

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061421\
 Data File : VN067320.D
 Acq On : 14 Jun 2021 11:27
 Operator : JC/MD
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 6/15/2021 5:15:56 PM

Quant Time: Jun 15 04:11:10 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N061421W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 15 04:08:10 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.088	168	353723	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	682831	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	612428	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	246996	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	124624	18.187	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	36.380%#		
35) Dibromofluoromethane	8.024	113	80098	18.039	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	36.080%#		
50) Toluene-d8	10.443	98	310053	18.028	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	36.060%#		
62) 4-Bromofluorobenzene	12.734	95	121336	16.988	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	33.980%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.070	85	103913	22.758	ug/l	99
3) Chloromethane	2.301	50	102476	21.979	ug/l	100
4) Vinyl Chloride	2.443	62	103352	22.664	ug/l	100
5) Bromomethane	2.850	94	43492	19.237	ug/l	96
6) Chloroethane	3.019	64	61031	22.024	ug/l	97
7) Trichlorofluoromethane	3.371	101	138418	21.738	ug/l	99
8) Diethyl Ether	3.819	74	55563	22.000	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.202	101	84755	22.326	ug/l	97
10) Methyl Iodide	4.411	142	59502	14.010	ug/l	99
11) Tert butyl alcohol	5.390	59	106282	92.746	ug/l	95
12) 1,1-Dichloroethene	4.170	96	80296	21.757	ug/l	98
13) Acrolein	4.039	56	59105	83.125	ug/l	99
14) Allyl chloride	4.838	41	175612	21.929	ug/l	99
15) Acrylonitrile	5.557	53	239306	109.187	ug/l	97
16) Acetone	4.291	43	247088	109.562	ug/l	97
17) Carbon Disulfide	4.521	76	252213	20.916	ug/l	98
18) Methyl Acetate	4.859	43	114998	20.406	ug/l	100
19) Methyl tert-butyl Ether	5.621	73	336426	22.744	ug/l	99
20) Methylene Chloride	5.098	84	97418	20.373	ug/l	97
21) trans-1,2-Dichloroethene	5.594	96	87724	21.632	ug/l	95
22) Diisopropyl ether	6.503	45	338779	22.356	ug/l	98
23) Vinyl Acetate	6.436	43	1515321	110.851	ug/l	100
24) 1,1-Dichloroethane	6.388	63	184373	21.972	ug/l	99
25) 2-Butanone	7.340	43	363853	111.315	ug/l	98
26) 2,2-Dichloropropane	7.327	77	186724	22.328	ug/l	100
27) cis-1,2-Dichloroethene	7.327	96	103753	21.780	ug/l	99
28) Bromochloromethane	7.657	49	84386	21.769	ug/l	99
29) Tetrahydrofuran	7.691	42	233113	111.937	ug/l	99
30) Chloroform	7.817	83	193624	21.871	ug/l	99
31) Cyclohexane	8.094	56	178221	19.144	ug/l	97
32) 1,1,1-Trichloroethane	8.016	97	181210	22.361	ug/l	99
36) 1,1-Dichloropropene	8.222	75	141753	21.599	ug/l	100
37) Ethyl Acetate	7.418	43	152276	22.839	ug/l	98
38) Carbon Tetrachloride	8.206	117	151636	21.518	ug/l	98
39) Methylcyclohexane	9.462	83	157288	22.182	ug/l	98
40) Benzene	8.461	78	395796	21.565	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.643	41	79832	21.904	ug/l	98
42) 1,2-Dichloroethane	8.531	62	166598	21.563	ug/l	99
43) Isopropyl Acetate	8.566	43	266598	21.276	ug/l	99
44) Trichloroethene	9.217	130	94447	22.015	ug/l	99
45) 1,2-Dichloropropane	9.491	63	104370	21.279	ug/l	99
46) Dibromomethane	9.577	93	72490	21.739	ug/l	99
47) Bromodichloromethane	9.765	83	162178	21.593	ug/l	99
48) Methyl methacrylate	9.563	41	121491	21.319	ug/l	99
49) 1,4-Dioxane	9.574	88	36383	467.086	ug/l	98
51) 4-Methyl-2-Pentanone	10.333	43	777160	108.298	ug/l	99
52) Toluene	10.507	92	248407	21.603	ug/l	100
53) t-1,3-Dichloropropene	10.722	75	175888	21.299	ug/l	99
54) cis-1,3-Dichloropropene	10.191	75	182240	21.916	ug/l	98
55) 1,1,2-Trichloroethane	10.899	97	95818	21.345	ug/l	98
56) Ethyl methacrylate	10.762	69	171815	21.436	ug/l	99
57) 1,3-Dichloropropane	11.047	76	172630	21.151	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.044	63	230715	96.599	ug/l	100
59) 2-Hexanone	11.089	43	556242	105.661	ug/l	100
60) Dibromochloromethane	11.240	129	104856	21.578	ug/l	99
61) 1,2-Dibromoethane	11.350	107	98609	21.124	ug/l	100
64) Tetrachloroethene	10.980	164	85494	23.066	ug/l	99
65) Chlorobenzene	11.773	112	249842	21.755	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.843	131	94253	22.058	ug/l	99
67) Ethyl Benzene	11.848	91	494206	21.717	ug/l	99
68) m/p-Xylenes	11.956	106	349194	42.989	ug/l	99
69) o-Xylene	12.283	106	171279	21.650	ug/l	99
70) Styrene	12.296	104	281277	21.266	ug/l	98
71) Bromoform	12.460	173	70028	21.223	ug/l #	98
73) Isopropylbenzene	12.581	105	456141	22.557	ug/l	100
74) N-amyl acetate	12.390	43	219261	22.150	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.830	83	134168	22.264	ug/l	99
76) 1,2,3-Trichloropropane	12.881	75	134568m	22.654	ug/l	
77) Bromobenzene	12.862	156	91683	22.297	ug/l	100
78) n-propylbenzene	12.924	91	537344	22.261	ug/l	99
79) 2-Chlorotoluene	13.010	91	333732	22.351	ug/l	100
80) 1,3,5-Trimethylbenzene	13.061	105	377492	22.163	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.626	75	45187	17.524	ug/l	97
82) 4-Chlorotoluene	13.106	91	333539	22.115	ug/l	98
83) tert-Butylbenzene	13.326	119	307526	22.531	ug/l	100
84) 1,2,4-Trimethylbenzene	13.369	105	377282	22.402	ug/l	100
85) sec-Butylbenzene	13.503	105	435770	22.597	ug/l	100
86) p-Isopropyltoluene	13.616	119	341625	22.030	ug/l	100
87) 1,3-Dichlorobenzene	13.619	146	166010	22.147	ug/l	99
88) 1,4-Dichlorobenzene	13.696	146	163800	21.707	ug/l	98
89) n-Butylbenzene	13.943	91	323995	22.251	ug/l	100
90) Hexachloroethane	14.214	117	68599	22.163	ug/l	100
91) 1,2-Dichlorobenzene	13.991	146	159860	22.548	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.603	75	31855	20.916	ug/l	98
93) 1,2,4-Trichlorobenzene	15.265	180	80792	21.757	ug/l	99
94) Hexachlorobutadiene	15.373	225	47492	22.160	ug/l	99
95) Naphthalene	15.507	128	248666	21.528	ug/l	99
96) 1,2,3-Trichlorobenzene	15.702	180	77687	21.683	ug/l	99

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

