

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030320\
 Data File : VN060322.D
 Acq On : 3 Mar 2020 12:26
 Operator : JC/MD
 Sample : L1161-07 .5PPB LOD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 3/4/2020 10:44:16 AM

Quant Time: Mar 04 03:14:56 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	197455	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	327963	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	291098	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	129092	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	126140	49.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.58%	
35) Dibromofluoromethane	7.57	113	88261	57.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.96%	
50) Toluene-d8	10.08	98	358778	46.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.14%	
62) 4-Bromofluorobenzene	12.40	95	126475	43.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.60%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.84	85	749	0.414	ug/l	84
3) Chloromethane	2.04	50	1994	0.633	ug/l	93
4) Vinyl Chloride	2.16	62	1287	0.476	ug/l	94
5) Bromomethane	2.55	94	530	0.446	ug/l #	71
6) Chloroethane	2.69	64	653	0.446	ug/l #	40
7) Trichlorofluoromethane	3.00	101	1425	0.413	ug/l	92
8) Diethyl Ether	3.39	74	440	0.337	ug/l	82
9) 1,1,2-Trichlorotrifluoroet	3.74	101	699m	0.358	ug/l	
10) Methyl Iodide	3.93	142	844	0.473	ug/l #	56
11) Tert butyl alcohol	4.74	59	636	1.691	ug/l #	73
12) 1,1-Dichloroethene	3.71	96	1113	0.536	ug/l #	62
13) Acrolein	3.59	56	143	0.407	ug/l	92
14) Allyl chloride	4.30	41	1880	0.537	ug/l #	85
15) Acrylonitrile	4.95	53	1653	1.667	ug/l #	73
16) Acetone	3.79	43	2332	2.850	ug/l	93
17) Carbon Disulfide	4.03	76	3014	0.512	ug/l #	75
18) Methyl Acetate	4.30	43	1362m	0.499	ug/l	
19) Methyl tert-butyl Ether	5.01	73	3832	0.556	ug/l #	91
20) Methylene Chloride	4.52	84	1031	0.459	ug/l	93
21) trans-1,2-Dichloroethene	5.02	96	1068	0.454	ug/l #	72
22) Diisopropyl ether	5.92	45	3129	0.442	ug/l #	86
23) Vinyl Acetate	5.87	43	11547	2.051	ug/l	96
24) 1,1-Dichloroethane	5.82	63	1677	0.418	ug/l #	84
25) 2-Butanone	6.81	43	3095	2.342	ug/l	93
26) 2,2-Dichloropropane	6.80	77	1678	0.460	ug/l #	61
27) cis-1,2-Dichloroethene	6.80	96	1295	0.497	ug/l	76
28) Bromochloromethane	7.17	49	757	0.460	ug/l #	69
29) Tetrahydrofuran	7.19	42	2118	2.305	ug/l #	68
30) Chloroform	7.35	83	1980	0.496	ug/l	85
31) Cyclohexane	7.64	56	5958	1.602	ug/l #	29
32) 1,1,1-Trichloroethane	7.54	97	1444	0.408	ug/l #	46
36) 1,1-Dichloropropene	7.77	75	1397	0.447	ug/l #	77
37) Ethyl Acetate	6.91	43	1589m	0.537	ug/l	
38) Carbon Tetrachloride	7.74	117	1399	0.460	ug/l #	72

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.07	83	1378	0.374	ug/l #	91
40) Benzene	8.02	78	4174	0.459	ug/l	99
41) Methacrylonitrile	7.14	41	733m	0.536	ug/l	
42) 1,2-Dichloroethane	8.11	62	1653	0.504	ug/l #	76
43) Isopropyl Acetate	8.14	43	2304	0.445	ug/l #	74
44) Trichloroethene	8.82	130	1194	0.471	ug/l	78
45) 1,2-Dichloropropane	9.11	63	962	0.404	ug/l #	44
46) Dibromomethane	9.20	93	516m	0.334	ug/l	
47) Bromodichloromethane	9.39	83	1290	0.411	ug/l #	93
48) Methyl methacrylate	9.18	41	949	0.402	ug/l	86
49) 1,4-Dioxane	9.18	88	100	3.010	ug/l #	22
51) 4-Methyl-2-Pentanone	9.97	43	6338	2.157	ug/l	97
52) Toluene	10.14	92	2516	0.440	ug/l	94
53) t-1,3-Dichloropropene	10.37	75	1649	0.429	ug/l #	77
54) cis-1,3-Dichloropropene	9.82	75	1899	0.476	ug/l	91
55) 1,1,2-Trichloroethane	10.55	97	1094	0.476	ug/l	97
56) Ethyl methacrylate	10.42	69	1189	0.360	ug/l #	64
57) 1,3-Dichloropropane	10.70	76	1615	0.431	ug/l	94
58) 2-Chloroethyl Vinyl ether	9.68	63	3505	2.030	ug/l	93
59) 2-Hexanone	10.74	43	4391	2.036	ug/l	95
60) Dibromochloromethane	10.89	129	920	0.394	ug/l	82
61) 1,2-Dibromoethane	11.00	107	859	0.383	ug/l	97
64) Tetrachloroethene	10.63	164	1353	0.523	ug/l	92
65) Chlorobenzene	11.43	112	2631	0.448	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.50	131	825	0.380	ug/l #	62
67) Ethyl Benzene	11.51	91	4778	0.446	ug/l	94
68) m/p-Xylenes	11.62	106	3396	0.841	ug/l	97
69) o-Xylene	11.94	106	1605	0.417	ug/l	100
70) Styrene	11.96	104	2535	0.400	ug/l	94
71) Bromoform	12.12	173	486	0.310	ug/l #	29
73) Isopropylbenzene	12.25	105	4431	0.463	ug/l	99
74) N-amyl acetate	12.06	43	2012	0.481	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	12.50	83	1183	0.455	ug/l #	93
76) 1,2,3-Trichloropropane	12.55	75	1501m	0.530	ug/l	
77) Bromobenzene	12.52	156	948	0.404	ug/l	60
78) n-propylbenzene	12.59	91	5214	0.465	ug/l	97
79) 2-Chlorotoluene	12.67	91	3240	0.491	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	3669	0.455	ug/l	94
81) trans-1,4-Dichloro-2-buten	12.29	75	427m	0.416	ug/l	
82) 4-Chlorotoluene	12.77	91	3401	0.490	ug/l	96
83) tert-Butylbenzene	12.99	119	3372	0.483	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	3649	0.449	ug/l	97
85) sec-Butylbenzene	13.17	105	4137	0.443	ug/l	99
86) p-Isopropyltoluene	13.29	119	3930	0.455	ug/l	94
87) 1,3-Dichlorobenzene	13.28	146	2031	0.461	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	2255m	0.515	ug/l	
89) n-Butylbenzene	13.61	91	3644	0.459	ug/l	94
90) Hexachloroethane	13.87	117	362	0.289	ug/l #	38
91) 1,2-Dichlorobenzene	13.65	146	1949	0.474	ug/l	93
92) 1,2-Dibromo-3-Chloropropan	14.26	75	657m	1.115	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	1519	0.521	ug/l	82
94) Hexachlorobutadiene	15.01	225	567	0.410	ug/l	96
95) Naphthalene	15.13	128	4097	0.487	ug/l #	93
96) 1,2,3-Trichlorobenzene	15.31	180	1473	0.537	ug/l	86

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

