

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022223\
 Data File : VN076774.D
 Acq On : 22 Feb 2023 16:29
 Operator : JC\MD
 Sample : 01627-09
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT1-2023

Quant Time: Feb 23 00:45:51 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021323W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 14 01:44:47 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 02/23/2023
 Supervised By : Mahesh Dadoda 02/23/2023

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	233044	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	435493	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	382567	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	142151	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	189938	59.024	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 118.040%			
35) Dibromofluoromethane	8.172	113	146034	51.205	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.400%			
50) Toluene-d8	10.571	98	528208	49.593	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.180%			
62) 4-Bromofluorobenzene	12.848	95	152946	43.357	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 86.720%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.137	85	1073	0.434	ug/l	95
3) Chloromethane	2.378	50	1750	0.542	ug/l #	87
4) Vinyl Chloride	2.531	62	2008	0.632	ug/l	95
5) Bromomethane	2.966	94	2413	1.253	ug/l #	68
6) Chloroethane	3.131	64	2171	1.081	ug/l #	65
7) Trichlorofluoromethane	3.513	101	2409	0.557	ug/l #	46
8) Diethyl Ether	3.978	74	747	0.448	ug/l	75
9) 1,1,2-Trichlorotrifluo...	4.390	101	1138m	0.448	ug/l	
10) Methyl Iodide	4.613	142	817m	0.260	ug/l	
11) Tert butyl alcohol	5.525	59	1175	2.766	ug/l #	71
12) 1,1-Dichloroethene	4.378	96	1278	0.531	ug/l #	1
13) Acrolein	4.195	56	1749	2.743	ug/l	88
14) Allyl chloride	5.042	41	2405	0.577	ug/l #	80
15) Acrylonitrile	5.731	53	3986	2.644	ug/l #	67
16) Acetone	4.448	43	4370	3.040	ug/l #	65
17) Carbon Disulfide	4.731	76	2907	0.458	ug/l #	73
18) Methyl Acetate	5.066	43	2480m	0.529	ug/l	
19) Methyl tert-butyl Ether	5.819	73	3432m	0.423	ug/l	
20) Methylene Chloride	5.289	84	3504m	1.163	ug/l	
21) trans-1,2-Dichloroethene	5.813	96	1478	0.546	ug/l #	41
22) Diisopropyl ether	6.683	45	4571m	0.468	ug/l	
23) Vinyl Acetate	6.601	43	11896	2.057	ug/l	100
24) 1,1-Dichloroethane	6.583	63	2736	0.511	ug/l #	81
25) 2-Butanone	7.489	43	5463	2.576	ug/l	99
26) 2,2-Dichloropropane	7.501	77	2331	0.603	ug/l	77
27) cis-1,2-Dichloroethene	7.507	96	1200	0.374	ug/l	73
28) Bromochloromethane	7.825	49	1697	0.666	ug/l #	68
29) Tetrahydrofuran	7.848	42	2780	2.007	ug/l #	85
30) Chloroform	7.978	83	2868	0.536	ug/l	98
31) Cyclohexane	8.230	56	9167	1.816	ug/l #	37
32) 1,1,1-Trichloroethane	8.178	97	2159	0.480	ug/l #	43
36) 1,1-Dichloropropene	8.372	75	1819	0.441	ug/l	85
37) Ethyl Acetate	7.578	43	2326m	0.537	ug/l	
38) Carbon Tetrachloride	8.366	117	2076	0.499	ug/l #	60
39) Methylcyclohexane	9.601	83	2381	0.508	ug/l #	75
40) Benzene	8.619	78	5519	0.436	ug/l	92

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41) Methacrylonitrile	7.783	41	1471m	0.586	ug/l	
42) 1,2-Dichloroethane	8.672	62	2523	0.572	ug/l	82
43) Isopropyl Acetate	8.695	43	2930	0.415	ug/l #	64
44) Trichloroethene	9.354	130	1576	0.527	ug/l	55
45) 1,2-Dichloropropane	9.619	63	1269	0.379	ug/l #	81
46) Dibromomethane	9.713	93	825	0.385	ug/l #	73
47) Bromodichloromethane	9.883	83	1842	0.429	ug/l #	69
48) Methyl methacrylate	9.689	41	1574	0.470	ug/l #	74
49) 1,4-Dioxane	9.689	88	442	7.633	ug/l #	50
51) 4-Methyl-2-Pentanone	10.442	43	9744	2.171	ug/l	88
52) Toluene	10.636	92	3640	0.476	ug/l	99
53) t-1,3-Dichloropropene	10.836	75	1490	0.360	ug/l #	81
54) cis-1,3-Dichloropropene	10.319	75	1717	0.359	ug/l #	64
55) 1,1,2-Trichloroethane	11.024	97	1964	0.632	ug/l #	62
56) Ethyl methacrylate	10.883	69	1900	0.435	ug/l #	75
57) 1,3-Dichloropropane	11.160	76	2701	0.506	ug/l	91
58) 2-Chloroethyl Vinyl ether	10.154	63	4007	2.001	ug/l	96
59) 2-Hexanone	11.195	43	7268	2.246	ug/l	87
60) Dibromochloromethane	11.366	129	1294m	0.395	ug/l	
61) 1,2-Dibromoethane	11.471	107	1425	0.458	ug/l	89
64) Tetrachloroethene	11.101	164	1248	0.518	ug/l	90
65) Chlorobenzene	11.901	112	3731	0.460	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.971	131	1195	0.406	ug/l #	57
67) Ethyl Benzene	11.960	91	5680	0.411	ug/l	90
68) m/p-Xylenes	12.071	106	4214	0.791	ug/l	95
69) o-Xylene	12.401	106	1583	0.305	ug/l	71
70) Styrene	12.418	104	2420	0.288	ug/l #	75
71) Bromoform	12.589	173	1037	0.480	ug/l #	70
73) Isopropylbenzene	12.701	105	4020	0.386	ug/l	97
74) N-amyl acetate	12.495	43	1893	0.403	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	12.936	83	1980	0.525	ug/l #	91
76) 1,2,3-Trichloropropane	12.995	75	2022m	0.704	ug/l	
77) Bromobenzene	12.977	156	1618	0.622	ug/l	91
78) n-propylbenzene	13.036	91	5068	0.414	ug/l	96
79) 2-Chlorotoluene	13.130	91	3785	0.505	ug/l	100
80) 1,3,5-Trimethylbenzene	13.177	105	3330	0.387	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.742	75	420m	0.426	ug/l	
82) 4-Chlorotoluene	13.130	91	3785	0.505	ug/l	100
83) tert-Butylbenzene	13.442	119	3648	0.468	ug/l	87
84) 1,2,4-Trimethylbenzene	13.483	105	3281	0.382	ug/l	90
85) sec-Butylbenzene	13.618	105	3919	0.360	ug/l	92
86) p-Isopropyltoluene	13.730	119	3382	0.389	ug/l	90
87) 1,3-Dichlorobenzene	13.736	146	2197	0.447	ug/l	97
88) 1,4-Dichlorobenzene	13.812	146	2454m	0.501	ug/l	
89) n-Butylbenzene	14.054	91	2968	0.393	ug/l	86
90) Hexachloroethane	14.336	117	765	0.421	ug/l #	43
91) 1,2-Dichlorobenzene	14.101	146	2149	0.427	ug/l	86
92) 1,2-Dibromo-3-Chloropr...	14.706	75	218m	0.298	ug/l	
93) 1,2,4-Trichlorobenzene	15.389	180	1084m	0.431	ug/l	
94) Hexachlorobutadiene	15.512	225	518	0.421	ug/l	89
95) Naphthalene	15.642	128	3229	0.423	ug/l	96
96) 1,2,3-Trichlorobenzene	15.830	180	1025	0.421	ug/l #	63

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

