

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120221\
 Data File : VN069705.D
 Acq On : 2 Dec 2021 19:46
 Operator : JC/MD
 Sample : VSTDICC150
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/03/2021
 Supervised By : Mahesh Dadoda 12/06/2021

Quant Time: Dec 03 07:50:37 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 03 07:46:09 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.085	168	1199484	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2034842	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	2011673	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	876612	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	2839071	157.243	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 314.480%#			
35) Dibromofluoromethane	8.021	113	1961368	156.000	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 312.000%#			
50) Toluene-d8	10.443	98	7846891	158.853	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 317.700%#			
62) 4-Bromofluorobenzene	12.733	95	3135357	173.532	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 347.060%#			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.070	85	2271872	171.776	ug/l	100
3) Chloromethane	2.298	50	2556711	164.286	ug/l	99
4) Vinyl Chloride	2.443	62	2452474	160.478	ug/l	98
5) Bromomethane	2.815	94	1215779	124.576	ug/l	99
6) Chloroethane	2.976	64	1427068	140.516	ug/l	99
7) Trichlorofluoromethane	3.352	101	3168076	138.280	ug/l	99
8) Diethyl Ether	3.816	74	1264380	164.133	ug/l	84
9) 1,1,2-Trichlorotrifluo...	4.191	101	1786271	160.232	ug/l	97
10) Methyl Iodide	4.406	142	2673344	187.180	ug/l	98
11) Tert butyl alcohol	5.398	59	2885181	879.009	ug/l	99
12) 1,1-Dichloroethene	4.164	96	1775623	175.339	ug/l	90
13) Acrolein	4.036	56	2269057	2248.466	ug/l	99
14) Allyl chloride	4.830	41	4117454	182.924	ug/l	93
15) Acrylonitrile	5.554	53	7287346	867.951	ug/l	98
16) Acetone	4.288	43	7692931	781.805	ug/l	97
17) Carbon Disulfide	4.516	76	5007396	204.167	ug/l	99
18) Methyl Acetate	4.851	43	4988010	158.488	ug/l	92
19) Methyl tert-butyl Ether	5.618	73	7054752	166.973	ug/l	96
20) Methylene Chloride	5.087	84	2166996	157.827	ug/l	87
21) trans-1,2-Dichloroethene	5.589	96	1913516	169.604	ug/l	87
22) Diisopropyl ether	6.498	45	7991850	167.488	ug/l	94
23) Vinyl Acetate	6.423	43	32151031m	860.953	ug/l	
24) 1,1-Dichloroethane	6.382	63	4089580	167.842	ug/l	99
25) 2-Butanone	7.337	43	11400570	855.018	ug/l	92
26) 2,2-Dichloropropane	7.324	77	3219588	170.669	ug/l	96
27) cis-1,2-Dichloroethene	7.324	96	2315424	166.521	ug/l	86
28) Bromochloromethane	7.656	49	2150388	171.410	ug/l #	79
29) Tetrahydrofuran	7.686	42	7250912	889.392	ug/l	89
30) Chloroform	7.817	83	4067338	163.655	ug/l	100
31) Cyclohexane	8.094	56	3821023	154.618	ug/l	88
32) 1,1,1-Trichloroethane	8.013	97	3622397	173.939	ug/l	97
36) 1,1-Dichloropropene	8.220	75	3032730	171.699	ug/l	96
37) Ethyl Acetate	7.415	43	4294857	176.999	ug/l	97
38) Carbon Tetrachloride	8.206	117	3054530	178.729	ug/l	99
39) Methylcyclohexane	9.459	83	3670023	168.526	ug/l	90
40) Benzene	8.458	78	8942922	164.144	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.638	41	2260390	180.417	ug/l #	86
42) 1,2-Dichloroethane	8.531	62	3590463	167.489	ug/l	97
43) Isopropyl Acetate	8.563	43	6836936	177.728	ug/l	94
44) Trichloroethene	9.215	130	2213929	169.659	ug/l	92
45) 1,2-Dichloropropane	9.491	63	2423975	166.929	ug/l	100
46) Dibromomethane	9.577	93	1589298	163.633	ug/l	94
47) Bromodichloromethane	9.762	83	3236770	178.571	ug/l	100
48) Methyl methacrylate	9.561	41	3474243	193.503	ug/l #	81
49) 1,4-Dioxane	9.571	88	1118466	3464.651	ug/l #	86
51) 4-Methyl-2-Pentanone	10.325	43	19513114m	783.187	ug/l	
52) Toluene	10.507	92	5654315	167.608	ug/l	98
53) t-1,3-Dichloropropene	10.719	75	3758724	197.609	ug/l	99
54) cis-1,3-Dichloropropene	10.191	75	3877492	186.809	ug/l	89
55) 1,1,2-Trichloroethane	10.899	97	2286612	168.404	ug/l	98
56) Ethyl methacrylate	10.762	69	4312642	190.324	ug/l #	87
57) 1,3-Dichloropropane	11.044	76	3994260	166.703	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.043	63	6041417	1123.716	ug/l	92
59) 2-Hexanone	11.084	43	16374272	880.582	ug/l	97
60) Dibromochloromethane	11.240	129	2447498	191.712	ug/l	99
61) 1,2-Dibromoethane	11.347	107	2469925	178.957	ug/l	100
64) Tetrachloroethene	10.979	164	1942231	154.847	ug/l	95
65) Chlorobenzene	11.771	112	6168555	160.569	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.843	131	2250139	168.445	ug/l	99
67) Ethyl Benzene	11.846	91	11375304	160.376	ug/l	97
68) m/p-Xylenes	11.953	106	8530811	328.288	ug/l	97
69) o-Xylene	12.280	106	4367575	168.447	ug/l	93
70) Styrene	12.296	104	7340445	176.153	ug/l	95
71) Bromoform	12.460	173	1933479	201.029	ug/l #	100
73) Isopropylbenzene	12.580	105	11339478	158.052	ug/l	99
74) N-amyl acetate	12.387	43	5568336	181.407	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.827	83	3553680	146.157	ug/l	99
76) 1,2,3-Trichloropropane	12.881	75	3536585m	155.916	ug/l	
77) Bromobenzene	12.862	156	2674337	162.287	ug/l	79
78) n-propylbenzene	12.921	91	13202730	163.499	ug/l	97
79) 2-Chlorotoluene	13.010	91	8109131	161.789	ug/l	93
80) 1,3,5-Trimethylbenzene	13.061	105	9418412	162.224	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.626	75	1223381	191.917	ug/l	99
82) 4-Chlorotoluene	13.106	91	7883658	165.188	ug/l	93
83) tert-Butylbenzene	13.323	119	8234604	161.949	ug/l	92
84) 1,2,4-Trimethylbenzene	13.369	105	9061123	161.835	ug/l	98
85) sec-Butylbenzene	13.503	105	11590876	163.728	ug/l	98
86) p-Isopropyltoluene	13.616	119	9281342	165.603	ug/l	96
87) 1,3-Dichlorobenzene	13.616	146	4434611	156.706	ug/l	96
88) 1,4-Dichlorobenzene	13.696	146	4338318	156.594	ug/l	98
89) n-Butylbenzene	13.943	91	8043910	172.955	ug/l	97
90) Hexachloroethane	14.211	117	1692599	181.891	ug/l	88
91) 1,2-Dichlorobenzene	13.989	146	4169345	154.530	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.605	75	792655	198.576	ug/l	80
93) 1,2,4-Trichlorobenzene	15.265	180	2276642	192.574	ug/l	98
94) Hexachlorobutadiene	15.370	225	1067408	151.806	ug/l	99
95) Naphthalene	15.507	128	6928903	214.810	ug/l	100
96) 1,2,3-Trichlorobenzene	15.702	180	2200283	192.838	ug/l	98

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

