

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031820\
 Data File : VN060587.D
 Acq On : 18 Mar 2020 13:24
 Operator : JC/MD
 Sample : L1161-08 1.0PPB LOQ
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT1-2020

Manual Integrations
 APPROVED

MMDadoda
 3/19/2020 1:03:36 PM

Quant Time: Mar 19 09:35:27 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	206435	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	343296	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	303466	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	128909	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	141444	49.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.82%	
35) Dibromofluoromethane	7.56	113	102829	49.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.08%	
50) Toluene-d8	10.08	98	412375	48.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.28%	
62) 4-Bromofluorobenzene	12.40	95	140293	45.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.30%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.83	85	1758	0.880	ug/l	95
3) Chloromethane	2.03	50	3606	0.967	ug/l	98
4) Vinyl Chloride	2.16	62	2857	0.979	ug/l	96
5) Bromomethane	2.55	94	1219	0.968	ug/l	94
6) Chloroethane	2.68	64	1536	0.914	ug/l	90
7) Trichlorofluoromethane	3.00	101	3354	0.933	ug/l	95
8) Diethyl Ether	3.39	74	1179	0.817	ug/l	78
9) 1,1,2-Trichlorotrifluoroet	3.74	101	2013	0.967	ug/l #	83
10) Methyl Iodide	3.92	142	1938	1.046	ug/l #	83
11) Tert butyl alcohol	4.73	59	2139m	5.132	ug/l	
12) 1,1-Dichloroethene	3.72	96	2259	1.011	ug/l	90
13) Acrolein	3.59	56	1926	4.170	ug/l	98
14) Allyl chloride	4.30	41	4006	1.019	ug/l	95
15) Acrylonitrile	4.96	53	5128	4.184	ug/l	98
16) Acetone	3.79	43	4937	4.918	ug/l	94
17) Carbon Disulfide	4.02	76	6868	1.010	ug/l	98
18) Methyl Acetate	4.30	43	2430	0.860	ug/l #	75
19) Methyl tert-butyl Ether	5.00	73	7933	1.032	ug/l	92
20) Methylene Chloride	4.52	84	2553	1.034	ug/l	95
21) trans-1,2-Dichloroethene	5.00	96	2516m	1.056	ug/l	
22) Diisopropyl ether	5.92	45	7967	0.959	ug/l #	87
23) Vinyl Acetate	5.86	43	30961	4.569	ug/l	100
24) 1,1-Dichloroethane	5.82	63	4231	0.935	ug/l #	85
25) 2-Butanone	6.81	43	7522	4.631	ug/l	95
26) 2,2-Dichloropropane	6.79	77	4073	1.143	ug/l #	76
27) cis-1,2-Dichloroethene	6.80	96	2834	1.047	ug/l	97
28) Bromochloromethane	7.17	49	1867	0.862	ug/l #	94
29) Tetrahydrofuran	7.19	42	5299	4.611	ug/l	95
30) Chloroform	7.35	83	4254	0.980	ug/l	99
31) Cyclohexane	7.63	56	8848	1.939	ug/l #	51
32) 1,1,1-Trichloroethane	7.55	97	3570	0.954	ug/l #	52
36) 1,1-Dichloropropene	7.77	75	3328	1.001	ug/l	94
37) Ethyl Acetate	6.90	43	4123m	1.148	ug/l	
38) Carbon Tetrachloride	7.74	117	2850	0.957	ug/l #	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	4054	1.026	ug/l	92
40) Benzene	8.02	78	9676	0.964	ug/l	99
41) Methacrylonitrile	7.15	41	1434m	0.935	ug/l	
42) 1,2-Dichloroethane	8.10	62	3559	1.038	ug/l	85
43) Isopropyl Acetate	8.14	43	5580	0.942	ug/l	94
44) Trichloroethene	8.82	130	2757	1.090	ug/l	85
45) 1,2-Dichloropropane	9.10	63	2705	1.022	ug/l	89
46) Dibromomethane	9.20	93	1460	0.912	ug/l	96
47) Bromodichloromethane	9.39	83	3073	0.924	ug/l #	84
48) Methyl methacrylate	9.18	41	2377	0.901	ug/l	92
49) 1,4-Dioxane	9.18	88	492	15.695	ug/l #	75
51) 4-Methyl-2-Pentanone	9.97	43	15651	4.643	ug/l	100
52) Toluene	10.14	92	6213	1.025	ug/l	97
53) t-1,3-Dichloropropene	10.37	75	3649	0.955	ug/l #	88
54) cis-1,3-Dichloropropene	9.82	75	3848	0.918	ug/l	96
55) 1,1,2-Trichloroethane	10.55	97	2388	1.024	ug/l	95
56) Ethyl methacrylate	10.42	69	2846	0.783	ug/l	89
57) 1,3-Dichloropropane	10.70	76	3838	0.949	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.68	63	7922	4.385	ug/l	100
59) 2-Hexanone	10.74	43	10521	4.333	ug/l	97
60) Dibromochloromethane	10.89	129	2266	0.941	ug/l	99
61) 1,2-Dibromoethane	11.00	107	2110	0.900	ug/l	97
64) Tetrachloroethene	10.62	164	2800	1.173	ug/l	96
65) Chlorobenzene	11.43	112	6142	1.021	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.50	131	2032	0.933	ug/l #	58
67) Ethyl Benzene	11.50	91	11218	1.003	ug/l	98
68) m/p-Xylenes	11.62	106	7818	1.881	ug/l	98
69) o-Xylene	11.94	106	3703	0.933	ug/l	95
70) Styrene	11.96	104	5703	0.879	ug/l	99
71) Bromoform	12.12	173	1319	0.812	ug/l #	98
73) Isopropylbenzene	12.24	105	10193	1.054	ug/l	99
74) N-amyl acetate	12.06	43	4628	1.035	ug/l #	92
75) 1,1,2,2-Tetrachloroethane	12.50	83	3014	1.030	ug/l #	95
76) 1,2,3-Trichloropropane	12.55	75	2810m	1.010	ug/l	
77) Bromobenzene	12.52	156	2672	1.146	ug/l	93
78) n-propylbenzene	12.59	91	11798	1.032	ug/l	97
79) 2-Chlorotoluene	12.67	91	7088	1.038	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	8465	1.031	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	1108m	1.023	ug/l	
82) 4-Chlorotoluene	12.77	91	7378	1.061	ug/l	99
83) tert-Butylbenzene	12.99	119	7608	1.118	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	8230	1.013	ug/l	97
85) sec-Butylbenzene	13.17	105	9323	1.019	ug/l	96
86) p-Isopropyltoluene	13.28	119	8113	0.986	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	4450	1.082	ug/l	97
88) 1,4-Dichlorobenzene	13.36	146	4411m	1.068	ug/l	
89) n-Butylbenzene	13.61	91	7469	1.005	ug/l	99
90) Hexachloroethane	13.87	117	1096	0.916	ug/l	83
91) 1,2-Dichlorobenzene	13.65	146	4348	1.106	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	697	1.061	ug/l	66

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	2129	0.882	ug/l	97
94) Hexachlorobutadiene	15.01	225	1217	1.028	ug/l	97
95) Naphthalene	15.13	128	6295	0.867	ug/l	95
96) 1,2,3-Trichlorobenzene	15.31	180	2335	0.982	ug/l	93

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

