

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022019\
 Data File : VN053872.D
 Acq On : 20 Feb 2019 9:24
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 2/21/2019 10:51:54 AM

Quant Time: Feb 21 03:23:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022019W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 21 03:05:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	614565	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	933161	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	797515	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	376938	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	128399	20.44	ug/l	0.00
Spiked Amount						
			Recovery	=	40.88%	
35) Dibromofluoromethane	7.59	113	124040	20.25	ug/l	0.00
Spiked Amount						
			Recovery	=	40.50%	
50) Toluene-d8	10.09	98	454102	20.53	ug/l	0.00
Spiked Amount						
			Recovery	=	41.06%	
62) 4-Bromofluorobenzene	12.40	95	142685	19.54	ug/l	0.00
Spiked Amount						
			Recovery	=	39.08%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	111244	20.835	ug/l	99
3) Chloromethane	2.06	50	134093	20.201	ug/l	99
4) Vinyl Chloride	2.19	62	145009	20.351	ug/l	99
5) Bromomethane	2.57	94	98444	18.866	ug/l	97
6) Chloroethane	2.71	64	89646	19.466	ug/l	98
7) Trichlorofluoromethane	3.02	101	210945	20.848	ug/l	98
8) Diethyl Ether	3.41	74	73400	20.636	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	125326	20.552	ug/l	99
10) Methyl Iodide	3.96	142	175532	19.411	ug/l	99
11) Tert butyl alcohol	4.79	59	38798	98.953	ug/l #	88
12) 1,1-Dichloroethene	3.74	96	117453	20.594	ug/l	99
13) Acrolein	3.62	56	6749	24.083	ug/l	94
14) Allyl chloride	4.33	41	171326	19.849	ug/l	99
15) Acrylonitrile	4.99	53	202657	102.601	ug/l	100
16) Acetone	3.82	43	184554	106.843	ug/l	96
17) Carbon Disulfide	4.06	76	346040	19.590	ug/l	99
18) Methyl Acetate	4.33	43	76663	19.407	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	296409	20.485	ug/l	98
20) Methylene Chloride	4.55	84	127031	19.643	ug/l	97
21) trans-1,2-Dichloroethene	5.05	96	121514	20.301	ug/l	93
22) Diisopropyl ether	5.95	45	330937	20.568	ug/l	97
23) Vinyl Acetate	5.90	43	1179197	103.272	ug/l	100
24) 1,1-Dichloroethane	5.85	63	219534	20.152	ug/l	99
25) 2-Butanone	6.84	43	226966	101.828	ug/l	99
26) 2,2-Dichloropropane	6.82	77	164417	19.889	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	136818	20.404	ug/l	100
28) Bromochloromethane	7.19	49	97479	20.503	ug/l	99
29) Tetrahydrofuran	7.22	42	149964	104.034	ug/l	99
30) Chloroform	7.37	83	221809	20.264	ug/l	98
31) Cyclohexane	7.65	56	201158	17.705	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	189533	20.237	ug/l	99
36) 1,1-Dichloropropene	7.79	75	161826	18.919	ug/l	99
37) Ethyl Acetate	6.93	43	101805	21.567	ug/l	99
38) Carbon Tetrachloride	7.77	117	168316	18.411	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	196060	19.892	ug/l	99
40) Benzene	8.04	78	511201	20.216	ug/l	100
41) Methacrylonitrile	7.17	41	49113	16.297	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	151482	20.095	ug/l	100
43) Isopropyl Acetate	8.17	43	168565	18.476	ug/l #	87
44) Trichloroethene	8.84	130	143534	20.277	ug/l	99
45) 1,2-Dichloropropane	9.12	63	131210	20.325	ug/l	98
46) Dibromomethane	9.21	93	80860	20.802	ug/l	99
47) Bromodichloromethane	9.40	83	165582	20.192	ug/l	98
48) Methyl methacrylate	9.20	41	76919	18.336	ug/l	87
49) 1,4-Dioxane	9.20	88	25433	439.602	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	431781	101.806	ug/l	99
52) Toluene	10.16	92	306457	20.451	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	159689	20.055	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	190216	20.267	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	112893	20.609	ug/l	99
56) Ethyl methacrylate	10.43	69	120319	19.510	ug/l	97
57) 1,3-Dichloropropane	10.71	76	189276	20.521	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	280106	103.673	ug/l	100
59) 2-Hexanone	10.75	43	279873	97.774	ug/l	98
60) Dibromochloromethane	10.90	129	128930	20.164	ug/l	100
61) 1,2-Dibromoethane	11.01	107	111665	20.518	ug/l	98
64) Tetrachloroethene	10.63	164	147705	20.712	ug/l	97
65) Chlorobenzene	11.44	112	329577	19.743	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	123968	20.351	ug/l	99
67) Ethyl Benzene	11.51	91	545610	20.196	ug/l	99
68) m/p-Xylenes	11.62	106	435893	41.670	ug/l	99
69) o-Xylene	11.95	106	207699	20.625	ug/l	100
70) Styrene	11.96	104	326950	20.689	ug/l	100
71) Bromoform	12.13	173	88074	20.374	ug/l #	99
73) Isopropylbenzene	12.25	105	548904	20.671	ug/l	99
74) N-amyl acetate	12.07	43	122856	20.147	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	125252	19.951	ug/l	97
76) 1,2,3-Trichloropropane	12.55	75	111332m	22.610	ug/l	
77) Bromobenzene	12.53	156	144197	20.243	ug/l	99
78) n-propylbenzene	12.59	91	621159	20.918	ug/l	100
79) 2-Chlorotoluene	12.68	91	372457	20.802	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	472050	21.416	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	32170	19.193	ug/l	97
82) 4-Chlorotoluene	12.77	91	371024	20.800	ug/l	100
83) tert-Butylbenzene	12.99	119	413128	20.873	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	469619	21.243	ug/l	99
85) sec-Butylbenzene	13.17	105	561413	21.067	ug/l	100
86) p-Isopropyltoluene	13.29	119	491213	21.239	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	254655	20.486	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	251425	20.102	ug/l	99
89) n-Butylbenzene	13.62	91	408020	21.453	ug/l	99
90) Hexachloroethane	13.88	117	88804	20.099	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	253425	20.780	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	19197	20.955	ug/l	99

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93) 1,2,4-Trichlorobenzene	14.91	180	142465	22.765	ug/l	99
94) Hexachlorobutadiene	15.01	225	108543	21.342	ug/l	99
95) Naphthalene	15.13	128	260557	22.293	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	140751	23.178	ug/l	98

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

