

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041620\
 Data File : VN061008.D
 Acq On : 16 Apr 2020 13:04
 Operator : JC/MD
 Sample : VSTDIC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 4/17/2020 11:53:16 AM

Quant Time: Apr 16 13:27:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041620W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 16 12:43:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	170403	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	288202	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	265622	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	128873	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	312178	136.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	273.52%	
35) Dibromofluoromethane	7.56	113	246936	143.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	287.90%	
50) Toluene-d8	10.08	98	914065	133.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	266.32%	
62) 4-Bromofluorobenzene	12.39	95	374121	146.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	292.62%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	338809	193.812	ug/l	99
3) Chloromethane	2.03	50	472440	153.099	ug/l	99
4) Vinyl Chloride	2.16	62	387716	159.469	ug/l	100
5) Bromomethane	2.52	94	183426	169.241	ug/l	100
6) Chloroethane	2.67	64	227537	162.435	ug/l	100
7) Trichlorofluoromethane	3.00	101	472713	157.304	ug/l	100
8) Diethyl Ether	3.38	74	190694	158.668	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	267826	154.682	ug/l	99
10) Methyl Iodide	3.92	142	267296	171.671	ug/l	100
11) Tert butyl alcohol	4.73	59	291992	828.491	ug/l	100
12) 1,1-Dichloroethene	3.71	96	282523	152.725	ug/l	100
13) Acrolein	3.57	56	251191	684.359	ug/l	100
14) Allyl chloride	4.29	41	517182	157.099	ug/l	98
15) Acrylonitrile	4.94	53	845260	827.534	ug/l	99
16) Acetone	3.77	43	684080	795.091	ug/l	99
17) Carbon Disulfide	4.03	76	872359	154.636	ug/l	99
18) Methyl Acetate	4.28	43	474992	193.475	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	969474	151.933	ug/l	99
20) Methylene Chloride	4.52	84	315937	154.373	ug/l	99
21) trans-1,2-Dichloroethene	5.00	96	299742	152.053	ug/l	97
22) Diisopropyl ether	5.91	45	1103971	159.526	ug/l	97
23) Vinyl Acetate	5.85	43	4345746	773.957	ug/l	99
24) 1,1-Dichloroethane	5.81	63	591322	156.804	ug/l	100
25) 2-Butanone	6.79	43	1142331	834.936	ug/l	100
26) 2,2-Dichloropropane	6.79	77	491009	162.942	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	341222	151.901	ug/l	100
28) Bromochloromethane	7.17	49	248688	138.555	ug/l	99
29) Tetrahydrofuran	7.18	42	769716	802.056	ug/l	99
30) Chloroform	7.34	83	552284	153.192	ug/l	98
31) Cyclohexane	7.63	56	574039	150.263	ug/l	97
32) 1,1,1-Trichloroethane	7.54	97	480135	155.080	ug/l	99
36) 1,1-Dichloropropene	7.77	75	446579	158.770	ug/l	100
37) Ethyl Acetate	6.89	43	476931	156.128	ug/l	99
38) Carbon Tetrachloride	7.75	117	397521	158.675	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	543555	161.979	ug/l	99
40) Benzene	8.02	78	1302606	153.583	ug/l	100
41) Methacrylonitrile	7.14	41	219144m	167.913	ug/l	
42) 1,2-Dichloroethane	8.10	62	449611	154.945	ug/l	100
43) Isopropyl Acetate	8.14	43	809936	161.227	ug/l	100
44) Trichloroethene	8.81	130	326811	153.584	ug/l	100
45) 1,2-Dichloropropane	9.10	63	356363	158.929	ug/l	97
46) Dibromomethane	9.19	93	212309	157.375	ug/l	99
47) Bromodichloromethane	9.38	83	446478	158.691	ug/l	99
48) Methyl methacrylate	9.18	41	378264	168.743	ug/l	98
49) 1,4-Dioxane	9.18	88	97549	3613.735	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	2330714	813.874	ug/l	98
52) Toluene	10.14	92	795909	155.542	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	532703	164.720	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	570081	160.306	ug/l	100
55) 1,1,2-Trichloroethane	10.55	97	299535	152.174	ug/l	96
56) Ethyl methacrylate	10.42	69	527239	171.595	ug/l	99
57) 1,3-Dichloropropane	10.70	76	535812	156.557	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.68	63	1198948	817.916	ug/l	100
59) 2-Hexanone	10.74	43	1742574	845.018	ug/l	99
60) Dibromochloromethane	10.89	129	330206	162.944	ug/l	99
61) 1,2-Dibromoethane	10.99	107	315747	160.051	ug/l	100
64) Tetrachloroethene	10.62	164	298417	143.496	ug/l	100
65) Chlorobenzene	11.42	112	813972	153.685	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	294289	153.694	ug/l	100
67) Ethyl Benzene	11.50	91	1541949	156.538	ug/l	99
68) m/p-Xylenes	11.61	106	1131542	310.375	ug/l	97
69) o-Xylene	11.94	106	543421	156.178	ug/l	99
70) Styrene	11.96	104	941225	165.220	ug/l	99
71) Bromoform	12.12	173	244021	170.997	ug/l #	99
73) Isopropylbenzene	12.24	105	1456072	149.693	ug/l	100
74) N-amyl acetate	12.06	43	729497	161.631	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	455686	154.121	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	406360m	145.597	ug/l	
77) Bromobenzene	12.52	156	345443	147.947	ug/l	99
78) n-propylbenzene	12.59	91	1757243	152.422	ug/l	99
79) 2-Chlorotoluene	12.67	91	1028745	149.928	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1249670	151.276	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	175151	160.341	ug/l	99
82) 4-Chlorotoluene	12.77	91	1083796	154.735	ug/l	100
83) tert-Butylbenzene	12.99	119	1041236	152.021	ug/l	100
84) 1,2,4-Trimethylbenzene	13.03	105	1257064	153.936	ug/l	99
85) sec-Butylbenzene	13.17	105	1427844	154.658	ug/l	99
86) p-Isopropyltoluene	13.28	119	1290015	155.537	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	630236	152.487	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	636782	153.569	ug/l	99
89) n-Butylbenzene	13.61	91	1246773	165.674	ug/l	99
90) Hexachloroethane	13.87	117	204455	169.068	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	598266	151.821	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.26	75	97103	146.577	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	392702	162.373	ug/l	99
94) Hexachlorobutadiene	15.00	225	180500	150.977	ug/l	100
95) Naphthalene	15.13	128	1179875	163.041	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	376414	157.980	ug/l	100

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

