

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110118\
 Data File : VN052107.D
 Acq On : 1 Nov 2018 17:09
 Operator : MD\SY
 Sample : VN1101WBSD02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1101WBSD02

Manual Integrations
 APPROVED

MMDadoda
 11/2/2018 9:21:41 AM

Quant Time: Nov 02 07:28:56 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	322947	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	579999	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	519251	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	216970	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	223493	43.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.26%	
35) Dibromofluoromethane	7.60	113	183328	50.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.06%	
50) Toluene-d8	10.09	98	697836	48.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.24%	
62) 4-Bromofluorobenzene	12.40	95	238312	44.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	82207	20.942	ug/l	99
3) Chloromethane	2.06	50	92855	18.769	ug/l	96
4) Vinyl Chloride	2.19	62	92215	17.318	ug/l	96
5) Bromomethane	2.57	94	63544	15.908	ug/l	96
6) Chloroethane	2.71	64	57466	16.715	ug/l	100
7) Trichlorofluoromethane	3.02	101	121897	20.045	ug/l	97
8) Diethyl Ether	3.41	74	45260	19.952	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	3.76	101	73089	20.373	ug/l	94
10) Methyl Iodide	3.95	142	93714	19.933	ug/l	98
11) Tert butyl alcohol	4.78	59	24627	94.897	ug/l #	89
12) 1,1-Dichloroethene	3.74	96	65700	19.392	ug/l	90
13) Acrolein	3.61	56	17743	85.478	ug/l	98
14) Allyl chloride	4.33	41	116511	17.184	ug/l	95
15) Acrylonitrile	4.99	53	136936	92.301	ug/l	98
16) Acetone	3.82	43	99174	89.654	ug/l	95
17) Carbon Disulfide	4.06	76	183210	17.162	ug/l	99
18) Methyl Acetate	4.33	43	65316	18.548	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	201121	18.073	ug/l	93
20) Methylene Chloride	4.56	84	77422	18.368	ug/l	94
21) trans-1,2-Dichloroethene	5.05	96	73943	19.141	ug/l	89
22) Diisopropyl ether	5.95	45	252507	17.230	ug/l	99
23) Vinyl Acetate	5.90	43	890866	87.736	ug/l	97
24) 1,1-Dichloroethane	5.85	63	139955	17.079	ug/l	97
25) 2-Butanone	6.84	43	166449	95.935	ug/l	98
26) 2,2-Dichloropropane	6.83	77	107795	16.563	ug/l	96
27) cis-1,2-Dichloroethene	6.83	96	85788	18.595	ug/l	93
28) Bromochloromethane	7.20	49	64797	15.956	ug/l #	83
29) Tetrahydrofuran	7.22	42	107503	93.003	ug/l	97
30) Chloroform	7.38	83	145639	17.805	ug/l	100
31) Cyclohexane	7.66	56	133039	15.478	ug/l #	88
32) 1,1,1-Trichloroethane	7.58	97	122642	18.643	ug/l	96
36) 1,1-Dichloropropene	7.80	75	105996	17.973	ug/l	95
37) Ethyl Acetate	6.93	43	70110	17.761	ug/l	95
38) Carbon Tetrachloride	7.78	117	104272	20.506	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	124166	17.742	ug/l	98
40) Benzene	8.04	78	325896	19.105	ug/l	100
41) Methacrylonitrile	7.17	41	30655	15.149	ug/l #	63
42) 1,2-Dichloroethane	8.13	62	106755	16.959	ug/l	98
43) Isopropyl Acetate	8.17	43	134075	19.097	ug/l	99
44) Trichloroethene	8.84	130	81693	21.414	ug/l	90
45) 1,2-Dichloropropane	9.12	63	86022	17.702	ug/l	98
46) Dibromomethane	9.21	93	54398	20.030	ug/l	94
47) Bromodichloromethane	9.40	83	105318	18.593	ug/l	99
48) Methyl methacrylate	9.20	41	65634	18.439	ug/l	96
49) 1,4-Dioxane	9.20	88	13163	455.025	ug/l #	89
51) 4-Methyl-2-Pentanone	9.99	43	371659	97.395	ug/l	100
52) Toluene	10.16	92	197651	19.194	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	105590	17.632	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	121300	18.239	ug/l	96
55) 1,1,2-Trichloroethane	10.56	97	72818	19.855	ug/l	96
56) Ethyl methacrylate	10.43	69	95682	18.238	ug/l	98
57) 1,3-Dichloropropane	10.71	76	123132	18.246	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.70	63	263150	94.300	ug/l	95
59) 2-Hexanone	10.75	43	253424	93.192	ug/l	100
60) Dibromochloromethane	10.90	129	72172	19.989	ug/l	97
61) 1,2-Dibromoethane	11.01	107	72928	20.002	ug/l	100
64) Tetrachloroethene	10.63	164	65784	20.912	ug/l	96
65) Chlorobenzene	11.44	112	219564	20.076	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	74226	21.615	ug/l	98
67) Ethyl Benzene	11.51	91	380571	19.513	ug/l	98
68) m/p-Xylenes	11.62	106	286802	41.084	ug/l	95
69) o-Xylene	11.95	106	137667	19.930	ug/l	100
70) Styrene	11.96	104	217526	19.462	ug/l	98
71) Bromoform	12.13	173	41850	20.316	ug/l #	99
73) Isopropylbenzene	12.25	105	362300	19.527	ug/l	98
74) N-amyl acetate	12.07	43	115495	17.837	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	87204	19.600	ug/l	95
76) 1,2,3-Trichloropropane	12.55	75	79751m	20.080	ug/l	
77) Bromobenzene	12.53	156	78872	20.317	ug/l	91
78) n-propylbenzene	12.59	91	421934	18.768	ug/l	98
79) 2-Chlorotoluene	12.68	91	251366	19.179	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	293760	19.456	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	21009	17.557	ug/l	94
82) 4-Chlorotoluene	12.77	91	253886	18.997	ug/l	98
83) tert-Butylbenzene	12.99	119	257300	20.287	ug/l	93
84) 1,2,4-Trimethylbenzene	13.04	105	301276	20.047	ug/l	99
85) sec-Butylbenzene	13.17	105	344341	19.005	ug/l	97
86) p-Isopropyltoluene	13.29	119	287783	19.503	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	147500	20.834	ug/l	96
88) 1,4-Dichlorobenzene	13.36	146	142174	20.037	ug/l	99
89) n-Butylbenzene	13.62	91	247255	17.570	ug/l	98
90) Hexachloroethane	13.88	117	46092	18.227	ug/l	95
91) 1,2-Dichlorobenzene	13.65	146	138549	20.815	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	12988	20.800	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	54748	22.089	ug/l	99
94) Hexachlorobutadiene	15.01	225	30010	21.633	ug/l	93
95) Naphthalene	15.13	128	142456	22.915	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	48586	22.716	ug/l	98

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

