

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050923\
 Data File : VN077646.D
 Acq On : 09 May 2023 20:57
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: May 10 04:52:47 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N050923W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 09 13:52:31 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 05/10/2023
 Supervised By : Mahesh Dadoda 05/10/2023

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

Internal Standards						
1) Pentafluorobenzene	8.231	168	662033	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	1229391	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	1057062	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	464025	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.584	65	413032	49.193	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.380%		
35) Dibromofluoromethane	8.172	113	383340	49.996	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	100.000%		
50) Toluene-d8	10.566	98	1469130	50.609	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	101.220%		
62) 4-Bromofluorobenzene	12.848	95	498736	50.796	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	101.600%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.137	85	333271	45.035	ug/l	99
3) Chloromethane	2.372	50	255999	38.377	ug/l	95
4) Vinyl Chloride	2.519	62	392766	44.491	ug/l	96
5) Bromomethane	2.949	94	308161	43.966	ug/l	97
6) Chloroethane	3.125	64	265437	43.362	ug/l	98
7) Trichlorofluoromethane	3.502	101	525094	37.946	ug/l	97
8) Diethyl Ether	3.972	74	185256	45.537	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.384	101	303218	43.852	ug/l	97
10) Methyl Iodide	4.596	142	459426	45.214	ug/l	98
11) Tert butyl alcohol	5.537	59	197748	200.212	ug/l	98
12) 1,1-Dichloroethene	4.349	96	290313	44.185	ug/l	98
13) Acrolein	4.190	56	203604	212.694	ug/l	96
14) Allyl chloride	5.031	41	268161	41.093	ug/l #	85
15) Acrylonitrile	5.725	53	527499	215.921	ug/l	98
16) Acetone	4.431	43	383398	192.292	ug/l	100
17) Carbon Disulfide	4.725	76	684453	43.320	ug/l #	93
18) Methyl Acetate	5.037	43	330239	41.784	ug/l	95
19) Methyl tert-butyl Ether	5.807	73	932224	43.119	ug/l	92
20) Methylene Chloride	5.278	84	324554	39.280	ug/l	94
21) trans-1,2-Dichloroethene	5.796	96	314093	42.264	ug/l	92
22) Diisopropyl ether	6.684	45	701963	43.575	ug/l	95
23) Vinyl Acetate	6.607	43	1946184	217.989	ug/l	100
24) 1,1-Dichloroethane	6.578	63	529504	43.359	ug/l	99
25) 2-Butanone	7.484	43	610662	209.547	ug/l	100
26) 2,2-Dichloropropane	7.495	77	462715	41.808	ug/l	98
27) cis-1,2-Dichloroethene	7.495	96	401818	44.448	ug/l	94
28) Bromochloromethane	7.819	49	210265	47.187	ug/l	82
29) Tetrahydrofuran	7.842	42	390390	218.081	ug/l	93
30) Chloroform	7.972	83	648017	44.774	ug/l	94
31) Cyclohexane	8.260	56	444708	41.445	ug/l	89
32) 1,1,1-Trichloroethane	8.172	97	621048	46.604	ug/l	97
36) 1,1-Dichloropropene	8.378	75	467144	44.148	ug/l	98
37) Ethyl Acetate	7.560	43	256917	42.463	ug/l	97
38) Carbon Tetrachloride	8.366	117	532130	46.033	ug/l	97
39) Methylcyclohexane	9.607	83	609827	46.427	ug/l	98
40) Benzene	8.613	78	1432417	44.748	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.790	41	128056	38.738	ug/l #	86
42) 1,2-Dichloroethane	8.678	62	479022	44.626	ug/l	98
43) Isopropyl Acetate	8.695	43	506618	47.758	ug/l	96
44) Trichloroethene	9.360	130	376907	44.823	ug/l	97
45) 1,2-Dichloropropane	9.625	63	318062	43.213	ug/l	95
46) Dibromomethane	9.713	93	262682	45.880	ug/l	94
47) Bromodichloromethane	9.889	83	525243	46.969	ug/l	95
48) Methyl methacrylate	9.684	41	213474	42.876	ug/l	92
49) 1,4-Dioxane	9.695	88	131031	884.923	ug/l	96
51) 4-Methyl-2-Pentanone	10.448	43	1311484	210.146	ug/l	96
52) Toluene	10.636	92	981483	46.098	ug/l	99
53) t-1,3-Dichloropropene	10.836	75	529835	48.628	ug/l	98
54) cis-1,3-Dichloropropene	10.313	75	582404	46.983	ug/l	94
55) 1,1,2-Trichloroethane	11.019	97	370918	44.930	ug/l	97
56) Ethyl methacrylate	10.878	69	494568	47.505	ug/l #	87
57) 1,3-Dichloropropane	11.166	76	594681	44.813	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.160	63	1025260	238.857	ug/l	95
59) 2-Hexanone	11.195	43	938436	212.761	ug/l	95
60) Dibromochloromethane	11.360	129	399945	48.802	ug/l	100
61) 1,2-Dibromoethane	11.472	107	389097	47.941	ug/l	97
64) Tetrachloroethene	11.107	164	300030	47.691	ug/l	98
65) Chlorobenzene	11.895	112	1024839	47.167	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.960	131	371699	47.483	ug/l	98
67) Ethyl Benzene	11.966	91	1855925	48.653	ug/l	98
68) m/p-Xylenes	12.072	106	1501523	99.415	ug/l	98
69) o-Xylene	12.401	106	743950	49.142	ug/l	96
70) Styrene	12.413	104	1193779	51.489	ug/l	98
71) Bromoform	12.577	173	246676	51.926	ug/l #	99
73) Isopropylbenzene	12.695	105	1906641	46.060	ug/l	99
74) N-amyl acetate	12.495	43	416243	45.564	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.942	83	489857	43.047	ug/l	98
76) 1,2,3-Trichloropropane	12.995	75	410533m	42.872	ug/l	
77) Bromobenzene	12.983	156	403485	44.012	ug/l	93
78) n-propylbenzene	13.036	91	2137686	48.109	ug/l	99
79) 2-Chlorotoluene	13.130	91	1279150	45.198	ug/l	99
80) 1,3,5-Trimethylbenzene	13.177	105	1598423	50.474	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.736	75	138628	46.096	ug/l	99
82) 4-Chlorotoluene	13.224	91	1245576	46.930	ug/l	99
83) tert-Butylbenzene	13.442	119	1362474	45.785	ug/l	99
84) 1,2,4-Trimethylbenzene	13.483	105	1565934	52.617	ug/l	100
85) sec-Butylbenzene	13.619	105	1957894	48.876	ug/l	100
86) p-Isopropyltoluene	13.730	119	1587480	50.678	ug/l	100
87) 1,3-Dichlorobenzene	13.736	146	755601	47.419	ug/l	99
88) 1,4-Dichlorobenzene	13.813	146	753648	47.577	ug/l	99
89) n-Butylbenzene	14.060	91	1257807	50.671	ug/l	99
90) Hexachloroethane	14.336	117	292458	48.683	ug/l	96
91) 1,2-Dichlorobenzene	14.107	146	728752	46.000	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.724	75	88986	44.187	ug/l	95
93) 1,2,4-Trichlorobenzene	15.395	180	277362	41.810	ug/l	98
94) Hexachlorobutadiene	15.507	225	154894	45.762	ug/l	98
95) Naphthalene	15.642	128	976109	42.470	ug/l	100
96) 1,2,3-Trichlorobenzene	15.842	180	254254	41.212	ug/l	96

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

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