

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071023\
 Data File : VN078449.D
 Acq On : 10 Jul 2023 12:21
 Operator : JC\MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/10/2023
 Supervised By : Mahesh Dadoda 07/11/2023

Quant Time: Jul 10 15:53:29 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071023W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 10 15:52:56 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.229	168	529269	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	884816	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	809369	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	350434	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	689860	97.226	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 194.460%#			
35) Dibromofluoromethane	8.171	113	598949	99.718	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 199.440%#			
50) Toluene-d8	10.570	98	2333382	102.836	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 205.680%#			
62) 4-Bromofluorobenzene	12.853	95	761303	108.927	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 217.860%#			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.136	85	598287	92.198	ug/l	99
3) Chloromethane	2.371	50	598919	84.916	ug/l	99
4) Vinyl Chloride	2.518	62	848479	92.996	ug/l	99
5) Bromomethane	2.930	94	538464	98.088	ug/l	98
6) Chloroethane	3.112	64	529072	97.693	ug/l	99
7) Trichlorofluoromethane	3.500	101	1000520	91.735	ug/l	98
8) Diethyl Ether	3.971	74	348876	96.009	ug/l	82
9) 1,1,2-Trichlorotrifluo...	4.377	101	543113	94.070	ug/l	96
10) Methyl Iodide	4.600	142	791102	99.715	ug/l	98
11) Tert butyl alcohol	5.535	59	500203	457.168	ug/l	100
12) 1,1-Dichloroethene	4.347	96	531553	95.180	ug/l	93
13) Acrolein	4.189	56	472675	439.093	ug/l	96
14) Allyl chloride	5.030	41	776741	101.785	ug/l	95
15) Acrylonitrile	5.730	53	1304517	471.888	ug/l	98
16) Acetone	4.441	43	989619	447.746	ug/l	95
17) Carbon Disulfide	4.718	76	1489774	92.251	ug/l	100
18) Methyl Acetate	5.036	43	842277	90.022	ug/l	91
19) Methyl tert-butyl Ether	5.806	73	1787957	97.168	ug/l	98
20) Methylene Chloride	5.288	84	619280	99.918	ug/l	94
21) trans-1,2-Dichloroethene	5.788	96	594718	94.500	ug/l	85
22) Diisopropyl ether	6.682	45	1714703	100.349	ug/l	93
23) Vinyl Acetate	6.612	43	5545293	510.470	ug/l #	90
24) 1,1-Dichloroethane	6.577	63	1092661	94.898	ug/l	97
25) 2-Butanone	7.494	43	1660630	477.304	ug/l #	86
26) 2,2-Dichloropropane	7.494	77	888554	94.354	ug/l	97
27) cis-1,2-Dichloroethene	7.494	96	712162	97.820	ug/l	95
28) Bromochloromethane	7.818	49	522124	96.276	ug/l	95
29) Tetrahydrofuran	7.841	42	1091183	477.975	ug/l	85
30) Chloroform	7.971	83	1162056	96.940	ug/l	95
31) Cyclohexane	8.265	56	873121	91.053	ug/l	91
32) 1,1,1-Trichloroethane	8.177	97	1051373	97.825	ug/l	99
36) 1,1-Dichloropropene	8.377	75	876574	101.073	ug/l	97
37) Ethyl Acetate	7.571	43	713961	98.754	ug/l #	93
38) Carbon Tetrachloride	8.371	117	951010	100.894	ug/l	99
39) Methylcyclohexane	9.606	83	821072	103.718	ug/l	93
40) Benzene	8.612	78	2579598	100.399	ug/l	100

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41) Methacrylonitrile	7.782	41	366272	99.379	ug/l	93
42) 1,2-Dichloroethane	8.676	62	859129	98.306	ug/l	98
43) Isopropyl Acetate	8.694	43	1200973	100.898	ug/l	95
44) Trichloroethene	9.359	130	676620	97.708	ug/l	96
45) 1,2-Dichloropropane	9.629	63	659180	101.295	ug/l	96
46) Dibromomethane	9.718	93	458394	100.082	ug/l	92
47) Bromodichloromethane	9.894	83	931328	101.438	ug/l	96
48) Methyl methacrylate	9.688	41	565122	102.480	ug/l	89
49) 1,4-Dioxane	9.700	88	235915	1961.710	ug/l	92
51) 4-Methyl-2-Pentanone	10.453	43	3625073	512.021	ug/l	94
52) Toluene	10.635	92	1645878	103.357	ug/l	95
53) t-1,3-Dichloropropene	10.841	75	1008246	107.193	ug/l	97
54) cis-1,3-Dichloropropene	10.318	75	1081769	107.895	ug/l	95
55) 1,1,2-Trichloroethane	11.023	97	630169	100.440	ug/l	96
56) Ethyl methacrylate	10.882	69	969055	110.491	ug/l	91
57) 1,3-Dichloropropane	11.170	76	1063476	99.690	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.165	63	1698978	543.575	ug/l	92
59) 2-Hexanone	11.200	43	2590734	514.873	ug/l	93
60) Dibromochloromethane	11.365	129	729257	105.285	ug/l	100
61) 1,2-Dibromoethane	11.476	107	659683	102.069	ug/l	98
64) Tetrachloroethene	11.112	164	592538	97.376	ug/l	99
65) Chlorobenzene	11.900	112	1771031	97.894	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.964	131	678645	97.511	ug/l	98
67) Ethyl Benzene	11.970	91	3195916	104.509	ug/l	99
68) m/p-Xylenes	12.076	106	2419893	214.028	ug/l	99
69) o-Xylene	12.406	106	1192004	104.378	ug/l	99
70) Styrene	12.417	104	1977678	110.693	ug/l	98
71) Bromoform	12.582	173	491543	104.284	ug/l #	99
73) Isopropylbenzene	12.700	105	2959536	89.878	ug/l	99
74) N-amyl acetate	12.500	43	1008511	88.874	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.941	83	872665	97.850	ug/l	99
76) 1,2,3-Trichloropropane	13.000	75	718586m	84.931	ug/l	
77) Bromobenzene	12.988	156	699504	99.206	ug/l	96
78) n-propylbenzene	13.041	91	3376548	95.884	ug/l	100
79) 2-Chlorotoluene	13.129	91	2058460	89.241	ug/l	97
80) 1,3,5-Trimethylbenzene	13.176	105	2373479	91.227	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.741	75	300079	93.095	ug/l	96
82) 4-Chlorotoluene	13.229	91	2028212	94.257	ug/l	98
83) tert-Butylbenzene	13.447	119	2001333	90.603	ug/l	96
84) 1,2,4-Trimethylbenzene	13.488	105	2349919	92.987	ug/l	98
85) sec-Butylbenzene	13.623	105	2593302	92.882	ug/l	99
86) p-Isopropyltoluene	13.735	119	2138276	95.378	ug/l	98
87) 1,3-Dichlorobenzene	13.741	146	1211554	95.843	ug/l	98
88) 1,4-Dichlorobenzene	13.817	146	1183297	92.934	ug/l	98
89) n-Butylbenzene	14.064	91	1619314	100.948	ug/l	97
90) Hexachloroethane	14.341	117	410352	100.408	ug/l	86
91) 1,2-Dichlorobenzene	14.111	146	1172549	93.207	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	153027	98.955	ug/l	92
93) 1,2,4-Trichlorobenzene	15.400	180	441721	110.019	ug/l	97
94) Hexachlorobutadiene	15.505	225	193432	97.023	ug/l	99
95) Naphthalene	15.647	128	1448721	105.547	ug/l	99
96) 1,2,3-Trichlorobenzene	15.847	180	468039	101.382	ug/l	95

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

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