

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031820\
 Data File : VN060585.D
 Acq On : 18 Mar 2020 12:39
 Operator : JC/MD
 Sample : L1161-07 .75PPB MDL
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 3/19/2020 1:03:25 PM

Quant Time: Mar 19 09:31:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 19 09:13:57 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	205813	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	346884	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	306504	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	130320	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	138637	49.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.14%	
35) Dibromofluoromethane	7.56	113	102316	48.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.56%	
50) Toluene-d8	10.08	98	408721	47.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.42%	
62) 4-Bromofluorobenzene	12.40	95	138751	44.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	1182	0.594	ug/l	99
3) Chloromethane	2.04	50	2833	0.762	ug/l	98
4) Vinyl Chloride	2.16	62	1992	0.685	ug/l #	87
5) Bromomethane	2.55	94	865	0.689	ug/l	90
6) Chloroethane	2.69	64	1238	0.739	ug/l	92
7) Trichlorofluoromethane	3.01	101	2608	0.728	ug/l	97
8) Diethyl Ether	3.38	74	874	0.607	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.73	101	1479	0.712	ug/l #	86
10) Methyl Iodide	3.93	142	1389	0.752	ug/l #	81
11) Tert butyl alcohol	4.73	59	1373	3.304	ug/l #	72
12) 1,1-Dichloroethene	3.72	96	1679	0.753	ug/l	81
13) Acrolein	3.58	56	1166	2.532	ug/l	99
14) Allyl chloride	4.30	41	2937m	0.749	ug/l	
15) Acrylonitrile	4.96	53	3376	2.763	ug/l	97
16) Acetone	3.79	43	3878m	3.875	ug/l	
17) Carbon Disulfide	4.03	76	5376	0.793	ug/l #	92
18) Methyl Acetate	4.30	43	2043m	0.725	ug/l	
19) Methyl tert-butyl Ether	5.00	73	5674	0.741	ug/l	95
20) Methylene Chloride	4.53	84	1671m	0.679	ug/l	
21) trans-1,2-Dichloroethene	5.00	96	1845	0.777	ug/l #	92
22) Diisopropyl ether	5.92	45	5724	0.691	ug/l	95
23) Vinyl Acetate	5.86	43	21385	3.165	ug/l	97
24) 1,1-Dichloroethane	5.82	63	3189	0.707	ug/l #	85
25) 2-Butanone	6.80	43	5429	3.352	ug/l	99
26) 2,2-Dichloropropane	6.79	77	2789	0.785	ug/l	84
27) cis-1,2-Dichloroethene	6.80	96	1949	0.722	ug/l	84
28) Bromochloromethane	7.18	49	1519	0.703	ug/l #	95
29) Tetrahydrofuran	7.18	42	4047	3.532	ug/l #	89
30) Chloroform	7.36	83	3039	0.702	ug/l	92
31) Cyclohexane	7.63	56	7475	1.643	ug/l #	33
32) 1,1,1-Trichloroethane	7.54	97	2582	0.692	ug/l #	51
36) 1,1-Dichloropropene	7.77	75	2393	0.712	ug/l	97
37) Ethyl Acetate	6.90	43	2130	0.587	ug/l #	70
38) Carbon Tetrachloride	7.75	117	1876	0.623	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	2840	0.711	ug/l	96
40) Benzene	8.02	78	7332	0.723	ug/l	98
41) Methacrylonitrile	7.14	41	1021	0.659	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	2811	0.811	ug/l #	75
43) Isopropyl Acetate	8.14	43	3897	0.651	ug/l #	96
44) Trichloroethene	8.82	130	1963	0.768	ug/l	96
45) 1,2-Dichloropropane	9.10	63	1728	0.646	ug/l	96
46) Dibromomethane	9.20	93	1046	0.647	ug/l	92
47) Bromodichloromethane	9.39	83	2054	0.611	ug/l #	88
48) Methyl methacrylate	9.18	41	1684	0.632	ug/l	94
49) 1,4-Dioxane	9.18	88	365	11.523	ug/l #	77
51) 4-Methyl-2-Pentanone	9.97	43	11548	3.390	ug/l	100
52) Toluene	10.14	92	4228	0.690	ug/l	97
53) t-1,3-Dichloropropene	10.37	75	2702	0.700	ug/l	96
54) cis-1,3-Dichloropropene	9.83	75	2776	0.655	ug/l	95
55) 1,1,2-Trichloroethane	10.55	97	1658	0.704	ug/l	95
56) Ethyl methacrylate	10.42	69	2086	0.568	ug/l	95
57) 1,3-Dichloropropane	10.70	76	2709	0.663	ug/l #	71
58) 2-Chloroethyl Vinyl ether	9.68	63	5621	3.079	ug/l	99
59) 2-Hexanone	10.74	43	7635	3.112	ug/l	93
60) Dibromochloromethane	10.89	129	1514	0.622	ug/l	96
61) 1,2-Dibromoethane	10.99	107	1472	0.621	ug/l	98
64) Tetrachloroethene	10.62	164	1758	0.729	ug/l	93
65) Chlorobenzene	11.42	112	4651	0.765	ug/l #	87
66) 1,1,1,2-Tetrachloroethane	11.50	131	1464	0.665	ug/l #	62
67) Ethyl Benzene	11.51	91	8030	0.711	ug/l	97
68) m/p-Xylenes	11.62	106	5713	1.361	ug/l	100
69) o-Xylene	11.94	106	2710	0.676	ug/l	89
70) Styrene	11.96	104	4047	0.617	ug/l	97
71) Bromoform	12.12	173	966	0.588	ug/l #	89
73) Isopropylbenzene	12.24	105	7411	0.758	ug/l	98
74) N-amyl acetate	12.07	43	3067	0.679	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	12.50	83	2073	0.701	ug/l #	96
76) 1,2,3-Trichloropropane	12.55	75	2509m	0.892	ug/l	
77) Bromobenzene	12.52	156	1643	0.697	ug/l	84
78) n-propylbenzene	12.58	91	8814	0.763	ug/l	98
79) 2-Chlorotoluene	12.67	91	5345	0.774	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	5978	0.720	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	724m	0.661	ug/l	
82) 4-Chlorotoluene	12.77	91	5600	0.796	ug/l	94
83) tert-Butylbenzene	12.99	119	5210	0.757	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	5857	0.713	ug/l	98
85) sec-Butylbenzene	13.17	105	6782	0.733	ug/l	100
86) p-Isopropyltoluene	13.29	119	5995	0.721	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	3309	0.796	ug/l	96
88) 1,4-Dichlorobenzene	13.36	146	3307m	0.792	ug/l	
89) n-Butylbenzene	13.61	91	5420	0.722	ug/l	99
90) Hexachloroethane	13.87	117	757	0.626	ug/l	81
91) 1,2-Dichlorobenzene	13.65	146	2906	0.731	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	464	0.699	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	1784	0.731	ug/l	85
94) Hexachlorobutadiene	15.00	225	994	0.831	ug/l	94
95) Naphthalene	15.13	128	4617	0.629	ug/l	95
96) 1,2,3-Trichlorobenzene	15.31	180	1602	0.666	ug/l	91

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

