

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111418\
 Data File : VN052319.D
 Acq On : 14 Nov 2018 18:02
 Operator : MD\SY
 Sample : J5164-08 2ppb
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT4-2018

Manual Integrations
 APPROVED

MMDadoda
 11/20/2018 2:53:39 PM

Quant Time: Nov 15 04:09:56 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N111418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 15 03:02:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	251127	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	436356	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	376633	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	138510	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	185705	52.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.72%	
35) Dibromofluoromethane	7.59	113	139983	49.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.48%	
50) Toluene-d8	10.09	98	535036	48.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.66%	
62) 4-Bromofluorobenzene	12.40	95	161773	44.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.84%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.85	85	4988	1.874	ug/l	95
3) Chloromethane	2.06	50	7461	2.018	ug/l	92
4) Vinyl Chloride	2.19	62	6194	1.938	ug/l	89
5) Bromomethane	2.57	94	4303	2.159	ug/l	95
6) Chloroethane	2.71	64	4225	2.338	ug/l	90
7) Trichlorofluoromethane	3.02	101	9060	2.048	ug/l	98
8) Diethyl Ether	3.42	74	3601	2.136	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	3.77	101	5458	1.954	ug/l #	77
12) 1,1-Dichloroethene	3.74	96	5380	2.081	ug/l	92
14) Allyl chloride	4.33	41	8782	1.654	ug/l #	81
15) Acrylonitrile	4.99	53	11534	10.784	ug/l	98
16) Acetone	3.82	43	10445	10.696	ug/l	95
17) Carbon Disulfide	4.06	76	14752	1.990	ug/l	96
18) Methyl Acetate	4.33	43	6592	2.820	ug/l #	73
19) Methyl tert-butyl Ether	5.05	73	15348m	2.066	ug/l	
20) Methylene Chloride	4.55	84	7487	1.846	ug/l	90
21) trans-1,2-Dichloroethene	5.05	96	5947	2.137	ug/l	87
22) Diisopropyl ether	5.95	45	21887	2.021	ug/l #	86
23) Vinyl Acetate	5.90	43	70771	9.633	ug/l #	94
24) 1,1-Dichloroethane	5.86	63	12325	2.122	ug/l	98
25) 2-Butanone	6.84	43	13974	10.166	ug/l	94
26) 2,2-Dichloropropane	6.83	77	8304	1.945	ug/l	84
27) cis-1,2-Dichloroethene	6.84	96	6682m	2.062	ug/l	
28) Bromochloromethane	7.20	49	6146	2.058	ug/l #	99
29) Tetrahydrofuran	7.22	42	8919	9.877	ug/l	95
30) Chloroform	7.37	83	18933	3.421	ug/l	89
31) Cyclohexane	7.66	56	17003	2.138	ug/l #	72
32) 1,1,1-Trichloroethane	7.57	97	9357	1.985	ug/l	98
36) 1,1-Dichloropropene	7.79	75	9017	2.062	ug/l	98
37) Ethyl Acetate	6.94	43	6256	1.971	ug/l #	96
38) Carbon Tetrachloride	7.78	117	8010	1.993	ug/l	91
39) Methylcyclohexane	9.08	83	9260	1.855	ug/l	96
40) Benzene	8.04	78	25928	2.075	ug/l	98
41) Methacrylonitrile	7.17	41	2058	4.777	ug/l #	100

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

42) 1,2-Dichloroethane	8.12	62	9053	2.032	ug/l	99
43) Isopropyl Acetate	8.17	43	12719	2.077	ug/l #	95
44) Trichloroethene	8.83	130	6167	2.004	ug/l	89
45) 1,2-Dichloropropane	9.12	63	7260	2.047	ug/l	99
46) Dibromomethane	9.21	93	4340	2.114	ug/l	98
47) Bromodichloromethane	9.40	83	8538	2.027	ug/l	87
48) Methyl methacrylate	9.20	41	6539	2.104	ug/l	89
49) 1,4-Dioxane	9.20	88	1238	51.891	ug/l #	37
51) 4-Methyl-2-Pentanone	9.99	43	29865	9.687	ug/l	99
52) Toluene	10.16	92	15362	2.055	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	7526	1.772	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	8983	1.855	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	5638	2.081	ug/l	96
56) Ethyl methacrylate	10.43	69	6515	1.828	ug/l	87
57) 1,3-Dichloropropane	10.71	76	9611	2.003	ug/l	93
58) 2-Chloroethyl Vinyl ether	9.69	63	18460	9.099	ug/l	99
59) 2-Hexanone	10.75	43	19148	9.029	ug/l	98
60) Dibromochloromethane	10.90	129	4948	1.688	ug/l	89
61) 1,2-Dibromoethane	11.01	107	5263	1.950	ug/l	99
64) Tetrachloroethene	10.63	164	5481	2.047	ug/l	99
65) Chlorobenzene	11.43	112	16748	2.104	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.51	131	5319	1.959	ug/l	95
67) Ethyl Benzene	11.51	91	27646	2.001	ug/l	93
68) m/p-Xylenes	11.62	106	19358	3.834	ug/l	99
69) o-Xylene	11.95	106	9315	1.925	ug/l	99
70) Styrene	11.96	104	13796	1.780	ug/l	97
71) Bromoform	12.12	173	2737	1.708	ug/l #	99
73) Isopropylbenzene	12.25	105	24280	2.180	ug/l	99
74) N-amyl acetate	12.07	43	9156	2.308	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.50	83	6690	2.485	ug/l	96
76) 1,2,3-Trichloropropane	12.56	75	5410m	2.302	ug/l	
77) Bromobenzene	12.53	156	5919	2.284	ug/l	99
78) n-propylbenzene	12.59	91	28387	2.180	ug/l	94
79) 2-Chlorotoluene	12.67	91	17438	2.292	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	18855	2.129	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	1217m	1.679	ug/l	
82) 4-Chlorotoluene	12.77	91	16864	2.163	ug/l	98
83) tert-Butylbenzene	12.99	119	18016	2.304	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	17666	1.987	ug/l	97
85) sec-Butylbenzene	13.17	105	22047	2.070	ug/l	97
86) p-Isopropyltoluene	13.29	119	17376	1.926	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	9824	2.135	ug/l	97
88) 1,4-Dichlorobenzene	13.36	146	9631	2.105	ug/l	81
89) n-Butylbenzene	13.62	91	13518	1.745	ug/l	97
90) Hexachloroethane	13.88	117	2845	1.780	ug/l	87
91) 1,2-Dichlorobenzene	13.65	146	9793	2.197	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	1019	2.567	ug/l	76
93) 1,2,4-Trichlorobenzene	14.90	180	2782	3.538	ug/l	98
94) Hexachlorobutadiene	15.01	225	2130	2.087	ug/l	92
95) Naphthalene	15.13	128	6270	3.817	ug/l #	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 1,2,3-Trichlorobenzene	15.31	180	2509	1.481	ug/l	83

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

