

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051921\
 Data File : VN067155.D
 Acq On : 19 May 2021 16:56
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

SAM
 5/20/2021 6:04:23 PM

Quant Time: May 20 01:57:15 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051421W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 18 04:00:15 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.594	168	559604	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.525	114	788715	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.357	117	720145	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.299	152	355835	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.959	65	274124	45.34	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 90.68%			
35) Dibromofluoromethane	7.519	113	259959	50.19	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 100.38%			
50) Toluene-d8	10.037	98	980844	49.97	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 99.94%			
62) 4-Bromofluorobenzene	12.355	95	347929	52.92	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 105.84%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.852	85	223404	43.87	ug/l	97
3) Chloromethane	2.056	50	264624	42.83	ug/l	100
4) Vinyl Chloride	2.179	62	283819	45.91	ug/l	98
5) Bromomethane	2.512	94	177826	41.51	ug/l	99
6) Chloroethane	2.662	64	156512	42.52	ug/l	99
7) Trichlorofluoromethane	2.981	101	382467	47.83	ug/l	99
8) Diethyl Ether	3.370	74	158648	46.65	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.703	101	244282	47.78	ug/l	98
10) Methyl Iodide	3.896	142	406042	48.19	ug/l	100
11) Tert butyl alcohol	4.724	59	256717	254.75	ug/l #	87
12) 1,1-Dichloroethene	3.684	96	231022	43.91	ug/l	98
13) Acrolein	3.560	56	80940	261.20	ug/l	97
14) Allyl chloride	4.258	41	364562	44.95	ug/l	99
15) Acrylonitrile	4.907	53	552999	245.52	ug/l	98
16) Acetone	3.770	43	460324	244.99	ug/l	99
17) Carbon Disulfide	3.995	76	586224	41.58	ug/l	98
18) Methyl Acetate	4.266	43	283450	50.73	ug/l	100
19) Methyl tert-butyl Ether	4.969	73	734621	46.14	ug/l	99
20) Methylene Chloride	4.483	84	272174	44.28	ug/l	97
21) trans-1,2-Dichloroethene	4.960	96	254025	45.20	ug/l	98
22) Diisopropyl ether	5.875	45	684971	45.73	ug/l	96
23) Vinyl Acetate	5.813	43	3068410	234.67	ug/l	99
24) 1,1-Dichloroethane	5.765	63	459237	45.31	ug/l	99
25) 2-Butanone	6.755	43	753153	257.05	ug/l	100
26) 2,2-Dichloropropane	6.741	77	409764	43.96	ug/l	99
27) cis-1,2-Dichloroethene	6.747	96	307770	45.85	ug/l	97
28) Bromochloromethane	7.117	49	197030	46.85	ug/l	94
29) Tetrahydrofuran	7.136	42	451435	248.12	ug/l	100
30) Chloroform	7.296	83	477664	46.02	ug/l	96
31) Cyclohexane	7.583	56	346755	41.63	ug/l	98
32) 1,1,1-Trichloroethane	7.495	97	428045	45.80	ug/l	99
36) 1,1-Dichloropropene	7.723	75	350813	48.76	ug/l	98
37) Ethyl Acetate	6.851	43	320938	50.51	ug/l	99
38) Carbon Tetrachloride	7.704	117	382046	49.88	ug/l	99
39) Methylcyclohexane	9.021	83	408441	48.49	ug/l	98
40) Benzene	7.975	78	1085437	49.67	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.093	41	140433	54.75	ug/l	96
42) 1,2-Dichloroethane	8.058	62	350632	49.89	ug/l	99
43) Isopropyl Acetate	8.101	43	540005	51.20	ug/l	99
44) Trichloroethene	8.777	130	325411	52.38	ug/l	99
45) 1,2-Dichloropropane	9.059	63	278249	48.70	ug/l	95
46) Dibromomethane	9.150	93	192474	50.47	ug/l	95
47) Bromodichloromethane	9.345	83	395820	50.09	ug/l	99
48) Methyl methacrylate	9.144	41	241220	47.68	ug/l	98
49) 1,4-Dioxane	9.144	88	86579	1153.59	ug/l	95
51) 4-Methyl-2-Pentanone	9.927	43	1616700	254.89	ug/l	100
52) Toluene	10.102	92	715525	50.69	ug/l	100
53) t-1,3-Dichloropropene	10.330	75	437767	51.96	ug/l	99
54) cis-1,3-Dichloropropene	9.783	75	477524	50.43	ug/l	99
55) 1,1,2-Trichloroethane	10.509	97	292983	52.25	ug/l	99
56) Ethyl methacrylate	10.378	69	412814	47.93	ug/l	99
57) 1,3-Dichloropropane	10.654	76	469488	52.37	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.640	63	335540	269.41	ug/l	99
59) 2-Hexanone	10.700	43	1034632	252.62	ug/l	98
60) Dibromochloromethane	10.850	129	359395	54.42	ug/l	98
61) 1,2-Dibromoethane	10.955	107	305948	53.18	ug/l	100
64) Tetrachloroethene	10.579	164	332379	52.59	ug/l	98
65) Chlorobenzene	11.384	112	829809	51.67	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.459	131	326283	51.25	ug/l	99
67) Ethyl Benzene	11.464	91	1368192	50.58	ug/l	99
68) m/p-Xylenes	11.572	106	1094417	104.71	ug/l	97
69) o-Xylene	11.899	106	541248	51.44	ug/l	97
70) Styrene	11.918	104	857548	52.36	ug/l	99
71) Bromoform	12.081	173	282555	51.18	ug/l #	99
73) Isopropylbenzene	12.202	105	1409968	47.44	ug/l	99
74) N-amyl acetate	12.033	43	207797	41.99	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.457	83	406741	45.16	ug/l	99
76) 1,2,3-Trichloropropane	12.508	75	353298m	47.05	ug/l	
77) Bromobenzene	12.478	156	374772	50.70	ug/l	95
78) n-propylbenzene	12.545	91	1492846	49.65	ug/l	100
79) 2-Chlorotoluene	12.628	91	906055	45.54	ug/l	97
80) 1,3,5-Trimethylbenzene	12.687	105	1155203	46.59	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.255	75	103095	42.85	ug/l	98
82) 4-Chlorotoluene	12.727	91	883976	46.53	ug/l	98
83) tert-Butylbenzene	12.947	119	1042095	44.51	ug/l	98
84) 1,2,4-Trimethylbenzene	12.996	105	1090072	47.68	ug/l	99
85) sec-Butylbenzene	13.127	105	1370115	49.00	ug/l	99
86) p-Isopropyltoluene	13.245	119	1186597	48.90	ug/l	99
87) 1,3-Dichlorobenzene	13.237	146	606357	50.52	ug/l	99
88) 1,4-Dichlorobenzene	13.320	146	606002	48.48	ug/l	97
89) n-Butylbenzene	13.572	91	852730	46.34	ug/l	99
90) Hexachloroethane	13.827	117	212863	47.93	ug/l	90
91) 1,2-Dichlorobenzene	13.610	146	583345	46.87	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.235	75	63144	47.54	ug/l	91
93) 1,2,4-Trichlorobenzene	14.868	180	349414	55.37	ug/l	99
94) Hexachlorobutadiene	14.964	225	217484	50.04	ug/l	100
95) Naphthalene	15.088	128	698822	46.46	ug/l	100
96) 1,2,3-Trichlorobenzene	15.267	180	327991	56.35	ug/l	98

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

