

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031723\
 Data File : VN077026.D
 Acq On : 17 Mar 2023 10:13
 Operator : JC\MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/20/2023
 Supervised By : Mahesh Dadoda 03/20/2023

Quant Time: Mar 18 01:30:00 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031723W.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 18 01:17:29 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.231	168	385006	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	703964	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	624440	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	259332	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.589	65	32801	5.334	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	10.660%#
35) Dibromofluoromethane	8.178	113	24629	5.156	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	10.320%#
50) Toluene-d8	10.572	98	91328	5.186	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	10.380%#
62) 4-Bromofluorobenzene	12.848	95	30154	4.846	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	9.700%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.137	85	27960	6.660	ug/l	97
3) Chloromethane	2.378	50	20618	5.315	ug/l	93
4) Vinyl Chloride	2.531	62	23282	5.560	ug/l	91
5) Bromomethane	2.943	94	16212	5.732	ug/l	88
6) Chloroethane	3.119	64	14278	5.389	ug/l	93
7) Trichlorofluoromethane	3.507	101	44211	4.908	ug/l	99
8) Diethyl Ether	3.972	74	16472	4.859	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.384	101	24928	4.879	ug/l #	71
10) Methyl Iodide	4.607	142	27778	4.827	ug/l	95
11) Tert butyl alcohol	5.537	59	22567	25.183	ug/l #	81
12) 1,1-Dichloroethene	4.348	96	22565	4.827	ug/l	90
13) Acrolein	4.190	56	31153	28.107	ug/l	98
14) Allyl chloride	5.037	41	40423m	4.631	ug/l	
15) Acrylonitrile	5.737	53	74047	24.579	ug/l	97
16) Acetone	4.448	43	66251	24.177	ug/l	96
17) Carbon Disulfide	4.719	76	65091	4.776	ug/l	98
18) Methyl Acetate	5.037	43	52304	5.062	ug/l	99
19) Methyl tert-butyl Ether	5.807	73	80227	4.782	ug/l	95
20) Methylene Chloride	5.295	84	30040	5.051	ug/l	92
21) trans-1,2-Dichloroethene	5.795	96	24946	4.924	ug/l	95
22) Diisopropyl ether	6.678	45	91058	4.857	ug/l	94
23) Vinyl Acetate	6.619	43	269213	23.343	ug/l	99
24) 1,1-Dichloroethane	6.578	63	54643	5.093	ug/l	99
25) 2-Butanone	7.495	43	97960	24.438	ug/l	97
26) 2,2-Dichloropropane	7.495	77	39464	4.889	ug/l	96
27) cis-1,2-Dichloroethene	7.495	96	28953	4.990	ug/l	98
28) Bromochloromethane	7.819	49	23963	5.143	ug/l	97
29) Tetrahydrofuran	7.848	42	61640	23.730	ug/l	99
30) Chloroform	7.972	83	52081	5.002	ug/l	99
31) Cyclohexane	8.266	56	57679	5.732	ug/l	95
32) 1,1,1-Trichloroethane	8.172	97	44378	4.986	ug/l #	87
36) 1,1-Dichloropropene	8.378	75	37333	4.848	ug/l	99
37) Ethyl Acetate	7.572	43	40962	4.972	ug/l	99
38) Carbon Tetrachloride	8.372	117	35775	4.770	ug/l	88
39) Methylcyclohexane	9.601	83	40805	4.527	ug/l	92
40) Benzene	8.613	78	115264	4.936	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	21544m	5.030	ug/l	
42) 1,2-Dichloroethane	8.678	62	43098	5.107	ug/l	100
43) Isopropyl Acetate	8.695	43	60339	4.688	ug/l	98
44) Trichloroethene	9.354	130	26236	4.891	ug/l	96
45) 1,2-Dichloropropane	9.625	63	29945	4.828	ug/l	95
46) Dibromomethane	9.713	93	19230	4.916	ug/l	99
47) Bromodichloromethane	9.889	83	39444	4.808	ug/l	94
48) Methyl methacrylate	9.683	41	27953	4.543	ug/l	98
49) 1,4-Dioxane	9.701	88	10631	101.163	ug/l #	86
51) 4-Methyl-2-Pentanone	10.448	43	193587	24.155	ug/l	99
52) Toluene	10.630	92	67350	4.830	ug/l	98
53) t-1,3-Dichloropropene	10.836	75	35335	4.394	ug/l	99
54) cis-1,3-Dichloropropene	10.313	75	43128	4.754	ug/l	99
55) 1,1,2-Trichloroethane	11.019	97	28764	5.231	ug/l	92
56) Ethyl methacrylate	10.877	69	37016	4.477	ug/l	97
57) 1,3-Dichloropropane	11.166	76	49181	4.886	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.166	63	85380	24.222	ug/l	96
59) 2-Hexanone	11.201	43	137849	23.714	ug/l	97
60) Dibromochloromethane	11.360	129	26525	4.803	ug/l	99
61) 1,2-Dibromoethane	11.471	107	25599	4.695	ug/l	98
64) Tetrachloroethene	11.107	164	20754	4.952	ug/l	94
65) Chlorobenzene	11.895	112	70284	4.892	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.966	131	26131	4.915	ug/l	95
67) Ethyl Benzene	11.966	91	119780	4.590	ug/l	94
68) m/p-Xylenes	12.071	106	88821	9.177	ug/l	98
69) o-Xylene	12.401	106	43790	4.553	ug/l	98
70) Styrene	12.413	104	67890	4.534	ug/l	98
71) Bromoform	12.577	173	16517	4.585	ug/l #	97
73) Isopropylbenzene	12.695	105	110071	4.736	ug/l	99
74) N-amyl acetate	12.495	43	45831	4.556	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.942	83	42748	5.077	ug/l	99
76) 1,2,3-Trichloropropane	12.995	75	32714m	4.876	ug/l	
77) Bromobenzene	12.983	156	26835	5.154	ug/l	92
78) n-propylbenzene	13.036	91	124893	4.655	ug/l	98
79) 2-Chlorotoluene	13.130	91	82647	4.835	ug/l	99
80) 1,3,5-Trimethylbenzene	13.177	105	92440	4.764	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.742	75	11439	4.694	ug/l	98
82) 4-Chlorotoluene	13.224	91	77579	4.772	ug/l	98
83) tert-Butylbenzene	13.442	119	75126	4.611	ug/l	97
84) 1,2,4-Trimethylbenzene	13.483	105	92352	4.769	ug/l	100
85) sec-Butylbenzene	13.618	105	104426	4.506	ug/l	98
86) p-Isopropyltoluene	13.736	119	83881	4.507	ug/l	99
87) 1,3-Dichlorobenzene	13.736	146	46740	4.750	ug/l	99
88) 1,4-Dichlorobenzene	13.813	146	47578	4.860	ug/l	96
89) n-Butylbenzene	14.060	91	69079	4.231	ug/l	99
90) Hexachloroethane	14.336	117	18619	4.921	ug/l	97
91) 1,2-Dichlorobenzene	14.107	146	46902	4.782	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.718	75	7153	4.585	ug/l	94
93) 1,2,4-Trichlorobenzene	15.395	180	17930	4.044	ug/l	96
94) Hexachlorobutadiene	15.507	225	11720	4.800	ug/l	99
95) Naphthalene	15.642	128	53403	4.893	ug/l	99
96) 1,2,3-Trichlorobenzene	15.848	180	18510	4.161	ug/l	99

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

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