

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092019\
 Data File : VN058251.D
 Acq On : 20 Sep 2019 15:36
 Operator : JC/SP
 Sample : VN0920WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0920WBS02

Manual Integrations
 APPROVED

MMDadoda
 9/23/2019 3:30:22 PM

Quant Time: Sep 21 01:46:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 09:27:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	442231	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	749567	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	671366	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	324180	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	332917	54.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.10%	
35) Dibromofluoromethane	7.58	113	237670	52.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.32%	
50) Toluene-d8	10.08	98	932862	52.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.08%	
62) 4-Bromofluorobenzene	12.41	95	334967	50.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	68793	18.936	ug/l	99
3) Chloromethane	2.04	50	59266	20.556	ug/l	98
4) Vinyl Chloride	2.17	62	61777	19.624	ug/l	98
5) Bromomethane	2.55	94	31895	20.115	ug/l	98
6) Chloroethane	2.69	64	43525	21.180	ug/l	99
7) Trichlorofluoromethane	3.00	101	95532	19.266	ug/l	99
8) Diethyl Ether	3.39	74	45935	20.218	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.74	101	70828	19.811	ug/l	99
10) Methyl Iodide	3.93	142	53892	17.990	ug/l	99
11) Tert butyl alcohol	4.76	59	80352	109.669	ug/l	99
12) 1,1-Dichloroethene	3.72	96	54398	19.835	ug/l	95
13) Acrolein	3.59	56	11254	103.647	ug/l	98
14) Allyl chloride	4.30	41	113710	19.437	ug/l	98
15) Acrylonitrile	4.96	53	217094	111.213	ug/l	100
16) Acetone	3.80	43	219847	105.152	ug/l	100
17) Carbon Disulfide	4.03	76	67304	17.799	ug/l #	95
18) Methyl Acetate	4.30	43	116965	21.261	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	284136	21.072	ug/l	97
20) Methylene Chloride	4.53	84	77231	20.970	ug/l	98
21) trans-1,2-Dichloroethene	5.02	96	60238	20.134	ug/l	98
22) Diisopropyl ether	5.93	45	306889	20.652	ug/l	97
23) Vinyl Acetate	5.88	43	1102494	108.424	ug/l	99
24) 1,1-Dichloroethane	5.83	63	163351	20.596	ug/l	99
25) 2-Butanone	6.82	43	311573	109.385	ug/l	97
26) 2,2-Dichloropropane	6.81	77	128001	19.023	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	89979	20.064	ug/l	99
28) Bromochloromethane	7.17	49	84303	22.469	ug/l	98
29) Tetrahydrofuran	7.19	42	192076	109.474	ug/l	99
30) Chloroform	7.36	83	172075	20.156	ug/l	99
31) Cyclohexane	7.64	56	108716	19.745	ug/l #	93
32) 1,1,1-Trichloroethane	7.55	97	132093	20.324	ug/l	99
36) 1,1-Dichloropropene	7.78	75	98206	18.168	ug/l	98
37) Ethyl Acetate	6.91	43	114054	20.332	ug/l	99
38) Carbon Tetrachloride	7.76	117	103340	19.018	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	100127	19.202	ug/l	96
40) Benzene	8.03	78	324101	19.630	ug/l	100
41) Methacrylonitrile	7.16	41	59755m	21.670	ug/l	
42) 1,2-Dichloroethane	8.11	62	138733	20.026	ug/l	100
43) Isopropyl Acetate	8.15	43	209144	19.963	ug/l	100
44) Trichloroethene	8.83	130	79955	19.790	ug/l	99
45) 1,2-Dichloropropane	9.11	63	100997	20.484	ug/l	98
46) Dibromomethane	9.20	93	62700	20.916	ug/l	96
47) Bromodichloromethane	9.40	83	129656	20.645	ug/l	99
48) Methyl methacrylate	9.19	41	99503	20.918	ug/l	99
49) 1,4-Dioxane	9.19	88	33660	430.991	ug/l	96
51) 4-Methyl-2-Pentanone	9.98	43	665090	119.518	ug/l	99
52) Toluene	10.15	92	202442	19.565	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	126381	19.646	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	141336	19.899	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	94888	20.665	ug/l	98
56) Ethyl methacrylate	10.43	69	139285	21.024	ug/l	99
57) 1,3-Dichloropropane	10.71	76	163229	20.678	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	356743	113.045	ug/l	99
59) 2-Hexanone	10.75	43	484433	117.214	ug/l	97
60) Dibromochloromethane	10.90	129	88854	20.114	ug/l	99
61) 1,2-Dibromoethane	11.00	107	87181	20.487	ug/l	99
64) Tetrachloroethene	10.63	164	60232	18.404	ug/l	98
65) Chlorobenzene	11.43	112	234865	19.889	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	88481	20.664	ug/l	99
67) Ethyl Benzene	11.51	91	421341	20.823	ug/l	99
68) m/p-Xylenes	11.62	106	302540	39.699	ug/l	97
69) o-Xylene	11.95	106	152824	20.394	ug/l	99
70) Styrene	11.97	104	263039	20.373	ug/l	99
71) Bromoform	12.13	173	54485	19.524	ug/l #	99
73) Isopropylbenzene	12.25	105	435397	21.457	ug/l	99
74) N-amyl acetate	12.07	43	184602	21.747	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	148136	21.800	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	136153m	23.467	ug/l	
77) Bromobenzene	12.53	156	100455	19.681	ug/l	96
78) n-propylbenzene	12.60	91	502726	21.802	ug/l	99
79) 2-Chlorotoluene	12.68	91	303500	21.061	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	371320	21.640	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	31735	20.178	ug/l	84
82) 4-Chlorotoluene	12.78	91	312417	20.624	ug/l	99
83) tert-Butylbenzene	13.00	119	325182	21.251	ug/l	99
84) 1,2,4-Trimethylbenzene	13.05	105	380122	22.261	ug/l	99
85) sec-Butylbenzene	13.18	105	440560	22.017	ug/l	100
86) p-Isopropyltoluene	13.29	119	390258	21.938	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	195697	20.991	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	195933	20.586	ug/l	99
89) n-Butylbenzene	13.62	91	360792	21.392	ug/l	99
90) Hexachloroethane	13.88	117	58007	20.368	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	197578	21.127	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	26191	21.409	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	118438	19.822	ug/l	99
94) Hexachlorobutadiene	15.02	225	58617	20.297	ug/l	97
95) Naphthalene	15.13	128	325260	21.005	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	115603	20.470	ug/l	99

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

