KSingh | Engineers Scientists Consultants

LETTER OF TRANSMITTAL

DATE: August 21, 2024

TO: Jennifer Meyer
Wisconsin Department of Natural Resources

FROM: Robert Reineke | Senior Engineer

SUBJECT: Groundwater Laboratory Results for Dissolved Lead from Monitoring Well JP-L04/MW
Jackson Park - Historic Fill
3500 West Forest Home Avenue, Milwaukee, Wisconsin
DNR BRRTS Activity # 02-41-587443
DNR FID # 241520400
MMSD Contract NO. W40010E01

COPY TO: Patrick Elliott, PE - MMSD
Peter Shedivy, PE – HNTB
Pratap Singh, PE – Ksingh
Project File 40135

We are:

☐ Attaching ☒ Submitting ☒ As Requested

Copies	Date	Description
1	8/21/2024	Laboratory Test Results – JP-l04/MW sampled 8/9/2024

Transmitted For Your:

☒ Information/Records ☒ Review ☐ Approval
☐ Action ☐ Revision/Resubmittal ☐ Distribution

Remarks:

K. Singh & Associates, Inc. performed a round of groundwater sampling on monitoring well JP-L04/MW on August 9, 2024 at the request of the Wisconsin Department of Natural Resources. Monitoring well JP-L04 was analyzed for dissolved lead by Eurofins, Inc. Eurofins reported a test result of no detect (<0.19 ug/L). This is consistent with the findings of two of the previous three rounds of testing.

Please find the laboratory report attached to this letter of transmittal. We request that this data be included in the evaluation of the Site Investigation Report.

Should you have any questions regarding this submittal or require any additional information, please feel free to contact me at rreineke@ksinghengineering.com or telephone at (262) 821-1171, ext. 111.

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Robert Reineke
K. Singh & Associates, Inc
3636 N. 124th Street
Wauwatosa, Wisconsin 53222

Generated 8/19/2024 11:54:01 AM

JOB DESCRIPTION

MMSD Jackson Park - 40135

JOB NUMBER

500-255037-1

Eurofins Chicago
2417 Bond Street
University Park IL 60484

See page two for job notes and contact information.

my EOL

Eurofins Chicago

Job Notes

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. This report is confidential and is intended for the sole use of Eurofins Environment Testing North Central, LLC and its client. All questions regarding this report should be directed to the Eurofins Environment Testing North Central, LLC Project Manager who has signed this report.

Results relate only to the items tested and the sample(s) as received by the laboratory. The results, detection limits (LOD) and Quantitation Limits (LOQ) have been adjusted for sample dilutions and/or solids content.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Chicago Project Manager.

Compliance Statement

The LOD and LOQ reported are adjusted by the dilution factor when a dilution factor greater than 1 is needed. Additionally, where results are indicated as being reported on a dry weight basis, the LOD and LOQ are adjusted for moisture content as well.

Definitions of Limits
- LOD = Limit of Detection = MDL as defined by 40 CFR part 136 Appendix B
- LOQ = Limit of Quantitation = 3.33 x LOD as defined by Wisconsin
- RL = Report Limit = a concentration supported by a standard in the calibration curves

Authorization

Generated
8/19/2024 11:54:01 AM

Authorized for release by
Sandie Fredrick, Senior Project Manager
Sandra.Fredrick@et.eurofinsus.com
(920)261-1660

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Job Narrative
500-255037-1

Receipt
The sample was received on 8/14/2024 9:55 AM. Unless otherwise noted below, the sample arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 2.0º C.

Metals
Method 6020B: The initial low level calibration verification (ICVL) result for batch 500-782080 was above the upper control limit. The affected analytes are: Lead. Sample results were below the reporting limit, and have been reported as qualified data.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

KSingh Engineers Scientists Consultants

3 Day T.A.T

CHAIN OF CUSTODY RECORD
LUST PROGRAM
FORM 4400-151

500-255037

500-255037 COC

Sample Collector(s)	Title	Telephone # (incl area code)	Report To
Robert Reineke	Senior Engineer	(262) 821-1171	Tim Welch, Robert Reineke, Ajay Singh, Pratap Singh
Property Owner	**Property Address**	**Telephone # (incl area code)**	**KSingh Project #**
Milwaukee Metropolitan Sewerage District	**Jackson Park , 3500 West Forest Home Avenue, Milwaukee, WI**		**40135**

I hereby certify that I received, properly, and disposed of the samples as noted below

Laboratory Name **Eurofins**

Relinquished By (Signature)	Date/Time	Received By (Signature)	Temperature Blank. 21->210
K.M. Balaat	8/13/24 11:46		If samples were received on ice and there was ice remaining, you may report the temperature as "received on ice" If all of the ice was melted, the temperature of the melt may be substituted for the temperature blank.
Relinquished By (Signature)	Date/Time	Received By (Signature)	
	8/13/24 1630	8/14/24 0955	

1 Specify groundwater (GW), soil (S), air (A), sludge (SL), surface water (SW), etc.
2 Sample description must clearly correlate the sample I D to the sampling location

	Date Collected	Time Collected	Samples Type (1)	Samples Device	Location/Description (2)	Dissolved Pb											Sample Condition # / Type of Container MeOH	HCL	H2SO4	Unpres	Other Comment
1	8/9/2024	4 25 PM	GW	Bailer	JP-L04/MW	X														1	Lab Filter

DEPARTMENT USE / OPTIONAL FOR SOIL SAMPLES

Disposition of unused portion of sample
Laboratory should (check):
[ ] Dispose [ ] Return [ ] Retain for ____ (days) [ ] Other

Offered [ ] Y [ ] N Accepted By
Accepted [ ] Y [ ] N
Signature

EUROFINS
4125 N 124TH STREET

BROOKFIELD, WI 53005
UNITED STATES US

CAD: 0780307/CAFE3808

BILL RECIPIENT

Part # 159469-434 MTW EXP 02/25

TO SAMPLE RECEIPT
EUROFINS – CHICAGO
2417 BOND ST.

UNIVERSITY PARK IL 60484
(708) 534-5200
INV:
PO: REF:
DEPT:

FedEx Express

J241022112201uv

500-255037 Waybi

3 of 9

MPS# 0263 4051 7962 5628

Mstr# 4051 7962 5606

0201

WED – 14 AUG 10:30A
PRIORITY OVERNIGHT

79 JOTA

60484
IL-US ORD

Detection Summary

Client: K. Singh & Associates, Inc
Project/Site: MMSD Jackson Park - 40135

Job ID: 500-255037-1

Client Sample ID: JP-L04/MW

Lab Sample ID: 500-255037-1

No Detections.

This Detection Summary does not include radiochemical test results.

Method Summary

Client: K. Singh & Associates, Inc
Project/Site: MMSD Jackson Park - 40135

Job ID: 500-255037-1

Method	Method Description	Protocol	Laboratory
6020B	Metals (ICP/MS)	SW846	EET CHI
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET CHI
FILTRATION	Sample Filtration	None	EET CHI

Protocol References:

None = None

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET CHI = Eurofins Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Sample Summary

Client: K. Singh & Associates, Inc
Project/Site: MMSD Jackson Park - 40135

Job ID: 500-255037-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-255037-1	JP-L04/MW	Ground Water	08/09/24 16:25	08/14/24 09:55

Client Sample Results

Client: K. Singh & Associates, Inc
Project/Site: MMSD Jackson Park - 40135

Job ID: 500-255037-1

Client Sample ID: JP-L04/MW

Date Collected: 08/09/24 16:25
Date Received: 08/14/24 09:55

Lab Sample ID: 500-255037-1

Matrix: Ground Water

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.19	^1+	0.50	0.19	ug/L		08/15/24 16:28	08/16/24 18:33	1

Definitions/Glossary

Client: K. Singh & Associates, Inc
Project/Site: MMSD Jackson Park - 40135

Job ID: 500-255037-1

Qualifiers

Metals

Qualifier	Qualifier Description
^1+	Initial Calibration Verification (ICV) is outside acceptance limits, high biased.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

QC Association Summary

Client: K. Singh & Associates, Inc
Project/Site: MMSD Jackson Park - 40135

Job ID: 500-255037-1

Metals

Filtration Batch: 781650

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-255037-1	JP-L04/MW	Dissolved	Ground Water	FILTRATION	
MB 500-781650/1-B	Method Blank	Dissolved	Water	FILTRATION	

Prep Batch: 781714

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-255037-1	JP-L04/MW	Dissolved	Ground Water	3005A	781650
MB 500-781650/1-B	Method Blank	Dissolved	Water	3005A	781650
LCS 500-781714/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Analysis Batch: 782080

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-255037-1	JP-L04/MW	Dissolved	Ground Water	6020B	781714
MB 500-781650/1-B	Method Blank	Dissolved	Water	6020B	781714
LCS 500-781714/2-A	Lab Control Sample	Total Recoverable	Water	6020B	781714

QC Sample Results

Client: K. Singh & Associates, Inc
Project/Site: MMSD Jackson Park - 40135

Job ID: 500-255037-1

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: LCS 500-781714/2-A
Matrix: Water
Analysis Batch: 782080

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 781714

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Lead			100	106	^1+	ug/L		106	80 - 120		

Lab Sample ID: MB 500-781650/1-B
Matrix: Water
Analysis Batch: 782080

Client Sample ID: Method Blank
Prep Type: Dissolved
Prep Batch: 781714

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.378	J ^1+	0.50	0.19	ug/L		08/15/24 16:28	08/16/24 18:19	1

Lab Chronicle

Client: K. Singh & Associates, Inc
Project/Site: MMSD Jackson Park - 40135

Job ID: 500-255037-1

Client Sample ID: JP-L04/MW

Date Collected: 08/09/24 16:25
Date Received: 08/14/24 09:55

Lab Sample ID: 500-255037-1

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Filtration	FILTRATION			781650	BDE	EET CHI	08/15/24 13:25
Dissolved	Prep	3005A			781714	S1Z	EET CHI	08/15/24 16:28 - 08/15/24 21:29 [1]
Dissolved	Analysis	6020B		1	782080	RN	EET CHI	08/16/24 18:33

[1] This procedure uses a method stipulated length of time for the process. Both start and end times are displayed.

Laboratory References:

EET CHI = Eurofins Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Accreditation/Certification Summary

Client: K. Singh & Associates, Inc
Project/Site: MMSD Jackson Park - 40135

Job ID: 500-255037-1

Laboratory: Eurofins Chicago

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Wisconsin	State	999580010	08-31-24

Login Sample Receipt Checklist

Client: K. Singh & Associates, Inc

Job Number: 500-255037-1

Login Number: 255037
List Number: 1
Creator: Scott, Sherri L

List Source: Eurofins Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.0
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	