

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071023\
 Data File : VN078451.D
 Acq On : 10 Jul 2023 13:10
 Operator : JC\MD
 Sample : VSTDICC040
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC040

Quant Time: Jul 10 15:54:07 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

Manual Integrations APPROVED

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

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

Internal Standards						
1) Pentafluorobenzene	8.229	168	497495	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	863649	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	759512	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	317914	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	261346	39.186	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	78.380%		
35) Dibromofluoromethane	8.171	113	227856	38.865	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	77.740%		
50) Toluene-d8	10.571	98	861588	38.902	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	77.800%#		
62) 4-Bromofluorobenzene	12.853	95	270837	39.701	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	79.400%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.136	85	242491	39.755	ug/l	97
3) Chloromethane	2.371	50	259063	39.076	ug/l	95
4) Vinyl Chloride	2.518	62	320248	37.342	ug/l	98
5) Bromomethane	2.953	94	233040	42.183	ug/l	93
6) Chloroethane	3.124	64	208323	39.762	ug/l	96
7) Trichlorofluoromethane	3.500	101	395288	38.558	ug/l	99
8) Diethyl Ether	3.971	74	136958	40.097	ug/l	82
9) 1,1,2-Trichlorotrifluo...	4.377	101	215685	39.744	ug/l	97
10) Methyl Iodide	4.600	142	304539	40.837	ug/l	97
11) Tert butyl alcohol	5.530	59	207094	201.365	ug/l	100
12) 1,1-Dichloroethene	4.347	96	208230	39.667	ug/l	88
13) Acrolein	4.189	56	212550	210.060	ug/l	96
14) Allyl chloride	5.036	41	304925	42.510	ug/l	93
15) Acrylonitrile	5.736	53	541707	208.469	ug/l	99
16) Acetone	4.442	43	411220	197.936	ug/l	95
17) Carbon Disulfide	4.718	76	572457	37.712	ug/l	97
18) Methyl Acetate	5.036	43	344844	39.211	ug/l	91
19) Methyl tert-butyl Ether	5.800	73	711459	41.134	ug/l	100
20) Methylene Chloride	5.289	84	248597	40.424	ug/l	93
21) trans-1,2-Dichloroethene	5.794	96	235367	39.788	ug/l #	80
22) Diisopropyl ether	6.683	45	667069	41.532	ug/l	96
23) Vinyl Acetate	6.618	43	2166439	212.168	ug/l #	91
24) 1,1-Dichloroethane	6.583	63	422735	39.060	ug/l	98
25) 2-Butanone	7.494	43	678391	207.439	ug/l	89
26) 2,2-Dichloropropane	7.500	77	356772	40.304	ug/l	99
27) cis-1,2-Dichloroethene	7.494	96	277094	40.492	ug/l	95
28) Bromochloromethane	7.818	49	200732	39.378	ug/l	93
29) Tetrahydrofuran	7.847	42	446049	207.863	ug/l	86
30) Chloroform	7.971	83	459616	40.791	ug/l	94
31) Cyclohexane	8.265	56	350878	38.928	ug/l	92
32) 1,1,1-Trichloroethane	8.177	97	415202	41.100	ug/l	96
36) 1,1-Dichloropropene	8.377	75	339938	40.157	ug/l	98
37) Ethyl Acetate	7.571	43	294938	41.795	ug/l	95
38) Carbon Tetrachloride	8.371	117	376705	40.945	ug/l	97
39) Methylcyclohexane	9.612	83	313223	40.536	ug/l	93
40) Benzene	8.612	78	1021262	40.722	ug/l	99

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41) Methacrylonitrile	7.788	41	145128	40.342	ug/l	93
42) 1,2-Dichloroethane	8.677	62	336345	39.429	ug/l	99
43) Isopropyl Acetate	8.694	43	489622	42.143	ug/l	94
44) Trichloroethene	9.359	130	267689	39.603	ug/l	95
45) 1,2-Dichloropropane	9.629	63	254219	40.023	ug/l	96
46) Dibromomethane	9.712	93	183848	41.124	ug/l	92
47) Bromodichloromethane	9.894	83	360787	40.259	ug/l	95
48) Methyl methacrylate	9.688	41	223368	41.499	ug/l	92
49) 1,4-Dioxane	9.700	88	95194	810.969	ug/l	92
51) 4-Methyl-2-Pentanone	10.453	43	1474393	213.353	ug/l	94
52) Toluene	10.635	92	646394	41.587	ug/l	97
53) t-1,3-Dichloropropene	10.841	75	384861	41.920	ug/l	98
54) cis-1,3-Dichloropropene	10.318	75	415396	42.447	ug/l	95
55) 1,1,2-Trichloroethane	11.023	97	248775	40.623	ug/l	96
56) Ethyl methacrylate	10.882	69	361395	42.216	ug/l #	89
57) 1,3-Dichloropropane	11.170	76	420094	40.345	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.165	63	644098	211.125	ug/l	93
59) 2-Hexanone	11.200	43	1057107	215.235	ug/l	92
60) Dibromochloromethane	11.365	129	280365	41.469	ug/l	99
61) 1,2-Dibromoethane	11.476	107	263350	41.745	ug/l	97
64) Tetrachloroethene	11.112	164	236578	41.431	ug/l	96
65) Chlorobenzene	11.900	112	682832	40.221	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.965	131	264094	40.437	ug/l	97
67) Ethyl Benzene	11.970	91	1193910	41.605	ug/l	100
68) m/p-Xylenes	12.076	106	905406	85.335	ug/l	97
69) o-Xylene	12.406	106	440325	41.088	ug/l	96
70) Styrene	12.417	104	723105	43.130	ug/l	99
71) Bromoform	12.582	173	188750	42.673	ug/l #	100
73) Isopropylbenzene	12.700	105	1104817	36.984	ug/l	99
74) N-amyl acetate	12.500	43	388381	37.727	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.941	83	355158	42.076	ug/l	98
76) 1,2,3-Trichloropropane	12.994	75	290690m	37.872	ug/l	
77) Bromobenzene	12.988	156	268189	41.006	ug/l	95
78) n-propylbenzene	13.041	91	1242491	38.892	ug/l	100
79) 2-Chlorotoluene	13.129	91	775129	37.042	ug/l	96
80) 1,3,5-Trimethylbenzene	13.176	105	905907	38.381	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.741	75	108755	37.191	ug/l	95
82) 4-Chlorotoluene	13.229	91	743995	38.113	ug/l	97
83) tert-Butylbenzene	13.447	119	745533	37.204	ug/l	98
84) 1,2,4-Trimethylbenzene	13.488	105	906971	39.560	ug/l	99
85) sec-Butylbenzene	13.623	105	951488	37.565	ug/l	98
86) p-Isopropyltoluene	13.735	119	797311	39.202	ug/l	97
87) 1,3-Dichlorobenzene	13.741	146	447101	38.987	ug/l	98
88) 1,4-Dichlorobenzene	13.817	146	434810	37.642	ug/l	99
89) n-Butylbenzene	14.064	91	595980	40.954	ug/l	98
90) Hexachloroethane	14.341	117	149143	39.729	ug/l	84
91) 1,2-Dichlorobenzene	14.111	146	440096	38.562	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.723	75	60119	41.720	ug/l	93
93) 1,2,4-Trichlorobenzene	15.400	180	148938	40.890	ug/l	97
94) Hexachlorobutadiene	15.506	225	78543	40.933	ug/l	98
95) Naphthalene	15.647	128	492797	39.576	ug/l	99
96) 1,2,3-Trichlorobenzene	15.847	180	167339	39.955	ug/l	97

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

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