

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021220\
 Data File : VN060070.D
 Acq On : 12 Feb 2020 12:50
 Operator : JC/MD
 Sample : VSTDIC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Manual Integrations
 APPROVED

MMDadoda
 2/13/2020 10:37:14 AM

Quant Time: Feb 12 14:11:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N021220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 12 13:36:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	208669	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	326769	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	315541	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	161785	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	260205	102.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	204.96%	
35) Dibromofluoromethane	7.56	113	209932	104.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	209.02%	
50) Toluene-d8	10.08	98	819614	103.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	207.24%	
62) 4-Bromofluorobenzene	12.40	95	311498	107.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	214.34%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	216048	103.582	ug/l	100
3) Chloromethane	2.04	50	239205	96.370	ug/l	97
4) Vinyl Chloride	2.17	62	282258	99.765	ug/l	100
5) Bromomethane	2.53	94	169974	97.978	ug/l	99
6) Chloroethane	2.68	64	142165	99.346	ug/l	97
7) Trichlorofluoromethane	3.00	101	364657	99.968	ug/l	100
8) Diethyl Ether	3.38	74	124757	102.744	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	201226	99.361	ug/l	99
10) Methyl Iodide	3.93	142	281942	112.341	ug/l	99
11) Tert butyl alcohol	4.73	59	200276	527.083	ug/l	99
12) 1,1-Dichloroethene	3.72	96	202396	102.589	ug/l	96
13) Acrolein	3.58	56	202409	538.927	ug/l	97
14) Allyl chloride	4.29	41	289793	99.799	ug/l	99
15) Acrylonitrile	4.94	53	509054	548.586	ug/l	100
16) Acetone	3.78	43	567853	512.705	ug/l	99
17) Carbon Disulfide	4.03	76	594786	100.021	ug/l	99
18) Methyl Acetate	4.29	43	220398	105.932	ug/l	100
19) Methyl tert-butyl Ether	5.00	73	678009	102.192	ug/l	99
20) Methylene Chloride	4.52	84	221426	100.208	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	220044	102.318	ug/l	99
22) Diisopropyl ether	5.92	45	668252	105.006	ug/l	94
23) Vinyl Acetate	5.86	43	2895366	541.775	ug/l	100
24) 1,1-Dichloroethane	5.82	63	393568	102.088	ug/l	100
25) 2-Butanone	6.80	43	760895	546.245	ug/l	98
26) 2,2-Dichloropropane	6.80	77	372663	101.773	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	255410	101.479	ug/l	100
28) Bromochloromethane	7.17	49	155921	102.876	ug/l #	98
29) Tetrahydrofuran	7.18	42	455677	533.236	ug/l	99
30) Chloroform	7.35	83	412706	102.195	ug/l	100
31) Cyclohexane	7.63	56	352746	98.224	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	378213	102.485	ug/l	100
36) 1,1-Dichloropropene	7.77	75	307972	101.753	ug/l	99
37) Ethyl Acetate	6.90	43	293322	107.231	ug/l	99
38) Carbon Tetrachloride	7.75	117	338636	103.020	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	386463	102.862	ug/l	98
40) Benzene	8.02	78	904558	100.750	ug/l	100
41) Methacrylonitrile	7.15	41	124043m	41.162	ug/l	
42) 1,2-Dichloroethane	8.10	62	324920	103.256	ug/l	99
43) Isopropyl Acetate	8.14	43	498102	106.524	ug/l	99
44) Trichloroethene	8.82	130	249533	100.374	ug/l	98
45) 1,2-Dichloropropane	9.10	63	228680	102.880	ug/l	99
46) Dibromomethane	9.19	93	162929	103.725	ug/l	99
47) Bromodichloromethane	9.39	83	334354	104.698	ug/l	99
48) Methyl methacrylate	9.18	41	228087	108.719	ug/l	99
49) 1,4-Dioxane	9.18	88	79321	2212.860	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	1471165	543.562	ug/l	100
52) Toluene	10.14	92	598379	103.932	ug/l	97
53) t-1,3-Dichloropropene	10.37	75	391065	108.487	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	398319	104.937	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	230691	102.706	ug/l	99
56) Ethyl methacrylate	10.42	69	361215	113.682	ug/l	99
57) 1,3-Dichloropropane	10.70	76	377315	101.805	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	838054	566.152	ug/l	100
59) 2-Hexanone	10.74	43	1166555	557.967	ug/l	100
60) Dibromochloromethane	10.89	129	276873	107.418	ug/l	99
61) 1,2-Dibromoethane	11.00	107	250692	106.470	ug/l	100
64) Tetrachloroethene	10.62	164	229456	95.658	ug/l	99
65) Chlorobenzene	11.43	112	643073	100.032	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	247435	101.744	ug/l	100
67) Ethyl Benzene	11.50	91	1175435	101.378	ug/l	100
68) m/p-Xylenes	11.62	106	890483	204.632	ug/l	99
69) o-Xylene	11.94	106	430490	102.744	ug/l	99
70) Styrene	11.96	104	739268	109.415	ug/l	99
71) Bromoform	12.12	173	214848	109.839	ug/l #	99
73) Isopropylbenzene	12.25	105	1174586	97.224	ug/l	100
74) N-amyl acetate	12.07	43	467397	107.288	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	349982	100.645	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	318756m	73.106	ug/l	
77) Bromobenzene	12.52	156	295266	98.481	ug/l	99
78) n-propylbenzene	12.59	91	1359137	98.742	ug/l	100
79) 2-Chlorotoluene	12.67	91	785565	97.098	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	991342	98.690	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	133703	105.764	ug/l	99
82) 4-Chlorotoluene	12.77	91	826573	99.582	ug/l	100
83) tert-Butylbenzene	12.99	119	847659	95.393	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1000738	100.925	ug/l	100
85) sec-Butylbenzene	13.17	105	1152647	97.946	ug/l	99
86) p-Isopropyltoluene	13.28	119	1070407	100.391	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	537687	101.313	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	534653	100.762	ug/l	99
89) n-Butylbenzene	13.61	91	967881	103.205	ug/l	100
90) Hexachloroethane	13.87	117	199911	100.360	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	514111	98.985	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	75810	94.168	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	331640	108.672	ug/l	99
94) Hexachlorobutadiene	15.01	225	169482	94.865	ug/l	99
95) Naphthalene	15.13	128	937598	113.736	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	320287	105.390	ug/l	99

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

