

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080318\
 Data File : VN050313.D
 Acq On : 3 Aug 2018 15:23
 Operator : MD\SY
 Sample : VN0803WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0803WBS02

Manual Integrations
 APPROVED

MMDadoda
 8/6/2018 11:38:28 AM

Quant Time: Aug 03 23:53:35 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 26 18:10:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	602067	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	900382	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	796201	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	433263	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	429803	51.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.34%	
35) Dibromofluoromethane	7.59	113	376841	51.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.52%	
50) Toluene-d8	10.09	98	1352363	50.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.08%	
62) 4-Bromofluorobenzene	12.40	95	454616	51.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.16%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.85	85	177376	20.50	ug/l	99
3) Chloromethane	2.06	50	162463	17.28	ug/l	100
4) Vinyl Chloride	2.18	62	183199	18.50	ug/l	97
5) Bromomethane	2.56	94	68904	11.76	ug/l	97
6) Chloroethane	2.70	64	107400	18.06	ug/l	95
7) Trichlorofluoromethane	3.01	101	254537	19.84	ug/l	100
8) Diethyl Ether	3.41	74	90653	21.20	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.75	101	161468	20.93	ug/l	99
10) Methyl Iodide	3.95	142	71919	7.26	ug/l	99
11) Tert butyl alcohol	4.80	59	79741	129.02	ug/l	99
12) 1,1-Dichloroethene	3.73	96	135181	19.48	ug/l	95
13) Acrolein	3.61	56	79830	160.76	ug/l	99
14) Allyl chloride	4.32	41	216371	20.11	ug/l	96
15) Acrylonitrile	4.99	53	308966	114.58	ug/l	99
16) Acetone	3.82	43	288973	144.21	ug/l	99
17) Carbon Disulfide	4.05	76	380933	17.92	ug/l	100
18) Methyl Acetate	4.33	43	257921	32.96	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	411239	22.24	ug/l	99
20) Methylene Chloride	4.55	84	162567	21.10	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	144729	19.68	ug/l	97
22) Diisopropyl ether	5.96	45	476799	22.35	ug/l	98
23) Vinyl Acetate	5.90	43	1588919	105.39	ug/l	99
24) 1,1-Dichloroethane	5.85	63	288324	20.67	ug/l	99
25) 2-Butanone	6.84	43	386076	120.50	ug/l	100
26) 2,2-Dichloropropane	6.83	77	232609	21.92	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	165442	20.90	ug/l	99
28) Bromochloromethane	7.20	49	129091	20.29	ug/l	99
29) Tetrahydrofuran	7.22	42	248551	120.05	ug/l	100
30) Chloroform	7.37	83	297476	20.90	ug/l	99
31) Cyclohexane	7.65	56	222227	19.17	ug/l	91
32) 1,1,1-Trichloroethane	7.57	97	249487	20.49	ug/l	99
36) 1,1-Dichloropropene	7.79	75	205281	20.24	ug/l	99
37) Ethyl Acetate	6.93	43	156680	22.15	ug/l	99
38) Carbon Tetrachloride	7.78	117	213598	19.84	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	198818	19.05	ug/l	97
40) Benzene	8.04	78	641383	20.78	ug/l	99
41) Methacrylonitrile	7.18	41	79199	23.07	ug/l #	83
42) 1,2-Dichloroethane	8.13	62	218664	21.23	ug/l	100
43) Isopropyl Acetate	8.17	43	418469	30.96	ug/l #	89
44) Trichloroethene	8.83	130	170799	20.59	ug/l	99
45) 1,2-Dichloropropane	9.12	63	173178	21.18	ug/l	100
46) Dibromomethane	9.21	93	108194	21.31	ug/l	99
47) Bromodichloromethane	9.40	83	223150	20.83	ug/l	99
48) Methyl methacrylate	9.20	41	141469	23.23	ug/l	99
49) 1,4-Dioxane	9.20	88	40609	489.90	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	856139	123.14	ug/l	99
52) Toluene	10.16	92	384497	21.10	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	214109	21.18	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	243644	21.09	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	158172	21.89	ug/l	98
56) Ethyl methacrylate	10.43	69	197552	21.39	ug/l	98
57) 1,3-Dichloropropane	10.71	76	256675	21.81	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	429536	99.23	ug/l	98
59) 2-Hexanone	10.75	43	593220	118.89	ug/l	98
60) Dibromochloromethane	10.90	129	170563	21.32	ug/l	99
61) 1,2-Dibromoethane	11.01	107	153734	21.44	ug/l	100
64) Tetrachloroethene	10.63	164	173146	22.62	ug/l	98
65) Chlorobenzene	11.44	112	422275	21.00	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	164885	21.34	ug/l	100
67) Ethyl Benzene	11.51	91	686615	21.25	ug/l	100
68) m/p-Xylenes	11.62	106	544643	44.57	ug/l	100
69) o-Xylene	11.95	106	255690	21.95	ug/l	100
70) Styrene	11.97	104	425008	21.06	ug/l	100
71) Bromoform	12.13	173	121851	21.68	ug/l #	100
73) Isopropylbenzene	12.25	105	688511	20.49	ug/l	100
74) N-amyl acetate	12.07	43	247009	24.05	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	222645	23.88	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	180894m	22.47	ug/l	
77) Bromobenzene	12.53	156	186968	20.08	ug/l	97
78) n-propylbenzene	12.59	91	804676	21.42	ug/l	100
79) 2-Chlorotoluene	12.68	91	489532	21.03	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	591212	22.37	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	51870	20.43	ug/l	98
82) 4-Chlorotoluene	12.77	91	503506	21.84	ug/l	99
83) tert-Butylbenzene	12.99	119	500067	21.68	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	605545	22.73	ug/l	100
85) sec-Butylbenzene	13.17	105	661418	21.46	ug/l	100
86) p-Isopropyltoluene	13.29	119	572518	22.05	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	334778	21.21	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	330375	21.47	ug/l	99
89) n-Butylbenzene	13.62	91	471698	22.09	ug/l	99
90) Hexachloroethane	13.88	117	77162	13.38	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	334090	21.17	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	37522	24.65	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	188447	24.21	ug/l	98
94) Hexachlorobutadiene	15.01	225	106142	21.97	ug/l	99
95) Naphthalene	15.14	128	491752	27.07	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	188480	24.31	ug/l	99

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

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