

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070419\
 Data File : VN056598.D
 Acq On : 3 Jul 2019 20:34
 Operator : JC/SP
 Sample : VN0704WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0704WBSD01

Manual Integrations
 APPROVED

MMDadoda
 7/8/2019 10:08:16 AM

Quant Time: Jul 03 23:36:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061919W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 21 03:45:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	278051	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	436252	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	382099	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	165391	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	159149	51.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.28%	
35) Dibromofluoromethane	7.59	113	139647	51.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.62%	
50) Toluene-d8	10.09	98	514479	48.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.16%	
62) 4-Bromofluorobenzene	12.40	95	175763	49.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.58%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.85	85	42507	18.054	ug/l	100
3) Chloromethane	2.06	50	57012	17.784	ug/l	98
4) Vinyl Chloride	2.18	62	56835	18.356	ug/l	95
5) Bromomethane	2.53	94	34937m	19.247	ug/l	
6) Chloroethane	2.68	64	31517	17.577	ug/l	99
7) Trichlorofluoromethane	3.00	101	75604	18.876	ug/l	100
8) Diethyl Ether	3.41	74	32580	19.220	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.75	101	48520	18.996	ug/l	99
10) Methyl Iodide	3.95	142	59961	17.369	ug/l	99
11) Tert butyl alcohol	4.80	59	62012	119.476	ug/l	97
12) 1,1-Dichloroethene	3.73	96	44792	18.236	ug/l	96
13) Acrolein	3.61	56	23208	53.053	ug/l	99
14) Allyl chloride	4.32	41	79909	19.543	ug/l	98
15) Acrylonitrile	4.99	53	153795	107.107	ug/l	98
16) Acetone	3.82	43	124674	80.750	ug/l	98
17) Carbon Disulfide	4.05	76	84722	15.165	ug/l	97
18) Methyl Acetate	4.33	43	70147	22.724	ug/l	97
19) Methyl tert-butyl Ether	5.05	73	165898	20.412	ug/l	99
20) Methylene Chloride	4.55	84	58002	19.383	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	49326	18.626	ug/l	98
22) Diisopropyl ether	5.96	45	182432	21.245	ug/l	96
23) Vinyl Acetate	5.90	43	719955	106.301	ug/l	100
24) 1,1-Dichloroethane	5.85	63	101006	20.491	ug/l	99
25) 2-Butanone	6.84	43	204691	100.170	ug/l	99
26) 2,2-Dichloropropane	6.82	77	61235	17.862	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	60820	19.630	ug/l	98
28) Bromochloromethane	7.20	49	49837	20.441	ug/l	97
29) Tetrahydrofuran	7.21	42	138314	110.762	ug/l	99
30) Chloroform	7.37	83	99514	20.460	ug/l	98
31) Cyclohexane	7.66	56	86602	18.199	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	77682	20.149	ug/l	97
36) 1,1-Dichloropropene	7.79	75	68863	17.934	ug/l	99
37) Ethyl Acetate	6.93	43	82437	21.846	ug/l	98
38) Carbon Tetrachloride	7.77	117	62202	18.524	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	79429	16.764	ug/l	96
40) Benzene	8.04	78	224920	19.043	ug/l	99
41) Methacrylonitrile	7.18	41	34347m	20.613	ug/l	
42) 1,2-Dichloroethane	8.13	62	76809	19.705	ug/l	100
43) Isopropyl Acetate	8.17	43	125267	21.528	ug/l #	92
44) Trichloroethene	8.84	130	57850	18.182	ug/l	98
45) 1,2-Dichloropropane	9.12	63	62426	19.763	ug/l	100
46) Dibromomethane	9.21	93	38344	19.403	ug/l	100
47) Bromodichloromethane	9.40	83	68315	19.491	ug/l	98
48) Methyl methacrylate	9.20	41	61741	21.174	ug/l	98
49) 1,4-Dioxane	9.21	88	26629	440.072	ug/l	94
51) 4-Methyl-2-Pentanone	9.99	43	414063	110.252	ug/l	100
52) Toluene	10.16	92	137547	19.048	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	70417	19.143	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	82193	19.473	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	58602	20.190	ug/l	98
56) Ethyl methacrylate	10.43	69	88052	20.758	ug/l	98
57) 1,3-Dichloropropane	10.71	76	98208	20.140	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	220571	144.740	ug/l	100
59) 2-Hexanone	10.75	43	296412	107.387	ug/l	99
60) Dibromochloromethane	10.90	129	53672	19.515	ug/l	100
61) 1,2-Dibromoethane	11.01	107	58271	19.656	ug/l	100
64) Tetrachloroethene	10.63	164	52869	17.472	ug/l	98
65) Chlorobenzene	11.43	112	146544	19.087	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	53103	20.464	ug/l	98
67) Ethyl Benzene	11.51	91	256515	19.028	ug/l	99
68) m/p-Xylenes	11.62	106	191569	38.775	ug/l	99
69) o-Xylene	11.95	106	95752	19.590	ug/l	98
70) Styrene	11.96	104	155433	19.895	ug/l	98
71) Bromoform	12.13	173	36159	19.330	ug/l #	100
73) Isopropylbenzene	12.25	105	251865	18.586	ug/l	99
74) N-amyl acetate	12.07	43	99271	18.859	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	85784	20.491	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	75130m	21.908	ug/l	
77) Bromobenzene	12.53	156	64571	17.460	ug/l	95
78) n-propylbenzene	12.59	91	273433	18.053	ug/l	99
79) 2-Chlorotoluene	12.67	91	168347	18.686	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	208249	18.588	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	18795	19.479	ug/l	95
82) 4-Chlorotoluene	12.77	91	163265	18.257	ug/l	99
83) tert-Butylbenzene	12.99	119	180630	18.158	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	203432	18.271	ug/l	99
85) sec-Butylbenzene	13.17	105	234839	17.641	ug/l	100
86) p-Isopropyltoluene	13.29	119	211901	18.548	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	103933	18.545	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	100824	18.576	ug/l	99
89) n-Butylbenzene	13.61	91	163323	18.884	ug/l	99
90) Hexachloroethane	13.87	117	29463	16.542	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	108208	19.461	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	13893	22.702	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	49484	20.785	ug/l	100
94) Hexachlorobutadiene	15.01	225	34843	17.261	ug/l	99
95) Naphthalene	15.13	128	141859	22.024	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	54204	20.928	ug/l	98

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

