

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052920\
 Data File : VN061561.D
 Acq On : 29 May 2020 12:51
 Operator : JC/MD
 Sample : L2182-09 .5PPB MDL
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT2-2020DL

Manual Integrations
 APPROVED

MMDadoda
 6/1/2020 12:30:01 PM

Quant Time: May 30 07:26:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052820W.M
 Quant Title : SW846 8260
 QLast Update : Sat May 30 07:13:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	283789	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	503977	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	458216	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	189296	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	200954	59.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	118.86%	
35) Dibromofluoromethane	7.55	113	154932	60.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	121.20%	
50) Toluene-d8	10.06	98	631057	53.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.52%	
62) 4-Bromofluorobenzene	12.38	95	205577	47.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	1010	0.341	ug/l	95
3) Chloromethane	2.03	50	2267	0.655	ug/l	93
4) Vinyl Chloride	2.16	62	2550	0.538	ug/l	95
5) Bromomethane	2.55	94	2258	0.830	ug/l	84
6) Chloroethane	2.67	64	1576	0.516	ug/l	97
7) Trichlorofluoromethane	2.98	101	3392	0.555	ug/l	99
8) Diethyl Ether	3.37	74	627	0.335	ug/l #	48
9) 1,1,2-Trichlorotrifluoroet	3.70	101	1296m	0.477	ug/l	
10) Methyl Iodide	3.91	142	2454	0.651	ug/l #	87
11) Tert butyl alcohol	4.74	59	1345m	2.991	ug/l	
12) 1,1-Dichloroethene	3.70	96	1361m	0.469	ug/l	
13) Acrolein	3.57	56	747	4.332	ug/l	98
14) Allyl chloride	4.27	41	1576	0.416	ug/l #	76
15) Acrylonitrile	4.94	53	2505	1.996	ug/l #	28
16) Acetone	3.78	43	4324	3.616	ug/l	98
17) Carbon Disulfide	4.00	76	4284	0.671	ug/l	98
18) Methyl Acetate	4.29	43	1878m	0.614	ug/l	
19) Methyl tert-butyl Ether	5.00	73	4779m	0.484	ug/l	
20) Methylene Chloride	4.50	84	1848	0.446	ug/l	87
21) trans-1,2-Dichloroethene	4.98	96	1865m	0.570	ug/l	
22) Diisopropyl ether	5.90	45	4160	0.498	ug/l	96
23) Vinyl Acetate	5.84	43	14259	2.141	ug/l	99
24) 1,1-Dichloroethane	5.79	63	2783m	0.525	ug/l	
25) 2-Butanone	6.79	43	3813	2.380	ug/l	97
26) 2,2-Dichloropropane	6.78	77	2954m	0.609	ug/l	
27) cis-1,2-Dichloroethene	6.79	96	1649	0.445	ug/l	75
28) Bromochloromethane	7.15	49	1231	0.538	ug/l #	83
29) Tetrahydrofuran	7.17	42	2580	2.442	ug/l #	74
30) Chloroform	7.33	83	2882	0.492	ug/l	99
31) Cyclohexane	7.62	56	7778	1.632	ug/l #	32
32) 1,1,1-Trichloroethane	7.52	97	2443	0.457	ug/l #	39
36) 1,1-Dichloropropene	7.75	75	2030	0.455	ug/l #	89
37) Ethyl Acetate	6.88	43	1724m	0.480	ug/l	
38) Carbon Tetrachloride	7.72	117	1413m	0.328	ug/l	

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

39) Methylcyclohexane	9.05	83	2475	0.450	ug/l	92
40) Benzene	8.00	78	5986	0.435	ug/l	96
41) Methacrylonitrile	7.12	41	731	0.444	ug/l #	61
42) 1,2-Dichloroethane	8.08	62	2396	0.520	ug/l #	72
43) Isopropyl Acetate	8.13	43	2817	0.436	ug/l #	79
44) Trichloroethene	8.80	130	2022	0.478	ug/l	80
45) 1,2-Dichloropropane	9.09	63	1468	0.449	ug/l	100
46) Dibromomethane	9.18	93	1082	0.432	ug/l	88
47) Bromodichloromethane	9.37	83	2104	0.424	ug/l #	85
48) Methyl methacrylate	9.17	41	1305	0.449	ug/l	89
49) 1,4-Dioxane	9.17	88	626	13.892	ug/l #	54
51) 4-Methyl-2-Pentanone	9.95	43	7427	2.039	ug/l	99
52) Toluene	10.12	92	4002	0.445	ug/l	94
53) t-1,3-Dichloropropene	10.35	75	2366	0.442	ug/l	91
54) cis-1,3-Dichloropropene	9.81	75	2406	0.418	ug/l #	86
55) 1,1,2-Trichloroethane	10.53	97	1595	0.446	ug/l #	81
56) Ethyl methacrylate	10.41	69	1643	0.329	ug/l #	63
57) 1,3-Dichloropropane	10.68	76	2540	0.444	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.67	63	4367	2.044	ug/l	93
59) 2-Hexanone	10.73	43	5248	2.006	ug/l	94
60) Dibromochloromethane	10.88	129	1333	0.328	ug/l	97
61) 1,2-Dibromoethane	10.98	107	1471m	0.394	ug/l	
64) Tetrachloroethene	10.61	164	2087	0.484	ug/l	85
65) Chlorobenzene	11.41	112	4470	0.469	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.49	131	1490	0.420	ug/l #	59
67) Ethyl Benzene	11.48	91	7522	0.457	ug/l	99
68) m/p-Xylenes	11.59	106	5444	0.834	ug/l	91
69) o-Xylene	11.92	106	2703	0.436	ug/l	100
70) Styrene	11.94	104	3894	0.379	ug/l #	87
71) Bromoform	12.10	173	982	0.359	ug/l #	28
73) Isopropylbenzene	12.22	105	6940	0.502	ug/l	94
74) N-amyl acetate	12.05	43	2437	0.560	ug/l #	76
75) 1,1,2,2-Tetrachloroethane	12.48	83	1953	0.504	ug/l #	96
76) 1,2,3-Trichloropropane	12.53	75	2363m	0.686	ug/l	
77) Bromobenzene	12.50	156	1874	0.531	ug/l	73
78) n-propylbenzene	12.57	91	7829	0.508	ug/l	97
79) 2-Chlorotoluene	12.65	91	5135	0.558	ug/l	87
80) 1,3,5-Trimethylbenzene	12.71	105	5401	0.468	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.28	75	323m	0.240	ug/l	
82) 4-Chlorotoluene	12.75	91	5244	0.542	ug/l	89
83) tert-Butylbenzene	12.97	119	5078	0.498	ug/l	92
84) 1,2,4-Trimethylbenzene	13.02	105	6104	0.532	ug/l	96
85) sec-Butylbenzene	13.15	105	6400	0.487	ug/l	96
86) p-Isopropyltoluene	13.26	119	5964	0.493	ug/l	96
87) 1,3-Dichlorobenzene	13.26	146	3249	0.520	ug/l	93
88) 1,4-Dichlorobenzene	13.34	146	3860m	0.607	ug/l	
89) n-Butylbenzene	13.59	91	5107	0.504	ug/l	97
90) Hexachloroethane	13.85	117	534	0.399	ug/l	71
91) 1,2-Dichlorobenzene	13.63	146	2758	0.462	ug/l	80
92) 1,2-Dibromo-3-Chloropropan	14.24	75	309m	0.391	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.89	180	1948	0.558	ug/l	93
94) Hexachlorobutadiene	14.98	225	760	0.511	ug/l	78
95) Naphthalene	15.11	128	6968	0.656	ug/l #	90
96) 1,2,3-Trichlorobenzene	15.29	180	2083	0.607	ug/l	93

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

