

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122821\
 Data File : VN070338.D
 Acq On : 28 Dec 2021 20:53
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/29/2021
 Supervised By : Mahesh Dadoda 12/30/2021

Quant Time: Dec 28 21:15:22 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122721W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 27 18:47:12 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.086	168	868704	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1473395	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1335005	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	520701	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	729097	58.373	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 116.740%			
35) Dibromofluoromethane	8.024	113	512787	57.521	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 115.040%			
50) Toluene-d8	10.443	98	1830484	50.263	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 100.520%			
62) 4-Bromofluorobenzene	12.731	95	632371	48.077	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 96.160%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.075	85	173073	17.568	ug/l	98
3) Chloromethane	2.306	50	274896	20.513	ug/l	100
4) Vinyl Chloride	2.448	62	226016	18.524	ug/l	99
5) Bromomethane	2.856	94	138801	22.041	ug/l	99
6) Chloroethane	3.022	64	142950	19.455	ug/l	97
7) Trichlorofluoromethane	3.376	101	249549	16.993	ug/l	96
8) Diethyl Ether	3.824	74	142779	22.054	ug/l	80
9) 1,1,2-Trichlorotrifluo...	4.207	101	161336	17.962	ug/l	95
10) Methyl Iodide	4.419	142	258953	21.303	ug/l #	94
11) Tert butyl alcohol	5.382	59	274185	131.839	ug/l	95
12) 1,1-Dichloroethene	4.181	96	162511	18.368	ug/l	90
13) Acrolein	4.041	56	194128	115.043	ug/l	96
14) Allyl chloride	4.840	41	411850	20.532	ug/l #	86
15) Acrylonitrile	5.559	53	798321	123.012	ug/l	99
16) Acetone	4.291	43	763834	94.206	ug/l	97
17) Carbon Disulfide	4.529	76	472942	19.583	ug/l	100
18) Methyl Acetate	4.857	43	562706	23.992	ug/l	91
19) Methyl tert-butyl Ether	5.618	73	735025	22.371	ug/l	94
20) Methylene Chloride	5.095	84	242164	21.587	ug/l	88
21) trans-1,2-Dichloroethene	5.597	96	183788	19.620	ug/l #	84
22) Diisopropyl ether	6.498	45	867582	22.206	ug/l #	92
23) Vinyl Acetate	6.436	43	3564394	117.585	ug/l #	94
24) 1,1-Dichloroethane	6.388	63	418262	20.646	ug/l	98
25) 2-Butanone	7.340	43	1150194	112.663	ug/l	91
26) 2,2-Dichloropropane	7.327	77	275432	17.234	ug/l	97
27) cis-1,2-Dichloroethene	7.327	96	234575	20.986	ug/l	88
28) Bromochloromethane	7.657	49	204508	20.642	ug/l #	76
29) Tetrahydrofuran	7.686	42	760854	124.912	ug/l	87
30) Chloroform	7.820	83	411435	21.052	ug/l	99
31) Cyclohexane	8.096	56	354131	17.967	ug/l	89
32) 1,1,1-Trichloroethane	8.016	97	314475	19.084	ug/l	96
36) 1,1-Dichloropropene	8.222	75	258593	17.535	ug/l	96
37) Ethyl Acetate	7.415	43	454237	23.762	ug/l	96
38) Carbon Tetrachloride	8.206	117	262415	18.635	ug/l	98
39) Methylcyclohexane	9.459	83	296042	16.581	ug/l #	87
40) Benzene	8.461	78	889642	19.677	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.638	41	237921	24.884	ug/l #	86
42) 1,2-Dichloroethane	8.531	62	356412	20.973	ug/l	98
43) Isopropyl Acetate	8.563	43	688327	22.839	ug/l #	93
44) Trichloroethene	9.217	130	192881	17.954	ug/l	91
45) 1,2-Dichloropropane	9.491	63	255953	21.026	ug/l	100
46) Dibromomethane	9.577	93	164905	21.785	ug/l	94
47) Bromodichloromethane	9.762	83	333695	22.202	ug/l	99
48) Methyl methacrylate	9.561	41	315914	21.976	ug/l	85
49) 1,4-Dioxane	9.571	88	107474	510.726	ug/l #	85
51) 4-Methyl-2-Pentanone	10.330	43	2269773	119.855	ug/l	96
52) Toluene	10.505	92	514951	18.817	ug/l	98
53) t-1,3-Dichloropropene	10.719	75	336650	20.690	ug/l	99
54) cis-1,3-Dichloropropene	10.191	75	366969	20.849	ug/l	94
55) 1,1,2-Trichloroethane	10.899	97	234542	21.661	ug/l	97
56) Ethyl methacrylate	10.762	69	382286	21.367	ug/l #	89
57) 1,3-Dichloropropane	11.047	76	407733	21.290	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.041	63	435679	106.788	ug/l	90
59) 2-Hexanone	11.087	43	1641040	118.827	ug/l	93
60) Dibromochloromethane	11.240	129	245902	23.276	ug/l	99
61) 1,2-Dibromoethane	11.347	107	236484	21.510	ug/l	99
64) Tetrachloroethene	10.977	164	167091	17.284	ug/l	95
65) Chlorobenzene	11.771	112	531987	18.781	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.840	131	208887	20.657	ug/l	99
67) Ethyl Benzene	11.843	91	946920	18.245	ug/l	96
68) m/p-Xylenes	11.953	106	694758	36.776	ug/l	93
69) o-Xylene	12.280	106	346845	18.458	ug/l	93
70) Styrene	12.294	104	567425	19.079	ug/l	96
71) Bromoform	12.457	173	185365	24.699	ug/l #	98
73) Isopropylbenzene	12.578	105	872698	18.048	ug/l	98
74) N-amyl acetate	12.387	43	444420	21.859	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.827	83	373956	22.495	ug/l	97
76) 1,2,3-Trichloropropane	12.881	75	352187m	24.331	ug/l	
77) Bromobenzene	12.860	156	213948	19.272	ug/l	73
78) n-propylbenzene	12.921	91	972434	18.151	ug/l	97
79) 2-Chlorotoluene	13.007	91	620679	18.056	ug/l	92
80) 1,3,5-Trimethylbenzene	13.061	105	710922	18.347	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.626	75	102631	24.081	ug/l	97
82) 4-Chlorotoluene	13.106	91	587615	18.249	ug/l	92
83) tert-Butylbenzene	13.323	119	594486	17.423	ug/l	93
84) 1,2,4-Trimethylbenzene	13.369	105	704364	18.877	ug/l	97
85) sec-Butylbenzene	13.503	105	830882	17.936	ug/l	97
86) p-Isopropyltoluene	13.616	119	658966	18.109	ug/l	97
87) 1,3-Dichlorobenzene	13.616	146	344937	18.561	ug/l	98
88) 1,4-Dichlorobenzene	13.694	146	332600	18.143	ug/l	97
89) n-Butylbenzene	13.943	91	513785	16.928	ug/l	97
90) Hexachloroethane	14.211	117	138700	21.941	ug/l	92
91) 1,2-Dichlorobenzene	13.989	146	342367	18.792	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.603	75	69935	24.966	ug/l	80
93) 1,2,4-Trichlorobenzene	15.265	180	156810	18.267	ug/l	97
94) Hexachlorobutadiene	15.370	225	98674	19.778	ug/l	99
95) Naphthalene	15.507	128	441868	19.752	ug/l	100
96) 1,2,3-Trichlorobenzene	15.702	180	157556	19.697	ug/l	98

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

