

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021220\
 Data File : VN060071.D
 Acq On : 12 Feb 2020 13:13
 Operator : JC/MD
 Sample : VSTDICC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 2/13/2020 10:37:19 AM

Quant Time: Feb 12 13:59:13 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	216150	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	341296	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	322848	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	167784	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	402084	152.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	305.74%	
35) Dibromofluoromethane	7.56	113	328441	156.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	313.10%	
50) Toluene-d8	10.08	98	1278145	154.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	309.42%	
62) 4-Bromofluorobenzene	12.40	95	484358	159.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	319.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	314596	145.610	ug/l	100
3) Chloromethane	2.04	50	374408	145.620	ug/l	99
4) Vinyl Chloride	2.16	62	419943	143.292	ug/l	99
5) Bromomethane	2.51	94	267709	148.975	ug/l	99
6) Chloroethane	2.67	64	218009	147.074	ug/l	99
7) Trichlorofluoromethane	3.00	101	545651	144.410	ug/l	98
8) Diethyl Ether	3.38	74	191310	152.102	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	303364	144.611	ug/l	99
10) Methyl Iodide	3.93	142	436724	167.992	ug/l	99
11) Tert butyl alcohol	4.73	59	311676	791.875	ug/l	100
12) 1,1-Dichloroethene	3.71	96	307863	150.646	ug/l	99
13) Acrolein	3.57	56	320396	823.550	ug/l	97
14) Allyl chloride	4.29	41	443027	147.289	ug/l	98
15) Acrylonitrile	4.94	53	784513	816.175	ug/l	100
16) Acetone	3.78	43	856585	746.629	ug/l	98
17) Carbon Disulfide	4.03	76	915180	148.573	ug/l	99
18) Methyl Acetate	4.29	43	339113	157.350	ug/l	100
19) Methyl tert-butyl Ether	5.00	73	1032647	150.257	ug/l	98
20) Methylene Chloride	4.52	84	339182	148.186	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	333292	149.613	ug/l	99
22) Diisopropyl ether	5.92	45	1022721	155.144	ug/l	92
23) Vinyl Acetate	5.86	43	4360632	787.712	ug/l	98
24) 1,1-Dichloroethane	5.82	63	591093	148.017	ug/l	100
25) 2-Butanone	6.80	43	1142355	791.711	ug/l	99
26) 2,2-Dichloropropane	6.80	77	556470	146.710	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	382830	146.842	ug/l	99
28) Bromochloromethane	7.17	49	241773	154.000	ug/l #	99
29) Tetrahydrofuran	7.18	42	698432	789.021	ug/l	99
30) Chloroform	7.35	83	616569	147.392	ug/l	99
31) Cyclohexane	7.63	56	524317	140.946	ug/l	96
32) 1,1,1-Trichloroethane	7.54	97	567988	148.582	ug/l	100
36) 1,1-Dichloropropene	7.77	75	467104	147.761	ug/l	99
37) Ethyl Acetate	6.90	43	447352	156.580	ug/l	99
38) Carbon Tetrachloride	7.75	117	502840	146.463	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	577470	147.159	ug/l	99
40) Benzene	8.02	78	1355403	144.539	ug/l	100
41) Methacrylonitrile	7.15	41	210511m	66.882	ug/l	
42) 1,2-Dichloroethane	8.10	62	486804	148.117	ug/l	99
43) Isopropyl Acetate	8.14	43	758406	155.289	ug/l	99
44) Trichloroethene	8.82	130	373532	143.858	ug/l	97
45) 1,2-Dichloropropane	9.10	63	341156	146.949	ug/l	98
46) Dibromomethane	9.19	93	244479	149.017	ug/l	99
47) Bromodichloromethane	9.39	83	496140	148.746	ug/l	97
48) Methyl methacrylate	9.18	41	348061	158.843	ug/l	98
49) 1,4-Dioxane	9.18	88	124547	3326.662	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	2203222	779.391	ug/l	98
52) Toluene	10.14	92	898862	149.477	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	583265	154.919	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	600566	151.484	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	345313	147.194	ug/l	99
56) Ethyl methacrylate	10.42	69	552174	166.384	ug/l	99
57) 1,3-Dichloropropane	10.70	76	570340	147.335	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	1239194	801.512	ug/l	100
59) 2-Hexanone	10.74	43	1734317	794.222	ug/l	99
60) Dibromochloromethane	10.89	129	417487	155.078	ug/l	99
61) 1,2-Dibromoethane	11.00	107	376561	153.120	ug/l	100
64) Tetrachloroethene	10.62	164	337175	137.384	ug/l	99
65) Chlorobenzene	11.43	112	968053	147.176	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	375776	151.020	ug/l	99
67) Ethyl Benzene	11.51	91	1740628	146.726	ug/l	99
68) m/p-Xylenes	11.62	106	1339153	300.771	ug/l	96
69) o-Xylene	11.94	106	646853	150.889	ug/l	99
70) Styrene	11.96	104	1129999	163.459	ug/l	99
71) Bromoform	12.12	173	332298	166.039	ug/l #	98
73) Isopropylbenzene	12.25	105	1750202	139.689	ug/l	99
74) N-amyl acetate	12.07	43	712397	157.680	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	521483	144.602	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	482789m	106.768	ug/l	
77) Bromobenzene	12.52	156	443905	142.764	ug/l	99
78) n-propylbenzene	12.59	91	1998968	140.034	ug/l	99
79) 2-Chlorotoluene	12.67	91	1173985	139.920	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1479282	142.000	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	207909	158.584	ug/l	98
82) 4-Chlorotoluene	12.77	91	1242112	144.294	ug/l	100
83) tert-Butylbenzene	12.99	119	1260962	136.831	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1486446	144.549	ug/l	98
85) sec-Butylbenzene	13.17	105	1715992	140.602	ug/l	99
86) p-Isopropyltoluene	13.29	119	1592170	143.986	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	807197	146.657	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	801506	145.653	ug/l	100
89) n-Butylbenzene	13.61	91	1449476	149.031	ug/l	100
90) Hexachloroethane	13.87	117	302932	146.642	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	768593	142.691	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	112217	134.408	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	505062	159.582	ug/l	100
94) Hexachlorobutadiene	15.01	225	251469	135.723	ug/l	99
95) Naphthalene	15.13	128	1413203	165.301	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	488825	155.096	ug/l	99

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

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