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ANALYTICAL DATA REPORT

prepared for:

Grafton Water District
P.O. Box 537
44 Millbury Street
Grafton, MA 01519
Attn: Matt Pearson

Report Number: E606T43
Project: Grafton Water District

Received Date: 06/27/2016
Report Date: 07/05/2016



David Dickinson
Technical Director



CT DPH #PH-0465
ME DHHS #CT0050
VA #460279

EPA #CT00008
NH ELAP #2020
VT DOH #VT11549

KY EEC #90151
NY ELAP #11549

MA DEP #M-CT008
PA DEP #68-04413

MD #349
RI DOH #LAO00346

TN #04903



101-000000508946

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Report No: E606T43
Client: Grafton Water District
Project: Grafton Water District

CASE NARRATIVE / METHOD CONFORMANCE SUMMARY

The results presented in this report relate only to the samples received.

This report is incomplete unless all pages indicated in the pagination at the bottom of the page are included, along with a copy of the chain of custody and any subcontracted analyses reports, if applicable, for the sample(s) in this report. Subcontractor results are identified by 'SUB' next to the analysis.

Microbac Laboratories, Inc. received two samples from Grafton Water District on 06/27/2016. The samples were analyzed for the following list of analyses in accordance with MA DEP regulations unless otherwise indicated:

1,4-dioxane by EPA 522
522[522]

Mass Secondary Standards in DW
200.7[3000], 2120B, 2130B, 2150B, 4500H-B, SM2320B,
SM2540C, SM4500-CL-E, SM4500-SO4-E

Non-Conformances:
Work Order:

None

Sample:

None

Analysis:

None



Secondary Contaminant Report

I. PWS INFORMATION: Please refer to your DEP Water Quality Sampling Schedule (WQSS) to help complete this form

PWS ID #: 2110000 City / Town: Grafton, MA

PWS Name: Grafton Water District PWS Class: COM ☒ NTNC ☐ TNC ☐

DEP LOCATION (LOC) ID#	DEP Location Name	Sample Information	Date Collected	Collected By
A MULT1	WTP	<input checked="" type="checkbox"/> (M)ultiple <input type="checkbox"/> (R)aw <input type="checkbox"/> (S)ingle <input checked="" type="checkbox"/> (F)inished	6/27/2016	Client
B				

	Routine or Special Sample	Original, Resubmitted or Confirmation Report	If Resubmitted Report, list below	
			(1) Reason for Resubmission	(2) Collection Date of Original Sample
A	<input checked="" type="checkbox"/> RS <input type="checkbox"/> SS	<input checked="" type="checkbox"/> Original <input type="checkbox"/> Resubmitted <input type="checkbox"/> Confirmation	<input type="checkbox"/> Resample <input type="checkbox"/> Reanalysis <input type="checkbox"/> Report Correction	
B				

SAMPLE NOTES	
A	
B	

II. ANALYTICAL LABORATORY INFORMATION

Primary Lab MA Cert. #: M-CT008 Primary Lab Name: Microbac Laboratories, Inc. Subcontract? (Y/N) N

Analysis Lab MA Cert. #: M-CT008 Analysis Lab Name: Microbac Laboratories, Inc.

Contaminant	Results		SMCL	MDL (mg/L)	Lab Method	Date Analyzed	Lab Sample ID#
	A	B					
IRON (mg/L)	ND		0.3	0.050	200.7	7/1/2016	E606T43-2
MANGANESE (mg/L)	0.0023		0.05*	0.0020	200.7	7/1/2016	E606T43-2
ALKALINITY (mg/L as CaCO ₃)	34		none	1.0	SM2320B	6/29/2016	E606T43-2
CALCIUM (mg/L)	30		none	0.050	200.7	7/1/2016	E606T43-2
MAGNESIUM (mg/L)	5.6		none	0.050	200.7	7/1/2016	E606T43-2
HARDNESS (mg/L as CaCO ₃)	97		none	0.34	200.7	7/1/2016	E606T43-2
POTASSIUM (mg/L)	16		none	0.20	200.7	7/1/2016	E606T43-2
TURBIDITY (NTU)	ND		none	0.10	2130B	6/27/2016	E606T43-2
ALUMINUM (mg/L)	ND		0.2	0.050	200.7	7/1/2016	E606T43-2
CHLORIDE (mg/L)	240		250	8.0	SM4500-CL-E	6/28/2016	E606T43-2
COLOR (C.U)	0		15		2120B	6/27/2016	E606T43-2
COPPER (mg/L)	0.070		1	0.0020	200.7	7/1/2016	E606T43-2
ODOR (T.O.N)	2		3		2150B	6/27/2016	E606T43-2
pH	7.6		6.5 to 8.5		4500H-B	6/27/2016	E606T43-2
SILVER (mg/L)	ND		0.10	0.0020	200.7	7/1/2016	E606T43-2
SULFATE (mg/L)	12		250	5.0	SM4500-SO4-E	6/28/2016	E606T43-2
TDS (mg/L)	500		500	10	SM2540C	6/30/2016	E606T43-2
ZINC (mg/L)	ND		5	0.010	200.7	7/1/2016	E606T43-2

* EPA has established a lifetime Health Advisory (HA) for manganese at 0.3 mg/L and an acute HA at 1.0 mg/L.

LAB SAMPLE NOTES	
A	
B	

I certify under penalties of law that I am the person authorized to fill out this form and the information contained herein is true, accurate and complete to the best extent of my knowledge

Primary Lab Director Signature:

Date: 7/5/2016

If not submitting results electronically, mail TWO copies of this report to your DEP Regional Office no later than 10 days after the end of the month in which you received this report or no later than 10 days after the end of the reporting period, whichever is sooner.

DEP REVIEW STATUS (Initial & Date) <input type="checkbox"/> Accepted <input type="checkbox"/> Disapproved	Review Comments	<input type="checkbox"/> WQTS Data Entered
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Microbac Laboratories, Inc.

Analytical Data Report

Report No: E606T43
Sample No: 1
Sample Description: #4 Follett St Well [05G][TS][SF]

Customer: Grafton Water District
Project: Grafton Water District

Date Collected: 06/27/2016 08:08
Date Received: 06/27/2016 15:45
Date Extracted: 06/29/2016 08:10 By: JPB
Date Analyzed: 06/29/2016 20:54 By: NSO
Preparation Method: 522
Analytical Method: 522

Matrix: Aqueous
Percent Moisture: N/A
Sample Weight/Volume: 500
Dilution Factor: 1
Extract Volume: 10
Lab Data File: P062925.D
QC Batch#: 142391

CAS No.	Parameter	Result	DL	Units
123-91-1	1,4-Dioxane	0.75	0.060	ug/L

Sample QC

Surrogate	Recovery	QC Limits
1,4-Dioxane-d8	104%	70%-130%

