King County, Department of Natural Resources and Parks, Water and Land Resources Division

This comment summarizes results of laboratory testing of TPE Pro-Max 37™ artificial turf infill for fluorine and 6PPD-quinone (6PPDQ) that was arranged by King County Department of Natural Resources and Parks, Water and Land Resources Division (WLRD) in early 2024. We are providing this information to the Washington Department of Ecology during the public comment period for the Safer Products for Washington Cycle 2 Draft Priority Products Report in hopes the data will be useful for the Safer Products for Washington effort.

Included with this comment are the following files with results from our 2024 testing of TPE Pro-Max 37™ artificial turf infill:
• Fluorine results - 5 analytical reports from Eurofins Environmental Testing, grouped into one file.
• 6PPDQ results - 1 analytical report from the King County Environmental Laboratory.

Key Findings:
• Based on a lack of fluorine detections and limited 6PPDQ detections, WLRD has concluded testing of TPE Pro-Max 37™ artificial turf infill for these two CECs.

Testing of TPE Pro-Max 37™ artificial turf infill for PFAS content and ability to leach 6PPDQ:
In recent years per- and polyfluoroalkyl substances (PFAS) compounds and the tire chemical 6PPD and its degradant 6PPDQ emerged as CECs in King County and elsewhere due to health risks for people (PFAS) and aquatic life (6PPDQ). In early 2024, WLRD arranged for testing of the TPE Pro-Max 37™ (TPE) artificial turf infill, a product used by King County, to screen for these chemicals. Testing was conducted with the cooperation of Target Technologies International Inc., the manufacturer of this product.

For this study, only new TPE infill was tested. WLRD obtained three samples each from five manufacturing batches of the infill for analysis (i.e., 15 samples for each analyte). For investigation of PFAS, we sent the samples for product testing of total organic fluorine, via extractable organic fluorine (EOF) analysis, to the Eurofins Environmental Testing laboratory in Sacramento, California. The assumption was that if little-to-no fluorine was present in the infill then no further testing would be warranted. However, if there was a significant amount of fluorine found, we would recommend further testing for specific PFAS chemicals. For the 6PPDQ testing, we sent the 15 samples to Analytical Resources LLC for synthetic precipitation leaching procedure extraction, followed by testing of the leachate at the King County Environmental Laboratory (KCEL).

No fluorine was detected in the TPE infill via the EOF testing (see Eurofins analytical reports). However, the EOF detection limits were somewhat higher than preferred at 230 to 250 ppb. As the science evolves, we may learn of a better analytical method for testing the TPE infill and in that case would likely recommend re-testing. However, until that time WLRD has concluded the TPE infill testing for PFAS.

6PPDQ was not detected in the leachate for 12 of the 15 TPE infill samples (see KCEL analytical report). Of the three samples with detected amounts, concentrations were near the method detection

limit (0.002 µg/L) for 6PPDQ and below the 0.008 µg/L draft Ecology Water Quality Standard for protection of aquatic life. The three detected 6PPDQ concentrations, each from a different manufacturing batch of TPE infill, were 0.0031, 0.0022, and 0.0023 µg/L.

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ANALYTICAL REPORT

PREPARED FOR

Attn: Nadia Minato
Target Technologies International Inc.
8535 Eastlake Drive
Burnaby, British Columbia V5A 4T7

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JOB DESCRIPTION

EOF, Infill

JOB NUMBER

320-109802-1

Eurofins Sacramento
880 Riverside Parkway
West Sacramento CA 95605

See page two for job notes and contact information.

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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 Environment Testing Northern California, LLC Project Manager.

Authorization

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Authorized for release by
Jill Kellmann, Client Service Manager
Jill.Kellmann@et.eurofinsus.com
(916)374-4402

Table of Contents

Definitions/Glossary

Client: Target Technologies International Inc.
Project/Site: EOF, Infill

Job ID: 320-109802-1

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

Case Narrative

Client: Target Technologies International Inc. Job ID: 320-109802-1
Project: EOF, Infill

Job ID: 320-109802-1 Eurofins Sacramento

Receipt
The samples were received on 2/19/2024 9:50 AM. 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 was 14.3º C.

Receipt Exceptions
The container label for the following samples did not match the information listed on the Chain-of-Custody (COC): The container labels have no time listed. The samples were logged in per the COC.

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

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

Detection Summary

Client: Target Technologies International Inc.
Project/Site: EOF, Infill

Job ID: 320-109802-1

Client Sample ID: Batch #22659/Sample #1 — Lab Sample ID: 320-109802-1

No Detections.

Client Sample ID: Batch #22659/Sample #2 — Lab Sample ID: 320-109802-2

No Detections.

Client Sample ID: Batch #22659/Sample #3 — Lab Sample ID: 320-109802-3

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: Target Technologies International Inc. Job ID: 320-109802-1
Project/Site: EOF, Infill

Client Sample ID: Batch #22659/Sample #1 — Lab Sample ID: 320-109802-1

Date Collected: 01/26/24 19:00 — **Matrix: Solid**
Date Received: 02/19/24 09:50

Method: Lab SOP CIC EOF - Extractable Organic Fluorine by Combustion Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Extractable Organic Fluorine (EOF)	ND		220		ug/Kg		02/29/24 10:40	03/01/24 04:42	1

Client Sample ID: Batch #22659/Sample #2 — Lab Sample ID: 320-109802-2

Date Collected: 01/26/24 20:00 — **Matrix: Solid**
Date Received: 02/19/24 09:50

Method: Lab SOP CIC EOF - Extractable Organic Fluorine by Combustion Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Extractable Organic Fluorine (EOF)	ND		230		ug/Kg		02/29/24 10:40	03/01/24 05:08	1

Client Sample ID: Batch #22659/Sample #3 — Lab Sample ID: 320-109802-3

Date Collected: 01/26/24 21:00 — **Matrix: Solid**
Date Received: 02/19/24 09:50

Method: Lab SOP CIC EOF - Extractable Organic Fluorine by Combustion Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Extractable Organic Fluorine (EOF)	ND		240		ug/Kg		02/29/24 10:40	03/01/24 05:34	1

QC Sample Results

Client: Target Technologies International Inc.
Project/Site: EOF, Infill

Job ID: 320-109802-1

Method: CIC EOF - Extractable Organic Fluorine by Combustion Ion Chromatography

Lab Sample ID: MB 320-743556/1-B
Matrix: Solid
Analysis Batch: 743938

Client Sample ID: Method Blank
Prep Type: Step 3
Prep Batch: 743556

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Extractable Organic Fluorine (EOF)	ND		250		ug/Kg		02/29/24 10:40	03/01/24 03:23	1

Lab Sample ID: LCS 320-743556/2-B
Matrix: Solid
Analysis Batch: 743938

Client Sample ID: Lab Control Sample
Prep Type: Step 3
Prep Batch: 743556

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Extractable Organic Fluorine (EOF)			5070	5150		ug/Kg		102	50 - 150		

Lab Sample ID: LCSD 320-743556/3-B
Matrix: Solid
Analysis Batch: 743938

Client Sample ID: Lab Control Sample Dup
Prep Type: Step 3
Prep Batch: 743556

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Extractable Organic Fluorine (EOF)			5070	5270		ug/Kg		104	50 - 150	2	20

QC Association Summary

Client: Target Technologies International Inc.
Project/Site: EOF, Infill

Job ID: 320-109802-1

LCMS

Prep Batch: 743556

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-109802-1	Batch #22659/Sample #1	Total/NA	Solid	EOF Prep	
320-109802-2	Batch #22659/Sample #2	Total/NA	Solid	EOF Prep	
320-109802-3	Batch #22659/Sample #3	Total/NA	Solid	EOF Prep	
MB 320-743556/1-B	Method Blank	Step 3	Solid	EOF Prep	
LCS 320-743556/2-B	Lab Control Sample	Step 3	Solid	EOF Prep	
LCSD 320-743556/3-B	Lab Control Sample Dup	Step 3	Solid	EOF Prep	

Cleanup Batch: 743909

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-109802-1	Batch #22659/Sample #1	Total/NA	Solid	Split	743556
320-109802-2	Batch #22659/Sample #2	Total/NA	Solid	Split	743556
320-109802-3	Batch #22659/Sample #3	Total/NA	Solid	Split	743556
MB 320-743556/1-B	Method Blank	Step 3	Solid	Split	743556
LCS 320-743556/2-B	Lab Control Sample	Step 3	Solid	Split	743556
LCSD 320-743556/3-B	Lab Control Sample Dup	Step 3	Solid	Split	743556

Analysis Batch: 743938

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-109802-1	Batch #22659/Sample #1	Total/NA	Solid	CIC EOF	743909
320-109802-2	Batch #22659/Sample #2	Total/NA	Solid	CIC EOF	743909
320-109802-3	Batch #22659/Sample #3	Total/NA	Solid	CIC EOF	743909
MB 320-743556/1-B	Method Blank	Step 3	Solid	CIC EOF	743909
LCS 320-743556/2-B	Lab Control Sample	Step 3	Solid	CIC EOF	743909
LCSD 320-743556/3-B	Lab Control Sample Dup	Step 3	Solid	CIC EOF	743909

Lab Chronicle

Client: Target Technologies International Inc.
Project/Site: EOF, Infill

Job ID: 320-109802-1

Client Sample ID: Batch #22659/Sample #1

Lab Sample ID: 320-109802-1
Matrix: Solid
Date Collected: 01/26/24 19:00
Date Received: 02/19/24 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EOF Prep			1.12 g	5.0 mL	743556	02/29/24 10:40	CFR	EET SAC
Total/NA	Cleanup	Split			2 mL	1 mL	743909	02/29/24 14:00	JCB	EET SAC
Total/NA	Analysis	CIC EOF		1			743938	03/01/24 04:42	JCB	EET SAC

Client Sample ID: Batch #22659/Sample #2

Lab Sample ID: 320-109802-2
Matrix: Solid
Date Collected: 01/26/24 20:00
Date Received: 02/19/24 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EOF Prep			1.07 g	5.0 mL	743556	02/29/24 10:40	CFR	EET SAC
Total/NA	Cleanup	Split			2 mL	1 mL	743909	02/29/24 14:00	JCB	EET SAC
Total/NA	Analysis	CIC EOF		1			743938	03/01/24 05:08	JCB	EET SAC

Client Sample ID: Batch #22659/Sample #3

Lab Sample ID: 320-109802-3
Matrix: Solid
Date Collected: 01/26/24 21:00
Date Received: 02/19/24 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EOF Prep			1.03 g	5.0 mL	743556	02/29/24 10:40	CFR	EET SAC
Total/NA	Cleanup	Split			2 mL	1 mL	743909	02/29/24 14:00	JCB	EET SAC
Total/NA	Analysis	CIC EOF		1			743938	03/01/24 05:34	JCB	EET SAC

Laboratory References:

EET SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Accreditation/Certification Summary

Client: Target Technologies International Inc. Job ID: 320-109802-1
Project/Site: EOF, Infill

Laboratory: Eurofins Sacramento

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

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	17-020	02-20-27
ANAB	Dept. of Defense ELAP	L2468	01-20-27
ANAB	Dept. of Energy	L2468.01	01-20-27
ANAB	ISO/IEC 17025	L2468	01-20-27
Arizona	State	AZ0708	08-11-24
Arkansas DEQ	State	88-0691	05-18-24
California	State	2897	01-31-26
Colorado	State	CA00044	08-31-24
Florida	NELAP	E87570	06-30-24
Georgia	State	4040	01-29-25
Hawaii	State	Eurofins Sacramento	01-29-25
Illinois	NELAP	200060	03-17-24
Kansas	NELAP	E-10375	10-31-24
Louisiana	NELAP	01944	06-30-24
Louisiana (All)	NELAP	01944	06-30-24
Maine	State	CA00004	04-14-24
Michigan	State	9947	01-29-25
Nevada	State	CA00044	07-31-24
New Hampshire	NELAP	2997	04-18-24
New Jersey	NELAP	CA005	06-30-24
New York	NELAP	11666	04-01-24
Ohio	State	41252	01-29-25
Oregon	NELAP	4040	01-29-25
Texas	NELAP	T104704399-23-17	05-31-24
US Fish & Wildlife	US Federal Programs	58448	04-30-24
USDA	US Federal Programs	P330-18-00239	02-28-26
Utah	NELAP	CA000442023-16	02-29-24 *
Virginia	NELAP	460278	03-14-24
Washington	State	C581	05-05-24
West Virginia (DW)	State	9930C	01-31-25
Wisconsin	State	998204680	08-31-24
Wyoming	State Program	8TMS-L	01-28-19 *

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

Method Summary

Client: Target Technologies International Inc.
Project/Site: EOF, Infill

Job ID: 320-109802-1

Method	Method Description	Protocol	Laboratory
CIC EOF	Extractable Organic Fluorine by Combustion Ion Chromatography	Lab SOP	EET SAC
EOF Prep	Preparation, Extractable Organic Fluorine	Lab SOP	EET SAC
Split	CIC - EOF Split	Lab SOP	EET SAC

Protocol References:

Lab SOP = Laboratory Standard Operating Procedure

Laboratory References:

EET SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Sample Summary

Client: Target Technologies International Inc.
Project/Site: EOF, Infill

Job ID: 320-109802-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
320-109802-1	Batch #22659/Sample #1	Solid	01/26/24 19:00	02/19/24 09:50
320-109802-2	Batch #22659/Sample #2	Solid	01/26/24 20:00	02/19/24 09:50
320-109802-3	Batch #22659/Sample #3	Solid	01/26/24 21:00	02/19/24 09:50

Eurofins Sacramento
Address. 880 Riverside Parkway
West Sacramento, CA 95605-1500
Phone 916 373 5600 fax 303 4677248

Chain of Custody Record 721015

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Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other

TAL-8210

Client Contact	Project Manager: J Lanksbury	Site Contact:	Date:	COC No
Company Name Target Technologies Inte Inc	Tel/Email: jlanksbury@kingcounty.gov	Lab Contact:	Carrier:	1 of 1 COCs
Address 8535 Eastlake Drive	Analysis Turnaround Time			Sampler
City/State/Zip Burnaby, BC V5A 4T7	☐ CALENDAR DAYS ☑ WORKING DAYS			For Lab Use Only:
Phone 604 421 3620	TAT if different from Below			Walk-in Client
Fax	☑ 2 weeks			Lab Sampling
Project Name Pro Max 37 TPE EOF Analysis	☐ 1 week			
Site	☐ 2 days			Job / SDG No
P O #	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	CEC EOF	Sample Specific Notes
Batch #22659/Sample #1	2024 01-26	19 00	G	Solid	1			Y	
Batch #22659/Sample #2	2024 01-26	20:00	G	Solid	1			Y	
Batch #22659/Sample #3	2024 01-26	21 00	G	Solid	1			Y	

320-109802 Chain of Custody

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample

☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact. ☐ Yes ☐ No | Custody Seal No. | Cooler Temp (°C) Obs'd 14.3 Corr'd 14.5 Therm ID No 107

Relinquished by	Company	Date/Time	Received by	Company	Date/Time
	Felix compounds	2024-01-26		EETBa	2/19/24 0950
Relinquished by	Company	Date/Time	Received by	Company	Date/Time
Relinquished by	Company	Date/Time	Received in Laboratory by	Company	Date/Time

3/11/2024

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Sacramento Sample Receiving Notes (SSRN)

Loc: 320
109802

Tracking # : 1Z 662 F53 0402 67 3531

Job:_____ _____

SO / PO / FO / SAT / 2-Day / Ground / (UPS) / CDO / Courier
GSL / OnTrac / Goldstreak / USPS / Other_____

Use this form to record Sample Custody Seal, Cooler Custody Seal, Temperature & corrected Temperature & other observations.
File in the job folder with the COC.

Therm. ID: 104 Corr. Factor: (+ / -) N/A °C

Ice_____ Wet ✓ Gel _____ Other _____

Cooler Custody Seal: —

Cooler ID: —

Temp Observed: 14.3 °C Corrected: 14.3 °C

From: Temp Blank ☒ Sample ☐

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☒	☐
Cooler Temperature is acceptable?	☐	☒	☐
Frozen samples show signs of thaw?	☐	☐	☒

Initials: SO Date: 2/1/24

Unpacking/Labeling The Samples	Yes	No	NA
Containers are not broken or leaking?	☒	☐	☐
Samples compromised/tampered with?	☐	☒	☐
COC is complete w/o discrepancies	☒	☐	☐
Sample custody seal?	☐	☒	☐
Sample containers have legible labels?	☒	☐	☐
Sample date/times are provided?	☒	☐	☐
Appropriate containers are used?	☒	☐	☐
Sample bottles are completely filled?	☒	☐	☐
Sample preservatives verified?	☐	☐	☒
Is the Field Sampler's name on COC?	☒	☒	☐ MY 2/19/24
Samples w/o discrepancies?	☐	☒	☐
Zero headspace?*	☐	☐	☒
Alkalinity has no headspace?	☐	☐	☒
Perchlorate has headspace? (Methods 314, 331, 6850)	☐	☐	☒
Multiphasic samples are not present?	☒	☐	☐

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials: MY Date: 2/19/24

Notes:
14.6 °C Sonder
no time on sample containers

Trizma Lot #(s): _____

Ammonium
Acetate Lot #(s): _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☒	☐	☐
NCM Filed?	☒	☐	☐
Samples received within hold time?	☒	☐	☐
Log Release checked in TALS?	☒	☐	☐

Initials: MY Date: 2/19/24

Login Sample Receipt Checklist

Client: Target Technologies International Inc. Job Number: 320-109802-1

Login Number: 109802 **List Source: Eurofins Sacramento**
List Number: 1
Creator: Yabut, Martina V

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

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ANALYTICAL REPORT

PREPARED FOR

Attn: Nadia Minato
Target Technologies International Inc.
8535 Eastlake Drive
Burnaby, British Columbia V5A 4T7

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JOB DESCRIPTION

EOF, Infill

JOB NUMBER

320-109803-1

Eurofins Sacramento
880 Riverside Parkway
West Sacramento CA 95605

See page two for job notes and contact information.

Eurofins Sacramento

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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 Environment Testing Northern California, LLC Project Manager.

Authorization

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Authorized for release by
Jill Kellmann, Client Service Manager
Jill.Kellmann@et.eurofinsus.com
(916)374-4402

Table of Contents

Definitions/Glossary

Client: Target Technologies International Inc.
Project/Site: EOF, Infill

Job ID: 320-109803-1

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

Case Narrative

Client: Target Technologies International Inc. Job ID: 320-109803-1
Project: EOF, Infill

Job ID: 320-109803-1 Eurofins Sacramento

Receipt
The samples were received on 2/19/2024 9:50 AM. 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 was 14.3º C.

Receipt Exceptions
The container label for the following samples did not match the information listed on the Chain-of-Custody (COC): The container labels have no time listed. The samples were logged in per the COC.

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

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

Detection Summary

Client: Target Technologies International Inc.
Project/Site: EOF, Infill

Job ID: 320-109803-1

Client Sample ID: Batch #22669/Sample #1 — Lab Sample ID: 320-109803-1

No Detections.

Client Sample ID: Batch #22669/Sample #2 — Lab Sample ID: 320-109803-2

No Detections.

Client Sample ID: Batch #22669/Sample #3 — Lab Sample ID: 320-109803-3

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: Target Technologies International Inc. Job ID: 320-109803-1
Project/Site: EOF, Infill

Client Sample ID: Batch #22669/Sample #1 — Lab Sample ID: 320-109803-1

Date Collected: 01/26/24 16:00 — **Matrix: Solid**
Date Received: 02/19/24 09:50

Method: Lab SOP CIC EOF - Extractable Organic Fluorine by Combustion Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Extractable Organic Fluorine (EOF)	ND		250		ug/Kg		02/29/24 10:40	03/01/24 06:01	1

Client Sample ID: Batch #22669/Sample #2 — Lab Sample ID: 320-109803-2

Date Collected: 01/26/24 17:00 — **Matrix: Solid**
Date Received: 02/19/24 09:50

Method: Lab SOP CIC EOF - Extractable Organic Fluorine by Combustion Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Extractable Organic Fluorine (EOF)	ND		240		ug/Kg		02/29/24 10:40	03/01/24 06:27	1

Client Sample ID: Batch #22669/Sample #3 — Lab Sample ID: 320-109803-3

Date Collected: 01/26/24 18:00 — **Matrix: Solid**
Date Received: 02/19/24 09:50

Method: Lab SOP CIC EOF - Extractable Organic Fluorine by Combustion Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Extractable Organic Fluorine (EOF)	ND		230		ug/Kg		02/29/24 10:40	03/01/24 06:53	1

Client: Target Technologies International Inc.
Project/Site: EOF, Infill

Job ID: 320-109803-1

Method: CIC EOF - Extractable Organic Fluorine by Combustion Ion Chromatography

Lab Sample ID: MB 320-743556/1-B
Matrix: Solid
Analysis Batch: 743938

Client Sample ID: Method Blank
Prep Type: Step 3
Prep Batch: 743556

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Extractable Organic Fluorine (EOF)	ND		250		ug/Kg		02/29/24 10:40	03/01/24 03:23	1

Lab Sample ID: LCS 320-743556/2-B
Matrix: Solid
Analysis Batch: 743938

Client Sample ID: Lab Control Sample
Prep Type: Step 3
Prep Batch: 743556

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Extractable Organic Fluorine (EOF)			5070	5150		ug/Kg		102	50 - 150		

Lab Sample ID: LCSD 320-743556/3-B
Matrix: Solid
Analysis Batch: 743938

Client Sample ID: Lab Control Sample Dup
Prep Type: Step 3
Prep Batch: 743556

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Extractable Organic Fluorine (EOF)			5070	5270		ug/Kg		104	50 - 150	2	20

QC Association Summary

Client: Target Technologies International Inc.
Project/Site: EOF, Infill

Job ID: 320-109803-1

LCMS

Prep Batch: 743556

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-109803-1	Batch #22669/Sample #1	Total/NA	Solid	EOF Prep	
320-109803-2	Batch #22669/Sample #2	Total/NA	Solid	EOF Prep	
320-109803-3	Batch #22669/Sample #3	Total/NA	Solid	EOF Prep	
MB 320-743556/1-B	Method Blank	Step 3	Solid	EOF Prep	
LCS 320-743556/2-B	Lab Control Sample	Step 3	Solid	EOF Prep	
LCSD 320-743556/3-B	Lab Control Sample Dup	Step 3	Solid	EOF Prep	

Cleanup Batch: 743909

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-109803-1	Batch #22669/Sample #1	Total/NA	Solid	Split	743556
320-109803-2	Batch #22669/Sample #2	Total/NA	Solid	Split	743556
320-109803-3	Batch #22669/Sample #3	Total/NA	Solid	Split	743556
MB 320-743556/1-B	Method Blank	Step 3	Solid	Split	743556
LCS 320-743556/2-B	Lab Control Sample	Step 3	Solid	Split	743556
LCSD 320-743556/3-B	Lab Control Sample Dup	Step 3	Solid	Split	743556

Analysis Batch: 743938

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-109803-1	Batch #22669/Sample #1	Total/NA	Solid	CIC EOF	743909
320-109803-2	Batch #22669/Sample #2	Total/NA	Solid	CIC EOF	743909
320-109803-3	Batch #22669/Sample #3	Total/NA	Solid	CIC EOF	743909
MB 320-743556/1-B	Method Blank	Step 3	Solid	CIC EOF	743909
LCS 320-743556/2-B	Lab Control Sample	Step 3	Solid	CIC EOF	743909
LCSD 320-743556/3-B	Lab Control Sample Dup	Step 3	Solid	CIC EOF	743909

Lab Chronicle

Client: Target Technologies International Inc.
Project/Site: EOF, Infill

Job ID: 320-109803-1

Client Sample ID: Batch #22669/Sample #1

Lab Sample ID: 320-109803-1
Date Collected: 01/26/24 16:00
Matrix: Solid
Date Received: 02/19/24 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EOF Prep			1.01 g	5.0 mL	743556	02/29/24 10:40	CFR	EET SAC
Total/NA	Cleanup	Split			2 mL	1 mL	743909	02/29/24 14:00	JCB	EET SAC
Total/NA	Analysis	CIC EOF		1			743938	03/01/24 06:01	JCB	EET SAC

Client Sample ID: Batch #22669/Sample #2

Lab Sample ID: 320-109803-2
Date Collected: 01/26/24 17:00
Matrix: Solid
Date Received: 02/19/24 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EOF Prep			1.04 g	5.0 mL	743556	02/29/24 10:40	CFR	EET SAC
Total/NA	Cleanup	Split			2 mL	1 mL	743909	02/29/24 14:00	JCB	EET SAC
Total/NA	Analysis	CIC EOF		1			743938	03/01/24 06:27	JCB	EET SAC

Client Sample ID: Batch #22669/Sample #3

Lab Sample ID: 320-109803-3
Date Collected: 01/26/24 18:00
Matrix: Solid
Date Received: 02/19/24 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EOF Prep			1.08 g	5.0 mL	743556	02/29/24 10:40	CFR	EET SAC
Total/NA	Cleanup	Split			2 mL	1 mL	743909	02/29/24 14:00	JCB	EET SAC
Total/NA	Analysis	CIC EOF		1			743938	03/01/24 06:53	JCB	EET SAC

Laboratory References:

EET SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Accreditation/Certification Summary

Client: Target Technologies International Inc. Job ID: 320-109803-1
Project/Site: EOF, Infill

Laboratory: Eurofins Sacramento

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

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	17-020	02-20-27
ANAB	Dept. of Defense ELAP	L2468	01-20-27
ANAB	Dept. of Energy	L2468.01	01-20-27
ANAB	ISO/IEC 17025	L2468	01-20-27
Arizona	State	AZ0708	08-11-24
Arkansas DEQ	State	88-0691	05-18-24
California	State	2897	01-31-26
Colorado	State	CA00044	08-31-24
Florida	NELAP	E87570	06-30-24
Georgia	State	4040	01-29-25
Hawaii	State	Eurofins Sacramento	01-29-25
Illinois	NELAP	200060	03-17-24
Kansas	NELAP	E-10375	10-31-24
Louisiana	NELAP	01944	06-30-24
Louisiana (All)	NELAP	01944	06-30-24
Maine	State	CA00004	04-14-24
Michigan	State	9947	01-29-25
Nevada	State	CA00044	07-31-24
New Hampshire	NELAP	2997	04-18-24
New Jersey	NELAP	CA005	06-30-24
New York	NELAP	11666	04-01-24
Ohio	State	41252	01-29-25
Oregon	NELAP	4040	01-29-25
Texas	NELAP	T104704399-23-17	05-31-24
US Fish & Wildlife	US Federal Programs	58448	04-30-24
USDA	US Federal Programs	P330-18-00239	02-28-26
Utah	NELAP	CA000442023-16	02-29-24 *
Virginia	NELAP	460278	03-14-24
Washington	State	C581	05-05-24
West Virginia (DW)	State	9930C	01-31-25
Wisconsin	State	998204680	08-31-24
Wyoming	State Program	8TMS-L	01-28-19 *

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

Method Summary

Client: Target Technologies International Inc.
Project/Site: EOF, Infill

Job ID: 320-109803-1

Method	Method Description	Protocol	Laboratory
CIC EOF	Extractable Organic Fluorine by Combustion Ion Chromatography	Lab SOP	EET SAC
EOF Prep	Preparation, Extractable Organic Fluorine	Lab SOP	EET SAC
Split	CIC - EOF Split	Lab SOP	EET SAC

Protocol References:

Lab SOP = Laboratory Standard Operating Procedure

Laboratory References:

EET SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Sample Summary

Client: Target Technologies International Inc.
Project/Site: EOF, Infill

Job ID: 320-109803-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
320-109803-1	Batch #22669/Sample #1	Solid	01/26/24 16:00	02/19/24 09:50
320-109803-2	Batch #22669/Sample #2	Solid	01/26/24 17:00	02/19/24 09:50
320-109803-3	Batch #22669/Sample #3	Solid	01/26/24 18:00	02/19/24 09:50

Eurofins Sacramento
Address. 880 Riverside Parkway
West Sacramento, CA 95605 - 1500
Phone 916 373 5600 Fax 303 467 7248

Chain of Custody Record 721017

eurofins | Environment Testing America

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other

TAL-8210

Client Contact	Project Manager: JLanksbury .gov	Site Contact:	Date:	COC No
Company Name Target Technologies Int Inc	Tel/Email: jlanksbury@kingcounty	Lab Contact:	Carrier:	1 of 1 COCs
Address 8535 Eastlake Drive	Analysis Turnaround Time			Sampler
City/State/Zip Burnaby, BC V5A 4T7	☐ CALENDAR DAYS ☑ WORKING DAYS			For Lab Use Only:
Phone 604-421-3620	TAT if different from Below _____			Walk-in Client
Fax	☑ 2 weeks			Lab Sampling
Project Name Pro-Max 37 TPF EOF Analysis	☐ 1 week			
Site	☐ 2 days			Job / SDG No
P O #	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	CEC EOF	Sample Specific Notes
Batch # 22669 / Sample #1	2024 01-26	16:00	G	Solid	1			Y	
Batch # 22669 / Sample #2	2024 01-26	17:00	G	Solid	1			Y	
Batch # 22669 / Sample #3	2024 01-26	18:00	G	Solid	1			Y	

320-109803 Chain of Custody

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample

☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact. ☐ Yes ☐ No | Custody Seal No | Cooler Temp (°C) Obs'd 14.3 Corr'd 14.3 Therm ID No 154

Relinquished by	Company	Date/Time	Received by	Company	Date/Time
	Felix compounds	2024-01-26		EETSac	2/9/24 0950
Relinquished by	Company	Date/Time	Received by	Company	Date/Time
Relinquished by	Company	Date/Time	Received in Laboratory by	Company	Date/Time

3/11/2024

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Sacramento Sample Receiving Notes (SSRN)

Loc: 320
109803

Tracking # : 1Z 662 F53 0402 67 5531

Job:_____ _____

SO / PO / FO / SAT / 2-Day / Ground / (UPS) / CDO / Courier
GSL / OnTrac / Goldstreak / USPS / Other_____

Use this form to record Sample Custody Seal, Cooler Custody Seal, Temperature & corrected Temperature & other observations.
File in the job folder with the COC.

Therm. ID: 104 Corr. Factor: (+ / -) N/A °C

Ice_____ Wet ✓ Gel _____ Other _____

Cooler Custody Seal: —

Cooler ID: —

Temp Observed: 14.3 °C Corrected: 14.3 °C

From: Temp Blank ☒ Sample ☐

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☒	☐
Cooler Temperature is acceptable?	☐	☒	☐
Frozen samples show signs of thaw?	☐	☐	☒

Initials: SO Date: 2/19/24

Unpacking/Labeling The Samples	Yes	No	NA
Containers are not broken or leaking?	☒	☐	☐
Samples compromised/tampered with?	☐	☒	☐
COC is complete w/o discrepancies	☒	☐	☐
Sample custody seal?	☐	☒	☐
Sample containers have legible labels?	☒	☐	☐
Sample date/times are provided?	☒	☐	☐
Appropriate containers are used?	☒	☐	☐
Sample bottles are completely filled?	☒	☐	☐
Sample preservatives verified?	☐	☐	☒
Is the Field Sampler's name on COC?	☐	☒	☐
Samples w/o discrepancies?	☐	☒	☐
Zero headspace?*	☐	☐	☒
Alkalinity has no headspace?	☐	☐	☒
Perchlorate has headspace? (Methods 314, 331, 6850)	☐	☐	☒
Multiphasic samples are not present?	☒	☐	☐

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials: MY Date: 2/19/24

Notes:
14.6 °C Sonder
no time on container labels

Trizma Lot #(s): _____

Ammonium Acetate Lot #(s): _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☒	☐	☐
NCM Filed?	☒	☐	☐
Samples received within hold time?	☒	☐	☐
Log Release checked in TALS?	☒	☐	☐

Initials: MY Date: 2/19/24

Login Sample Receipt Checklist

Client: Target Technologies International Inc.

Job Number: 320-109803-1

Login Number: 109803
List Number: 1
Creator: Yabut, Martina V

List Source: Eurofins Sacramento

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

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ANALYTICAL REPORT

PREPARED FOR

Attn: Nadia Minato
Target Technologies International Inc.
8535 Eastlake Drive
Burnaby, British Columbia V5A 4T7

Generated 4/10/2024 7:57:55 AM

JOB DESCRIPTION

EOF, Infill

JOB NUMBER

320-109804-1

Eurofins Sacramento
880 Riverside Parkway
West Sacramento CA 95605

See page two for job notes and contact information.

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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 Environment Testing Northern California, LLC Project Manager.

Authorization

Generated
4/10/2024 7:57:55 AM

Authorized for release by
Jill Kellmann, Client Service Manager
Jill.Kellmann@et.eurofinsus.com
(916)374-4402

Table of Contents

Definitions/Glossary

Client: Target Technologies International Inc.
Project/Site: EOF, Infill

Job ID: 320-109804-1

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

Case Narrative

Client: Target Technologies International Inc. Job ID: 320-109804-1
Project: EOF, Infill

Job ID: 320-109804-1 Eurofins Sacramento

Receipt
The samples were received on 2/19/2024 9:50 AM. 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 was 14.3º C.

Receipt Exceptions
The container label for the following samples did not match the information listed on the Chain-of-Custody (COC): The container labels did not have a collection time listed. The samples were logged in per the COC. Batch #22755/Sample #1 (320-109804-1), Batch #22755/Sample #2 (320-109804-2) and Batch #22755/Sample #3 (320-109804-3).

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

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

Detection Summary

Client: Target Technologies International Inc.
Project/Site: EOF, Infill

Job ID: 320-109804-1

Client Sample ID: Batch #22755/Sample #1 — Lab Sample ID: 320-109804-1

No Detections.

Client Sample ID: Batch #22755/Sample #2 — Lab Sample ID: 320-109804-2

No Detections.

Client Sample ID: Batch #22755/Sample #3 — Lab Sample ID: 320-109804-3

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: Target Technologies International Inc. Job ID: 320-109804-1
Project/Site: EOF, Infill

Client Sample ID: Batch #22755/Sample #1 — Lab Sample ID: 320-109804-1

Date Collected: 01/26/24 10:00 — **Matrix: Solid**
Date Received: 02/19/24 09:50

Method: Lab SOP CIC EOF - Extractable Organic Fluorine by Combustion Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Extractable Organic Fluorine (EOF)	ND		230		ug/Kg		02/29/24 10:40	03/01/24 07:20	1

Client Sample ID: Batch #22755/Sample #2 — Lab Sample ID: 320-109804-2

Date Collected: 01/26/24 11:00 — **Matrix: Solid**
Date Received: 02/19/24 09:50

Method: Lab SOP CIC EOF - Extractable Organic Fluorine by Combustion Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Extractable Organic Fluorine (EOF)	ND		250		ug/Kg		04/03/24 11:25	04/04/24 18:52	1

Client Sample ID: Batch #22755/Sample #3 — Lab Sample ID: 320-109804-3

Date Collected: 01/26/24 12:00 — **Matrix: Solid**
Date Received: 02/19/24 09:50

Method: Lab SOP CIC EOF - Extractable Organic Fluorine by Combustion Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Extractable Organic Fluorine (EOF)	ND		240		ug/Kg		04/03/24 11:25	04/04/24 19:18	1

Method: CIC EOF - Extractable Organic Fluorine by Combustion Ion Chromatography

Lab Sample ID: MB 320-743556/1-B
Matrix: Solid
Analysis Batch: 743938

Client Sample ID: Method Blank
Prep Type: Step 3
Prep Batch: 743556

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Extractable Organic Fluorine (EOF)	ND		250		ug/Kg		02/29/24 10:40	03/01/24 03:23	1

Lab Sample ID: LCS 320-743556/2-B
Matrix: Solid
Analysis Batch: 743938

Client Sample ID: Lab Control Sample
Prep Type: Step 3
Prep Batch: 743556

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Extractable Organic Fluorine (EOF)			5070	5150		ug/Kg		102	50 - 150		

Lab Sample ID: LCSD 320-743556/3-B
Matrix: Solid
Analysis Batch: 743938

Client Sample ID: Lab Control Sample Dup
Prep Type: Step 3
Prep Batch: 743556

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Extractable Organic Fluorine (EOF)			5070	5270		ug/Kg		104	50 - 150	2	20

Lab Sample ID: MB 320-752048/1-B
Matrix: Solid
Analysis Batch: 752648

Client Sample ID: Method Blank
Prep Type: Step 3
Prep Batch: 752048

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Extractable Organic Fluorine (EOF)	ND		250		ug/Kg		04/03/24 11:25	04/04/24 17:33	1

Lab Sample ID: LCS 320-752048/2-B
Matrix: Solid
Analysis Batch: 752648

Client Sample ID: Lab Control Sample
Prep Type: Step 3
Prep Batch: 752048

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Extractable Organic Fluorine (EOF)			5070	4820		ug/Kg		95	50 - 150		

Lab Sample ID: LCSD 320-752048/3-B
Matrix: Solid
Analysis Batch: 752648

Client Sample ID: Lab Control Sample Dup
Prep Type: Step 3
Prep Batch: 752048

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Extractable Organic Fluorine (EOF)			5070	4780		ug/Kg		94	50 - 150	1	20

QC Association Summary

Client: Target Technologies International Inc.
Project/Site: EOF, Infill

Job ID: 320-109804-1

LCMS

Prep Batch: 743556

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-109804-1	Batch #22755/Sample #1	Total/NA	Solid	EOF Prep	
MB 320-743556/1-B	Method Blank	Step 3	Solid	EOF Prep	
LCS 320-743556/2-B	Lab Control Sample	Step 3	Solid	EOF Prep	
LCSD 320-743556/3-B	Lab Control Sample Dup	Step 3	Solid	EOF Prep	

Cleanup Batch: 743909

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-109804-1	Batch #22755/Sample #1	Total/NA	Solid	Split	743556
MB 320-743556/1-B	Method Blank	Step 3	Solid	Split	743556
LCS 320-743556/2-B	Lab Control Sample	Step 3	Solid	Split	743556
LCSD 320-743556/3-B	Lab Control Sample Dup	Step 3	Solid	Split	743556

Analysis Batch: 743938

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-109804-1	Batch #22755/Sample #1	Total/NA	Solid	CIC EOF	743909
MB 320-743556/1-B	Method Blank	Step 3	Solid	CIC EOF	743909
LCS 320-743556/2-B	Lab Control Sample	Step 3	Solid	CIC EOF	743909
LCSD 320-743556/3-B	Lab Control Sample Dup	Step 3	Solid	CIC EOF	743909

Prep Batch: 752048

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-109804-2	Batch #22755/Sample #2	Total/NA	Solid	EOF Prep	
320-109804-3	Batch #22755/Sample #3	Total/NA	Solid	EOF Prep	
MB 320-752048/1-B	Method Blank	Step 3	Solid	EOF Prep	
LCS 320-752048/2-B	Lab Control Sample	Step 3	Solid	EOF Prep	
LCSD 320-752048/3-B	Lab Control Sample Dup	Step 3	Solid	EOF Prep	

Cleanup Batch: 752646

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-109804-2	Batch #22755/Sample #2	Total/NA	Solid	Split	752048
320-109804-3	Batch #22755/Sample #3	Total/NA	Solid	Split	752048
MB 320-752048/1-B	Method Blank	Step 3	Solid	Split	752048
LCS 320-752048/2-B	Lab Control Sample	Step 3	Solid	Split	752048
LCSD 320-752048/3-B	Lab Control Sample Dup	Step 3	Solid	Split	752048

Analysis Batch: 752648

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-109804-2	Batch #22755/Sample #2	Total/NA	Solid	CIC EOF	752646
320-109804-3	Batch #22755/Sample #3	Total/NA	Solid	CIC EOF	752646
MB 320-752048/1-B	Method Blank	Step 3	Solid	CIC EOF	752646
LCS 320-752048/2-B	Lab Control Sample	Step 3	Solid	CIC EOF	752646
LCSD 320-752048/3-B	Lab Control Sample Dup	Step 3	Solid	CIC EOF	752646

Lab Chronicle

Client: Target Technologies International Inc.
Project/Site: EOF, Infill

Job ID: 320-109804-1

Client Sample ID: Batch #22755/Sample #1

Lab Sample ID: 320-109804-1
Date Collected: 01/26/24 10:00
Matrix: Solid
Date Received: 02/19/24 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EOF Prep			1.09 g	5.0 mL	743556	02/29/24 10:40	CFR	EET SAC
Total/NA	Cleanup	Split			2 mL	1 mL	743909	02/29/24 14:00	JCB	EET SAC
Total/NA	Analysis	CIC EOF		1			743938	03/01/24 07:20	JCB	EET SAC

Client Sample ID: Batch #22755/Sample #2

Lab Sample ID: 320-109804-2
Date Collected: 01/26/24 11:00
Matrix: Solid
Date Received: 02/19/24 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EOF Prep			1.01 g	5 mL	752048	04/03/24 11:25	CFR	EET SAC
Total/NA	Cleanup	Split			2 mL	1 mL	752646	04/03/24 15:15	CFR	EET SAC
Total/NA	Analysis	CIC EOF		1			752648	04/04/24 18:52	JCB	EET SAC

Client Sample ID: Batch #22755/Sample #3

Lab Sample ID: 320-109804-3
Date Collected: 01/26/24 12:00
Matrix: Solid
Date Received: 02/19/24 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EOF Prep			1.06 g	5 mL	752048	04/03/24 11:25	CFR	EET SAC
Total/NA	Cleanup	Split			2 mL	1 mL	752646	04/03/24 15:15	CFR	EET SAC
Total/NA	Analysis	CIC EOF		1			752648	04/04/24 19:18	JCB	EET SAC

Laboratory References:

EET SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Accreditation/Certification Summary

Client: Target Technologies International Inc. Job ID: 320-109804-1
Project/Site: EOF, Infill

Laboratory: Eurofins Sacramento

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

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	17-020	02-20-27
ANAB	Dept. of Defense ELAP	L2468	01-20-27
ANAB	Dept. of Energy	L2468.01	01-20-27
ANAB	ISO/IEC 17025	L2468	01-20-27
Arizona	State	AZ0708	08-11-24
Arkansas DEQ	State	88-0691	05-18-24
California	State	2897	01-31-26
Colorado	State	CA00044	08-31-24
Florida	NELAP	E87570	06-30-24
Georgia	State	4040	01-29-25
Hawaii	State	Eurofins Sacramento	01-29-25
Illinois	NELAP	200060	03-31-25
Kansas	NELAP	E-10375	10-31-24
Louisiana	NELAP	01944	06-30-24
Louisiana (All)	NELAP	01944	06-30-24
Maine	State	CA00004	04-14-24
Michigan	State	9947	01-29-25
Nevada	State	CA00044	07-31-24
New Hampshire	NELAP	2997	04-18-24
New Jersey	NELAP	CA005	06-30-24
New York	NELAP	11666	04-01-25
Ohio	State	41252	01-29-25
Oregon	NELAP	4040	01-29-25
Texas	NELAP	T104704399-23-17	05-31-24
US Fish & Wildlife	US Federal Programs	A22139	04-30-24
USDA	US Federal Programs	P330-18-00239	02-28-26
Utah	NELAP	CA000442023-16	02-28-25
Virginia	NELAP	460278	03-14-25
Washington	State	C581	05-05-24
West Virginia (DW)	State	9930C	01-31-25
Wisconsin	State	998204680	08-31-24
Wyoming	State Program	8TMS-L	01-28-19 *

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

Method Summary

Client: Target Technologies International Inc.
Project/Site: EOF, Infill

Job ID: 320-109804-1

Method	Method Description	Protocol	Laboratory
CIC EOF	Extractable Organic Fluorine by Combustion Ion Chromatography	Lab SOP	EET SAC
EOF Prep	Preparation, Extractable Organic Fluorine	Lab SOP	EET SAC
Split	CIC - EOF Split	Lab SOP	EET SAC

Protocol References:

Lab SOP = Laboratory Standard Operating Procedure

Laboratory References:

EET SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Sample Summary

Client: Target Technologies International Inc.
Project/Site: EOF, Infill

Job ID: 320-109804-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
320-109804-1	Batch #22755/Sample #1	Solid	01/26/24 10:00	02/19/24 09:50
320-109804-2	Batch #22755/Sample #2	Solid	01/26/24 11:00	02/19/24 09:50
320-109804-3	Batch #22755/Sample #3	Solid	01/26/24 12:00	02/19/24 09:50

Eurofins Sacramento
Address: 880 Riverside Parkway
West Sacramento, CA 95605-1500
Phone 916 373 5600 fax 303 467 7248

Chain of Custody Record 721018

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Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other

TAL-8210

Client Contact	Project Manager: J Lanksbury	Site Contact:	Date:	COC No
Company Name: Target Technologies Inter Inc	Tel/Email: jlanksbury@kingcounty.gov	Lab Contact:	Carrier:	1 of 1 COCs
Address: 8535 Eastlake Drive	Analysis Turnaround Time			Sampler
City/State/Zip: Burnaby, BC V5A 4T7	☐ CALENDAR DAYS ☑ WORKING DAYS			For Lab Use Only:
Phone: 604-421-3620	TAT if different from Below ____			Walk-in Client
Fax	☑ 2 weeks			Lab Sampling
Project Name: Pro-Max 37 TPE EoF Analysis	☐ 1 week			
Site	☐ 2 days			Job / SDG No
P O #	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	CEC EOF	Sample Specific Notes
Batch # 22755 / Sample # 1	2024-01-26	10:00	G	solid	1			Y	
Batch # 22755 / Sample # 2	2024-01-26	11:00	G	solid	1			Y	
Batch # 22755 / Sample # 3	2024-01-26	12.00	G	solid	1			Y	

320-109804 Chain of Custody

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other ____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample

☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for ____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact. ☐ Yes ☐ No | Custody Seal No . | Cooler Temp (°C) Obs'd 14.3 Corr'd 14.3 Therm ID No CO7

Relinquished by	Company	Date/Time	Received by	Company	Date/Time
	Felix Compounds	2024-01-26		EETsac	240124 0950
Relinquished by	Company	Date/Time	Received by	Company	Date/Time
Relinquished by	Company	Date/Time	Received in Laboratory by	Company	Date/Time

4/10/2024

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Sacramento Sample Receiving Notes (SSRN)

Loc: 320
109804

Tracking # : 1Z 662 F53 0402 67 7831

Job:_____ _____

SO / PO / FO / SAT / 2-Day / Ground / (UPS) / CDO / Courier
GSL / OnTrac / Goldstreak / USPS / Other_____

Use this form to record Sample Custody Seal, Cooler Custody Seal, Temperature & corrected Temperature & other observations.
File in the job folder with the COC.

Therm. ID: 104 Corr. Factor: (+ / -) N/A °C

Ice_____ Wet ✓ Gel _____ Other _____

Cooler Custody Seal: —

Cooler ID: —

Temp Observed: 14.3 °C Corrected: 14.3 °C
From: Temp Blank ☑ Sample ☐

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☑	☐
Cooler Temperature is acceptable?	☐	☑	☐
Frozen samples show signs of thaw?	☐	☐	☑

Initials: SO Date: 2/19/24

Unpacking/Labeling The Samples	Yes	No	NA
Containers are not broken or leaking?	☑	☐	☐
Samples compromised/tampered with?	☐	☑	☐
COC is complete w/o discrepancies	☑	☐	☐
Sample custody seal?	☐	☑	☐
Sample containers have legible labels?	☑	☐	☐
Sample date/times are provided?	☑	☐	☐
Appropriate containers are used?	☑	☐	☐
Sample bottles are completely filled?	☑	☐	☐
Sample preservatives verified?	☐	☐	☑
Is the Field Sampler's name on COC?	☐	☑	☐
Samples w/o discrepancies?	☐	☑	☐
Zero headspace?*	☐	☐	☑
Alkalinity has no headspace?	☐	☐	☑
Perchlorate has headspace? (Methods 314, 331, 6850)	☐	☐	☑
Multiphasic samples are not present?	☑	☐	☐

Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials: MM Date: 2/19/24

Notes:
14.6 °C Sonder
no time on container labels

Trizma Lot #(s): _____

Ammonium
Acetate Lot #(s): _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☑	☐	☐
NCM Filed?	☑	☐	☐
Samples received within hold time?	☑	☐	☐
Log Release checked in TALS?	☑	☐	☐

Initials: MM Date: 2/19/24

Login Sample Receipt Checklist

Client: Target Technologies International Inc. Job Number: 320-109804-1

Login Number: 109804 **List Source: Eurofins Sacramento**
List Number: 1
Creator: Yabut, Martina V

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

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ANALYTICAL REPORT

PREPARED FOR

Attn: Nadia Minato
Target Technologies International Inc.
8535 Eastlake Drive
Burnaby, British Columbia V5A 4T7

Generated 4/10/2024 7:59:26 AM

JOB DESCRIPTION

EOF, Infill

JOB NUMBER

320-109805-1

Eurofins Sacramento
880 Riverside Parkway
West Sacramento CA 95605

See page two for job notes and contact information.

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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 Environment Testing Northern California, LLC Project Manager.

Authorization

Generated
4/10/2024 7:59:26 AM

Authorized for release by
Jill Kellmann, Client Service Manager
Jill.Kellmann@et.eurofinsus.com
(916)374-4402

Table of Contents

Definitions/Glossary

Client: Target Technologies International Inc.
Project/Site: EOF, Infill

Job ID: 320-109805-1

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

Case Narrative

Client: Target Technologies International Inc. Job ID: 320-109805-1
Project: EOF, Infill

Job ID: 320-109805-1 Eurofins Sacramento

Receipt
The samples were received on 2/19/2024 9:50 AM. 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 was 14.3º C.

Receipt Exceptions
The container label for the following samples did not match the information listed on the Chain-of-Custody (COC): The container labels did not have a collection time listed. The samples were logged in per the COC. Batch #22746/Sample #1 (320-109805-1), Batch #22746/Sample #2 (320-109805-2) and Batch #22746/Sample #3 (320-109805-3).

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

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

Detection Summary

Client: Target Technologies International Inc. Job ID: 320-109805-1
Project/Site: EOF, Infill

Client Sample ID: Batch #22746/Sample #1 Lab Sample ID: 320-109805-1

No Detections.

Client Sample ID: Batch #22746/Sample #2 Lab Sample ID: 320-109805-2

No Detections.

Client Sample ID: Batch #22746/Sample #3 Lab Sample ID: 320-109805-3

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: Target Technologies International Inc. Job ID: 320-109805-1
Project/Site: EOF, Infill

Client Sample ID: Batch #22746/Sample #1 — Lab Sample ID: 320-109805-1

Date Collected: 01/26/24 13:00 — **Matrix: Solid**
Date Received: 02/19/24 09:50

Method: Lab SOP CIC EOF - Extractable Organic Fluorine by Combustion Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Extractable Organic Fluorine (EOF)	ND		230		ug/Kg		04/03/24 11:25	04/04/24 19:44	1

Client Sample ID: Batch #22746/Sample #2 — Lab Sample ID: 320-109805-2

Date Collected: 01/26/24 14:00 — **Matrix: Solid**
Date Received: 02/19/24 09:50

Method: Lab SOP CIC EOF - Extractable Organic Fluorine by Combustion Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Extractable Organic Fluorine (EOF)	ND		240		ug/Kg		04/03/24 11:25	04/04/24 20:11	1

Client Sample ID: Batch #22746/Sample #3 — Lab Sample ID: 320-109805-3

Date Collected: 01/26/24 15:00 — **Matrix: Solid**
Date Received: 02/19/24 09:50

Method: Lab SOP CIC EOF - Extractable Organic Fluorine by Combustion Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Extractable Organic Fluorine (EOF)	ND		240		ug/Kg		04/03/24 11:25	04/04/24 20:37	1

QC Sample Results

Client: Target Technologies International Inc.
Project/Site: EOF, Infill

Job ID: 320-109805-1

Method: CIC EOF - Extractable Organic Fluorine by Combustion Ion Chromatography

Lab Sample ID: MB 320-752048/1-B
Matrix: Solid
Analysis Batch: 752648

Client Sample ID: Method Blank
Prep Type: Step 3
Prep Batch: 752048

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Extractable Organic Fluorine (EOF)	ND		250		ug/Kg		04/03/24 11:25	04/04/24 17:33	1

Lab Sample ID: LCS 320-752048/2-B
Matrix: Solid
Analysis Batch: 752648

Client Sample ID: Lab Control Sample
Prep Type: Step 3
Prep Batch: 752048

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Extractable Organic Fluorine (EOF)			5070	4820		ug/Kg		95	50 - 150		

Lab Sample ID: LCSD 320-752048/3-B
Matrix: Solid
Analysis Batch: 752648

Client Sample ID: Lab Control Sample Dup
Prep Type: Step 3
Prep Batch: 752048

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Extractable Organic Fluorine (EOF)			5070	4780		ug/Kg		94	50 - 150	1	20

QC Association Summary

Client: Target Technologies International Inc.
Project/Site: EOF, Infill

Job ID: 320-109805-1

LCMS

Prep Batch: 752048

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-109805-1	Batch #22746/Sample #1	Total/NA	Solid	EOF Prep	
320-109805-2	Batch #22746/Sample #2	Total/NA	Solid	EOF Prep	
320-109805-3	Batch #22746/Sample #3	Total/NA	Solid	EOF Prep	
MB 320-752048/1-B	Method Blank	Step 3	Solid	EOF Prep	
LCS 320-752048/2-B	Lab Control Sample	Step 3	Solid	EOF Prep	
LCSD 320-752048/3-B	Lab Control Sample Dup	Step 3	Solid	EOF Prep	

Cleanup Batch: 752646

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-109805-1	Batch #22746/Sample #1	Total/NA	Solid	Split	752048
320-109805-2	Batch #22746/Sample #2	Total/NA	Solid	Split	752048
320-109805-3	Batch #22746/Sample #3	Total/NA	Solid	Split	752048
MB 320-752048/1-B	Method Blank	Step 3	Solid	Split	752048
LCS 320-752048/2-B	Lab Control Sample	Step 3	Solid	Split	752048
LCSD 320-752048/3-B	Lab Control Sample Dup	Step 3	Solid	Split	752048

Analysis Batch: 752648

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-109805-1	Batch #22746/Sample #1	Total/NA	Solid	CIC EOF	752646
320-109805-2	Batch #22746/Sample #2	Total/NA	Solid	CIC EOF	752646
320-109805-3	Batch #22746/Sample #3	Total/NA	Solid	CIC EOF	752646
MB 320-752048/1-B	Method Blank	Step 3	Solid	CIC EOF	752646
LCS 320-752048/2-B	Lab Control Sample	Step 3	Solid	CIC EOF	752646
LCSD 320-752048/3-B	Lab Control Sample Dup	Step 3	Solid	CIC EOF	752646

Lab Chronicle

Client: Target Technologies International Inc.
Project/Site: EOF, Infill

Job ID: 320-109805-1

Client Sample ID: Batch #22746/Sample #1

Lab Sample ID: 320-109805-1
Date Collected: 01/26/24 13:00
Matrix: Solid
Date Received: 02/19/24 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EOF Prep			1.07 g	5 mL	752048	04/03/24 11:25	CFR	EET SAC
Total/NA	Cleanup	Split			2 mL	1 mL	752646	04/03/24 15:15	CFR	EET SAC
Total/NA	Analysis	CIC EOF		1			752648	04/04/24 19:44	JCB	EET SAC

Client Sample ID: Batch #22746/Sample #2

Lab Sample ID: 320-109805-2
Date Collected: 01/26/24 14:00
Matrix: Solid
Date Received: 02/19/24 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EOF Prep			1.06 g	5 mL	752048	04/03/24 11:25	CFR	EET SAC
Total/NA	Cleanup	Split			2 mL	1 mL	752646	04/03/24 15:15	CFR	EET SAC
Total/NA	Analysis	CIC EOF		1			752648	04/04/24 20:11	JCB	EET SAC

Client Sample ID: Batch #22746/Sample #3

Lab Sample ID: 320-109805-3
Date Collected: 01/26/24 15:00
Matrix: Solid
Date Received: 02/19/24 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EOF Prep			1.06 g	5 mL	752048	04/03/24 11:25	CFR	EET SAC
Total/NA	Cleanup	Split			2 mL	1 mL	752646	04/03/24 15:15	CFR	EET SAC
Total/NA	Analysis	CIC EOF		1			752648	04/04/24 20:37	JCB	EET SAC

Laboratory References:

EET SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Accreditation/Certification Summary

Client: Target Technologies International Inc. Job ID: 320-109805-1
Project/Site: EOF, Infill

Laboratory: Eurofins Sacramento

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

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	17-020	02-20-27
ANAB	Dept. of Defense ELAP	L2468	01-20-27
ANAB	Dept. of Energy	L2468.01	01-20-27
ANAB	ISO/IEC 17025	L2468	01-20-27
Arizona	State	AZ0708	08-11-24
Arkansas DEQ	State	88-0691	05-18-24
California	State	2897	01-31-26
Colorado	State	CA00044	08-31-24
Florida	NELAP	E87570	06-30-24
Georgia	State	4040	01-29-25
Hawaii	State	Eurofins Sacramento	01-29-25
Illinois	NELAP	200060	03-31-25
Kansas	NELAP	E-10375	10-31-24
Louisiana	NELAP	01944	06-30-24
Louisiana (All)	NELAP	01944	06-30-24
Maine	State	CA00004	04-14-24
Michigan	State	9947	01-29-25
Nevada	State	CA00044	07-31-24
New Hampshire	NELAP	2997	04-18-24
New Jersey	NELAP	CA005	06-30-24
New York	NELAP	11666	04-01-25
Ohio	State	41252	01-29-25
Oregon	NELAP	4040	01-29-25
Texas	NELAP	T104704399-23-17	05-31-24
US Fish & Wildlife	US Federal Programs	A22139	04-30-24
USDA	US Federal Programs	P330-18-00239	02-28-26
Utah	NELAP	CA000442023-16	02-28-25
Virginia	NELAP	460278	03-14-25
Washington	State	C581	05-05-24
West Virginia (DW)	State	9930C	01-31-25
Wisconsin	State	998204680	08-31-24
Wyoming	State Program	8TMS-L	01-28-19 *

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

Method Summary

Client: Target Technologies International Inc.
Project/Site: EOF, Infill

Job ID: 320-109805-1

Method	Method Description	Protocol	Laboratory
CIC EOF	Extractable Organic Fluorine by Combustion Ion Chromatography	Lab SOP	EET SAC
EOF Prep	Preparation, Extractable Organic Fluorine	Lab SOP	EET SAC
Split	CIC - EOF Split	Lab SOP	EET SAC

Protocol References:

Lab SOP = Laboratory Standard Operating Procedure

Laboratory References:

EET SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Sample Summary

Client: Target Technologies International Inc.
Project/Site: EOF, Infill

Job ID: 320-109805-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
320-109805-1	Batch #22746/Sample #1	Solid	01/26/24 13:00	02/19/24 09:50
320-109805-2	Batch #22746/Sample #2	Solid	01/26/24 14:00	02/19/24 09:50
320-109805-3	Batch #22746/Sample #3	Solid	01/26/24 15:00	02/19/24 09:50

Eurofins Sacramento
Address 880 Riverside Parkway
West Sacramento CA 95605-1500
Phone 916 373 5600 fax 303467 7248

Chain of Custody Record 721016

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Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other

TAL-8210

Client Contact	Project Manager: d Lanksbury yer	Site Contact.	Date	COC No
Company Name Target Technologies-Inter Inc	Tel/Email. jlanksbury@kingcounty.	Lab Contact.	Carrier:	1 of 1 COCs
Address 8535 Eastlake Drive	Analysis Turnaround Time			Sampler:
City/State/Zip Burnaby Bc V5A 4T7	☐ CALENDAR DAYS ☒ WORKING DAYS			For Lab Use Only.
Phone 604 421 3620	TAT if different from Below _____			Walk-in Client.
Fax	☒ 2 weeks			Lab Sampling
Project Name Pro Max 37 TPE EOF Analysis	☐ 1 week			
Site	☐ 2 days			Job / SDG No
P O #	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS/MSD (Y/N)	CEC EOF	Sample Specific Notes
Batch # 22746 / Sample #1	2024 01-26	13:00	G	Solid	1			Y	
Batch # 22746 / Sample #2	2024 01-26	14:00	G	Solid	1			Y	
Batch # 22746 / Sample #3	2024 01-26	15 00	G	Solid	1			Y	

320-109805 Chain of Custody

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample

☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for_____ Months

Special Instructions/QC Requirements & Comments

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No | Cooler Temp (°C) Obs'd 14.3 Corr'd 14.3 | Therm ID No WC4

Relinquished by	Company	Date/Time	Received by	Company	Date/Time
	Felix Compounds	2024-01-26		EETBay	2/19/24 0950
Relinquished by:	Company	Date/Time	Received by:	Company:	Date/Time
Relinquished by:	Company:	Date/Time	Received in Laboratory by:	Company	Date/Time

4/10/2024

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Sacramento Sample Receiving Notes (SSRN)

Loc: 320
109805

Tracking # 12662 FS3040267 5831

Job _____ _____

SO / PO / FO / SAT / 2-Day / Ground / UPS / CDO / Courier
GSL / OnTrac / Goldstreak / USPS / Other _____

Use this form to record Sample Custody Seal, Cooler Custody Seal, Temperature & corrected Temperature & other observations.
File in the job folder with the COC

Therm. ID: LOH Corr. Factor: (+ / -) N/A °C

Ice _____ Wet ✓ Gel _____ Other _____

Cooler Custody Seal: —

Cooler ID: —

Temp Observed: 14.3 °C Corrected: 14.3 °C

From. Temp Blank ☑ Sample ☐

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☑	☐
Cooler Temperature is acceptable?	☐	☑	☐
Frozen samples show signs of thaw?	☐	☐	☑

Initials: SO Date: 2/19/24

Unpacking/Labeling The Samples	Yes	No	NA
Containers are not broken or leaking?	☑	☐	☐
Samples compromised/tampered with?	☐	☑	☐
COC is complete w/o discrepancies	☑	☐	☐
Sample custody seal?	☐	☑	☐
Sample containers have legible labels?	☑	☐	☐
Sample date/times are provided?	☑	☐	☐
Appropriate containers are used?	☑	☐	☐
Sample bottles are completely filled?	☑	☐	☐
Sample preservatives verified?	☐	☐	☑
Is the Field Sampler's name on COC?	☐	☑	☐
Samples w/o discrepancies?	☐	☑	☐
Zero headspace?*	☐	☐	☑
Alkalinity has no headspace?	☐	☐	☑
Perchlorate has headspace? (Methods 314, 331, 6850)	☐	☐	☑
Multiphasic samples are not present?	☑	☐	☐

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials: MY Date 2/19/24

Notes:
14.6 °C Sonder
no name on container labels

Trizma Lot #(s) _____

Ammonium Acetate Lot #(s). _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☑	☐	☐
NCM Filed?	☑	☐	☐
Samples received within hold time?	☑	☐	☐
Log Release checked in TALS?	☑	☐	☐

Initials: MY Date 2/19/24

Login Sample Receipt Checklist

Client: Target Technologies International Inc. Job Number: 320-109805-1

Login Number: 109805 **List Source: Eurofins Sacramento**
List Number: 1
Creator: Yabut, Martina V

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

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ANALYTICAL REPORT

PREPARED FOR

Attn: Nadia Minato
Target Technologies International Inc.
8535 Eastlake Drive
Burnaby, British Columbia V5A 4T7

Generated 4/10/2024 8:04:31 AM

JOB DESCRIPTION

EOF, Infill

JOB NUMBER

320-109806-1

Eurofins Sacramento
880 Riverside Parkway
West Sacramento CA 95605

See page two for job notes and contact information.

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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 Environment Testing Northern California, LLC Project Manager.

Authorization

Generated
4/10/2024 8:04:31 AM

Authorized for release by
Jill Kellmann, Client Service Manager
Jill.Kellmann@et.eurofinsus.com
(916)374-4402

Table of Contents

Definitions/Glossary

Client: Target Technologies International Inc.
Project/Site: EOF, Infill

Job ID: 320-109806-1

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

Case Narrative

Client: Target Technologies International Inc. Job ID: 320-109806-1
Project: EOF, Infill

Job ID: 320-109806-1 Eurofins Sacramento

Receipt
The samples were received on 2/19/2024 9:50 AM. 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 was 14.3º C.

Receipt Exceptions
The container label for the following samples did not match the information listed on the Chain-of-Custody (COC): The container labels did not have a collection time listed. The samples were logged in per the COC. Batch #21020/Sample #1 (320-109806-1), Batch #21020/Sample #2 (320-109806-2) and Batch #21020/Sample #3 (320-109806-3).

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

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

Detection Summary

Client: Target Technologies International Inc.
Project/Site: EOF, Infill

Job ID: 320-109806-1

Client Sample ID: Batch #21020/Sample #1 — Lab Sample ID: 320-109806-1

No Detections.

Client Sample ID: Batch #21020/Sample #2 — Lab Sample ID: 320-109806-2

No Detections.

Client Sample ID: Batch #21020/Sample #3 — Lab Sample ID: 320-109806-3

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: Target Technologies International Inc. Job ID: 320-109806-1
Project/Site: EOF, Infill

Client Sample ID: Batch #21020/Sample #1 — Lab Sample ID: 320-109806-1

Date Collected: 01/26/24 10:00 **Matrix: Solid**
Date Received: 02/19/24 09:50

Method: Lab SOP CIC EOF - Extractable Organic Fluorine by Combustion Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Extractable Organic Fluorine (EOF)	ND		230		ug/Kg		03/12/24 11:26	04/03/24 22:23	1

Client Sample ID: Batch #21020/Sample #2 — Lab Sample ID: 320-109806-2

Date Collected: 01/26/24 11:00 **Matrix: Solid**
Date Received: 02/19/24 09:50

Method: Lab SOP CIC EOF - Extractable Organic Fluorine by Combustion Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Extractable Organic Fluorine (EOF)	ND		240		ug/Kg		03/12/24 11:26	04/03/24 22:50	1

Client Sample ID: Batch #21020/Sample #3 — Lab Sample ID: 320-109806-3

Date Collected: 01/26/24 12:00 **Matrix: Solid**
Date Received: 02/19/24 09:50

Method: Lab SOP CIC EOF - Extractable Organic Fluorine by Combustion Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Extractable Organic Fluorine (EOF)	ND		230		ug/Kg		03/12/24 11:26	04/03/24 23:16	1

QC Sample Results

Client: Target Technologies International Inc.
Project/Site: EOF, Infill

Job ID: 320-109806-1

Method: CIC EOF - Extractable Organic Fluorine by Combustion Ion Chromatography

Lab Sample ID: MB 320-746276/1-B
Matrix: Solid
Analysis Batch: 752356

Client Sample ID: Method Blank
Prep Type: Step 3
Prep Batch: 746276

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Extractable Organic Fluorine (EOF)	ND		250		ug/Kg		03/12/24 11:26	04/03/24 21:04	1

Lab Sample ID: LCS 320-746276/2-B
Matrix: Solid
Analysis Batch: 752356

Client Sample ID: Lab Control Sample
Prep Type: Step 3
Prep Batch: 746276

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Extractable Organic Fluorine (EOF)			5070	4710		ug/Kg		93	50 - 150		

Lab Sample ID: LCSD 320-746276/3-B
Matrix: Solid
Analysis Batch: 752356

Client Sample ID: Lab Control Sample Dup
Prep Type: Step 3
Prep Batch: 746276

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Extractable Organic Fluorine (EOF)			5070	4670		ug/Kg		92	50 - 150	1	20

QC Association Summary

Client: Target Technologies International Inc.
Project/Site: EOF, Infill

Job ID: 320-109806-1

LCMS

Prep Batch: 746276

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-109806-1	Batch #21020/Sample #1	Total/NA	Solid	EOF Prep	
320-109806-2	Batch #21020/Sample #2	Total/NA	Solid	EOF Prep	
320-109806-3	Batch #21020/Sample #3	Total/NA	Solid	EOF Prep	
MB 320-746276/1-B	Method Blank	Step 3	Solid	EOF Prep	
LCS 320-746276/2-B	Lab Control Sample	Step 3	Solid	EOF Prep	
LCSD 320-746276/3-B	Lab Control Sample Dup	Step 3	Solid	EOF Prep	

Cleanup Batch: 746593

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-109806-1	Batch #21020/Sample #1	Total/NA	Solid	Split	746276
320-109806-2	Batch #21020/Sample #2	Total/NA	Solid	Split	746276
320-109806-3	Batch #21020/Sample #3	Total/NA	Solid	Split	746276
MB 320-746276/1-B	Method Blank	Step 3	Solid	Split	746276
LCS 320-746276/2-B	Lab Control Sample	Step 3	Solid	Split	746276
LCSD 320-746276/3-B	Lab Control Sample Dup	Step 3	Solid	Split	746276

Analysis Batch: 752356

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-109806-1	Batch #21020/Sample #1	Total/NA	Solid	CIC EOF	746593
320-109806-2	Batch #21020/Sample #2	Total/NA	Solid	CIC EOF	746593
320-109806-3	Batch #21020/Sample #3	Total/NA	Solid	CIC EOF	746593
MB 320-746276/1-B	Method Blank	Step 3	Solid	CIC EOF	746593
LCS 320-746276/2-B	Lab Control Sample	Step 3	Solid	CIC EOF	746593
LCSD 320-746276/3-B	Lab Control Sample Dup	Step 3	Solid	CIC EOF	746593

Lab Chronicle

Client: Target Technologies International Inc.
Project/Site: EOF, Infill

Job ID: 320-109806-1

Client Sample ID: Batch #21020/Sample #1

Lab Sample ID: 320-109806-1
Date Collected: 01/26/24 10:00
Matrix: Solid
Date Received: 02/19/24 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EOF Prep			1.08 g	5 mL	746276	03/12/24 11:26	CFR	EET SAC
Total/NA	Cleanup	Split			2 mL	1 mL	746593	03/13/24 11:48	CFR	EET SAC
Total/NA	Analysis	CIC EOF		1			752356	04/03/24 22:23	JCB	EET SAC

Client Sample ID: Batch #21020/Sample #2

Lab Sample ID: 320-109806-2
Date Collected: 01/26/24 11:00
Matrix: Solid
Date Received: 02/19/24 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EOF Prep			1.05 g	5 mL	746276	03/12/24 11:26	CFR	EET SAC
Total/NA	Cleanup	Split			2 mL	1 mL	746593	03/13/24 11:48	CFR	EET SAC
Total/NA	Analysis	CIC EOF		1			752356	04/03/24 22:50	JCB	EET SAC

Client Sample ID: Batch #21020/Sample #3

Lab Sample ID: 320-109806-3
Date Collected: 01/26/24 12:00
Matrix: Solid
Date Received: 02/19/24 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EOF Prep			1.09 g	5 mL	746276	03/12/24 11:26	CFR	EET SAC
Total/NA	Cleanup	Split			2 mL	1 mL	746593	03/13/24 11:48	CFR	EET SAC
Total/NA	Analysis	CIC EOF		1			752356	04/03/24 23:16	JCB	EET SAC

Laboratory References:

EET SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Accreditation/Certification Summary

Client: Target Technologies International Inc. Job ID: 320-109806-1
Project/Site: EOF, Infill

Laboratory: Eurofins Sacramento

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

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	17-020	02-20-27
ANAB	Dept. of Defense ELAP	L2468	01-20-27
ANAB	Dept. of Energy	L2468.01	01-20-27
ANAB	ISO/IEC 17025	L2468	01-20-27
Arizona	State	AZ0708	08-11-24
Arkansas DEQ	State	88-0691	05-18-24
California	State	2897	01-31-26
Colorado	State	CA00044	08-31-24
Florida	NELAP	E87570	06-30-24
Georgia	State	4040	01-29-25
Hawaii	State	Eurofins Sacramento	01-29-25
Illinois	NELAP	200060	03-31-25
Kansas	NELAP	E-10375	10-31-24
Louisiana	NELAP	01944	06-30-24
Louisiana (All)	NELAP	01944	06-30-24
Maine	State	CA00004	04-14-24
Michigan	State	9947	01-29-25
Nevada	State	CA00044	07-31-24
New Hampshire	NELAP	2997	04-18-24
New Jersey	NELAP	CA005	06-30-24
New York	NELAP	11666	04-01-25
Ohio	State	41252	01-29-25
Oregon	NELAP	4040	01-29-25
Texas	NELAP	T104704399-23-17	05-31-24
US Fish & Wildlife	US Federal Programs	A22139	04-30-24
USDA	US Federal Programs	P330-18-00239	02-28-26
Utah	NELAP	CA000442023-16	02-28-25
Virginia	NELAP	460278	03-14-25
Washington	State	C581	05-05-24
West Virginia (DW)	State	9930C	01-31-25
Wisconsin	State	998204680	08-31-24
Wyoming	State Program	8TMS-L	01-28-19 *

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

Method Summary

Client: Target Technologies International Inc.
Project/Site: EOF, Infill

Job ID: 320-109806-1

Method	Method Description	Protocol	Laboratory
CIC EOF	Extractable Organic Fluorine by Combustion Ion Chromatography	Lab SOP	EET SAC
EOF Prep	Preparation, Extractable Organic Fluorine	Lab SOP	EET SAC
Split	CIC - EOF Split	Lab SOP	EET SAC

Protocol References:

Lab SOP = Laboratory Standard Operating Procedure

Laboratory References:

EET SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Sample Summary

Client: Target Technologies International Inc.
Project/Site: EOF, Infill

Job ID: 320-109806-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
320-109806-1	Batch #21020/Sample #1	Solid	01/26/24 10:00	02/19/24 09:50
320-109806-2	Batch #21020/Sample #2	Solid	01/26/24 11:00	02/19/24 09:50
320-109806-3	Batch #21020/Sample #3	Solid	01/26/24 12:00	02/19/24 09:50

Chain of Custody Record 721019

eurofins | Environment Testing America

TAL-8210

Address: EUROFINS SACRAMENTO
880 RIVERSIDE PARKWAY
WEST SACRAMENTO, CA 95605-1500
PHONE 916-373-5600 / FAX 303 467-7248

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other

Client Contact		Project Manager: J LANKSBURY (CLIENT)	Site Contact:	Date:	COC No
Company Name	TARGET TECHNOLOGIES INC	Tel/Email: JLANKSBURY@ZKINGCOUNT.gov	Lab Contact:	Carrier:	___ of ___ COCs
Address	8535 EASTLAKE DRIVE	Analysis Turnaround Time			Sampler
City/State/Zip	BURNABY BC V5A 4T7	☐ CALENDAR DAYS ☑ WORKING DAYS			For Lab Use Only:
Phone	604-421-3620	TAT if different from Below ______			Walk-in Client
Fax		☑ 2 weeks			Lab Sampling
Project Name	PRO-MAX 37 TPE OF ANALYSIS	☐ 1 week			
Site		☐ 2 days			Job / SDG No
P O #		☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)		Sample Specific Notes
Batch #21020 / Sample #1	2024-01-26	10:00	G	SOLID	1			y	
Batch #21020 / Sample #2	2024-01-26	11:00	G	SOLID	1			y	
Batch #21020 / Sample #3	2024-01-26	12:00	G	SOLID	1			y	

320-109806 Chain of Custody

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other ______

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample

☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for ______ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact ☐ Yes ☐ No	Custody Seal No		Cooler Temp (°C) Obs'd 19.3 Corr'd 19.3		Therm ID No 604
Relinquished by	Company FELIX COMPOUNDS	Date/Time 2024-01-26 [illegible]	Received by [signature]	Company EETSAC	Date/Time 2/19/24 0950
Relinquished by	Company	Date/Time	Received by	Company	Date/Time
Relinquished by	Company	Date/Time	Received in Laboratory by	Company	Date/Time

eurofins | Environment Testing

Sacramento Sample Receiving Notes (SSRN)

Loc: 320
109806

Tracking # : 1Z 662 F53 0402 67 5831

Job:_____ _____

SO / PO / FO / SAT / 2-Day / Ground / UPS / CDO / Courier

GSL / OnTrac / Goldstreak / USPS / Other_____

Use this form to record Sample Custody Seal, Cooler Custody Seal, Temperature & corrected Temperature & other observations.
File in the job folder with the COC.

Therm. ID: 104 Corr. Factor: (+ / -) N/A °C

Ice_____ Wet ✓ Gel _____ Other _____

Cooler Custody Seal: —

Cooler ID: —

Temp Observed: 14.3 °C Corrected: 14.3 °C

From: Temp Blank ☒ Sample ☐

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☒	☐
Cooler Temperature is acceptable?	☐	☒	☐
Frozen samples show signs of thaw?	☐	☐	☒

Initials: SO Date: 2/19/24

Unpacking/Labeling The Samples	Yes	No	NA
Containers are not broken or leaking?	☑	☐	☐
Samples compromised/tampered with?	☐	☑	☐
COC is complete w/o discrepancies	☑	☐	☐
Sample custody seal?	☐	☑	☐
Sample containers have legible labels?	☑	☐	☐
Sample date/times are provided?	☑	☐	☐
Appropriate containers are used?	☑	☐	☐
Sample bottles are completely filled?	☑	☐	☐
Sample preservatives verified?	☐	☐	☑
Is the Field Sampler's name on COC?	☐	☑	☐
Samples w/o discrepancies?	☐	☑	☐
Zero headspace?*	☐	☐	☑
Alkalinity has no headspace?	☐	☐	☑
Perchlorate has headspace? (Methods 314, 331, 6850)	☐	☐	☑
Multiphasic samples are not present?	☑	☐	☐

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials: MY Date: 2/19/24

Notes:

14.6 °C Sonder

container labels have no time

Trizma Lot #(s): _____

_____

_____

Ammonium Acetate Lot #(s): _____

_____

_____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☑	☐	☐
NCM Filed?	☑	☐	☐
Samples received within hold time?	☑	☐	☐
Log Release checked in TALS?	☑	☐	☐

Initials: MY Date: 2/19/24

Login Sample Receipt Checklist

Client: Target Technologies International Inc.

Job Number: 320-109806-1

Login Number: 109806
List Number: 1
Creator: Yabut, Martina V

List Source: Eurofins Sacramento

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

King County
Department of Natural Resources and Parks
Water and Land Resources Division
Environmental Laboratory
LAB-NR0100
322 West Ewing Street
Seattle, WA 98119-1507
206-477-7200 Fax 206-684-2395
TTY Relay: 711

December 18, 2024

Jennifer Lanksbury
201 S Jackson Street, Suite 5600
Seattle, WA 98104

Dear Jennifer Lanksbury,

Enclosed are the results for fifteen synthetic precipitation leaching procedure (SPLP) extracts and one extraction blank. The SPLP extracts were prepared by Analytical Resources LLC (ARI) on February 19, 2024 and received by the King County Environmental Lab on February 21, 2024.The extracts were prepared using fifteen samples of TPE Pro-Max 37™ (TPE) turf infill that were extracted according to EPA SW-846 method 1312.

KCEL Sample ID	Client Sample ID	ARI Sample ID
L83333-1	Batch 22755, Sample 1	24B0327-01 A
L83333-2	Batch 22746, Sample 1	24B0327-02 A
L83333-3	Batch 22669, Sample 1	24B0327-03 A
L83333-4	Batch 22659, Sample 1	24B0327-04 A
L83333-5	Batch 21020, Sample 1	24B0327-05 A
L83333-6	Batch 22755, Sample 2	24B0327-06 A
L83333-7	Batch 22746, Sample 2	24B0327-07 A
L83333-8	Batch 22669, Sample 2	24B0327-08 A
L83333-9	Batch 22659, Sample 2	24B0327-09 A
L83333-10	Batch 21020, Sample 2	24B0327-10 A
L83333-11	Batch 22755, Sample 3	24B0327-11 A
L83333-12	Batch 22746, Sample 3	24B0327-12 A
L83333-13	Batch 22669, Sample 3	24B0327-13 A
L83333-14	Batch 22659, Sample 3	24B0327-14 A
L83333-15	Batch 21020, Sample 3	24B0327-15 A
L83333-16	n/a	BMB0489-BLK1 (QC blank)*

* ARI's SPLP extraction blank

The SPLP extracted samples were analyzed for 6-PPDQ. All QC results for samples included in this report were within laboratory limits.

This package includes sample data, laboratory Quality Control data, and copies of sample receipt and chain of custody records.

Please feel free to call me at 206-477-7158 should you have questions regarding the results.

Sincerely,

Susannah Rowles
Laboratory Project Manager

King County Environmental Lab Analytical Report

	Project: 421195-690 Locator: NONE Descrip: UNKNOWN LOCATOR Sample: L83333-1 Matrix: LA OTHR WTR ColDate: 2/19/24 7:08 ClientLoc: Batch 22755, Sample 1 **WET Weight Basis**					Project: 421195-690 Locator: NONE Descrip: UNKNOWN LOCATOR Sample: L83333-2 Matrix: LA OTHR WTR ColDate: 2/19/24 7:08 ClientLoc: Batch 22746, Sample 1 **WET Weight Basis**					Project: 421195-690 Locator: NONE Descrip: UNKNOWN LOCATOR Sample: L83333-3 Matrix: LA OTHR WTR ColDate: 2/19/24 7:08 ClientLoc: Batch 22669, Sample 1 **WET Weight Basis**				
Parameters	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**
AQ KCEL SOP 4077: 6PPDQ by LCMS															
6ppd-quinone		<MDL	0.002	0.01	ug/L		<MDL	0.002	0.01	ug/L		<MDL	0.002	0.01	ug/L
ES NONE															
Client Locator	Batch 22755, Sample 1				none	Batch 22746, Sample 1				none	Batch 22669, Sample 1				none

King County Environmental Lab Analytical Report

	Project: 421195-690 Locator: NONE Descrip: UNKNOWN LOCATOR Sample: L83333-4 Matrix: LA OTHR WTR ColDate: 2/19/24 7:08 ClientLoc: Batch 22659, Sample 1 **WET Weight Basis**					Project: 421195-690 Locator: NONE Descrip: UNKNOWN LOCATOR Sample: L83333-5 Matrix: LA OTHR WTR ColDate: 2/19/24 7:08 ClientLoc: Batch 21020, Sample 1 **WET Weight Basis**					Project: 421195-690 Locator: NONE Descrip: UNKNOWN LOCATOR Sample: L83333-6 Matrix: LA OTHR WTR ColDate: 2/19/24 7:08 ClientLoc: Batch 22755, Sample 2 **WET Weight Basis**				
Parameters	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**
AQ KCEL SOP 4077: 6PPDQ by LCMS															
6ppd-quinone		<MDL	0.002	0.01	ug/L		<MDL	0.002	0.01	ug/L	0.0031	<RDL	0.002	0.01	ug/L
ES NONE															
Client Locator	Batch 22659, Sample 1				none	Batch 21020, Sample 1				none	Batch 22755, Sample 2				none

King County Environmental Lab Analytical Report

Project:	421195-690	421195-690	421195-690
Locator:	NONE	NONE	NONE
Descrip:	UNKNOWN LOCATOR	UNKNOWN LOCATOR	UNKNOWN LOCATOR
Sample:	L83333-7	L83333-8	L83333-9
Matrix:	LA OTHR WTR	LA OTHR WTR	LA OTHR WTR
ColDate:	2/19/24 7:08	2/19/24 7:08	2/19/24 7:08
ClientLoc:	Batch 22746, Sample 2	Batch 22669, Sample 2	Batch 22659, Sample 2
	WET Weight Basis	**WET Weight Basis**	**WET Weight Basis**

Parameters	Value	Qual	MDL	RDL	Units	Value	Qual	MDL	RDL	Units	Value	Qual	MDL	RDL	Units
AQ KCEL SOP 4077: 6PPDQ by LCMS															
6ppd-quinone	0.0022	<RDL	0.002	0.01	ug/L		<MDL	0.002	0.01	ug/L	0.0023	<RDL	0.002	0.01	ug/L
ES NONE															
Client Locator	Batch 22746, Sample 2				none	Batch 22669, Sample 2				none	Batch 22659, Sample 2				none

King County Environmental Lab Analytical Report

Project:	421195-690	421195-690	421195-690
Locator:	NONE	NONE	NONE
Descrip:	UNKNOWN LOCATOR	UNKNOWN LOCATOR	UNKNOWN LOCATOR
Sample:	L83333-10	L83333-11	L83333-12
Matrix:	LA OTHR WTR	LA OTHR WTR	LA OTHR WTR
ColDate:	2/19/24 7:08	2/19/24 7:08	2/19/24 7:08
ClientLoc:	Batch 21020, Sample 2	Batch 22755, Sample 3	Batch 22746, Sample 3
WET Weight Basis		**WET Weight Basis**	**WET Weight Basis**

Parameters	Value	Qual	MDL	RDL	Units	Value	Qual	MDL	RDL	Units	Value	Qual	MDL	RDL	Units
AQ KCEL SOP 4077: 6PPDQ by LCMS															
6ppd-quinone		<MDL	0.002	0.01	ug/L		<MDL	0.002	0.01	ug/L		<MDL	0.002	0.01	ug/L
ES NONE															
Client Locator	Batch 21020, Sample 2				none	Batch 22755, Sample 3				none	Batch 22746, Sample 3				none

King County Environmental Lab Analytical Report

	Project: 421195-690 Locator: NONE Descrip: UNKNOWN LOCATOR Sample: L83333-13 Matrix: LA OTHR WTR ColDate: 2/19/24 7:08 ClientLoc: Batch 22669, Sample 3 **WET Weight Basis**					Project: 421195-690 Locator: NONE Descrip: UNKNOWN LOCATOR Sample: L83333-14 Matrix: LA OTHR WTR ColDate: 2/19/24 7:08 ClientLoc: Batch 22659, Sample 3 **WET Weight Basis**					Project: 421195-690 Locator: NONE Descrip: UNKNOWN LOCATOR Sample: L83333-15 Matrix: LA OTHR WTR ColDate: 2/19/24 7:08 ClientLoc: Batch 21020, Sample 3 **WET Weight Basis**				
Parameters	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**	**Value**	**Qual**	**MDL**	**RDL**	**Units**
AQ KCEL SOP 4077: 6PPDQ by LCMS															
6ppd-quinone		<MDL	0.002	0.01	ug/L		<MDL	0.002	0.01	ug/L		<MDL	0.002	0.01	ug/L
ES NONE															
Client Locator	Batch 22669, Sample 3				none	Batch 22659, Sample 3				none	Batch 21020, Sample 3				none

King County Environmental Lab Analytical Report

Project: 421195-690
Locator: NONE
Descrip: UNKNOWN LOCATOR
Sample: L83333-16
Matrix: LA OTHR WTR
ColDate: 2/19/24 7:08
ClientLoc: ARI SPLP Extraction Blank
WET Weight Basis

Parameters	Value	Qual	MDL	RDL	Units
AQ KCEL SOP 4077: 6PPDQ by LCMS					
6ppd-quinone		<MDL	0.002	0.01	ug/L
ES NONE					
Client Locator	ARI SPLP Extraction Blank				none

King County Environmental Lab Analytical MATRIX Report

Owner: SEEDPAK
Matrix Class: LIQUID
User select: WET Weight Basis

LOCATOR	PROJECT	SAMPLE	COLLECTED	6ppd-quinone ug/L
NONE	421195-690	L83333-1	2/19/2024 7:08	
NONE	421195-690	L83333-2	2/19/2024 7:08	
NONE	421195-690	L83333-3	2/19/2024 7:08	
NONE	421195-690	L83333-4	2/19/2024 7:08	
NONE	421195-690	L83333-5	2/19/2024 7:08	
NONE	421195-690	L83333-6	2/19/2024 7:08	0.0031
NONE	421195-690	L83333-7	2/19/2024 7:08	0.0022
NONE	421195-690	L83333-8	2/19/2024 7:08	
NONE	421195-690	L83333-9	2/19/2024 7:08	0.0023
NONE	421195-690	L83333-10	2/19/2024 7:08	
NONE	421195-690	L83333-11	2/19/2024 7:08	
NONE	421195-690	L83333-12	2/19/2024 7:08	
NONE	421195-690	L83333-13	2/19/2024 7:08	
NONE	421195-690	L83333-14	2/19/2024 7:08	
NONE	421195-690	L83333-15	2/19/2024 7:08	
NONE	421195-690	L83333-16	2/19/2024 7:08	
* Not converted to dry weight basis				

King County Environmental Laboratory QC Report

6PPDQ Testing of SPLP Turf Infill Extracts February 19, 2024

Workgroup: WG192722 6PPDQ by LCMS

MB:WG192722-1 Matrix: OTHR WTR Listtype:AQ6PPDQ-LCMS Method:KCEL SOP 4077: 6PPDQ by LCMS Project: Pkey:STD
(Method Blank)

Parameter	MDL	RDL	Units	MB Value	Qual
6ppd-quinone	0.002	0.01	ug/L		U

SB:WG192722-2 MB:WG192722-1 Matrix: OTHR WTR Listtype:AQ6PPDQ-LCMS Method:KCEL SOP 4077: 6PPDQ by LCMS Project: Pkey:STD
(Spike Blank, Method Blank)

Parameter	MDL	RDL	Units	MB Value	True Value	SB Value	% Rec.	Qual	Lab Limit
6ppd-quinone	0.002	0.01	ug/L	U	0.2	0.196	98		50--150

MSD:WG192722-4 MS:WG192722-3 L83333-16 Matrix: OTHR WTR Listtype:AQ6PPDQ-LCMS Method:KCEL SOP 4077: 6PPDQ by LCMS Project:421195-690 Pkey:STD
(Matrix Spike Duplicate, Matrix Spike)

Parameter	MDL	RDL	Units	SAMP Value	True Value	MS Value	% Rec.	Qual	Lab Limit	True Value	MSD Value	% Rec.	Qual	RPD	Qual	Lab Limit
6ppd-quinone	0.002	0.01	ug/L	U	0.2	0.177	88		50--150	0.2	0.18	90		2		0--45

LD:WG192722-5 L83333-11 Matrix: OTHR WTR Listtype:AQ6PPDQ-LCMS Method:KCEL SOP 4077: 6PPDQ by LCMS Project:421195-690 Pkey:STD
(Lab Duplicate)

Parameter	MDL	RDL	Units	SAMP Value	LD Value	RPD	Qual	Lab Limit
6ppd-quinone	0.002	0.01	ug/L	U	U			0--40

CCC:WG192722-6 Matrix: OTHR WTR Listtype:AQ6PPDQ-LCMS Method:KCEL SOP 4077: 6PPDQ by LCMS Project: Pkey:STD
(Continuing Calibration Check)

Parameter	MDL	RDL	Units	True Value	CCC Value	% Rec.	Qual	Lab Limit
6ppd-quinone	0.01	0.05	ug/L	1	1.01	101		80--120

King County Environmental Laboratory QC Report

6PPDQ Testing of SPLP Turf Infill Extracts February 19, 2024

Surrogate:	d5-6PPDQ
(Lab Limits)	**20--200**
L83333-1	73
L83333-2	71
L83333-3	75
L83333-4	61
L83333-5	76
L83333-6	73
L83333-7	78
L83333-8	73
L83333-9	64
L83333-10	67
L83333-11	64
L83333-12	76
L83333-13	82
L83333-14	80
L83333-15	77
L83333-16	68
WG192722-1	82
WG192722-2	76
WG192722-3	64
WG192722-4	67
WG192722-5	70
WG192722-6	89

6PPDQ results for turf infill leachate samples and associated QC

Sample #	collect date	receipt date	prep date	analysis date	6PPDQ (ug/L)	Surrogate % recovery
L83333-1	2/19/2024	2/21/2023	2/22/2023	2/23/2024	<MDL	73
L83333-2	2/19/2024	2/21/2023	2/22/2023	2/23/2024	<MDL	71
L83333-3	2/19/2024	2/21/2023	2/22/2023	2/23/2024	<MDL	75
L83333-4	2/19/2024	2/21/2023	2/22/2023	2/23/2024	<MDL	61
L83333-5	2/19/2024	2/21/2023	2/22/2023	2/23/2024	<MDL	76
L83333-6	2/19/2024	2/21/2023	2/22/2023	2/23/2024	0.0031 (<RDL)	73
L83333-7	2/19/2024	2/21/2023	2/22/2023	2/23/2024	0.0022 (<RDL)	78
L83333-8	2/19/2024	2/21/2023	2/22/2023	2/23/2024	<MDL	73
L83333-9	2/19/2024	2/21/2023	2/22/2023	2/23/2024	0.0023 (<RDL)	64
L83333-10	2/19/2024	2/21/2023	2/22/2023	2/23/2024	<MDL	67
L83333-11	2/19/2024	2/21/2023	2/22/2023	2/23/2024	<MDL	64
L83333-12	2/19/2024	2/21/2023	2/22/2023	2/23/2024	<MDL	76
L83333-13	2/19/2024	2/21/2023	2/22/2023	2/23/2024	<MDL	82
L83333-14	2/19/2024	2/21/2023	2/22/2023	2/23/2024	<MDL	80
L83333-15	2/19/2024	2/21/2023	2/22/2023	2/23/2024	<MDL	77
L83333-16	2/19/2024	2/21/2023	2/22/2023	2/23/2024	<MDL	68

MDL = 0.002 ug/L
RDL = 0.01 ug/L
surrogate % recovery range: 25-200%

QC sample #	QC type	prep date	analysis date	6PPDQ (ug/L)	% recovery	Surrogate % recovery
WG192722-1	method blank	2/22/2023	2/23/2024	<MDL	na	82
WG192722-2	spike blank	2/22/2023	2/23/2024	0.196	98	76
WG192722-3	matrix spike (w/ L83333-16)	2/22/2023	2/23/2024	0.177	88	64
WG192722-4	matrix spike duplicate	2/22/2023	2/23/2024	0.18	90	67
WG192722-5	lab duplicate (w/ L83333-11)	2/22/2023	2/23/2024	<MDL (same as sample)	na	70
WG192722-6	continuing calibration check	2/22/2023	2/23/2024	1.01	101	89

Analytical Resources, LLC
Analytical Chemists and Consultants

PREPARATION BENCH SHEET

BMB0489

Matrix: Solid **Prepared using: Metals - EPA 1312 (Elutriate Prep)**

Surrogate ID:

Lab Number	Analysis	Prepared	Initial (g)	Final (mL)	Spike ID	Source ID	uL Spike	Surrogate	Comments
24B0327-01 A	SPLP 1312	02/19/24@07:08	40	800					
24B0327-02 A	SPLP 1312	02/19/24@07:08	40	800					
24B0327-03 A	SPLP 1312	02/19/24@07:08	40	800					
24B0327-04 A	SPLP 1312	02/19/24@07:08	40	800					
24B0327-05 A	SPLP 1312	02/19/24@07:08	40	800					
24B0327-06 A	SPLP 1312	02/19/24@07:08	40	800					
24B0327-07 A	SPLP 1312	02/19/24@07:08	40	800					
24B0327-08 A	SPLP 1312	02/19/24@07:08	40	800					
24B0327-09 A	SPLP 1312	02/19/24@07:08	40	800					
24B0327-10 A	SPLP 1312	02/19/24@07:08	40	800					
24B0327-11 A	SPLP 1312	02/19/24@07:08	40	800					
24B0327-12 A	SPLP 1312	02/19/24@07:08	40	800					
24B0327-13 A	SPLP 1312	02/19/24@07:08	40	800					
24B0327-14 A	SPLP 1312	02/19/24@07:08	40	800					
24B0327-15 A	SPLP 1312	02/19/24@07:08	40	800					
BMB0489-BLK1	QC	02/19/24@07:08	40	800					

WORK ORDER SUMMARY

24B0327

Samples will be discarded 90 days after submission of a final report unless other instructions are received.

Client: Target Technologies International Inc	**Project Manager:** Shelly Fishel
Project: SPLP No Analysis	**Project Number:** SPLP No Analysis 2023-December
Received: 2/2/2024 10:30:00AM	**Logged:** 2/14/2024 9:42:00AM

CHAIN OF CUSTODY DOCUMENTS FOLLOW

Chain of Custody Record & Laboratory Analysis Request

AR Assigned Number: 24B0327	Turn-around Requested: 2 weeks	Date: 2024-01-31	
AR Client Company: Target Technologies International Inc.	Phone: 206-263-3674	Page: 1 of 3	
Client Contact: Jennifer Lanksbury (Client's King County partner)		No. of Coolers:	Cooler Temps:
Client Project Name: Pro-Max 37 TPE SPLP Extraction			
Client Project #:	Samplers: D Chaput, C Andrea		

Analytical Resources, LLC
Analytical Chemists and Consultants
4611 South 134th Place, Suite 100
Tukwila, WA 98168
206-695-6200 206-695-6202 (fax)

Sample ID	Date	Time	Matrix	No. Containers	Analysis Requested: SPLP, EPA 1312								Notes/Comments
Batch # 22755/sample #2	01/22/24	11:00	Solid	1	✓								
Batch # 22746sample #2	01/22/24	14:00	Solid	1	✓								
Batch # 22669/sample #2	01/22/24	17:00	Solid	1	✓								
Batch # 22659/sample #2	01/22/24	20:00	Solid	1	✓								
atch # 21020/sample #2	01/22/24	11:00	Solid	1	✓								
			Solid	1	✓								
			Solid	1	✓								
			Solid	1	✓								
			Solid	1	✓								
			Solid	1	✓								

Comments/Special Instructions	Relinquished by: (Signature)	Received by: (Signature)	Relinquished by: (Signature)	Received by: (Signature)
Finished SPLP extractions must be shipped to Susannah Rowles at King County Environmental Lab within 2 weeks of extraction (i.e., 2-week hold time) for 6PPD-q analysis.	Printed Name: PATRICK DUMESLE	Printed Name: Matthew Donner	Printed Name:	Printed Name:
	Company:	Company: ARCL	Company:	Company:
	Date & Time: 2024-01-31	Date & Time: 02/02/24 1030	Date & Time:	Date & Time:

Limits of Liability: *Analytical Resources, LLC (AR) will perform all requested services in accordance with appropriate methodology following AR Standard Operating Procedures and the AR Quality Assurance Program. This program meets standards for the industry. The total liability of AR, its officers, agents, employees, or successors, arising out of or in connection with the requested services, shall not exceed the Invoiced amount for said services. The acceptance by the client of a proposal for services by AR release AR from any liability in excess thereof, not withstanding any provision to the contrary in any contract, purchase order or co-signed agreement between AR and the Client.*

Sample Retention Policy: Unless specified by work order or contract, all water/soil samples submitted to AR will be discarded or returned, no sooner than 90 days after receipt or 60 days after submission of hard copy data, whichever is longer. Sediment samples submitted under PSDDA/PSEP/SMS protocol will be stored frozen for up to one year and then discarded.

Chain of Custody Record & Laboratory Analysis Request

AR Assigned Number: 24B0327	Turn-around Requested: 2 weeks	Date: 2024-01-31	
AR Client Company: Target Technologies International Inc.	Phone: 206-263-3674	Page: 2 of 3	
Client Contact: Jennifer Lanksbury (Client's King County partner)		No. of Coolers:	Cooler Temps:
Client Project Name: Pro-Max 37 TPE SPLP Extraction			
Client Project #:	Samplers: D Chaput, C Andrea		

Analytical Resources, LLC
Analytical Chemists and Consultants
4611 South 134th Place, Suite 100
Tukwila, WA 98168
206-695-6200 206-695-6202 (fax)

Sample ID	Date	Time	Matrix	No. Containers	Analysis Requested: SPLP, EPA 1312								Notes/Comments
Batch # 22755/sample #2	01/22/24	12:00	Solid	1	✓								
Batch # 22746sample #2	01/22/24	15:00	Solid	1	✓								
Batch # 22669/sample #2	01/22/24	18:00	Solid	1	✓								
Batch # 22659/sample #2	01/22/24	21:00	Solid	1	✓								
atch # 21020/sample #2	01/22/24	12:00	Solid	1	✓								
			Solid	1	✓								
			Solid	1	✓								
			Solid	1	✓								
			Solid	1	✓								
			Solid	1	✓								

Comments/Special Instructions	Relinquished by: (Signature)	Received by: (Signature)	Relinquished by: (Signature)	Received by: (Signature)
Finished SPLP extractions must be shipped to Susannah Rowles at King County Environmental Lab within 2 weeks of extraction (i.e., 2-week hold time) for 6PPD-q analysis.	Printed Name: Patrick Dumesle	Printed Name: Matthew Daniel	Printed Name:	Printed Name:
	Company: Felix Compounds	Company: ARLL	Company:	Company:
	Date & Time: 2024-01-31	Date & Time: 02/02/24 1030	Date & Time:	Date & Time:

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Chain of Custody Record & Laboratory Analysis Request

AR Assigned Number: 24B0327	Turn-around Requested: 2 weeks	Date: 2024-01-31	
AR Client Company: Target Technologies International Inc.	Phone: 206-263-3674	Page: 3 of 3	
Client Contact: Jennifer Lanksbury (Client's King County partner)		No. of Coolers:	Cooler Temps:
Client Project Name: Pro-Max 37 TPE SPLP Extraction			
Client Project #:	Samplers: D Chaput, C Andrea		

Analytical Resources, LLC
Analytical Chemists and Consultants
4611 South 134th Place, Suite 100
Tukwila, WA 98168
206-695-6200 206-695-6202 (fax)

Sample ID	Date	Time	Matrix	No. Containers	SPLP, EPA 1312								Notes/Comments
Batch # 22755/sample #3	01/22/24	13:00	Solid	1	✓								
Batch # 22746sample #3	01/22/24	16:00	Solid	1	✓								
Batch # 22669/sample #3	01/22/24	19:00	Solid	1	✓								
Batch # 22659/sample #3	01/22/24	22:00	Solid	1	✓								
atch # 21020/sample #3	01/22/24	13:00	Solid	1	✓								
			Solid	1	✓								
			Solid	1	✓								
			Solid	1	✓								
			Solid	1	✓								
			Solid	1	✓								

Comments/Special Instructions	Relinquished by:	Received by:	Relinquished by:	Received by:
Finished SPLP extractions must be shipped to Susannah Rowles at King County Environmental Lab within 2 weeks of extraction (i.e., 2-week hold time) for 6PPD-q analysis.	(Signature)	(Signature) Matthew Dame	(Signature)	(Signature)
	Printed Name: PATRICK DUMELLE	Printed Name: Matthew Darnell	Printed Name:	Printed Name:
	Company: VELLY COMPOUNDS	Company: ARLLC	Company:	Company:
	Date & Time: 2024-01-31	Date & Time: 02/02/24 1030	Date & Time:	Date & Time:

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WORK ORDER SUMMARY

24B0327

Samples will be discarded 90 days after submission of a final report unless other instructions are received.

Client: Target Technologies International Inc
Project Manager: Shelly Fishel
Project: SPLP No Analysis
Project Number: SPLP No Analysis 2023-December

Report To:
Target Technologies International Inc
Nadia Minato
8535 Eastlake Drive
Burnaby, BC CANADA VSA 4T7
Phone: (604) 421-3620
Fax: (604) 420-3616

Invoice To:
Target Technologies International Inc
Nadia Minato
8535 Eastlake Drive
Burnaby, BC CANADA VSA 4T7
Phone :(604) 421-3620
Fax: (604) 420-3616

Analysis	Version	Analyte List
24B0327-01 Batch # 22755/sample #1 [Solid] Sampled 22-Jan-2024 11:00 (GMT-08:00) Pacific Time (US & Canada)		
SPLP 1312	N/A	
24B0327-02 Batch # 22746/sample #1 [Solid] Sampled 22-Jan-2024 14:00 (GMT-08:00) Pacific Time (US & Canada)		
SPLP 1312	N/A	
24B0327-03 Batch # 22669/sample #1 [Solid] Sampled 22-Jan-2024 17:00 (GMT-08:00) Pacific Time (US & Canada)		
SPLP 1312	N/A	
24B0327-04 Batch # 22659/sample #1 [Solid] Sampled 22-Jan-2024 20:00 (GMT-08:00) Pacific Time (US & Canada)		
SPLP 1312	N/A	
24B0327-05 Batch # 21020/sample #1 [Solid] Sampled 22-Jan-2024 11:00 (GMT-08:00) Pacific Time (US & Canada)		
SPLP 1312	N/A	
24B0327-06 Batch # 22755/sample #2 [Solid] Sampled 22-Jan-2024 12:00 (GMT-08:00) Pacific Time (US & Canada)		
SPLP 1312	N/A	
24B0327-07 Batch # 22746/sample #2 [Solid] Sampled 22-Jan-2024 15:00 (GMT-08:00) Pacific Time (US & Canada)		
SPLP 1312	N/A	
24B0327-08 Batch # 22669/sample #2 [Solid] Sampled 22-Jan-2024 18:00 (GMT-08:00) Pacific Time (US & Canada)		
SPLP 1312	N/A	
24B0327-09 Batch # 22659/sample #2 [Solid] Sampled 22-Jan-2024 21:00 (GMT-08:00) Pacific Time (US & Canada)		
SPLP 1312	N/A	
24B0327-10 Batch # 21020/sample #2 [Solid] Sampled 22-Jan-2024 12:00 (GMT-08:00) Pacific Time (US & Canada)		
SPLP 1312	N/A	

WORK ORDER SUMMARY

24B0327

Samples will be discarded 90 days after submission of a final report unless other instructions are received.

Client: Target Technologies International Inc **Project Manager:** Shelly Fishel

Project: SPLP No Analysis **Project Number:** SPLP No Analysis 2023-December

Analysis	Version	Analyte List
24B0327-11 Batch # 22755/sample #3 [Solid] Sampled 22-Jan-2024 13:00 (GMT-08:00) Pacific Time (US & Canada)		
SPLP 1312	N/A	
24B0327-12 Batch # 22746/sample #3 [Solid] Sampled 22-Jan-2024 16:00 (GMT-08:00) Pacific Time (US & Canada)		
SPLP 1312	N/A	
24B0327-13 Batch # 22669/sample #3 [Solid] Sampled 22-Jan-2024 19:00 (GMT-08:00) Pacific Time (US & Canada)		
SPLP 1312	N/A	
24B0327-14 Batch # 22659/sample #3 [Solid] Sampled 22-Jan-2024 22:00 (GMT-08:00) Pacific Time (US & Canada)		
SPLP 1312	N/A	
24B0327-15 Batch # 21020/sample #3 [Solid] Sampled 22-Jan-2024 13:00 (GMT-08:00) Pacific Time (US & Canada)		
SPLP 1312	N/A	

Analytical Resources, LLC
Analytical Chemists and Consultants

Cooler Receipt Form

ARI Client: Target Tech. Inc. Project Name: Pro-Max 37 TPE SPLP

COC No(s): _____ (NA) Delivered by: Fed-Ex UPS Courier Hand Delivered Other: _____

Assigned ARI Job No: 24B0327 Tracking No: 1Z662F530402673822 NA

Preliminary Examination Phase:

Were intact, properly signed and dated custody seals attached to the outside of the cooler?	YES	(NO)
Were custody papers included with the cooler?	(YES)	NO
Were custody papers properly filled out (ink, signed, etc.)	(YES)	NO

Temperature of Cooler(s) (°C) (recommended 2.0-6.0 °C for chemistry) 14.9°C

Time 1030

If cooler temperature is out of compliance fill out form 00070F Temp Gun ID#: 90170208

Cooler Accepted by: MM Date: 02/02/24 Time: 1036

Complete custody forms and attach all shipping documents

Log-In Phase:

Was a temperature blank included in the cooler?		YES	(NO)
What kind of packing material was used?	Bubble Wrap Wet Ice Gel Packs (Baggies) Foam Block Paper Other: _____		
Was sufficient ice used (if appropriate)?	NA	YES	(NO)
How were bottles sealed in plastic bags?	Individually	(Grouped)	Not
Did all bottles arrive in good condition (unbroken)?		(YES)	NO
Were all bottle labels complete and legible?		(YES)	NO
Did the number of containers listed on COC match with the number of containers received?		(YES)	NO
Did all bottle labels and tags agree with custody papers?		(YES)	NO
Were all bottles used correct for the requested analyses?		(YES)	NO
Do any of the analyses (bottles) require preservation? (attach preservation sheet, excluding VOCs)	NA	YES	(NO)
Were all VOC vials free of air bubbles?	(NA)	YES	NO
Was sufficient amount of sample sent in each bottle?		(YES)	NO
Date VOC Trip Blank was made at ARI	(NA)		

Were the sample(s) split by ARI? (NA) YES Date/Time: _____ Equipment: _____ Split by: _____

Samples Logged by: KFC Date: 021424 Time: 0942 Labels checked by: KFC

***** Notify Project Manager of discrepancies or concerns *****

Sample ID on Bottle	Sample ID on COC	Sample ID on Bottle	Sample ID on COC

Additional Notes, Discrepancies, & Resolutions: Batch #s on the first page of the WO should be labeled as "Sample #1".

By: Date:

Analytical Resources, LLC
Analytical Chemists and Consultants

Cooler Temperature Compliance Form

ARI Work Order: 24B0327

Cooler#: 1 **Temperature(°C):** 14.9 R

Sample ID	Bottle Count	Bottle Type
Samples received above 6.0°C		

Cooler#: _____ **Temperature(°C):** _____

Sample ID	Bottle Count	Bottle Type

Cooler#: _____ **Temperature(°C):** _____

Sample ID	Bottle Count	Bottle Type

Cooler#: _____ **Temperature(°C):** _____

Sample ID	Bottle Count	Bottle Type

Completed by: MD Date: 02/02/24 Time: 1030

KING COUNTY ENVIRONMENTAL LABORATORY 322 West Ewing Street Seattle, WA 98119

LABORATORY WORK ORDER / CHAIN OF CUSTODY

Project Name: Turf Infill Organization: ARI Project Number: 421195-690

KCEL Sample ID	ARI Sample ID	Matrix	Collect Date/Time			No. of Containers	Notes
L83333-1	24B0327-01	LA	01/22/2024 11:00			1	
L83333-2	24B0327-02	LA	01/22/2024 14:00			1	
L83333-3	24B0327-03	LA	01/22/2024 17:00			1	
L83333-4	24B0327-04	LA	01/22/2024 20:00			1	
L83333-5	24B0327-05	LA	01/22/2024 11:00			1	
L83333-6	24B0327-06	LA	01/22/2024 12:00			1	
L83333-7	24B0327-07	LA	01/22/2024 15:00			1	
L83333-8	24B0327-08	LA	01/22/2024 1800			1	
L83333-9	24B0327-09	LA	01/22/2024 2100			1	
L83333-10	24B0327-10	LA	01/22/2024 1200			1	
L83333-11	24B0327-11	LA	01/22/2024 1300			1	
L83333-12	24B0327-12	LA	01/22/2024 1600			1	
L83333-13	24B0327-13	LA	01/22/2024 1900			1	
L83333-14	24B0327-14	LA	01/22/2024 2200			1	
L83333-15	24B0327-15	LA	01/22/24 1300			1	

Additional Comments: SPLP Leachate blank provided in 500mL AG bottle

RELINQUISHED BY

Signature [signature] Date and Time: 02/20/24 0915

Printed Name Matthews Danner

Organization ARI

RECEIVED BY

Signature [signature] Date and Time: JK 2-21-24 ~~1-21-24~~ 1000

Printed Name Jason Kinnard

Organization King County Environmental Laboratory

Login: L83333
Project: 421195-690

Parks Artificial Turf Characterization

FSU TC: _____
LPM: Fritz Grothkopp

CHAIN OF CUSTODY

Relinquished by	*Date*	*Time*
Received by	*Date* 2-21-24	*Time* 1000
Sample Numbers		*[All]*

Sample Number	**L83333-1**	**L83333-2**	**L83333-3**
QC Link			
Locator	**NONE**	**NONE**	**NONE**
Short Loc Desc	UNKNOWNLOC	UNKNOWNLOC	UNKNOWNLOC
Locator Desc	UNKNOWN LOCATOR	UNKNOWN LOCATOR	UNKNOWN LOCATOR
Site	NONE	NONE	NONE
Comments			
Start Date/Time	01-22-2024	01-22-2024	01-22-2024
End Date/Time			
Time Span			
Sample Depth			
CLIENT LOC			
Dept, Matrix, Prod (Cont ID)	4 LA 6PPDQ (43)	4 LA 6PPDQ (43)	4 LA 6PPDQ (43)

Sample Number	**L83333-4**	**L83333-5**	**L83333-6**
QC Link			
Locator	**NONE**	**NONE**	**NONE**
Short Loc Desc	UNKNOWNLOC	UNKNOWNLOC	UNKNOWNLOC
Locator Desc	UNKNOWN LOCATOR	UNKNOWN LOCATOR	UNKNOWN LOCATOR
Site	NONE	NONE	NONE
Comments			
Start Date/Time	01-22-2024	01-22-2024	01-22-2024
End Date/Time			
Time Span			
Sample Depth			
CLIENT LOC			
Dept, Matrix, Prod (Cont ID)	4 LA 6PPDQ (43)	4 LA 6PPDQ (43)	4 LA 6PPDQ (43)

Sample Number	**L83333-7**	**L83333-8**	**L83333-9**
QC Link			
Locator	**NONE**	**NONE**	**NONE**
Short Loc Desc	UNKNOWNLOC	UNKNOWNLOC	UNKNOWNLOC
Locator Desc	UNKNOWN LOCATOR	UNKNOWN LOCATOR	UNKNOWN LOCATOR
Site	NONE	NONE	NONE
Comments			
Start Date/Time	01-22-2024	01-22-2024	01-22-2024
End Date/Time			
Time Span			
Sample Depth			
CLIENT LOC			
Dept, Matrix, Prod (Cont ID)	4 LA 6PPDQ (43)	4 LA 6PPDQ (43)	4 LA 6PPDQ (43)

Sample Number	**L83333-10**	**L83333-11**	**L83333-12**
QC Link			
Locator	**NONE**	**NONE**	**NONE**
Short Loc Desc	UNKNOWNLOC	UNKNOWNLOC	UNKNOWNLOC
Locator Desc	UNKNOWN LOCATOR	UNKNOWN LOCATOR	UNKNOWN LOCATOR
Site	NONE	NONE	NONE
Comments			
Start Date/Time	01-22-2024	01-22-2024	01-22-2024
End Date/Time			
Time Span			
Sample Depth			
CLIENT LOC			
Dept, Matrix, Prod (Cont ID)	4 LA 6PPDQ (43)	4 LA 6PPDQ (43)	4 LA 6PPDQ (43)

Sample Number	**L83333-13**	**L83333-14**	**L83333-15**
QC Link			
Locator	**NONE**	**NONE**	**NONE**
Short Loc Desc	UNKNOWNLOC	UNKNOWNLOC	UNKNOWNLOC
Locator Desc	UNKNOWN LOCATOR	UNKNOWN LOCATOR	UNKNOWN LOCATOR
Site	NONE	NONE	NONE
Comments			
Start Date/Time	01-22-2024	01-22-2024	01-22-2024
End Date/Time			
Time Span			
Sample Depth			
CLIENT LOC			
Dept, Matrix, Prod (Cont ID)	4 LA 6PPDQ (43)	4 LA 6PPDQ (43)	4 LA 6PPDQ (43)

Login: P83333 **Parks Artificial Turf Characterization** **FSU TC: _____**

Project: 421195-690 **LPM: Fritz Grothkopp**

CHAIN OF CUSTODY

	Relinquished by	***Date***	***Time***
	Received by	***Date***	***Time***
	Sample Numbers		***[All]***

Sample Number	**P83333-16**		
QC Link			
Locator	**NONE**		
Short Loc Desc	UNKNOWNLOC		
Locator Desc	UNKNOWN LOCATOR		
Site	NONE		
Comments			
Start Date/Time			
End Date/Time			
Time Span			
Sample Depth			
CLIENT LOC			
Dept, Matrix, Prod (Cont ID)	4 LA 6PPDQ (43)		

LIQUID SAMPLE RECEIPT RECORD

Login Number(s): 83333-(1-16)	Project No.: 421195690	Sub-Contracting: Y / (N)	List Product(s):
Collect Date(s): 1-22-24	Receive Date: 2-21-24	Changes: Y (N)	List Parameter(s):

SAMPLE RECEIPT CONDITIONS

CONDITION	Acceptable?	Comment ID	CONDITION	Acceptable?	Comment ID
Labels / Fieldsheets	Y / N		Volumes	Y / N	
Container	Y / N		Holding Times	Y / N	
Temperature (w/ ice)	Y / N / NA		Delivery Location	Y / N	

BOTTLE COUNT (#) AND DESCRIPTION and SAMPLE NUMBERS

#	Bottle Description: Sample Numbers
	40 mL clear vial (VOA):
	60 mL clear glass (PHYTO):
	60 mL CWM HDPE:
	125 mL AWM HDPE:
	125 mL CNM HDPE:
	125 mL CWM HDPE:
	125 mL GANM:
	125 mL GANM w/HCl
	250 mL AWM HDPE:
	250 mL CWM HDPE:
	250 mL CWM HDPE (MICRO):
15	250 mL GAWM: 1-15
	250 mL GAWM w/ H2SO4:
	300 mL WDO (8 hour HT):
	500 mL AWM HDPE:
	500 mL CWM HDPE:
	500 mL CWM PP (MICRO):
	500 mL HDPE (METALS):
	500 mL HDPE, double-bagged (METALS):
	500 mL Teflon (Hg):
	500 mL Teflon, double-bagged (METALS):
1	500 mL GANM / GAWM: Blank (-16)
	500 mL Polystyrene Filtration Units (METALS):
	1L AWM HDPE:
	1L CWM HDPE:
	1L CWM PP (MICRO):
	1L GANM:
	1L GCWM:
	1L GAWM w/ H_2SO_4:
	2L CWM HDPE:
	Other:

COMMENTS / NOTIFICATIONS

FIELD PRESERVATION CHECKLIST (Circle and/or check applicable selections)

PRODUCT / Preservation	SM Action	Acceptable?	Corrective Action
BNA / pH 6 - 9 w/ H_2SO_4 or NaOH	√ field sheet for F. pH	Y / N	☐ Notify ORG
CN / pH > 12 w/ NaOH within 15 min	☐ Check pH	Y / N	☐ Deliver to CONV
NO23 pH < 2 w/ H_2SO_4	☐ Check pH	Y / N / NA	☐ Preserve by SM
CR(VI) / TOTCR(VI) / pH 9.3 - 9.7 w/ NaOH w/in 15 min	√ field sheet for pH	Y / N	☐ Deliver to CONV
ICP / HG-CVAA-M / pH < 2 w/ HNO_3	☐ Check pH	Y / N	☐ Preserve By SM
O&G / HEM / PHENOL / pH < 2 w/ H_2SO_4	Check documentation	Y / N	☐ Preserve by SM
PHYTOPLANKTON / Lugols	Visually inspect	Y / N	☐ Deliver to MICRO
TKN / COD pH < 2 w/ H_2SO_4 within 15 min	☐ Check pH	Y / N	☐ Preserve By SM
TOC / pH < 2 w/ HCl (NPDES only)	☐ Check pH	Y / N	☐ Preserve By SM
TOTSULFIDE / pH > 9 w/ NaOH, ZnAc	Check documentation	Y / N	☐ Deliver to CONV
WDO / FIXED	Visually inspect	Y / N	☐ Deliver to CONV
Other:			

ROUTINE SM PRESERVATION CHECKLIST (Circle and/or check applicable selections)

PRODUCT / Preservation	SM Action	Acceptable?	Corrective Action
Chlorinated Pesticides / pH 5 - 9 w/ H_2SO_4 or NaOH	√ field sheet for F. pH	Y / N	☐ Adjust pH
HG-CVAA-L-Teflon (T / D) / pH < 2 w/ ULTRA HCl	☐ Preserve & deliver	NA	NA
ICPMS / HG-CVAA-M (T / D) / pH < 2 w/ ULTRA HNO_3	☐ Preserve & deliver	NA	NA
TOC / pH < 2 w/ HCl	☐ Preserve & deliver	NA	NA
Other:			
Other:			

INTERFERENCE TEST (Circle and/or check applicable selections)

Product / Interference (SM Action)	Positive Test?	Treated	Corrective Action
BNA / Chlorine (Check documentation)	Y / N / not tested	Y / N	☐ Deliver to ORG
CN / Chlorine (Check documentation)	Y / N / not tested	Y / N	☐ Deliver to CONV
CN / Sulfide (Check field sheet for DF)	Y / N / not tested	Y / N	☐ Deliver to CONV
VOA / Chlorine (Check documentaion)	Y / N / not tested	Y / N	☐ Deliver to ORG
Other:			

HEADSPACE CHECK

PRODUCT (SM Action)	Check For	Acceptable?	Corrective Action
MICRO (Visually inspect)	Headspace (@ 1")	Y / N	☐ Notify MICRO
TOTSULFIDE (Visually inspect)	Headspace (< 1")	Y / N	☐ Notify CONV
VOA (Visually inspect)	Zero headspace	Y / N	☐ Notify ORG
WDO (Visually inspect)	Zero headspace	Y / N	☐ Notify CONV
Other:			

FIELD FILTRATION CHECKLIST (Circle and/or check applicable selections)

Product (SM Action)	Field Filtered	Field Blank	Corrective Action
ORTHOP (Check Field Sheet)	Y (within 15 min y / n) / N	Y / N	☐ Deliver to CONV
NO2 / NO3 / NO23 / NH3 / SI (Documentation)	Y (within 1 day y / n) / N	Y / N / NA	☐ Deliver to CONV
Dissolved Metals (Check Field Sheet)	Y (within 15 min y / n) / N	Y / N / NA	☐ Deliver to METALS
DOC (Deliver / Notify Unit)	Y (within 15 min or 1 day) / N	Y / N / NA	☐ Deliver to CONV
DCOD / CR(VI) (Deliver / Notify Unit)	Y (within 15 min y / n) / N	Y / N / NA	☐ Deliver to CONV
Other:			
Other:			

CC: ☐ AQUATOX, ☐ CONV, ☐ METALS, ☐ MICRO, ☐ ORG, ☐ _____

NOTES

1. Deliver dissolved Hg-CVAF samples to METALS for filtration.
2. Deliver double-bagged metals samples to METALS for preservation.
3. Do not test pH for preserved BNA and TOTSULFIDE samples.
4. Deliver pH, WDO, and all MICRO samples ASAP to appropriate section for immediate processing.
5. Enter " Time Span" for composite samples during sample login.
6. Split algae sample into 60 mL clear glass if PHYTOQUAL is requested.

SM Signature: _____ Date / Time Completed: FEB 21 '24 10:13