

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062423\
 Data File : VN078395.D
 Acq On : 24 Jun 2023 15:25
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jun 26 01:50:53 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060623W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 07 05:05:00 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :John Carlone 06/26/2023
 Supervised By :Mahesh Dadoda 06/26/2023

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

Internal Standards						
1) Pentafluorobenzene	8.235	168	370810	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	672620	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	589506	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	233703	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	296856	60.043	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 120.080%			
35) Dibromofluoromethane	8.177	113	255879	60.166	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 120.340%			
50) Toluene-d8	10.571	98	935799	57.077	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 114.160%#			
62) 4-Bromofluorobenzene	12.853	95	297730	58.414	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 116.820%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.136	85	196713	46.930	ug/l	98
3) Chloromethane	2.371	50	261919	67.042	ug/l	99
4) Vinyl Chloride	2.518	62	342403	62.383	ug/l	97
5) Bromomethane	2.948	94	229187	55.252	ug/l	98
6) Chloroethane	3.118	64	263045	70.302	ug/l	96
7) Trichlorofluoromethane	3.500	101	561896	75.492	ug/l	98
8) Diethyl Ether	3.971	74	173528	66.352	ug/l	81
9) 1,1,2-Trichlorotrifluo...	4.377	101	218534	55.633	ug/l	97
10) Methyl Iodide	4.600	142	305131	54.928	ug/l	98
11) Tert butyl alcohol	5.536	59	192907	282.578	ug/l	100
12) 1,1-Dichloroethene	4.347	96	219721	54.262	ug/l	92
13) Acrolein	4.189	56	275382	366.010	ug/l	98
14) Allyl chloride	5.030	41	315234	63.775	ug/l	96
15) Acrylonitrile	5.730	53	534102	303.463	ug/l	99
16) Acetone	4.442	43	409098	287.475	ug/l	96
17) Carbon Disulfide	4.724	76	578509	55.506	ug/l	99
18) Methyl Acetate	5.036	43	378577	57.782	ug/l	91
19) Methyl tert-butyl Ether	5.806	73	742377	57.462	ug/l	98
20) Methylene Chloride	5.289	84	259683	55.221	ug/l	89
21) trans-1,2-Dichloroethene	5.794	96	246486	56.438	ug/l	86
22) Diisopropyl ether	6.683	45	704647	60.605	ug/l	95
23) Vinyl Acetate	6.618	43	2126491	307.673	ug/l #	90
24) 1,1-Dichloroethane	6.577	63	453556	59.134	ug/l	99
25) 2-Butanone	7.488	43	668185	305.333	ug/l	88
26) 2,2-Dichloropropane	7.500	77	368951	65.147	ug/l	99
27) cis-1,2-Dichloroethene	7.500	96	289372	55.547	ug/l	93
28) Bromochloromethane	7.824	49	177005	50.262	ug/l	89
29) Tetrahydrofuran	7.847	42	445770	304.707	ug/l	85
30) Chloroform	7.977	83	491380	59.495	ug/l	98
31) Cyclohexane	8.265	56	348179	54.900	ug/l	92
32) 1,1,1-Trichloroethane	8.177	97	433869	59.836	ug/l	96
36) 1,1-Dichloropropene	8.377	75	358236	58.725	ug/l	97
37) Ethyl Acetate	7.571	43	286568	60.134	ug/l	94
38) Carbon Tetrachloride	8.371	117	383529	59.542	ug/l	98
39) Methylcyclohexane	9.606	83	316384	50.046	ug/l	92
40) Benzene	8.612	78	1081644	59.392	ug/l	99

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41) Methacrylonitrile	7.788	41	151142	58.513	ug/l	92
42) 1,2-Dichloroethane	8.677	62	365562	58.543	ug/l	97
43) Isopropyl Acetate	8.694	43	536903	58.911	ug/l	92
44) Trichloroethene	9.359	130	272375	56.632	ug/l	99
45) 1,2-Dichloropropane	9.630	63	271469	59.912	ug/l	99
46) Dibromomethane	9.712	93	196949	59.011	ug/l	96
47) Bromodichloromethane	9.894	83	385644	62.206	ug/l	96
48) Methyl methacrylate	9.688	41	226439	59.205	ug/l	90
49) 1,4-Dioxane	9.700	88	94406	1174.402	ug/l	95
51) 4-Methyl-2-Pentanone	10.453	43	1478077	307.980	ug/l	93
52) Toluene	10.635	92	678219	58.983	ug/l	94
53) t-1,3-Dichloropropene	10.841	75	397908	61.630	ug/l	99
54) cis-1,3-Dichloropropene	10.318	75	438069	61.380	ug/l	97
55) 1,1,2-Trichloroethane	11.024	97	260569	59.904	ug/l	95
56) Ethyl methacrylate	10.882	69	392444	61.962	ug/l	93
57) 1,3-Dichloropropane	11.171	76	448965	61.148	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.165	63	743648	290.650	ug/l	92
59) 2-Hexanone	11.200	43	1040047	311.235	ug/l	93
60) Dibromochloromethane	11.365	129	290275	60.985	ug/l	100
61) 1,2-Dibromoethane	11.476	107	269420	59.022	ug/l	100
64) Tetrachloroethene	11.112	164	213177	54.205	ug/l	96
65) Chlorobenzene	11.900	112	712697	56.453	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.965	131	275739	59.384	ug/l	99
67) Ethyl Benzene	11.971	91	1261068	57.891	ug/l	100
68) m/p-Xylenes	12.076	106	959225	115.545	ug/l	97
69) o-Xylene	12.406	106	475795	58.362	ug/l	97
70) Styrene	12.418	104	767615	59.809	ug/l	97
71) Bromoform	12.582	173	187901	62.706	ug/l #	100
73) Isopropylbenzene	12.700	105	1146996	51.901	ug/l	99
74) N-amyl acetate	12.500	43	404129	55.531	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.941	83	367545	61.007	ug/l	100
76) 1,2,3-Trichloropropane	13.000	75	330120m	59.752	ug/l	
77) Bromobenzene	12.988	156	272045	53.028	ug/l	98
78) n-propylbenzene	13.041	91	1261473	52.538	ug/l	100
79) 2-Chlorotoluene	13.129	91	815800	52.636	ug/l	99
80) 1,3,5-Trimethylbenzene	13.176	105	919185	51.373	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.741	75	107917	60.012	ug/l	93
82) 4-Chlorotoluene	13.229	91	779841	53.912	ug/l	99
83) tert-Butylbenzene	13.441	119	763312	49.078	ug/l	97
84) 1,2,4-Trimethylbenzene	13.488	105	926026	53.383	ug/l	100
85) sec-Butylbenzene	13.623	105	944838	46.414	ug/l	99
86) p-Isopropyltoluene	13.735	119	782900	47.392	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	442528	50.996	ug/l	100
88) 1,4-Dichlorobenzene	13.817	146	435123	51.964	ug/l	100
89) n-Butylbenzene	14.059	91	587742	45.107	ug/l	98
90) Hexachloroethane	14.341	117	173334	59.125	ug/l	83
91) 1,2-Dichlorobenzene	14.112	146	436355	51.451	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.723	75	58125	53.099	ug/l	97
93) 1,2,4-Trichlorobenzene	15.400	180	135326	44.784	ug/l	98
94) Hexachlorobutadiene	15.506	225	71005	47.822	ug/l	99
95) Naphthalene	15.647	128	439259	43.216	ug/l	99
96) 1,2,3-Trichlorobenzene	15.847	180	146484	43.344	ug/l	97

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

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