

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091119\
 Data File : VN057863.D
 Acq On : 10 Sep 2019 15:33
 Operator : JC/SP
 Sample : VN0911WBS01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0911WBS01

Manual Integrations
 APPROVED

MMDadoda
 9/13/2019 7:06:08 AM

Quant Time: Sep 11 04:11:33 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	316082	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	517547	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	486104	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	280208	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	328832	51.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.72%	
35) Dibromofluoromethane	7.58	113	233983	48.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.96%	
50) Toluene-d8	10.08	98	958989	51.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.42%	
62) 4-Bromofluorobenzene	12.40	95	327484	46.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.68%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.83	85	92491	21.159	ug/l	96
3) Chloromethane	2.03	50	87065	19.542	ug/l	99
4) Vinyl Chloride	2.16	62	92220	19.558	ug/l	100
5) Bromomethane	2.54	94	53591	19.762	ug/l	98
6) Chloroethane	2.68	64	57483	19.131	ug/l	99
7) Trichlorofluoromethane	2.99	101	115595	19.480	ug/l	100
8) Diethyl Ether	3.39	74	47133	19.044	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	75888	20.273	ug/l	98
10) Methyl Iodide	3.93	142	74053	17.777	ug/l	100
11) Tert butyl alcohol	4.77	59	80160	103.453	ug/l #	87
12) 1,1-Dichloroethene	3.71	96	64026	19.023	ug/l	97
13) Acrolein	3.58	56	53891	81.979	ug/l	100
14) Allyl chloride	4.30	41	123023	18.677	ug/l	98
15) Acrylonitrile	4.96	53	213197	100.105	ug/l	99
16) Acetone	3.80	43	212749	101.372	ug/l	99
17) Carbon Disulfide	4.03	76	92870	17.831	ug/l	98
18) Methyl Acetate	4.31	43	126304	22.572	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	285421	20.377	ug/l	96
20) Methylene Chloride	4.53	84	85363	20.643	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	69723	19.163	ug/l	97
22) Diisopropyl ether	5.93	45	313871	20.320	ug/l	96
23) Vinyl Acetate	5.87	43	1132778	103.479	ug/l	99
24) 1,1-Dichloroethane	5.83	63	167290	19.817	ug/l	100
25) 2-Butanone	6.82	43	308203	101.465	ug/l	100
26) 2,2-Dichloropropane	6.81	77	131153	19.631	ug/l	98
27) cis-1,2-Dichloroethene	6.81	96	95561	19.599	ug/l	98
28) Bromochloromethane	7.18	49	88103	20.890	ug/l	99
29) Tetrahydrofuran	7.20	42	188927	100.936	ug/l	99
30) Chloroform	7.36	83	173655	19.674	ug/l	99
31) Cyclohexane	7.64	56	123763	20.180	ug/l	96
32) 1,1,1-Trichloroethane	7.55	97	137480	19.639	ug/l	98
36) 1,1-Dichloropropene	7.78	75	108369	18.055	ug/l	99
37) Ethyl Acetate	6.91	43	121635	19.614	ug/l	100
38) Carbon Tetrachloride	7.76	117	105799	19.307	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	117443	18.613	ug/l	96
40) Benzene	8.03	78	355581	19.677	ug/l	97
41) Methacrylonitrile	7.15	41	42578m	15.125	ug/l	
42) 1,2-Dichloroethane	8.11	62	144580	20.005	ug/l	90
43) Isopropyl Acetate	8.15	43	211504	20.281	ug/l	98
44) Trichloroethene	8.83	130	83645	18.872	ug/l	97
45) 1,2-Dichloropropane	9.11	63	104596	19.892	ug/l	99
46) Dibromomethane	9.20	93	62909	19.799	ug/l	99
47) Bromodichloromethane	9.40	83	127003	20.016	ug/l	97
48) Methyl methacrylate	9.19	41	102358	19.349	ug/l	99
49) 1,4-Dioxane	9.19	88	36018	402.614	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	658573	106.714	ug/l	99
52) Toluene	10.15	92	223211	19.612	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	130992	19.605	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	145250	19.690	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	98704	20.473	ug/l	98
56) Ethyl methacrylate	10.43	69	143511	19.767	ug/l	99
57) 1,3-Dichloropropane	10.71	76	167496	20.160	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.69	63	341922	99.995	ug/l	99
59) 2-Hexanone	10.75	43	481169	104.021	ug/l	99
60) Dibromochloromethane	10.90	129	83657	18.687	ug/l	97
61) 1,2-Dibromoethane	11.00	107	90069	19.761	ug/l	99
64) Tetrachloroethene	10.63	164	68152	18.988	ug/l	99
65) Chlorobenzene	11.43	112	246599	19.384	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	85216	19.304	ug/l	98
67) Ethyl Benzene	11.51	91	441950	19.823	ug/l	99
68) m/p-Xylenes	11.62	106	327679	40.124	ug/l	99
69) o-Xylene	11.95	106	157552	19.405	ug/l	96
70) Styrene	11.97	104	282346	20.207	ug/l	99
71) Bromoform	12.13	173	51463	18.699	ug/l #	98
73) Isopropylbenzene	12.25	105	450266	20.708	ug/l	100
74) N-amyl acetate	12.07	43	187536	19.818	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.51	83	146641	20.030	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	118616m	18.713	ug/l	
77) Bromobenzene	12.53	156	104598	19.295	ug/l	99
78) n-propylbenzene	12.59	91	521046	20.869	ug/l	98
79) 2-Chlorotoluene	12.68	91	311175	19.719	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	377210	20.532	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	33183	18.422	ug/l	90
82) 4-Chlorotoluene	12.78	91	323306	19.950	ug/l	100
83) tert-Butylbenzene	13.00	119	329621	20.184	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	379717	20.336	ug/l	100
85) sec-Butylbenzene	13.17	105	448354	20.714	ug/l	99
86) p-Isopropyltoluene	13.29	119	397710	20.853	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	194067	19.503	ug/l	100
88) 1,4-Dichlorobenzene	13.37	146	192771	19.086	ug/l	98
89) n-Butylbenzene	13.62	91	361405	20.066	ug/l	99
90) Hexachloroethane	13.88	117	56271	19.839	ug/l	94
91) 1,2-Dichlorobenzene	13.66	146	196803	19.797	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.28	75	24043	19.886	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	117359	18.062	ug/l	98
94) Hexachlorobutadiene	15.01	225	53740	19.511	ug/l	98
95) Naphthalene	15.13	128	334712	19.445	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	111977	20.345	ug/l	99

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

