

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031820\
 Data File : VN060575.D
 Acq On : 17 Mar 2020 23:44
 Operator : JC/MD
 Sample : L1161-08 5.0PPB LOQ
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT1-2020

Manual Integrations
 APPROVED

MMDadoda
 3/19/2020 1:02:36 PM

Quant Time: Mar 18 09:23:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 09:02:01 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	203573	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	345999	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	313955	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	139499	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	139430	49.89	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.78%	
35) Dibromofluoromethane	7.56	113	102753	49.11	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.22%	
50) Toluene-d8	10.08	98	411241	48.12	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.24%	
62) 4-Bromofluorobenzene	12.40	95	145265	46.38	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.76%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.83	85	8926	4.532	ug/l	99
3) Chloromethane	2.04	50	17481	4.752	ug/l	99
4) Vinyl Chloride	2.16	62	13697	4.760	ug/l	99
5) Bromomethane	2.54	94	6348	5.111	ug/l	99
6) Chloroethane	2.68	64	8094	4.883	ug/l	93
7) Trichlorofluoromethane	3.00	101	17638	4.976	ug/l	97
8) Diethyl Ether	3.39	74	7100	4.986	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	10206	4.969	ug/l	100
10) Methyl Iodide	3.93	142	9344	5.113	ug/l	98
11) Tert butyl alcohol	4.73	59	9605	23.370	ug/l #	79
12) 1,1-Dichloroethene	3.72	96	11134	5.052	ug/l	98
13) Acrolein	3.58	56	10999	24.147	ug/l	92
14) Allyl chloride	4.30	41	19740	5.092	ug/l	92
15) Acrylonitrile	4.95	53	28714	23.759	ug/l	99
16) Acetone	3.78	43	23289	23.527	ug/l	99
17) Carbon Disulfide	4.03	76	34118	5.090	ug/l	98
18) Methyl Acetate	4.29	43	13401	4.810	ug/l	95
19) Methyl tert-butyl Ether	5.00	73	37841	4.994	ug/l	100
20) Methylene Chloride	4.52	84	12531	5.146	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	11635	4.953	ug/l	96
22) Diisopropyl ether	5.91	45	41249	5.037	ug/l	93
23) Vinyl Acetate	5.86	43	162749	24.356	ug/l	99
24) 1,1-Dichloroethane	5.82	63	22182	4.968	ug/l	97
25) 2-Butanone	6.80	43	36873	23.019	ug/l	96
26) 2,2-Dichloropropane	6.79	77	15655	4.457	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	13224	4.954	ug/l	99
28) Bromochloromethane	7.17	49	11118	5.205	ug/l #	100
29) Tetrahydrofuran	7.18	42	27231	24.027	ug/l	99
30) Chloroform	7.35	83	21502	5.024	ug/l	96
31) Cyclohexane	7.63	56	25476	5.660	ug/l #	82
32) 1,1,1-Trichloroethane	7.54	97	18219	4.938	ug/l	97
36) 1,1-Dichloropropene	7.77	75	16590	4.952	ug/l	99
37) Ethyl Acetate	6.90	43	16606	4.587	ug/l #	86
38) Carbon Tetrachloride	7.75	117	14385	4.791	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	19503	4.898	ug/l	98
40) Benzene	8.02	78	50469	4.990	ug/l	99
41) Methacrylonitrile	7.14	41	7112m	4.603	ug/l	
42) 1,2-Dichloroethane	8.10	62	17973	5.200	ug/l	98
43) Isopropyl Acetate	8.14	43	29013	4.860	ug/l	100
44) Trichloroethene	8.82	130	13441	5.272	ug/l	95
45) 1,2-Dichloropropane	9.10	63	13425	5.030	ug/l	98
46) Dibromomethane	9.19	93	7968	4.939	ug/l	98
47) Bromodichloromethane	9.38	83	16185	4.828	ug/l	98
48) Methyl methacrylate	9.18	41	12683	4.771	ug/l	95
49) 1,4-Dioxane	9.18	88	3190	100.965	ug/l	95
51) 4-Methyl-2-Pentanone	9.97	43	80541	23.707	ug/l	100
52) Toluene	10.14	92	29869	4.890	ug/l	97
53) t-1,3-Dichloropropene	10.37	75	18342	4.763	ug/l	96
54) cis-1,3-Dichloropropene	9.82	75	20233	4.789	ug/l	97
55) 1,1,2-Trichloroethane	10.55	97	11424	4.862	ug/l	97
56) Ethyl methacrylate	10.42	69	15764	4.302	ug/l	95
57) 1,3-Dichloropropane	10.70	76	19936	4.889	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	44032	24.180	ug/l	99
59) 2-Hexanone	10.74	43	55583	22.712	ug/l	99
60) Dibromochloromethane	10.89	129	11389	4.692	ug/l	99
61) 1,2-Dibromoethane	10.99	107	11445	4.844	ug/l	99
64) Tetrachloroethene	10.62	164	13120	5.311	ug/l	97
65) Chlorobenzene	11.42	112	30766	4.943	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	11255	4.995	ug/l	97
67) Ethyl Benzene	11.50	91	57511	4.969	ug/l	99
68) m/p-Xylenes	11.62	106	41531	9.656	ug/l	98
69) o-Xylene	11.94	106	20171	4.913	ug/l	98
70) Styrene	11.96	104	30867	4.597	ug/l	99
71) Bromoform	12.12	173	7525	4.475	ug/l #	95
73) Isopropylbenzene	12.24	105	52712	5.035	ug/l	99
74) N-amyl acetate	12.06	43	22167	4.582	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	15748	4.974	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	14605m	4.852	ug/l	
77) Bromobenzene	12.52	156	12916	5.120	ug/l	98
78) n-propylbenzene	12.59	91	61456	4.969	ug/l	100
79) 2-Chlorotoluene	12.67	91	37235	5.039	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	44879	5.052	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	5118	4.367	ug/l	94
82) 4-Chlorotoluene	12.77	91	38181	5.073	ug/l	99
83) tert-Butylbenzene	12.99	119	37416	5.080	ug/l	99
84) 1,2,4-Trimethylbenzene	13.03	105	44577	5.072	ug/l	98
85) sec-Butylbenzene	13.17	105	49720	5.021	ug/l	100
86) p-Isopropyltoluene	13.28	119	43688	4.906	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	22064	4.959	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	21800	4.877	ug/l	94
89) n-Butylbenzene	13.61	91	38151	4.745	ug/l	99
90) Hexachloroethane	13.87	117	6085	4.701	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	21339	5.016	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.26	75	3081	4.334	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	11951	4.574	ug/l	94
94) Hexachlorobutadiene	15.00	225	6304	4.922	ug/l	97
95) Naphthalene	15.13	128	32588	4.147	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	11340	4.407	ug/l	98

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

