

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030320\
 Data File : VN060323.D
 Acq On : 3 Mar 2020 12:48
 Operator : JC/MD
 Sample : L1161-07 .75PPB LOD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2020

Manual Integrations
 APPROVED

MMDadoda
 3/4/2020 10:44:28 AM

Quant Time: Mar 04 03:23:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 04 03:02:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	193164	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	316568	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	283814	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	127255	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	120936	48.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.60%	
35) Dibromofluoromethane	7.57	113	86445	58.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.66%	
50) Toluene-d8	10.08	98	343939	46.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.50%	
62) 4-Bromofluorobenzene	12.40	95	122138	43.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.64%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.83	85	1294	0.731	ug/l	88
3) Chloromethane	2.04	50	3168	1.027	ug/l #	81
4) Vinyl Chloride	2.16	62	2273	0.860	ug/l	97
5) Bromomethane	2.55	94	794	0.683	ug/l #	73
6) Chloroethane	2.69	64	950	0.663	ug/l #	84
7) Trichlorofluoromethane	3.00	101	2640	0.781	ug/l	89
8) Diethyl Ether	3.39	74	768	0.602	ug/l	76
9) 1,1,2-Trichlorotrifluoroet	3.73	101	1415m	0.740	ug/l	
10) Methyl Iodide	3.93	142	1407	0.806	ug/l #	80
11) Tert butyl alcohol	4.73	59	1089	2.959	ug/l #	73
12) 1,1-Dichloroethene	3.72	96	2027	0.999	ug/l #	70
13) Acrolein	3.59	56	662m	1.928	ug/l	
14) Allyl chloride	4.30	41	2809	0.821	ug/l	87
15) Acrylonitrile	4.96	53	2684	2.767	ug/l #	80
16) Acetone	3.79	43	3557	4.444	ug/l	100
17) Carbon Disulfide	4.03	76	4658	0.809	ug/l	98
18) Methyl Acetate	4.31	43	2159m	0.808	ug/l	
19) Methyl tert-butyl Ether	5.01	73	6514	0.967	ug/l	96
20) Methylene Chloride	4.52	84	1790	0.814	ug/l	88
21) trans-1,2-Dichloroethene	5.00	96	1758m	0.765	ug/l	
22) Diisopropyl ether	5.92	45	5518	0.796	ug/l	92
23) Vinyl Acetate	5.87	43	19613	3.561	ug/l	98
24) 1,1-Dichloroethane	5.82	63	2980	0.760	ug/l #	84
25) 2-Butanone	6.81	43	4838	3.743	ug/l	98
26) 2,2-Dichloropropane	6.79	77	2891	0.809	ug/l #	63
27) cis-1,2-Dichloroethene	6.80	96	2161	0.848	ug/l	84
28) Bromochloromethane	7.17	49	1042	0.647	ug/l #	71
29) Tetrahydrofuran	7.19	42	3319	3.692	ug/l	94
30) Chloroform	7.35	83	3100	0.794	ug/l	94
31) Cyclohexane	7.64	56	6841	1.880	ug/l #	27
32) 1,1,1-Trichloroethane	7.54	97	2723	0.787	ug/l #	51
36) 1,1-Dichloropropene	7.77	75	2333	0.773	ug/l	96
37) Ethyl Acetate	6.89	43	2398m	0.839	ug/l	
38) Carbon Tetrachloride	7.76	117	2075	0.706	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	2826	0.794	ug/l	94
40) Benzene	8.02	78	7113	0.810	ug/l	99
41) Methacrylonitrile	7.16	41	1376m	1.043	ug/l	
42) 1,2-Dichloroethane	8.10	62	2676	0.844	ug/l	82
43) Isopropyl Acetate	8.14	43	3890	0.778	ug/l #	88
44) Trichloroethene	8.82	130	1900	0.777	ug/l	80
45) 1,2-Dichloropropane	9.10	63	1877	0.818	ug/l	90
46) Dibromomethane	9.19	93	999	0.671	ug/l	96
47) Bromodichloromethane	9.39	83	2270	0.749	ug/l #	93
48) Methyl methacrylate	9.18	41	1822	0.799	ug/l	91
49) 1,4-Dioxane	9.19	88	264	8.231	ug/l #	61
51) 4-Methyl-2-Pentanone	9.97	43	10012	3.531	ug/l	100
52) Toluene	10.14	92	4073	0.738	ug/l	90
53) t-1,3-Dichloropropene	10.37	75	2834	0.763	ug/l #	77
54) cis-1,3-Dichloropropene	9.82	75	2992	0.778	ug/l #	94
55) 1,1,2-Trichloroethane	10.55	97	1853	0.835	ug/l	98
56) Ethyl methacrylate	10.42	69	2015	0.632	ug/l #	76
57) 1,3-Dichloropropane	10.70	76	2717	0.751	ug/l	93
58) 2-Chloroethyl Vinyl ether	9.68	63	5681	3.408	ug/l	100
59) 2-Hexanone	10.74	43	7123	3.421	ug/l	99
60) Dibromochloromethane	10.89	129	1517	0.672	ug/l	98
61) 1,2-Dibromoethane	11.00	107	1446	0.669	ug/l	95
64) Tetrachloroethene	10.62	164	2129	0.844	ug/l	91
65) Chlorobenzene	11.43	112	4581	0.799	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	1709	0.807	ug/l #	53
67) Ethyl Benzene	11.50	91	8108	0.777	ug/l	95
68) m/p-Xylenes	11.62	106	5995	1.523	ug/l	97
69) o-Xylene	11.94	106	2768	0.737	ug/l	96
70) Styrene	11.96	104	4163	0.674	ug/l	96
71) Bromoform	12.12	173	793	0.519	ug/l #	98
73) Isopropylbenzene	12.25	105	7898	0.837	ug/l	95
74) N-amyl acetate	12.07	43	3369	0.817	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.50	83	2119	0.826	ug/l #	93
76) 1,2,3-Trichloropropane	12.55	75	2063m	0.739	ug/l	
77) Bromobenzene	12.52	156	1830	0.792	ug/l	91
78) n-propylbenzene	12.59	91	8941	0.809	ug/l	98
79) 2-Chlorotoluene	12.67	91	5229	0.805	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	6417	0.808	ug/l	94
81) trans-1,4-Dichloro-2-buten	12.30	75	756m	0.747	ug/l	
82) 4-Chlorotoluene	12.77	91	5273	0.770	ug/l	100
83) tert-Butylbenzene	12.99	119	5776	0.840	ug/l	94
84) 1,2,4-Trimethylbenzene	13.04	105	5919	0.738	ug/l	96
85) sec-Butylbenzene	13.17	105	7071	0.768	ug/l	98
86) p-Isopropyltoluene	13.29	119	6594	0.774	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	3457	0.796	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	3578m	0.828	ug/l	
89) n-Butylbenzene	13.61	91	6019	0.769	ug/l	98
90) Hexachloroethane	13.88	117	620	0.503	ug/l	77
91) 1,2-Dichlorobenzene	13.65	146	3393	0.838	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.26	75	789	1.359	ug/l #	45

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	2140	0.744	ug/l	92
94) Hexachlorobutadiene	15.01	225	860	0.631	ug/l	82
95) Naphthalene	15.13	128	5496	0.663	ug/l	97
96) 1,2,3-Trichlorobenzene	15.31	180	2038	0.754	ug/l	92

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

