

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090619\
 Data File : VN057708.D
 Acq On : 5 Sep 2019 20:46
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN090619

Manual Integrations
 APPROVED

MMDadoda
 9/9/2019 1:10:45 PM

Quant Time: Sep 06 03:56:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N090619W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 06 03:46:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	202993	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	342834	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	310036	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	174179	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	258870	52.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.84%	
35) Dibromofluoromethane	7.57	113	162146	51.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.84%	
50) Toluene-d8	10.08	98	592881	51.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.64%	
62) 4-Bromofluorobenzene	12.40	95	239596	49.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.88%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.83	85	163414	50.693	ug/l	97
3) Chloromethane	2.04	50	174625	46.545	ug/l	100
4) Vinyl Chloride	2.17	62	140621	50.371	ug/l	99
5) Bromomethane	2.53	94	72850m	56.819	ug/l	
6) Chloroethane	2.68	64	82889	50.293	ug/l	93
7) Trichlorofluoromethane	3.00	101	211613	47.232	ug/l	98
8) Diethyl Ether	3.39	74	87638	48.954	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.73	101	139318	49.825	ug/l	99
10) Methyl Iodide	3.93	142	155084	55.979	ug/l	99
11) Tert butyl alcohol	4.76	59	140160	249.808	ug/l #	83
12) 1,1-Dichloroethene	3.72	96	129234	51.370	ug/l	97
13) Acrolein	3.58	56	63976	239.762	ug/l	95
14) Allyl chloride	4.30	41	291294	50.669	ug/l	98
15) Acrylonitrile	4.96	53	370955	257.163	ug/l	99
16) Acetone	3.79	43	359081	236.289	ug/l	100
17) Carbon Disulfide	4.03	76	297488	52.192	ug/l	100
18) Methyl Acetate	4.30	43	199809	48.350	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	532157	50.385	ug/l	99
20) Methylene Chloride	4.53	84	154010	46.871	ug/l	92
21) trans-1,2-Dichloroethene	5.01	96	133791	50.540	ug/l	99
22) Diisopropyl ether	5.93	45	611884	50.314	ug/l	97
23) Vinyl Acetate	5.87	43	2615664	265.726	ug/l	99
24) 1,1-Dichloroethane	5.83	63	311830	50.008	ug/l	98
25) 2-Butanone	6.81	43	554604	254.840	ug/l	99
26) 2,2-Dichloropropane	6.81	77	259360	49.857	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	167628	50.448	ug/l	98
28) Bromochloromethane	7.18	49	164857	50.529	ug/l	100
29) Tetrahydrofuran	7.19	42	347279	247.442	ug/l	99
30) Chloroform	7.36	83	325632	50.115	ug/l	99
31) Cyclohexane	7.64	56	258092	46.565	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	284657	52.595	ug/l	99
36) 1,1-Dichloropropene	7.78	75	221966	48.667	ug/l	99
37) Ethyl Acetate	6.91	43	238704	52.718	ug/l	99
38) Carbon Tetrachloride	7.76	117	225021	51.526	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	236832	49.093	ug/l	99
40) Benzene	8.03	78	630590	48.881	ug/l	99
41) Methacrylonitrile	7.15	41	119685	54.074	ug/l #	89
42) 1,2-Dichloroethane	8.11	62	297801	49.249	ug/l	99
43) Isopropyl Acetate	8.15	43	434284	49.969	ug/l #	90
44) Trichloroethene	8.82	130	148620	51.259	ug/l	98
45) 1,2-Dichloropropane	9.11	63	179600	49.779	ug/l	97
46) Dibromomethane	9.20	93	118897	51.374	ug/l	99
47) Bromodichloromethane	9.40	83	250972	51.026	ug/l #	97
48) Methyl methacrylate	9.19	41	216905	48.527	ug/l	100
49) 1,4-Dioxane	9.19	88	52903	1017.232	ug/l	95
51) 4-Methyl-2-Pentanone	9.98	43	1244689	257.878	ug/l	100
52) Toluene	10.15	92	388562	49.696	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	260835	52.860	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	280121	52.543	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	156307	49.675	ug/l	96
56) Ethyl methacrylate	10.43	69	260891	51.946	ug/l	99
57) 1,3-Dichloropropane	10.71	76	280571	49.639	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.69	63	666810	261.698	ug/l	98
59) 2-Hexanone	10.75	43	882452	259.273	ug/l	100
60) Dibromochloromethane	10.90	129	165283	48.761	ug/l	99
61) 1,2-Dibromoethane	11.00	107	154779	51.238	ug/l	98
64) Tetrachloroethene	10.63	164	123166	50.955	ug/l	98
65) Chlorobenzene	11.43	112	409462	50.629	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	151981	54.007	ug/l	100
67) Ethyl Benzene	11.51	91	804664	51.567	ug/l	98
68) m/p-Xylenes	11.62	106	556603	103.563	ug/l	99
69) o-Xylene	11.95	106	272326	51.172	ug/l	98
70) Styrene	11.96	104	473977	51.473	ug/l	99
71) Bromoform	12.13	173	101431	48.350	ug/l #	100
73) Isopropylbenzene	12.25	105	779883	50.645	ug/l	100
74) N-amyl acetate	12.07	43	393925	51.209	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	229004	49.594	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	190520m	47.632	ug/l	
77) Bromobenzene	12.53	156	168917	50.492	ug/l	98
78) n-propylbenzene	12.59	91	927743	50.709	ug/l	99
79) 2-Chlorotoluene	12.68	91	557220	50.030	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	668112	51.075	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	65293	50.768	ug/l	99
82) 4-Chlorotoluene	12.77	91	582440	50.776	ug/l	100
83) tert-Butylbenzene	12.99	119	552657	50.116	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	663776	51.227	ug/l	99
85) sec-Butylbenzene	13.17	105	765130	50.362	ug/l	100
86) p-Isopropyltoluene	13.29	119	669730	52.015	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	315363	50.425	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	311834	49.843	ug/l	99
89) n-Butylbenzene	13.62	91	652938	51.277	ug/l	99
90) Hexachloroethane	13.88	117	107113	53.093	ug/l	100
91) 1,2-Dichlorobenzene	13.66	146	311788	50.636	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	48740	53.579	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	196664	53.388	ug/l	99
94) Hexachlorobutadiene	15.01	225	90956	50.658	ug/l	99
95) Naphthalene	15.13	128	559723	52.375	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	183215	51.889	ug/l	98

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

