

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100522\
 Data File : VN074735.D
 Acq On : 05 Oct 2022 11:32
 Operator : JC\MD
 Sample : VSTDIC001
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/06/2022
 Supervised By : Mahesh Dadoda 10/06/2022

Quant Time: Oct 06 04:37:55 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N100522W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 06 04:37:19 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	317518	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	597203	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	593667	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	281274	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	0.000	65	0d	0.000	ug/l	
Spiked Amount	50.000	Range	74 - 125	Recovery	=	0.000%#
35) Dibromofluoromethane	0.000	113	0d	0.000	ug/l	
Spiked Amount	50.000	Range	75 - 124	Recovery	=	0.000%#
50) Toluene-d8	0.000	98	0d	0.000	ug/l	
Spiked Amount	50.000	Range	86 - 113	Recovery	=	0.000%#
62) 4-Bromofluorobenzene	0.000	95	0d	0.000	ug/l	
Spiked Amount	50.000	Range	83 - 123	Recovery	=	0.000%#
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.148	85	5666	0.870	ug/l	94
3) Chloromethane	2.383	50	11749	1.213	ug/l	91
4) Vinyl Chloride	2.530	62	13439	1.121	ug/l #	69
7) Trichlorofluoromethane	3.512	101	10556m	1.110	ug/l	
8) Diethyl Ether	3.989	74	5986	1.214	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.412	101	6834m	1.181	ug/l	
12) 1,1-Dichloroethene	4.336	96	7321m	1.184	ug/l	
14) Allyl chloride	5.059	41	12392m	0.964	ug/l	
15) Acrylonitrile	5.748	53	28140	5.120	ug/l #	57
16) Acetone	4.465	43	23179	5.437	ug/l #	82
17) Carbon Disulfide	4.730	76	18027	1.070	ug/l #	91
18) Methyl Acetate	5.053	43	18186	1.152	ug/l #	76
19) Methyl tert-butyl Ether	5.824	73	24973	1.042	ug/l #	76
20) Methylene Chloride	5.283	84	10472m	1.328	ug/l	
21) trans-1,2-Dichloroethene	5.806	96	7099m	1.040	ug/l	
22) Diisopropyl ether	6.683	45	28369m	1.064	ug/l	
23) Vinyl Acetate	6.630	43	110390	4.996	ug/l	97
24) 1,1-Dichloroethane	6.583	63	14563	1.050	ug/l #	95
25) 2-Butanone	7.512	43	41569	5.372	ug/l #	89
26) 2,2-Dichloropropane	7.500	77	12904	1.128	ug/l	88
27) cis-1,2-Dichloroethene	7.512	96	8089	1.031	ug/l #	1
28) Bromochloromethane	7.824	49	5960	0.952	ug/l	88
29) Tetrahydrofuran	7.859	42	29004	5.378	ug/l	98
30) Chloroform	7.977	83	13202	1.039	ug/l	95
32) 1,1,1-Trichloroethane	8.177	97	10819	0.999	ug/l #	43
36) 1,1-Dichloropropene	8.394	75	10701m	1.095	ug/l	
37) Ethyl Acetate	7.512	43	41569	1.025	ug/l #	86
38) Carbon Tetrachloride	8.365	117	9824	1.067	ug/l #	88
39) Methylcyclohexane	9.612	83	12646	1.000	ug/l #	89
40) Benzene	8.612	78	32163	1.017	ug/l	93
41) Methacrylonitrile	7.812	41	8510	1.103	ug/l #	76
42) 1,2-Dichloroethane	8.671	62	10689	1.077	ug/l	93
43) Isopropyl Acetate	8.700	43	24793	1.024	ug/l	97
44) Trichloroethene	9.359	130	6945	1.055	ug/l	72
45) 1,2-Dichloropropane	9.636	63	8058	0.941	ug/l #	54
46) Dibromomethane	9.718	93	4133	0.823	ug/l #	67

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
47) Bromodichloromethane	9.894	83	9923	0.967	ug/l	93
48) Methyl methacrylate	9.612	41	8815	0.887	ug/l #	77
49) 1,4-Dioxane	9.706	88	4491	20.849	ug/l #	95
51) 4-Methyl-2-Pentanone	10.447	43	77675	4.983	ug/l	99
52) Toluene	10.635	92	17536	0.923	ug/l	88
53) t-1,3-Dichloropropene	10.835	75	12201	0.998	ug/l #	87
54) cis-1,3-Dichloropropene	10.312	75	13461	1.020	ug/l #	82
55) 1,1,2-Trichloroethane	11.018	97	7398	0.969	ug/l	91
56) Ethyl methacrylate	10.877	69	14128	1.016	ug/l	89
57) 1,3-Dichloropropane	11.165	76	13934	1.012	ug/l	93
58) 2-Chloroethyl Vinyl ether	10.159	63	24253	4.834	ug/l	96
59) 2-Hexanone	11.200	43	57798	4.902	ug/l	98
60) Dibromochloromethane	11.353	129	7134	0.948	ug/l	91
61) 1,2-Dibromoethane	11.477	107	8346	1.075	ug/l	97
64) Tetrachloroethene	11.100	164	5497	1.141	ug/l	87
65) Chlorobenzene	11.894	112	18161	0.999	ug/l	90
66) 1,1,1,2-Tetrachloroethane	11.959	131	7688	1.158	ug/l #	58
67) Ethyl Benzene	11.965	91	33569	0.990	ug/l	98
68) m/p-Xylenes	12.071	106	22047	1.732	ug/l	98
69) o-Xylene	12.400	106	12113	0.928	ug/l	100
70) Styrene	12.412	104	17571	0.854	ug/l #	89
71) Bromoform	12.582	173	5093	1.005	ug/l #	97
73) Isopropylbenzene	12.694	105	27734	1.025	ug/l	99
74) N-amyl acetate	12.494	43	20584	1.258	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.941	83	13525	1.263	ug/l	90
76) 1,2,3-Trichloropropane	13.000	75	6851	0.784	ug/l #	1
77) Bromobenzene	12.982	156	7287	1.303	ug/l	94
78) n-propylbenzene	13.041	91	31728	1.017	ug/l	96
79) 2-Chlorotoluene	13.129	91	21840	1.155	ug/l	94
80) 1,3,5-Trimethylbenzene	13.176	105	19743	0.915	ug/l	86
82) 4-Chlorotoluene	13.224	91	18365	1.048	ug/l	93
83) tert-Butylbenzene	13.441	119	17620	0.945	ug/l	87
84) 1,2,4-Trimethylbenzene	13.482	105	21588	0.989	ug/l	93
85) sec-Butylbenzene	13.618	105	25549	0.943	ug/l	99
86) p-Isopropyltoluene	13.735	119	18512	0.885	ug/l	89
87) 1,3-Dichlorobenzene	13.729	146	12881	1.200	ug/l	88
88) 1,4-Dichlorobenzene	13.812	146	11042m	1.089	ug/l	
89) n-Butylbenzene	14.059	91	17737	0.962	ug/l	95
90) Hexachloroethane	14.335	117	5656	1.209	ug/l	94
91) 1,2-Dichlorobenzene	14.112	146	10637	1.029	ug/l	89
92) 1,2-Dibromo-3-Chloropr...	14.718	75	2753m	1.219	ug/l	
93) 1,2,4-Trichlorobenzene	15.382	180	4636	1.025	ug/l	92
94) Hexachlorobutadiene	15.506	225	2243	1.060	ug/l	91
95) Naphthalene	15.641	128	18382	0.940	ug/l #	88
96) 1,2,3-Trichlorobenzene	15.841	180	6602	1.359	ug/l	80

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

