

Ms. Ann DiDonato
U.S. EPA Region 3
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Arcadis U.S., Inc.
1 Harvard Way
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Subject:

Quarterly Progress Report: April through June 2024
Precision National Plating Services, Inc.
Clarks Summit, Pennsylvania
Docket No. CERC-03-2012-0031DC

ELECTRONIC MAIL

ENVIRONMENT

Dear Ms. DiDonato:

On behalf of Precision National Plating Services, Inc. (Precision), Arcadis U.S., Inc. (Arcadis) is submitting this progress report to summarize the activities completed between April 1, 2024 and June 30, 2024. This progress report is being submitted in accordance with Section 8.7 of the Administrative Settlement Agreement and Order on Consent (AS) for Removal Response Action (Docket No. CERC-03-2012-0031DC).

Date:
February 11, 2025

Contact:
Lawrence G. Brunt, PE

Phone:
908.526.1000

Email:
Larry.brun@arcadis.com

Our ref:
30230508.04

1. Response actions completed and the actions that have been taken toward achieving compliance with the Settlement Agreement:

General

Precision and Arcadis worked closely with the U.S. Environmental Protection Agency (U.S. EPA) from April through June 2024 to do the following:

- Precision performed semiannual groundwater and seep monitoring in April 2024 as approved in the RAP.
- Precision performed general site maintenance activities.
- Precision also provided the U.S. EPA and PADEP with available sampling information.

Ongoing Administrative Settlement (AS) Activities

Seep Remediation

- Precision continued the operation of the Seep Shed treatment system.

- The influent and effluent of the Seep Shed Treatment System were sampled on April 12, 2024, for hexavalent chromium and total chromium. The midpoints between the resin beds of the system also were sampled. At the time of sampling, the influent pH was 6.64 su and the temperature was 10.27° C.
- On April 12, 2024, the flow totalizer reading for the Seep Shed Treatment System was 8,073,490 gallons.
- The influent and effluent of the Seep Shed Treatment System were sampled on May 17, 2024, for hexavalent chromium and total chromium. The midpoints between the resin beds of the system were also sampled for hexavalent and total chromium. At the time of sampling, the influent pH was 7.00 su and the temperature was 10.4° C.
- On May 17, 2024, the Seep Shed flow totalizer reading was 8,092,998 gallons.
- The influent and effluent of the Seep Shed Treatment System were sampled on June 21, 2024, for hexavalent chromium and total chromium. The midpoints between the resin beds of the system were also sampled for hexavalent and total chromium. At the time of sampling, the influent pH was 6.68 su and the temperature was 19.7 C.
- On June 21, 2024, the flow totalizer reading for the Seep Shed Treatment System was 8,093,045 gallons.

Lagoon Assessment/Remediation Activities

- Precision continued the operation of the Lagoon Treatment System.
- The influent and system effluent of the Lagoon Treatment System were sampled on April 12, 2024, for hexavalent chromium and TAL metals. The effluent of the lead resin bed was also sampled for hexavalent chromium and total chromium. The pH of the lagoon system influent at the time of sampling was 6.53 su and the temperature was 12.7° C.
- By April 12, 2024, the total volume treated by the Lagoon Treatment System was 42,787,530 gallons.
- The influent and system effluent of the Lagoon Treatment System were sampled on May 17, 2024, for hexavalent chromium and TAL metals. The effluent of the lead resin bed was also sampled for hexavalent chromium and total chromium. The pH of the lagoon system influent at the time of sampling was 7.08 su and the temperature was 11.6° C.
- By May 17, 2024, the total volume treated by the Lagoon Treatment System was 42,997,530 gallons.
- The influent and system effluent of the Lagoon Treatment System were sampled on June 21, 2024, for hexavalent chromium and TAL metals. The effluent of the lead resin bed was also

sampled for hexavalent chromium and total chromium. The pH of the lagoon system influent at the time of sampling was 6.47 su and the temperature was 23.1° C.

- By June 21, 2024, the total volume treated by the Lagoon Treatment System was 43,143,090 gallons.

Semiannual Groundwater and Seep Monitoring

- As approved in the RAP, samples were collected from seeps and monitoring wells on and near the Site in April 2024. Samples were analyzed for hexavalent chromium and total chromium. Analytical results were received from TestAmerica Laboratories and validated. Summaries of the data are attached.

Additional Monitoring

- To supplement the semiannual monitoring and monthly treatment system monitoring, samples were collected from the French Drain Sump and Lagoon Sump on April 12, 2024. Samples were also collected from the Trolley Track Seep on April 5, 2024. Samples were analyzed for hexavalent chromium and total chromium. Analytical results were received from TestAmerica Laboratories and validated. Summaries of the data are attached.

2. Description of all data anticipated, and activities scheduled for the next ninety (90) calendar days:

- Operation of the treatment systems will continue at the site.
- Precision will sample the Lagoon and Seep Shed Treatment systems monthly in July, August, and September 2024. Data is anticipated to be received four weeks after each sampling event.
- Semiannual surface water monitoring is scheduled for July 2024

3. Description of any problems encountered or anticipated:

- None.

4. Any actions taken to prevent or mitigate such problems.

- None.

5. A schedule for completion of such actions:

- Containment and treatment of water in the lagoon will continue as needed.
- Operation of the Seep Shed treatment system will continue as needed.

6. Analytical data received during the reporting period:

- Laboratory data for the samples collected during the April semiannual groundwater monitoring event were received from TestAmerica Laboratories and validated. A summary of the data is attached.
- Laboratory data for the April 12, 2024 sampling of the Seep Shed Treatment System and the Lagoon Treatment System were received from TestAmerica Laboratories and validated. A summary of the data is attached.

Hexavalent chromium was not detected above the laboratory method detection limit in the effluent of the Lagoon Treatment System. Total chromium was detected in the effluent at a concentration of 61.2 ug/L, which does not exceed the MCL of 100 ug/L.

Hexavalent chromium and total chromium were not detected above the laboratory method detection limits in the effluent of the Seep Shed Treatment System

- Laboratory data for the May 17, 2024 sampling of the Lagoon and Seep Shed Treatment Systems were received from TestAmerica Laboratories and validated. A summary of the data is attached.

Hexavalent chromium and total chromium were not detected above the laboratory method detection limits in the effluent of the Lagoon Treatment System.

Hexavalent chromium was not detected above the laboratory method detection limit in the effluent of the Seep Shed Treatment System. Total chromium was detected in the effluent at a concentration of 8.4 ug/L, which does not exceed the MCL of 100 ug/L.

- Laboratory data for the June 21, 2024 sampling of the Lagoon Treatment System and the Seep Shed Treatment System were received from TestAmerica Laboratories and validated. A summary of the data is attached.

Hexavalent chromium was not detected above the laboratory method detection limit in the effluent of the Lagoon Treatment System. Total chromium was detected in the effluent at a concentration of 3.5 ug/L, which does not exceed the MCL of 100 ug/L.

Hexavalent chromium was not detected above the laboratory method detection limit in the effluent of the Seep Shed Treatment System. Total chromium was detected in the effluent at a concentration of 17.2 ug/L, which does not exceed the MCL of 100 ug/L.

7. Modifications to the response action, RAP, and schedule made in accordance with Section XIV of the Settlement Agreement during this reporting period.

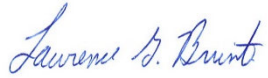
- None.

Ms. Ann DiDonato
U.S. EPA
February 11, 2025

If you have any questions or require additional information, please call me at 908.526.1000.

Sincerely,

Arcadis U.S., Inc.



Lawrence G. Brunt, P.E.
Principal Engineer

Copies:
D. Rood - PADEP

Enclosure

Data Validation Summary

Arcadis U.S., Inc. (Arcadis) performed a level III data validation evaluation of the analytical data collected during the Precision National Plating site investigation. The data evaluation was conducted in accordance with the United States Environmental Protection Agency's (USEPA) Data Validation Functional Guidelines for Evaluating Environmental Analyses, "USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review," dated October 1999, and "USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review," dated October 2004 ("the USEPA Guidance"). The following is a summary of the analytical data review for samples collected and analyzed from April through June 2024. The samples were submitted to TestAmerica Laboratories located in Edison, New Jersey for analysis. The TestAmerica sample delivery groups (SDGs) evaluated for this report include: 460-301170-1, 460-301222-1, 460-301309-1, 460-301408-1, 460-301494-1, 460-301656-1, 460-301743-2, 460-301825-1, 460-301889-1, 460-301973-1, 460-301973-2, 460-302115-1, 460-304159-1, and 460-306312-1.

The samples were analyzed using the following methods:

EPA Method 200.7/200.8 for metals
EPA Method 245.1 for mercury
EPA Method 7196A for hexavalent chromium

The data were evaluated based on the following parameters according to the USEPA Guidance for Level III data validation:

- data completeness
- holding times
- blanks
- duplicates and ICP serial dilution
- matrix spike/matrix spike duplicate/post-digestion spike recoveries (MS/MSD/PDS)
- laboratory control spike/laboratory control spike duplicate recoveries (LCS/LCSD)

A review of the laboratory reports revealed one issue which caused the data to be qualified in addition to the laboratory qualifiers. The laboratory indicated the percent recovery of calcium in the matrix spike was greater than the acceptance criteria (133%) in metals analysis batch 460-976505 which included samples from PNP SDG 460-304159-1. The recovery of calcium was low (69%) in the post-digestion spike analyzed in the batch, and the difference between the initial sample result and the serial dilution result was also greater than the acceptance criteria at 18%. All other QA/QC parameters were in compliance. The sample utilized for the matrix spike, post-digestion spike, and serial dilution analyses was PNP sample Seep Shed Mid (460-301459-5). Therefore, the calcium results for this SDG are qualified as estimated, biased low (see Table 1).

The sample temperature, hold times, calibrations, spike samples, laboratory control samples, duplicates, serial dilutions, and all other laboratory blanks were all within compliance criteria for all other samples.

The following items were noted during the data review:

Several samples from SDG 460-301973-1 were moved to a separate chain of custody, identified as SDG 460-301973-2 and reported separately by the laboratory based on Precision's request. Arcadis also requested corrections to the COC for SDG 460-304159-1 to limit the analyses for TAL metals to only the samples from the Lagoon System Influent and Lagoon System Effluent, while the remaining samples were analyzed for only total chromium. There were no issues identified during the analyses.

The laboratory indicated the percent recoveries of calcium, manganese, and sodium were outside the acceptance criteria in the matrix spike sample analyzed in batch 460-982496, which included samples from PNP SDG 460-306312-1. The percent recovery was calculated as 57% for calcium, 231% for

Data Validation Summary

manganese, and 66% for sodium in the matrix spike analysis of PNP sample Lagoon Effluent (460-306312-3). The post-digestion spike recoveries of calcium and manganese were also lower than the acceptable range. The concentration of each of these metals in the initial sample was greater than four times the spike concentration; therefore, the matrix spike percent recovery criteria do not apply. All other QA/QC parameters were in compliance. Therefore, the calcium, manganese, and sodium results are not qualified based on the matrix spike recoveries.

Summary of Quality Assurance/Quality Control Evaluation of Data

Based upon the QA/QC review, the project data are valid and available for use in site characterization with qualification as shown below.

Table 1
Qualified Data Summary

Sample	Lab ID	SDG	Result	Qualified Result
Lagoon Influent	460-304159-1	460-304159-1	40,500 ug/L (Ca)	40,500 ug/L J (Ca)
Lagoon Effluent	460-304159-3	460-304159-1	37,900 ug/L (Ca)	37,900 ug/L J (Ca)

Notes:

Ca = Calcium

ug/L = micrograms per liter

J = after validation, result is considered estimated

TREATMENT SYSTEM, SEEP AND SUMP MONITORING RESULTS

Eurofins Environment Testing Northeast, LLC

Eurofins Edison

Lab Job ID: 460-304159-1

Job Description: Precision National

Plating

For:

Arcadis U.S., Inc.

1 Harvard Way

Hillsborough, New Jersey 08844

Client ID	Lagoon Influent			Lagoon Post Lead			Lagoon Effluent			Seep Shed Influent			Seep Shed Mid			Seep Shed Effluent		
Lab Sample ID	460-304159-1			460-304159-2			460-304159-3			460-304159-4			460-304159-5			460-304159-6		
Sampling Date	05/17/2024 09:40:00			05/17/2024 09:45:00			05/17/2024 09:50:00			05/17/2024 14:33:00			05/17/2024 14:35:00			05/17/2024 14:38:00		
Matrix	Water			Water			Water			Water			Water			Water		
Unit																		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
WATER BY 200.7 REV 4.4(UG/L)																		
Aluminum	93.1	U	93.1	NR			93.1	U	93.1	NR			NR			NR		
Antimony	7.8	U	7.8	NR			7.8	U	7.8	NR			NR			NR		
Arsenic	3.6	U	3.6	NR			3.6	U	3.6	NR			NR			NR		
Barium	20.9	U	20.9	NR			20.9	U	20.9	NR			NR			NR		
Beryllium	0.35	U	0.35	NR			0.35	U	0.35	NR			NR			NR		
Cadmium	0.31	U	0.31	NR			0.31	U	0.31	NR			NR			NR		
Calcium	40500	(J)	358	NR			37900	(J)	358	NR			NR			NR		
Chromium	28.5		5.7	5.7	U	5.7	5.7	U	5.7	562		5.7	199		5.7	8.4	J	5.7
Cobalt	3.4	U	3.4	NR			3.4	U	3.4	NR			NR			NR		
Copper	6.1	U	6.1	NR			6.1	U	6.1	NR			NR			NR		
Iron	335		76.8	NR			76.8	U	76.8	NR			NR			NR		
Lead	3.1	U	3.1	NR			3.1	U	3.1	NR			NR			NR		
Magnesium	4000	J	329	NR			3750	J	329	NR			NR			NR		
Manganese	326		1.2	NR			213		1.2	NR			NR			NR		
Nickel	32.4	J	3.6	NR			3.6	U	3.6	NR			NR			NR		
Potassium	789	J	492	NR			557	J	492	NR			NR			NR		
Selenium	8.6	U	8.6	NR			8.6	U	8.6	NR			NR			NR		
Silver	5.0	U	5.0	NR			5.0	U	5.0	NR			NR			NR		
Sodium	17800		502	NR			16700		502	NR			NR			NR		
Thallium	5.8	U	5.8	NR			5.8	U	5.8	NR			NR			NR		
Vanadium	3.9	U	3.9	NR			3.9	U	3.9	NR			NR			NR		
Zinc	9.6	J	4.5	NR			4.5	U	4.5	NR			NR			NR		
WATER BY 245.1(UG/L)																		
Mercury	0.091	U	0.091	NR			0.091	U	0.091	NR			NR			NR		

NR: Not Analyzed

J : Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

U : Indicates the analyte was analyzed for but not detected.

Lab Contact:

Grace Chang

Project Manager II

(732)593-2579

Eurofins Environment Testing Northeast, LLC**Eurofins Edison**

Lab Job ID: 460-304159-1

Job Description: Precision National Plating

For:

Arcadis U.S., Inc.

1 Harvard Way

Hillsborough, New Jersey 08844

Client ID	Lagoon Influent			Lagoon Post Lead			Lagoon Effluent			Seep Shed Influent			Seep Shed Mid			Seep Shed Effluent		
Lab Sample ID	460-304159-1			460-304159-2			460-304159-3			460-304159-4			460-304159-5			460-304159-6		
Sampling Date	05/17/2024 09:40:00			05/17/2024 09:45:00			05/17/2024 09:50:00			05/17/2024 14:33:00			05/17/2024 14:35:00			05/17/2024 14:38:00		
Matrix	Water			Water			Water			Water			Water			Water		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
WATER BY 7196A																		
Cr (VI) (ug/l)	8.1	U	8.1	8.1	U	8.1	8.1	U	8.1	138		8.1	8.1	U	8.1	8.1	U	8.1

U : Indicates the analyte was analyzed for but not detected.

Lab Contact:

Grace Chang

Project Manager II

(732)593-2579

Eurofins Environment Testing Northeast, LLC

Eurofins Edison

Lab Job ID: 460-306312-1

Job Description: Precision National

Plating

For:

Arcadis U.S., Inc.

1 Harvard Way

Client ID	Lagoon Influent			Lagoon Post Lead			Lagoon Effluent			SeepShed Influent			SeepShed Mid			SeepShed Effluent		
Lab Sample ID	460-306312-1			460-306312-2			460-306312-3			460-306312-4			460-306312-5			460-306312-6		
Sampling Date	06/21/2024 10:22:00			06/21/2024 10:25:00			06/21/2024 10:28:00			06/21/2024 10:55:00			06/21/2024 10:58:00			06/21/2024 11:01:00		
Matrix	Water			Water			Water			Water			Water			Water		
Unit																		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
WATER BY 200.8(UG/L)																		
Aluminum	134		19.8	NR			19.8	U	19.8	NR			NR			NR		
Antimony	0.65	U	0.65	NR			0.65	U	0.65	NR			NR			NR		
Arsenic	1.5	J	0.66	NR			0.82	J	0.66	NR			NR			NR		
Barium	19.0		1.3	NR			27.6		1.3	NR			NR			NR		
Beryllium	0.23	U	0.23	NR			0.23	U	0.23	NR			NR			NR		
Cadmium	0.54	U	0.54	NR			0.54	U	0.54	NR			NR			NR		
Calcium	31800		86.2	NR			37500		86.2	NR			NR			NR		
Chromium	143		1.4	5.1		1.4	3.5	J	1.4	196		1.4	172		1.4	17.2		1.4
Cobalt	1.9	J	0.48	NR			0.48	U	0.48	NR			NR			NR		
Copper	310		1.1	NR			1.4	J	1.1	NR			NR			NR		
Iron	7460		20.6	NR			272		20.6	NR			NR			NR		
Lead	48.5		0.53	NR			0.53	U	0.53	NR			NR			NR		
Magnesium	3120		34.1	NR			3710		34.1	NR			NR			NR		
Manganese	4300		0.98	NR			18800		2.0	NR			NR			NR		
Nickel	44.8		1.5	NR			1.5	U	1.5	NR			NR			NR		
Potassium	1100		106	NR			1210		106	NR			NR			NR		
Selenium	1.0	U	1.0	NR			1.0	U	1.0	NR			NR			NR		
Silver	0.27	U	0.27	NR			0.27	U	0.27	NR			NR			NR		
Sodium	19500		282	NR			20500		282	NR			NR			NR		
Thallium	0.17	U	0.17	NR			0.17	U	0.17	NR			NR			NR		
Vanadium	1.8	U	1.8	NR			1.8	U	1.8	NR			NR			NR		
Zinc	367		6.6	NR			14.9	J	6.6	NR			NR			NR		
WATER BY 245.1(UG/L)																		
Mercury	0.091	U	0.091	NR			0.091	U	0.091	NR			NR			NR		

NR: Not Analyzed

J : Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

U : Indicates the analyte was analyzed for but not detected.

Lab Contact:

Grace Chang

Project Manager II

Eurofins Environment Testing Northeast, LLC
Eurofins Edison

Lab Job ID: 460-306312-1
Job Description: Precision National Plating
For:
Arcadis U.S., Inc.
1 Harvard Way
Hillsborough, New Jersey 08844

Client ID	Lagoon Influent			Lagoon Post Lead			Lagoon Effluent			SeepShed Influent			SeepShed Mid			SeepShed Effluent		
Lab Sample ID	460-306312-1			460-306312-2			460-306312-3			460-306312-4			460-306312-5			460-306312-6		
Sampling Date	06/21/2024 10:22:00			06/21/2024 10:25:00			06/21/2024 10:28:00			06/21/2024 10:55:00			06/21/2024 10:58:00			06/21/2024 11:01:00		
Matrix	Water			Water			Water			Water			Water			Water		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
WATER BY 7196A																		
Cr (VI) (ug/l)	8.1	U	8.1	8.1	U	8.1	8.1	U	8.1	168		16.3	8.1	U	8.1	8.1	U	8.1

U : Indicates the analyte was analyzed for but not detected.

Lab Contact:
Grace Chang
Project Manager II
(732)593-2579

SEMIANNUAL GROUNDWATER MONITORING RESULTS

Eurofins Environment Testing Northeast, LLC
Eurofins Edison

Lab Job ID: 460-301170-1
Job Description: Precision National Plating
For:
Arcadis U.S., Inc.
1 Harvard Way
Hillsborough, New Jersey 08844

Client ID	OMW-48			MW-48S			MW-42S			OMW-42			MW-42D			MW-43S		
Lab Sample ID	460-301170-1			460-301170-2			460-301170-3			460-301170-4			460-301170-5			460-301170-6		
Sampling Date	04/01/2024 12:37:00			04/01/2024 14:40:00			04/01/2024 13:25:00			04/01/2024 14:50:00			04/01/2024 13:35:00			04/01/2024 15:30:00		
Matrix	Water			Water			Water			Water			Water			Water		
Unit																		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
WATER BY 200.7 REV 4.4(UG/L)																		
Chromium	117		5.7	342		5.7	34.4		5.7	202		5.7	5.7	U	5.7	88.4		5.7

U : Indicates the analyte was analyzed for but not detected.

Lab Contact:
Grace Chang
Project Manager II
(732)593-2579

Eurofins Environment Testing Northeast, LLC
Eurofins Edison

Lab Job ID: 460-301170-1
Job Description: Precision National Plating
For:
Arcadis U.S., Inc.
1 Harvard Way
Hillsborough, New Jersey 08844

Client ID	OMW-48			MW-48S			MW-42S			OMW-42			MW-42D			MW-43S		
Lab Sample ID	460-301170-1			460-301170-2			460-301170-3			460-301170-4			460-301170-5			460-301170-6		
Sampling Date	04/01/2024 12:37:00			04/01/2024 14:40:00			04/01/2024 13:25:00			04/01/2024 14:50:00			04/01/2024 13:35:00			04/01/2024 15:30:00		
Matrix	Water			Water			Water			Water			Water			Water		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
WATER BY 7196A																		
Cr (VI) (ug/l)	48.9	J	40.7	16.3	U	16.3	40.7	U	40.7	179		8.1	8.1	U	8.1	73.6		8.1

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

Lab Contact:
Grace Chang
Project Manager II
(732)593-2579

Eurofins Environment Testing Northeast, LLC
Eurofins Edison

Lab Job ID: 460-301222-1

Job Description: Precision National

Plating

For:

Arcadis U.S., Inc.

1 Harvard Way

Hillsborough, New Jersey 08844

Client ID	MW-45S			OMW-45			MW-38S			MW-41D			OMW-41			OMW-40		
Lab Sample ID	460-301222-1			460-301222-2			460-301222-3			460-301222-4			460-301222-5			460-301222-6		
Sampling Date	04/02/2024 10:30:00			04/02/2024 11:20:00			04/02/2024 15:35:00			04/02/2024 11:20:00			04/02/2024 13:50:00			04/02/2024 15:00:00		
Matrix	Water			Water			Water			Water			Water			Water		
Unit																		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
WATER BY 200.7 REV																		
Chromium	76.1		5.7	14.5		5.7	5.7	U	5.7	5.7	U	5.7	195		5.7	215		5.7

U : Indicates the analyte was analyzed for but not detected.

Lab Contact:
Grace Chang
Project Manager II
(732)593-2579

Eurofins Environmer
Eurofins Edison

Lab Job ID: 460-301222-1

Job Description: Precision N:

Plating

For:

Arcadis U.S., Inc.

1 Harvard Way

Hillsborough, New Jersey 08

Client ID	OMW-47			OMW-46			MW-46S		
Lab Sample ID	460-301222-7			460-301222-8			460-301222-9		
Sampling Date	04/02/2024 10:30:00			04/02/2024 12:35:00			04/02/2024 14:15:00		
Matrix	Water			Water			Water		
Unit									
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
WATER BY 200.7 REV									
Chromium	180		5.7	130		5.7	241		5.7

U : Indicates the analyte was analyzed for but not detected.

Lab Contact:

Grace Chang

Project Manager II

(732)593-2579

Eurofins Environment Testing Northeast, LLC**Eurofins Edison**

Lab Job ID: 460-301222-1

Job Description: Precision National

Plating

For:

Arcadis U.S., Inc.

1 Harvard Way

Hillsborough, New Jersey 08844

Client ID	MW-45S			OMW-45			MW-38S			MW-41D			OMW-41			OMW-40		
Lab Sample ID	460-301222-1			460-301222-2			460-301222-3			460-301222-4			460-301222-5			460-301222-6		
Sampling Date	04/02/2024 10:30:00			04/02/2024 11:20:00			04/02/2024 15:35:00			04/02/2024 11:20:00			04/02/2024 13:50:00			04/02/2024 15:00:00		
Matrix	Water			Water			Water			Water			Water			Water		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
WATER BY 7196A																		
Cr (VI) (ug/l)	61.8		8.1	8.1	U	8.1	8.1	U	8.1	8.1	U	8.1	187		8.1	205		16.3

U : Indicates the analyte was analyzed for but not detected.

Lab Contact:

Grace Chang

Project Manager II

(732)593-2579

Eurofins Environr
Eurofins Edison

Lab Job ID: 460-301222-1

Job Description: Precision

Plating

For:

Arcadis U.S., Inc.

1 Harvard Way

Hillsborough, New Jersey

Client ID	OMW-47			OMW-46			MW-46S		
Lab Sample ID	460-301222-7			460-301222-8			460-301222-9		
Sampling Date	04/02/2024 10:30:00			04/02/2024 12:35:00			04/02/2024 14:15:00		
Matrix	Water			Water			Water		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
WATER BY 7196A									
Cr (VI) (ug/l)	166		8.1	133		16.3	407	U	407

U : Indicates the analyte was

Lab Contact:

Grace Chang

Project Manager II

(732)593-2579

Eurofins Environment Testing Northeast, LLC
Eurofins Edison

Lab Job ID: 460-301309-1

Job Description: Precision National

Plating

For:

Arcadis U.S., Inc.

1 Harvard Way

Hillsborough, New Jersey 08844

Client ID	MW-38I			MW-40I			MW-40D			OMW-38			MW-43D			MW-44S		
Lab Sample ID	460-301309-1			460-301309-2			460-301309-3			460-301309-4			460-301309-5			460-301309-6		
Sampling Date	04/03/2024 10:15:00			04/03/2024 11:00:00			04/03/2024 12:00:00			04/03/2024 12:45:00			04/03/2024 13:10:00			04/03/2024 14:20:00		
Matrix	Water			Water			Water			Water			Water			Water		
Unit																		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
WATER BY 200.7 REV																		
Chromium	5.7	U	5.7	143		5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7

J : Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

U : Indicates the analyte was analyzed for but not detected.

Lab Contact:

Grace Chang

Project Manager II

(732)593-2579

Eurofins Environme
Eurofins Edison

Lab Job ID: 460-301309-1
Job Description: Precision N:
Plating
For:
Arcadis U.S., Inc.
1 Harvard Way
Hillsborough, New Jersey 08

Client ID	MW-15S			MW-9S			OMW-44			MW-9IA			MW-9IB			MW-9D			OMW-15		
Lab Sample ID	460-301309-7			460-301309-8			460-301309-9			460-301309-10			460-301309-11			460-301309-12			460-301309-13		
Sampling Date	04/03/2024 11:35:00			04/03/2024 13:20:00			04/03/2024 15:05:00			04/03/2024 15:10:00			04/03/2024 15:40:00			04/03/2024 14:45:00			04/03/2024 14:20:00		
Matrix	Water			Water			Water			Water			Water			Water			Water		
Unit																					
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
WATER BY 200.7 REV																					
Chromium	137		5.7	199		5.7	9.9	J	5.7	6.7	J	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7

J : Result is less than the RL but |
U : Indicates the analyte was an

Lab Contact:
Grace Chang
Project Manager II
(732)593-2579

Eurofins Environment Testing Northeast, LLC
Eurofins Edison

Lab Job ID: 460-301309-1

Job Description: Precision National

Plating

For:

Arcadis U.S., Inc.

1 Harvard Way

Hillsborough, New Jersey 08844

Client ID	MW-38I			MW-40I			MW-40D			OMW-38			MW-43D			MW-44S			MW-15S		
Lab Sample ID	460-301309-1			460-301309-2			460-301309-3			460-301309-4			460-301309-5			460-301309-6			460-301309-7		
Sampling Date	04/03/2024 10:15:00			04/03/2024 11:00:00			04/03/2024 12:00:00			04/03/2024 12:45:00			04/03/2024 13:10:00			04/03/2024 14:20:00			04/03/2024 11:35:00		
Matrix	Water			Water			Water			Water			Water			Water			Water		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
WATER BY 7196A																					
Cr (VI) (ug/l)	8.1	U	8.1	60.0		8.1	8.1	U	8.1	8.1	U	8.1	8.1	U	8.1	8.1	U	8.1	69.8		8.1

U : Indicates the analyte was analyzed for but not detected.

Lab Contact:
 Grace Chang
 Project Manager II
 (732)593-2579

Eurofins Enviror
Eurofins Edison

Lab Job ID: 460-301309

Job Description: Preci

Plating

For:

Arcadis U.S., Inc.

1 Harvard Way

Hillsborough, New Jers

Client ID	MW-9S			OMW-44			MW-9IA			MW-9IB			MW-9D			OMW-15		
Lab Sample ID	460-301309-8			460-301309-9			460-301309-10			460-301309-11			460-301309-12			460-301309-13		
Sampling Date	04/03/2024 13:20:00			04/03/2024 15:05:00			04/03/2024 15:10:00			04/03/2024 15:40:00			04/03/2024 14:45:00			04/03/2024 14:20:00		
Matrix	Water			Water			Water			Water			Water			Water		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
WATER BY 7196A																		
Cr (VI) (ug/l)	183		16.3	8.1	U	8.1	8.1	U	8.1	8.1	U	8.1	8.1	U	8.1	8.1	U	8.1

U : Indicates the analyte w

Lab Contact:

Grace Chang

Project Manager II

(732)593-2579

Eurofins Environment Testing Northeast, LLC
Eurofins Edison

Lab Job ID: 460-301408-1

Job Description: Precision National Plating

For:

Arcadis U.S., Inc.

1 Harvard Way

Hillsborough, New Jersey 08844

Client ID	MW-25			MW-30			MW-B01-S			MW-23			MW-B01-D			OMW-11		
Lab Sample ID	460-301408-1			460-301408-2			460-301408-3			460-301408-4			460-301408-5			460-301408-6		
Sampling Date	04/04/2024 09:20:00			04/04/2024 09:45:00			04/04/2024 09:50:00			04/04/2024 11:20:00			04/04/2024 11:20:00			04/04/2024 11:30:00		
Matrix	Water			Water			Water			Water			Water			Water		
Unit																		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
WATER BY 200.7 REV 4.4(UG/L)																		
Chromium	5.7	U	5.7	5.7	U	5.7	11.7		5.7	7.7	J	5.7	81.1		5.7	5.7	U	5.7

J : Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

U : Indicates the analyte was analyzed for but not detected.

Lab Contact:

Grace Chang

Project Manager II

(732)593-2579

Eurofins Environment
Eurofins Edison

Lab Job ID: 460-301408-1

Job Description: Precision Natic

For:

Arcadis U.S., Inc.

1 Harvard Way

Hillsborough, New Jersey 08844

Client ID	OMW-24			SB-1			SB-2			OMW-13			OMW-18		
Lab Sample ID	460-301408-7			460-301408-8			460-301408-9			460-301408-10			460-301408-11		
Sampling Date	04/04/2024 12:48:00			04/04/2024 13:00:00			04/04/2024 14:00:00			04/04/2024 14:50:00			04/04/2024 15:35:00		
Matrix	Water			Water			Water			Water			Water		
Unit															
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
WATER BY 200.7 REV 4.4(UG/L)															
Chromium	58.4		5.7	68.4		5.7	525		5.7	5.7	U	5.7	5.7	U	5.7

J : Result is less than the RL but greater than the MDL

U : Indicates the analyte was analyzed

Lab Contact:

Grace Chang

Project Manager II

(732)593-2579

Eurofins Environment Testing Northeast, LLC
Eurofins Edison

Lab Job ID: 460-301408-1

Job Description: Precision National Plating

For:

Arcadis U.S., Inc.

1 Harvard Way

Hillsborough, New Jersey 08844

Client ID	MW-25			MW-30			MW-B01-S			MW-23			MW-B01-D			OMW-11		
Lab Sample ID	460-301408-1			460-301408-2			460-301408-3			460-301408-4			460-301408-5			460-301408-6		
Sampling Date	04/04/2024 09:20:00			04/04/2024 09:45:00			04/04/2024 09:50:00			04/04/2024 11:20:00			04/04/2024 11:20:00			04/04/2024 11:30:00		
Matrix	Water			Water			Water			Water			Water			Water		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
WATER BY 7196A																		
Cr (VI) (ug/l)	8.1	U	8.1	8.1	U	8.1	8.1	U	8.1	8.1	U	8.1	8.1	U	8.1	8.1	U	8.1

U : Indicates the analyte was analyzed for but not detected.

Lab Contact:
 Grace Chang
 Project Manager II
 (732)593-2579

Eurofins Environment
Eurofins Edison

Lab Job ID: 460-301408-1

Job Description: Precision Natio

For:

Arcadis U.S., Inc.

1 Harvard Way

Hillsborough, New Jersey 0884

Client ID	OMW-24			SB-1			SB-2			OMW-13			OMW-18		
Lab Sample ID	460-301408-7			460-301408-8			460-301408-9			460-301408-10			460-301408-11		
Sampling Date	04/04/2024 12:48:00			04/04/2024 13:00:00			04/04/2024 14:00:00			04/04/2024 14:50:00			04/04/2024 15:35:00		
Matrix	Water			Water			Water			Water			Water		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
WATER BY 7196A															
Cr (VI) (ug/l)	53.5		8.1	8.1	U	8.1	8.1	U	8.1	8.1	U	8.1	8.1	U	8.1

U : Indicates the analyte was analy;

Lab Contact:
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Eurofins Environment Testing Northeast, LLC**Eurofins Edison**

Lab Job ID: 460-301494-1

Job Description: Precision National

Plating

For:

Arcadis U.S., Inc.

1 Harvard Way

Hillsborough, New Jersey 08844

Client ID	Bathtub Seep			Cinderblock Seep			Trolley Track Seep			MW-32S			MW-32I			MW-36S			MW-CS		
Lab Sample ID	460-301494-1			460-301494-2			460-301494-3			460-301494-4			460-301494-5			460-301494-6			460-301494-7		
Sampling Date	04/05/2024 11:05:00			04/05/2024 11:20:00			04/05/2024 11:40:00			04/05/2024 10:05:00			04/05/2024 11:45:00			04/05/2024 11:45:00			04/05/2024 13:35:00		
Matrix	Water			Water			Water			Water			Water			Water			Water		
Unit																					
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
WATER BY 200.7 REV																					
Chromium	121		5.7	348		5.7	190		5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7

U : Indicates the analyte was analyzed for but not detected.

Lab Contact:

Grace Chang

Project Manager II

(732)593-2579

Eurofins Environment Testing Northeast, LLC
Eurofins Edison

Lab Job ID: 460-301494-1

Job Description: Precision National

Plating

For:

Arcadis U.S., Inc.

1 Harvard Way

Hillsborough, New Jersey 08844

Client ID	Bathtub Seep			Cinderblock Seep			Trolley Track Seep			MW-32S			MW-32I			MW-36S			MW-CS		
Lab Sample ID	460-301494-1			460-301494-2			460-301494-3			460-301494-4			460-301494-5			460-301494-6			460-301494-7		
Sampling Date	04/05/2024 11:05:00			04/05/2024 11:20:00			04/05/2024 11:40:00			04/05/2024 10:05:00			04/05/2024 11:45:00			04/05/2024 11:45:00			04/05/2024 13:35:00		
Matrix	Water			Water			Water			Water			Water			Water			Water		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
WATER BY 7196A																					
Cr (VI) (ug/l)	8.1	U	8.1	145		40.7	115		16.3	8.1	U	8.1	8.1	U	8.1	8.1	U	8.1	8.1	U	8.1

U : Indicates the analyte was analyzed for but not detected.

Lab Contact:

Grace Chang

Project Manager II

(732)593-2579

Eurofins Environment Testing Northeast, LLC**Eurofins Edison**

Lab Job ID: 460-301656-1

Job Description: Precision National Plating

For:

Arcadis U.S., Inc.

1 Harvard Way

Hillsborough, New Jersey 08844

Client ID	OMW-39			MW-39S			MW-14S			AGM-5I			AGM-5S		
Lab Sample ID	460-301656-1			460-301656-2			460-301656-3			460-301656-4			460-301656-5		
Sampling Date	04/08/2024 11:15:00			04/08/2024 12:25:00			04/08/2024 11:35:00			04/08/2024 12:51:00			04/08/2024 14:08:00		
Matrix	Water			Water			Water			Water			Water		
Unit															
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
WATER BY 200.7 REV 4.4(UG/L)															
Chromium	6.3	J	5.7	7.1	J	5.7	69.7		5.7	5.7	U	5.7	5.7	U	5.7

J : Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

U : Indicates the analyte was analyzed for but not detected.

Lab Contact:

Grace Chang

Project Manager II

(732)593-2579

Eurofins Environment Testing Northeast, LLC**Eurofins Edison**

Lab Job ID: 460-301656-1

Job Description: Precision National Plating

For:

Arcadis U.S., Inc.

1 Harvard Way

Hillsborough, New Jersey 08844

Client ID	OMW-39			MW-39S			MW-14S			AGM-5I			AGM-5S		
Lab Sample ID	460-301656-1			460-301656-2			460-301656-3			460-301656-4			460-301656-5		
Sampling Date	04/08/2024 11:15:00			04/08/2024 12:25:00			04/08/2024 11:35:00			04/08/2024 12:51:00			04/08/2024 14:08:00		
Matrix	Water			Water			Water			Water			Water		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
WATER BY 7196A															
Cr (VI) (ug/l)	8.1	U	8.1	8.1	U	8.1	67.6		8.1	8.1	U	8.1	8.1	U	8.1

U : Indicates the analyte was analyzed for but not detected.

Lab Contact:

Grace Chang

Project Manager II

(732)593-2579

Eurofins Environment Testing Northeast, LLC
Eurofins Edison

Lab Job ID: 460-301743-1

Job Description: Precision National Plating

For:

Arcadis U.S., Inc.

1 Harvard Way

Hillsborough, New Jersey 08844

Client ID	OMW-28			OMW-29			AGM-2S			OMW-27			MW-16S			AGM-2I		
Lab Sample ID	460-301743-1			460-301743-2			460-301743-3			460-301743-4			460-301743-5			460-301743-6		
Sampling Date	04/09/2024 11:42:00			04/09/2024 12:43:00			04/09/2024 10:35:00			04/09/2024 12:45:00			04/09/2024 12:30:00			04/09/2024 10:15:00		
Matrix	Water			Water			Water			Water			Water			Water		
Unit																		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
WATER BY 200.7 REV 4.4(UG/L)																		
Chromium	347		115	537		115	23.1		5.7	242		5.7	5.7	U	5.7	5.7	U	5.7

Highlighted Concentrations shown in bold type face exceed limits

U : Indicates the analyte was analyzed for but not detected.

Lab Contact:

Grace Chang

Project Manager II

(732)593-2579

Eurofins Environment
Eurofins Edison

Lab Job ID: 460-301743-1

Job Description: Precision Natio

For:

Arcadis U.S., Inc.

1 Harvard Way

Hillsborough, New Jersey 08844

Client ID	AGM-3I									AGM-4S			OMW-50		
Lab Sample ID	460-301743-7			460-301743-8			460-301743-9			460-301743-10			460-301743-11		
Sampling Date	04/09/2024 12:45:00			04/09/2024 14:30:00			04/09/2024 14:50:00			04/09/2024 15:05:00			04/09/2024 15:24:00		
Matrix	Water			Water			Water			Water			Water		
Unit															
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
WATER BY 200.7 REV 4.4(UG/L)															
Chromium	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	27.8		5.7

Highlighted Concentrations shown i

U : Indicates the analyte was analyz

Lab Contact:

Grace Chang

Project Manager II

(732)593-2579

Eurofins Environment Testing Northeast, LLC
Eurofins Edison

Lab Job ID: 460-301743-1

Job Description: Precision National Plating

For:

Arcadis U.S., Inc.

1 Harvard Way

Hillsborough, New Jersey 08844

Client ID	OMW-28			OMW-29			AGM-2S			OMW-27			MW-16S			AGM-2I		
Lab Sample ID	460-301743-1			460-301743-2			460-301743-3			460-301743-4			460-301743-5			460-301743-6		
Sampling Date	04/09/2024 11:42:00			04/09/2024 12:43:00			04/09/2024 10:35:00			04/09/2024 12:45:00			04/09/2024 12:30:00			04/09/2024 10:15:00		
Matrix	Water			Water			Water			Water			Water			Water		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
WATER BY 7196A																		
Cr (VI) (ug/l)	8.1	U	8.1	163	U	163	16.9		8.1	16.3	U	16.3	8.1	U	8.1	8.1	U	8.1

U : Indicates the analyte was analyzed for but not detected.

Lab Contact:

Grace Chang

Project Manager II

(732)593-2579

Eurofins Environment Te
Eurofins Edison

Lab Job ID: 460-301743-1

Job Description: Precision National

For:

Arcadis U.S., Inc.

1 Harvard Way

Hillsborough, New Jersey 08844

Client ID	AGM-3I			RES-1			RES-2			AGM-4S			OMW-50		
Lab Sample ID	460-301743-7			460-301743-8			460-301743-9			460-301743-10			460-301743-11		
Sampling Date	04/09/2024 12:45:00			04/09/2024 14:30:00			04/09/2024 14:50:00			04/09/2024 15:05:00			04/09/2024 15:24:00		
Matrix	Water			Water			Water			Water			Water		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
WATER BY 7196A															
Cr (VI) (ug/l)	8.1	U	8.1	8.1	U	8.1	8.1	U	8.1	8.1	U	8.1	8.1	U	8.1

U : Indicates the analyte was analyzed

Lab Contact:

Grace Chang

Project Manager II

(732)593-2579

Eurofins Environment Testing Northeast, LLC
Eurofins Edison

Lab Job ID: 460-301825-1

Job Description: Precision National Plating

For:

Arcadis U.S., Inc.

1 Harvard Way

Hillsborough, New Jersey 08844

Client ID	MW-49S			AGM-4I			OMW-49			MW-CI			MW-31I			MW-26S		
Lab Sample ID	460-301825-1			460-301825-2			460-301825-3			460-301825-4			460-301825-5			460-301825-6		
Sampling Date	04/10/2024 09:21:00			04/10/2024 09:10:00			04/10/2024 10:25:00			04/10/2024 11:05:00			04/10/2024 13:20:00			04/10/2024 13:00:00		
Matrix	Water			Water			Water			Water			Water			Water		
Unit																		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
WATER BY 200.7 REV 4.4(UG/L)																		
Chromium	5.7	U	5.7	5.7	U	5.7	70.3		5.7	5.7	U	5.7	9.4	J	5.7	6.2	J	5.7

J : Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

U : Indicates the analyte was analyzed for but not detected.

Lab Contact:

Grace Chang

Project Manager II

(732)593-2579

Eurofins Environment 1
Eurofins Edison

Lab Job ID: 460-301825-1
 Job Description: Precision Natio
 For:
 Arcadis U.S., Inc.
 1 Harvard Way
 Hillsborough, New Jersey 08844

Client ID	OMW-26			MW-26			OMW-2			MW-24			MW-29		
Lab Sample ID	460-301825-7			460-301825-8			460-301825-9			460-301825-10			460-301825-11		
Sampling Date	04/10/2024 12:45:00			04/10/2024 14:15:00			04/10/2024 15:05:00			04/10/2024 11:15:00			04/10/2024 15:22:00		
Matrix	Water			Water			Water			Water			Water		
Unit															
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
WATER BY 200.7 REV 4.4(UG/L)															
Chromium	29.2		5.7	5.7	U	5.7	16.3		5.7	37.6		5.7	503		5.7

J : Result is less than the RL but grea
 U : Indicates the analyte was analyzi

Lab Contact:
 Grace Chang
 Project Manager II
 (732)593-2579

Eurofins Environment Testing Northeast, LLC
Eurofins Edison

Lab Job ID: 460-301825-1

Job Description: Precision National Plating

For:

Arcadis U.S., Inc.

1 Harvard Way

Hillsborough, New Jersey 08844

Client ID	MW-49S			AGM-4I			OMW-49			MW-CI			MW-31I			MW-26S		
Lab Sample ID	460-301825-1			460-301825-2			460-301825-3			460-301825-4			460-301825-5			460-301825-6		
Sampling Date	04/10/2024 09:21:00			04/10/2024 09:10:00			04/10/2024 10:25:00			04/10/2024 11:05:00			04/10/2024 13:20:00			04/10/2024 13:00:00		
Matrix	Water			Water			Water			Water			Water			Water		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
WATER BY 7196A																		
Cr (VI) (ug/l)	8.1	U	8.1	8.1	U	8.1	43.6		8.1	8.1	U	8.1	8.1	U	8.1	8.1	U	8.1

U : Indicates the analyte was analyzed for but not detected.

Lab Contact:

Grace Chang

Project Manager II

(732)593-2579

Eurofins Environment Te
Eurofins Edison

Lab Job ID: 460-301825-1

Job Description: Precision National

For:

Arcadis U.S., Inc.

1 Harvard Way

Hillsborough, New Jersey 08844

Client ID	OMW-26			MW-26I			OMW-2			MW-24			MW-29		
Lab Sample ID	460-301825-7			460-301825-8			460-301825-9			460-301825-10			460-301825-11		
Sampling Date	04/10/2024 12:45:00			04/10/2024 14:15:00			04/10/2024 15:05:00			04/10/2024 11:15:00			04/10/2024 15:22:00		
Matrix	Water			Water			Water			Water			Water		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
WATER BY 7196A															
Cr (VI) (ug/l)	8.1	U	8.1	8.1	U	8.1	12.9		8.1	17.3		8.1	40.7	U	40.7

U : Indicates the analyte was analyzed

Lab Contact:

Grace Chang

Project Manager II

(732)593-2579

Eurofins Environment Testing Northeast, LLC
Eurofins Edison

Lab Job ID: 460-301889-1

Job Description: Precision National Plating

For:

Arcadis U.S., Inc.

1 Harvard Way

Hillsborough, New Jersey 08844

Client ID	MW-10I			MW-11I			MW-12S			OMW-23			MW-10S			MW-12I		
Lab Sample ID	460-301889-1			460-301889-2			460-301889-3			460-301889-4			460-301889-5			460-301889-6		
Sampling Date	04/11/2024 09:05:00			04/11/2024 09:33:00			04/11/2024 08:15:00			04/11/2024 08:30:00			04/11/2024 10:05:00			04/11/2024 10:15:00		
Matrix	Water			Water			Water			Water			Water			Water		
Unit																		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
WATER BY 200.7 REV 4.4(UG/L)																		
Chromium	38.6		5.7	392		5.7	6.4	J	5.7	21.4		5.7	381		5.7	146		5.7

J : Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

U : Indicates the analyte was analyzed for but not detected.

Lab Contact:

Grace Chang

Project Manager II

(732)593-2579

Eurofins Environment
Eurofins Edison

Lab Job ID: 460-301889-1

Job Description: Precision Nat

For:

Arcadis U.S., Inc.

1 Harvard Way

Hillsborough, New Jersey 088

Client ID	MW-18S			MW-AS			MW-AD			OMW-17			MW-11S			MW-18I		
Lab Sample ID	460-301889-7			460-301889-8			460-301889-9			460-301889-10			460-301889-11			460-301889-12		
Sampling Date	04/11/2024 11:20:00			04/11/2024 11:25:00			04/11/2024 12:25:00			04/11/2024 12:00:00			04/11/2024 13:01:00			04/11/2024 12:35:00		
Matrix	Water			Water			Water			Water			Water			Water		
Unit																		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
WATER BY 200.7 REV 4.4(UG/L)																		
Chromium	12.8		5.7	11.6		5.7	5.7	U	5.7	7.2	J	5.7	105		5.7	9.8	J	5.7

J : Result is less than the RL but gr

U : Indicates the analyte was anal

Lab Contact:

Grace Chang

Project Manager II

(732)593-2579

Eurofins Environment
Eurofins Edison

Lab Job ID: 460-301889-1

Job Description: Precision Nat

For:

Arcadis U.S., Inc.

1 Harvard Way

Hillsborough, New Jersey 088

Client ID	OMW-30			OMW-16			MW-37S			OMW-10		
Lab Sample ID	460-301889-13			460-301889-14			460-301889-15			460-301889-16		
Sampling Date	04/11/2024 13:40:00			04/11/2024 14:45:00			04/11/2024 14:20:00			04/11/2024 14:51:00		
Matrix	Water			Water			Water			Water		
Unit												
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
WATER BY 200.7 REV 4.4(UG/L)												
Chromium	308		5.7	6.4	J	5.7	19.9		5.7	235		5.7

J : Result is less than the RL but gr

U : Indicates the analyte was anal

Lab Contact:

Grace Chang

Project Manager II

(732)593-2579

Eurofins Environment Testing Northeast, LLC
Eurofins Edison

Lab Job ID: 460-301889-1

Job Description: Precision National Plating

For:

Arcadis U.S., Inc.

1 Harvard Way

Hillsborough, New Jersey 08844

Client ID	MW-10I			MW-11I			MW-12S			OMW-23			MW-10S			MW-12I		
Lab Sample ID	460-301889-1			460-301889-2			460-301889-3			460-301889-4			460-301889-5			460-301889-6		
Sampling Date	04/11/2024 09:05:00			04/11/2024 09:33:00			04/11/2024 08:15:00			04/11/2024 08:30:00			04/11/2024 10:05:00			04/11/2024 10:15:00		
Matrix	Water			Water			Water			Water			Water			Water		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
WATER BY 7196A																		
Cr (VI) (ug/l)	8.1	U	8.1	40.7	U	40.7	8.1	U	8.1	8.1	U	8.1	8.1	U	8.1	8.1	U	8.1

U : Indicates the analyte was analyzed for but not detected.

Lab Contact:

Grace Chang

Project Manager II

(732)593-2579

Eurofins Environment 1
Eurofins Edison

Lab Job ID: 460-301889-1

Job Description: Precision Natio

For:

Arcadis U.S., Inc.

1 Harvard Way

Hillsborough, New Jersey 08844

Client ID	MW-18S			MW-AS			MW-AD			OMW-17			MW-11S			MW-18I		
Lab Sample ID	460-301889-7			460-301889-8			460-301889-9			460-301889-10			460-301889-11			460-301889-12		
Sampling Date	04/11/2024 11:20:00			04/11/2024 11:25:00			04/11/2024 12:25:00			04/11/2024 12:00:00			04/11/2024 13:01:00			04/11/2024 12:35:00		
Matrix	Water			Water			Water			Water			Water			Water		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
WATER BY 7196A																		
Cr (VI) (ug/l)	8.1	U	8.1	8.1	U	8.1	8.1	U	8.1	8.1	U	8.1	8.1	U	8.1	40.7	U	40.7

U : Indicates the analyte was analyzed

Lab Contact:

Grace Chang

Project Manager II

(732)593-2579

Eurofins Environment 1
Eurofins Edison

Lab Job ID: 460-301889-1

Job Description: Precision Natio

For:

Arcadis U.S., Inc.

1 Harvard Way

Hillsborough, New Jersey 08844

Client ID	OMW-30			OMW-16			MW-37S			OMW-10		
Lab Sample ID	460-301889-13			460-301889-14			460-301889-15			460-301889-16		
Sampling Date	04/11/2024 13:40:00			04/11/2024 14:45:00			04/11/2024 14:20:00			04/11/2024 14:51:00		
Matrix	Water			Water			Water			Water		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
WATER BY 7196A												
Cr (VI) (ug/l)	8.1	U	8.1	8.1	U	8.1	8.1	U	8.1	8.1	U	8.1

U : Indicates the analyte was analyz

Lab Contact:

Grace Chang

Project Manager II

(732)593-2579

Eurofins Environment Testing Northeast, LLC
Eurofins Edison

Lab Job ID: 460-301973-1

Job Description: Precision National Plating

For:

Arcadis U.S., Inc.

1 Harvard Way

Hillsborough, New Jersey 08844

Client ID	OMW-6			OMW-32			SB-06			MW-3D			MW-BD			MW-LS		
Lab Sample ID	460-301973-1			460-301973-2			460-301973-3			460-301973-4			460-301973-5			460-301973-6		
Sampling Date	04/12/2024 08:40:00			04/12/2024 09:05:00			04/12/2024 09:10:00			04/12/2024 08:56:00			04/12/2024 09:45:00			04/12/2024 10:10:00		
Matrix	Water			Water			Water			Water			Water			Water		
Unit																		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
WATER BY 200.7 REV 4.4(UG/L)																		
Aluminum	NR			NR			NR			NR			NR			NR		
Antimony	NR			NR			NR			NR			NR			NR		
Arsenic	NR			NR			NR			NR			NR			NR		
Barium	NR			NR			NR			NR			NR			NR		
Beryllium	NR			NR			NR			NR			NR			NR		
Cadmium	NR			NR			NR			NR			NR			NR		
Calcium	NR			NR			NR			NR			NR			NR		
Chromium	5.7	U	5.7	709		5.7	19.6		5.7	5.7	U	5.7	5.7	U	5.7	26.6		5.7
Cobalt	NR			NR			NR			NR			NR			NR		
Copper	NR			NR			NR			NR			NR			NR		
Iron	NR			NR			NR			NR			NR			NR		
Lead	NR			NR			NR			NR			NR			NR		
Magnesium	NR			NR			NR			NR			NR			NR		
Manganese	NR			NR			NR			NR			NR			NR		
Nickel	NR			NR			NR			NR			NR			NR		
Potassium	NR			NR			NR			NR			NR			NR		
Selenium	NR			NR			NR			NR			NR			NR		
Silver	NR			NR			NR			NR			NR			NR		
Sodium	NR			NR			NR			NR			NR			NR		
Thallium	NR			NR			NR			NR			NR			NR		
Vanadium	NR			NR			NR			NR			NR			NR		
Zinc	NR			NR			NR			NR			NR			NR		
WATER BY 245.1(UG/L)																		
Mercury	NR			NR			NR			NR			NR			NR		

NR: Not Analyzed

J : Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

U : Indicates the analyte was analyzed for but not detected.

Lab Contact:

Grace Chang

Project Manager II

(732)593-2579

Eurofins Edison

Eurofins Environment
Eurofins Edison

Lab Job ID: 460-301973-1
 Job Description: Precision Natio
 For:
 Arcadis U.S., Inc.
 1 Harvard Way
 Hillsborough, New Jersey 08844

Client ID	MW-35			OMW-3			MW-21S			MW-B5			SB-10			OMW-4		
Lab Sample ID	460-301973-7			460-301973-8			460-301973-9			460-301973-10			460-301973-11			460-301973-12		
Sampling Date	04/12/2024 10:49:00			04/12/2024 10:55:00			04/12/2024 11:30:00			04/12/2024 10:30:00			04/12/2024 12:20:00			04/12/2024 12:45:00		
Matrix	Water			Water			Water			Water			Water			Water		
Unit																		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
WATER BY 200.7 REV 4.4(UG/L)																		
Aluminum	NR			NR			NR			NR			NR			NR		
Antimony	NR			NR			NR			NR			NR			NR		
Arsenic	NR			NR			NR			NR			NR			NR		
Barium	NR			NR			NR			NR			NR			NR		
Beryllium	NR			NR			NR			NR			NR			NR		
Cadmium	NR			NR			NR			NR			NR			NR		
Calcium	NR			NR			NR			NR			NR			NR		
Chromium	5.7	U	5.7	27.8		5.7	8.6	J	5.7	7.3	J	5.7	42.6		5.7	129		5.7
Cobalt	NR			NR			NR			NR			NR			NR		
Copper	NR			NR			NR			NR			NR			NR		
Iron	NR			NR			NR			NR			NR			NR		
Lead	NR			NR			NR			NR			NR			NR		
Magnesium	NR			NR			NR			NR			NR			NR		
Manganese	NR			NR			NR			NR			NR			NR		
Nickel	NR			NR			NR			NR			NR			NR		
Potassium	NR			NR			NR			NR			NR			NR		
Selenium	NR			NR			NR			NR			NR			NR		
Silver	NR			NR			NR			NR			NR			NR		
Sodium	NR			NR			NR			NR			NR			NR		
Thallium	NR			NR			NR			NR			NR			NR		
Vanadium	NR			NR			NR			NR			NR			NR		
Zinc	NR			NR			NR			NR			NR			NR		
WATER BY 245.1(UG/L)																		
Mercury	NR			NR			NR			NR			NR			NR		

NR: Not Analyzed

J : Result is less than the RL but grea

U : Indicates the analyte was analyz

Lab Contact:

Grace Chang

Project Manager II

(732)593-2579

Eurofins Environment
Eurofins Edison

Lab Job ID: 460-301973-1
 Job Description: Precision Natio
 For:
 Arcadis U.S., Inc.
 1 Harvard Way
 Hillsborough, New Jersey 08844

Client ID	Lagoon Sump			French Drain Sump			Lagoon Effluent			Lagoon Influent		
Lab Sample ID	460-301973-13			460-301973-14			460-301973-18			460-301973-20		
Sampling Date	04/12/2024 12:30:00			04/12/2024 12:35:00			04/12/2024 14:00:00			04/12/2024 13:46:00		
Matrix	Water			Water			Water			Water		
Unit												
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
WATER BY 200.7 REV 4.4(UG/L)												
Aluminum	NR			NR			93.1	U	93.1	93.1	U	93.1
Antimony	NR			NR			7.8	U	7.8	7.8	U	7.8
Arsenic	NR			NR			3.6	U	3.6	3.6	U	3.6
Barium	NR			NR			20.9	U	20.9	20.9	U	20.9
Beryllium	NR			NR			0.35	U	0.35	0.35	U	0.35
Cadmium	NR			NR			0.31	U	0.31	0.31	U	0.31
Calcium	NR			NR			35500		358	34700		358
Chromium	66.9		5.7	43.1		5.7	61.2		5.7	5.7	U	5.7
Cobalt	NR			NR			3.4	U	3.4	3.4	U	3.4
Copper	NR			NR			6.1	U	6.1	6.1	U	6.1
Iron	NR			NR			465		76.8	76.8	U	76.8
Lead	NR			NR			3.1	U	3.1	3.1	U	3.1
Magnesium	NR			NR			3340	J	329	3270	J	329
Manganese	NR			NR			531		1.2	2.3	J	1.2
Nickel	NR			NR			27.1	J	3.6	3.6	U	3.6
Potassium	NR			NR			907	J	492	934	J	492
Selenium	NR			NR			8.6	U	8.6	8.6	U	8.6
Silver	NR			NR			5.0	U	5.0	5.0	U	5.0
Sodium	NR			NR			12900		502	13000		502
Thallium	NR			NR			5.8	U	5.8	5.8	U	5.8
Vanadium	NR			NR			3.9	U	3.9	3.9	U	3.9
Zinc	NR			NR			13.7	J	4.5	4.5	U	4.5
WATER BY 245.1(UG/L)												
Mercury	NR			NR			0.091	U	0.091	0.091	U	0.091

NR: Not Analyzed

J : Result is less than the RL but grea

U : Indicates the analyte was analyz

Lab Contact:
 Grace Chang
 Project Manager II
 (732)593-2579

Eurofins Environment Testing Northeast, LLC
Eurofins Edison

Lab Job ID: 460-301973-1

Job Description: Precision National

Plating

For:

Arcadis U.S., Inc.

1 Harvard Way

Hillsborough, New Jersey 08844

Client ID	OMW-6			OMW-32			SB-06			MW-3D			MW-BD			MW-LS		
Lab Sample ID	460-301973-1			460-301973-2			460-301973-3			460-301973-4			460-301973-5			460-301973-6		
Sampling Date	04/12/2024 08:40:00			04/12/2024 09:05:00			04/12/2024 09:10:00			04/12/2024 08:56:00			04/12/2024 09:45:00			04/12/2024 10:10:00		
Matrix	Water			Water			Water			Water			Water			Water		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
WATER BY 7196A																		
Cr (VI) (ug/l)	8.1	U	8.1	498		40.7	8.1	U	8.1	8.1	U	8.1	8.1	U	8.1	8.1	U	8.1

U : Indicates the analyte was analyzed for but not detected.

Lab Contact:

Grace Chang

Project Manager II

(732)593-2579

Eurofins Environm
Eurofins Edison

Lab Job ID: 460-301973-1

Job Description: Precisi

Plating

For:

Arcadis U.S., Inc.

1 Harvard Way

Hillsborough, New Jersey

Client ID	MW-3S			OMW-3			MW-21S			MW-BS			SB-10			OMW-4		
Lab Sample ID	460-301973-7			460-301973-8			460-301973-9			460-301973-10			460-301973-11			460-301973-12		
Sampling Date	04/12/2024 10:49:00			04/12/2024 10:55:00			04/12/2024 11:30:00			04/12/2024 10:30:00			04/12/2024 12:20:00			04/12/2024 12:45:00		
Matrix	Water			Water			Water			Water			Water			Water		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
WATER BY 7196A																		
Cr (VI) (ug/l)	8.1	U	8.1	8.1	U	8.1	8.1	U	8.1	8.1	U	8.1	8.1	U	8.1	51.7		8.1

U : Indicates the analyte was

Lab Contact:

Grace Chang

Project Manager II

(732)593-2579

Eurofins Environm
Eurofins Edison

Lab Job ID: 460-301973-1
Job Description: Precisi
Plating
For:
Arcadis U.S., Inc.
1 Harvard Way
Hillsborough, New Jersey

Client ID	Lagoon Sump			French Drain Sump		
Lab Sample ID	460-301973-13			460-301973-14		
Sampling Date	04/12/2024 12:30:00			04/12/2024 12:35:00		
Matrix	Water			Water		
	Result	Q	MDL	Result	Q	MDL
WATER BY 7196A						
Cr (VI) (ug/l)	22.8		8.1	31.7		8.1

U : Indicates the analyte was

Lab Contact:
Grace Chang
Project Manager II
(732)593-2579

Eurofins Environment Testing Northeast, LLC
Eurofins Edison

Lab Job ID: 460-301973-2

Job Description: Precision National Plating

For:

Arcadis U.S., Inc.

1 Harvard Way

Hillsborough, New Jersey 08844

Client ID	Seep Shed Effluent			Seep Shed Mid			Seep Shed Influent			Lagoon Post Lead		
Lab Sample ID	460-301973-15			460-301973-16			460-301973-17			460-301973-19		
Sampling Date	04/12/2024 13:18:00			04/12/2024 13:09:00			04/12/2024 13:07:00			04/12/2024 13:50:00		
Matrix	Water			Water			Water			Water		
Unit												
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
WATER BY 200.7 REV 4.4(UG/L)												
Chromium	5.7	U	5.7	219		5.7	228		5.7	12.7		5.7

U : Indicates the analyte was analyzed for but not detected.

Lab Contact:

Grace Chang

Project Manager II

(732)593-2579

Eurofins Environment Testing Northeast, LLC**Eurofins Edison**

Lab Job ID: 460-301973-2

Job Description: Precision National Plating

For:

Arcadis U.S., Inc.

1 Harvard Way

Hillsborough, New Jersey 08844

Client ID	Seep Shed Effluent			Seep Shed Mid			Seep Shed Influent			Lagoon Effluent			Lagoon Post Lead			Lagoon Influent		
Lab Sample ID	460-301973-15			460-301973-16			460-301973-17			460-301973-18			460-301973-19			460-301973-20		
Sampling Date	04/12/2024 13:18:00			04/12/2024 13:09:00			04/12/2024 13:07:00			04/12/2024 14:00:00			04/12/2024 13:50:00			04/12/2024 13:46:00		
Matrix	Water			Water			Water			Water			Water			Water		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
WATER BY 7196A																		
Cr (VI) (ug/l)	8.1	U	8.1	8.1	U	8.1	181		16.3	19.4		8.1	8.1	U	8.1	8.1	U	8.1

U : Indicates the analyte was analyzed for but not detected.

Lab Contact:

Grace Chang

Project Manager II

(732)593-2579

Eurofins Environment Testing Northeast, LLC**Eurofins Edison**

Lab Job ID: 460-302115-1

Job Description: Precision National Plating

For:

Arcadis U.S., Inc.

1 Harvard Way

Hillsborough, New Jersey 08844

Client ID	MW-4D			MW-4S		
Lab Sample ID	460-302115-1			460-302115-2		
Sampling Date	04/15/2024 11:31:00			04/15/2024 12:56:00		
Matrix	Water			Water		
Unit						
	Result	Q	MDL	Result	Q	MDL
WATER BY 200.7 REV 4.4(UG/L)						
Chromium	5.7	U	5.7	5.7	U	5.7

U : Indicates the analyte was analyzed for but not detected.

Lab Contact:

Grace Chang

Project Manager II

(732)593-2579

Eurofins Environment Testing Northeast, LLC**Eurofins Edison**

Lab Job ID: 460-302115-1

Job Description: Precision National Plating

For:

Arcadis U.S., Inc.

1 Harvard Way

Hillsborough, New Jersey 08844

Client ID	MW-4D			MW-4S		
Lab Sample ID	460-302115-1			460-302115-2		
Sampling Date	04/15/2024 11:31:00			04/15/2024 12:56:00		
Matrix	Water			Water		
	Result	Q	MDL	Result	Q	MDL
WATER BY 7196A						
Cr (VI) (ug/l)	8.1	U	8.1	8.1	U	8.1

U : Indicates the analyte was analyzed for but not detected.

Lab Contact:

Grace Chang

Project Manager II

(732)593-2579