

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042622\
 Data File : VN072198.D
 Acq On : 26 Apr 2022 14:49
 Operator : JC\MD
 Sample : VSTDICC001
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC001

Manual Integrations
 APPROVED

Reviewed By :John Carlone 04/27/2022
 Supervised By :Mahesh Dadoda 04/27/2022

Quant Time: Apr 26 16:52:21 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042622W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 26 16:51:57 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.081	168	265238	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.963	114	473011	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	403094	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.669	152	119839	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	61 - 141	Recovery	=	0.000%#
35) Dibromofluoromethane	0.000	113	0d	0.000	ug/l	
Spiked Amount	50.000	Range	69 - 133	Recovery	=	0.000%#
50) Toluene-d8	0.000	98	0d	0.000	ug/l	
Spiked Amount	50.000	Range	65 - 126	Recovery	=	0.000%#
62) 4-Bromofluorobenzene	0.000	95	0d	0.000	ug/l	
Spiked Amount	50.000	Range	58 - 135	Recovery	=	0.000%#

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.069	85	4032	1.824	ug/l	90
3) Chloromethane	2.299	50	6061	2.182	ug/l	96
4) Vinyl Chloride	2.446	62	3394	1.180	ug/l	# 65
6) Chloroethane	3.022	64	2514	1.219	ug/l	93
7) Trichlorofluoromethane	3.375	101	6024	1.556	ug/l	90
8) Diethyl Ether	3.822	74	1786	1.107	ug/l	56
9) 1,1,2-Trichlorotrifluo...	4.204	101	2854m	1.224	ug/l	
12) 1,1-Dichloroethene	4.181	96	2681	1.210	ug/l	97
14) Allyl chloride	4.846	41	5631m	1.492	ug/l	
15) Acrylonitrile	5.557	53	9602	6.387	ug/l	98
16) Acetone	4.299	43	10249	7.557	ug/l	99
17) Carbon Disulfide	4.528	76	8163	1.587	ug/l	# 93
18) Methyl Acetate	4.863	43	7817	1.891	ug/l	91
19) Methyl tert-butyl Ether	5.622	73	9870	1.184	ug/l	# 80
20) Methylene Chloride	5.087	84	4044	1.457	ug/l	# 85
21) trans-1,2-Dichloroethene	5.598	96	3136	1.290	ug/l	86
22) Diisopropyl ether	6.498	45	11084	1.370	ug/l	# 93
23) Vinyl Acetate	6.434	43	43756	6.750	ug/l	# 87
24) 1,1-Dichloroethane	6.381	63	6626	1.411	ug/l	# 84
25) 2-Butanone	7.340	43	15905	8.012	ug/l	# 88
26) 2,2-Dichloropropane	7.316	77	5038	1.270	ug/l	99
27) cis-1,2-Dichloroethene	7.322	96	3846	1.296	ug/l	86
28) Bromochloromethane	7.663	49	2904	1.456	ug/l	# 73
29) Tetrahydrofuran	7.687	42	9045	7.030	ug/l	# 87
30) Chloroform	7.810	83	6994	1.431	ug/l	95
32) 1,1,1-Trichloroethane	8.016	97	5474	1.301	ug/l	# 51
36) 1,1-Dichloropropene	8.228	75	4650	1.183	ug/l	93
37) Ethyl Acetate	7.410	43	6060	1.372	ug/l	# 90
38) Carbon Tetrachloride	8.204	117	5540	1.431	ug/l	90
39) Methylcyclohexane	9.457	83	5065	1.095	ug/l	98
40) Benzene	8.457	78	14595	1.181	ug/l	99
41) Methacrylonitrile	7.634	41	3010	1.360	ug/l	# 77
42) 1,2-Dichloroethane	8.522	62	5546	1.274	ug/l	86
43) Isopropyl Acetate	8.557	43	12573	1.713	ug/l	# 78
44) Trichloroethene	9.210	130	3663	1.178	ug/l	98
45) 1,2-Dichloropropane	9.492	63	4163	1.331	ug/l	93

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) Dibromomethane	9.581	93	2264	1.080	ug/l	92
47) Bromodichloromethane	9.757	83	4928	1.184	ug/l	99
48) Methyl methacrylate	9.557	41	3782	1.223	ug/l	91
49) 1,4-Dioxane	9.563	88	1078	14.319	ug/l #	55
51) 4-Methyl-2-Pentanone	10.328	43	23824	5.586	ug/l	90
52) Toluene	10.504	92	7282	0.936	ug/l	96
53) t-1,3-Dichloropropene	10.710	75	4342	0.999	ug/l	97
54) cis-1,3-Dichloropropene	10.192	75	4718	0.986	ug/l #	86
55) 1,1,2-Trichloroethane	10.892	97	3480	1.089	ug/l #	77
56) Ethyl methacrylate	10.757	69	3910	0.845	ug/l #	82
57) 1,3-Dichloropropane	11.039	76	5996	1.112	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.039	63	3920	3.661	ug/l #	82
59) 2-Hexanone	11.086	43	16667	5.545	ug/l	83
60) Dibromochloromethane	11.233	129	3404	1.089	ug/l	96
61) 1,2-Dibromoethane	11.345	107	3307	1.053	ug/l	87
64) Tetrachloroethene	10.975	164	2721	1.046	ug/l	95
65) Chlorobenzene	11.769	112	9112	1.140	ug/l	90
66) 1,1,1,2-Tetrachloroethane	11.828	131	3160	1.087	ug/l #	63
67) Ethyl Benzene	11.839	91	12868	0.943	ug/l	94
68) m/p-Xylenes	11.945	106	9818	1.886	ug/l	98
69) o-Xylene	12.280	106	4718	0.913	ug/l	89
70) Styrene	12.286	104	6944	0.887	ug/l	96
71) Bromoform	12.451	173	2091	0.958	ug/l #	98
73) Isopropylbenzene	12.575	105	9943	0.981	ug/l	100
74) N-amyl acetate	12.380	43	3996	1.325	ug/l #	86
75) 1,1,2,2-Tetrachloroethane	12.822	83	5361	1.572	ug/l	96
76) 1,2,3-Trichloropropane	12.880	75	3831m	1.341	ug/l	
77) Bromobenzene	12.857	156	3059	1.225	ug/l	86
78) n-propylbenzene	12.916	91	10566	0.986	ug/l	91
79) 2-Chlorotoluene	13.004	91	7441	1.080	ug/l	96
80) 1,3,5-Trimethylbenzene	13.051	105	7816	0.967	ug/l	96
82) 4-Chlorotoluene	13.098	91	7051	1.103	ug/l	92
83) tert-Butylbenzene	13.316	119	7258	0.990	ug/l	88
84) 1,2,4-Trimethylbenzene	13.363	105	7109	0.900	ug/l	91
85) sec-Butylbenzene	13.498	105	8568	0.901	ug/l	94
86) p-Isopropyltoluene	13.610	119	6263	0.827	ug/l	93
87) 1,3-Dichlorobenzene	13.616	146	4140	1.037	ug/l	92
88) 1,4-Dichlorobenzene	13.698	146	4142m	1.063	ug/l	
89) n-Butylbenzene	13.933	91	5282	0.933	ug/l	96
90) Hexachloroethane	14.198	117	2001	1.433	ug/l	83
91) 1,2-Dichlorobenzene	13.986	146	4404	1.121	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.598	75	811	1.489	ug/l	78
93) 1,2,4-Trichlorobenzene	15.263	180	1544	1.012	ug/l	83
94) Hexachlorobutadiene	15.363	225	1289	1.134	ug/l	88
95) Naphthalene	15.498	128	3670	0.954	ug/l #	80
96) 1,2,3-Trichlorobenzene	15.692	180	1275m	0.897	ug/l	

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

Manual Integrations

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