

## Massachusetts Department of Environmental Protection - Drinking Water Program Perchlorate Report

CIO<sub>4</sub>

DIAIC Manne.	PWS ID #;		N: Please refer to your DEP Water Quality Sampling Schedule 3213000 City / Town:							NORTH READING				
PWS Name:		North Reading Water Dept.						PWS Class: COM   NTNC   TNC						
DEP LOCATION (LOC) ID#		DEP Location Name						ple Informati	ion	Date Collected		Collected By		
10292		Central St - Andover Combined					☑ (M)ultiple ☑ (S)ingle	e (R)	aw inished	10/17/2019		M.E.C.		
Routine or Special Sample		Original, Resubmitted or Confirmation Report				If Resubmitted Report, list below:								
⊠RS □ S	ss	☑ Original	Resubmitted	Cont	firmation [	Resample [				(2) Collection	on Date	of Original Sam		
AMPLE NOTES -	(Such as,	if a Manifold/N	luttiple sample,	list any s	sources that w	ere on-line du	ing collecti	on).	Correction		Marie District	emminoration, and		
ANALYTICA	LLABO	RATORY	NEORMATI	ON			**************************************							
rimary Lab MA		M-MADB6	Primary		[									
		- INTEREST	_		lan	ha Analytic	al			Subc	ontrac	ted? (Y/N) N		
nalysis Lab MA	Cert. #:	M-MA086	Analysis	Lab Na	me: Alpl	na Analytic	al							
CONTAMINANT	F	Result	NOM	MCL	MDL	MRL	La	b Method	Date A	nalyzed		Lab Sample ID#		
ERCHLORATE	0	.088	μg/L	2.0	0.050	0.050		332.0	10/21/2019		L1948723-02			
ONDUCTIVITY			umhos/cm							-		710723 02		
chlorate concentra	ations betw	een the Minim			ed laboratory.		no i evel (M	DI \ muset ha						
field samples analy	vzed with e	ither FPA Mei	num Detection L	imit (MD	L) and the Mir	nimum Reporti								
rchlorate concentra sitively present but field samples analy ssted with and with B SAMPLE NOTE:	yzed with e out a perci	ither FPA Mei	num Detection L	imit (MD	L) and the Mir	nimum Reporti								
field samples analysted with and with	yzed with e out a perci	either EPA Mei hlorate spike a	num Detection Lind 314.0 or E	Imit (MD PA Metho	L) and the Mir od 314.1 with te native perch	nimum Reportii measured natii nlorate concent	e perchlori ration.	ate concentra	itions betwe	en 0.8 µg/L a	nd 2,0 <sub>‡</sub>	ig/L must be		
field samples analysted with and with B SAMPLE NOTE:	yzed with e out a perci S pike Rec	either EPA Met hilorate spike a covery (requ	num Detection Lind 314.0 or E	imit (MD	L) and the Mir od 314.1 with a le native perch	measured nati illorate concent L and 2.0 με Spike	ve perchloration.	nples subje	itions betwe	en 0.8 µg/L a	nd 2,0 <sub>‡</sub>	ig/L must be		
field samples analysted with and with	yzed with e out a perci S pike Rec	either EPA Met hlorate spike a	num Detection Lined 314.0 or Epproximately e	PA Methiqual to th	L) and the Mir od 314.1 with a le native perch	measured national nation of the second national	//L or san	ate concentre	ect to pret	en 0.8 µg/L a	meth	ig/L must be		
ield samples analysted with and with  SAMPLE NOTE:  canalysis and S  compound  cerchlorate	yzed with e out a perci S pike Rec	either EPA Met hilorate spike a covery (requ	thod 314.0 or E	PA Methiqual to th	L) and the Mir od 314.1 with the native perch	measured national measured national na	//L or san	nples subje	ect to pret	en 0.8 µg/L ai	meth	g/L must be		
ield samples analysisted with and with a SAMPLE NOTE: sanalysis and Scompound erchlorate eanalysis) erchlorate (spike)  // certify united to fill out the accurate and compute the submitting these	pzed with e out a perci	covery (requestites of law d the information best extent of electronical)	that I am the tion contained of my knowledge	Its between the person herein is	L) and the Mir od 314.1 with ine native perch	measured national increase and 2.0 μg Spike concentration (μg/L)	/L or san	nples subjectives (%) Signature	ect to pret	reatment in	meth	od EPA 314.0) ate Analyzed		
ield samples analysted with and with a SAMPLE NOTE:  analysis and S compound erchlorate eanalysis) erchlorate (spike)  // certify united to fill out the accurate and compute the submitting these	pike Rec Rec (µs	covery (requestites of law dities of law dities of law dities of law dities electronical or received to	that I am the	Its between the person herein is	L) and the Mir od 314.1 with ine native perch	measured national increase and 2.0 μg Spike concentration (μg/L)	/L or san	nples subjectives (%) Signature	ect to pret	reatment in	meth	od EPA 314.0) ate Analyzed		



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## Massacriusom Perchlorate Report

PWS ID #:		3213000				City	/ Town:	NORTH	READIN	G	***************************************	<u> </u>	
PWS Name:		North Reading Water Dept.						PWS Class: COM _ NTNC _ TNC					
DEP LOCATION (LOC) ID#		DEP Location Name						Sample Information		Date Collected		Collected By	
10291		West Villa	age WTP			(M)ultipl	e (R)	(R)aw (F)inished		019	M.E.C.		
Routine or Special Sample		Original, Resubmitted or Confirmation Report				If Resubmitted Report, list be						te of Original Sam	
⊠RS □S	S	☑ Original	☐ Resubmitted	I ☐ Conf	firmation	Resample				(2) Conec	non Da	te of Onginal Sam	
SAMPLE NOTES -	(Such as,	if a Manifold/N	fultiple sample,	list any s	sources that	were on-line d	uring collecti	on).		1			
I. ANALYTICA	LARO	PATORVI	NEODMATI	ON.			D-12-11-1				****		
Primary Lab MA		f					TO TO		ne sa	Zahara			
many Lau MA	oeri. #:	B80AM-M	Primary	Lad Na	me: [A]	pha Analyti	cal			Sub	contra	cted? (Y/N) N	
Analysis Lab MA	Cert. #:	M-MA086	Analysis	Lab Na	me: Al	pha Analyti	cal						
CONTAMINANT	F	Result	UOM	MCL	MDL	MRL	. L	b Method	Date A	Analyzed		Lab Sample ID#	
PERCHLORATE	0	).110	µg/L	2.0	0.050	0.05	0	332.0	10/2	10/21/2019		L1948723-01	
					-				1		-	313 10723-01	
erchlorate analysis a	ations betw	veen the Minin				-	ting Lovel (4)	Sec.				***	
erchlorate analysis and archlorate concentrate concentrate concentrate but a sample analystested with and with	itions betw tentatively	veen the Minin quantified).	ssachusetts DE	P approv	L) and the i	Minimum Repor	fina anathir						
erchlorate analysis a erchlorate concentra ositively present but Il field samples analy tested with and with	ations betw tentatively zed with e out a perc	veen the Minin quantified).	ssachusetts DE	P approv	L) and the i	Minimum Repor	fina anathir						
erchlorate analysis a erchlorate concentra ositively present but I field samples analy tested with and with	ations betw tentatively zed with e out a perc	veen the Minin quantified).	ssachusetts DE	P approv	L) and the i	Minimum Repor	fina anathir						
erchlorate analysis a erchlorate concentra ositively present but il field samples analy tested with and with	ations betw tentatively yzed with a out a perc	veen the Minim r quantified). either EPA Me hiorate spike a	ssachusetts DE num Detection L thod 314.0 or E approximately ed	P approv .imit (MD PA Methe	od 314.1 wi	Minimum Repor	tive perchlor ntration.	ate concentra	ations betwe	een 0.8 µg/L	and 2,0	µg/L must be	
erchlorate analysis a erchlorate concentra ositively present but I field samples analy tested with and with	ations between tentatively yzed with a percoss	veen the Minim r quantified). either EPA Me hiorate spike a	ssachusetts DE num Detection L thod 314.0 or E approximately ed	P approv imit (MD PA Methiqual to th	od 314.1 wi	Minimum Repor	ug/L or san	ate concentra	ations between	een 0.8 µg/L	and 2,0	µg/L must be	
erchlorate analysis and concentrate concentrate concentrate concentrate in the concentrate of the concentration of	ations between tentatively yzed with a percoss	veen the Minin r quantified). sither EPA Me hlorate spike a	ssachusetts DE num Detection L thod 314.0 or E approximately ed	P approv imit (MD PA Methiqual to th	L) and the I od 314.1 wi le native pe veen 0.8 µ	Minimum Report th measured natchlorate conce	ug/L or san	nples subj	ations between	een 0.8 µg/L	and 2,0	µg/L must be	
erchlorate analysis and compound  Perchlorate concentrate concentrate concentrate concentrate that the concentrate concentrate and concentrate and compound  Perchlorate (reanalysis)	ations between tentatively yzed with a percoss	veen the Minin r quantified). sither EPA Me hlorate spike a	ssachusetts DE num Detection L thod 314.0 or E approximately ed	P approv imit (MD PA Methiqual to th	L) and the I od 314.1 wi le native pe veen 0.8 µ	Minimum Report th measured natchlorate conce	ug/L or san	nples subj	ations between	een 0.8 µg/L	and 2,0	µg/L must be	
erchlorate analysis and concentrate concentrate concentrate encounter strively present but if field samples analytested with and with tested to fill out the paccurate and compound the concentrate is the concentrate and compound the concentrate and concentrate	pike Rec	veen the Minin' quantified).  sither EPA Me hlorate spike a second spike	that I am the tion contained of my knowledge	P approvient (MD) PA Methicular to the qual to the qua	veen 0.8 p.	Minimum Reporting Minimum Reporting In Measured narchlorate concerning In Minimum Reporting I	ug/L or sar	nples subj pike covery %)	e;	treatment  Method	in met	pg/L must be hod EPA 314.0) Date Analyzed	
erchlorate analysis and concentrate strively present but a field samples analytested with and with tested to fill out the concentrate and comports submitting these with tested to fill out the concentrate and comports submitting these with tested to fill out the concentrate and comports submitting these with tested to fill out the concentrate and comports submitting these with tested to fill out the concentrate and comports submitting these with tested to fill out the concentrate and comports the submitting these with tested to fill out the concentrate and comports the submitting these with the submitting these with the submitting the submitted submitted the submitted sub	pike Rec	veen the Minin' quantified).  sither EPA Me hlorate spike a second spike a second spike a second fill a second fil	that I am the tion contained of my knowledge	P approv  imit (MD  PA Methicular to the second sec	veen 0.8 p	Minimum Report th measured narchlorate conce  g/L and 2.0 p  Spike Concentratio (µg/L)	ag/L or sar	nples subjection of the state o	et to pre	treatment	in met	pg/L must be hod EPA 314.0) Date Analyzed	
erchlorate analysis and compound  Perchlorate concentrate concentrate concentrate concentrate and with and with a samples analysis and samples and compound to submitting these analysis and samples and concentrate and compound samples and samples	pike Rec	veen the Minin' quantified).  sither EPA Me hlorate spike a second spike a second spike a second fill a second fil	that I am the tion contained of my knowledge	P approv  imit (MD  PA Methicular to the second sec	veen 0.8 p	Minimum Report th measured narchlorate conce  g/L and 2.0 p  Spike Concentratio (µg/L)  Primary Late out to your DE tys after the e	ag/L or sar	nples subjection of the state o	et to pre	treatment	in met	pg/L must be hod EPA 314.0) Date Analyzed	