

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111418\
 Data File : VN052314.D
 Acq On : 14 Nov 2018 15:49
 Operator : MD\SY
 Sample : J5164-09 0.2ppb
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT4-2018

Manual Integrations
 APPROVED

MMDadoda
 11/20/2018 2:53:55 PM

Quant Time: Nov 15 04:45:10 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	246948	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	436990	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	370155	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	127825	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	185928	53.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.62%	
35) Dibromofluoromethane	7.59	113	142115	50.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.84%	
50) Toluene-d8	10.09	98	543074	48.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.96%	
62) 4-Bromofluorobenzene	12.40	95	154755	42.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.86%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.85	85	771	0.295	ug/l	89
3) Chloromethane	2.06	50	1304	0.359	ug/l	98
4) Vinyl Chloride	2.19	62	942	0.300	ug/l #	73
5) Bromomethane	2.57	94	631	0.322	ug/l #	64
7) Trichlorofluoromethane	3.03	101	1186	0.273	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.77	101	779	0.284	ug/l	89
14) Allyl chloride	4.33	41	1900m	0.364	ug/l	
16) Acetone	3.82	43	2294	2.389	ug/l	97
17) Carbon Disulfide	4.07	76	3362	0.461	ug/l #	83
18) Methyl Acetate	4.34	43	1520m	0.992	ug/l	
19) Methyl tert-butyl Ether	5.05	73	1842m	0.252	ug/l	
20) Methylene Chloride	4.56	84	1949	Below Cal	#	74
21) trans-1,2-Dichloroethene	5.05	96	989m	0.361	ug/l	
22) Diisopropyl ether	5.96	45	3181	0.299	ug/l #	81
23) Vinyl Acetate	5.90	43	6341	0.878	ug/l	98
24) 1,1-Dichloroethane	5.84	63	1448	0.254	ug/l #	85
25) 2-Butanone	6.85	43	1798m	1.330	ug/l	
27) cis-1,2-Dichloroethene	6.83	96	761	0.239	ug/l	93
28) Bromochloromethane	7.19	49	879	0.299	ug/l #	41
29) Tetrahydrofuran	7.21	42	564	0.635	ug/l #	55
30) Chloroform	7.37	83	2866	0.527	ug/l	88
31) Cyclohexane	7.67	56	8586	0.571	ug/l #	23
32) 1,1,1-Trichloroethane	7.57	97	1253	0.270	ug/l #	40
36) 1,1-Dichloropropene	7.80	75	1374	0.314	ug/l	93
38) Carbon Tetrachloride	7.78	117	830	0.206	ug/l #	59
39) Methylcyclohexane	9.09	83	1710	0.342	ug/l #	74
40) Benzene	8.04	78	2980	0.238	ug/l	98
41) Methacrylonitrile	7.18	41	530m	3.973	ug/l	
42) 1,2-Dichloroethane	8.13	62	1268	0.284	ug/l	92
43) Isopropyl Acetate	8.20	43	4725	0.770	ug/l #	69
44) Trichloroethene	8.84	130	892	0.289	ug/l	85
45) 1,2-Dichloropropane	9.12	63	864	0.243	ug/l #	85
46) Dibromomethane	9.21	93	451	0.219	ug/l #	54
47) Bromodichloromethane	9.41	83	1137	0.270	ug/l #	82

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

48) Methyl methacrylate	9.20	41	1138	0.366	ug/l #	34
51) 4-Methyl-2-Pentanone	9.99	43	3075	0.996	ug/l #	80
52) Toluene	10.16	92	1879	0.251	ug/l	94
53) t-1,3-Dichloropropene	10.39	75	1059	0.249	ug/l #	54
54) cis-1,3-Dichloropropene	9.84	75	1160	0.239	ug/l #	80
55) 1,1,2-Trichloroethane	10.56	97	704	0.259	ug/l	91
57) 1,3-Dichloropropane	10.70	76	1262	0.263	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	1996	0.982	ug/l #	83
59) 2-Hexanone	10.75	43	2923	1.376	ug/l	94
61) 1,2-Dibromoethane	11.01	107	656	0.243	ug/l	87
64) Tetrachloroethene	10.63	164	708	0.269	ug/l #	81
65) Chlorobenzene	11.43	112	2211	0.283	ug/l	94
67) Ethyl Benzene	11.51	91	3320	0.244	ug/l	96
68) m/p-Xylenes	11.62	106	2589	0.522	ug/l	99
69) o-Xylene	11.94	106	1106	0.233	ug/l	75
70) Styrene	11.96	104	2059	0.270	ug/l	90
73) Isopropylbenzene	12.25	105	2925	0.285	ug/l	82
74) N-amyl acetate	12.07	43	1513	0.413	ug/l #	66
75) 1,1,2,2-Tetrachloroethane	12.51	83	908m	0.365	ug/l	
76) 1,2,3-Trichloropropane	12.55	75	655m	0.302	ug/l	
77) Bromobenzene	12.53	156	789	0.330	ug/l	87
78) n-propylbenzene	12.59	91	3225	0.268	ug/l	90
79) 2-Chlorotoluene	12.67	91	2225	0.317	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	2186	0.267	ug/l	92
82) 4-Chlorotoluene	12.77	91	2564	0.356	ug/l	88
83) tert-Butylbenzene	12.99	119	2159	0.299	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	2262	0.276	ug/l	99
85) sec-Butylbenzene	13.17	105	2606	0.265	ug/l	98
86) p-Isopropyltoluene	13.29	119	2065	0.248	ug/l	94
87) 1,3-Dichlorobenzene	13.28	146	1298	0.306	ug/l	96
88) 1,4-Dichlorobenzene	13.36	146	1670m	0.396	ug/l	
89) n-Butylbenzene	13.61	91	1832	0.256	ug/l	87
90) Hexachloroethane	13.87	117	384	0.260	ug/l	61
91) 1,2-Dichlorobenzene	13.65	146	1305	0.317	ug/l	92
93) 1,2,4-Trichlorobenzene	14.92	180	610m	2.561	ug/l	
94) Hexachlorobutadiene	15.01	225	355	0.377	ug/l #	50
95) Naphthalene	15.13	128	1362	2.890	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.30	180	499	0.319	ug/l #	68

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

