

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN030221\
 Data File : VN066096.D
 Acq On : 2 Mar 2021 12:31
 Operator : JC/MD
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 3/3/2021 11:00:42 AM

Quant Time: Mar 02 13:20:34 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N030221W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 02 13:17:25 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.624	168	82985	50.00	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.547	114	139116	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.376	117	124007	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.312	152	54068	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.987	65	23315	19.89	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	39.78%#		
35) Dibromofluoromethane	7.547	113	15744	18.16	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	36.32%#		
50) Toluene-d8	10.055	98	59837	17.07	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	34.14%#		
62) 4-Bromofluorobenzene	12.373	95	22986	17.42	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	34.84%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.849	85	20330	18.71	ug/l	99
3) Chloromethane	2.052	50	20413	15.57	ug/l	98
4) Vinyl Chloride	2.180	62	21694	16.59	ug/l	97
5) Bromomethane	2.550	94	14734	18.16	ug/l	95
6) Chloroethane	2.692	64	12502	17.01	ug/l	94
7) Trichlorofluoromethane	3.004	101	34862	20.55	ug/l	99
8) Diethyl Ether	3.389	74	9865	16.46	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.730	101	14782	17.01	ug/l	98
10) Methyl Iodide	3.923	142	21514	15.96	ug/l	93
11) Tert butyl alcohol	4.740	59	16344	99.87	ug/l	# 91
12) 1,1-Dichloroethene	3.711	96	15239	16.58	ug/l	90
13) Acrolein	3.576	56	12747	86.20	ug/l	92
14) Allyl chloride	4.287	41	25633	16.49	ug/l	97
15) Acrylonitrile	4.936	53	35718	82.37	ug/l	99
16) Acetone	3.785	43	33697	84.97	ug/l	94
17) Carbon Disulfide	4.023	76	45833	17.46	ug/l	95
18) Methyl Acetate	4.287	43	15081	16.11	ug/l	97
19) Methyl tert-butyl Ether	5.004	73	57786	19.18	ug/l	99
20) Methylene Chloride	4.518	84	17689	16.71	ug/l	89
21) trans-1,2-Dichloroethene	5.004	96	17141	17.75	ug/l	92
22) Diisopropyl ether	5.904	45	48488	15.71	ug/l	92
23) Vinyl Acetate	5.849	43	206190	84.85	ug/l	97
24) 1,1-Dichloroethane	5.804	63	31400	17.35	ug/l	99
25) 2-Butanone	6.785	43	46927	83.96	ug/l	99
26) 2,2-Dichloropropane	6.775	77	31069	21.08	ug/l	97
27) cis-1,2-Dichloroethene	6.785	96	19975	18.15	ug/l	95
28) Bromochloromethane	7.151	49	11983	14.47	ug/l	# 95
29) Tetrahydrofuran	7.164	42	30580	80.13	ug/l	96
30) Chloroform	7.328	83	33987	18.75	ug/l	99
31) Cyclohexane	7.614	56	27646	16.48	ug/l	# 93
32) 1,1,1-Trichloroethane	7.528	97	31855	20.52	ug/l	98
36) 1,1-Dichloropropene	7.753	75	24442	17.83	ug/l	99
37) Ethyl Acetate	6.881	43	18708	15.49	ug/l	96
38) Carbon Tetrachloride	7.733	117	27475	20.85	ug/l	97
39) Methylcyclohexane	9.045	83	26025	16.98	ug/l	96
40) Benzene	8.003	78	70928	17.03	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.126	41	9423	16.70	ug/l #	100
42) 1,2-Dichloroethane	8.084	62	29797	21.12	ug/l	94
43) Isopropyl Acetate	8.122	43	35664	18.26	ug/l	99
44) Trichloroethene	8.801	130	19634	18.76	ug/l	96
45) 1,2-Dichloropropane	9.081	63	17541	16.65	ug/l	99
46) Dibromomethane	9.171	93	12086	18.45	ug/l	96
47) Bromodichloromethane	9.367	83	27001	19.99	ug/l	98
48) Methyl methacrylate	9.161	41	17101	17.42	ug/l	92
49) 1,4-Dioxane	9.158	88	5941	349.18	ug/l	94
51) 4-Methyl-2-Pentanone	9.945	43	96413	82.58	ug/l	99
52) Toluene	10.119	92	45352	17.70	ug/l	96
53) t-1,3-Dichloropropene	10.347	75	31174	20.71	ug/l	100
54) cis-1,3-Dichloropropene	9.804	75	31773	19.08	ug/l	95
55) 1,1,2-Trichloroethane	10.527	97	16898	17.65	ug/l	96
56) Ethyl methacrylate	10.396	69	23961	16.81	ug/l	97
57) 1,3-Dichloropropane	10.672	76	29278	17.41	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.659	63	49602	74.41	ug/l	98
59) 2-Hexanone	10.717	43	64944	78.22	ug/l	100
60) Dibromochloromethane	10.868	129	19220	19.32	ug/l	98
61) 1,2-Dibromoethane	10.974	107	17816	18.22	ug/l	99
64) Tetrachloroethene	10.598	164	19787	20.37	ug/l	93
65) Chlorobenzene	11.402	112	48183	18.57	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.476	131	18297	20.22	ug/l	97
67) Ethyl Benzene	11.479	91	86809	18.54	ug/l	100
68) m/p-Xylenes	11.588	106	65808	37.49	ug/l	99
69) o-Xylene	11.916	106	31810	18.85	ug/l	94
70) Styrene	11.933	104	50551	18.24	ug/l	95
71) Bromoform	12.097	173	12749	20.77	ug/l #	95
73) Isopropylbenzene	12.219	105	82562	18.64	ug/l	100
74) N-amyl acetate	12.045	43	18472	12.63	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.473	83	22937	17.88	ug/l	98
76) 1,2,3-Trichloropropane	12.521	75	21392m	16.57	ug/l	
77) Bromobenzene	12.492	156	19063	18.76	ug/l	88
78) n-propylbenzene	12.560	91	87274	17.46	ug/l	98
79) 2-Chlorotoluene	12.643	91	56587	18.00	ug/l	99
80) 1,3,5-Trimethylbenzene	12.701	105	72288	19.14	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.270	75	7581	18.63	ug/l	96
82) 4-Chlorotoluene	12.743	91	57173	18.00	ug/l	96
83) tert-Butylbenzene	12.961	119	57774	18.52	ug/l	95
84) 1,2,4-Trimethylbenzene	13.010	105	72210	19.15	ug/l	99
85) sec-Butylbenzene	13.141	105	71980	17.91	ug/l	100
86) p-Isopropyltoluene	13.257	119	67033	18.32	ug/l	97
87) 1,3-Dichlorobenzene	13.251	146	33334	18.63	ug/l	96
88) 1,4-Dichlorobenzene	13.331	146	34054	18.55	ug/l	94
89) n-Butylbenzene	13.582	91	52898	17.24	ug/l	99
90) Hexachloroethane	13.842	117	9687	15.89	ug/l	99
91) 1,2-Dichlorobenzene	13.621	146	34930	19.39	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.238	75	5875	25.02	ug/l	73
93) 1,2,4-Trichlorobenzene	14.878	180	17555	21.87	ug/l	98
94) Hexachlorobutadiene	14.974	225	8441	20.23	ug/l	96
95) Naphthalene	15.096	128	55374	21.26	ug/l	100
96) 1,2,3-Trichlorobenzene	15.276	180	18227	21.47	ug/l	98

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

