

8100 N. Austin Avenue Morton Grove, IL 60053-3203 P 847.967.6666 800.246.0663 F 847.967.6735 www.emt.com

Analytical Report

Dan Cooper
Chicago Park District
541 N Fairbanks Ct
Chicago, IL 60641

June 29, 2016

Work Order: 16F1051

RE: CPD Drinking Water
Lake Front Trail - Montrose

Dear Dan Cooper:

Enclosed are the analytical reports for the EMT Work Order listed. Also included with this analytical report is a copy of the chain of custody associated with these samples. If you have any questions, please contact me.

Sincerely,



Tim Witrzek
Project Manager
847.967.6666

Approved by,



Matthew Gregory
Technical Manager

Approved for release: 6/29/2016 10:03:17AM

The contents of this report apply to the sample(s) analyzed. No duplication is allowed except in its entirety.
Reporting limits are adjusted for sample size used, dilutions and moisture content, if applicable.

State of Illinois, NELAP Accredited Lab No. 100256, Cert No. 003674



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Case Narrative

Client: Chicago Park District**Date:** 06/29/2016**Project:** CPD Drinking Water
Lake Front Trail - Montrose**Work Order:** 16F1051

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

Sample Summary

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
LF #1 Montrose	16F1051-01	Drinking Water	06/27/16 11:50	06/27/16 13:12
LF #2 Montrose	16F1051-02	Drinking Water	06/27/16 11:50	06/27/16 13:12
LF #3 Montrose	16F1051-03	Drinking Water	06/27/16 11:51	06/27/16 13:12
LF #4 Montrose	16F1051-04	Drinking Water	06/27/16 11:52	06/27/16 13:12
LF #5 Montrose	16F1051-05	Drinking Water	06/27/16 11:52	06/27/16 13:12

Narrative

Sample results only relate to the to the sample received at the laboratory and analytes of interest tested.

Work Order: 16F1051

The samples were received on 06/27/16 13:12. The samples arrived in good condition and properly preserved. The temperature of the cooler at receipt was

<u>Cooler</u>	<u>Temp C°</u>
Default Cooler	26.0

Refer to Qualifiers and Definitions for quality and analytical clarifications or deviations.

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Client Sample Results

Client: Chicago Park District
Project: CPD Drinking Water
Lake Front Trail - Montrose
Work Order: 16F1051

Report Date: 06/29/2016

Analyses		Result	EMT Reporting Limit	Qual	Units	Reg Limit	MDL	Date/Time Analyzed	Batch	Analyst
Client Sample ID: LF #1 Montrose								Matrix: Drinking Water		
Collection Date: 06/27/2016 11:50								Lab ID: 16F1051-01		
Metals by ICP-MS										
Method: E200.8										
Lead	663	31.2		ppb	15	0.750	06/28/16 15:35	B6F1775	ag	
Wet Chemistry										
Method: E180.1										
Turbidity	4.77	1.00		NTU		0.150	06/27/16 08:22	B6F1767	MAJ	
Client Sample ID: LF #2 Montrose								Matrix: Drinking Water		
Collection Date: 06/27/2016 11:50								Lab ID: 16F1051-02		
Metals by ICP-MS										
Method: E200.8										
Lead	54.3	5.00		ppb	15	0.120	06/28/16 13:55	B6F1781	CS2	
Wet Chemistry										
Method: E180.1										
Turbidity	< 1.00	1.00		NTU		0.150	06/27/16 08:22	B6F1767	MAJ	
Client Sample ID: LF #3 Montrose								Matrix: Drinking Water		
Collection Date: 06/27/2016 11:51								Lab ID: 16F1051-03		
Metals by ICP-MS										
Method: E200.8										
Lead	30.7	5.00		ppb	15	0.120	06/28/16 13:56	B6F1781	CS2	
Wet Chemistry										
Method: E180.1										
Turbidity	< 1.00	1.00		NTU		0.150	06/27/16 08:22	B6F1767	MAJ	
Client Sample ID: LF #4 Montrose								Matrix: Drinking Water		
Collection Date: 06/27/2016 11:52								Lab ID: 16F1051-04		
Metals by ICP-MS										
Method: E200.8										
Lead	5.44	5.00		ppb	15	0.120	06/28/16 13:58	B6F1781	CS2	
Wet Chemistry										
Method: E180.1										
Turbidity	< 1.00	1.00		NTU		0.150	06/27/16 08:22	B6F1767	MAJ	

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Client Sample Results

(Continued)

Client: Chicago Park District
Project: CPD Drinking Water
 Lake Front Trail - Montrose
Work Order: 16F1051

Report Date: 06/29/2016

Analyses	Result	EMT Reporting Limit	Qual	Units	Reg Limit	MDL	Date/Time Analyzed	Batch	Analyst
Client Sample ID: LF #5 Montrose Collection Date: 06/27/2016 11:52 Metals by ICP-MS Method: E200.8							Matrix: Drinking Water Lab ID: 16F1051-05		
Lead	3.03	5.00	J	ppb	15	0.120	06/28/16 14:02	B6F1781	CS2
Wet Chemistry									
Method: E180.1									
Turbidity	< 1.00	1.00		NTU		0.150	06/27/16 08:22	B6F1767	MAJ

Qualifiers and Definitions

Item	Description
J	Estimated Value
%Rec	Percent Recovery

Certified Analyses included in this Report

Analyte	CAS #	Certifications
E200.8 in Drinking Water		
Lead	7439-92-1	ILEPA

List of Certifications

Code	Description	Number	Expires
AKDEC	State of Alaska, Dept. Environmental Conservation	UST-105	07/16/2016
CPSC	US Consumer Product Safety Commission, Accredited by PJLA Lab No. 1050	L14-56	04/30/2016
DoD	Department of Defense, Accredited by PJLA	L14-55	04/30/2018
ILEPA	State of Illinois, NELAP Accredited Lab No. 100256	003674	07/27/2016
ISO	ISO/IEC 17025, Accredited by PJLA	L14-56	04/30/2018
LELAP	State of Louisiana, NELAP Accredited Lab No. 171344	05015	06/30/2016
WDNR	State of Wisconsin Dept of Natural Resources	999888890	08/31/2016



16F1051

PM: Tim Witrzek
Chicago Park District
CPD Drinking Water

istudy Record

TURNAROUND TIME:
☐ RUSH _____ day turnaround
☐ ROUTINE

8100 North Austin Avenue
Morton Grove, Illinois 60053-3203

Due Date: - - - - - COC #: 141214

Company: Chicago Park District
Address: 541 N Fairbanks Ct
Chicago IL 60611
Phone #: (312) 742-4287 Fax #: ()
P.O. #: Proj. #:
Client Contact: Dan Cooper
Project ID / Location: Lake Front Trail - Montrose

Sample Type:

1. Waste Water	4. Sludge	7. Groundwater (filtered)
2. Drinking Water	5. Oil	8. Other
3. Soil	6. Groundwater	

Container Type: P - Plastic V - VOC Vial O - Other
G - Glass B - Tedlar Bag

Preservative:

1. None	4. NaOH	7. Zn Ace
2. H ₂ SO ₄	5. HCl	8. Other
3. HNO ₃	6. MeOH	

Sampling	Preservation	
	pH	Temp.
Time	Field	Lab

LF #1 Montrose	2	250ml	P	1	DC	6/27	11:50			X
LF #2 Montrose	2	250ml	P	1	DC	6/27	11:50			X
LF #3 Montrose	2	250ml	P	1	DC	6/27	11:51			X
LF #4 Montrose	2	250ml	P	1	DC	6/27	11:52			X
LF #5 Montrose	2	250ml	P	1	DC	6/27	11:52			X

Relinquished By:	Date: 6-27-18	Received By:
	Time: 1:12	
Relinquished By:	Date: -	Received By:

Relinquished By:	Date: -	Received For Lab. By:
	Time: :	

Date:		EMT USE ONLY
Time:		Client Code:
Date:		EMT Project I.D.
Time:		

Date:	6-27-16	Jar Lot No.
Time:	13:17	

☐ SAMPLE RECEIVED
ON ICE

☐ TEMPERATURE
(Must be recorded if sample
was greater than 6 hrs. post
sample receipt)

**EMT SAMPLE RETURN
POLICY ON BACK**

Analyses

**EMT
USE
ONLY**

**EMT
WORKORDER**

#

SPECIAL INSTRUCTIONS:

EMTFIELDDOC2014001

Sample Receipt Checklist**Work Order: 16F1051****Printed: 6/27/2016 1:38:05PM****Client: Chicago Park District**
Project: CPD Drinking Water**Date Due: 07/05/16 17:00 (5 day TAT)****Received By: Tim Witrzek****Date Received: 06/27/16 13:12****Logged In By: Tim Witrzek****Date Logged In: 06/27/16 13:34**

Samples Received at:	26°C
How were samples received?	Client
Custody Seals Present	No
Custody Seals Intact	NA
Sample Cont/Cooler Intact	Yes
COC Present/Complete	Yes
COC/Labels Agree	Yes
Proper Cont/Preservation	Yes
Sufficient Sample Volume	Yes
Samples Within Holdtime	Yes
Cooler Temp Within Limits	Yes
VOA Water Vials Received	No
VOA Water Vials/Zero Headspace	NA
PM or Client Contacted	No

COMMENTS
