

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031820\
 Data File : VN060584.D
 Acq On : 18 Mar 2020 12:16
 Operator : JC/MD
 Sample : L1161-07 .5PPB MDL
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 3/19/2020 1:03:18 PM

Quant Time: Mar 19 09:29:31 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	211242	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	353911	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	312160	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	132572	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	140572	48.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.96%	
35) Dibromofluoromethane	7.56	113	103989	48.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.18%	
50) Toluene-d8	10.08	98	413539	47.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.62%	
62) 4-Bromofluorobenzene	12.40	95	140576	43.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	892	0.436	ug/l	93
3) Chloromethane	2.03	50	2242	0.587	ug/l	94
4) Vinyl Chloride	2.16	62	1420	0.476	ug/l	93
5) Bromomethane	2.55	94	552	0.428	ug/l	89
6) Chloroethane	2.69	64	663	0.385	ug/l #	43
7) Trichlorofluoromethane	3.00	101	1716	0.467	ug/l	99
8) Diethyl Ether	3.39	74	669	0.453	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	992	0.465	ug/l #	83
10) Methyl Iodide	3.92	142	1024	0.540	ug/l #	70
11) Tert butyl alcohol	4.73	59	866	2.031	ug/l #	72
12) 1,1-Dichloroethene	3.72	96	1203	0.526	ug/l	88
13) Acrolein	3.58	56	812	1.718	ug/l #	78
14) Allyl chloride	4.30	41	2006	0.499	ug/l #	61
15) Acrylonitrile	4.95	53	2401m	1.915	ug/l	
16) Acetone	3.79	43	2892	2.815	ug/l #	85
17) Carbon Disulfide	4.03	76	4127	0.593	ug/l #	75
18) Methyl Acetate	4.31	43	1326	0.459	ug/l #	54
19) Methyl tert-butyl Ether	5.01	73	4013m	0.510	ug/l	
20) Methylene Chloride	4.52	84	1383	0.547	ug/l #	88
21) trans-1,2-Dichloroethene	5.01	96	1296	0.532	ug/l	92
22) Diisopropyl ether	5.91	45	4066	0.478	ug/l #	69
23) Vinyl Acetate	5.86	43	15270	2.202	ug/l	98
24) 1,1-Dichloroethane	5.82	63	2285	0.493	ug/l #	85
25) 2-Butanone	6.81	43	3793	2.282	ug/l	95
26) 2,2-Dichloropropane	6.79	77	2083	0.571	ug/l #	53
27) cis-1,2-Dichloroethene	6.81	96	1461m	0.527	ug/l	
28) Bromochloromethane	7.17	49	967	0.436	ug/l #	84
29) Tetrahydrofuran	7.19	42	2693	2.290	ug/l #	78
30) Chloroform	7.34	83	2140	0.482	ug/l	99
31) Cyclohexane	7.64	56	6654	1.425	ug/l #	16
32) 1,1,1-Trichloroethane	7.54	97	2012	0.526	ug/l #	49
36) 1,1-Dichloropropene	7.78	75	1722m	0.502	ug/l	
37) Ethyl Acetate	6.90	43	1969	0.532	ug/l #	70
38) Carbon Tetrachloride	7.75	117	1233	0.401	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	2152	0.528	ug/l	99
40) Benzene	8.02	78	5349	0.517	ug/l	98
41) Methacrylonitrile	7.16	41	877	0.555	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	1926	0.545	ug/l #	75
43) Isopropyl Acetate	8.14	43	2809	0.460	ug/l #	82
44) Trichloroethene	8.81	130	1373	0.526	ug/l	91
45) 1,2-Dichloropropane	9.10	63	1445	0.529	ug/l	94
46) Dibromomethane	9.19	93	843	0.511	ug/l #	83
47) Bromodichloromethane	9.39	83	1569	0.458	ug/l #	97
48) Methyl methacrylate	9.18	41	1303	0.479	ug/l #	87
49) 1,4-Dioxane	9.18	88	211	6.529	ug/l #	20
51) 4-Methyl-2-Pentanone	9.97	43	7919	2.279	ug/l	99
52) Toluene	10.14	92	3249	0.520	ug/l	94
53) t-1,3-Dichloropropene	10.37	75	2025	0.514	ug/l	96
54) cis-1,3-Dichloropropene	9.83	75	2033	0.470	ug/l	97
55) 1,1,2-Trichloroethane	10.55	97	1099	0.457	ug/l	97
56) Ethyl methacrylate	10.42	69	1410	0.376	ug/l	91
57) 1,3-Dichloropropane	10.70	76	1899	0.455	ug/l	94
58) 2-Chloroethyl Vinyl ether	9.68	63	3599	1.932	ug/l	98
59) 2-Hexanone	10.74	43	5365	2.143	ug/l	96
60) Dibromochloromethane	10.90	129	1031	0.415	ug/l	98
61) 1,2-Dibromoethane	11.00	107	1100	0.455	ug/l	100
64) Tetrachloroethene	10.63	164	1342	0.546	ug/l	96
65) Chlorobenzene	11.42	112	3251	0.525	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	965	0.431	ug/l #	53
67) Ethyl Benzene	11.50	91	5837	0.507	ug/l	91
68) m/p-Xylenes	11.62	106	4244	0.992	ug/l	96
69) o-Xylene	11.94	106	2082	0.510	ug/l	97
70) Styrene	11.96	104	2961	0.443	ug/l	95
71) Bromoform	12.12	173	623	0.373	ug/l #	29
73) Isopropylbenzene	12.25	105	5188	0.521	ug/l	99
74) N-amyl acetate	12.07	43	2312	0.503	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.50	83	1507	0.501	ug/l #	95
76) 1,2,3-Trichloropropane	12.55	75	1566m	0.547	ug/l	
77) Bromobenzene	12.52	156	1308	0.546	ug/l	90
78) n-propylbenzene	12.59	91	6553	0.558	ug/l	96
79) 2-Chlorotoluene	12.67	91	3794	0.540	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	4430	0.525	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	447m	0.401	ug/l	
82) 4-Chlorotoluene	12.77	91	4150	0.580	ug/l	94
83) tert-Butylbenzene	12.99	119	3784	0.541	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	4432	0.531	ug/l	99
85) sec-Butylbenzene	13.17	105	5033	0.535	ug/l	100
86) p-Isopropyltoluene	13.28	119	4600	0.544	ug/l	93
87) 1,3-Dichlorobenzene	13.28	146	2289	0.541	ug/l	96
88) 1,4-Dichlorobenzene	13.36	146	2645m	0.623	ug/l	
89) n-Butylbenzene	13.61	91	4109	0.538	ug/l	98
90) Hexachloroethane	13.87	117	365	0.297	ug/l	95
91) 1,2-Dichlorobenzene	13.65	146	2158	0.534	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	465	0.688	ug/l #	36

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	1399	0.563	ug/l	97
94) Hexachlorobutadiene	15.01	225	706	0.580	ug/l	90
95) Naphthalene	15.13	128	4456	0.597	ug/l #	90
96) 1,2,3-Trichlorobenzene	15.31	180	1609	0.658	ug/l	92

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

