

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021819\
 Data File : VN053834.D
 Acq On : 18 Feb 2019 11:11
 Operator : JC/SP
 Sample : VN0218WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0218WBS01

Manual Integrations
 APPROVED

MMDadoda
 2/19/2019 12:31:16 PM

Quant Time: Feb 19 03:27:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N013019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 01 09:11:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	554847	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	891155	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	783383	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	364090	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	295841	53.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.30%	
35) Dibromofluoromethane	7.59	113	284404	50.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.02%	
50) Toluene-d8	10.09	98	1018392	48.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.34%	
62) 4-Bromofluorobenzene	12.40	95	336459	47.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	107994	17.486	ug/l	100
3) Chloromethane	2.06	50	116312	17.657	ug/l	99
4) Vinyl Chloride	2.19	62	131514	20.567	ug/l	99
5) Bromomethane	2.57	94	96470	23.074	ug/l	97
6) Chloroethane	2.71	64	85120	23.294	ug/l	99
7) Trichlorofluoromethane	3.02	101	191742	22.112	ug/l	99
8) Diethyl Ether	3.41	74	67061	21.176	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	115426	21.523	ug/l	99
10) Methyl Iodide	3.96	142	161853	19.229	ug/l	100
11) Tert butyl alcohol	4.78	59	43292	131.419	ug/l #	88
12) 1,1-Dichloroethene	3.74	96	108238	21.066	ug/l	97
13) Acrolein	3.62	56	7358	41.025	ug/l	98
14) Allyl chloride	4.33	41	173100	21.159	ug/l	99
15) Acrylonitrile	4.99	53	199608	112.242	ug/l	98
16) Acetone	3.82	43	174756	122.400	ug/l	98
17) Carbon Disulfide	4.06	76	284136	17.760	ug/l	99
18) Methyl Acetate	4.33	43	115420	27.297	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	281787	21.634	ug/l	98
20) Methylene Chloride	4.55	84	128923	21.523	ug/l	95
21) trans-1,2-Dichloroethene	5.05	96	106757	19.259	ug/l	95
22) Diisopropyl ether	5.95	45	307796	20.305	ug/l	96
23) Vinyl Acetate	5.90	43	1052809	100.398	ug/l	99
24) 1,1-Dichloroethane	5.85	63	201007	19.881	ug/l	100
25) 2-Butanone	6.84	43	224144	110.076	ug/l	100
26) 2,2-Dichloropropane	6.83	77	151873	19.678	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	126603	20.540	ug/l	96
28) Bromochloromethane	7.19	49	79096	18.027	ug/l	95
29) Tetrahydrofuran	7.21	42	146045	111.693	ug/l	97
30) Chloroform	7.37	83	207196	20.673	ug/l	97
31) Cyclohexane	7.66	56	171680	18.130	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	172334	20.661	ug/l	98
36) 1,1-Dichloropropene	7.79	75	146193	18.199	ug/l	99
37) Ethyl Acetate	6.93	43	93808	20.909	ug/l	99
38) Carbon Tetrachloride	7.78	117	151941	18.775	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.08	83	160238	16.813	ug/l	100
40) Benzene	8.04	78	454407	18.343	ug/l	100
41) Methacrylonitrile	7.19	41	55673m	22.202	ug/l	
42) 1,2-Dichloroethane	8.12	62	138653	18.850	ug/l	99
43) Isopropyl Acetate	8.17	43	176981	20.426	ug/l #	84
44) Trichloroethene	8.84	130	128362	18.201	ug/l	98
45) 1,2-Dichloropropane	9.12	63	120308	18.988	ug/l	99
46) Dibromomethane	9.21	93	74899	19.610	ug/l	98
47) Bromodichloromethane	9.40	83	154210	19.418	ug/l	98
48) Methyl methacrylate	9.20	41	75526	18.261	ug/l	94
49) 1,4-Dioxane	9.20	88	26201	459.198	ug/l #	93
51) 4-Methyl-2-Pentanone	9.99	43	442783	103.994	ug/l	99
52) Toluene	10.16	92	280106	19.052	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	149978	18.860	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	178683	18.962	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	108739	20.525	ug/l	98
56) Ethyl methacrylate	10.43	69	123707	19.738	ug/l	98
57) 1,3-Dichloropropane	10.71	76	179296	19.802	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	282917	78.465	ug/l	98
59) 2-Hexanone	10.75	43	287280	99.388	ug/l	99
60) Dibromochloromethane	10.90	129	121171	20.282	ug/l	99
61) 1,2-Dibromoethane	11.00	107	101615	19.379	ug/l	99
64) Tetrachloroethene	10.63	164	129005	19.211	ug/l	98
65) Chlorobenzene	11.43	112	309657	18.609	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	116527	20.052	ug/l	98
67) Ethyl Benzene	11.51	91	501259	18.338	ug/l	100
68) m/p-Xylenes	11.62	106	393090	37.679	ug/l	98
69) o-Xylene	11.95	106	191444	18.995	ug/l	98
70) Styrene	11.96	104	310085	18.982	ug/l	99
71) Bromoform	12.13	173	83484	20.954	ug/l #	98
73) Isopropylbenzene	12.25	105	506793	19.800	ug/l	99
74) N-amyl acetate	12.07	43	120462	19.572	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	125063	20.417	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	112605m	24.079	ug/l	
77) Bromobenzene	12.53	156	136872	19.842	ug/l	98
78) n-propylbenzene	12.59	91	570076	19.267	ug/l	100
79) 2-Chlorotoluene	12.67	91	342274	19.498	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	429714	20.246	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	32309	19.427	ug/l	98
82) 4-Chlorotoluene	12.77	91	346793	19.253	ug/l	99
83) tert-Butylbenzene	12.99	119	389047	20.740	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	432751	20.013	ug/l	99
85) sec-Butylbenzene	13.17	105	518721	20.320	ug/l	99
86) p-Isopropyltoluene	13.29	119	446941	20.019	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	233400	18.822	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	231164	18.846	ug/l	99
89) n-Butylbenzene	13.62	91	349319	18.077	ug/l	99
90) Hexachloroethane	13.87	117	78392	21.288	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	234340	19.740	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	18510	21.203	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	117705	17.288	ug/l	98
94) Hexachlorobutadiene	15.01	225	88875	20.960	ug/l	99
95) Naphthalene	15.13	128	231928	15.734	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	118792	18.804	ug/l	99

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

