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:

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: 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 Dano	(Signature)	(Signature)
	Printed Name: Patrick Dumelle	Printed Name: Matthew Daniel	Printed Name:	Printed Name:
	Company: Kelly Compounds	Company: ARLLC	Company:	Company:
	Date & Time: 2024-01-31	Date & Time: 02/02/24 1030	Date & Time:	Date & Time:

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