

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030121\
 Data File : VX020934.D
 Acq On : 01 Mar 2021 11:48
 Operator : JC/MD
 Sample : M1344-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 3/2/2021 3:31:37 PM

Quant Time: Mar 01 15:59:56 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML022621WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Feb 26 12:33:14 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.829	114	289785	50.00	ug/L	0.00
28) Chlorobenzene-d5	10.094	117	253349	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.059	152	107863	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.393	65	84097	43.19	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	86.38%		
7) Chloroethane-d5	1.693	69	76981	47.58	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	95.16%		
11) 1,1-Dichloroethene-d2	2.346	63	127878	34.76	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	69.52%		
21) 2-Butanone-d5	4.523	46	122315	102.94	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	102.94%		
24) Chloroform-d	5.135	84	181637	49.81	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	99.62%		
26) 1,2-Dichloroethane-d4	6.029	65	116018	49.30	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	98.60%		
32) Benzene-d6	6.047	84	372528	49.70	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	99.40%		
36) 1,2-Dichloropropane-d6	7.365	67	116038	50.21	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	100.42%		
41) Toluene-d8	8.694	98	325981	48.45	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	96.90%		
43) trans-1,3-Dichloroprop...	8.994	79	58573	48.65	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	97.30%		
47) 2-Hexanone-d5	9.424	63	93950	100.20	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	100.20%		
56) 1,1,2,2-Tetrachloroeth...	11.230	84	140918	49.12	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	98.24%		
66) 1,2-Dichlorobenzene-d4	12.359	152	108948	52.77	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	105.54%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.187	85	5277	2.42	ug/L	99
3) Chloromethane	1.311	50	4913	2.51	ug/L	94
5) Vinyl chloride	1.393	62	5718	2.48	ug/L #	65
6) Bromomethane	1.634	94	3165	2.90	ug/L	95
8) Chloroethane	1.717	64	3465	2.40	ug/L	93
9) Trichlorofluoromethane	1.917	101	7336	2.44	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.364	101	5847	2.93	ug/L #	84
12) 1,1-Dichloroethene	2.358	96	5487	2.83	ug/L #	1
13) Acetone	2.423	43	5230	5.18	ug/L	97
14) Carbon disulfide	2.552	76	13095	2.33	ug/L	98
15) Methyl Acetate	2.752	43	4253	2.23	ug/L	96
16) Methylene chloride	2.835	84	5805	2.68	ug/L	90
17) trans-1,2-Dichloroethene	3.140	96	5127	2.46	ug/L	92
18) Methyl tert-butyl Ether	3.164	73	15632	2.29	ug/L	99
19) 1,1-Dichloroethane	3.670	63	8474	2.33	ug/L	99
20) cis-1,2-Dichloroethene	4.558	96	5582	2.40	ug/L	93
22) 2-Butanone	4.635	43	7379	5.15	ug/L	95
23) Bromochloromethane	4.982	128	2781m	2.42	ug/L	
25) Chloroform	5.170	83	10495	2.70	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	6.159	62	7007	2.45	ug/L	100
29) Cyclohexane	5.547	56	7519	2.34	ug/L	97
30) 1,1,1-Trichloroethane	5.464	97	7889	2.43	ug/L #	85
31) Carbon tetrachloride	5.753	117	6290	2.33	ug/L	99
33) Benzene	6.106	78	19758	2.38	ug/L	100
34) Trichloroethene	7.188	95	5499	2.50	ug/L	92
35) Methylcyclohexane	7.435	83	7954	2.36	ug/L	97
37) 1,2-Dichloropropane	7.488	63	5083	2.45	ug/L #	94
38) Bromodichloromethane	7.870	83	6682	2.32	ug/L	96
39) cis-1,3-Dichloropropene	8.412	75	8123	2.39	ug/L	100
40) 4-Methyl-2-pentanone	8.618	43	11243	4.43	ug/L	98
42) Toluene	8.765	91	20587	2.39	ug/L	100
44) trans-1,3-Dichloropropene	9.018	75	7176	2.21	ug/L	95
45) 1,1,2-Trichloroethane	9.194	97	4807	2.33	ug/L	96
46) Tetrachloroethene	9.318	164	3790	2.41	ug/L	92
48) 2-Hexanone	9.471	43	10074	5.20	ug/L	95
49) Dibromochloromethane	9.565	129	5050	2.32	ug/L	100
50) 1,2-Dibromoethane	9.653	107	4846	2.26	ug/L #	91
51) Chlorobenzene	10.118	112	12695	2.33	ug/L	96
52) Ethylbenzene	10.236	91	21335	2.25	ug/L	97
53) m,p-Xylene	10.341	106	7698	2.15	ug/L	92
54) o-Xylene	10.683	106	7921	2.27	ug/L	88
55) Styrene	10.694	104	12927	2.13	ug/L	94
57) 1,1,2,2-Tetrachloroethane	11.247	83	7036	2.38	ug/L #	91
59) Bromoform	10.836	173	3155	2.32	ug/L	95
60) Isopropylbenzene	11.000	105	19840	2.40	ug/L	99
61) 1,2,3-Trichloropropane	11.277	75	5328	2.46	ug/L	97
62) 1,3,5-Trimethylbenzene	11.489	105	16008	2.36	ug/L	99
63) 1,2,4-Trimethylbenzene	11.789	105	15800	2.32	ug/L	100
64) 1,3-Dichlorobenzene	12.006	146	8862	2.50	ug/L	92
65) 1,4-Dichlorobenzene	12.083	146	8896	2.51	ug/L	94
67) 1,2-Dichlorobenzene	12.377	146	8914	2.55	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.983	75	1474	2.47	ug/L	90
69) 1,3,5-Trichlorobenzene	13.154	180	5672	2.36	ug/L	97
70) 1,2,4-trichlorobenzene	13.630	180	5078	2.38	ug/L	99
71) Naphthalene	13.818	128	15646	2.03	ug/L	98
72) 1,2,3-Trichlorobenzene	14.001	180	5056	2.34	ug/L	97

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

