

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112023\
 Data File : VN080223.D
 Acq On : 20 Nov 2023 21:20
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Nov 21 01:12:50 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N111623W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 17 01:19:32 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 11/21/2023
 Supervised By : Mahesh Dadoda 11/21/2023

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	189577	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	296759	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	275869	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	142166	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	166826	53.295	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.600%			
35) Dibromofluoromethane	8.171	113	115723	52.849	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.700%			
50) Toluene-d8	10.571	98	411221	52.097	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.200%			
62) 4-Bromofluorobenzene	12.847	95	157426	52.802	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 105.600%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.124	85	138478	49.038	ug/l	98
3) Chloromethane	2.360	50	83666	39.408	ug/l	96
4) Vinyl Chloride	2.512	62	96315	42.868	ug/l	98
5) Bromomethane	2.954	94	63117	41.381	ug/l	98
6) Chloroethane	3.118	64	62544	44.769	ug/l	96
7) Trichlorofluoromethane	3.495	101	238452	50.876	ug/l	99
8) Diethyl Ether	3.959	74	62814	46.083	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.365	101	102119	47.669	ug/l	94
10) Methyl Iodide	4.589	142	117536	50.768	ug/l #	80
11) Tert butyl alcohol	5.512	59	87778	255.001	ug/l	99
12) 1,1-Dichloroethene	4.336	96	93342	46.585	ug/l #	78
13) Acrolein	4.177	56	72055	236.528	ug/l	97
14) Allyl chloride	5.024	41	107339	42.579	ug/l #	84
15) Acrylonitrile	5.712	53	209101	226.278	ug/l	99
16) Acetone	4.424	43	184203	175.204	ug/l	91
17) Carbon Disulfide	4.712	76	247858	41.428	ug/l	99
18) Methyl Acetate	5.018	43	147091	43.543	ug/l	95
19) Methyl tert-butyl Ether	5.789	73	355345	50.218	ug/l	98
20) Methylene Chloride	5.277	84	110167	50.037	ug/l	96
21) trans-1,2-Dichloroethene	5.789	96	102486	46.559	ug/l #	82
22) Diisopropyl ether	6.677	45	262599	47.082	ug/l	96
23) Vinyl Acetate	6.600	43	776704	231.638	ug/l	94
24) 1,1-Dichloroethane	6.565	63	185508	45.666	ug/l	99
25) 2-Butanone	7.483	43	246422	197.273	ug/l	90
26) 2,2-Dichloropropane	7.489	77	192677	47.808	ug/l	97
27) cis-1,2-Dichloroethene	7.489	96	119637	47.938	ug/l	87
28) Bromochloromethane	7.818	49	65841	41.228	ug/l	94
29) Tetrahydrofuran	7.841	42	154734	230.728	ug/l	95
30) Chloroform	7.965	83	230735	50.818	ug/l	95
31) Cyclohexane	8.259	56	143640	42.195	ug/l	94
32) 1,1,1-Trichloroethane	8.171	97	233020	52.625	ug/l	97
36) 1,1-Dichloropropene	8.377	75	156863	49.480	ug/l	95
37) Ethyl Acetate	7.565	43	97048	44.133	ug/l	99
38) Carbon Tetrachloride	8.365	117	219750	54.623	ug/l	97
39) Methylcyclohexane	9.606	83	149259	48.829	ug/l	94
40) Benzene	8.612	78	430873	47.821	ug/l	99

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41) Methacrylonitrile	7.783	41	58179	48.177	ug/l	91
42) 1,2-Dichloroethane	8.671	62	196300	53.252	ug/l	93
43) Isopropyl Acetate	8.688	43	189209	44.216	ug/l	98
44) Trichloroethene	9.353	130	114464	48.430	ug/l	99
45) 1,2-Dichloropropane	9.624	63	98857	47.212	ug/l #	89
46) Dibromomethane	9.712	93	80686	50.905	ug/l	91
47) Bromodichloromethane	9.888	83	184531	52.926	ug/l	94
48) Methyl methacrylate	9.683	41	109843	49.810	ug/l	90
49) 1,4-Dioxane	9.700	88	33981	926.251	ug/l #	87
51) 4-Methyl-2-Pentanone	10.447	43	531108	239.731	ug/l	98
52) Toluene	10.630	92	285574	50.645	ug/l	98
53) t-1,3-Dichloropropene	10.835	75	185879	51.890	ug/l	99
54) cis-1,3-Dichloropropene	10.312	75	184599	50.440	ug/l #	91
55) 1,1,2-Trichloroethane	11.018	97	107339	49.875	ug/l	94
56) Ethyl methacrylate	10.877	69	117681	53.525	ug/l	95
57) 1,3-Dichloropropane	11.165	76	186395	49.605	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.165	63	319571	258.003	ug/l	98
59) 2-Hexanone	11.200	43	389863	218.996	ug/l	96
60) Dibromochloromethane	11.359	129	136756	53.076	ug/l	99
61) 1,2-Dibromoethane	11.471	107	107356	48.896	ug/l	98
64) Tetrachloroethene	11.106	164	99175	47.107	ug/l	98
65) Chlorobenzene	11.894	112	297343	47.567	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.959	131	127849	52.704	ug/l	93
67) Ethyl Benzene	11.965	91	556440	50.025	ug/l	95
68) m/p-Xylenes	12.071	106	411480	101.459	ug/l	86
69) o-Xylene	12.400	106	195907	51.256	ug/l	83
70) Styrene	12.412	104	294546	51.776	ug/l #	90
71) Bromoform	12.582	173	94542	52.555	ug/l #	99
73) Isopropylbenzene	12.694	105	534890	48.418	ug/l	99
74) N-amyl acetate	12.494	43	150418	43.662	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.941	83	139498	42.190	ug/l	98
76) 1,2,3-Trichloropropane	12.994	75	155157m	44.543	ug/l	
77) Bromobenzene	12.982	156	129152	46.370	ug/l	97
78) n-propylbenzene	13.035	91	599914	48.562	ug/l	99
79) 2-Chlorotoluene	13.129	91	386032	48.113	ug/l	96
80) 1,3,5-Trimethylbenzene	13.176	105	475590	49.455	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.741	75	43692	42.378	ug/l #	79
82) 4-Chlorotoluene	13.224	91	386433	47.013	ug/l	96
83) tert-Butylbenzene	13.441	119	378971	49.141	ug/l	91
84) 1,2,4-Trimethylbenzene	13.482	105	470502	49.687	ug/l	96
85) sec-Butylbenzene	13.618	105	481694	49.375	ug/l	98
86) p-Isopropyltoluene	13.729	119	442547	50.781	ug/l	96
87) 1,3-Dichlorobenzene	13.735	146	230134	45.860	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	227422	45.097	ug/l	97
89) n-Butylbenzene	14.059	91	346957	47.566	ug/l	99
90) Hexachloroethane	14.335	117	79192	46.612	ug/l	67
91) 1,2-Dichlorobenzene	14.106	146	221788	46.186	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.723	75	34745	45.241	ug/l	90
93) 1,2,4-Trichlorobenzene	15.394	180	122776	43.960	ug/l	97
94) Hexachlorobutadiene	15.500	225	67678	42.108	ug/l	98
95) Naphthalene	15.641	128	337138	41.627	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	117113	44.737	ug/l	97

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

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