

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022219\
 Data File : VN053909.D
 Acq On : 22 Feb 2019 12:12
 Operator : JC/SP
 Sample : VN0222WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0222WBSD01

Manual Integrations
 APPROVED

MMDadoda
 2/25/2019 10:42:39 AM

Quant Time: Feb 22 22:38:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022019W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 21 03:36:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	613668	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	968793	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	813239	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	368204	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	315917	50.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.74%	
35) Dibromofluoromethane	7.59	113	306440	48.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.40%	
50) Toluene-d8	10.09	98	1146256	49.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.84%	
62) 4-Bromofluorobenzene	12.40	95	360221	47.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.02%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	103514	19.415	ug/l 98
3) Chloromethane	2.06	50	136114	20.535	ug/l 99
4) Vinyl Chloride	2.19	62	139578	19.617	ug/l 99
5) Bromomethane	2.57	94	105848	20.314	ug/l 99
6) Chloroethane	2.71	64	89804	19.529	ug/l 97
7) Trichlorofluoromethane	3.02	101	188920	18.698	ug/l 99
8) Diethyl Ether	3.41	74	67301	18.949	ug/l 96
9) 1,1,2-Trichlorotrifluoroet	3.76	101	114378	18.784	ug/l 99
10) Methyl Iodide	3.96	142	167819	18.585	ug/l 100
11) Tert butyl alcohol	4.77	59	37357	95.417	ug/l 97
12) 1,1-Dichloroethene	3.74	96	107885	18.944	ug/l 98
13) Acrolein	3.61	56	34897	124.707	ug/l 99
14) Allyl chloride	4.33	41	166848	19.359	ug/l 100
15) Acrylonitrile	4.99	53	197688	100.231	ug/l 100
16) Acetone	3.82	43	150728	87.388	ug/l 99
17) Carbon Disulfide	4.06	76	323214	18.325	ug/l 99
18) Methyl Acetate	4.33	43	78103	19.186	ug/l 99
19) Methyl tert-butyl Ether	5.05	73	289367	20.027	ug/l 99
20) Methylene Chloride	4.55	84	126421	19.578	ug/l 99
21) trans-1,2-Dichloroethene	5.05	96	116824	19.545	ug/l 99
22) Diisopropyl ether	5.95	45	329886	20.533	ug/l 96
23) Vinyl Acetate	5.90	43	1154271	99.935	ug/l 100
24) 1,1-Dichloroethane	5.85	63	214793	19.746	ug/l 99
25) 2-Butanone	6.84	43	209028	93.917	ug/l 100
26) 2,2-Dichloropropane	6.83	77	162329	19.666	ug/l 100
27) cis-1,2-Dichloroethene	6.83	96	134170	20.038	ug/l 99
28) Bromochloromethane	7.19	49	99403	20.938	ug/l 97
29) Tetrahydrofuran	7.21	42	142009	98.659	ug/l 100
30) Chloroform	7.37	83	213310	19.516	ug/l 99
31) Cyclohexane	7.66	56	195494	19.296	ug/l 96
32) 1,1,1-Trichloroethane	7.57	97	182385	19.503	ug/l 99
36) 1,1-Dichloropropene	7.79	75	162327	18.280	ug/l 98
37) Ethyl Acetate	6.93	43	94497	17.821	ug/l 99
38) Carbon Tetrachloride	7.77	117	167021	18.838	ug/l 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	194718	19.029	ug/l	99
40) Benzene	8.04	78	499670	19.034	ug/l	98
41) Methacrylonitrile	7.18	41	47528	16.144	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	147951	18.905	ug/l	100
43) Isopropyl Acetate	8.17	43	169985	17.946	ug/l #	87
44) Trichloroethene	8.84	130	142399	19.377	ug/l	97
45) 1,2-Dichloropropane	9.12	63	134122	20.012	ug/l	99
46) Dibromomethane	9.21	93	81625	20.226	ug/l	99
47) Bromodichloromethane	9.40	83	175073	20.565	ug/l	99
48) Methyl methacrylate	9.20	41	77834	19.166	ug/l	88
49) 1,4-Dioxane	9.20	88	25007	393.974	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	441028	94.780	ug/l	99
52) Toluene	10.16	92	309005	19.863	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	160175	19.376	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	194474	19.959	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	111667	19.635	ug/l	97
56) Ethyl methacrylate	10.43	69	121688	18.282	ug/l	99
57) 1,3-Dichloropropane	10.71	76	184566	19.275	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	269044	90.619	ug/l	99
59) 2-Hexanone	10.75	43	269436	90.666	ug/l	99
60) Dibromochloromethane	10.90	129	126250	19.019	ug/l	97
61) 1,2-Dibromoethane	11.01	107	105284	18.634	ug/l	99
64) Tetrachloroethene	10.63	164	139774	19.221	ug/l	98
65) Chlorobenzene	11.43	112	327895	19.263	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	123491	19.880	ug/l	100
67) Ethyl Benzene	11.51	91	543716	19.737	ug/l	100
68) m/p-Xylenes	11.62	106	425384	39.880	ug/l	100
69) o-Xylene	11.95	106	207575	20.214	ug/l	99
70) Styrene	11.96	104	320933	19.916	ug/l	99
71) Bromoform	12.13	173	86707	19.669	ug/l #	99
73) Isopropylbenzene	12.25	105	543016	20.934	ug/l	100
74) N-amyl acetate	12.07	43	115557	19.399	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	125853	20.522	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	96033m	17.767	ug/l	
77) Bromobenzene	12.53	156	141349	20.313	ug/l	98
78) n-propylbenzene	12.59	91	609170	21.001	ug/l	100
79) 2-Chlorotoluene	12.67	91	365851	20.918	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	463321	21.519	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	31568	19.280	ug/l	97
82) 4-Chlorotoluene	12.77	91	355218	20.386	ug/l	100
83) tert-Butylbenzene	12.99	119	413463	21.386	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	458096	21.213	ug/l	99
85) sec-Butylbenzene	13.17	105	543121	20.864	ug/l	100
86) p-Isopropyltoluene	13.29	119	469192	20.768	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	241558	19.894	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	234351	19.182	ug/l	98
89) n-Butylbenzene	13.62	91	363485	19.565	ug/l	100
90) Hexachloroethane	13.87	117	83617	19.374	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	239139	20.074	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	17655	19.729	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	114900	17.916	ug/l	99
94) Hexachlorobutadiene	15.01	225	91066	18.330	ug/l	99
95) Naphthalene	15.13	128	209278	17.616	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	113638	18.309	ug/l	98

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

