

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031820\
 Data File : VN060586.D
 Acq On : 18 Mar 2020 13:01
 Operator : JC/MD
 Sample : L1161-07 2.5PPB MDL
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 3/19/2020 1:03:30 PM

Quant Time: Mar 19 09:33:24 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	207438	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	345041	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	307054	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	132810	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	140366	49.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.58%	
35) Dibromofluoromethane	7.56	113	101804	48.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.60%	
50) Toluene-d8	10.08	98	409924	48.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.20%	
62) 4-Bromofluorobenzene	12.40	95	139747	44.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	4144	2.065	ug/l	97
3) Chloromethane	2.04	50	8816	2.352	ug/l	95
4) Vinyl Chloride	2.16	62	6657	2.270	ug/l	99
5) Bromomethane	2.54	94	3180	2.512	ug/l	98
6) Chloroethane	2.68	64	4054	2.400	ug/l	99
7) Trichlorofluoromethane	3.00	101	8772	2.429	ug/l	96
8) Diethyl Ether	3.39	74	3528	2.431	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	4995	2.387	ug/l	96
10) Methyl Iodide	3.93	142	4922	2.643	ug/l #	98
11) Tert butyl alcohol	4.73	59	5765m	13.766	ug/l	
12) 1,1-Dichloroethene	3.72	96	5375	2.393	ug/l	98
13) Acrolein	3.58	56	5137	11.067	ug/l	97
14) Allyl chloride	4.30	41	10380	2.628	ug/l	91
15) Acrylonitrile	4.95	53	14291	11.604	ug/l	96
16) Acetone	3.79	43	12971	12.859	ug/l	98
17) Carbon Disulfide	4.03	76	16717	2.447	ug/l	100
18) Methyl Acetate	4.29	43	6583	2.319	ug/l	95
19) Methyl tert-butyl Ether	5.01	73	18892	2.447	ug/l	92
20) Methylene Chloride	4.52	84	6196	2.497	ug/l	97
21) trans-1,2-Dichloroethene	5.02	96	6080	2.540	ug/l #	90
22) Diisopropyl ether	5.92	45	20385	2.443	ug/l	93
23) Vinyl Acetate	5.86	43	80381	11.805	ug/l	100
24) 1,1-Dichloroethane	5.81	63	11100	2.440	ug/l #	95
25) 2-Butanone	6.80	43	19561	11.984	ug/l	94
26) 2,2-Dichloropropane	6.80	77	9976	2.787	ug/l	80
27) cis-1,2-Dichloroethene	6.80	96	6866	2.524	ug/l	97
28) Bromochloromethane	7.16	49	5335	2.451	ug/l #	98
29) Tetrahydrofuran	7.18	42	14048	12.164	ug/l	98
30) Chloroform	7.35	83	10987	2.519	ug/l	97
31) Cyclohexane	7.63	56	15450	3.369	ug/l #	68
32) 1,1,1-Trichloroethane	7.54	97	9265	2.464	ug/l	98
36) 1,1-Dichloropropene	7.77	75	8499	2.544	ug/l	95
37) Ethyl Acetate	6.90	43	8605	2.384	ug/l #	92
38) Carbon Tetrachloride	7.75	117	7074	2.362	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	9547	2.405	ug/l	93
40) Benzene	8.02	78	25205	2.499	ug/l	99
41) Methacrylonitrile	7.14	41	3134	2.034	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	8747	2.538	ug/l	97
43) Isopropyl Acetate	8.14	43	14254	2.394	ug/l #	92
44) Trichloroethene	8.82	130	6630	2.608	ug/l	91
45) 1,2-Dichloropropane	9.10	63	6477	2.434	ug/l	93
46) Dibromomethane	9.19	93	3849	2.392	ug/l	99
47) Bromodichloromethane	9.39	83	8147	2.437	ug/l	96
48) Methyl methacrylate	9.18	41	6392	2.411	ug/l	96
49) 1,4-Dioxane	9.18	88	1536	48.750	ug/l	87
51) 4-Methyl-2-Pentanone	9.97	43	40893	12.070	ug/l	99
52) Toluene	10.14	92	15099	2.479	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	9217	2.400	ug/l	98
54) cis-1,3-Dichloropropene	9.82	75	10107	2.399	ug/l	97
55) 1,1,2-Trichloroethane	10.55	97	5849	2.496	ug/l	96
56) Ethyl methacrylate	10.42	69	7542	2.064	ug/l	93
57) 1,3-Dichloropropane	10.70	76	10065	2.475	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	22212	12.231	ug/l	99
59) 2-Hexanone	10.74	43	28072	11.503	ug/l	98
60) Dibromochloromethane	10.89	129	5547	2.292	ug/l	96
61) 1,2-Dibromoethane	10.99	107	5324	2.259	ug/l	96
64) Tetrachloroethene	10.62	164	6409	2.652	ug/l	98
65) Chlorobenzene	11.43	112	15095	2.480	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.50	131	5242	2.378	ug/l	93
67) Ethyl Benzene	11.50	91	28589	2.526	ug/l	97
68) m/p-Xylenes	11.62	106	20868	4.961	ug/l	96
69) o-Xylene	11.94	106	9718	2.420	ug/l	98
70) Styrene	11.96	104	14923	2.272	ug/l	98
71) Bromoform	12.12	173	3787	2.303	ug/l #	99
73) Isopropylbenzene	12.24	105	26003	2.609	ug/l	99
74) N-amyl acetate	12.06	43	11200	2.432	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.50	83	7760	2.575	ug/l	97
76) 1,2,3-Trichloropropane	12.55	75	6757m	2.358	ug/l	
77) Bromobenzene	12.52	156	6267	2.609	ug/l	96
78) n-propylbenzene	12.59	91	30277	2.571	ug/l	98
79) 2-Chlorotoluene	12.67	91	18064	2.567	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	21826	2.580	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	2522	2.260	ug/l	89
82) 4-Chlorotoluene	12.77	91	18259	2.548	ug/l	98
83) tert-Butylbenzene	12.99	119	18363	2.619	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	21067	2.518	ug/l	100
85) sec-Butylbenzene	13.17	105	24049	2.551	ug/l	98
86) p-Isopropyltoluene	13.28	119	20938	2.470	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	10899	2.573	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	10953	2.574	ug/l	85
89) n-Butylbenzene	13.61	91	19019	2.485	ug/l	97
90) Hexachloroethane	13.87	117	2940	2.386	ug/l	87
91) 1,2-Dichlorobenzene	13.65	146	10379	2.563	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	1529	2.259	ug/l	86

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	5341	2.147	ug/l	99
94) Hexachlorobutadiene	15.00	225	3116	2.556	ug/l	99
95) Naphthalene	15.13	128	15241	2.037	ug/l	98
96) 1,2,3-Trichlorobenzene	15.31	180	5531	2.258	ug/l	97

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

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