

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050719\
 Data File : VN055444.D
 Acq On : 7 May 2019 18:00
 Operator : JC/SP
 Sample : VN0507WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0507WBSD01

Manual Integrations
 APPROVED

MMDadoda
 5/8/2019 10:22:34 AM

Quant Time: May 08 07:07:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 30 07:16:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	322916	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	530932	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	454050	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	175502	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	237908	56.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.64%	
35) Dibromofluoromethane	7.59	113	178186	51.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.26%	
50) Toluene-d8	10.09	98	634757	50.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.88%	
62) 4-Bromofluorobenzene	12.40	95	214692	54.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	75718	19.138	ug/l	95
3) Chloromethane	2.06	50	85982	17.551	ug/l	99
4) Vinyl Chloride	2.19	62	75068	19.009	ug/l	99
5) Bromomethane	2.56	94	42205	20.177	ug/l	100
6) Chloroethane	2.70	64	41350	19.329	ug/l	97
7) Trichlorofluoromethane	3.02	101	112912	20.108	ug/l	97
8) Diethyl Ether	3.41	74	47351	24.102	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	68548	20.500	ug/l	98
10) Methyl Iodide	3.95	142	86307	18.340	ug/l	97
11) Tert butyl alcohol	4.79	59	42463	175.567	ug/l	100
12) 1,1-Dichloroethene	3.74	96	65586	20.561	ug/l	97
13) Acrolein	3.61	56	14661	77.618	ug/l	98
14) Allyl chloride	4.33	41	143190	21.674	ug/l	98
15) Acrylonitrile	5.00	53	183530	135.000	ug/l	100
16) Acetone	3.82	43	140905	107.047	ug/l	98
17) Carbon Disulfide	4.06	76	144203	17.322	ug/l	99
18) Methyl Acetate	4.33	43	102451	31.569	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	225005	25.091	ug/l	99
20) Methylene Chloride	4.55	84	79684	19.833	ug/l	95
21) trans-1,2-Dichloroethene	5.05	96	70572	20.890	ug/l	100
22) Diisopropyl ether	5.96	45	308102	23.472	ug/l	94
23) Vinyl Acetate	5.90	43	1093099	127.058	ug/l	100
24) 1,1-Dichloroethane	5.85	63	154366	22.071	ug/l	98
25) 2-Butanone	6.84	43	231450	137.492	ug/l	99
26) 2,2-Dichloropropane	6.83	77	91133	18.870	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	85010	22.128	ug/l	98
28) Bromochloromethane	7.20	49	80580	22.857	ug/l	96
29) Tetrahydrofuran	7.22	42	160310	148.724	ug/l	99
30) Chloroform	7.37	83	149329	22.523	ug/l	98
31) Cyclohexane	7.66	56	134621	20.259	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	116310	21.616	ug/l	99
36) 1,1-Dichloropropene	7.80	75	102621	20.179	ug/l	99
37) Ethyl Acetate	6.93	43	96079	24.651	ug/l #	79
38) Carbon Tetrachloride	7.78	117	99466	20.276	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	110455	20.428	ug/l	99
40) Benzene	8.04	78	314122	20.953	ug/l	100
41) Methacrylonitrile	7.18	41	49943	24.065	ug/l #	86
42) 1,2-Dichloroethane	8.13	62	116525	21.945	ug/l	100
43) Isopropyl Acetate	8.17	43	172224	27.496	ug/l #	88
44) Trichloroethene	8.84	130	77261	20.216	ug/l	97
45) 1,2-Dichloropropane	9.12	63	93675	21.665	ug/l	98
46) Dibromomethane	9.21	93	51519	21.798	ug/l	98
47) Bromodichloromethane	9.41	83	110385	21.771	ug/l	98
48) Methyl methacrylate	9.20	41	81663	26.520	ug/l	100
49) 1,4-Dioxane	9.20	88	18747	588.950	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	501866	142.310	ug/l	99
52) Toluene	10.16	92	181935	21.151	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	101428	23.044	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	118836	21.654	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	76446	23.933	ug/l	98
56) Ethyl methacrylate	10.43	69	101992	25.942	ug/l	98
57) 1,3-Dichloropropane	10.71	76	129134	23.045	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	104061	93.458	ug/l	99
59) 2-Hexanone	10.75	43	329106	149.152	ug/l	98
60) Dibromochloromethane	10.90	129	74960	22.961	ug/l	99
61) 1,2-Dibromoethane	11.01	107	70986	24.044	ug/l	99
64) Tetrachloroethene	10.63	164	75468	20.325	ug/l	98
65) Chlorobenzene	11.43	112	182686	20.579	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.51	131	73102	21.030	ug/l	99
67) Ethyl Benzene	11.51	91	344020	21.460	ug/l	99
68) m/p-Xylenes	11.62	106	245687	42.937	ug/l	98
69) o-Xylene	11.95	106	121845	21.484	ug/l	99
70) Styrene	11.96	104	200598	23.036	ug/l	100
71) Bromoform	12.13	173	45816	23.753	ug/l #	99
73) Isopropylbenzene	12.25	105	339669	22.590	ug/l	99
74) N-amyl acetate	12.07	43	126926	28.180	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	96411	26.213	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	86483m	25.266	ug/l	
77) Bromobenzene	12.53	156	80640	22.890	ug/l	98
78) n-propylbenzene	12.59	91	363676	20.173	ug/l	100
79) 2-Chlorotoluene	12.68	91	229274	22.649	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	287538	20.898	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	21064	22.745	ug/l	93
82) 4-Chlorotoluene	12.77	91	215975	20.604	ug/l	99
83) tert-Butylbenzene	12.99	119	245527	23.679	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	277885	22.583	ug/l	99
85) sec-Butylbenzene	13.17	105	317692	21.244	ug/l	100
86) p-Isopropyltoluene	13.29	119	265329	21.587	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	126451	21.532	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	119868	21.674	ug/l	98
89) n-Butylbenzene	13.62	91	192053	21.989	ug/l	99
90) Hexachloroethane	13.87	117	45636	22.585	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	127587	21.920	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	14021	30.367	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	46922	22.405	ug/l	97
94) Hexachlorobutadiene	15.01	225	46254	25.010	ug/l	97
95) Naphthalene	15.13	128	105721	23.558	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	49809	23.502	ug/l	97

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

