

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071023\
 Data File : VN078452.D
 Acq On : 10 Jul 2023 13:34
 Operator : JC\MD
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Quant Time: Jul 10 15:54:26 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	8.230	168	506490	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	868065	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	751724	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	282655	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	136740	20.138	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	40.280%#		
35) Dibromofluoromethane	8.177	113	120405	20.433	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	40.860%#		
50) Toluene-d8	10.571	98	444912	19.986	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	39.980%#		
62) 4-Bromofluorobenzene	12.853	95	134584	19.628	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	39.260%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.136	85	116678	18.789	ug/l	95
3) Chloromethane	2.371	50	125042	18.526	ug/l	100
4) Vinyl Chloride	2.518	62	170651	19.545	ug/l	100
5) Bromomethane	2.965	94	125578	19.729	ug/l	98
6) Chloroethane	3.124	64	113376	20.326	ug/l	95
7) Trichlorofluoromethane	3.501	101	204564	19.600	ug/l	100
8) Diethyl Ether	3.977	74	65418	18.812	ug/l	75
9) 1,1,2-Trichlorotrifluo...	4.383	101	108045	19.556	ug/l	96
10) Methyl Iodide	4.600	142	148429	19.550	ug/l	97
11) Tert butyl alcohol	5.536	59	103940	99.270	ug/l	99
12) 1,1-Dichloroethene	4.348	96	103072	19.286	ug/l #	78
13) Acrolein	4.189	56	102329	99.334	ug/l	99
14) Allyl chloride	5.030	41	137963	18.892	ug/l	96
15) Acrylonitrile	5.730	53	264143	99.847	ug/l	98
16) Acetone	4.436	43	202621	95.797	ug/l	93
17) Carbon Disulfide	4.718	76	292314	18.915	ug/l	98
18) Methyl Acetate	5.042	43	168020	18.766	ug/l	95
19) Methyl tert-butyl Ether	5.812	73	345173	19.602	ug/l	96
20) Methylene Chloride	5.289	84	122115	19.056	ug/l	94
21) trans-1,2-Dichloroethene	5.795	96	117630	19.532	ug/l #	84
22) Diisopropyl ether	6.677	45	326748	19.982	ug/l #	93
23) Vinyl Acetate	6.618	43	1052338	101.229	ug/l #	90
24) 1,1-Dichloroethane	6.577	63	213961	19.418	ug/l	98
25) 2-Butanone	7.494	43	330113	99.149	ug/l	92
26) 2,2-Dichloropropane	7.500	77	169178	18.773	ug/l	97
27) cis-1,2-Dichloroethene	7.494	96	137922	19.797	ug/l	95
28) Bromochloromethane	7.818	49	102041	19.662	ug/l	88
29) Tetrahydrofuran	7.847	42	212833	97.421	ug/l	87
30) Chloroform	7.971	83	226403	19.736	ug/l	87
31) Cyclohexane	8.259	56	177544	19.348	ug/l	92
32) 1,1,1-Trichloroethane	8.177	97	206056	20.035	ug/l	96
36) 1,1-Dichloropropene	8.383	75	166479	19.566	ug/l	97
37) Ethyl Acetate	7.571	43	147608	20.811	ug/l #	95
38) Carbon Tetrachloride	8.365	117	184232	19.923	ug/l	96
39) Methylcyclohexane	9.606	83	153535	19.769	ug/l	91
40) Benzene	8.612	78	508110	20.157	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.789	41	70224	19.421	ug/l	95
42) 1,2-Dichloroethane	8.677	62	172703	20.143	ug/l	99
43) Isopropyl Acetate	8.694	43	244233	20.915	ug/l	93
44) Trichloroethene	9.359	130	130391	19.193	ug/l	97
45) 1,2-Dichloropropane	9.630	63	129772	20.327	ug/l	95
46) Dibromomethane	9.712	93	90702	20.185	ug/l	92
47) Bromodichloromethane	9.894	83	182702	20.283	ug/l	98
48) Methyl methacrylate	9.688	41	108172	19.995	ug/l	90
49) 1,4-Dioxane	9.700	88	48946	414.856	ug/l	95
51) 4-Methyl-2-Pentanone	10.453	43	729296	104.997	ug/l	92
52) Toluene	10.635	92	304938	19.519	ug/l	92
53) t-1,3-Dichloropropene	10.841	75	184312	19.973	ug/l	100
54) cis-1,3-Dichloropropene	10.318	75	200793	20.413	ug/l	93
55) 1,1,2-Trichloroethane	11.024	97	124764	20.269	ug/l	96
56) Ethyl methacrylate	10.877	69	174763	20.311	ug/l	91
57) 1,3-Dichloropropane	11.171	76	212899	20.342	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.165	63	297509	97.023	ug/l	93
59) 2-Hexanone	11.200	43	504899	102.278	ug/l	92
60) Dibromochloromethane	11.365	129	136492	20.086	ug/l	99
61) 1,2-Dibromoethane	11.471	107	127160	20.054	ug/l	100
64) Tetrachloroethene	11.112	164	118973	21.051	ug/l	95
65) Chlorobenzene	11.894	112	334361	19.899	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.965	131	129045	19.964	ug/l	96
67) Ethyl Benzene	11.971	91	580064	20.423	ug/l	99
68) m/p-Xylenes	12.076	106	433823	41.312	ug/l	98
69) o-Xylene	12.406	106	214478	20.221	ug/l	98
70) Styrene	12.418	104	335885	20.241	ug/l	98
71) Bromoform	12.582	173	88446	20.203	ug/l #	98
73) Isopropylbenzene	12.700	105	527441	19.859	ug/l	99
74) N-amyl acetate	12.500	43	182096	19.895	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.941	83	169381	21.039	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	139097m	20.382	ug/l	
77) Bromobenzene	12.982	156	123131	20.404	ug/l	97
78) n-propylbenzene	13.041	91	567216	19.970	ug/l	100
79) 2-Chlorotoluene	13.129	91	371193	19.951	ug/l	97
80) 1,3,5-Trimethylbenzene	13.176	105	426565	20.327	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.741	75	49271	18.951	ug/l	97
82) 4-Chlorotoluene	13.229	91	340292	19.607	ug/l	98
83) tert-Butylbenzene	13.447	119	357194	20.048	ug/l	97
84) 1,2,4-Trimethylbenzene	13.488	105	412523	20.238	ug/l	97
85) sec-Butylbenzene	13.623	105	443554	19.696	ug/l	98
86) p-Isopropyltoluene	13.735	119	362229	20.032	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	199778	19.594	ug/l	97
88) 1,4-Dichlorobenzene	13.818	146	200731	19.545	ug/l	99
89) n-Butylbenzene	14.059	91	259625	20.066	ug/l	96
90) Hexachloroethane	14.341	117	68556	20.140	ug/l	86
91) 1,2-Dichlorobenzene	14.112	146	204434	20.147	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	27767	20.714	ug/l	92
93) 1,2,4-Trichlorobenzene	15.400	180	62758	19.379	ug/l	98
94) Hexachlorobutadiene	15.500	225	39894	21.450	ug/l	98
95) Naphthalene	15.647	128	203476	18.379	ug/l	99
96) 1,2,3-Trichlorobenzene	15.847	180	73056	19.619	ug/l	97

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

