

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091119\
 Data File : VN057865.D
 Acq On : 10 Sep 2019 16:17
 Operator : JC/SP
 Sample : VN0911WBSD01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0911WBSD01

Manual Integrations
 APPROVED

MMDadoda
 9/13/2019 7:06:11 AM

Quant Time: Sep 11 04:15:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 03:02:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	316033	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	524423	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	486779	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	280505	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	330190	51.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.16%	
35) Dibromofluoromethane	7.58	113	233708	48.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.56%	
50) Toluene-d8	10.09	98	960118	51.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.18%	
62) 4-Bromofluorobenzene	12.40	95	328532	45.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.74%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	89763	20.538	ug/l	97
3) Chloromethane	2.03	50	84218	18.906	ug/l	98
4) Vinyl Chloride	2.16	62	91121	19.328	ug/l	99
5) Bromomethane	2.54	94	52333	19.264	ug/l	100
6) Chloroethane	2.68	64	56457	18.793	ug/l	94
7) Trichlorofluoromethane	2.99	101	102734	17.316	ug/l	100
8) Diethyl Ether	3.39	74	47247	19.093	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	75646	20.211	ug/l	99
10) Methyl Iodide	3.93	142	73118	17.556	ug/l	98
11) Tert butyl alcohol	4.77	59	76855	99.203	ug/l #	87
12) 1,1-Dichloroethene	3.72	96	63016	18.726	ug/l	97
13) Acrolein	3.58	56	53732	81.750	ug/l	98
14) Allyl chloride	4.30	41	121296	18.418	ug/l	99
15) Acrylonitrile	4.96	53	212372	99.733	ug/l	99
16) Acetone	3.80	43	198244	94.475	ug/l	99
17) Carbon Disulfide	4.03	76	94136	18.075	ug/l	98
18) Methyl Acetate	4.30	43	118779	21.230	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	281151	20.075	ug/l	98
20) Methylene Chloride	4.53	84	86303	20.888	ug/l	98
21) trans-1,2-Dichloroethene	5.02	96	69174	19.015	ug/l	97
22) Diisopropyl ether	5.93	45	311777	20.187	ug/l	97
23) Vinyl Acetate	5.88	43	1126218	102.896	ug/l	99
24) 1,1-Dichloroethane	5.82	63	169268	20.054	ug/l	99
25) 2-Butanone	6.82	43	300952	99.093	ug/l	99
26) 2,2-Dichloropropane	6.80	77	127797	19.132	ug/l	98
27) cis-1,2-Dichloroethene	6.81	96	94400	19.364	ug/l	100
28) Bromochloromethane	7.18	49	83522	19.807	ug/l	98
29) Tetrahydrofuran	7.20	42	185555	99.150	ug/l	99
30) Chloroform	7.36	83	173914	19.706	ug/l	99
31) Cyclohexane	7.64	56	120476	19.585	ug/l	96
32) 1,1,1-Trichloroethane	7.55	97	134206	19.174	ug/l	98
36) 1,1-Dichloropropene	7.78	75	110052	18.095	ug/l	98
37) Ethyl Acetate	6.91	43	120834	19.230	ug/l	99
38) Carbon Tetrachloride	7.76	117	105136	18.934	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	116426	18.210	ug/l	99
40) Benzene	8.03	78	352901	19.273	ug/l	98
41) Methacrylonitrile	7.16	41	57194m	20.051	ug/l	
42) 1,2-Dichloroethane	8.11	62	142067	19.400	ug/l	100
43) Isopropyl Acetate	8.15	43	217079	20.543	ug/l #	88
44) Trichloroethene	8.83	130	86330	19.223	ug/l	98
45) 1,2-Dichloropropane	9.11	63	104967	19.701	ug/l	99
46) Dibromomethane	9.20	93	63113	19.602	ug/l	98
47) Bromodichloromethane	9.40	83	124154	19.311	ug/l	97
48) Methyl methacrylate	9.19	41	99132	18.493	ug/l	99
49) 1,4-Dioxane	9.19	88	34595	381.637	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	650686	104.054	ug/l	100
52) Toluene	10.15	92	222584	19.300	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	127385	18.815	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	143544	19.203	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	96150	19.682	ug/l	96
56) Ethyl methacrylate	10.43	69	139670	18.986	ug/l	97
57) 1,3-Dichloropropane	10.71	76	167493	19.895	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	339168	97.889	ug/l	100
59) 2-Hexanone	10.75	43	465374	99.287	ug/l	99
60) Dibromochloromethane	10.90	129	83593	18.428	ug/l	99
61) 1,2-Dibromoethane	11.00	107	89343	19.345	ug/l	99
64) Tetrachloroethene	10.63	164	66723	18.564	ug/l	97
65) Chlorobenzene	11.43	112	245948	19.306	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	86286	19.520	ug/l	99
67) Ethyl Benzene	11.51	91	441628	19.781	ug/l	99
68) m/p-Xylenes	11.62	106	326701	39.948	ug/l	99
69) o-Xylene	11.95	106	161950	19.919	ug/l	100
70) Styrene	11.97	104	276120	19.734	ug/l	99
71) Bromoform	12.13	173	50063	18.165	ug/l #	97
73) Isopropylbenzene	12.25	105	439726	20.202	ug/l	99
74) N-amyl acetate	12.07	43	190006	20.058	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	144097	19.662	ug/l	96
76) 1,2,3-Trichloropropane	12.56	75	119783m	18.877	ug/l	
77) Bromobenzene	12.53	156	102161	18.825	ug/l	98
78) n-propylbenzene	12.59	91	515901	20.641	ug/l	100
79) 2-Chlorotoluene	12.68	91	308532	19.531	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	376723	20.484	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	31802	17.636	ug/l	90
82) 4-Chlorotoluene	12.78	91	316471	19.508	ug/l	99
83) tert-Butylbenzene	13.00	119	333504	20.400	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	377741	20.209	ug/l	100
85) sec-Butylbenzene	13.18	105	443736	20.479	ug/l	99
86) p-Isopropyltoluene	13.29	119	396044	20.744	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	194212	19.497	ug/l	98
88) 1,4-Dichlorobenzene	13.37	146	195087	19.295	ug/l	99
89) n-Butylbenzene	13.62	91	363440	20.158	ug/l	100
90) Hexachloroethane	13.88	117	53047	18.683	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	194201	19.515	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	22768	18.812	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	115312	17.728	ug/l	98
94) Hexachlorobutadiene	15.01	225	53251	19.313	ug/l	98
95) Naphthalene	15.13	128	327713	18.983	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	111984	20.326	ug/l	97

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

