

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN030623\
 Data File : VN076855.D
 Acq On : 06 Mar 2023 18:02
 Operator : JC\MD
 Sample : VSTDIC010
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC010

Quant Time: Mar 07 01:53:38 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N030623W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 07 01:38:46 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 03/07/2023
 Supervised By : Semsettin Yesilyurt 03/07/2023

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	557467	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	985840	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	865206	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	356079	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	71990	9.211	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	18.420%#		
35) Dibromofluoromethane	8.172	113	57665	9.350	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	18.700%#		
50) Toluene-d8	10.571	98	214557	9.030	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	18.060%#		
62) 4-Bromofluorobenzene	12.854	95	71534	8.688	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	17.380%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.143	85	57615	8.882	ug/l	98
3) Chloromethane	2.378	50	76975	9.022	ug/l	94
4) Vinyl Chloride	2.531	62	69799	8.926	ug/l	97
5) Bromomethane	2.966	94	52375	10.193	ug/l	90
6) Chloroethane	3.137	64	44344	9.039	ug/l	93
7) Trichlorofluoromethane	3.513	101	103310	9.054	ug/l	100
8) Diethyl Ether	3.978	74	39556	9.012	ug/l	69
9) 1,1,2-Trichlorotrifluo...	4.395	101	61782	9.261	ug/l	97
10) Methyl Iodide	4.601	142	53671	7.713	ug/l #	93
11) Tert butyl alcohol	5.537	59	51843	44.668	ug/l #	88
12) 1,1-Dichloroethene	4.360	96	55233	8.878	ug/l	90
13) Acrolein	4.195	56	70116	46.699	ug/l	97
14) Allyl chloride	5.042	41	89095	8.578	ug/l #	80
15) Acrylonitrile	5.731	53	169444	45.396	ug/l	99
16) Acetone	4.448	43	154496	45.285	ug/l	93
17) Carbon Disulfide	4.731	76	149540	8.854	ug/l	96
18) Methyl Acetate	5.042	43	104247	8.917	ug/l #	86
19) Methyl tert-butyl Ether	5.801	73	189753	8.895	ug/l	96
20) Methylene Chloride	5.289	84	69292	8.705	ug/l #	81
21) trans-1,2-Dichloroethene	5.795	96	59668	8.871	ug/l	87
22) Diisopropyl ether	6.684	45	215089	9.205	ug/l #	91
23) Vinyl Acetate	6.619	43	653598	43.914	ug/l #	91
24) 1,1-Dichloroethane	6.584	63	120978	9.079	ug/l	96
25) 2-Butanone	7.495	43	228189	45.787	ug/l #	79
26) 2,2-Dichloropropane	7.495	77	85695	8.782	ug/l	99
27) cis-1,2-Dichloroethene	7.495	96	70890	8.996	ug/l	89
28) Bromochloromethane	7.819	49	48112	8.539	ug/l #	78
29) Tetrahydrofuran	7.848	42	150651	46.859	ug/l #	77
30) Chloroform	7.978	83	120244	9.086	ug/l	94
31) Cyclohexane	8.260	56	126183	9.557	ug/l #	83
32) 1,1,1-Trichloroethane	8.178	97	101437	8.851	ug/l	96
36) 1,1-Dichloropropene	8.383	75	89695	9.049	ug/l	96
37) Ethyl Acetate	7.572	43	94228	9.261	ug/l #	92
38) Carbon Tetrachloride	8.366	117	87314	8.671	ug/l	93
39) Methylcyclohexane	9.607	83	107515	8.800	ug/l #	83
40) Benzene	8.613	78	274521	9.092	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.789	41	49518	8.913	ug/l #	84
42) 1,2-Dichloroethane	8.672	62	93495	8.889	ug/l	96
43) Isopropyl Acetate	8.695	43	138952	8.921	ug/l #	89
44) Trichloroethene	9.360	130	64769	9.047	ug/l	98
45) 1,2-Dichloropropane	9.624	63	71808	9.203	ug/l	100
46) Dibromomethane	9.707	93	45704	9.222	ug/l	99
47) Bromodichloromethane	9.895	83	89790	8.813	ug/l	96
48) Methyl methacrylate	9.683	41	67689	8.943	ug/l #	77
49) 1,4-Dioxane	9.701	88	24665	177.801	ug/l #	78
51) 4-Methyl-2-Pentanone	10.448	43	449335	45.736	ug/l	90
52) Toluene	10.630	92	165900	9.228	ug/l	98
53) t-1,3-Dichloropropene	10.842	75	85262	8.633	ug/l	99
54) cis-1,3-Dichloropropene	10.313	75	100043	8.819	ug/l #	92
55) 1,1,2-Trichloroethane	11.019	97	65626	9.176	ug/l	97
56) Ethyl methacrylate	10.877	69	95131	8.927	ug/l #	81
57) 1,3-Dichloropropane	11.166	76	112997	9.100	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.166	63	165403	44.798	ug/l	92
59) 2-Hexanone	11.201	43	320315	44.994	ug/l	90
60) Dibromochloromethane	11.360	129	62107	8.813	ug/l	99
61) 1,2-Dibromoethane	11.471	107	60236	8.763	ug/l	97
64) Tetrachloroethene	11.107	164	57109	8.870	ug/l	93
65) Chlorobenzene	11.895	112	165267	8.839	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.966	131	59162	8.747	ug/l	99
67) Ethyl Benzene	11.966	91	298628	8.796	ug/l	96
68) m/p-Xylenes	12.071	106	229121	17.937	ug/l	94
69) o-Xylene	12.401	106	113147	8.995	ug/l	90
70) Styrene	12.413	104	173322	8.788	ug/l	95
71) Bromoform	12.583	173	39223	8.519	ug/l #	98
73) Isopropylbenzene	12.701	105	285462	9.197	ug/l	97
74) N-amyl acetate	12.495	43	107129	8.825	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.942	83	93537	9.403	ug/l	99
76) 1,2,3-Trichloropropane	12.995	75	83232m	9.282	ug/l	
77) Bromobenzene	12.983	156	61610	8.970	ug/l	85
78) n-propylbenzene	13.036	91	326110	9.213	ug/l	95
79) 2-Chlorotoluene	13.130	91	207894	9.156	ug/l	93
80) 1,3,5-Trimethylbenzene	13.177	105	241650	9.289	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.742	75	23068	8.472	ug/l #	70
82) 4-Chlorotoluene	13.224	91	199707	9.278	ug/l	91
83) tert-Butylbenzene	13.442	119	202580	9.113	ug/l	92
84) 1,2,4-Trimethylbenzene	13.483	105	238928	9.311	ug/l	96
85) sec-Butylbenzene	13.618	105	287499	9.263	ug/l	95
86) p-Isopropyltoluene	13.730	119	227870	9.179	ug/l	95
87) 1,3-Dichlorobenzene	13.736	146	109904	8.763	ug/l	95
88) 1,4-Dichlorobenzene	13.818	146	110917	8.710	ug/l	95
89) n-Butylbenzene	14.060	91	180452	8.414	ug/l	98
90) Hexachloroethane	14.336	117	40000	8.918	ug/l	95
91) 1,2-Dichlorobenzene	14.107	146	112786	8.878	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.718	75	16506	8.757	ug/l	84
93) 1,2,4-Trichlorobenzene	15.395	180	52332	8.234	ug/l	98
94) Hexachlorobutadiene	15.506	225	30342	9.169	ug/l	98
95) Naphthalene	15.642	128	172436	8.471	ug/l	99
96) 1,2,3-Trichlorobenzene	15.842	180	55130	8.826	ug/l	99

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

