

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111418\
 Data File : VN052321.D
 Acq On : 14 Nov 2018 18:55
 Operator : MD\SY
 Sample : VN1114WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1114WBSD01

Manual Integrations
 APPROVED

MMDadoda
 11/20/2018 2:53:34 PM

Quant Time: Nov 15 03:38:42 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N111418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 15 03:02:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	261677	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	443908	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	393368	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	156827	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	187168	50.64	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.28%	
35) Dibromofluoromethane	7.59	113	146253	51.08	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.16%	
50) Toluene-d8	10.09	98	559063	49.64	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.28%	
62) 4-Bromofluorobenzene	12.40	95	174593	47.12	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.24%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.85	85	57575	20.764	ug/l	98
3) Chloromethane	2.06	50	80542	20.901	ug/l	99
4) Vinyl Chloride	2.19	62	69195	20.773	ug/l	94
5) Bromomethane	2.58	94	40160	19.339	ug/l	99
6) Chloroethane	2.71	64	36798	19.539	ug/l	98
7) Trichlorofluoromethane	3.02	101	92921	20.159	ug/l	100
8) Diethyl Ether	3.41	74	35561	20.242	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.77	101	56148	19.289	ug/l	98
10) Methyl Iodide	3.96	142	75270	19.259	ug/l	99
11) Tert butyl alcohol	4.79	59	18415	94.348	ug/l #	72
12) 1,1-Dichloroethene	3.74	96	52802	19.602	ug/l	95
13) Acrolein	3.61	56	25025	99.373	ug/l	98
14) Allyl chloride	4.33	41	109503	19.798	ug/l	99
15) Acrylonitrile	4.99	53	111675	100.201	ug/l	98
16) Acetone	3.82	43	80421	79.031	ug/l	95
17) Carbon Disulfide	4.06	76	149105	19.303	ug/l	99
18) Methyl Acetate	4.33	43	62754	22.249	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	158171	20.433	ug/l	98
20) Methylene Chloride	4.55	84	62647	19.813	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	57971	19.989	ug/l	99
22) Diisopropyl ether	5.95	45	229493	20.335	ug/l	98
23) Vinyl Acetate	5.90	43	749957	97.961	ug/l	100
24) 1,1-Dichloroethane	5.86	63	120258	19.872	ug/l	99
25) 2-Butanone	6.84	43	133708	93.350	ug/l	98
26) 2,2-Dichloropropane	6.83	77	82566	18.555	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	65508	19.403	ug/l	96
28) Bromochloromethane	7.19	49	61703	19.830	ug/l	100
29) Tetrahydrofuran	7.21	42	95210	101.186	ug/l	99
30) Chloroform	7.37	83	128452	22.273	ug/l	96
31) Cyclohexane	7.66	56	111106	19.120	ug/l #	92
32) 1,1,1-Trichloroethane	7.57	97	95787	19.497	ug/l	98
36) 1,1-Dichloropropene	7.79	75	84671	19.030	ug/l	97
37) Ethyl Acetate	6.93	43	64268	19.903	ug/l	98
38) Carbon Tetrachloride	7.78	117	82290	20.131	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	97674	19.230	ug/l	99
40) Benzene	8.04	78	255066	20.067	ug/l	97
41) Methacrylonitrile	7.18	41	34672	21.600	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	91050	20.088	ug/l	98
43) Isopropyl Acetate	8.17	43	117766	18.900	ug/l	99
44) Trichloroethene	8.83	130	64778	20.689	ug/l	97
45) 1,2-Dichloropropane	9.12	63	71887	19.929	ug/l	99
46) Dibromomethane	9.21	93	41288	19.772	ug/l	98
47) Bromodichloromethane	9.40	83	87866	20.504	ug/l	98
48) Methyl methacrylate	9.20	41	59173	18.716	ug/l	99
49) 1,4-Dioxane	9.20	88	10190	419.845	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	320829	102.289	ug/l	100
52) Toluene	10.16	92	154442	20.311	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	82385	19.062	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	96824	19.653	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	53539	19.423	ug/l	96
56) Ethyl methacrylate	10.43	69	72202	19.917	ug/l	99
57) 1,3-Dichloropropane	10.71	76	99144	20.306	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	206680	100.143	ug/l	98
59) 2-Hexanone	10.75	43	206074	95.521	ug/l	100
60) Dibromochloromethane	10.90	129	58002	19.449	ug/l	100
61) 1,2-Dibromoethane	11.00	107	55799	20.322	ug/l	98
64) Tetrachloroethene	10.63	164	53987	19.305	ug/l	97
65) Chlorobenzene	11.43	112	163869	19.708	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	56876	20.059	ug/l	100
67) Ethyl Benzene	11.51	91	285004	19.749	ug/l	100
68) m/p-Xylenes	11.62	106	210478	39.917	ug/l	100
69) o-Xylene	11.95	106	102138	20.208	ug/l	100
70) Styrene	11.96	104	162926	20.131	ug/l	99
71) Bromoform	12.12	173	32540	19.437	ug/l #	97
73) Isopropylbenzene	12.25	105	267794	21.239	ug/l	100
74) N-amyl acetate	12.07	43	95796	21.331	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	68107	22.345	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	59684m	22.429	ug/l	
77) Bromobenzene	12.53	156	63285	21.571	ug/l	99
78) n-propylbenzene	12.59	91	297350	20.164	ug/l	98
79) 2-Chlorotoluene	12.67	91	178902	20.767	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	208913	20.835	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	15976	19.472	ug/l	93
82) 4-Chlorotoluene	12.77	91	183943	20.841	ug/l	98
83) tert-Butylbenzene	12.99	119	186628	21.082	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	200702	19.939	ug/l	99
85) sec-Butylbenzene	13.17	105	238197	19.753	ug/l	99
86) p-Isopropyltoluene	13.29	119	199971	19.577	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	105883	20.321	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	103455	19.971	ug/l	99
89) n-Butylbenzene	13.61	91	139691	15.922	ug/l	99
90) Hexachloroethane	13.87	117	36355	20.094	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	101338	20.075	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	9657	21.486	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	27919	13.607	ug/l	100
94) Hexachlorobutadiene	15.01	225	19934	17.253	ug/l	98
95) Naphthalene	15.13	128	68571	14.313	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	26697	13.918	ug/l	95

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

