

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101319\
 Data File : VN058706.D
 Acq On : 11 Oct 2019 16:20
 Operator : JC/SP
 Sample : K5111-09 1PPB L00
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-MDL-WATER-03-QT4-2019

Manual Integrations
 APPROVED

MMDadoda
 10/16/2019 12:48:37 AM

Quant Time: Oct 12 00:39:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 12 00:00:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	418322	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	691990	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	623590	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	268044	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	314887	53.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.54%	
35) Dibromofluoromethane	7.57	113	220030	51.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.96%	
50) Toluene-d8	10.09	98	842706	49.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.60%	
62) 4-Bromofluorobenzene	12.40	95	292728	45.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	5744	1.103	ug/l	98
3) Chloromethane	2.04	50	7662	1.237	ug/l	90
4) Vinyl Chloride	2.17	62	6891	1.117	ug/l	100
5) Bromomethane	2.55	94	4766	1.270	ug/l	98
6) Chloroethane	2.69	64	4415	1.160	ug/l	96
7) Trichlorofluoromethane	3.00	101	8873	1.202	ug/l	95
8) Diethyl Ether	3.39	74	3010	1.103	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	3.74	101	4215	1.001	ug/l #	81
10) Methyl Iodide	3.93	142	6038	1.051	ug/l	98
11) Tert butyl alcohol	4.77	59	5957	6.281	ug/l #	82
12) 1,1-Dichloroethene	3.72	96	4798	1.194	ug/l	87
13) Acrolein	3.58	56	3958	5.189	ug/l	100
14) Allyl chloride	4.30	41	10116m	1.248	ug/l	
15) Acrylonitrile	4.97	53	12615	5.274	ug/l	99
16) Acetone	3.80	43	13850	5.712	ug/l	95
17) Carbon Disulfide	4.03	76	15448	1.203	ug/l	95
18) Methyl Acetate	4.31	43	7733	1.257	ug/l #	79
19) Methyl tert-butyl Ether	5.03	73	16020	1.117	ug/l	98
20) Methylene Chloride	4.54	84	6607	1.304	ug/l	89
21) trans-1,2-Dichloroethene	5.01	96	5123	1.140	ug/l #	91
22) Diisopropyl ether	5.93	45	16701	1.059	ug/l #	94
23) Vinyl Acetate	5.88	43	67599	5.315	ug/l	97
24) 1,1-Dichloroethane	5.82	63	9829	1.095	ug/l #	96
25) 2-Butanone	6.82	43	18407	5.253	ug/l	93
26) 2,2-Dichloropropane	6.81	77	11042	1.347	ug/l	87
27) cis-1,2-Dichloroethene	6.81	96	6127	1.169	ug/l	86
28) Bromochloromethane	7.18	49	3339	1.069	ug/l #	91
29) Tetrahydrofuran	7.20	42	12235	5.403	ug/l #	61
30) Chloroform	7.36	83	10937	1.213	ug/l	98
31) Cyclohexane	7.64	56	17853	2.078	ug/l #	39
32) 1,1,1-Trichloroethane	7.55	97	8704	1.131	ug/l #	53
36) 1,1-Dichloropropene	7.78	75	7474	1.068	ug/l	96
37) Ethyl Acetate	6.91	43	8215	1.161	ug/l #	86
38) Carbon Tetrachloride	7.75	117	7393	1.084	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	8632	1.063	ug/l	93
40) Benzene	8.02	78	22868	1.138	ug/l	93
41) Methacrylonitrile	7.15	41	2890m	0.873	ug/l	
42) 1,2-Dichloroethane	8.11	62	8975	1.163	ug/l	90
43) Isopropyl Acetate	8.15	43	11658	0.967	ug/l #	93
44) Trichloroethene	8.83	130	5754	1.153	ug/l	80
45) 1,2-Dichloropropane	9.11	63	5441	1.011	ug/l #	88
46) Dibromomethane	9.20	93	3952	1.159	ug/l	91
47) Bromodichloromethane	9.39	83	7732	1.113	ug/l	89
48) Methyl methacrylate	9.19	41	5858	1.072	ug/l #	85
49) 1,4-Dioxane	9.18	88	1759	20.809	ug/l #	78
51) 4-Methyl-2-Pentanone	9.98	43	34180	5.049	ug/l	99
52) Toluene	10.15	92	13078	1.064	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	8027	1.008	ug/l #	69
54) cis-1,3-Dichloropropene	9.84	75	8859	1.048	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	6082	1.209	ug/l #	85
56) Ethyl methacrylate	10.43	69	6835	0.930	ug/l	87
57) 1,3-Dichloropropane	10.70	76	8841	1.031	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.69	63	14430	4.075	ug/l	99
59) 2-Hexanone	10.75	43	24792	4.739	ug/l	99
60) Dibromochloromethane	10.90	129	5132	0.989	ug/l	97
61) 1,2-Dibromoethane	11.00	107	5410	1.074	ug/l	96
64) Tetrachloroethene	10.63	164	5203	1.192	ug/l	92
65) Chlorobenzene	11.43	112	14090	1.113	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.51	131	4895	1.045	ug/l #	66
67) Ethyl Benzene	11.51	91	23513	1.042	ug/l	99
68) m/p-Xylenes	11.62	106	16931	1.999	ug/l	94
69) o-Xylene	11.95	106	8003	0.976	ug/l	95
70) Styrene	11.97	104	11935	0.888	ug/l	96
71) Bromoform	12.13	173	3477	1.013	ug/l #	69
73) Isopropylbenzene	12.25	105	21501	1.108	ug/l	99
74) N-amyl acetate	12.07	43	8088	0.928	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	7984	1.248	ug/l	96
76) 1,2,3-Trichloropropane	12.56	75	8228m	1.399	ug/l	
77) Bromobenzene	12.53	156	5915	1.253	ug/l	92
78) n-propylbenzene	12.60	91	24211	1.070	ug/l	99
79) 2-Chlorotoluene	12.68	91	14917	1.062	ug/l	94
80) 1,3,5-Trimethylbenzene	12.74	105	18436	1.112	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.31	75	2709m	1.234	ug/l	
82) 4-Chlorotoluene	12.78	91	15961	1.108	ug/l	98
83) tert-Butylbenzene	13.00	119	16699	1.176	ug/l	96
84) 1,2,4-Trimethylbenzene	13.05	105	16556	1.006	ug/l	97
85) sec-Butylbenzene	13.18	105	19498	1.042	ug/l	96
86) p-Isopropyltoluene	13.30	119	17829	1.049	ug/l	98
87) 1,3-Dichlorobenzene	13.29	146	9444	1.085	ug/l	98
88) 1,4-Dichlorobenzene	13.37	146	10046m	1.135	ug/l	
89) n-Butylbenzene	13.62	91	16068	1.022	ug/l	95
90) Hexachloroethane	13.88	117	3170	1.042	ug/l	90
91) 1,2-Dichlorobenzene	13.66	146	9828	1.158	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	1986	1.329	ug/l	76

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	5303	1.024	ug/l	98
94) Hexachlorobutadiene	15.02	225	3173	1.164	ug/l	95
95) Naphthalene	15.13	128	15279	1.027	ug/l	98
96) 1,2,3-Trichlorobenzene	15.30	180	5406	1.070	ug/l	93

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

