

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050421\
 Data File : VN066929.D
 Acq On : 4 May 2021 11:29
 Operator : JC/MD
 Sample : VSTDIC040
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC040

Manual Integrations
 APPROVED

MMDadoda
 5/5/2021 5:32:54 PM

Quant Time: May 04 12:28:55 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N050421W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 04 12:26:36 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.589	168	507093	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.520	114	842974	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.349	117	803299	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.289	152	377820	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.957	65	306349	38.15	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	76.30%		
35) Dibromofluoromethane	7.514	113	221071	38.59	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	77.18%		
50) Toluene-d8	10.030	98	868161	40.04	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	80.08%		
62) 4-Bromofluorobenzene	12.347	95	313337	42.04	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	84.08%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.837	85	273729	40.05	ug/l	98
3) Chloromethane	2.035	50	383286	37.38	ug/l	99
4) Vinyl Chloride	2.164	62	376289	40.20	ug/l	99
5) Bromomethane	2.507	94	201693	40.58	ug/l	97
6) Chloroethane	2.655	64	220622	40.41	ug/l	99
7) Trichlorofluoromethane	2.968	101	444936	40.72	ug/l	99
8) Diethyl Ether	3.357	74	160754	39.55	ug/l	87
9) 1,1,2-Trichlorotrifluo...	3.695	101	228120	40.25	ug/l	93
10) Methyl Iodide	3.883	142	305505	40.53	ug/l	90
11) Tert butyl alcohol	4.709	59	227433	191.97	ug/l	100
12) 1,1-Dichloroethene	3.671	96	219130	40.04	ug/l	86
13) Acrolein	3.545	56	185071	175.08	ug/l	96
14) Allyl chloride	4.245	41	449077	40.86	ug/l	92
15) Acrylonitrile	4.897	53	690083	205.57	ug/l	98
16) Acetone	3.757	43	559834	183.88	ug/l	98
17) Carbon Disulfide	3.982	76	682781	38.48	ug/l	99
18) Methyl Acetate	4.253	43	335421	39.71	ug/l	97
19) Methyl tert-butyl Ether	4.956	73	823660	42.63	ug/l	97
20) Methylene Chloride	4.473	84	283940	37.12	ug/l	93
21) trans-1,2-Dichloroethene	4.953	96	245445	41.25	ug/l #	83
22) Diisopropyl ether	5.868	45	915302	42.36	ug/l	96
23) Vinyl Acetate	5.806	43	3731486	210.31	ug/l	96
24) 1,1-Dichloroethane	5.760	63	519742	39.93	ug/l	97
25) 2-Butanone	6.747	43	838125	203.38	ug/l	94
26) 2,2-Dichloropropane	6.736	77	441322	44.30	ug/l	96
27) cis-1,2-Dichloroethene	6.745	96	283817	41.94	ug/l	87
28) Bromochloromethane	7.112	49	225481	37.07	ug/l #	81
29) Tetrahydrofuran	7.131	42	565374	204.29	ug/l	95
30) Chloroform	7.292	83	493013	39.62	ug/l	99
31) Cyclohexane	7.579	56	436390	38.94	ug/l	94
32) 1,1,1-Trichloroethane	7.490	97	426582	39.99	ug/l	98
36) 1,1-Dichloropropene	7.715	75	356270	41.63	ug/l	96
37) Ethyl Acetate	6.844	43	374320	39.54	ug/l	98
38) Carbon Tetrachloride	7.697	117	371643	40.97	ug/l	99
39) Methylcyclohexane	9.016	83	408115	44.30	ug/l	92
40) Benzene	7.970	78	1127652	41.45	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.088	41	142645	36.01	ug/l #	100
42) 1,2-Dichloroethane	8.051	62	400242	41.08	ug/l	98
43) Isopropyl Acetate	8.096	43	594384	41.25	ug/l #	89
44) Trichloroethene	8.769	130	246132	41.25	ug/l	96
45) 1,2-Dichloropropane	9.054	63	314589	41.03	ug/l	100
46) Dibromomethane	9.145	93	185109	41.25	ug/l	92
47) Bromodichloromethane	9.341	83	404436	41.53	ug/l	98
48) Methyl methacrylate	9.137	41	271340	43.12	ug/l	93
49) 1,4-Dioxane	9.137	88	84192	859.02	ug/l	90
51) 4-Methyl-2-Pentanone	9.923	43	1777562	217.23	ug/l	97
52) Toluene	10.094	92	677544	43.77	ug/l	97
53) t-1,3-Dichloropropene	10.325	75	435066	44.78	ug/l	97
54) cis-1,3-Dichloropropene	9.778	75	482091	44.76	ug/l	99
55) 1,1,2-Trichloroethane	10.502	97	265450	41.48	ug/l	96
56) Ethyl methacrylate	10.371	69	377438	47.48	ug/l	96
57) 1,3-Dichloropropane	10.647	76	469338	42.49	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.636	63	321945	218.51	ug/l	92
59) 2-Hexanone	10.695	43	1138987	239.18	ug/l	98
60) Dibromochloromethane	10.843	129	298718	43.10	ug/l	99
61) 1,2-Dibromoethane	10.947	107	259467	42.58	ug/l	98
64) Tetrachloroethene	10.572	164	216616	39.92	ug/l	96
65) Chlorobenzene	11.376	112	686322	41.04	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.451	131	268218	41.02	ug/l	100
67) Ethyl Benzene	11.454	91	1264594	44.23	ug/l	97
68) m/p-Xylenes	11.564	106	949398	91.69	ug/l	95
69) o-Xylene	11.891	106	459488	44.83	ug/l	95
70) Styrene	11.910	104	744480	47.97	ug/l	96
71) Bromoform	12.074	173	199652	44.61	ug/l #	99
73) Isopropylbenzene	12.194	105	1234519	44.07	ug/l	99
74) N-amyl acetate	12.025	43	191345	35.60	ug/l	91
75) 1,1,2,2-Tetrachloroethane	12.449	83	418877	40.73	ug/l	98
76) 1,2,3-Trichloropropane	12.500	75	386385m	42.51	ug/l	
77) Bromobenzene	12.471	156	286880	43.55	ug/l	83
78) n-propylbenzene	12.538	91	1423087	46.26	ug/l	97
79) 2-Chlorotoluene	12.618	91	881431	44.22	ug/l	95
80) 1,3,5-Trimethylbenzene	12.680	105	1062521	44.41	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.248	75	110949	47.51	ug/l	95
82) 4-Chlorotoluene	12.717	91	868390	43.67	ug/l	94
83) tert-Butylbenzene	12.937	119	895834	41.40	ug/l	96
84) 1,2,4-Trimethylbenzene	12.985	105	1026488	45.20	ug/l	99
85) sec-Butylbenzene	13.117	105	1175834	44.96	ug/l	97
86) p-Isopropyltoluene	13.235	119	1011956	45.20	ug/l	98
87) 1,3-Dichlorobenzene	13.230	146	497841	43.45	ug/l	97
88) 1,4-Dichlorobenzene	13.307	146	499344	39.71	ug/l	96
89) n-Butylbenzene	13.562	91	795529	43.98	ug/l	97
90) Hexachloroethane	13.817	117	216196	39.04	ug/l	98
91) 1,2-Dichlorobenzene	13.600	146	500417	41.37	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.219	75	70002	34.21	ug/l	79
93) 1,2,4-Trichlorobenzene	14.855	180	264164	43.44	ug/l	99
94) Hexachlorobutadiene	14.949	225	157318	39.83	ug/l	98
95) Naphthalene	15.072	128	695786	43.64	ug/l	100
96) 1,2,3-Trichlorobenzene	15.252	180	253052	43.14	ug/l	98

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

