

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN040120\
 Data File : VN060806.D
 Acq On : 1 Apr 2020 13:11
 Operator : JC/MD
 Sample : VN0401WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0401WBS01

Manual Integrations
 APPROVED

MMDadoda
 4/2/2020 10:13:48 AM

Quant Time: Apr 02 09:12:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 08:49:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	201512	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	333021	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	300555	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	140007	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	135807	49.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.18%	
35) Dibromofluoromethane	7.56	113	103224	51.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.52%	
50) Toluene-d8	10.08	98	404719	49.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.42%	
62) 4-Bromofluorobenzene	12.40	95	147636	48.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.96%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.83	85	33427	17.144	ug/l	99
3) Chloromethane	2.04	50	57080	15.674	ug/l	97
4) Vinyl Chloride	2.17	62	45076	15.826	ug/l	97
5) Bromomethane	2.55	94	23258	18.916	ug/l	97
6) Chloroethane	2.69	64	29116	17.745	ug/l	98
7) Trichlorofluoromethane	3.00	101	62746	17.883	ug/l	98
8) Diethyl Ether	3.38	74	25464	18.066	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.73	101	37635	18.511	ug/l	99
10) Methyl Iodide	3.93	142	32855	18.161	ug/l	99
11) Tert butyl alcohol	4.72	59	38625	94.940	ug/l #	85
12) 1,1-Dichloroethene	3.71	96	37774	17.314	ug/l	96
13) Acrolein	3.57	56	35660	79.087	ug/l	99
14) Allyl chloride	4.29	41	69985	18.238	ug/l	97
15) Acrylonitrile	4.94	53	108472	90.670	ug/l	99
16) Acetone	3.78	43	100618	102.684	ug/l	99
17) Carbon Disulfide	4.03	76	107938	16.267	ug/l	100
18) Methyl Acetate	4.28	43	53005	19.218	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	135489	18.063	ug/l	99
20) Methylene Chloride	4.52	84	43049	17.859	ug/l	96
21) trans-1,2-Dichloroethene	5.01	96	40782	17.539	ug/l	97
22) Diisopropyl ether	5.91	45	152916	18.863	ug/l	98
23) Vinyl Acetate	5.85	43	617336	93.330	ug/l	99
24) 1,1-Dichloroethane	5.81	63	81882	18.528	ug/l	99
25) 2-Butanone	6.79	43	148010	93.345	ug/l	99
26) 2,2-Dichloropropane	6.79	77	70078	20.154	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	47624	18.023	ug/l	99
28) Bromochloromethane	7.17	49	41202	19.486	ug/l	99
29) Tetrahydrofuran	7.18	42	99056	88.294	ug/l	100
30) Chloroform	7.34	83	76728	18.110	ug/l	98
31) Cyclohexane	7.63	56	79250	17.787	ug/l	97
32) 1,1,1-Trichloroethane	7.54	97	65551	17.947	ug/l	97
36) 1,1-Dichloropropene	7.77	75	59143	18.341	ug/l	100
37) Ethyl Acetate	6.89	43	64050	18.382	ug/l	100
38) Carbon Tetrachloride	7.75	117	52471	18.155	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	71638	18.694	ug/l	98
40) Benzene	8.02	78	178711	18.359	ug/l	99
41) Methacrylonitrile	7.14	41	26326m	17.704	ug/l	
42) 1,2-Dichloroethane	8.10	62	62903	18.908	ug/l	99
43) Isopropyl Acetate	8.14	43	104700	18.220	ug/l	99
44) Trichloroethene	8.81	130	44912	18.302	ug/l	99
45) 1,2-Dichloropropane	9.10	63	49138	19.130	ug/l	99
46) Dibromomethane	9.19	93	29224	18.819	ug/l	99
47) Bromodichloromethane	9.38	83	59738	18.512	ug/l	98
48) Methyl methacrylate	9.18	41	45479	17.776	ug/l	99
49) 1,4-Dioxane	9.18	88	13981	459.751	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	302154	92.404	ug/l	99
52) Toluene	10.14	92	106858	18.176	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	69561	18.766	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	76047	18.701	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	41536	18.365	ug/l	96
56) Ethyl methacrylate	10.42	69	64181	18.199	ug/l	100
57) 1,3-Dichloropropane	10.70	76	72937	18.584	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.68	63	149403	85.240	ug/l	99
59) 2-Hexanone	10.74	43	217560	92.363	ug/l	100
60) Dibromochloromethane	10.89	129	43134	18.463	ug/l	100
61) 1,2-Dibromoethane	10.99	107	41246	18.136	ug/l	99
64) Tetrachloroethene	10.62	164	42399	17.927	ug/l	98
65) Chlorobenzene	11.43	112	108836	18.267	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.50	131	40476	18.763	ug/l	99
67) Ethyl Benzene	11.50	91	206199	18.610	ug/l	100
68) m/p-Xylenes	11.62	106	150627	36.583	ug/l	99
69) o-Xylene	11.94	106	72389	18.417	ug/l	99
70) Styrene	11.96	104	115005	17.890	ug/l	100
71) Bromoform	12.12	173	29799	17.742	ug/l #	100
73) Isopropylbenzene	12.24	105	195869	18.642	ug/l	100
74) N-amyl acetate	12.06	43	85408	17.591	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	59101	18.600	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	54298m	17.973	ug/l	
77) Bromobenzene	12.52	156	45748	18.069	ug/l	100
78) n-propylbenzene	12.59	91	229399	18.480	ug/l	100
79) 2-Chlorotoluene	12.67	91	134961	18.196	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	164051	18.399	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	21030	17.878	ug/l	100
82) 4-Chlorotoluene	12.77	91	138253	18.302	ug/l	100
83) tert-Butylbenzene	12.99	119	138939	18.797	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	163083	18.488	ug/l	99
85) sec-Butylbenzene	13.17	105	189024	19.018	ug/l	100
86) p-Isopropyltoluene	13.28	119	167128	18.699	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	81133	18.169	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	80764	18.002	ug/l	99
89) n-Butylbenzene	13.61	91	150205	18.614	ug/l	100
90) Hexachloroethane	13.87	117	26099	20.089	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	79956	18.726	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.26	75	11510	17.119	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	46579	17.764	ug/l	99
94) Hexachlorobutadiene	15.01	225	25563	19.888	ug/l	100
95) Naphthalene	15.13	128	131530	16.678	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	45097	17.462	ug/l	99

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

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