Sample : M1344-02
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-QT2-2021-04

Manual Integrations
 APPROVED

MMDadoda
 3/2/2021 3:27:45 PM

Quant Time: Mar 02 00:16:34 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM022621WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Mar 02 00:15:30 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.622	114	546737	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.857	117	537644	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.255	152	275454	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	126244	46.66	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	93.32%		
7) Chloroethane-d5	1.568	69	119462	49.41	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	98.82%		
11) 1,1-Dichloroethene-d2	2.108	63	200516	35.92	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	71.84%		
21) 2-Butanone-d5	3.886	46	216716	106.40	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	106.40%		
24) Chloroform-d	4.352	84	303155	49.01	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	98.02%		
26) 1,2-Dichloroethane-d4	5.034	65	202722	51.87	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	103.74%		
32) Benzene-d6	5.053	84	611039	52.17	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	104.34%		
36) 1,2-Dichloropropane-d6	6.072	67	193641	52.81	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	105.62%		
41) Toluene-d8	7.320	98	568337	50.90	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	101.80%		
43) trans-1,3-Dichloroprop...	7.625	79	87256	49.33	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	98.66%		
47) 2-Hexanone-d5	8.091	63	142001	97.70	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	97.70%		
56) 1,1,2,2-Tetrachloroeth...	10.223	84	254553	48.96	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	97.92%		
66) 1,2-Dichlorobenzene-d4	11.631	152	262928	54.63	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	109.26%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.130	85	9341	2.10	ug/L	99
3) Chloromethane	1.243	50	8785	2.29	ug/L	97
5) Vinyl chloride	1.310	62	9480	2.28	ug/L #	78
6) Bromomethane	1.526	94	6546	2.40	ug/L	95
8) Chloroethane	1.587	64	5661	2.23	ug/L	97
9) Trichlorofluoromethane	1.754	101	13463	2.17	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.114	101	9293	2.73	ug/L #	81
12) 1,1-Dichloroethene	2.121	96	8601	2.71	ug/L #	1
13) Acetone	2.178	43	7842	5.23	ug/L	100
14) Carbon disulfide	2.297	76	17371	2.09	ug/L	99
15) Methyl Acetate	2.442	43	6441	2.06	ug/L	97
16) Methylene chloride	2.510	84	8808	2.44	ug/L	94
17) trans-1,2-Dichloroethene	2.764	96	7460	2.25	ug/L	88
18) Methyl tert-butyl Ether	2.773	73	20000	2.00	ug/L	99
19) 1,1-Dichloroethane	3.194	63	12899	2.14	ug/L	99
20) cis-1,2-Dichloroethene	3.921	96	7773	2.12	ug/L	87
22) 2-Butanone	3.995	43	8434m	3.96	ug/L	
23) Bromochloromethane	4.262	128	4331	2.19	ug/L #	85
25) Chloroform	4.381	83	25204	3.82	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.149	62	10468	2.14	ug/L	99
29) Cyclohexane	4.683	56	8821	1.85	ug/L	86
30) 1,1,1-Trichloroethane	4.612	97	12305	2.18	ug/L #	71
31) Carbon tetrachloride	4.834	117	9978	2.03	ug/L	95
33) Benzene	5.104	78	27821	2.06	ug/L	100
34) Trichloroethene	5.921	95	9292	2.37	ug/L	97
35) Methylcyclohexane	6.136	83	11157	2.12	ug/L	94
37) 1,2-Dichloropropane	6.188	63	7858	2.29	ug/L #	97
38) Bromodichloromethane	6.519	83	9697	2.06	ug/L #	93
39) cis-1,3-Dichloropropene	7.040	75	10850	2.08	ug/L	93
40) 4-Methyl-2-pentanone	7.236	43	16188	3.81	ug/L	96
42) Toluene	7.397	91	31881	2.16	ug/L	97
44) trans-1,3-Dichloropropene	7.661	75	10334	2.03	ug/L	98
45) 1,1,2-Trichloroethane	7.847	97	7603	2.11	ug/L	98
46) Tetrachloroethene	7.985	164	7037	2.23	ug/L	97
48) 2-Hexanone	8.146	43	28122	8.57	ug/L	92
49) Dibromochloromethane	8.252	129	8037	2.07	ug/L	93
50) 1,2-Dibromoethane	8.361	107	8185	2.14	ug/L	97
51) Chlorobenzene	8.889	112	21645	2.10	ug/L	97
52) Ethylbenzene	9.021	91	32441	1.98	ug/L	97
53) m,p-Xylene	9.149	106	12237	1.96	ug/L	92
54) o-Xylene	9.551	106	10832	1.76	ug/L	99
55) Styrene	9.570	104	18180	1.72	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.246	83	12072	2.28	ug/L #	95
59) Bromoform	9.741	173	5079	1.97	ug/L	99
60) Isopropylbenzene	9.937	105	29278	1.94	ug/L	99
61) 1,2,3-Trichloropropane	10.281	75	10217	2.36	ug/L	99
62) 1,3,5-Trimethylbenzene	10.548	105	22557	1.82	ug/L	99
63) 1,2,4-Trimethylbenzene	10.921	105	22592	1.78	ug/L	100
64) 1,3-Dichlorobenzene	11.191	146	16637	2.09	ug/L	97
65) 1,4-Dichlorobenzene	11.278	146	18231	2.21	ug/L	97
67) 1,2-Dichlorobenzene	11.651	146	18856	2.38	ug/L	94
68) 1,2-Dibromo-3-chloropr...	12.435	75	1812	1.80	ug/L	96
69) 1,3,5-Trichlorobenzene	12.654	180	13274	2.14	ug/L	98
70) 1,2,4-trichlorobenzene	13.271	180	9995	1.86	ug/L	96
71) Naphthalene	13.516	128	21888	1.47	ug/L	99
72) 1,2,3-Trichlorobenzene	13.757	180	10164	1.88	ug/L	99

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

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