

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030320\
 Data File : VN060324.D
 Acq On : 3 Mar 2020 13:11
 Operator : JC/MD
 Sample : VN0303WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0303WBSD01

Manual Integrations
 APPROVED

MMDadoda
 3/4/2020 10:45:07 AM

Quant Time: Mar 04 02:09:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 27 13:52:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	198749	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	327706	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	298004	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	143702	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	123552	48.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.90%	
35) Dibromofluoromethane	7.57	113	85729	56.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.72%	
50) Toluene-d8	10.08	98	364156	47.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.60%	
62) 4-Bromofluorobenzene	12.40	95	133919	45.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.78%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.83	85	32476	17.822	ug/l	100
3) Chloromethane	2.04	50	56984	17.962	ug/l	97
4) Vinyl Chloride	2.17	62	47985	17.636	ug/l	98
5) Bromomethane	2.55	94	17234	14.006	ug/l	95
6) Chloroethane	2.69	64	26001	17.638	ug/l	95
7) Trichlorofluoromethane	3.00	101	63549	18.281	ug/l	97
8) Diethyl Ether	3.39	74	24163	18.410	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	35692	18.142	ug/l	98
10) Methyl Iodide	3.93	142	32197	17.932	ug/l	97
11) Tert butyl alcohol	4.73	59	33479	88.419	ug/l	100
12) 1,1-Dichloroethene	3.72	96	36054	18.834	ug/l	94
13) Acrolein	3.58	56	30782	87.143	ug/l	100
14) Allyl chloride	4.29	41	66481	18.883	ug/l	99
15) Acrylonitrile	4.95	53	94580	94.768	ug/l	99
16) Acetone	3.78	43	78124	94.872	ug/l	98
17) Carbon Disulfide	4.03	76	92727	17.847	ug/l	100
18) Methyl Acetate	4.29	43	47143	17.155	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	132084	19.053	ug/l	99
20) Methylene Chloride	4.52	84	41417	18.314	ug/l	96
21) trans-1,2-Dichloroethene	5.01	96	38217	18.359	ug/l	97
22) Diisopropyl ether	5.92	45	138217	19.382	ug/l	96
23) Vinyl Acetate	5.86	43	542796	95.787	ug/l	99
24) 1,1-Dichloroethane	5.82	63	76008	18.829	ug/l	99
25) 2-Butanone	6.80	43	127145	95.591	ug/l	97
26) 2,2-Dichloropropane	6.80	77	68674	18.687	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	46807	17.849	ug/l	99
28) Bromochloromethane	7.17	49	29906	18.044	ug/l	99
29) Tetrahydrofuran	7.18	42	86855	93.906	ug/l	99
30) Chloroform	7.35	83	76488	19.034	ug/l	100
31) Cyclohexane	7.63	56	69334	19.304	ug/l	96
32) 1,1,1-Trichloroethane	7.55	97	68161	19.144	ug/l	100
36) 1,1-Dichloropropene	7.77	75	56102	17.963	ug/l	99
37) Ethyl Acetate	6.90	43	56169	18.993	ug/l	99
38) Carbon Tetrachloride	7.75	117	55835	18.362	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	65783	17.864	ug/l	97
40) Benzene	8.02	78	167884	18.469	ug/l	99
41) Methacrylonitrile	7.14	41	22549m	16.514	ug/l	
42) 1,2-Dichloroethane	8.10	62	61022	18.603	ug/l	99
43) Isopropyl Acetate	8.14	43	98834	19.090	ug/l	99
44) Trichloroethene	8.82	130	45939	18.145	ug/l	98
45) 1,2-Dichloropropane	9.10	63	46434	19.537	ug/l	100
46) Dibromomethane	9.19	93	28638	18.570	ug/l	99
47) Bromodichloromethane	9.39	83	60147	19.177	ug/l	100
48) Methyl methacrylate	9.18	41	41880	17.739	ug/l	99
49) 1,4-Dioxane	9.18	88	10487	315.870	ug/l	96
51) 4-Methyl-2-Pentanone	9.97	43	279902	95.354	ug/l	99
52) Toluene	10.14	92	105558	18.486	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	69046	17.966	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	73078	18.350	ug/l	100
55) 1,1,2-Trichloroethane	10.55	97	41770	18.190	ug/l	99
56) Ethyl methacrylate	10.42	69	60660	18.387	ug/l	98
57) 1,3-Dichloropropane	10.70	76	71277	19.033	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	162453	94.154	ug/l	99
59) 2-Hexanone	10.74	43	198087	91.910	ug/l	100
60) Dibromochloromethane	10.89	129	44287	18.965	ug/l	99
61) 1,2-Dibromoethane	10.99	107	41453	18.518	ug/l	97
64) Tetrachloroethene	10.62	164	48855	19.972	ug/l	98
65) Chlorobenzene	11.43	112	109188	18.145	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	42272	18.999	ug/l	99
67) Ethyl Benzene	11.51	91	203084	18.532	ug/l	99
68) m/p-Xylenes	11.62	106	150233	36.337	ug/l	99
69) o-Xylene	11.94	106	72919	18.495	ug/l	99
70) Styrene	11.96	104	115781	17.862	ug/l	99
71) Bromoform	12.12	173	29995	18.706	ug/l #	100
73) Isopropylbenzene	12.25	105	199445	18.725	ug/l	100
74) N-amyl acetate	12.07	43	83778	18.000	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	55013	19.001	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	53139m	16.854	ug/l	
77) Bromobenzene	12.52	156	47707	18.273	ug/l	100
78) n-propylbenzene	12.59	91	229906	18.415	ug/l	100
79) 2-Chlorotoluene	12.67	91	135766	18.499	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	166371	18.552	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	21578	18.893	ug/l #	83
82) 4-Chlorotoluene	12.77	91	138450	17.906	ug/l	99
83) tert-Butylbenzene	12.99	119	145726	18.769	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	165260	18.258	ug/l	98
85) sec-Butylbenzene	13.17	105	192882	18.551	ug/l	100
86) p-Isopropyltoluene	13.28	119	175553	18.243	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	84497	18.716	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	83725	18.552	ug/l	98
89) n-Butylbenzene	13.61	91	156847	17.755	ug/l	99
90) Hexachloroethane	13.87	117	23363	16.773	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	82795	18.098	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	11895	18.143	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	53961	18.618	ug/l	99
94) Hexachlorobutadiene	15.01	225	26644	19.591	ug/l	99
95) Naphthalene	15.13	128	153736	17.780	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	50974	18.505	ug/l	98

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

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