

ANALYTICAL REPORT

Eurofins Midland
1211 W. Florida Ave
Midland, TX 79701
Tel: (432)704-5440

Laboratory Job ID: 880-17831-1

Laboratory Sample Delivery Group: 1039 N. Moss Ave
Client Project/Site: Ector County Utility District

For:

Parkhill Smith & Cooper Inc.
4222 85th Street
Lubbock, Texas 79423

Attn: David Clausen



*Authorized for release by:
8/15/2022 8:45:18 PM*

John Builes, Project Manager
(561)558-4549

John.Builes@et.eurofinsus.com

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: Parkhill Smith & Cooper Inc.
Project/Site: Ector County Utility District

Job ID: 880-17831-1
SDG: 1039 N. Moss Ave

Qualifiers

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	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

Case Narrative

Client: Parkhill Smith & Cooper Inc.
Project/Site: Ector County Utility District

Job ID: 880-17831-1
SDG: 1039 N. Moss Ave

Job ID: 880-17831-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-17831-1

Receipt

The samples were received on 8/8/2022 2:50 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.8°C

Metals

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

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Client Sample Results

Client: Parkhill Smith & Cooper Inc.
 Project/Site: Ector County Utility District

Job ID: 880-17831-1
 SDG: 1039 N. Moss Ave

Client Sample ID: 4400 W. 10th St.

Lab Sample ID: 880-17831-1

Date Collected: 07/29/22 08:00

Matrix: Drinking Water

Date Received: 08/08/22 14:50

Method: 200.8 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	0.0254		0.00400	mg/L		08/10/22 09:00	08/11/22 02:52	1
Lead	<0.00200	U	0.00200	mg/L		08/10/22 09:00	08/11/22 02:52	1

Client Sample ID: 8519 W. University Blvd.

Lab Sample ID: 880-17831-2

Date Collected: 08/01/22 07:30

Matrix: Drinking Water

Date Received: 08/08/22 14:50

Method: 200.8 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	0.0469		0.00400	mg/L		08/10/22 09:00	08/11/22 03:18	1
Lead	0.0369		0.00200	mg/L		08/10/22 09:00	08/11/22 03:18	1

Client Sample ID: 5230 W. Blair St.

Lab Sample ID: 880-17831-3

Date Collected: 08/03/22 13:00

Matrix: Drinking Water

Date Received: 08/08/22 14:50

Method: 200.8 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	0.0422		0.00400	mg/L		08/10/22 09:00	08/11/22 03:21	1
Lead	0.0115		0.00200	mg/L		08/10/22 09:00	08/11/22 03:21	1

Client Sample ID: 5438 W. Morris St.

Lab Sample ID: 880-17831-4

Date Collected: 08/04/22 08:19

Matrix: Drinking Water

Date Received: 08/08/22 14:50

Method: 200.8 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	0.0479		0.00400	mg/L		08/10/22 09:00	08/11/22 03:23	1
Lead	0.00899		0.00200	mg/L		08/10/22 09:00	08/11/22 03:23	1

Client Sample ID: 7651 W. Dunn St.

Lab Sample ID: 880-17831-5

Date Collected: 08/08/22 11:05

Matrix: Drinking Water

Date Received: 08/08/22 14:50

Method: 200.8 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	0.0626		0.00400	mg/L		08/10/22 09:00	08/11/22 03:26	1
Lead	0.00405		0.00200	mg/L		08/10/22 09:00	08/11/22 03:26	1

QC Sample Results

Client: Parkhill Smith & Cooper Inc.
Project/Site: Ector County Utility District

Job ID: 880-17831-1
SDG: 1039 N. Moss Ave

Method: 200.8 - Metals (ICP/MS)

Lab Sample ID: MB 860-64287/1-A
Matrix: Drinking Water
Analysis Batch: 64575

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 64287

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	<0.00400	U	0.00400	mg/L		08/10/22 09:00	08/11/22 02:44	1
Lead	<0.00200	U	0.00200	mg/L		08/10/22 09:00	08/11/22 02:44	1

Lab Sample ID: LCS 860-64287/2-A
Matrix: Drinking Water
Analysis Batch: 64575

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 64287

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Copper	0.100	0.09721		mg/L		97	85 - 115
Lead	0.100	0.09649		mg/L		96	85 - 115

Lab Sample ID: LCSD 860-64287/3-A
Matrix: Drinking Water
Analysis Batch: 64575

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 64287

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Copper	0.100	0.09875		mg/L		99	85 - 115	2	20
Lead	0.100	0.09855		mg/L		99	85 - 115	2	20

Lab Sample ID: LLCS 860-64287/4-A
Matrix: Drinking Water
Analysis Batch: 64575

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 64287

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Copper	0.00400	0.003756	J	mg/L		94	50 - 150
Lead	0.00200	0.001773	J	mg/L		89	50 - 150

Lab Sample ID: 880-17831-1 MS
Matrix: Drinking Water
Analysis Batch: 64575

Client Sample ID: 4400 W. 10th St.
Prep Type: Total Recoverable
Prep Batch: 64287

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Copper	0.0254		0.100	0.1242		mg/L		99	70 - 130
Lead	<0.00200	U	0.100	0.1010		mg/L		101	70 - 130

Lab Sample ID: 880-17831-1 MSD
Matrix: Drinking Water
Analysis Batch: 64575

Client Sample ID: 4400 W. 10th St.
Prep Type: Total Recoverable
Prep Batch: 64287

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Copper	0.0254		0.100	0.1220		mg/L		97	70 - 130	2	20
Lead	<0.00200	U	0.100	0.1003		mg/L		100	70 - 130	1	20

QC Association Summary

Client: Parkhill Smith & Cooper Inc.
Project/Site: Ector County Utility District

Job ID: 880-17831-1
SDG: 1039 N. Moss Ave

Metals

Prep Batch: 64287

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-17831-1	4400 W. 10th St.	Total Recoverable	Drinking Water	200.8	
880-17831-2	8519 W. University Blvd.	Total Recoverable	Drinking Water	200.8	
880-17831-3	5230 W. Blair St.	Total Recoverable	Drinking Water	200.8	
880-17831-4	5438 W. Morris St.	Total Recoverable	Drinking Water	200.8	
880-17831-5	7651 W. Dunn St.	Total Recoverable	Drinking Water	200.8	
MB 860-64287/1-A	Method Blank	Total Recoverable	Drinking Water	200.8	
LCS 860-64287/2-A	Lab Control Sample	Total Recoverable	Drinking Water	200.8	
LCSD 860-64287/3-A	Lab Control Sample Dup	Total Recoverable	Drinking Water	200.8	
LLCS 860-64287/4-A	Lab Control Sample	Total Recoverable	Drinking Water	200.8	
880-17831-1 MS	4400 W. 10th St.	Total Recoverable	Drinking Water	200.8	
880-17831-1 MSD	4400 W. 10th St.	Total Recoverable	Drinking Water	200.8	

Analysis Batch: 64575

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-17831-1	4400 W. 10th St.	Total Recoverable	Drinking Water	200.8	64287
880-17831-2	8519 W. University Blvd.	Total Recoverable	Drinking Water	200.8	64287
880-17831-3	5230 W. Blair St.	Total Recoverable	Drinking Water	200.8	64287
880-17831-4	5438 W. Morris St.	Total Recoverable	Drinking Water	200.8	64287
880-17831-5	7651 W. Dunn St.	Total Recoverable	Drinking Water	200.8	64287
MB 860-64287/1-A	Method Blank	Total Recoverable	Drinking Water	200.8	64287
LCS 860-64287/2-A	Lab Control Sample	Total Recoverable	Drinking Water	200.8	64287
LCSD 860-64287/3-A	Lab Control Sample Dup	Total Recoverable	Drinking Water	200.8	64287
LLCS 860-64287/4-A	Lab Control Sample	Total Recoverable	Drinking Water	200.8	64287
880-17831-1 MS	4400 W. 10th St.	Total Recoverable	Drinking Water	200.8	64287
880-17831-1 MSD	4400 W. 10th St.	Total Recoverable	Drinking Water	200.8	64287

Lab Chronicle

Client: Parkhill Smith & Cooper Inc.
Project/Site: Ector County Utility District

Job ID: 880-17831-1
SDG: 1039 N. Moss Ave

Client Sample ID: 4400 W. 10th St.

Lab Sample ID: 880-17831-1

Date Collected: 07/29/22 08:00

Matrix: Drinking Water

Date Received: 08/08/22 14:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	200.8			50 mL	50 mL	64287	08/10/22 09:00	MD	EET HOU
Total Recoverable	Analysis	200.8		1			64575	08/11/22 02:52	SHZ	EET HOU

Client Sample ID: 8519 W. University Blvd.

Lab Sample ID: 880-17831-2

Date Collected: 08/01/22 07:30

Matrix: Drinking Water

Date Received: 08/08/22 14:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	200.8			50 mL	50 mL	64287	08/10/22 09:00	MD	EET HOU
Total Recoverable	Analysis	200.8		1			64575	08/11/22 03:18	SHZ	EET HOU

Client Sample ID: 5230 W. Blair St.

Lab Sample ID: 880-17831-3

Date Collected: 08/03/22 13:00

Matrix: Drinking Water

Date Received: 08/08/22 14:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	200.8			50 mL	50 mL	64287	08/10/22 09:00	MD	EET HOU
Total Recoverable	Analysis	200.8		1			64575	08/11/22 03:21	SHZ	EET HOU

Client Sample ID: 5438 W. Morris St.

Lab Sample ID: 880-17831-4

Date Collected: 08/04/22 08:19

Matrix: Drinking Water

Date Received: 08/08/22 14:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	200.8			50 mL	50 mL	64287	08/10/22 09:00	MD	EET HOU
Total Recoverable	Analysis	200.8		1			64575	08/11/22 03:23	SHZ	EET HOU

Client Sample ID: 7651 W. Dunn St.

Lab Sample ID: 880-17831-5

Date Collected: 08/08/22 11:05

Matrix: Drinking Water

Date Received: 08/08/22 14:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	200.8			50 mL	50 mL	64287	08/10/22 09:00	MD	EET HOU
Total Recoverable	Analysis	200.8		1			64575	08/11/22 03:26	SHZ	EET HOU

Laboratory References:

EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

Accreditation/Certification Summary

Client: Parkhill Smith & Cooper Inc.
Project/Site: Ector County Utility District

Job ID: 880-17831-1
SDG: 1039 N. Moss Ave

Laboratory: Eurofins Houston

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704215-22-47	06-30-23

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Method Summary

Client: Parkhill Smith & Cooper Inc.
Project/Site: Ector County Utility District

Job ID: 880-17831-1
SDG: 1039 N. Moss Ave

Method	Method Description	Protocol	Laboratory
200.8	Metals (ICP/MS)	EPA	EET HOU
200.8	Preparation, Total Recoverable Metals	EPA	EET HOU

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200



Sample Summary

Client: Parkhill Smith & Cooper Inc.
Project/Site: Ector County Utility District

Job ID: 880-17831-1
SDG: 1039 N. Moss Ave

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-17831-1	4400 W. 10th St.	Drinking Water	07/29/22 08:00	08/08/22 14:50
880-17831-2	8519 W. University Blvd.	Drinking Water	08/01/22 07:30	08/08/22 14:50
880-17831-3	5230 W. Blair St.	Drinking Water	08/03/22 13:00	08/08/22 14:50
880-17831-4	5438 W. Morris St.	Drinking Water	08/04/22 08:19	08/08/22 14:50
880-17831-5	7651 W. Dunn St.	Drinking Water	08/08/22 11:05	08/08/22 14:50

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TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
LEAD AND COPPER RULE—MONITORING FORM 20683

PWS Name: **ECTOR COUNTY UTILITY DISTRICT**

PWS ID #: **TX 0680235**

PWS Address: **1039 N. MOSS AVE.**

PWS Contact Name: **DAVE CLAUSEN**

PWS Contact Phone: **432-556-2056**

PWS Tap Sample Checklist (✓)
 Samples filled to 1 Liter line
 Samples taken from an inside sink
 Samples collected from cold water tap(s)
 Sinks were rinsed for 6 hours prior to collection
 Sample containers w/ labels and homeowner instructions
 Samples delivered to lab within 14 days of collection

Sample Type (✓): Compliance Non-Compliance

I acknowledge that the information on this form is true and correct and sites selected for sampling follow the approved TCEQ Form 20667 and the PWS Monitoring Plan. Falsification of this form or tampering with water samples is a crime punishable under state and/or federal law. (Texas Penal Code, Title 8, Chapter 37.10)

Name of Authorized PWS Representative (Print): **Jesse A Hernandez**
 Signature: *Jesse A Hernandez*
 Date: **8-8-2022**

Facility ID (e.g. D501, PBCU003)	Sample Point ID (e.g. LCR001, E103)	Sample Location (Address of sample point - 123 Main St, Kitchen sink)	Sample Faucet Last Used		Sample Collected		Replacement	Original Sample ID #	Original Collection Date (MMDDYY)	Lab Sample ID #	Lab Preservation		Sample Rejection Code (if applicable)
			Date (MMDDYY)	Time - 24 HR (HHMM)	Date (MMDDYY)	Time - 24 HR (HHMM)					Date (MMDDYY)	Time - 24 HR (HHMM)	
D501	LCR001	4400 W. 104th St.	7-28-22	10:00 PM	7-29-22	8:00 AM	S			880-17831-01	8/28/22	1510	
D501	LCR002	8519 W. UNIVERSITY Blvd.	7-31-22	10:30 AM	8-1-22	07:30 AM				880-17831-02	8/28/22	1510	
D501	LCR003	5230 W. Blain St.	8-03-22	8:20 AM	8-03-22	1:00 PM				880-17831-03	8/28/22	1510	
D501	LCR004	5438 W. MORRIS St.	8-03-22	11:00 PM	8-04-22	8:19 AM				880-17831-04	8/28/22	1510	
D501	LCR005	7651 W. Dunn St.	8-07-22	5:20 PM	8-08-22	11:05 AM				880-17831-05	8/28/22	1510	



880-17831 Chain of Custody

Lab Comments: **EUROFINS XENCO LLC - HOUSTON 4147 GREENBRIAR DR. STAFFORD TX 77477**
TELICAN MARTINEZ
281-240-4200

Sample Condition on Receipt
 Samples delivered unpressured (Y or N)
 Samples collected in 1 L labeled containers (Y or N)
 Samples filled to 3 L fill line (Y or N)
 Actual sample temperature: **5.6**
 Corrected sample temperature: **5.8**
 Thermometer ID #: **IPB.20**

Chain of Custody
 Retained by (Signature): *Jesse A Hernandez*
 Released by (Signature): *Jesse A Hernandez*
 Date/Time: **8-8-22 1:50**
 Date/Time: **8/8/22 1:50 PM (KT)**

Login Sample Receipt Checklist

Client: Parkhill Smith & Cooper Inc.

Job Number: 880-17831-1
SDG Number: 1039 N. Moss Ave

Login Number: 17831
List Number: 1
Creator: Rodriguez, Leticia

List Source: Eurofins Midland

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
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	
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	



Login Sample Receipt Checklist

Client: Parkhill Smith & Cooper Inc.

Job Number: 880-17831-1
SDG Number: 1039 N. Moss Ave

Login Number: 17831
List Number: 2
Creator: Bolch, Taylor

List Source: Eurofins Houston
List Creation: 08/09/22 02:18 PM

Question	Answer	Comment
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	
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?	N/A	
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").	True	

