

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN121718\
 Data File : VN052928.D
 Acq On : 17 Dec 2018 15:37
 Operator : MD\SY
 Sample : VN1217WBSD01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1217WBSD01

Manual Integrations
 APPROVED

MMDadoda
 12/18/2018 1:33:25 PM

Quant Time: Dec 18 05:56:07 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 13 01:08:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1046647	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1631663	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1440845	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	677416	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	561103	50.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.84%	
35) Dibromofluoromethane	7.59	113	457987	50.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.56%	
50) Toluene-d8	10.09	98	1980621	50.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.32%	
62) 4-Bromofluorobenzene	12.40	95	675931	50.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.02%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.85	85	206212	19.139 ug/l	99
3) Chloromethane	2.06	50	252103	19.496 ug/l	99
4) Vinyl Chloride	2.19	62	248654	19.220 ug/l	100
5) Bromomethane	2.57	94	154110	19.314 ug/l	98
6) Chloroethane	2.71	64	146351	19.139 ug/l	98
7) Trichlorofluoromethane	3.03	101	308077	19.208 ug/l	98
8) Diethyl Ether	3.41	74	115433	19.730 ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.77	101	193445	19.460 ug/l	99
10) Methyl Iodide	3.96	142	278631	20.015 ug/l	99
11) Tert butyl alcohol	4.77	59	58755	94.487 ug/l	98
12) 1,1-Dichloroethene	3.74	96	186843	19.417 ug/l	99
13) Acrolein	3.61	56	28619	48.883 ug/l	100
14) Allyl chloride	4.33	41	294224	18.720 ug/l	99
15) Acrylonitrile	4.99	53	343543	98.478 ug/l	99
16) Acetone	3.81	43	231302	92.541 ug/l	100
17) Carbon Disulfide	4.06	76	560714	18.968 ug/l	100
18) Methyl Acetate	4.32	43	194937	21.251 ug/l	98
19) Methyl tert-butyl Ether	5.04	73	514726	19.703 ug/l	97
20) Methylene Chloride	4.55	84	214470	19.067 ug/l	99
21) trans-1,2-Dichloroethene	5.05	96	195416	18.744 ug/l	97
22) Diisopropyl ether	5.95	45	661824	19.738 ug/l	99
23) Vinyl Acetate	5.90	43	2072575	103.877 ug/l	100
24) 1,1-Dichloroethane	5.85	63	379303	19.616 ug/l	100
25) 2-Butanone	6.83	43	356539	91.932 ug/l	98
26) 2,2-Dichloropropane	6.83	77	257731	18.100 ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	230224	19.457 ug/l	100
28) Bromochloromethane	7.19	49	187833	21.633 ug/l	99
29) Tetrahydrofuran	7.21	42	251172	94.866 ug/l	100
30) Chloroform	7.37	83	366375	19.430 ug/l	98
31) Cyclohexane	7.66	56	361706	18.818 ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	304435	19.297 ug/l	98
36) 1,1-Dichloropropene	7.79	75	282872	18.826 ug/l	99
37) Ethyl Acetate	6.93	43	165026	18.283 ug/l	98
38) Carbon Tetrachloride	7.78	117	259424	18.758 ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	342464	18.573	ug/l	99
40) Benzene	8.04	78	866498	19.214	ug/l	97
41) Methacrylonitrile	7.17	41	110778	22.150	ug/l	87
42) 1,2-Dichloroethane	8.12	62	256157	18.868	ug/l	99
43) Isopropyl Acetate	8.17	43	468069	25.292	ug/l #	87
44) Trichloroethene	8.84	130	234425	19.245	ug/l	95
45) 1,2-Dichloropropane	9.12	63	231678	19.614	ug/l	99
46) Dibromomethane	9.21	93	131066	19.133	ug/l	99
47) Bromodichloromethane	9.40	83	281226	19.797	ug/l	99
48) Methyl methacrylate	9.20	41	159780	19.687	ug/l	99
49) 1,4-Dioxane	9.20	88	30094	326.674	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	816114	96.172	ug/l	99
52) Toluene	10.16	92	534554	19.571	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	295775	20.691	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	333033	19.551	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	186936	19.173	ug/l	99
56) Ethyl methacrylate	10.43	69	257899	20.611	ug/l	99
57) 1,3-Dichloropropane	10.71	76	326060	19.501	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	707308	101.307	ug/l	99
59) 2-Hexanone	10.75	43	552957	95.081	ug/l	98
60) Dibromochloromethane	10.90	129	204830	19.438	ug/l	99
61) 1,2-Dibromoethane	11.00	107	187281	19.432	ug/l	99
64) Tetrachloroethene	10.63	164	246321	19.891	ug/l	97
65) Chlorobenzene	11.43	112	584256	19.545	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	207842	19.992	ug/l	100
67) Ethyl Benzene	11.51	91	1004693	19.572	ug/l	99
68) m/p-Xylenes	11.62	106	762426	39.554	ug/l	100
69) o-Xylene	11.95	106	373716	19.855	ug/l	99
70) Styrene	11.96	104	615889	20.355	ug/l	100
71) Bromoform	12.13	173	134855	19.094	ug/l #	99
73) Isopropylbenzene	12.25	105	987930	19.533	ug/l	100
74) N-amyl acetate	12.07	43	304453	21.926	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	219660	19.378	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	184343m	18.444	ug/l	
77) Bromobenzene	12.53	156	256059	19.904	ug/l	97
78) n-propylbenzene	12.59	91	1123916	19.484	ug/l	99
79) 2-Chlorotoluene	12.67	91	661227	19.390	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	805970	19.740	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	65276	20.981	ug/l	98
82) 4-Chlorotoluene	12.77	91	680630	19.521	ug/l	100
83) tert-Butylbenzene	12.99	119	713333	19.806	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	821952	19.886	ug/l	99
85) sec-Butylbenzene	13.17	105	951604	19.509	ug/l	100
86) p-Isopropyltoluene	13.29	119	829817	19.636	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	439593	19.229	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	439902	19.431	ug/l	100
89) n-Butylbenzene	13.62	91	704267	19.797	ug/l	100
90) Hexachloroethane	13.88	117	117058	16.542	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	428447	19.483	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	35775	20.937	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	236808	19.810	ug/l	100
94) Hexachlorobutadiene	15.01	225	130397	18.846	ug/l	99
95) Naphthalene	15.13	128	525523	21.226	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	208253	18.986	ug/l	99

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

