CALIFORNIA

Water Boards

STATE WATER RESOURCES CONTROL BOARD

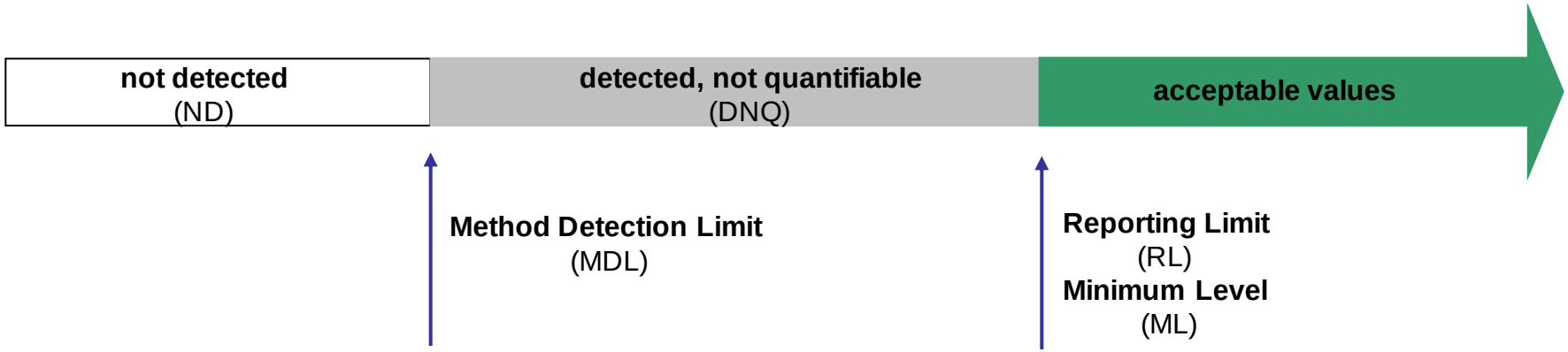
REGIONAL WATER QUALITY CONTROL BOARDS

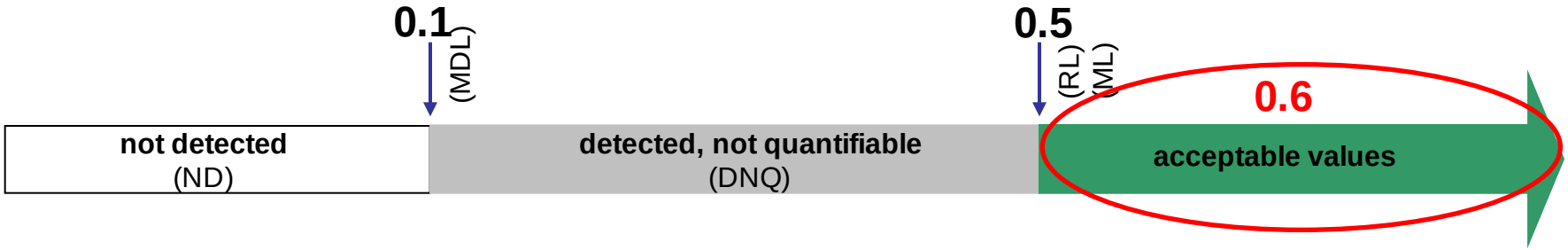
eSMR²

ND / DNQ Guidance

Terminology:

- **Minimum level (ML)** represent the lowest quantifiable concentration in a sample based on the proper application of method-specific analytical procedures and the absence of matrix interferences.
- **Reporting limits (RL)** used by a laboratory may be from the analytical method, derived specifically for that laboratory, instrument or sample matrix; or as directed by a regulatory agency.
- **Method Detection Limit (MDL)** based on the ability of a measurement method to detect an analyte in the absence of a matrix (although sometimes in a sample matrix).



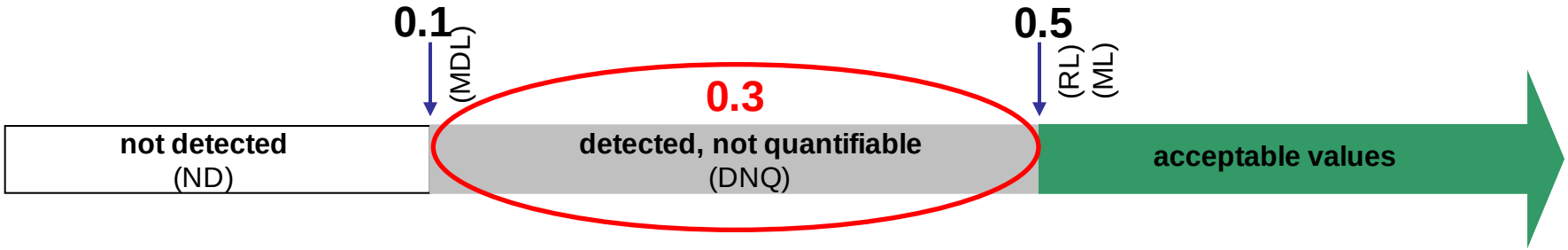


Acceptable values

If your result is greater than or equal to the ML or RL:

a) Use '**=**‘ as the Qualifier
b) Enter the test result
c) Ask your Regional Board contact if the MDL, ML or RL is required

	F	G	H	I	J	K	L	M	N
1	Collection Date	Collection Time	Analysis Date	Qualifier	Result	Units	MDL	ML	RL
125	8/15/2011	2:00	8/15/2011	=	1	mg/L			
126	8/16/2011	3:00	8/16/2011	=	0.6	mg/L			
127	8/17/2011			=	1.6	mg/L			
128	8/18/2011			<	1.4	mg/L			
129	8/19/2011			<=	1.2	mg/L			
130	8/20/2011			>	1.3	mg/L			
131	8/3/2011			>=	1.1	ug/L			
132	8/4/2011	12:30	8/4/2011	ND	1.2	ug/L			
				DNQ					



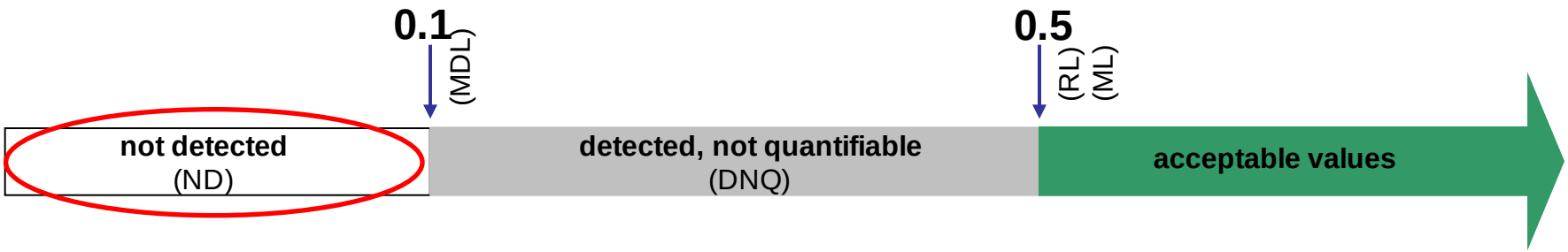
Detected, not quantifiable *(DNQ)*

If your result is less than ML or RL but greater than or equal to the MDL:

a) Use '**DNQ**' as the Qualifier
b) Enter the test result
c) Enter the **MDL** and [**ML or RL**] along with a QA code if available

	F	G	H	I	J	K	L	M	N
1	**Collection Date**	**Collection Time**	**Analysis Date**	**Qualifier**	**Result**	**Units**	MDL	ML	RL
125	8/15/2011	2:00	8/15/2011	=	1	mg/L			
126	8/16/2011	3:00	8/16/2011	DNQ	0.3	mg/L	0.1	0.5	
127	8/17/2011				1.6	mg/L			
128	8/18/2011				1.4	mg/L			
129	8/19/2011				1.2	mg/L			
130	8/20/2011				1.3	mg/L			
131	8/3/2011				1.1	ug/L			
132	8/4/2011	12:30	8/4/2011	=	1.2	ug/L			

= < <= > >= ND DNQ



Not detected *(ND)*

If the analytical result is less than the MDL:

a) Use '**ND**' as the Qualifier
b) Leave the result **blank**
c) Enter the **MDL**

	F	G	H	I	J	K	L	M	N
1	Collection Date	Collection Time	Analysis Date	Qualifier	Result	Units	MDL	ML	RL
125	8/15/2011	2:00	8/15/2011	=	1	mg/L			
126	8/16/2011	3:00	8/16/2011	ND		mg/L	0.1		
127	8/17/2011				1.6	mg/L			
128	8/18/2011				1.4	mg/L			
129	8/19/2011				1.2	mg/L			
130	8/20/2011				1.3	mg/L			
131	8/3/2011				1.1	ug/L			
132	8/4/2011	12:30	8/4/2011	=	1.2	ug/L			

= < <= > >= ND DNQ