



Element  
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Fort Wayne, Indiana  
46825, United States

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October 14, 2022

Ken Myers  
East Chicago Sanitary District  
5201 Indianapolis Blvd  
East Chicago, IN 46312

RE: Downstream

Dear Ken Myers:

Lot Id: 127359

Element Materials Technology – Fort Wayne received 7 sample(s) on 10/3/2022 for the analyses presented in the following report.

In accordance with your instructions, a laboratory of Element Materials Technology Fort Wayne LLC either conducted or subcontracted these analyses. Subcontracted analyses will be identified in an accompanying case narrative and any associated report(s) will be attached in full. Unless otherwise noted in the case narrative, all analyses were conducted using approved methodologies. Reported results relate only to the items tested.

Estimated uncertainty is available upon request. This report shall not be reproduced, except in full, without the written approval of the laboratory.

If you have any questions regarding these test results, please feel free to call.

Sincerely,

A handwritten signature in black ink, appearing to read "Megan Krauskopf".

Megan Krauskopf  
Project Manager  
Suite 100, 328 Ley Road,  
Fort Wayne, IN 46825

**Accreditation**

TNI:2016 (Florida)  
ISO 17025:2017 (A2LA)  
Indiana  
Michigan  
South Dakota  
Tennessee

**Cert #**

E871168  
6190.02  
M-02-05  
9030  
--  
04911

## Analytical Report

Bill To: East Chicago Sanitary District 5201 Indianapolis Blvd East Chicago, IN, United States 46312	Project ID: Downstream Project Name: Project Location: LSD: P.O.:	Lot ID: <b>127359</b> Control Number: Date Received: Oct 3, 2022 Date Reported: Oct 14, 2022 Report Number: 227939
Attn: Ken Myers Sampled By: HP Company:	Proj. Acct. code:	

<b>Reference Number</b>	127359-1	<b>Sample Date</b>	2022-10-01 05:55			
<b>Sample Description</b>	Downstream	<b>Sample Matrix</b>	Wastewater			
<b>Analyte</b>	<b>Result</b>	<b>Units</b>	<b>DF</b>	<b>Nominal DL</b>	<b>Analysis Start Date/Time</b>	<b>Analyst Initials</b>
<b>Subcontracted Services</b>						
Subcontractor Report ID	180-145659-1		1		Oct 14, 2022 14:16	MK
Cyanide, Available	<0.002	mg/L	1	0.002	Oct 13, 2022 10:24	MK

<b>Reference Number</b>	127359-2	<b>Sample Date</b>	2022-10-01 05:55			
<b>Sample Description</b>	Downstream	<b>Sample Matrix</b>	Wastewater			
<b>Analyte</b>	<b>Result</b>	<b>Units</b>	<b>DF</b>	<b>Nominal DL</b>	<b>Analysis Start Date/Time</b>	<b>Analyst Initials</b>
<b>Aggregate Organic Constituents</b>						
Oil & Grease, Total	<3	mg/L	1		Oct 06, 2022 17:15	SK
Oil & Grease, Total	Calculated Reporting Limit	mg/L	1		Oct 06, 2022 17:15	SK

<b>Reference Number</b>	127359-3	<b>Sample Date</b>	2022-10-01 05:55			
<b>Sample Description</b>	Downstream	<b>Sample Matrix</b>	Wastewater			
<b>Analyte</b>	<b>Result</b>	<b>Units</b>	<b>DF</b>	<b>Nominal DL</b>	<b>Analysis Start Date/Time</b>	<b>Analyst Initials</b>
<b>Microbiology</b>						
Escherichia coli	Multi Well	1120	MPN/100mL	1	1	Oct 03, 2022 17:37 CS

<b>Reference Number</b>	127359-5	<b>Sample Date</b>	2022-10-01 05:55			
<b>Sample Description</b>	Downstream	<b>Sample Matrix</b>	Wastewater			
<b>Analyte</b>	<b>Result</b>	<b>Units</b>	<b>DF</b>	<b>Nominal DL</b>	<b>Analysis Start Date/Time</b>	<b>Analyst Initials</b>
<b>Aggregate Organic Constituents</b>						
Biochemical Oxygen Demand	BOD	<2	mg/L	1	2	Oct 05, 2022 19:20 AS
<b>Physical and Aggregate Properties</b>						
Total Suspended Solids	Non-Filterable Residue	<4	mg/L	1	2	Oct 05, 2022 14:22 AS
<b>Routine Water</b>						
Chloride		50	mg/L	5	2	Oct 07, 2022 18:50 RB
Sulfate		66	mg/L	5	2	Oct 07, 2022 18:50 RB

<b>Reference Number</b>	127359-6	<b>Sample Date</b>	2022-10-01 05:55			
<b>Sample Description</b>	Downstream	<b>Sample Matrix</b>	Wastewater			
<b>Analyte</b>	<b>Result</b>	<b>Units</b>	<b>DF</b>	<b>Nominal DL</b>	<b>Analysis Start Date/Time</b>	<b>Analyst Initials</b>
<b>Metals - Total in Water by ICP-MS</b>						
Cadmium	Total	<0.0002	mg/L	1	0.0002	Oct 05, 2022 08:35 FR
Chromium	Total	0.0018	mg/L	1	0.0004	Oct 05, 2022 08:35 FR
Copper	Total	0.0027	mg/L	1	0.0002	Oct 05, 2022 08:35 FR
Lead	Total	0.0018	mg/L	1	0.0002	Oct 05, 2022 08:35 FR

**Analytical Report**

Bill To: East Chicago Sanitary District 5201 Indianapolis Blvd East Chicago, IN, United States 46312	Project ID: Downstream Project Name: Project Location: LSD: P.O.:	Lot ID: <b>127359</b> Control Number: Date Received: Oct 3, 2022 Date Reported: Oct 14, 2022 Report Number: 227939
Attn: Ken Myers Sampled By: HP Company:	Proj. Acct. code:	

<b>Reference Number</b> 127359-6	<b>Sample Date</b> 2022-10-01 05:55
<b>Sample Description</b> Downstream	<b>Sample Matrix</b> Wastewater

Analyte	Result	Units	DF	Nominal DL	Analysis Start Date/Time	Analyst Initials
<b>Metals - Total in Water by ICP-MS - Continued</b>						
Nickel	Total	0.004	mg/L	1	0.001	Oct 05, 2022 08:35 FR
Zinc	Total	0.0144	mg/L	1	0.0004	Oct 05, 2022 08:35 FR

<b>Reference Number</b> 127359-7	<b>Sample Date</b> 2022-10-01 05:55
<b>Sample Description</b> Downstream	<b>Sample Matrix</b> Wastewater

Analyte	Result	Units	DF	Nominal DL	Analysis Start Date/Time	Analyst Initials
<b>Inorganic Nonmetallic Parameters</b>						
Nitrogen, Ammonia (As N)	0.2	mg/L	1	0.1	Oct 10, 2022 11:31	RW
Nitrogen, Nitrate + Nitrite (As N)	1.4	mg/L	1	0.1	Oct 06, 2022 14:04	RW
Total Phosphorus	0.1	mg/L	1	0.1	Oct 07, 2022 18:41	AS
Total Kjeldahl Nitrogen	1.2	mg/L	1	0.5	Oct 11, 2022 22:59	AS
Total Nitrogen	2.5	mg/L	1	0.5	Oct 11, 2022 22:59	AS

Approved by:   
Megan Krauskopf  
Project Manager

## Methodology and Notes

Bill To: East Chicago Sanitary District 5201 Indianapolis Blvd East Chicago, IN, United States 46312	Project ID: Downstream	Lot ID: <b>127359</b>
Attn: Ken Myers	Project Name:	Control Number:
Sampled By: HP	Project Location:	Date Received: Oct 3, 2022
Company:	LSD:	Date Reported: Oct 14, 2022
	P.O.:	Report Number: 227939
	Proj. Acct. code:	

## Method of Analysis

Method Name	Reference	Method	Date Analysis Started	Location
Ammonia-N by FIA	EPA	Determination of Ammonia Nitrogen by Semi-Automated Colorimetry, E350.1	Oct 10, 2022	Fort Wayne
Anions by IC in Water	EPA	Determination of Inorganic Anions by Ion Chromatography, E300.0	Oct 7, 2022	Fort Wayne
BOD and CBOD in water	SMEWW	BOD: 5-Day Test, 5210B	Oct 5, 2022	Fort Wayne
Coliforms by Quantitray	SMEWW	Enzyme Substrate Test, 9223B	Oct 3, 2022	Fort Wayne
External Sublet Data Entry	Ext. Lab	External Lab, Ext. Lab	Oct 13, 2022	Fort Wayne
Metals ICP-MS Total in water	EPA	Trace Elements in Waters and Wastes by Inductively Coupled Plasma-Mass Spectrometry, E200.8	Oct 5, 2022	Fort Wayne
Nitrate Nitrite in Water by FIA	EPA	Determination of Nitrate-Nitrite Nitrogen by Automated Colorimetry, E353.2	Oct 6, 2022	Fort Wayne
Oil and Grease	EPA	n-Hexane Extractable Material (HEM; Oil and Grease) and Silica Gel Treated n-Hexane Extractable Material (SGT-HEM; Non-polar Material) by Extraction and Gravimetry, E1664	Oct 6, 2022	Fort Wayne
Phosphorus Total in Water by FIA	SMEWW	Phosphorus: Automated Ascorbic Acid Reduction Method, 4500-P F	Oct 7, 2022	Fort Wayne
Solids - Suspended	SMEWW	Total Suspended Solids, 2540D	Oct 5, 2022	Fort Wayne
Sublet to Test America-Pittsburgh	Ext. Lab	External Lab, Ext. Lab	Oct 14, 2022	Test America-Pittsburgh
TKN in Water by FIA	Calculated	Calculated Result, Calculated	Oct 11, 2022	Fort Wayne
TKN in Water by FIA	EPA	Total Kjeldahl Nitrogen by Semi-Automated Colorimetry, E351.2	Oct 11, 2022	Fort Wayne

## References

Calculated	Calculated Result
EPA	United States Environmental Protection Agency
Ext. Lab	External Laboratory
SMEWW	Standard Methods for the Examination of Water and Wastewater

## Comments:

- Oct 07, 2022 - The ecoli sample was received and analyzed out of hold time.
- Oct 11, 2022 - The initial calibration verification (ICV) recovery was outside of acceptance limits for the BOD analysis. The acceptable recovery range is 84.6% to 115.4%. The ICV for this batch had a recovery of 82.1%. This data is reported based upon the acceptable recoveries in additional QC for the Method Blank, CBOD LCS and sample duplicates.

The initial calibration verification (ICV) recovery was outside of acceptance limits for the CBOD analysis. The acceptable recovery range is 84.6% to 115.4%. The ICV for this batch had a recovery of 74.2%. This data is reported based upon the acceptable recoveries in additional QC for the Method Blank, BOD LCS and sample duplicates.

- Oct 11, 2022 - Sample 127359-5; 118910: The BOD result for sample 127359-5 is from a sample setup beyond holding time since the laboratory did not receive the sample within hold time.
- Oct 14, 2022 - The Available Cyanide testing was subcontracted to Eurofins/Test America Pittsburgh PA. Their report is attached in its entirety.

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**Methodology and Notes**

Bill To:	East Chicago Sanitary District	Project ID:	Downstream	Lot ID:	<b>127359</b>
	5201 Indianapolis Blvd	Project Name:		Control Number:	
	East Chicago, IN, United States	Project Location:		Date Received:	Oct 3, 2022
	46312	LSD:		Date Reported:	Oct 14, 2022
Attn:	Ken Myers	P.O.:		Report Number:	227939
Sampled By:	HP	Proj. Acct. code:			
Company:					

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Please direct any inquiries regarding this report to our Client Services group.

Results relate only to samples as submitted.

The test report shall not be reproduced except in full, without the written approval of the laboratory.

## Report Transmission Cover Page

Bill To: East Chicago Sanitary District 5201 Indianapolis Blvd East Chicago, IN, United States 46312	Project ID: Downstream Project Name: Project Location: LSD: P.O.:	Lot ID: <b>127359</b> Control Number: Date Received: Oct 3, 2022 Date Reported: Oct 14, 2022 Report Number: 227939
Attn: Ken Myers Sampled By: HP Company:	Proj. Acct. code:	

Contact	Company	Address
<b>Ken Myers</b>	<b>East Chicago Sanitary District</b>	5201 Indianapolis Blvd East Chicago, IN 46312 Phone: (219) 391-8466 Fax: Email: kmyers@eastchicago.com

Delivery	Format	Deliverables
Email - Merge Deliverables	PDF	COC / Test Report
Email - Multiple Deliverables By Lot	East Chicago	Test Report

Contact	Company	Address
<b>Megan Krauskopf</b>	<b>East Chicago Sanitary District</b>	Fort Wayne, IN null Phone: (260) 471-7000 Fax: Email: megan.krauskopf@element.com

Delivery	Format	Deliverables
Email - Single Deliverable	East Chicago	Test Report

Contact	Company	Address
<b>San Operator</b>	<b>East Chicago Sanitary District</b>	5201 Indianapolis Blvd. East Chicago, IN 46312 Phone: (219) 391-8466 Fax: Email: sanoperator@eastchicago.com

Delivery	Format	Deliverables
Email - Merge Deliverables	PDF	COC / Test Report
Email - Multiple Deliverables By Lot	East Chicago	Test Report

### Notes To Clients:

- Oct 07, 2022 - The ecoli sample was received and analyzed out of hold time.
- Oct 11, 2022 - The initial calibration verification (ICV) recovery was outside of acceptance limits for the BOD analysis. The acceptable recovery range is 84.6% to 115.4%. The ICV for this batch had a recovery of 82.1%. This data is reported based upon the acceptable recoveries in additional QC for the Method Blank, CBOD LCS and sample duplicates.  
  
The initial calibration verification (ICV) recovery was outside of acceptance limits for the CBOD analysis. The acceptable recovery range is 84.6% to 115.4%. The ICV for this batch had a recovery of 74.2%. This data is reported based upon the acceptable recoveries in additional QC for the Method Blank, BOD LCS and sample duplicates.
- Oct 11, 2022 - Sample 127359-5; 118910: The BOD result for sample 127359-5 is from a sample setup beyond holding time since the laboratory did not receive the sample within hold time.
- Oct 14, 2022 - The Available Cyanide testing was subcontracted to Eurofins/Test America Pittsburgh PA. Their report is attached in its entirety.

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## ANALYTICAL REPORT

Eurofins Pittsburgh  
301 Alpha Drive  
RIDC Park  
Pittsburgh, PA 15238  
Tel: (412)963-7058

Laboratory Job ID: 180-145659-1

Client Project/Site: Available Cyanide 127359

For:

Element Materials Technology  
328 Ley Rd  
Suite100  
Fort Wayne, Indiana 46825

Attn: Don Ellis



Authorized for release by:

10/14/2022 12:47:45 PM

Khadejha Brown, Project Management Assistant I

(412)963-7058

[Khadejha.Brown@et.eurofinsus.com](mailto:Khadejha.Brown@et.eurofinsus.com)

### LINKS

Review your project  
results through



Have a Question?



Visit us at:

[www.eurofinsus.com/Env](http://www.eurofinsus.com/Env)

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.

PA Lab ID: 02-00416

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# Case Narrative

Client: Element Materials Technology  
Project/Site: Available Cyanide 127359

Job ID: 180-145659-1

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**Job ID: 180-145659-1**

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**Laboratory: Eurofins Pittsburgh**

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**Narrative**

**Job Narrative  
180-145659-1**

**Receipt**

The sample was received on 10/5/2022 8:00 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 time was 2.1°C

**General Chemistry**

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

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# Definitions/Glossary

Client: Element Materials Technology  
Project/Site: Available Cyanide 127359

Job ID: 180-145659-1

## 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

# Accreditation/Certification Summary

Client: Element Materials Technology  
Project/Site: Available Cyanide 127359

Job ID: 180-145659-1

## Laboratory: Eurofins Pittsburgh

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Arkansas DEQ	State	19-033-0	06-27-22 *
California	State	2891	04-30-23
Connecticut	State	PH-0688	09-30-22 *
Florida	NELAP	E871008	06-30-23
Georgia	State	PA 02-00416	04-30-23
Illinois	NELAP	004375	06-30-23
Kansas	NELAP	E-10350	03-31-23
Kentucky (UST)	State	162013	04-30-23
Kentucky (WW)	State	KY98043	12-31-22
Louisiana	NELAP	04041	06-30-22 *
Louisiana (All)	NELAP	04041	06-30-23
Maine	State	PA00164	03-06-24
Minnesota	NELAP	042-999-482	12-31-22
New Hampshire	NELAP	2030	04-04-23
New Jersey	NELAP	PA005	06-30-23
New York	NELAP	11182	04-01-23
North Carolina (WW/SW)	State	434	12-31-22
North Dakota	State	R-227	04-30-23
Oregon	NELAP	PA-2151	02-07-23
Pennsylvania	NELAP	02-00416	04-30-23
Rhode Island	State	LAO00362	12-31-22
South Carolina	State	89014	04-20-23
Texas	NELAP	T104704528	03-31-23
USDA	US Federal Programs	P330-16-00211	06-21-24
Utah	NELAP	PA001462019-8	05-31-23
Virginia	NELAP	10043	09-14-23
West Virginia DEP	State	142	01-31-23
Wisconsin	State	998027800	08-31-23

\* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Eurofins Pittsburgh

# Sample Summary

Client: Element Materials Technology  
Project/Site: Available Cyanide 127359

Job ID: 180-145659-1

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Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-145659-1	127359-1	Water	10/01/22 17:55	10/05/22 08:00

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# Method Summary

Client: Element Materials Technology  
Project/Site: Available Cyanide 127359

Job ID: 180-145659-1

Method	Method Description	Protocol	Laboratory
OIA - 1677	Available Cyanide by Flow Injection, Lig	EPA	EET PIT

**Protocol References:**

EPA = US Environmental Protection Agency

**Laboratory References:**

EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058



# Lab Chronicle

Client: Element Materials Technology  
Project/Site: Available Cyanide 127359

Job ID: 180-145659-1

**Client Sample ID: 127359-1**

**Lab Sample ID: 180-145659-1**

**Date Collected: 10/01/22 17:55**

**Matrix: Water**

**Date Received: 10/05/22 08:00**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	OIA - 1677		1			415039	10/13/22 10:24	CMR	EET PIT
Instrument ID: ALPKEM3										

**Laboratory References:**

EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

**Analyst References:**

Lab: EET PIT

Batch Type: Analysis

CMR = Carl Reagle



# Client Sample Results

Client: Element Materials Technology  
Project/Site: Available Cyanide 127359

Job ID: 180-145659-1

**Client Sample ID: 127359-1**

**Lab Sample ID: 180-145659-1**

**Date Collected: 10/01/22 17:55**

**Matrix: Water**

**Date Received: 10/05/22 08:00**

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Available (EPA OIA - 1677)	ND		0.0020	0.0016	mg/L			10/13/22 10:24	1

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# QC Sample Results

Client: Element Materials Technology  
 Project/Site: Available Cyanide 127359

Job ID: 180-145659-1

## Method: OIA - 1677 - Available Cyanide by Flow Injection, Lig

**Lab Sample ID: MB 180-415039/58**  
**Matrix: Water**  
**Analysis Batch: 415039**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Available	ND		0.0020	0.0016	mg/L			10/13/22 10:15	1

**Lab Sample ID: LCS 180-415039/59**  
**Matrix: Water**  
**Analysis Batch: 415039**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Available	0.0501	0.0482		mg/L		96	82 - 132

**Lab Sample ID: 180-145659-1 MS**  
**Matrix: Water**  
**Analysis Batch: 415039**

**Client Sample ID: 127359-1**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Available	ND		0.0501	0.0495		mg/L		99	82 - 130

**Lab Sample ID: 180-145659-1 MSD**  
**Matrix: Water**  
**Analysis Batch: 415039**

**Client Sample ID: 127359-1**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cyanide, Available	ND		0.0501	0.0507		mg/L		101	82 - 130	2	11



# QC Association Summary

Client: Element Materials Technology  
Project/Site: Available Cyanide 127359

Job ID: 180-145659-1

## General Chemistry

### Analysis Batch: 415039

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-145659-1	127359-1	Total/NA	Water	OIA - 1677	
MB 180-415039/58	Method Blank	Total/NA	Water	OIA - 1677	
LCS 180-415039/59	Lab Control Sample	Total/NA	Water	OIA - 1677	
180-145659-1 MS	127359-1	Total/NA	Water	OIA - 1677	
180-145659-1 MSD	127359-1	Total/NA	Water	OIA - 1677	

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# External Sublet Request

Purchase Order Number: PO# PIFW0062508  
Printed Date: Oct 04, 2022  
Shipping Method: Ground  
AZL 10-4-22-0

**To:**  
Attn: Sample Receiving  
Test America-Pittsburgh  
301 Alpha Dr  
Pittsburgh, PA 15238  
Phone: (111) 111-1111  
Fax:  
Email:

**Results To:**  
Fort Wayne  
Suite 100, 328 Ley Road  
Fort Wayne, IN 46825  
Phone: (260) 471-7000  
Fax: (260) 471-7777  
Email: Info.FortWayne@element.com

**Bill To:**  
Attn: Accounts Payable  
Element Materials Technology Canada Inc.  
3701 Port Union Road  
Fairfield OH 45014  
United States  
Phone: (513) 984-4112  
Fax: (513) 984-8258  
Email: accpayable.americas@element.com,  
wregpurch@element.com

Please contact the requisitioner named below with all questions related to this purchase order.

**\*\* THE PURCHASE ORDER NUMBER MUST APPEAR ON ALL INVOICES. INVOICES MUST BE SENT TO BOTH BILL TO EMAIL ADDRESSES. \*\***

Page 1 of 1

Due Date	Requisitioner	Sample Id	Sampled Date	Element Service Code	Vendor Service Code	Service Name	Sample Description
Oct 11, 2022	John Himelick	127359 - 1	Oct 01, 2022 05:55	CYAN 1677	CYAN 1677	Cyanide, Available by Downstream Ligand Exchange	

  

Relinquished By	Date/Time	Received By	Date/Time	Temp of Samples	Attempt to Cool? Y / N
<i>[Signature]</i>	10/04/22 1845	<i>[Signature]</i>	10/5/22 800	_____ °C	
					Comments:



# RUSH!!

The standard terms and conditions of purchase below are included in each purchase order (PO) of Element Materials Technology Canada Inc. and its subsidiaries (Element) as part of its contract with a supplier of goods and/or services (Vendor). Any Vendor terms and conditions of supply do not apply unless Element agrees in writing. Where terms and conditions exist under an existing written contract between Element and a Vendor, these terms and conditions do not apply

**NOTE: Element Materials Technology Canada Inc. is not an exempt entity and subject to GST, HST, QST and applicable provincial sales taxes.**

Terms and Conditions <http://www.element.com/terms/terms-and-conditions>



# Login Sample Receipt Checklist

Client: Element Materials Technology

Job Number: 180-145659-1

**Login Number: 145659**

**List Source: Eurofins Pittsburgh**

**List Number: 1**

**Creator: Abernathy, Eric L**

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
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?	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").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	