

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051823\
 Data File : VN077730.D
 Acq On : 18 May 2023 11:15
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/19/2023
 Supervised By : Mahesh Dadoda 05/29/2023

Quant Time: May 19 07:32:30 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051523W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 16 04:07:42 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.229	168	365926	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	667504	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	588944	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	264309	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	265749	48.537	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.080%		
35) Dibromofluoromethane	8.171	113	223107	51.257	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	102.520%		
50) Toluene-d8	10.571	98	846298	50.513	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	101.020%		
62) 4-Bromofluorobenzene	12.853	95	295180	49.886	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	99.780%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.136	85	212119	50.935	ug/l	95
3) Chloromethane	2.371	50	209513	47.355	ug/l	96
4) Vinyl Chloride	2.524	62	249547	47.528	ug/l	98
5) Bromomethane	2.965	94	184835	47.598	ug/l	98
6) Chloroethane	3.130	64	169290	44.739	ug/l	99
7) Trichlorofluoromethane	3.506	101	379209	51.824	ug/l	97
8) Diethyl Ether	3.971	74	143730	53.805	ug/l	82
9) 1,1,2-Trichlorotrifluo...	4.389	101	215163	53.134	ug/l	99
10) Methyl Iodide	4.600	142	288748	59.791	ug/l	98
11) Tert butyl alcohol	5.530	59	185065	244.915	ug/l	98
12) 1,1-Dichloroethene	4.353	96	198439	51.560	ug/l	87
13) Acrolein	4.189	56	131962	284.706	ug/l	98
14) Allyl chloride	5.036	41	275811	48.782	ug/l	93
15) Acrylonitrile	5.724	53	494819	245.111	ug/l	99
16) Acetone	4.436	43	415329	241.111	ug/l	100
17) Carbon Disulfide	4.724	76	485954	46.861	ug/l	97
18) Methyl Acetate	5.030	43	348900	48.281	ug/l	90
19) Methyl tert-butyl Ether	5.800	73	752017	53.982	ug/l	96
20) Methylene Chloride	5.289	84	243333	54.449	ug/l	90
21) trans-1,2-Dichloroethene	5.800	96	222086	51.370	ug/l	87
22) Diisopropyl ether	6.677	45	691054	52.145	ug/l	95
23) Vinyl Acetate	6.612	43	2098037	255.516	ug/l	93
24) 1,1-Dichloroethane	6.571	63	429584	52.910	ug/l	98
25) 2-Butanone	7.488	43	649947	241.202	ug/l	89
26) 2,2-Dichloropropane	7.500	77	374634	54.312	ug/l	99
27) cis-1,2-Dichloroethene	7.494	96	271361	52.348	ug/l	91
28) Bromochloromethane	7.824	49	166345	47.374	ug/l	91
29) Tetrahydrofuran	7.841	42	408422	231.478	ug/l	85
30) Chloroform	7.971	83	472553	52.910	ug/l	91
31) Cyclohexane	8.265	56	361951	48.639	ug/l	93
32) 1,1,1-Trichloroethane	8.177	97	407772	53.701	ug/l	99
36) 1,1-Dichloropropene	8.377	75	332715	52.260	ug/l	97
37) Ethyl Acetate	7.565	43	257841	45.438	ug/l	95
38) Carbon Tetrachloride	8.371	117	353653	55.010	ug/l	100
39) Methylcyclohexane	9.606	83	417472	53.562	ug/l	91
40) Benzene	8.612	78	991174	52.757	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.782	41	147265	48.731	ug/l	91
42) 1,2-Dichloroethane	8.677	62	351306	51.476	ug/l	98
43) Isopropyl Acetate	8.694	43	460753	49.710	ug/l	96
44) Trichloroethene	9.359	130	263501	55.391	ug/l	96
45) 1,2-Dichloropropane	9.629	63	262708	54.821	ug/l	96
46) Dibromomethane	9.718	93	182043	53.088	ug/l	97
47) Bromodichloromethane	9.894	83	370342	56.411	ug/l	97
48) Methyl methacrylate	9.688	41	224442	51.073	ug/l	86
49) 1,4-Dioxane	9.694	88	84583	1019.067	ug/l #	88
51) 4-Methyl-2-Pentanone	10.453	43	1357262	246.351	ug/l	94
52) Toluene	10.635	92	638303	54.574	ug/l	96
53) t-1,3-Dichloropropene	10.841	75	397096	57.118	ug/l	98
54) cis-1,3-Dichloropropene	10.318	75	426200	55.630	ug/l	94
55) 1,1,2-Trichloroethane	11.023	97	253896	54.671	ug/l	96
56) Ethyl methacrylate	10.882	69	377277	53.729	ug/l	93
57) 1,3-Dichloropropane	11.170	76	431451	54.193	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.165	63	858427	248.499	ug/l	93
59) 2-Hexanone	11.200	43	960813	235.774	ug/l	94
60) Dibromochloromethane	11.365	129	274136	57.180	ug/l	99
61) 1,2-Dibromoethane	11.476	107	257016	55.475	ug/l	98
64) Tetrachloroethene	11.112	164	245368	59.575	ug/l	98
65) Chlorobenzene	11.900	112	691525	54.162	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.970	131	256503	58.062	ug/l	97
67) Ethyl Benzene	11.970	91	1242464	54.303	ug/l	99
68) m/p-Xylenes	12.076	106	949710	109.546	ug/l	98
69) o-Xylene	12.406	106	477622	56.020	ug/l	99
70) Styrene	12.417	104	770309	56.874	ug/l	99
71) Bromoform	12.582	173	173557	59.056	ug/l #	100
73) Isopropylbenzene	12.700	105	1233532	54.141	ug/l	100
74) N-amyl acetate	12.500	43	386592	45.906	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.941	83	333489	47.580	ug/l	98
76) 1,2,3-Trichloropropane	13.000	75	328645m	49.650	ug/l	
77) Bromobenzene	12.988	156	275118	52.914	ug/l	97
78) n-propylbenzene	13.041	91	1427294	53.138	ug/l	100
79) 2-Chlorotoluene	13.129	91	851649	53.135	ug/l	98
80) 1,3,5-Trimethylbenzene	13.182	105	1043898	54.515	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.741	75	106799	51.575	ug/l	92
82) 4-Chlorotoluene	13.229	91	827850	51.912	ug/l	100
83) tert-Butylbenzene	13.447	119	904123	54.085	ug/l	97
84) 1,2,4-Trimethylbenzene	13.488	105	1024162	54.383	ug/l	97
85) sec-Butylbenzene	13.623	105	1296031	54.553	ug/l	100
86) p-Isopropyltoluene	13.735	119	1063985	56.176	ug/l	99
87) 1,3-Dichlorobenzene	13.741	146	505068	52.527	ug/l	99
88) 1,4-Dichlorobenzene	13.817	146	508091	53.250	ug/l	100
89) n-Butylbenzene	14.064	91	937607	53.822	ug/l	99
90) Hexachloroethane	14.341	117	186392	59.905	ug/l	92
91) 1,2-Dichlorobenzene	14.111	146	507914	56.543	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.723	75	62365	45.959	ug/l	98
93) 1,2,4-Trichlorobenzene	15.400	180	262365	49.981	ug/l	97
94) Hexachlorobutadiene	15.505	225	120850	55.449	ug/l	100
95) Naphthalene	15.647	128	791337	43.797	ug/l	99
96) 1,2,3-Trichlorobenzene	15.847	180	255711	49.753	ug/l	97

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

