

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031820\
 Data File : VN060588.D
 Acq On : 18 Mar 2020 13:47
 Operator : JC/MD
 Sample : L1161-08 5.0PPB LOQ
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 3/19/2020 1:03:43 PM

Quant Time: Mar 19 09:36:50 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	203374	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	338422	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	305272	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	136226	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	137741	49.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.68%	
35) Dibromofluoromethane	7.57	113	101375	49.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.08%	
50) Toluene-d8	10.08	98	410086	49.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.12%	
62) 4-Bromofluorobenzene	12.40	95	143649	46.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	8719	4.431	ug/l	94
3) Chloromethane	2.03	50	17743	4.828	ug/l	99
4) Vinyl Chloride	2.16	62	13979	4.863	ug/l	96
5) Bromomethane	2.54	94	6200	4.996	ug/l	98
6) Chloroethane	2.68	64	8036	4.853	ug/l	99
7) Trichlorofluoromethane	3.00	101	18392	5.194	ug/l	99
8) Diethyl Ether	3.38	74	7329	5.152	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	10707	5.218	ug/l	98
10) Methyl Iodide	3.93	142	9925	5.436	ug/l	97
11) Tert butyl alcohol	4.73	59	11001	26.793	ug/l	95
12) 1,1-Dichloroethene	3.71	96	11713	5.319	ug/l	92
13) Acrolein	3.58	56	10560	23.206	ug/l	98
14) Allyl chloride	4.29	41	20521	5.299	ug/l	96
15) Acrylonitrile	4.94	53	30076	24.910	ug/l	97
16) Acetone	3.78	43	24807	25.085	ug/l	98
17) Carbon Disulfide	4.03	76	34282	5.119	ug/l	100
18) Methyl Acetate	4.29	43	13807	4.960	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	37705	4.981	ug/l	95
20) Methylene Chloride	4.52	84	13090	5.381	ug/l	96
21) trans-1,2-Dichloroethene	5.00	96	12143	5.174	ug/l	96
22) Diisopropyl ether	5.91	45	42151	5.152	ug/l #	88
23) Vinyl Acetate	5.86	43	168809	25.287	ug/l	98
24) 1,1-Dichloroethane	5.82	63	22997	5.156	ug/l	98
25) 2-Butanone	6.80	43	40964	25.598	ug/l	99
26) 2,2-Dichloropropane	6.80	77	19293	5.498	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	14209	5.328	ug/l	99
28) Bromochloromethane	7.17	49	10678	5.004	ug/l #	100
29) Tetrahydrofuran	7.18	42	29387	25.954	ug/l	99
30) Chloroform	7.34	83	21645	5.062	ug/l	96
31) Cyclohexane	7.63	56	25642	5.703	ug/l #	78
32) 1,1,1-Trichloroethane	7.55	97	18948	5.140	ug/l	98
36) 1,1-Dichloropropene	7.77	75	16922	5.164	ug/l	99
37) Ethyl Acetate	6.90	43	18702	5.282	ug/l	98
38) Carbon Tetrachloride	7.75	117	15165	5.163	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	20343	5.224	ug/l	97
40) Benzene	8.02	78	51461	5.202	ug/l	99
41) Methacrylonitrile	7.14	41	7412m	4.905	ug/l	
42) 1,2-Dichloroethane	8.10	62	17800	5.265	ug/l	98
43) Isopropyl Acetate	8.14	43	29829	5.108	ug/l	93
44) Trichloroethene	8.82	130	13251	5.314	ug/l	98
45) 1,2-Dichloropropane	9.10	63	13754	5.269	ug/l	100
46) Dibromomethane	9.19	93	8276	5.244	ug/l	99
47) Bromodichloromethane	9.39	83	16682	5.087	ug/l	98
48) Methyl methacrylate	9.18	41	12418	4.776	ug/l	96
49) 1,4-Dioxane	9.18	88	3700	119.729	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	86555	26.048	ug/l	99
52) Toluene	10.14	92	31921	5.343	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	19321	5.129	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	20842	5.044	ug/l	96
55) 1,1,2-Trichloroethane	10.55	97	12128	5.277	ug/l	98
56) Ethyl methacrylate	10.42	69	17281	4.822	ug/l	98
57) 1,3-Dichloropropane	10.70	76	21080	5.285	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.68	63	43331	24.327	ug/l	99
59) 2-Hexanone	10.74	43	59536	24.872	ug/l	99
60) Dibromochloromethane	10.89	129	12181	5.131	ug/l	95
61) 1,2-Dibromoethane	10.99	107	11786	5.100	ug/l	100
64) Tetrachloroethene	10.62	164	13428	5.590	ug/l	93
65) Chlorobenzene	11.43	112	31506	5.206	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	11856	5.411	ug/l	97
67) Ethyl Benzene	11.50	91	58725	5.218	ug/l	97
68) m/p-Xylenes	11.62	106	43572	10.419	ug/l	98
69) o-Xylene	11.94	106	20963	5.251	ug/l	98
70) Styrene	11.96	104	31157	4.772	ug/l	99
71) Bromoform	12.12	173	7813	4.778	ug/l #	99
73) Isopropylbenzene	12.24	105	55335	5.413	ug/l	99
74) N-amyl acetate	12.06	43	23949	5.070	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	16667	5.391	ug/l	97
76) 1,2,3-Trichloropropane	12.55	75	15738m	5.354	ug/l	
77) Bromobenzene	12.52	156	13137	5.333	ug/l	100
78) n-propylbenzene	12.59	91	63670	5.272	ug/l	99
79) 2-Chlorotoluene	12.67	91	39258	5.440	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	46087	5.312	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	5546	4.846	ug/l	94
82) 4-Chlorotoluene	12.77	91	39022	5.309	ug/l	98
83) tert-Butylbenzene	12.99	119	38754	5.389	ug/l	98
84) 1,2,4-Trimethylbenzene	13.03	105	44815	5.221	ug/l	98
85) sec-Butylbenzene	13.17	105	51282	5.303	ug/l	99
86) p-Isopropyltoluene	13.28	119	44434	5.109	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	23523	5.414	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	22279	5.104	ug/l	93
89) n-Butylbenzene	13.61	91	39165	4.988	ug/l	98
90) Hexachloroethane	13.87	117	6441	5.095	ug/l	94
91) 1,2-Dichlorobenzene	13.65	146	22754	5.477	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.26	75	3322	4.786	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	12223	4.791	ug/l	97
94) Hexachlorobutadiene	15.01	225	6715	5.369	ug/l	100
95) Naphthalene	15.13	128	33254	4.334	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	11952	4.756	ug/l	100

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

