

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031820\
 Data File : VN060574.D
 Acq On : 17 Mar 2020 23:21
 Operator : JC/MD
 Sample : L1161-08 1.0PPB LOQ
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 37 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 3/19/2020 1:02:30 PM

Quant Time: Mar 18 09:21:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 09:02:01 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	204470	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	346485	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	309492	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	132173	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	138420	49.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.62%	
35) Dibromofluoromethane	7.57	113	101205	48.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.62%	
50) Toluene-d8	10.08	98	403636	47.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.34%	
62) 4-Bromofluorobenzene	12.40	95	138472	44.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.30%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.83	85	1551	0.784	ug/l	93
3) Chloromethane	2.04	50	3430	0.928	ug/l	94
4) Vinyl Chloride	2.16	62	2573	0.890	ug/l	96
5) Bromomethane	2.55	94	1240	0.994	ug/l	92
6) Chloroethane	2.68	64	1571	0.944	ug/l #	87
7) Trichlorofluoromethane	3.00	101	3228	0.907	ug/l	99
8) Diethyl Ether	3.39	74	1288	0.901	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	1830	0.887	ug/l	91
10) Methyl Iodide	3.93	142	1772m	0.965	ug/l	
11) Tert butyl alcohol	4.73	59	1728	4.186	ug/l #	72
12) 1,1-Dichloroethene	3.71	96	2083	0.941	ug/l	86
13) Acrolein	3.59	56	1647	3.600	ug/l #	55
14) Allyl chloride	4.30	41	3372	0.866	ug/l	89
15) Acrylonitrile	4.96	53	4290	3.534	ug/l #	58
16) Acetone	3.79	43	4729	4.756	ug/l	98
17) Carbon Disulfide	4.03	76	7052	1.047	ug/l #	95
18) Methyl Acetate	4.28	43	2379m	0.850	ug/l	
19) Methyl tert-butyl Ether	5.00	73	7133m	0.937	ug/l	
20) Methylene Chloride	4.51	84	2383	0.974	ug/l	92
21) trans-1,2-Dichloroethene	5.02	96	2398m	1.016	ug/l	
22) Diisopropyl ether	5.92	45	7475	0.909	ug/l	97
23) Vinyl Acetate	5.87	43	28554	4.254	ug/l	97
24) 1,1-Dichloroethane	5.82	63	4346	0.969	ug/l #	85
25) 2-Butanone	6.81	43	6863	4.266	ug/l	96
26) 2,2-Dichloropropane	6.79	77	3051	0.865	ug/l	85
27) cis-1,2-Dichloroethene	6.80	96	2720	1.014	ug/l	91
28) Bromochloromethane	7.17	49	2130	0.993	ug/l #	95
29) Tetrahydrofuran	7.19	42	4829	4.242	ug/l	97
30) Chloroform	7.35	83	4152	0.966	ug/l	99
31) Cyclohexane	7.64	56	7963	1.761	ug/l #	34
32) 1,1,1-Trichloroethane	7.55	97	3333	0.899	ug/l #	51
36) 1,1-Dichloropropene	7.77	75	3209	0.956	ug/l	94
37) Ethyl Acetate	6.90	43	3733	1.030	ug/l #	70
38) Carbon Tetrachloride	7.75	117	2600	0.865	ug/l	87

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	3578	0.897	ug/l	97
40) Benzene	8.02	78	9208	0.909	ug/l	97
41) Methacrylonitrile	7.15	41	1506m	0.973	ug/l	
42) 1,2-Dichloroethane	8.10	62	3457	0.999	ug/l	85
43) Isopropyl Acetate	8.14	43	5092	0.852	ug/l #	82
44) Trichloroethene	8.82	130	2595	1.016	ug/l	87
45) 1,2-Dichloropropane	9.10	63	2315	0.866	ug/l	94
46) Dibromomethane	9.19	93	1493	0.924	ug/l	92
47) Bromodichloromethane	9.39	83	2851	0.849	ug/l #	95
48) Methyl methacrylate	9.18	41	2287	0.859	ug/l	91
49) 1,4-Dioxane	9.18	88	383	12.105	ug/l #	63
51) 4-Methyl-2-Pentanone	9.97	43	14356	4.220	ug/l	99
52) Toluene	10.14	92	5584	0.913	ug/l	94
53) t-1,3-Dichloropropene	10.37	75	3350	0.869	ug/l	95
54) cis-1,3-Dichloropropene	9.83	75	3700	0.875	ug/l	90
55) 1,1,2-Trichloroethane	10.55	97	2096	0.891	ug/l	95
56) Ethyl methacrylate	10.42	69	2557	0.697	ug/l	90
57) 1,3-Dichloropropane	10.70	76	3582	0.877	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.68	63	7483	4.103	ug/l	100
59) 2-Hexanone	10.74	43	9756	3.981	ug/l	94
60) Dibromochloromethane	10.90	129	1990	0.819	ug/l	99
61) 1,2-Dibromoethane	10.99	107	2177	0.920	ug/l	86
64) Tetrachloroethene	10.62	164	2381	0.978	ug/l	96
65) Chlorobenzene	11.42	112	5780	0.942	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	1934	0.871	ug/l #	64
67) Ethyl Benzene	11.50	91	10539	0.924	ug/l	100
68) m/p-Xylenes	11.62	106	7366	1.737	ug/l	96
69) o-Xylene	11.94	106	3748	0.926	ug/l	96
70) Styrene	11.96	104	5209	0.787	ug/l	98
71) Bromoform	12.12	173	1235	0.745	ug/l #	99
73) Isopropylbenzene	12.24	105	9752	0.983	ug/l	99
74) N-amyl acetate	12.06	43	4276	0.933	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.50	83	2803	0.934	ug/l #	94
76) 1,2,3-Trichloropropane	12.55	75	3170m	1.111	ug/l	
77) Bromobenzene	12.52	156	2368	0.991	ug/l	98
78) n-propylbenzene	12.59	91	11461	0.978	ug/l	97
79) 2-Chlorotoluene	12.67	91	6795	0.970	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	7697	0.914	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	894m	0.805	ug/l	
82) 4-Chlorotoluene	12.77	91	7036	0.987	ug/l	100
83) tert-Butylbenzene	12.99	119	6695	0.959	ug/l	99
84) 1,2,4-Trimethylbenzene	13.03	105	7707	0.925	ug/l	95
85) sec-Butylbenzene	13.17	105	9007	0.960	ug/l	100
86) p-Isopropyltoluene	13.28	119	7997	0.948	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	4176	0.991	ug/l	97
88) 1,4-Dichlorobenzene	13.36	146	4562m	1.077	ug/l	
89) n-Butylbenzene	13.61	91	6809	0.894	ug/l	99
90) Hexachloroethane	13.87	117	883	0.720	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	4077	1.011	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.26	75	608	0.903	ug/l	62

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	2065	0.834	ug/l	96
94) Hexachlorobutadiene	15.01	225	1375	1.133	ug/l	85
95) Naphthalene	15.13	128	6055	0.813	ug/l	97
96) 1,2,3-Trichlorobenzene	15.31	180	2051	0.841	ug/l	92

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

