

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052623\
 Data File : VN077956.D
 Acq On : 27 May 2023 04:51
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/30/2023
 Supervised By : Mahesh Dadoda 05/30/2023

Quant Time: May 29 01:44:08 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	8.230	168	348151	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	634503	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	570646	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	242223	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	275426	52.873	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.740%			
35) Dibromofluoromethane	8.177	113	231938	56.057	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 112.120%			
50) Toluene-d8	10.571	98	854643	53.665	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 107.320%			
62) 4-Bromofluorobenzene	12.853	95	289465	51.464	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 102.920%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.136	85	179815	45.383	ug/l	97
3) Chloromethane	2.371	50	198405	47.126	ug/l	98
4) Vinyl Chloride	2.518	62	258351	51.717	ug/l	96
5) Bromomethane	2.948	94	188499	51.020	ug/l	96
6) Chloroethane	3.124	64	195206	54.222	ug/l	99
7) Trichlorofluoromethane	3.500	101	365438	52.492	ug/l	98
8) Diethyl Ether	3.965	74	133655	52.588	ug/l	81
9) 1,1,2-Trichlorotrifluo...	4.377	101	201373	52.268	ug/l	100
10) Methyl Iodide	4.595	142	274517	59.746	ug/l	97
11) Tert butyl alcohol	5.530	59	188732	262.520	ug/l	99
12) 1,1-Dichloroethene	4.347	96	192544	52.582	ug/l	84
13) Acrolein	4.189	56	111128	248.268	ug/l	97
14) Allyl chloride	5.030	41	249817	46.440	ug/l	91
15) Acrylonitrile	5.730	53	505948	263.420	ug/l	99
16) Acetone	4.436	43	415875	253.754	ug/l	93
17) Carbon Disulfide	4.724	76	465671	47.198	ug/l	99
18) Methyl Acetate	5.036	43	369063	53.679	ug/l	90
19) Methyl tert-butyl Ether	5.800	73	705467	53.226	ug/l	97
20) Methylene Chloride	5.283	84	238975	56.270	ug/l	94
21) trans-1,2-Dichloroethene	5.800	96	216992	52.754	ug/l #	83
22) Diisopropyl ether	6.683	45	667017	52.901	ug/l	94
23) Vinyl Acetate	6.618	43	2005994	256.780	ug/l #	88
24) 1,1-Dichloroethane	6.577	63	421575	54.575	ug/l	96
25) 2-Butanone	7.494	43	653305	254.827	ug/l #	87
26) 2,2-Dichloropropane	7.500	77	233857	35.634	ug/l	96
27) cis-1,2-Dichloroethene	7.494	96	267510	54.240	ug/l	95
28) Bromochloromethane	7.824	49	162787	48.727	ug/l	90
29) Tetrahydrofuran	7.847	42	431048	256.774	ug/l	85
30) Chloroform	7.977	83	458316	53.936	ug/l	91
31) Cyclohexane	8.265	56	348736	49.256	ug/l	90
32) 1,1,1-Trichloroethane	8.177	97	406173	56.222	ug/l	97
36) 1,1-Dichloropropene	8.377	75	332662	54.969	ug/l	97
37) Ethyl Acetate	7.571	43	270937	50.229	ug/l #	95
38) Carbon Tetrachloride	8.371	117	351582	57.533	ug/l	97
39) Methylcyclohexane	9.606	83	364853	49.245	ug/l	94
40) Benzene	8.612	78	1011164	56.621	ug/l	98

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41) Methacrylonitrile	7.788	41	142757	49.696	ug/l	94
42) 1,2-Dichloroethane	8.677	62	353419	54.479	ug/l	97
43) Isopropyl Acetate	8.694	43	483562	54.885	ug/l #	95
44) Trichloroethene	9.359	130	249936	55.272	ug/l	97
45) 1,2-Dichloropropane	9.629	63	261238	57.349	ug/l	98
46) Dibromomethane	9.718	93	179955	55.208	ug/l	95
47) Bromodichloromethane	9.894	83	366380	58.711	ug/l	95
48) Methyl methacrylate	9.688	41	223813	53.579	ug/l	89
49) 1,4-Dioxane	9.700	88	93595	1186.295	ug/l	93
51) 4-Methyl-2-Pentanone	10.453	43	1437569	274.498	ug/l	93
52) Toluene	10.635	92	633176	56.951	ug/l	95
53) t-1,3-Dichloropropene	10.841	75	352066	53.275	ug/l	99
54) cis-1,3-Dichloropropene	10.318	75	384738	52.830	ug/l	93
55) 1,1,2-Trichloroethane	11.024	97	250019	56.636	ug/l	95
56) Ethyl methacrylate	10.882	69	370098	55.448	ug/l #	89
57) 1,3-Dichloropropane	11.171	76	425499	56.225	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.165	63	736708	224.355	ug/l	93
59) 2-Hexanone	11.200	43	1026965	265.115	ug/l	93
60) Dibromochloromethane	11.365	129	269873	59.218	ug/l	98
61) 1,2-Dibromoethane	11.476	107	256828	58.318	ug/l	97
64) Tetrachloroethene	11.112	164	214330	53.708	ug/l	97
65) Chlorobenzene	11.900	112	678709	54.863	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.965	131	255971	59.799	ug/l	98
67) Ethyl Benzene	11.970	91	1233450	55.638	ug/l	97
68) m/p-Xylenes	12.076	106	937465	111.601	ug/l	98
69) o-Xylene	12.406	106	466851	56.512	ug/l	98
70) Styrene	12.418	104	744185	56.707	ug/l	99
71) Bromoform	12.588	173	171650	60.280	ug/l #	99
73) Isopropylbenzene	12.706	105	1188348	56.914	ug/l	100
74) N-amyl acetate	12.500	43	383724	49.720	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.941	83	354518	55.192	ug/l	98
76) 1,2,3-Trichloropropane	13.000	75	301377m	49.682	ug/l	
77) Bromobenzene	12.988	156	261519	54.885	ug/l	99
78) n-propylbenzene	13.041	91	1338587	54.379	ug/l	99
79) 2-Chlorotoluene	13.129	91	811437	55.242	ug/l	98
80) 1,3,5-Trimethylbenzene	13.182	105	983405	56.039	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.747	75	88978	46.887	ug/l	90
82) 4-Chlorotoluene	13.229	91	769984	52.686	ug/l	97
83) tert-Butylbenzene	13.447	119	835941	54.566	ug/l	99
84) 1,2,4-Trimethylbenzene	13.488	105	978524	56.697	ug/l	100
85) sec-Butylbenzene	13.623	105	1131010	51.948	ug/l	100
86) p-Isopropyltoluene	13.735	119	939906	54.150	ug/l	98
87) 1,3-Dichlorobenzene	13.741	146	467547	53.058	ug/l	98
88) 1,4-Dichlorobenzene	13.817	146	443217	50.686	ug/l	99
89) n-Butylbenzene	14.064	91	732149	45.860	ug/l	98
90) Hexachloroethane	14.341	117	162666	57.047	ug/l	92
91) 1,2-Dichlorobenzene	14.112	146	461773	56.094	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.729	75	59148	47.562	ug/l	100
93) 1,2,4-Trichlorobenzene	15.400	180	184166	38.283	ug/l	98
94) Hexachlorobutadiene	15.511	225	77014	38.558	ug/l	98
95) Naphthalene	15.653	128	600389	36.259	ug/l	100
96) 1,2,3-Trichlorobenzene	15.847	180	190560	40.458	ug/l	97

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

