

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021323\
 Data File : VN076623.D
 Acq On : 13 Feb 2023 11:27
 Operator : JC\MD
 Sample : VSTDICC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC020

Quant Time: Feb 13 12:06:07 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021323W.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 13 11:31:16 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 02/14/2023
 Supervised By : Mahesh Dadoda 02/14/2023

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	336362	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	594818	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	546580	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	260772	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	89964	22.660	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	45.320%#		
35) Dibromofluoromethane	8.166	113	73286	19.820	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	39.640%#		
50) Toluene-d8	10.571	98	286153	20.571	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	41.140%#		
62) 4-Bromofluorobenzene	12.854	95	96962	19.786	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	39.580%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.143	85	78416	22.441	ug/l	97
3) Chloromethane	2.378	50	94018	29.276	ug/l	89
4) Vinyl Chloride	2.531	62	92337	31.313	ug/l	95
5) Bromomethane	2.966	94	53523	24.465	ug/l	98
6) Chloroethane	3.131	64	62853	35.238	ug/l	91
7) Trichlorofluoromethane	3.513	101	123358	21.224	ug/l	97
8) Diethyl Ether	3.972	74	47146	21.422	ug/l	66
9) 1,1,2-Trichlorotrifluo...	4.390	101	74313	20.639	ug/l	91
10) Methyl Iodide	4.601	142	93512	17.756	ug/l	98
11) Tert butyl alcohol	5.531	59	61754	119.422	ug/l	97
12) 1,1-Dichloroethene	4.354	96	66664	19.818	ug/l	85
13) Acrolein	4.190	56	93047	134.693	ug/l	100
14) Allyl chloride	5.042	41	117123	26.735	ug/l #	89
15) Acrylonitrile	5.731	53	218171	140.596	ug/l	97
16) Acetone	4.442	43	193675	147.969	ug/l	94
17) Carbon Disulfide	4.725	76	185212	21.255	ug/l	98
18) Methyl Acetate	5.042	43	132593	32.017	ug/l #	86
19) Methyl tert-butyl Ether	5.807	73	237938	21.270	ug/l	93
20) Methylene Chloride	5.295	84	83767	20.760	ug/l #	85
21) trans-1,2-Dichloroethene	5.795	96	75127	20.549	ug/l	88
22) Diisopropyl ether	6.683	45	285281	28.733	ug/l #	91
23) Vinyl Acetate	6.613	43	847699m	136.451	ug/l	
24) 1,1-Dichloroethane	6.572	63	150541	23.612	ug/l	95
25) 2-Butanone	7.489	43	311025	165.314	ug/l #	86
26) 2,2-Dichloropropane	7.501	77	110439	20.751	ug/l	100
27) cis-1,2-Dichloroethene	7.495	96	88834	20.778	ug/l	91
28) Bromochloromethane	7.819	49	72095	28.222	ug/l #	75
29) Tetrahydrofuran	7.842	42	205064	169.590	ug/l #	81
30) Chloroform	7.972	83	151337	21.881	ug/l	95
31) Cyclohexane	8.260	56	142497	22.709	ug/l #	78
32) 1,1,1-Trichloroethane	8.172	97	129111	20.833	ug/l	89
36) 1,1-Dichloropropene	8.377	75	111340	21.090	ug/l	96
37) Ethyl Acetate	7.572	43	120829	30.549	ug/l #	93
38) Carbon Tetrachloride	8.366	117	112871	19.885	ug/l	95
39) Methylcyclohexane	9.607	83	132939	20.276	ug/l	97
40) Benzene	8.613	78	342738	21.417	ug/l	95

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41) Methacrylonitrile	7.783	41	66719	29.792	ug/l #	87
42) 1,2-Dichloroethane	8.677	62	116821	22.421	ug/l	96
43) Isopropyl Acetate	8.695	43	199545	30.319	ug/l #	89
44) Trichloroethene	9.354	130	83270	19.485	ug/l	100
45) 1,2-Dichloropropane	9.624	63	89366	23.250	ug/l	93
46) Dibromomethane	9.713	93	57289	20.662	ug/l	96
47) Bromodichloromethane	9.889	83	119124	21.365	ug/l	98
48) Methyl methacrylate	9.689	41	91158	28.163	ug/l #	82
49) 1,4-Dioxane	9.695	88	32066	463.110	ug/l #	89
51) 4-Methyl-2-Pentanone	10.448	43	640687	161.972	ug/l #	85
52) Toluene	10.636	92	218443	21.151	ug/l	98
53) t-1,3-Dichloropropene	10.836	75	113956	21.153	ug/l	98
54) cis-1,3-Dichloropropene	10.313	75	130560	21.252	ug/l #	87
55) 1,1,2-Trichloroethane	11.019	97	85147	21.050	ug/l	97
56) Ethyl methacrylate	10.877	69	125335	23.151	ug/l #	76
57) 1,3-Dichloropropane	11.166	76	148030	22.608	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.166	63	288082	186.209	ug/l	93
59) 2-Hexanone	11.195	43	465496	165.071	ug/l	84
60) Dibromochloromethane	11.360	129	88166	20.682	ug/l	100
61) 1,2-Dibromoethane	11.471	107	82456	20.593	ug/l	98
64) Tetrachloroethene	11.101	164	65993	14.500	ug/l	97
65) Chlorobenzene	11.895	112	230452	20.388	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.965	131	84016	20.072	ug/l	99
67) Ethyl Benzene	11.965	91	405225	20.173	ug/l	100
68) m/p-Xylenes	12.071	106	321849	41.123	ug/l	96
69) o-Xylene	12.401	106	157423	20.540	ug/l	97
70) Styrene	12.413	104	251986	20.673	ug/l	98
71) Bromoform	12.583	173	60247	20.620	ug/l #	99
73) Isopropylbenzene	12.701	105	395845	18.535	ug/l	96
74) N-amyl acetate	12.495	43	171160	28.739	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	12.942	83	133079	22.734	ug/l	99
76) 1,2,3-Trichloropropane	12.995	75	107926m	22.182	ug/l	
77) Bromobenzene	12.983	156	94736	19.071	ug/l	97
78) n-propylbenzene	13.036	91	467572	19.883	ug/l	99
79) 2-Chlorotoluene	13.130	91	273414	18.252	ug/l	97
80) 1,3,5-Trimethylbenzene	13.177	105	337208	19.025	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.736	75	34354	21.682	ug/l #	77
82) 4-Chlorotoluene	13.130	91	273414	18.252	ug/l	97
83) tert-Butylbenzene	13.442	119	295120	18.589	ug/l	97
84) 1,2,4-Trimethylbenzene	13.483	105	341432	19.356	ug/l	97
85) sec-Butylbenzene	13.618	105	419808	19.609	ug/l	100
86) p-Isopropyltoluene	13.730	119	339965	19.377	ug/l	98
87) 1,3-Dichlorobenzene	13.736	146	179444	19.626	ug/l	97
88) 1,4-Dichlorobenzene	13.818	146	175854	18.935	ug/l	99
89) n-Butylbenzene	14.059	91	284890	20.506	ug/l	97
90) Hexachloroethane	14.336	117	65406	21.403	ug/l	92
91) 1,2-Dichlorobenzene	14.107	146	183401	20.346	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.724	75	24362	24.046	ug/l	94
93) 1,2,4-Trichlorobenzene	15.395	180	91433	22.136	ug/l	98
94) Hexachlorobutadiene	15.506	225	44408	19.120	ug/l	98
95) Naphthalene	15.642	128	295401	24.582	ug/l	99
96) 1,2,3-Trichlorobenzene	15.848	180	93254	23.575	ug/l	96

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

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