

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN103018\
 Data File : VN052061.D
 Acq On : 30 Oct 2018 13:18
 Operator : MD\SY
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN103018

Manual Integrations
 APPROVED

MMDadoda
 11/1/2018 11:48:12 AM

Quant Time: Oct 31 04:04:46 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N103018W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 31 02:45:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	282524	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	530038	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	485033	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	214303	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	206186	45.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.96%	
35) Dibromofluoromethane	7.59	113	164246	49.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.06%	
50) Toluene-d8	10.09	98	660065	49.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.60%	
62) 4-Bromofluorobenzene	12.40	95	246903	50.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.50%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.85	85	206239	60.056	ug/l	100
3) Chloromethane	2.06	50	232536	53.727	ug/l	97
4) Vinyl Chloride	2.19	62	237182	50.915	ug/l	94
5) Bromomethane	2.57	94	155681	44.550	ug/l	92
6) Chloroethane	2.71	64	147675	49.099	ug/l	94
7) Trichlorofluoromethane	3.03	101	281092	52.837	ug/l	97
8) Diethyl Ether	3.41	74	104142	52.477	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	3.77	101	172704	55.027	ug/l	99
10) Methyl Iodide	3.96	142	225446	54.813	ug/l	98
11) Tert butyl alcohol	4.78	59	51813	228.222	ug/l #	89
12) 1,1-Dichloroethene	3.74	96	159878	53.943	ug/l	97
13) Acrolein	3.61	56	58857	257.007	ug/l	95
14) Allyl chloride	4.33	41	295053	49.744	ug/l	97
15) Acrylonitrile	4.99	53	301375	232.204	ug/l	99
16) Acetone	3.82	43	224128	231.602	ug/l	98
17) Carbon Disulfide	4.06	76	493871	52.881	ug/l	96
18) Methyl Acetate	4.33	43	134345	43.609	ug/l	97
19) Methyl tert-butyl Ether	5.04	73	481679	49.478	ug/l	94
20) Methylene Chloride	4.55	84	191023	51.804	ug/l	95
21) trans-1,2-Dichloroethene	5.05	96	177170	52.424	ug/l	96
22) Diisopropyl ether	5.95	45	631264	49.238	ug/l	99
23) Vinyl Acetate	5.90	43	2208336	248.603	ug/l	98
24) 1,1-Dichloroethane	5.85	63	359391	50.132	ug/l	99
25) 2-Butanone	6.83	43	356473	234.853	ug/l	100
26) 2,2-Dichloropropane	6.83	77	306813	53.889	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	206909	51.266	ug/l	99
28) Bromochloromethane	7.20	49	161083	45.341	ug/l	97
29) Tetrahydrofuran	7.21	42	234226	231.627	ug/l	98
30) Chloroform	7.37	83	360586	50.391	ug/l	97
31) Cyclohexane	7.66	56	344515	51.972	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	312577	54.315	ug/l	97
36) 1,1-Dichloropropene	7.79	75	283789	52.656	ug/l	99
37) Ethyl Acetate	6.93	43	166447	46.141	ug/l	99
38) Carbon Tetrachloride	7.78	117	257937	55.506	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	354257	55.390	ug/l	94
40) Benzene	8.04	78	806538	51.737	ug/l	99
41) Methacrylonitrile	7.17	41	94613	50.824	ug/l	95
42) 1,2-Dichloroethane	8.13	62	273548	47.551	ug/l	99
43) Isopropyl Acetate	8.16	43	309348	48.215	ug/l	98
44) Trichloroethene	8.84	130	192503	55.218	ug/l	94
45) 1,2-Dichloropropane	9.12	63	220074	49.558	ug/l	99
46) Dibromomethane	9.21	93	127824	51.502	ug/l	95
47) Bromodichloromethane	9.40	83	278344	53.772	ug/l	98
48) Methyl methacrylate	9.20	41	154237	47.415	ug/l	98
49) 1,4-Dioxane	9.20	88	26929	987.599	ug/l	92
51) 4-Methyl-2-Pentanone	9.98	43	827123	237.181	ug/l	99
52) Toluene	10.16	92	502544	53.403	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	292738	53.491	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	329882	54.277	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	172707	51.529	ug/l	96
56) Ethyl methacrylate	10.43	69	241558	50.384	ug/l	97
57) 1,3-Dichloropropane	10.71	76	309075	50.117	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	647980	254.091	ug/l	100
59) 2-Hexanone	10.75	43	586246	235.902	ug/l	97
60) Dibromochloromethane	10.90	129	179739	54.473	ug/l	99
61) 1,2-Dibromoethane	11.00	107	173124	51.960	ug/l	99
64) Tetrachloroethene	10.63	164	152875	52.027	ug/l	96
65) Chlorobenzene	11.43	112	541385	52.995	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	182088	56.765	ug/l	99
67) Ethyl Benzene	11.51	91	991395	54.419	ug/l	99
68) m/p-Xylenes	11.62	106	743566	114.030	ug/l	100
69) o-Xylene	11.95	106	357982	55.480	ug/l	98
70) Styrene	11.96	104	588065	56.327	ug/l	99
71) Bromoform	12.12	173	99681	48.427	ug/l #	98
73) Isopropylbenzene	12.25	105	971164	52.994	ug/l	99
74) N-amyl acetate	12.07	43	290241	45.381	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	208868	47.530	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	190433m	48.544	ug/l	
77) Bromobenzene	12.53	156	199214	51.955	ug/l	97
78) n-propylbenzene	12.59	91	1177528	53.028	ug/l	100
79) 2-Chlorotoluene	12.67	91	675630	52.193	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	796324	53.398	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	61335	51.895	ug/l	100
82) 4-Chlorotoluene	12.77	91	700126	53.038	ug/l	100
83) tert-Butylbenzene	12.99	119	674482	53.841	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	801273	53.980	ug/l	100
85) sec-Butylbenzene	13.17	105	968376	54.113	ug/l	98
86) p-Isopropyltoluene	13.29	119	799064	54.827	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	366601	52.427	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	364584	52.021	ug/l	99
89) n-Butylbenzene	13.61	91	761318	54.774	ug/l	98
90) Hexachloroethane	13.87	117	134991	54.047	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	350507	53.314	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	30094	47.558	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	143768	58.727	ug/l	97
94) Hexachlorobutadiene	15.01	225	73459	53.613	ug/l	99
95) Naphthalene	15.13	128	349442	56.909	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	119201	56.424	ug/l	98

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

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