

**Data Validation Summary Report
Semi-Annual Groundwater Monitoring and GWETS
Performance Sampling
July through December 2023
Nevada Environmental Response Trust (NERT)
Henderson, Nevada**

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LIST OF ACRONYMS AND ABBREVIATIONS

DL	Detection Limit
DNR	Do Not Report
DQO	Data Quality Objectives
DUP	Duplicate
DVR	Data Validation Report
DVSR	Data Validation Summary Report
EB	Equipment Blank
EPA	Environmental Protection Agency
FB	Field Blank
FD	Field Duplicate
LCS/LCSD	Laboratory Control Sample / Laboratory Control Sample Duplicate
LDC	Laboratory Data Consultants, Inc.
MDL	Method Detection Limit
MS/MSD	Matrix Spike / Matrix Spike Duplicate
NDEP	Nevada Department of Environmental Protection
NERT	Nevada Environmental Response Trust
NFG	National Functional Guidelines
PARCCS	Precision, Accuracy, Representativeness, Comparability, Completeness, Sensitivity
PQL	Practical Quantitation Limit
QA/QC	Quality Assurance / Quality Control
RPD	Relative Percent Difference
SAP	Sampling and Analysis Plan
SDG	Sample Delivery Group
SQL	Sample Quantitation Limit
TDS	Total Dissolved Solids
TIN	Total Inorganic Nitrogen
TOC	Total Organic Carbon
TOX	Total Organic Halogen
TRP	Total Recoverable Phenolics
USEPA	United States Environmental Protection Agency
ug/L	Micrograms per Liter
mg/L	Milligram per Liter
%RSD	Percent Relative Standard Deviation
%D	Percent Difference
%R	Percent Recovery

1.0 INTRODUCTION

This data validation summary report (DVSR) has been prepared by Laboratory Data Consultants, Inc. (LDC) to assess the validity and usability of laboratory analytical data from the Groundwater Monitoring and Groundwater Extraction and Treatment System (GWETS) Performance Sampling conducted during July to December 2023 at the Nevada Environmental Response Trust (NERT) site in Henderson, Nevada. Data collection and management was performed in accordance with the *Remedial Performance Sampling and Analysis Plan, Revision 3, Nevada Environmental Response Trust Site, Henderson, Nevada* (SAP Revision 3) dated December 2022 and included the collection and analyses of 719 environmental and quality control (QC) samples. The analyses were performed by the following methods:

Metals by EPA Method 200.7

Wet Chemistry:

Hexavalent Chromium by EPA SW-846 Method 7199

Chloride, Nitrate as Nitrogen, Nitrate/Nitrite as Nitrogen, Nitrite as Nitrogen, and Sulfate (Anions) by EPA Method 300.0

Total Inorganic Nitrogen (TIN) by Calculation

Chlorate by EPA Method 300.1B

Perchlorate by EPA Method 314.0

Ammonia as Nitrogen by EPA Method 350.1

Total Recoverable Phenolics (TRP) by EPA Method 420.4

Conductivity by Standard Method 2510B

Total Dissolved Solids (TDS) by Standard Method 2540C

Total Organic Carbon (TOC) by Standard Method 5310B

Total Organic Halogen (TOX) by EPA SW 846 Method 9020B

Field pH by Field Test Method

Laboratory analytical services were provided by Eurofins. Field pH readings were recorded on the chain-of-custody at the time of sampling and reported with the analytical data. The samples were grouped into sample delivery groups (SDGs). The water samples are associated with quality assurance and quality control (QA/QC) samples designed to document the data quality of the entire SDG or a sub-group of samples within an SDG. Table I is a cross-reference table listing each sample, analysis, SDG, collection date, laboratory sample number, matrix, and validation level. An individual sample may be on multiple rows if it is reported on more than one SDG. Table II is a reference table that identifies the QC elements reviewed for each validation level per method, as applicable.

The laboratory analytical data were validated in accordance with procedures described in the Nevada Division of Environmental Protection (NDEP) *Data Validation Guidance* established for the BMI Plant Sites and Common Areas Projects, Henderson, Nevada, July 13, 2018. Consistent with the NDEP requirements, one hundred percent of the analytical data were validated according to Stage 2A data validation procedures. The number of samples for each method is presented in Table III.

The analytical data were evaluated for QA/QC based on the following documents: SAP Revision 1 (March 2020), *USEPA National Functional Guidelines (NFG) for Inorganic Superfund Methods Data Review* (November 2020); and the *EPA SW 846 Third Edition, Test Methods for Evaluating Solid Waste*, update I, July 1992; update IIA, August 1993; update II, September 1994; update IIB, January 1995; update III, December 1996; update IV, February 2007; update V, July 2014.

This report summarizes the QA/QC evaluation of the data according to precision, accuracy, representativeness, completeness, comparability, and sensitivity (PARCCS) relative to the project data quality objectives (DQOs). This report provides a quantitative and qualitative assessment of the data and identifies potential sources of error, uncertainty, and bias that may affect the overall usability.

PARCCS summary report evaluates and summarizes the results of QA/QC data validation for the entire sampling program. Each analytical fraction has a separate section for each of the PARCCS criteria. These sections interpret specific QC deviations and their effects on both individual data points and the analyses as a whole. Section 5.0 presents a summary of the PARCCS criteria by comparing quantitative parameters with acceptability criteria defined in the project DQO's. Qualitative PARCCS criteria are also summarized in this section.

Precision and Accuracy of Environmental Data

Environmental data quality depends on sample collection procedures, analytical methods and instrumentation, documentation, and sample matrix properties. Both sampling procedures and laboratory analyses contain potential sources of uncertainty, error, and/or bias, which affect the overall quality of a measurement. Errors for sample data may result from incomplete equipment decontamination, inappropriate sampling techniques, sample heterogeneity, improper filtering, and improper preservation. The accuracy of analytical results is dependent on selecting appropriate analytical methods, maintaining equipment properly, and complying with QC requirements. The sample matrix also is an important factor in the ability to obtain precise and accurate results within a given media.

Environmental and laboratory QA/QC samples assess the effects of sampling procedures and evaluate laboratory contamination, laboratory performance, and matrix effects. QA/QC samples include: equipment blanks (EB), field blanks (FB), field duplicates (FD), method blanks, laboratory control samples/laboratory control sample duplicates (LCS/LCSD), laboratory duplicates (DUP), and matrix spike/matrix spike duplicates (MS/MSD).

Before conducting the PARCCS evaluation, the analytical data were validated according to the NDEP Data Validation Guidance (July 2018), NFG (USEPA 2020), and EPA SW 846 Test Methods. Samples not meeting the acceptance criteria were qualified with a flag, an abbreviation indicating a deficiency with the data. The following are flags used in data validation.

- J- Estimated The associated numerical value is an estimated quantity with a negative bias. The analyte was detected but the reported value may not be accurate or precise.
- J+ Estimated The associated numerical value is an estimated quantity with a positive bias. The analyte was detected but the reported value may not be accurate or precise.
- J Estimated The associated numerical value is an estimated quantity. It is not possible to assess the direction of the potential bias. The analyte was detected but the reported value may not be accurate or precise. The "J" qualification indicates the data fell outside the QC limits, but the exceedance was not sufficient to cause rejection of the data.
- R Rejected The data is unusable (the analyte may or may not be present). Use of the "R" qualifier indicates a significant variance from functional guideline acceptance criteria. Either resampling or reanalysis is necessary to determine the presence or absence of the rejected analyte.
- U Nondetected Analyses were performed for the analyte, but it was not detected.
- UJ Estimated/Nondetected Analyses were performed for the analyte, but it was not detected, and the sample quantitation or detection limit is an estimated quantity due to poor accuracy or precision. This qualification is also used to flag possible false negative results in the case where low bias in the analytical system is indicated by low calibration response, surrogate, or other spike recovery.
- DNR Do Not Report A more appropriate result is reported from another analysis or dilution.

- A Indicates the finding is based upon technical validation criteria.
- P Indicates the finding is related to a protocol/contractual deviation.

The hierarchy of flags is listed below:

R > J	The R flag will always take precedence over the J qualifier.
J+	The high bias (J+) flag is applied only to detected results.
J > J+ or J-	A non-biased (J) flag will always supersede biased (J+ or J-) flags since it is not possible to assess the direction of the potential bias.
J = J+ plus J-	Adding biased (J+, J-) flags with opposite signs will result in a non-biased flag (J).
UJ = U plus J	The UJ flag is used when a non-detected (U) flag is added to a non-biased flag (J).

Table IV lists the reason codes used. Reason codes explain why flags have been applied and allow data users to assess if a result is usable with qualification due to QA/QC outliers or not usable when rejected due to QA/QC outliers. Reason codes are cumulative except when one of the flags is R then only the reason code associated to the R flag will be used.

Table V presents the overall qualified results after all the flags or validation qualifiers and associated reason codes have been applied.

Once the data are reviewed and qualified according to the NDEP Data Validation Guidance (July 2018), NFG, and EPA Test Methods, the data set is then evaluated using PARCCS criteria. PARCCS criteria provide an evaluation of overall data usability. The following is a discussion of PARCCS criteria as related to the project DQOs.

Precision is a measure of the agreement or reproducibility of analytical results under a given set of conditions. It is a quantity that cannot be measured directly but is calculated from reported concentrations.

Precision is expressed as the relative percent difference (RPD):

$$RPD = (D1 - D2) / \{1/2(D1 + D2)\} \times 100$$

where:

D1 = reported concentration for the sample

D2 = reported concentration for the duplicate

Precision is primarily assessed by calculating an RPD from the reported concentrations of the spiked compounds for each sample in the MS/MSD pair. In the absence of an MS/MSD pair, a laboratory duplicate or LCS/LCSD pair can be analyzed as an alternative means of assessing precision. An additional measure of sampling precision was obtained by collecting and analyzing field duplicate samples, which were compared using the RPD result as the evaluation criteria.

MS and MSD samples are field samples spiked by the laboratory with target analytes prior to preparation and analysis. These samples measure the overall efficiency of the analytical method in recovering target analytes from an environmental matrix. An LCS is similar to an MS/MSD sample in that the LCS is spiked with the same target analytes prior to preparation and analysis. However, the LCS is prepared using a controlled interference-free matrix instead of a field sample aliquot. Laboratory reagent water is

used to prepare aqueous LCS. The LCS measures laboratory efficiency in recovering target analytes from an aqueous matrix in the absence of matrix interferences.

DUPs measure laboratory precision. DUPs are replicate samples and are prepared by taking two aliquots from one sample container. The analytical results for DUPs are reported as the RPD between the results of the two aliquots.

Laboratory and field sampling precision are evaluated by calculating RPDs for field sample duplicate pairs. The sampler collects two field samples at the same location and under identically controlled conditions. The laboratory then analyzes the samples under identical conditions.

An RPD outside the numerical QC limit in the LCS/LCSD, MS/MSD, DUPs, or field duplicates indicates imprecision. Imprecision is the variance in the consistency with which the laboratory arrives at a particular reported result. Thus, the actual analyte concentration may be higher or lower than the reported result.

Possible causes of poor precision include sample heterogeneity, improper sample collection or handling, inconsistent sample preparation, and poor instrument stability. In some duplicate pairs, results may be reported in either the primary or duplicate samples at levels below the practical quantitation limit (PQL) or non-detected. Since these values are considered to be estimates, RPD exceedances from these duplicate pairs do not suggest a significant impact on the data quality.

Accuracy is a measure of the agreement of an experimental determination and the true value of the parameter being measured. It is used to identify bias in a given measurement system. Recoveries outside acceptable QC limits may be caused by factors such as instrumentation, analyst error, or matrix interference. Accuracy is assessed through the analysis of MS, MSD, and LCS. In some cases, samples from multiple SDGs were within one QC batch and therefore are associated with the same laboratory QC samples. Accuracy of inorganic analyses is determined using the percent recoveries of MS and LCS analyses.

Percent recovery (%R) is calculated using the following equation:

$$\%R = (A-B)/C \times 100$$

where:

A = measured concentration in the spiked sample

B = measured concentration of the spike compound in the unspiked sample

C = concentration of the spike

The percent recovery of each analyte spiked in MS/MSD samples, LCS/LCSD, and surrogate compounds added to environmental samples is evaluated with the acceptance criteria specified by the previously noted documents. Spike recoveries outside the acceptable QC accuracy limits provide an indication of bias, where the reported data may overestimate or underestimate the actual concentration of compounds detected or quantitation limits reported for environmental samples.

Representativeness is a qualitative parameter that expresses the degree to which the sample data are characteristic of a population. It is evaluated by reviewing the QC results of blanks, samples and holding times. Positive detects of compounds in the blank samples identify compounds that may have been introduced into the samples during sample collection, transport, preparation, or analysis. The QA/QC blanks collected and analyzed are method blanks, EBs, and FBs.

A method blank is a laboratory grade water or solid matrix that contains the method reagents and has undergone the same preparation and analysis as the environmental samples. The method blank provides a measure of the combined contamination derived from the laboratory source water, glassware, instruments,

reagents, and sample preparation steps. Method blanks are prepared for each sample of a similar matrix extracted by the same method at a similar concentration level.

Equipment blanks consist of analyte-free water poured over or through the sample collection equipment. The water is collected in a sample container for laboratory analysis. These blanks are collected after the sampling equipment is decontaminated and measure effectiveness of the decontamination procedure.

Field blanks consist of analyte-free source water stored at the sample collection site. The water is collected from each source water used during each sampling event.

Holding times are evaluated to assure that the sample integrity is intact for accurate sample preparation and analysis. Holding times will be specific for each method and matrix analyzed. Holding time exceedance can cause loss of sample constituents due to biodegradation, precipitation, volatilization, and chemical degradation.

Comparability is a qualitative expression of the confidence with which one data set may be compared to another. It provides an assessment of the equivalence of the analytical results to data obtained from other analyses. It is important that data sets be comparable if they are used in conjunction with other data sets. The factors affecting comparability include the following: sample collection and handling techniques, matrix type, and analytical method. If these aspects of sampling and analysis are carried out according to standard analytical procedures, the data are considered comparable. Comparability is also dependent upon other PARCCS criteria, because only when precision, accuracy, and representativeness are known can data sets be compared with confidence.

Completeness is defined as the percentage of acceptable sample results compared to the total number of sample results. Completeness is evaluated to determine if an acceptable amount of usable data were obtained so that a valid scientific site assessment can be completed. Completeness equals the total number of sample results for each fraction minus the total number of rejected sample results divided by the total number of sample results multiplied by 100. As specified in the project DQOs, the goal for completeness for target analytes in each analytical fraction is 90 percent.

Percent completeness is calculated using the following equation:

$$\%C = (T - R)/T \times 100$$

where:

%C = percent completeness

T = total number of sample results

R = total number of rejected sample results

Completeness is also determined by comparing the planned number of samples per method and matrix as specified in the SAP Revision 1 (March 2020), with the number determined above.

Sensitivity is the ability of an analytical method or instrument to discriminate between measurement responses representing different concentrations. This capability is established during the planning phase to meet the DQOs. It is important that detection limits (DLs), and PQLs presented in the SAP Revision 1 (March 2020) are achieved and that target analytes can be detected at concentrations necessary to support the DQOs. The method detection limits (MDLs) represent the minimum concentration of a substance that can be measured and reported with 99 percent confidence that the analyte concentration is greater than zero. Sample quantitation limits (SQLs) are adjusted MDL values that reflect sample specific actions, such as dilutions or varying aliquot sizes. PQLs are the lowest level at which the entire analytical system gives a recognizable signal and acceptable calibration point for the analyte. The laboratory is required to report detected analytes down to the SQL for this project. In addition, sample results are compared to method blank and field blank results to identify potential effects of laboratory background and field

procedures on sensitivity.

The QA/QC criteria were met with the exceptions noted in the following sections for each analytical method.

2.0 METALS

All metals data were assessed to be valid since none of the 519 total results were rejected based on holding time and QC exceedances. This section discusses the QA/QC supporting documentation as defined by the PARCCS criteria and evaluated based on the DQOs.

2.1 Precision and Accuracy

2.1.1 MS/MSD Samples

All MS/MSD %Rs and RPDs met the laboratory acceptance criteria.

In instances where MS/MSD %Rs were above the laboratory acceptance criteria and the associated results were not detected or greater than 4X the spike concentration, no data were qualified.

2.1.2 LCS Samples

The iron result for sample M-10-20231108 was qualified as detected estimated (J-) due to an LCSD %R below the laboratory acceptance criteria. The details regarding the qualification of results are provided in Attachment A.

All LCS/LCSD RPDs met the laboratory acceptance criteria.

2.1.3 FD Samples

All RPDs were within the acceptance criteria of ≤ 30 for results that were reported above the PQL.

Given the additional uncertainty in results reported below the PQL, no data were qualified when the RPDs were outside the acceptance criteria and the associated results in either the primary or duplicate samples were below the PQL or not detected.

2.2 Representativeness

2.2.1 Sample Preservation and Holding Times

The evaluation of holding times to verify compliance with the method was conducted. All samples met the 180-day analysis holding time criteria.

2.2.2 Blanks

Method blanks, EBs, and FBs were collected and analyzed to evaluate representativeness. The concentration for an individual target analyte in any of the types of QA/QC blanks was used for data qualification.

If contaminants were detected in a blank, corrective actions were made for the chemical analytical data during data validation. The corrective action consisted of amending the laboratory reported results based on the following criteria.

Results Below the PQL - If a sample result was less than the PQL, the sample result was qualified as estimated (J) at the reported concentration.

Results Above the PQL - If a sample result and blank contaminant value were greater than the PQL and the sample result was less than 10 times the blank contaminant value, the sample result was qualified as detected estimated (J+) at the reported concentration.

No Action - If blank contaminant values were less than the PQL and associated sample results were greater than the PQL, or if blank contaminant values were greater than the PQL and associated sample results were greater than 10 times the blank contaminant value, the result was not qualified.

2.2.2.1 Method Blanks

As a result of contamination found in the associated method blank, the chromium result for sample PC-116R-20230810-EB was qualified as detected estimated (J+). The details regarding the qualification of results are provided in Attachment A.

2.2.2.2 EBs and FBs

As a result of contamination found in the associated equipment blank, the chromium result for sample PC-116R-20230810 was qualified as detected estimated (J).

No data were qualified due to the contaminants detected in the associated field blanks.

The details regarding the qualification of results are provided in Attachment A.

2.3 Comparability

The laboratory used standard analytical methods for all of the analyses. In all cases, the SQLs attained were at or below the PQLs. Target analytes detected below the PQLs flagged (J) by the laboratory should be considered estimated. The comparability of the metals data is regarded as acceptable.

2.4 Completeness

The completeness level attained for metal field samples was 100 percent. This percentage was calculated as the total number of accepted sample results divided by the total number of sample results multiplied by 100.

2.5 Sensitivity

The calibration was evaluated for instrument sensitivity and was determined to be technically acceptable. All laboratory PQLs were acceptable.

3.0 WET CHEMISTRY

All wet chemistry data were assessed to be valid since none of the 2,801 total results were rejected based on holding time and QC exceedances. This section discusses the QA/QC supporting documentation as defined by the PARCCS criteria and evaluated based on the DQOs.

3.1 Precision and Accuracy

3.1.1 Surrogate

All surrogate %Rs met the laboratory acceptance criteria for Method 300.1B.

In instances where the surrogate %R was above the laboratory acceptance criteria and the associated results were not detected, no data were qualified.

3.1.2 MS/MSD Samples

MS/MSD samples were evaluated for anions, hexavalent chromium, chlorate, perchlorate, and total recoverable phenolics.

Three chlorate, and 42 hexavalent chromium results were qualified as detected estimated (J-) or non-detected estimated (UJ) due to MS/MSD %Rs below the laboratory acceptance criteria.

Nine hexavalent chromium results were qualified as detected estimated (J+) due to MS/MSD %Rs above the laboratory acceptance criteria.

Six chlorate results were qualified as detected estimated (J) or non-detected estimated (UJ) due to MS/MSD RPDs above the laboratory acceptance criteria.

The details regarding the qualification of results are presented in Attachment B.

In instances where MS/MSD %Rs were above the laboratory acceptance criteria and the associated results were not detected or greater than 4X the spike concentration no data were qualified.

3.1.3 DUP Samples

DUP samples were evaluated for TDS.

All DUP RPDs met the laboratory acceptance criteria.

3.1.4 LCS Samples

All LCS/LCSD %Rs and RPDs met the laboratory acceptance criteria.

3.1.5 FD Samples

Due to RPDs outside the acceptance criteria of ≤ 30 , eight chlorate, two nitrate as nitrogen, and eight TDS results that were reported above the PQL in eight field duplicate pairs were qualified as detected estimated (J).

The details regarding the qualification of results are presented in Attachment B.

Given the additional uncertainty in results reported below the PQL, no data were qualified when the RPDs were outside the acceptance criteria and the associated results in either the primary or duplicate samples were below the PQL or not detected.

3.2 Representativeness

3.2.1 Sample Preservation and Holding Times

The evaluation of holding times to verify compliance with all wet chemistry methods was conducted. All water samples met the 48-hour analysis holding time criteria for hexavalent chromium in preserved water samples and nitrite as nitrogen, and the 28-day analysis holding time criteria for ammonia as nitrogen, chloride, conductivity, phenolics, sulfate, TOC, and TOX.

Due to analysis holding time outside acceptance criteria, three chlorate, 25 nitrate as nitrogen, four perchlorate, and two TDS results were qualified as detected estimated (J-) or non-detected estimated (UJ). The analysis holding time criteria is 48 hours for nitrate as nitrogen, 28 days for chlorate and perchlorate, and 7 days for TDS.

The details regarding the qualification of results are presented in Attachment B.

3.2.2 Blanks

Method blanks, EBs, and FBs were collected and analyzed to evaluate representativeness.

If contaminants were detected in a blank, corrective actions were made for the chemical analytical data during data validation based on the criteria presented in Section 2.2.2.

3.2.2.1 Method Blanks

No contaminants were detected in the method blanks.

3.2.2.2 EBs and FBs

As a result of contamination found in the associated equipment blank, the TDS result for sample I-U-20231113 was qualified as detected estimated (J+).

No data were qualified due to the contaminants detected in the associated field blanks.

The details regarding the qualification of results are provided in Attachment B.

3.3 Comparability

The laboratory used standard analytical methods for all of the analyses. In all cases, the SQLs attained were at or below the PQLs. Target analytes detected below the PQLs flagged (J) by the laboratory should be considered estimated. The comparability of the data is regarded as acceptable.

In the case where more than one result was reported for an individual sample, the least technically acceptable results were deemed not reportable.

3.4 Completeness

The completeness level attained for wet chemistry field samples was 100 percent. This percentage was calculated as the total number of accepted sample results divided by the total number of sample results multiplied by 100.

3.5 Sensitivity

The calibration was evaluated for instrument sensitivity and was determined to be technically acceptable. All laboratory PQLs were acceptable.

4.0 VARIANCES IN ANALYTICAL PERFORMANCE

The laboratory used standard analytical methods for all analyses throughout the project. The analyses were conducted within all specifications of the method.

No systematic variances in analytical performance were noted in the laboratory case narratives.

5.0 SUMMARY OF PARCCS CRITERIA

The validation reports present the PARCCS results for all SDGs. Each PARCCS criterion is discussed in detail in the following sections.

5.1 Precision and Accuracy

Precision and accuracy were evaluated using data quality indicators such as MS/MSD, DUP, LCS/LCSD, and field duplicates. The precision and accuracy of the data set were considered acceptable after integration of result qualification.

All MS/MSD, DUP, LCS/LCSD, and field duplicate percent recoveries and RPDs met acceptance criteria with the exceptions noted in Sections 2.1.2, 3.1.2, and 3.1.5.

5.2 Representativeness

All samples for each method and matrix were evaluated for holding time compliance. All holding times were met with the exception noted in Section 3.2.1. All samples were associated with a method blank in each individual SDG. The representativeness of the project data is considered acceptable after integration of result qualification due to blank contamination as noted in Sections 2.2.2.1, 2.2.2.2, and 3.2.2.2.

5.3 Comparability

Sampling frequency requirements were met in obtaining necessary field blanks and field duplicates. The laboratory used standard analytical methods for the analyses. The analytical results were reported in correct standard units. Sample integrity criteria were met and sample preservation and holding times were within QC criteria with the exception noted in Section 3.2.1. The overall comparability is considered acceptable after integration of result qualification.

5.4 Completeness

Of the 3,320 total analytes reported, none of the results were rejected. The completeness for the SDGs is as follows:

Parameter	Total Number of Validated Results	Number of Rejected Results	Percent Completeness
Metals	519	0	100
Wet Chemistry:			
CrVI	396	0	100
Anions	393	0	100
TIN	2	0	100
Chlorate	685	0	100
Perchlorate	699	0	100
Ammonia-N	2	0	100
Total Recoverable Phenolics	4	0	100
Conductivity	4	0	100
TDS	608	0	100
TOC	4	0	100
TOX	4	0	100
Total	3,320	0	100

5.5 Sensitivity

Sensitivity was achieved by the laboratory to support the DQOs. Calibration concentrations, VOC SQLs, metals and wet chemistry PQLs met the project requirements and low-level contamination in the method blanks, trip blanks, equipment blanks, and field blanks did not affect sensitivity.

6.0 CONCLUSIONS AND RECOMMENDATIONS

The analytical data quality assessment for the water sample laboratory analytical results generated during the July to December 2023 Groundwater Monitoring and GWETS Performance Sampling at the NERT site in Henderson, Nevada established that the overall project requirements and completeness levels were met. Sample results that were found to be estimated (J) are usable for limited purposes only. Based upon the Stage 2A data validation all other results are considered valid and usable for all purposes.

7.0 REFERENCES

- American Public Health Association 2012. Standard Method for the Examination of Water and Wastewater (22nd ed.). Washington, DC: American Public Health Association; Rice, Baird, Eaton, and Clesceri.
- NDEP 2018. NDEP Data Validation Guidance. July.
- NDEP 2018b. Email from NDEP to the Trust regarding Multiple Results Reported. December 7.
- Ramboll 2022. Remedial Performance Sampling and Analysis Plan, Revision 3; NDEP Directed One-Time VOC Sampling Plan, Nevada Environmental Response Trust Site, Henderson, Nevada. December 16. NDEP approved January 4, 2023.
- USEPA 1983. EPA Methods for Chemical Analysis of Water and Wastes, EPA-600/4-79-020, Cincinnati, Ohio. March.
- USEPA 1996. EPA SW 846 Third Edition, Test Methods for Evaluating Solid Waste, update I, July 1992; update IIA, August 1993; update II, September 1994; update IIB, January 1995; update III, December 1996; update IV, February 2007; update V, July 2014.+
- USEPA 2020. USEPA National Functional Guidelines for Inorganic Superfund Methods Data Review. November.
- USEPA 2020. USEPA National Functional Guidelines for Superfund Organic Methods Data Review. November.

TABLES

Table I. Sample Cross-Reference

LDC	SDG	Client Sample ID	Lab ID	Sample Date	Validation Level	Matrix	QC Type	Chromium (200.7)	Metals (200.7)	Cr(VI) (7199)	Cl (300.0)	NO3-N (300.0)	NO2/NO3-N (300.0)	NO2-N (300.0)	NO2/NO3-N (300.0)	SO4 (300.0)	Total Inorganic Nitrogen (Calc.)	Chlorate (300.1B)	ClO4 (314.0)	NH3-N (E350.1)	Phenolics (E420.4)	Conductivity (SM2510)	TDS (SM2540C)	TOC (SM5310B)	TOX (SW9020)	Field pH
57863A	550-204415-1	PC-99R2/R3-20230706	550-204415-1	7/6/2023	Stage 2A	Water		X				X						X	X				X			X
57863A	550-204415-1	PC-115R-20230706	550-204415-2	7/6/2023	Stage 2A	Water		X				X						X	X				X			X
57863A	550-204415-1	PC-116R-20230706	550-204415-3	7/6/2023	Stage 2A	Water		X				X						X	X				X			X
57863A	550-204415-1	PC-117-20230706	550-204415-4	7/6/2023	Stage 2A	Water		X				X						X	X				X			X
57863A	550-204415-1	PC-118-20230706	550-204415-5	7/6/2023	Stage 2A	Water		X				X						X	X				X			X
57863A	550-204415-1	PC-119-20230706	550-204415-6	7/6/2023	Stage 2A	Water		X				X						X	X				X			X
57863A	550-204415-1	PC-120-20230706	550-204415-7	7/6/2023	Stage 2A	Water		X				X						X	X				X			X
57863A	550-204415-1	PC-121-20230706	550-204415-8	7/6/2023	Stage 2A	Water		X				X						X	X				X			X
57863A	550-204415-1	PC-133-20230706	550-204415-9	7/6/2023	Stage 2A	Water	FD1	X				X						X	X				X			X
57863A	550-204415-1	PC-133-20230706-FD	550-204415-10	7/6/2023	Stage 2A	Water	FD1	X				X						X	X				X			X
57863A	550-204415-1	PC-99R2/R3-20230706-EB	550-204415-11	7/6/2023	Stage 2A	Water	EB	X				X						X	X				X			X
57863B	550-204416-1	ART-1A-20230706	550-204416-1	7/6/2023	Stage 2A	Water		X				X						X	X				X			X
57863B	550-204416-1	ART-2/2A-20230706	550-204416-2	7/6/2023	Stage 2A	Water		X				X						X	X				X			X
57863B	550-204416-1	ART-3A-20230706	550-204416-3	7/6/2023	Stage 2A	Water		X				X						X	X				X			X
57863B	550-204416-1	ART-4A-20230706	550-204416-4	7/6/2023	Stage 2A	Water		X				X						X	X				X			X
57863B	550-204416-1	ART-7A-20230706	550-204416-5	7/6/2023	Stage 2A	Water		X				X						X	X				X			X
57863B	550-204416-1	ART-8A-20230706	550-204416-6	7/6/2023	Stage 2A	Water	FD2	X				X						X	X				X			X
57863B	550-204416-1	ART-9-20230706	550-204416-7	7/6/2023	Stage 2A	Water		X				X						X	X				X			X
57863B	550-204416-1	PC-150-20230706	550-204416-8	7/6/2023	Stage 2A	Water		X				X						X	X				X			X
57863B	550-204416-1	ART-8A-20230706-FD	550-204416-9	7/6/2023	Stage 2A	Water	FD2	X				X						X	X				X			X
57863B	550-204416-1	ART-9-20230706-EB	550-204416-10	7/6/2023	Stage 2A	Water	EB	X				X						X	X				X			X
57863C	550-204465-1	LVW3.5-1-1.2-20230707	550-204465-1	7/7/2023	Stage 2A	Water												X	X				X			
57863C	550-204465-1	LVW3.5-2-1.2-20230707	550-204465-2	7/7/2023	Stage 2A	Water												X	X				X			
57863C	550-204465-1	LVW3.5-3-1.2-20230707	550-204465-3	7/7/2023	Stage 2A	Water												X	X				X			
57863C	550-204465-1	LVW3.5-4-1.2-20230707	550-204465-4	7/7/2023	Stage 2A	Water												X	X				X			
57863C	550-204465-1	LVW3.5-5-1.5-20230707	550-204465-5	7/7/2023	Stage 2A	Water												X	X				X			
57863C	550-204465-1	LVW3.5-6-1.8-20230707	550-204465-6	7/7/2023	Stage 2A	Water												X	X				X			
57863C	550-204465-1	LVW4.2-1-2.7-20230707	550-204465-7	7/7/2023	Stage 2A	Water												X	X				X			
57863C	550-204465-1	LVW4.2-2-1.3-20230707	550-204465-8	7/7/2023	Stage 2A	Water												X	X				X			
57863C	550-204465-1	LVW4.2-3-3.6-20230707	550-204465-9	7/7/2023	Stage 2A	Water												X	X				X			
57863C	550-204465-1	LVW4.2-4-2.1-20230707	550-204465-10	7/7/2023	Stage 2A	Water												X	X				X			

Table I. Sample Cross-Reference

LDC	SDG	Client Sample ID	Lab ID	Sample Date	Validation Level	Matrix	QC Type	Chromium (200.7)	Metals (200.7)	Cr(VI) (7199)	Cl (300.0)	NO3-N (300.0)	NO2/NO3-N (300.0)	NO2-N (300.0)	NO2/NO3-N (300.0)	SO4 (300.0)	Total Inorganic Nitrogen (Calc.)	Chlorate (300.1B)	ClO4 (314.0)	NH3-N (E350.1)	Phenolics (E420.4)	Conductivity (SM2510)	TDS (SM2540C)	TOC (SM5310B)	TOX (SW9020)	Field pH
57863C	550-204465-1	LVW4.75-1-1.2-20230707	550-204465-11	7/7/2023	Stage 2A	Water												X	X				X			
57863C	550-204465-1	LVW4.75-2-1.5-20230707	550-204465-12	7/7/2023	Stage 2A	Water												X	X				X			
57863C	550-204465-1	LVW4.75-3-1.3-20230707	550-204465-13	7/7/2023	Stage 2A	Water												X	X				X			
57863C	550-204465-1	LVW4.75-4-1.6-20230707	550-204465-14	7/7/2023	Stage 2A	Water												X	X				X			
57863C	550-204465-1	LVW4.75-5-1.3-20230707	550-204465-15	7/7/2023	Stage 2A	Water												X	X				X			
57863D	550-204536-1	E1-1-20230710	550-204536-1	7/10/2023	Stage 2A	Water		X				X						X	X				X			X
57863D	550-204536-1	E1-2-20230710	550-204536-2	7/10/2023	Stage 2A	Water		X				X						X	X				X			X
57863D	550-204536-1	E1-3-20230710	550-204536-3	7/10/2023	Stage 2A	Water	FD3	X				X						X	X				X			X
57863D	550-204536-1	E2-1-20230710	550-204536-4	7/10/2023	Stage 2A	Water		X				X						X	X				X			X
57863D	550-204536-1	E2-2-20230710	550-204536-5	7/10/2023	Stage 2A	Water		X				X						X	X				X			X
57863D	550-204536-1	E2-3-20230710	550-204536-6	7/10/2023	Stage 2A	Water		X				X						X	X				X			X
57863D	550-204536-1	E2-4-20230710	550-204536-7	7/10/2023	Stage 2A	Water		X				X						X	X				X			X
57863D	550-204536-1	E2-5-20230710	550-204536-8	7/10/2023	Stage 2A	Water		X				X						X	X				X			X
57863D	550-204536-1	E1-3-20230710-FD	550-204536-9	7/10/2023	Stage 2A	Water	FD3	X				X						X	X				X			X
57863D	550-204536-1	E2-1-20230710-EB	550-204536-10	7/10/2023	Stage 2A	Water	EB	X				X						X	X				X			X
57863E	550-204540-1	LVW5.3-5-1.0-20230710	550-204540-1	7/10/2023	Stage 2A	Water												X	X				X			
57863E	550-204540-1	LVW5.3-6-1.2-20230710	550-204540-2	7/10/2023	Stage 2A	Water												X	X				X			
57863E	550-204540-1	C1-E-0.0-20230710	550-204540-3	7/10/2023	Stage 2A	Water												X	X				X			
57863E	550-204540-1	C1-W-0.0-20230710	550-204540-4	7/10/2023	Stage 2A	Water												X	X				X			
57863E	550-204540-1	LVW6.05-0.5-20230710	550-204540-5	7/10/2023	Stage 2A	Water	FD4											X	X				X			
57863E	550-204540-1	LVW6.05-0.5-20230710-FD	550-204540-6	7/10/2023	Stage 2A	Water	FD4											X	X				X			
57863E	550-204540-1	LVW6.05-20230710-FB	550-204540-7	7/10/2023	Stage 2A	Water	FB											X	X				X			
57863E	550-204540-1	LVW6.6-1-0.9-20230710	550-204540-8	7/10/2023	Stage 2A	Water												X	X				X			
57863E	550-204540-1	LVW6.6-2-1.7-20230710	550-204540-9	7/10/2023	Stage 2A	Water												X	X				X			
57863E	550-204540-1	LVW6.6-3-1.4-20230710	550-204540-10	7/10/2023	Stage 2A	Water												X	X				X			
57863E	550-204540-1	LVW7.2-1.0-20230710	550-204540-11	7/10/2023	Stage 2A	Water	FD5											X	X				X			
57863E	550-204540-1	LVW7.2-1.0-20230710-FD	550-204540-12	7/10/2023	Stage 2A	Water	FD5											X	X				X			
57863E	550-204540-1	LVW8.85-0.8-20230710	550-204540-13	7/10/2023	Stage 2A	Water												X	X				X			
57863E	550-204540-1	LVW0.55-0.7-20230710	550-204540-14	7/10/2023	Stage 2A	Water	FD6											X	X				X			
57863E	550-204540-1	LVW0.55-0.7-20230710-FD	550-204540-15	7/10/2023	Stage 2A	Water	FD6											X	X				X			
57863E	550-204540-1	LVW5.3-1-0.8-20230710	550-204540-16	7/10/2023	Stage 2A	Water												X	X				X			

Table I. Sample Cross-Reference

LDC	SDG	Client Sample ID	Lab ID	Sample Date	Validation Level	Matrix	QC Type	Chromium (200.7)	Metals (200.7)	Cr(VI) (7199)	Cl (300.0)	NO3-N (300.0)	NO2/NO3-N (300.0)	NO2-N (300.0)	NO2/NO3-N (300.0)	SO4 (300.0)	Total Inorganic Nitrogen (Calc.)	Chlorate (300.1B)	ClO4 (314.0)	NH3-N (E350.1)	Phenolics (E420.4)	Conductivity (SM2510)	TDS (SM2540C)	TOC (SM5310B)	TOX (SW9020)	Field pH
57863E	550-204540-1	LVW5.3-2-0.7-20230710	550-204540-17	7/10/2023	Stage 2A	Water												X	X				X			
57863E	550-204540-1	LVW5.3-3-0.7-20230710	550-204540-18	7/10/2023	Stage 2A	Water												X	X				X			
57863E	550-204540-1	LVW5.3-4-0.6-20230710	550-204540-19	7/10/2023	Stage 2A	Water												X	X				X			
57863E	550-204540-1	LVW7.2-20230710-EB	550-204540-20	7/10/2023	Stage 2A	Water	EB											X	X				X			
57863E	550-204540-1	LVW0.55-20230710-FB	550-204540-21	7/10/2023	Stage 2A	Water	FB											X	X				X			
57863F	550-204613-1	I-AA-20230711	550-204613-1	7/11/2023	Stage 2A	Water		X				X						X	X				X			X
57863F	550-204613-1	I-AB-20230711	550-204613-2	7/11/2023	Stage 2A	Water		X				X						X	X				X			X
57863F	550-204613-1	I-B-20230711	550-204613-3	7/11/2023	Stage 2A	Water		X				X						X	X				X			X
57863F	550-204613-1	I-R-20230711	550-204613-4	7/11/2023	Stage 2A	Water		X				X						X	X				X			X
57863F	550-204613-1	I-Y-20230711	550-204613-5	7/11/2023	Stage 2A	Water		X				X						X	X				X			X
57863F	550-204613-1	I-L-20230711	550-204613-6	7/11/2023	Stage 2A	Water	FD7	X				X						X	X				X			X
57863F	550-204613-1	I-S-20230711	550-204613-7	7/11/2023	Stage 2A	Water		X				X						X	X				X			X
57863F	550-204613-1	I-AR-20230711	550-204613-8	7/11/2023	Stage 2A	Water		X				X						X	X				X			X
57863F	550-204613-1	I-L-20230711-FD	550-204613-9	7/11/2023	Stage 2A	Water	FD7	X				X						X	X				X			X
57863G	550-204819-1	I-AC-20230713	550-204819-1	7/13/2023	Stage 2A	Water		X				X						X	X				X			X
57863G	550-204819-1	I-AD-20230713	550-204819-2	7/13/2023	Stage 2A	Water		X				X						X	X				X			X
57863G	550-204819-1	I-K-20230713	550-204819-3	7/13/2023	Stage 2A	Water		X				X						X	X				X			X
57863G	550-204819-1	I-J-20230713	550-204819-4	7/13/2023	Stage 2A	Water		X				X						X	X				X			X
57863G	550-204819-1	I-Z-20230713	550-204819-5	7/13/2023	Stage 2A	Water		X				X						X	X				X			X
57863G	550-204819-1	I-I-20230713	550-204819-6	7/13/2023	Stage 2A	Water		X				X						X	X				X			X
57863G	550-204819-1	I-V-20230713	550-204819-7	7/13/2023	Stage 2A	Water		X				X						X	X				X			X
57863H	550-204820-1	I-C-20230713	550-204820-1	7/13/2023	Stage 2A	Water		X				X						X	X				X			X
57863H	550-204820-1	I-F-20230713	550-204820-2	7/13/2023	Stage 2A	Water		X				X						X	X				X			X
57863H	550-204820-1	I-X-20230713	550-204820-3	7/13/2023	Stage 2A	Water		X				X						X	X				X			X
57863H	550-204820-1	I-N-20230713	550-204820-4	7/13/2023	Stage 2A	Water		X				X						X	X				X			X
57863H	550-204820-1	I-E-20230713	550-204820-5	7/13/2023	Stage 2A	Water		X				X						X	X				X			X
57863H	550-204820-1	I-M-20230713	550-204820-6	7/13/2023	Stage 2A	Water		X				X						X	X				X			X
57863H	550-204820-1	I-D-20230713	550-204820-7	7/13/2023	Stage 2A	Water		X				X						X	X				X			X
57863H	550-204820-1	I-M-20230713-EB	550-204820-8	7/13/2023	Stage 2A	Water	EB	X				X						X	X				X			X
57863I	550-204821-1	I-Q-20230713	550-204821-1	7/13/2023	Stage 2A	Water		X				X						X	X				X			X
57863I	550-204821-1	I-G-20230713	550-204821-2	7/13/2023	Stage 2A	Water		X				X						X	X				X			X

Table I. Sample Cross-Reference

LDC	SDG	Client Sample ID	Lab ID	Sample Date	Validation Level	Matrix	QC Type	Chromium (200.7)	Metals (200.7)	Cr(VI) (7199)	Cl (300.0)	NO3-N (300.0)	NO2/NO3-N (300.0)	NO2-N (300.0)	NO2/NO3-N (300.0)	SO4 (300.0)	Total Inorganic Nitrogen (Calc.)	Chlorate (300.1B)	ClO4 (314.0)	NH3-N (E350.1)	Phenolics (E420.4)	Conductivity (SM2510)	TDS (SM2540C)	TOC (SM5310B)	TOX (SW9020)	Field pH
57863I	550-204821-1	I-T-20230713	550-204821-3	7/13/2023	Stage 2A	Water		X				X						X	X				X			X
57863I	550-204821-1	I-U-20230713	550-204821-4	7/13/2023	Stage 2A	Water		X				X						X	X				X			X
57863I	550-204821-1	I-H-20230713	550-204821-5	7/13/2023	Stage 2A	Water		X				X						X	X				X			X
57863I	550-204821-1	I-P-20230713	550-204821-6	7/13/2023	Stage 2A	Water		X				X						X	X				X			X
57863I	550-204821-1	I-W-20230713	550-204821-7	7/13/2023	Stage 2A	Water		X				X						X	X				X			X
57863I	550-204821-1	I-O-20230713	550-204821-8	7/13/2023	Stage 2A	Water		X				X						X	X				X			X
57863J	L1632699	ART-1A-20230706	L1632699-01	7/6/2023	Stage 2A	Water				X																
57863J	L1632699	ART-2/2A-20230706	L1632699-02	7/6/2023	Stage 2A	Water				X																
57863J	L1632699	ART-3A-20230706	L1632699-03	7/6/2023	Stage 2A	Water				X																
57863J	L1632699	ART-4A-20230706	L1632699-04	7/6/2023	Stage 2A	Water				X																
57863J	L1632699	ART-7A-20230706	L1632699-05	7/6/2023	Stage 2A	Water				X																
57863J	L1632699	ART-8A-20230706	L1632699-06	7/6/2023	Stage 2A	Water	FD2			X																
57863J	L1632699	ART-9-20230706	L1632699-07	7/6/2023	Stage 2A	Water				X																
57863J	L1632699	PC-150-20230706	L1632699-08	7/6/2023	Stage 2A	Water				X																
57863J	L1632699	ART-8A-20230706-FD	L1632699-09	7/6/2023	Stage 2A	Water	FD2			X																
57863J	L1632699	ART-9-20230706-EB	L1632699-10	7/6/2023	Stage 2A	Water	EB			X																
57863K	L1632700	PC-99R2/R3-20230706	L1632700-01	7/6/2023	Stage 2A	Water				X																
57863K	L1632700	PC-115R-20230706	L1632700-02	7/6/2023	Stage 2A	Water				X																
57863K	L1632700	PC-116R-20230706	L1632700-03	7/6/2023	Stage 2A	Water				X																
57863K	L1632700	PC-117-20230706	L1632700-04	7/6/2023	Stage 2A	Water				X																
57863K	L1632700	PC-118-20230706	L1632700-05	7/6/2023	Stage 2A	Water				X																
57863K	L1632700	PC-119-20230706	L1632700-06	7/6/2023	Stage 2A	Water				X																
57863K	L1632700	PC-120-20230706	L1632700-07	7/6/2023	Stage 2A	Water				X																
57863K	L1632700	PC-121-20230706	L1632700-08	7/6/2023	Stage 2A	Water				X																
57863K	L1632700	PC-133-20230706	L1632700-09	7/6/2023	Stage 2A	Water	FD1			X																
57863K	L1632700	PC-133-20230706-FD	L1632700-10	7/6/2023	Stage 2A	Water	FD1			X																
57863K	L1632700	PC-99R2/R3-20230706-EB	L1632700-11	7/6/2023	Stage 2A	Water	EB			X																
57863L	L1633648	E1-1-20230710	L1633648-01	7/10/2023	Stage 2A	Water				X																
57863L	L1633648	E1-2-20230710	L1633648-02	7/10/2023	Stage 2A	Water				X																
57863L	L1633648	E1-3-20230710	L1633648-03	7/10/2023	Stage 2A	Water	FD3			X																
57863L	L1633648	E2-1-20230710	L1633648-04	7/10/2023	Stage 2A	Water				X																

Table I. Sample Cross-Reference

LDC	SDG	Client Sample ID	Lab ID	Sample Date	Validation Level	Matrix	QC Type	Chromium (200.7)	Metals (200.7)	Cr(VI) (7199)	Cl (300.0)	NO3-N (300.0)	NO2/NO3-N (300.0)	NO2-N (300.0)	NO2/NO3-N (300.0)	SO4 (300.0)	Total Inorganic Nitrogen (Calc.)	Chlorate (300.1B)	ClO4 (314.0)	NH3-N (E350.1)	Phenolics (E420.4)	Conductivity (SM2510)	TDS (SM2540C)	TOC (SM5310B)	TOX (SW9020)	Field pH
57863L	L1633648	E2-2-20230710	L1633648-05	7/10/2023	Stage 2A	Water				X																
57863L	L1633648	E2-3-20230710	L1633648-06	7/10/2023	Stage 2A	Water				X																
57863L	L1633648	E2-4-20230710	L1633648-07	7/10/2023	Stage 2A	Water				X																
57863L	L1633648	E2-5-20230710	L1633648-08	7/10/2023	Stage 2A	Water				X																
57863L	L1633648	E1-3-20230710-FD	L1633648-09	7/10/2023	Stage 2A	Water	FD3			X																
57863L	L1633648	E2-1-20230710-EB	L1633648-10	7/10/2023	Stage 2A	Water	EB			X																
57863M	L1633830	I-AA-20230711	L1633830-01	7/11/2023	Stage 2A	Water				X																
57863M	L1633830	I-AB-20230711	L1633830-02	7/11/2023	Stage 2A	Water				X																
57863M	L1633830	I-B-20230711	L1633830-03	7/11/2023	Stage 2A	Water				X																
57863M	L1633830	I-R-20230711	L1633830-04	7/11/2023	Stage 2A	Water				X																
57863M	L1633830	I-Y-20230711	L1633830-05	7/11/2023	Stage 2A	Water				X																
57863M	L1633830	I-L-20230711	L1633830-06	7/11/2023	Stage 2A	Water	FD7			X																
57863M	L1633830	I-S-20230711	L1633830-07	7/11/2023	Stage 2A	Water				X																
57863M	L1633830	I-AR-20230711	L1633830-08	7/11/2023	Stage 2A	Water				X																
57863M	L1633830	I-L-20230711-FD	L1633830-09	7/11/2023	Stage 2A	Water	FD7			X																
57863N	L1635085	I-C-20230713	L1635085-01	7/13/2023	Stage 2A	Water																				
57863N	L1635085	I-F-20230713	L1635085-02	7/13/2023	Stage 2A	Water				X																
57863N	L1635085	I-X-20230713	L1635085-03	7/13/2023	Stage 2A	Water				X																
57863N	L1635085	I-N-20230713	L1635085-04	7/13/2023	Stage 2A	Water				X																
57863N	L1635085	I-E-20230713	L1635085-05	7/13/2023	Stage 2A	Water				X																
57863N	L1635085	I-M-20230713	L1635085-06	7/13/2023	Stage 2A	Water				X																
57863N	L1635085	I-D-20230713	L1635085-07	7/13/2023	Stage 2A	Water				X																
57863N	L1635085	I-M-20230713-EB	L1635085-08	7/13/2023	Stage 2A	Water	EB			X																
57863O	L1635087	I-Q-20230713	L1635087-01	7/13/2023	Stage 2A	Water				X																
57863O	L1635087	I-G-20230713	L1635087-02	7/13/2023	Stage 2A	Water				X																
57863O	L1635087	I-T-20230713	L1635087-03	7/13/2023	Stage 2A	Water				X																
57863O	L1635087	I-U-20230713	L1635087-04	7/13/2023	Stage 2A	Water				X																
57863O	L1635087	I-H-20230713	L1635087-05	7/13/2023	Stage 2A	Water				X																
57863O	L1635087	I-P-20230713	L1635087-06	7/13/2023	Stage 2A	Water				X																
57863O	L1635087	I-W-20230713	L1635087-07	7/13/2023	Stage 2A	Water				X																
57863O	L1635087	I-O-20230713	L1635087-08	7/13/2023	Stage 2A	Water				X																

Table I. Sample Cross-Reference

LDC	SDG	Client Sample ID	Lab ID	Sample Date	Validation Level	Matrix	QC Type	Chromium (200.7)	Metals (200.7)	Cr(VI) (7199)	Cl (300.0)	NO3-N (300.0)	NO2/NO3-N (300.0)	NO2-N (300.0)	NO2/NO3-N (300.0)	SO4 (300.0)	Total Inorganic Nitrogen (Calc.)	Chlorate (300.1B)	ClO4 (314.0)	NH3-N (E350.1)	Phenolics (E420.4)	Conductivity (SM2510)	TDS (SM2540C)	TOC (SM5310B)	TOX (SW9020)	Field pH
57863P	L1635088	I-AC-20230713	L1635088-01	7/13/2023	Stage 2A	Water				X																
57863P	L1635088	I-AD-20230713	L1635088-02	7/13/2023	Stage 2A	Water				X																
57863P	L1635088	I-K-20230713	L1635088-03	7/13/2023	Stage 2A	Water				X																
57863P	L1635088	I-J-20230713	L1635088-04	7/13/2023	Stage 2A	Water				X																
57863P	L1635088	I-Z-20230713	L1635088-05	7/13/2023	Stage 2A	Water				X																
57863P	L1635088	I-I-20230713	L1635088-06	7/13/2023	Stage 2A	Water				X																
57863P	L1635088	I-V-20230713	L1635088-07	7/13/2023	Stage 2A	Water				X																
57863Q	L1637164	I-C-20230720	L1637164-01	7/20/2023	Stage 2A	Water				X																
57864A	550-205753-1	I-AA-20230801	550-205753-1	8/1/2023	Stage 2A	Water		X				X						X	X				X			X
57864A	550-205753-1	I-AB-20230801	550-205753-2	8/1/2023	Stage 2A	Water		X				X						X	X				X			X
57864A	550-205753-1	I-B-20230801	550-205753-3	8/1/2023	Stage 2A	Water		X				X						X	X				X			X
57864A	550-205753-1	I-R-20230801	550-205753-4	8/1/2023	Stage 2A	Water		X				X						X	X				X			X
57864A	550-205753-1	I-Y-20230801	550-205753-5	8/1/2023	Stage 2A	Water		X				X						X	X				X			X
57864A	550-205753-1	I-L-20230801	550-205753-6	8/1/2023	Stage 2A	Water		X				X						X	X				X			X
57864A	550-205753-1	I-S-20230801	550-205753-7	8/1/2023	Stage 2A	Water		X				X						X	X				X			X
57864A	550-205753-1	I-AR-20230801	550-205753-8	8/1/2023	Stage 2A	Water		X				X						X	X				X			X
57864B	550-205754-1	I-C-20230801	550-205754-1	8/1/2023	Stage 2A	Water		X				X						X	X				X			X
57864B	550-205754-1	I-F-20230801	550-205754-2	8/1/2023	Stage 2A	Water		X				X						X	X				X			X
57864B	550-205754-1	I-X-20230801	550-205754-3	8/1/2023	Stage 2A	Water		X				X						X	X				X			X
57864B	550-205754-1	I-N-20230801	550-205754-4	8/1/2023	Stage 2A	Water	FD8	X				X						X	X				X			X
57864B	550-205754-1	I-E-20230801	550-205754-5	8/1/2023	Stage 2A	Water		X				X						X	X				X			X
57864B	550-205754-1	I-M-20230801	550-205754-6	8/1/2023	Stage 2A	Water		X				X						X	X				X			X
57864B	550-205754-1	I-D-20230801	550-205754-7	8/1/2023	Stage 2A	Water		X				X						X	X				X			X
57864B	550-205754-1	I-N-20230801-FD	550-205754-8	8/1/2023	Stage 2A	Water	FD8	X				X						X	X				X			X
57864C	550-205871-1	LVW0.55-1.0-20230801	550-205871-1	8/1/2023	Stage 2A	Water	FD9											X	X				X			
57864C	550-205871-1	LVW0.55-1.0-20230801-FD	550-205871-2	8/1/2023	Stage 2A	Water	FD9											X	X				X			
57864C	550-205871-1	LVW0.55-20230801-FB	550-205871-3	8/1/2023	Stage 2A	Water	FB											X	X				X			
57864C	550-205871-1	LVW3.5-1-1.2-20230801	550-205871-4	8/1/2023	Stage 2A	Water												X	X				X			
57864C	550-205871-1	LVW3.5-2-1.0-20230801	550-205871-5	8/1/2023	Stage 2A	Water												X	X				X			
57864C	550-205871-1	LVW3.5-3-1.2-20230801	550-205871-6	8/1/2023	Stage 2A	Water												X	X				X			
57864C	550-205871-1	LVW3.5-4-1.2-20230801	550-205871-7	8/1/2023	Stage 2A	Water												X	X				X			

Table I. Sample Cross-Reference

LDC	SDG	Client Sample ID	Lab ID	Sample Date	Validation Level	Matrix	QC Type	Chromium (200.7)	Metals (200.7)	Cr(VI) (7199)	Cl (300.0)	NO3-N (300.0)	NO2/NO3-N (300.0)	NO2-N (300.0)	NO2/NO3-N (300.0)	SO4 (300.0)	Total Inorganic Nitrogen (Calc.)	Chlorate (300.1B)	ClO4 (314.0)	NH3-N (E350.1)	Phenolics (E420.4)	Conductivity (SM2510)	TDS (SM2540C)	TOC (SM5310B)	TOX (SW9020)	Field pH
57864C	550-205871-1	LVW3.5-5-1.5-20230801	550-205871-8	8/1/2023	Stage 2A	Water												X	X				X			
57864C	550-205871-1	LVW3.5-6-1.7-20230801	550-205871-9	8/1/2023	Stage 2A	Water												X	X				X			
57864C	550-205871-1	LVW4.2-1-2.7-20230801	550-205871-10	8/1/2023	Stage 2A	Water												X	X				X			
57864C	550-205871-1	LVW4.2-2-3.0-20230801	550-205871-11	8/1/2023	Stage 2A	Water												X	X				X			
57864C	550-205871-1	LVW4.2-3-3.1-20230801	550-205871-12	8/1/2023	Stage 2A	Water												X	X				X			
57864C	550-205871-1	LVW4.2-4-1.7-20230801	550-205871-13	8/1/2023	Stage 2A	Water												X	X				X			
57864C	550-205871-1	LVW4.75-1-1.7-20230801	550-205871-14	8/1/2023	Stage 2A	Water												X	X				X			
57864C	550-205871-1	LVW4.75-2-1.2-20230801	550-205871-15	8/1/2023	Stage 2A	Water												X	X				X			
57864C	550-205871-1	LVW4.75-3-1.1-20230801	550-205871-16	8/1/2023	Stage 2A	Water												X	X				X			
57864C	550-205871-1	LVW4.75-4-1.3-20230801	550-205871-17	8/1/2023	Stage 2A	Water												X	X				X			
57864C	550-205871-1	LVW4.75-5-1.2-20230801	550-205871-18	8/1/2023	Stage 2A	Water												X	X				X			
57864C	550-205871-1	LVW5.3-1-0.8-20230801	550-205871-19	8/1/2023	Stage 2A	Water												X	X				X			
57864C	550-205871-1	LVW5.3-2-3.5-20230801	550-205871-20	8/1/2023	Stage 2A	Water												X	X				X			
57864C	550-205871-1	LVW5.3-3-1.5-20230801	550-205871-21	8/1/2023	Stage 2A	Water												X	X				X			
57864C	550-205871-1	LVW5.3-4-1.0-20230801	550-205871-22	8/1/2023	Stage 2A	Water												X	X				X			
57864C	550-205871-1	LVW5.3-5-0.5-20230801	550-205871-23	8/1/2023	Stage 2A	Water												X	X				X			
57864C	550-205871-1	LVW5.3-6-0.4-20230801	550-205871-24	8/1/2023	Stage 2A	Water												X	X				X			
57864C	550-205871-1	C1-E-0.0-20230801	550-205871-25	8/1/2023	Stage 2A	Water												X	X				X			
57864C	550-205871-1	C1-W-0.0-20230801	550-205871-26	8/1/2023	Stage 2A	Water												X	X				X			
57864C	550-205871-1	LVW6.05-1.0-20230802	550-205871-27	8/2/2023	Stage 2A	Water	FD10											X	X				X			
57864C	550-205871-1	LVW6.05-1.0-20230802-FD	550-205871-28	8/2/2023	Stage 2A	Water	FD10											X	X				X			
57864C	550-205871-1	LVW6.05-20230802-FB	550-205871-29	8/2/2023	Stage 2A	Water	FB											X	X				X			
57864C	550-205871-1	LVW6.6-1-1.0-20230802	550-205871-30	8/2/2023	Stage 2A	Water												X	X				X			
57864C	550-205871-1	LVW6.6-2-2.8-20230802	550-205871-31	8/2/2023	Stage 2A	Water												X	X				X			
57864C	550-205871-1	LVW6.6-3-0.8-20230802	550-205871-32	8/2/2023	Stage 2A	Water												X	X				X			
57864C	550-205871-1	LVW7.2-1.4-20230802	550-205871-33	8/2/2023	Stage 2A	Water	FD11											X	X				X			
57864C	550-205871-1	LVW7.2-1.4-20230802-FD	550-205871-34	8/2/2023	Stage 2A	Water	FD11											X	X				X			
57864C	550-205871-1	LVW8.85-1.3-20230802	550-205871-35	8/2/2023	Stage 2A	Water												X	X				X			
57864D	550-205942-1	M-44-20230803	550-205942-1	8/3/2023	Stage 2A	Water		X											X				X			
57864E	550-206001-1	M-37-20230804	550-206001-1	8/4/2023	Stage 2A	Water		X											X				X			
57864E	550-206001-1	M-38-20230804	550-206001-2	8/4/2023	Stage 2A	Water		X											X				X			

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LDC	SDG	Client Sample ID	Lab ID	Sample Date	Validation Level	Matrix	QC Type	Chromium (200.7)	Metals (200.7)	Cr(VI) (7199)	Cl (300.0)	NO3-N (300.0)	NO2/NO3-N (300.0)	NO2-N (300.0)	NO2/NO3-N (300.0)	SO4 (300.0)	Total Inorganic Nitrogen (Calc.)	Chlorate (300.1B)	ClO4 (314.0)	NH3-N (E350.1)	Phenolics (E420.4)	Conductivity (SM2510)	TDS (SM2540C)	TOC (SM5310B)	TOX (SW9020)	Field pH
57864F	550-206002-1	M-6A-20230804	550-206002-1	8/4/2023	Stage 2A	Water			X		X					X			X		X	X	X	X	X	
57864F	550-206002-1	M-7B-20230804	550-206002-2	8/4/2023	Stage 2A	Water			X		X					X			X		X	X	X	X	X	
57864F	550-206002-1	M-5A-20230804	550-206002-3	8/4/2023	Stage 2A	Water			X		X					X			X		X	X	X	X	X	
57864G	550-206006-1	H-28A-20230804	550-206006-1	8/4/2023	Stage 2A	Water			X		X					X			X		X	X	X	X	X	
57864H	550-206008-1	M-80-20230804	550-206008-1	8/4/2023	Stage 2A	Water		X											X				X			
57864H	550-206008-1	M-11-20230804	550-206008-2	8/4/2023	Stage 2A	Water		X											X				X			
57864H	550-206008-1	M-12A-20230804	550-206008-3	8/4/2023	Stage 2A	Water	FD12	X											X				X			
57864H	550-206008-1	M-12A-20230804-FD	550-206008-4	8/4/2023	Stage 2A	Water	FD12	X											X				X			
57864H	550-206008-1	M-12A-20230804-FB	550-206008-5	8/4/2023	Stage 2A	Water	FB	X											X				X			
57864H	550-206008-1	M-12A-20230804-EB	550-206008-6	8/4/2023	Stage 2A	Water	EB	X											X				X			
57864I	550-206100-1	E1-1-20230808	550-206100-1	8/8/2023	Stage 2A	Water		X				X						X	X				X			X
57864I	550-206100-1	E1-2-20230808	550-206100-2	8/8/2023	Stage 2A	Water		X				X						X	X				X			X
57864I	550-206100-1	E1-3-20230808	550-206100-3	8/8/2023	Stage 2A	Water		X				X						X	X				X			X
57864I	550-206100-1	E2-1-20230808	550-206100-4	8/8/2023	Stage 2A	Water		X				X						X	X				X			X
57864I	550-206100-1	E2-2-20230808	550-206100-5	8/8/2023	Stage 2A	Water		X				X						X	X				X			X
57864I	550-206100-1	E2-3-20230808	550-206100-6	8/8/2023	Stage 2A	Water	FD13	X				X						X	X				X			X
57864I	550-206100-1	E2-4-20230808	550-206100-7	8/8/2023	Stage 2A	Water		X				X						X	X				X			X
57864I	550-206100-1	E2-5-20230808	550-206100-8	8/8/2023	Stage 2A	Water		X				X						X	X				X			X
57864I	550-206100-1	E2-3-20230808-FD	550-206100-9	8/8/2023	Stage 2A	Water	FD13	X				X						X	X				X			X
57864I	550-206100-1	E2-4-20230808-EB	550-206100-10	8/8/2023	Stage 2A	Water	EB	X				X						X	X				X			X
57864J	550-206101-1	I-Q-20230808	550-206101-1	8/8/2023	Stage 2A	Water		X				X						X	X				X			X
57864J	550-206101-1	I-G-20230808	550-206101-2	8/8/2023	Stage 2A	Water		X				X						X	X				X			X
57864J	550-206101-1	I-T-20230808	550-206101-3	8/8/2023	Stage 2A	Water		X				X						X	X				X			X
57864J	550-206101-1	I-U-20230808	550-206101-4	8/8/2023	Stage 2A	Water		X				X						X	X				X			X
57864J	550-206101-1	I-H-20230808	550-206101-5	8/8/2023	Stage 2A	Water		X				X						X	X				X			X
57864J	550-206101-1	I-P-20230808	550-206101-6	8/8/2023	Stage 2A	Water		X				X						X	X				X			X
57864J	550-206101-1	I-W-20230808	550-206101-7	8/8/2023	Stage 2A	Water		X				X						X	X				X			X
57864J	550-206101-1	I-O-20230808	550-206101-8	8/8/2023	Stage 2A	Water		X				X						X	X				X			X
57864J	550-206101-1	I-O-20230808-EB	550-206101-9	8/8/2023	Stage 2A	Water	EB	X				X						X	X				X			X
57864K	550-206180-1	I-AC-20230809	550-206180-1	8/9/2023	Stage 2A	Water		X				X						X	X				X			X
57864K	550-206180-1	I-AD-20230809	550-206180-2	8/9/2023	Stage 2A	Water		X				X						X	X				X			X

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LDC	SDG	Client Sample ID	Lab ID	Sample Date	Validation Level	Matrix	QC Type	Chromium (200.7)	Metals (200.7)	Cr(VI) (7199)	Cl (300.0)	NO3-N (300.0)	NO2/NO3-N (300.0)	NO2-N (300.0)	NO2/NO3-N (300.0)	SO4 (300.0)	Total Inorganic Nitrogen (Calc.)	Chlorate (300.1B)	ClO4 (314.0)	NH3-N (E350.1)	Phenolics (E420.4)	Conductivity (SM2510)	TDS (SM2540C)	TOC (SM5310B)	TOX (SW9020)	Field pH
57864K	550-206180-1	I-K-20230809	550-206180-3	8/9/2023	Stage 2A	Water		X				X						X	X				X			X
57864K	550-206180-1	I-J-20230809	550-206180-4	8/9/2023	Stage 2A	Water		X				X						X	X				X			X
57864K	550-206180-1	I-Z-20230809	550-206180-5	8/9/2023	Stage 2A	Water		X				X						X	X				X			X
57864K	550-206180-1	I-I-20230809	550-206180-6	8/9/2023	Stage 2A	Water		X				X						X	X				X			X
57864K	550-206180-1	I-V-20230809	550-206180-7	8/9/2023	Stage 2A	Water		X				X						X	X				X			X
57864L	550-206269-1	ART-1A-20230810	550-206269-1	8/10/2023	Stage 2A	Water		X				X						X	X				X			X
57864L	550-206269-1	ART-2/2A-20230810	550-206269-2	8/10/2023	Stage 2A	Water		X				X						X	X				X			X
57864L	550-206269-1	ART-3A-20230810	550-206269-3	8/10/2023	Stage 2A	Water		X				X						X	X				X			X
57864L	550-206269-1	ART-4-20230810	550-206269-4	8/10/2023	Stage 2A	Water		X				X						X	X				X			X
57864L	550-206269-1	ART-7A-20230810	550-206269-5	8/10/2023	Stage 2A	Water		X				X						X	X				X			X
57864L	550-206269-1	ART-8A-20230810	550-206269-6	8/10/2023	Stage 2A	Water		X				X						X	X				X			X
57864L	550-206269-1	ART-9-20230810	550-206269-7	8/10/2023	Stage 2A	Water		X				X						X	X				X			X
57864L	550-206269-1	PC-150-20230810	550-206269-8	8/10/2023	Stage 2A	Water	FD14	X				X						X	X				X			X
57864L	550-206269-1	PC-150-20230810-FD	550-206269-9	8/10/2023	Stage 2A	Water	FD14	X				X						X	X				X			X
57864L	550-206269-1	ART-1A-20230810-EB	550-206269-10	8/10/2023	Stage 2A	Water	EB	X				X						X	X				X			X
57864M	550-206270-1	PC-99R2/R3-20230810	550-206270-1	8/10/2023	Stage 2A	Water		X				X						X	X				X			X
57864M	550-206270-1	PC-115R-20230810	550-206270-2	8/10/2023	Stage 2A	Water	FD15	X				X						X	X				X			X
57864M	550-206270-1	PC-116R-20230810	550-206270-3	8/10/2023	Stage 2A	Water		X				X						X	X				X			X
57864M	550-206270-1	PC-117-20230810	550-206270-4	8/10/2023	Stage 2A	Water		X				X						X	X				X			X
57864M	550-206270-1	PC-118-20230810	550-206270-5	8/10/2023	Stage 2A	Water		X				X						X	X				X			X
57864M	550-206270-1	PC-119-20230810	550-206270-6	8/10/2023	Stage 2A	Water		X				X						X	X				X			X
57864M	550-206270-1	PC-120-20230810	550-206270-7	8/10/2023	Stage 2A	Water		X				X						X	X				X			X
57864M	550-206270-1	PC-121-20230810	550-206270-8	8/10/2023	Stage 2A	Water		X				X						X	X				X			X
57864M	550-206270-1	PC-133-20230810	550-206270-9	8/10/2023	Stage 2A	Water		X				X						X	X				X			X
57864M	550-206270-1	PC-115R-20230810-FD	550-206270-10	8/10/2023	Stage 2A	Water	FD15	X				X						X	X				X			X
57864M	550-206270-1	PC-116R-20230810-EB	550-206270-11	8/10/2023	Stage 2A	Water	EB	X				X						X	X				X			X
57864N	L1641037	I-C-20230801	L1641037-01	8/1/2023	Stage 2A	Water				X																
57864N	L1641037	I-F-20230801	L1641037-02	8/1/2023	Stage 2A	Water				X																
57864N	L1641037	I-X-20230801	L1641037-03	8/1/2023	Stage 2A	Water				X																
57864N	L1641037	I-N-20230801	L1641037-04	8/1/2023	Stage 2A	Water	FD8			X																
57864N	L1641037	I-E-20230801	L1641037-05	8/1/2023	Stage 2A	Water				X																

Table I. Sample Cross-Reference

LDC	SDG	Client Sample ID	Lab ID	Sample Date	Validation Level	Matrix	QC Type	Chromium (200.7)	Metals (200.7)	Cr(VI) (7199)	Cl (300.0)	NO3-N (300.0)	NO2/NO3-N (300.0)	NO2-N (300.0)	NO2/NO3-N (300.0)	SO4 (300.0)	Total Inorganic Nitrogen (Calc.)	Chlorate (300.1B)	ClO4 (314.0)	NH3-N (E350.1)	Phenolics (E420.4)	Conductivity (SM2510)	TDS (SM2540C)	TOC (SM5310B)	TOX (SW9020)	Field pH
57864N	L1641037	I-M-20230801	L1641037-06	8/1/2023	Stage 2A	Water				X																
57864N	L1641037	I-D-20230801	L1641037-07	8/1/2023	Stage 2A	Water				X																
57864N	L1641037	I-N-20230801-FD	L1641037-08	8/1/2023	Stage 2A	Water	FD8			X																
57864O	L1641046	I-AA-20230801	L1641046-01	8/1/2023	Stage 2A	Water				X																
57864O	L1641046	I-AB-20230801	L1641046-02	8/1/2023	Stage 2A	Water				X																
57864O	L1641046	I-B-20230801	L1641046-03	8/1/2023	Stage 2A	Water				X																
57864O	L1641046	I-R-20230801	L1641046-04	8/1/2023	Stage 2A	Water				X																
57864O	L1641046	I-Y-20230801	L1641046-05	8/1/2023	Stage 2A	Water				X																
57864O	L1641046	I-L-20230801	L1641046-06	8/1/2023	Stage 2A	Water				X																
57864O	L1641046	I-S-20230801	L1641046-07	8/1/2023	Stage 2A	Water				X																
57864O	L1641046	I-AR-20230801	L1641046-08	8/1/2023	Stage 2A	Water				X																
57864P	L1642210	M-44-20230803	L1642210-01	8/3/2023	Stage 2A	Water				X																
57864Q	L1642662	M-80-20230804	L1642662-01	8/4/2023	Stage 2A	Water				X																
57864Q	L1642662	M-11-20230804	L1642662-02	8/4/2023	Stage 2A	Water				X																
57864Q	L1642662	M-12A-20230804	L1642662-03	8/4/2023	Stage 2A	Water	FD12			X																
57864Q	L1642662	M-12A-20230804-FD	L1642662-04	8/4/2023	Stage 2A	Water	FD12			X																
57864Q	L1642662	M-12A-20230804-FB	L1642662-05	8/4/2023	Stage 2A	Water	FB			X																
57864Q	L1642662	M-12A-20230804-EB	L1642662-06	8/4/2023	Stage 2A	Water	EB			X																
57864Q	L1642662	M-37-20230804	L1642662-07	8/4/2023	Stage 2A	Water				X																
57864Q	L1642662	M-38-20230804	L1642662-08	8/4/2023	Stage 2A	Water				X																
57864R	L1644082	I-AC-20230809	L1644082-01	8/9/2023	Stage 2A	Water				X																
57864R	L1644082	I-AD-20230809	L1644082-02	8/9/2023	Stage 2A	Water				X																
57864R	L1644082	I-K-20230809	L1644082-03	8/9/2023	Stage 2A	Water				X																
57864R	L1644082	I-J-20230809	L1644082-04	8/9/2023	Stage 2A	Water				X																
57864R	L1644082	I-Z-20230809	L1644082-05	8/9/2023	Stage 2A	Water				X																
57864R	L1644082	I-I-20230809	L1644082-06	8/9/2023	Stage 2A	Water				X																
57864R	L1644082	I-V-20230809	L1644082-07	8/9/2023	Stage 2A	Water				X																
57864S	L1644551	PC-99R2/R3-20230810	L1644551-01	8/10/2023	Stage 2A	Water				X																
57864S	L1644551	PC-115R-20230810	L1644551-02	8/10/2023	Stage 2A	Water	FD15			X																
57864S	L1644551	PC-116R-20230810	L1644551-03	8/10/2023	Stage 2A	Water				X																
57864S	L1644551	PC-117-20230810	L1644551-04	8/10/2023	Stage 2A	Water				X																

Table I. Sample Cross-Reference

LDC	SDG	Client Sample ID	Lab ID	Sample Date	Validation Level	Matrix	QC Type	Chromium (200.7)	Metals (200.7)	Cr(VI) (7199)	Cl (300.0)	NO3-N (300.0)	NO2/NO3-N (300.0)	NO2-N (300.0)	NO2/NO3-N (300.0)	SO4 (300.0)	Total Inorganic Nitrogen (Calc.)	Chlorate (300.1B)	ClO4 (314.0)	NH3-N (E350.1)	Phenolics (E420.4)	Conductivity (SM2510)	TDS (SM2540C)	TOC (SM5310B)	TOX (SW9020)	Field pH
57864S	L1644551	PC-118-20230810	L1644551-05	8/10/2023	Stage 2A	Water				X																
57864S	L1644551	PC-119-20230810	L1644551-06	8/10/2023	Stage 2A	Water				X																
57864S	L1644551	PC-120-20230810	L1644551-07	8/10/2023	Stage 2A	Water				X																
57864S	L1644551	PC-121-20230810	L1644551-08	8/10/2023	Stage 2A	Water				X																
57864S	L1644551	PC-133-20230810	L1644551-09	8/10/2023	Stage 2A	Water				X																
57864S	L1644551	PC-115R-20230810-FD	L1644551-10	8/10/2023	Stage 2A	Water	FD15			X																
57864S	L1644551	PC-116R-20230810-EB	L1644551-11	8/10/2023	Stage 2A	Water	EB			X																
57864T	L1644556	ART-1A-20230810	L1644556-01	8/10/2023	Stage 2A	Water				X																
57864T	L1644556	ART-2/2A-20230810	L1644556-02	8/10/2023	Stage 2A	Water				X																
57864T	L1644556	ART-3A-20230810	L1644556-03	8/10/2023	Stage 2A	Water				X																
57864T	L1644556	ART-4-20230810	L1644556-04	8/10/2023	Stage 2A	Water				X																
57864T	L1644556	ART-7A-20230810	L1644556-05	8/10/2023	Stage 2A	Water				X																
57864T	L1644556	ART-8A-20230810	L1644556-06	8/10/2023	Stage 2A	Water				X																
57864T	L1644556	ART-9-20230810	L1644556-07	8/10/2023	Stage 2A	Water				X																
57864T	L1644556	PC-150-20230810	L1644556-08	8/10/2023	Stage 2A	Water	FD14			X																
57864T	L1644556	PC-150-20230810-FD	L1644556-09	8/10/2023	Stage 2A	Water	FD14			X																
57864T	L1644556	ART-1A-20230810-EB	L1644556-10	8/10/2023	Stage 2A	Water	EB			X																
57864U	L1647125	E1-1-20230817	L1647125-01	8/17/2023	Stage 2A	Water				X																
57864U	L1647125	E1-2-20230817	L1647125-02	8/17/2023	Stage 2A	Water				X																
57864U	L1647125	E1-3-20230817	L1647125-03	8/17/2023	Stage 2A	Water				X																
57864U	L1647125	E2-1-20230817	L1647125-04	8/17/2023	Stage 2A	Water				X																
57864U	L1647125	E2-2-20230817	L1647125-05	8/17/2023	Stage 2A	Water				X																
57864U	L1647125	E2-3-20230817	L1647125-06	8/17/2023	Stage 2A	Water	FD16			X																
57864U	L1647125	E2-4-20230817	L1647125-07	8/17/2023	Stage 2A	Water				X																
57864U	L1647125	E2-5-20230817	L1647125-08	8/17/2023	Stage 2A	Water				X																
57864U	L1647125	E2-3-20230817-FD	L1647125-09	8/17/2023	Stage 2A	Water	FD16			X																
57864U	L1647125	E2-4-20230817-EB	L1647125-10	8/17/2023	Stage 2A	Water	EB			X																
57864V	L1647129	I-Q-20230817	L1647129-01	8/17/2023	Stage 2A	Water				X																
57864V	L1647129	I-G-20230817	L1647129-02	8/17/2023	Stage 2A	Water				X																
57864V	L1647129	I-T-20230817	L1647129-03	8/17/2023	Stage 2A	Water				X																
57864V	L1647129	I-U-20230817	L1647129-04	8/17/2023	Stage 2A	Water				X																

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LDC	SDG	Client Sample ID	Lab ID	Sample Date	Validation Level	Matrix	QC Type	Chromium (200.7)	Metals (200.7)	Cr(VI) (7199)	Cl (300.0)	NO3-N (300.0)	NO2/NO3-N (300.0)	NO2-N (300.0)	NO2/NO3-N (300.0)	SO4 (300.0)	Total Inorganic Nitrogen (Calc.)	Chlorate (300.1B)	ClO4 (314.0)	NH3-N (E350.1)	Phenolics (E420.4)	Conductivity (SM2510)	TDS (SM2540C)	TOC (SM5310B)	TOX (SW9020)	Field pH
57864V	L1647129	I-H-20230817	L1647129-05	8/17/2023	Stage 2A	Water				X																
57864V	L1647129	I-P-20230817	L1647129-06	8/17/2023	Stage 2A	Water				X																
57864V	L1647129	I-W-20230817	L1647129-07	8/17/2023	Stage 2A	Water				X																
57864V	L1647129	I-O-20230817	L1647129-08	8/17/2023	Stage 2A	Water				X																
57864V	L1647129	I-O-20230817-EB	L1647129-09	8/17/2023	Stage 2A	Water	EB			X																
57864W	550-206007-1	M-10-20230804	550-206007-1	8/4/2023	Stage 2A	Water			X		X	X		X			X		X	X			X			
57961A	550-207285-1	I-Q-20230905	550-207285-1	9/5/2023	Stage 2A	Water		X				X						X	X				X			X
57961A	550-207285-1	I-G-20230905	550-207285-2	9/5/2023	Stage 2A	Water		X				X						X	X				X			X
57961A	550-207285-1	I-T-20230905	550-207285-3	9/5/2023	Stage 2A	Water		X				X						X	X				X			X
57961A	550-207285-1	I-U-20230905	550-207285-4	9/5/2023	Stage 2A	Water		X				X						X	X				X			X
57961A	550-207285-1	I-H-20230905	550-207285-5	9/5/2023	Stage 2A	Water		X				X						X	X				X			X
57961A	550-207285-1	I-P-20230905	550-207285-6	9/5/2023	Stage 2A	Water	FD17	X				X						X	X				X			X
57961A	550-207285-1	I-W-20230905	550-207285-7	9/5/2023	Stage 2A	Water		X				X						X	X				X			X
57961A	550-207285-1	I-O-20230905	550-207285-8	9/5/2023	Stage 2A	Water		X				X						X	X				X			X
57961A	550-207285-1	I-Q-20230905-EB	550-207285-9	9/5/2023	Stage 2A	Water	EB	X				X						X	X				X			X
57961A	550-207285-1	I-P-20230905-FD	550-207285-10	9/5/2023	Stage 2A	Water	FD17	X				X						X	X				X			X
57961B	550-207391-1	LVW0.55-1.5-20230905	550-207391-1	9/5/2023	Stage 2A	Water	FD18											X	X				X			
57961B	550-207391-1	LVW0.55-1.5-20230905-FD	550-207391-2	9/5/2023	Stage 2A	Water	FD18											X	X				X			
57961B	550-207391-1	LVW0.55-20230905-FB	550-207391-3	9/5/2023	Stage 2A	Water	FB											X	X				X			
57961B	550-207391-1	LVW3.5-1-1.4-20230905	550-207391-4	9/5/2023	Stage 2A	Water												X	X				X			
57961B	550-207391-1	LVW3.5-2-2.0-20230905	550-207391-5	9/5/2023	Stage 2A	Water												X	X				X			
57961B	550-207391-1	LVW3.5-3-1.1-20230905	550-207391-6	9/5/2023	Stage 2A	Water												X	X				X			
57961B	550-207391-1	LVW3.5-4-2.2-20230905	550-207391-7	9/5/2023	Stage 2A	Water												X	X				X			
57961B	550-207391-1	LVW3.5-5-1.1-20230905	550-207391-8	9/5/2023	Stage 2A	Water												X	X				X			
57961B	550-207391-1	LVW3.5-6-1.8-20230905	550-207391-9	9/5/2023	Stage 2A	Water												X	X				X			
57961B	550-207391-1	LVW4.2-1-2.2-20230905	550-207391-10	9/5/2023	Stage 2A	Water												X	X				X			
57961B	550-207391-1	LVW4.2-2-3.5-20230905	550-207391-11	9/5/2023	Stage 2A	Water												X	X				X			
57961B	550-207391-1	LVW4.2-3-2.7-20230905	550-207391-12	9/5/2023	Stage 2A	Water												X	X				X			
57961B	550-207391-1	LVW4.2-4-2.0-20230905	550-207391-13	9/5/2023	Stage 2A	Water												X	X				X			
57961B	550-207391-1	LVW4.75-1-1.0-20230905	550-207391-14	9/5/2023	Stage 2A	Water												X	X				X			
57961B	550-207391-1	LVW4.75-2-1.8-20230905	550-207391-15	9/5/2023	Stage 2A	Water												X	X				X			

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LDC	SDG	Client Sample ID	Lab ID	Sample Date	Validation Level	Matrix	QC Type	Chromium (200.7)	Metals (200.7)	Cr(VI) (7199)	Cl (300.0)	NO3-N (300.0)	NO2/NO3-N (300.0)	NO2-N (300.0)	NO2/NO3-N (300.0)	SO4 (300.0)	Total Inorganic Nitrogen (Calc.)	Chlorate (300.1B)	ClO4 (314.0)	NH3-N (E350.1)	Phenolics (E420.4)	Conductivity (SM2510)	TDS (SM2540C)	TOC (SM5310B)	TOX (SW9020)	Field pH
57961B	550-207391-1	LVW4.75-3-1.5-20230905	550-207391-16	9/5/2023	Stage 2A	Water												X	X				X			
57961B	550-207391-1	LVW4.75-4-1.7-20230905	550-207391-17	9/5/2023	Stage 2A	Water												X	X				X			
57961B	550-207391-1	LVW4.75-5-1.4-20230905	550-207391-18	9/5/2023	Stage 2A	Water												X	X				X			
57961B	550-207391-1	LVW5.3-1-1.1-20230905	550-207391-19	9/5/2023	Stage 2A	Water												X	X				X			
57961B	550-207391-1	LVW5.3-2-1.7-20230905	550-207391-20	9/5/2023	Stage 2A	Water												X	X				X			
57961B	550-207391-1	LVW5.3-3-1.4-20230905	550-207391-21	9/5/2023	Stage 2A	Water												X	X				X			
57961B	550-207391-1	LVW5.3-4-1.2-20230905	550-207391-22	9/5/2023	Stage 2A	Water												X	X				X			
57961B	550-207391-1	LVW5.3-5-1.5-20230905	550-207391-23	9/5/2023	Stage 2A	Water												X	X				X			
57961B	550-207391-1	LVW5.3-6-1.0-20230905	550-207391-24	9/5/2023	Stage 2A	Water												X	X				X			
57961B	550-207391-1	C1-E-0.0-20230905	550-207391-25	9/5/2023	Stage 2A	Water												X	X				X			
57961B	550-207391-1	C1-W-0.0-20230905	550-207391-26	9/5/2023	Stage 2A	Water												X	X				X			
57961B	550-207391-1	LVW6.05-0.5-20230906	550-207391-27	9/6/2023	Stage 2A	Water	FD19											X	X				X			
57961B	550-207391-1	LVW6.05-0.5-20230906-FD	550-207391-28	9/6/2023	Stage 2A	Water	FD19											X	X				X			
57961B	550-207391-1	LVW6.05-20230906-FB	550-207391-29	9/6/2023	Stage 2A	Water	FB											X	X				X			
57961B	550-207391-1	LVW6.6-1-1.6-20230906	550-207391-30	9/6/2023	Stage 2A	Water												X	X				X			
57961B	550-207391-1	LVW6.6-2-3.4-20230906	550-207391-31	9/6/2023	Stage 2A	Water												X	X				X			
57961B	550-207391-1	LVW6.6-3-0.5-20230906	550-207391-32	9/6/2023	Stage 2A	Water												X	X				X			
57961B	550-207391-1	LVW7.2-1.3-20230906	550-207391-33	9/6/2023	Stage 2A	Water	FD20											X	X				X			
57961B	550-207391-1	LVW7.2-1.3-20230906-FD	550-207391-34	9/6/2023	Stage 2A	Water	FD20											X	X				X			
57961B	550-207391-1	LVW8.85-0.8-20230906	550-207391-35	9/6/2023	Stage 2A	Water												X	X				X			
57961C	550-207574-1	I-C-20230911	550-207574-1	9/11/2023	Stage 2A	Water		X				X						X	X				X			X
57961C	550-207574-1	I-F-20230911	550-207574-2	9/11/2023	Stage 2A	Water		X				X						X	X				X			X
57961C	550-207574-1	I-X-20230911	550-207574-3	9/11/2023	Stage 2A	Water		X				X						X	X				X			X
57961C	550-207574-1	I-N-20230911	550-207574-4	9/11/2023	Stage 2A	Water		X				X						X	X				X			X
57961C	550-207574-1	I-E-20230911	550-207574-5	9/11/2023	Stage 2A	Water		X				X						X	X				X			X
57961C	550-207574-1	I-M-20230911	550-207574-6	9/11/2023	Stage 2A	Water		X				X						X	X				X			X
57961C	550-207574-1	I-D-20230911	550-207574-7	9/11/2023	Stage 2A	Water		X				X						X	X				X			X
57961D	550-207575-1	E1-1-20230911	550-207575-1	9/11/2023	Stage 2A	Water		X				X						X	X				X			X
57961D	550-207575-1	E1-2-20230911	550-207575-2	9/11/2023	Stage 2A	Water		X				X						X	X				X			X
57961D	550-207575-1	E1-3-20230911	550-207575-3	9/11/2023	Stage 2A	Water		X				X						X	X				X			X
57961D	550-207575-1	E2-1-20230911	550-207575-4	9/11/2023	Stage 2A	Water		X				X						X	X				X			X

Table I. Sample Cross-Reference

LDC	SDG	Client Sample ID	Lab ID	Sample Date	Validation Level	Matrix	QC Type	Chromium (200.7)	Metals (200.7)	Cr(VI) (7199)	Cl (300.0)	NO3-N (300.0)	NO2/NO3-N (300.0)	NO2-N (300.0)	NO2/NO3-N (300.0)	SO4 (300.0)	Total Inorganic Nitrogen (Calc.)	Chlorate (300.1B)	ClO4 (314.0)	NH3-N (E350.1)	Phenolics (E420.4)	Conductivity (SM2510)	TDS (SM2540C)	TOC (SM5310B)	TOX (SW9020)	Field pH
57961D	550-207575-1	E2-2-20230911	550-207575-5	9/11/2023	Stage 2A	Water		X				X						X	X				X			X
57961D	550-207575-1	E2-3-20230911	550-207575-6	9/11/2023	Stage 2A	Water		X				X						X	X				X			X
57961D	550-207575-1	E2-4-20230911	550-207575-7	9/11/2023	Stage 2A	Water		X				X						X	X				X			X
57961D	550-207575-1	E2-5-20230911	550-207575-8	9/11/2023	Stage 2A	Water	FD21	X				X						X	X				X			X
57961D	550-207575-1	E2-5-20230911-FD	550-207575-9	9/11/2023	Stage 2A	Water	FD21	X				X						X	X				X			X
57961D	550-207575-1	E1-1-20230911-EB	550-207575-10	9/11/2023	Stage 2A	Water	EB	X				X						X	X				X			X
57961E	550-207650-1	I-AA-20230912	550-207650-1	9/12/2023	Stage 2A	Water		X				X						X	X				X			X
57961E	550-207650-1	I-AB-20230912	550-207650-2	9/12/2023	Stage 2A	Water		X				X						X	X				X			X
57961E	550-207650-1	I-B-20230912	550-207650-3	9/12/2023	Stage 2A	Water		X				X						X	X				X			X
57961E	550-207650-1	I-R-20230912	550-207650-4	9/12/2023	Stage 2A	Water		X				X						X	X				X			X
57961E	550-207650-1	I-Y-20230912	550-207650-5	9/12/2023	Stage 2A	Water		X				X						X	X				X			X
57961E	550-207650-1	I-L-20230912	550-207650-6	9/12/2023	Stage 2A	Water		X				X						X	X				X			X
57961F	550-207651-1	I-AC-20230912	550-207651-1	9/12/2023	Stage 2A	Water		X				X						X	X				X			X
57961F	550-207651-1	I-AD-20230912	550-207651-2	9/12/2023	Stage 2A	Water		X				X						X	X				X			X
57961F	550-207651-1	I-K-20230912	550-207651-3	9/12/2023	Stage 2A	Water		X				X						X	X				X			X
57961F	550-207651-1	I-J-20230912	550-207651-4	9/12/2023	Stage 2A	Water		X				X						X	X				X			X
57961F	550-207651-1	I-Z-20230912	550-207651-5	9/12/2023	Stage 2A	Water		X				X						X	X				X			X
57961F	550-207651-1	I-I-20230912	550-207651-6	9/12/2023	Stage 2A	Water		X				X						X	X				X			X
57961F	550-207651-1	I-V-20230912	550-207651-7	9/12/2023	Stage 2A	Water		X				X						X	X				X			X
57961G	550-207815-1	PC-99R2/R3-20230914	550-207815-1	9/14/2023	Stage 2A	Water		X				X						X	X				X			X
57961G	550-207815-1	PC-115R-20230914	550-207815-2	9/14/2023	Stage 2A	Water		X				X						X	X				X			X
57961G	550-207815-1	PC-116R-20230914	550-207815-3	9/14/2023	Stage 2A	Water		X				X						X	X				X			X
57961G	550-207815-1	PC-117-20230914	550-207815-4	9/14/2023	Stage 2A	Water	FD22	X				X						X	X				X			X
57961G	550-207815-1	PC-118-20230914	550-207815-5	9/14/2023	Stage 2A	Water		X				X						X	X				X			X
57961G	550-207815-1	PC-119-20230914	550-207815-6	9/14/2023	Stage 2A	Water		X				X						X	X				X			X
57961G	550-207815-1	PC-120-20230914	550-207815-7	9/14/2023	Stage 2A	Water		X				X						X	X				X			X
57961G	550-207815-1	PC-121-20230914	550-207815-8	9/14/2023	Stage 2A	Water		X				X						X	X				X			X
57961G	550-207815-1	PC-133-20230914	550-207815-9	9/14/2023	Stage 2A	Water		X				X						X	X				X			X
57961G	550-207815-1	PC-117-20230914-FD	550-207815-10	9/14/2023	Stage 2A	Water	FD22	X				X						X	X				X			X
57961G	550-207815-1	PC-118-20230914-EB	550-207815-11	9/14/2023	Stage 2A	Water	EB	X				X						X	X				X			X
57961H	550-207816-1	ART-1A-20230914	550-207816-1	9/14/2023	Stage 2A	Water		X				X						X	X				X			X

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LDC	SDG	Client Sample ID	Lab ID	Sample Date	Validation Level	Matrix	QC Type	Chromium (200.7)	Metals (200.7)	Cr(VI) (7199)	Cl (300.0)	NO3-N (300.0)	NO2/NO3-N (300.0)	NO2-N (300.0)	NO2/NO3-N (300.0)	SO4 (300.0)	Total Inorganic Nitrogen (Calc.)	Chlorate (300.1B)	ClO4 (314.0)	NH3-N (E350.1)	Phenolics (E420.4)	Conductivity (SM2510)	TDS (SM2540C)	TOC (SM5310B)	TOX (SW9020)	Field pH
57961H	550-207816-1	ART-2/2A-20230914	550-207816-2	9/14/2023	Stage 2A	Water	FD23	X				X						X	X				X			X
57961H	550-207816-1	ART-3A-20230914	550-207816-3	9/14/2023	Stage 2A	Water		X				X						X	X				X			X
57961H	550-207816-1	ART-4-20230914	550-207816-4	9/14/2023	Stage 2A	Water		X				X						X	X				X			X
57961H	550-207816-1	ART-7A-20230914	550-207816-5	9/14/2023	Stage 2A	Water		X				X						X	X				X			X
57961H	550-207816-1	ART-8A-20230914	550-207816-6	9/14/2023	Stage 2A	Water		X				X						X	X				X			X
57961H	550-207816-1	ART-9-20230914	550-207816-7	9/14/2023	Stage 2A	Water		X				X						X	X				X			X
57961H	550-207816-1	PC-150-20230914	550-207816-8	9/14/2023	Stage 2A	Water		X				X						X	X				X			X
57961H	550-207816-1	ART-2/2A-20230914-FD	550-207816-9	9/14/2023	Stage 2A	Water	FD23	X				X						X	X				X			X
57961H	550-207816-1	ART-3A-20230914-EB	550-207816-10	9/14/2023	Stage 2A	Water	EB	X				X						X	X				X			X
57961I	550-207817-1	I-S-20230914	550-207817-1	9/14/2023	Stage 2A	Water		X				X						X	X				X			X
57961I	550-207817-1	I-AR-20230914	550-207817-2	9/14/2023	Stage 2A	Water		X				X						X	X				X			X
57961J	L1652651	I-Q-20230905	L1652651-01	9/5/2023	Stage 2A	Water				X																
57961J	L1652651	I-G-20230905	L1652651-02	9/5/2023	Stage 2A	Water				X																
57961J	L1652651	I-T-20230905	L1652651-03	9/5/2023	Stage 2A	Water				X																
57961J	L1652651	I-U-20230905	L1652651-04	9/5/2023	Stage 2A	Water				X																
57961J	L1652651	I-H-20230905	L1652651-05	9/5/2023	Stage 2A	Water				X																
57961J	L1652651	I-P-20230905	L1652651-06	9/5/2023	Stage 2A	Water	FD17			X																
57961J	L1652651	I-W-20230905	L1652651-07	9/5/2023	Stage 2A	Water				X																
57961J	L1652651	I-O-20230905	L1652651-08	9/5/2023	Stage 2A	Water				X																
57961J	L1652651	I-Q-20230905-EB	L1652651-09	9/5/2023	Stage 2A	Water	EB			X																
57961J	L1652651	I-P-20230905-FD	L1652651-10	9/5/2023	Stage 2A	Water	FD17			X																
57961K	L1654489	E1-1-20230911	L1654489-01	9/11/2023	Stage 2A	Water				X																
57961K	L1654489	E1-2-20230911	L1654489-02	9/11/2023	Stage 2A	Water				X																
57961K	L1654489	E1-3-20230911	L1654489-03	9/11/2023	Stage 2A	Water				X																
57961K	L1654489	E2-1-20230911	L1654489-04	9/11/2023	Stage 2A	Water				X																
57961K	L1654489	E2-2-20230911	L1654489-05	9/11/2023	Stage 2A	Water				X																
57961K	L1654489	E2-3-20230911	L1654489-06	9/11/2023	Stage 2A	Water				X																
57961K	L1654489	E2-4-20230911	L1654489-07	9/11/2023	Stage 2A	Water				X																
57961K	L1654489	E2-5-20230911	L1654489-08	9/11/2023	Stage 2A	Water	FD21			X																
57961K	L1654489	E2-5-20230911-FD	L1654489-09	9/11/2023	Stage 2A	Water	FD21			X																
57961K	L1654489	E1-1-20230911-EB	L1654489-10	9/11/2023	Stage 2A	Water	EB			X																

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LDC	SDG	Client Sample ID	Lab ID	Sample Date	Validation Level	Matrix	QC Type	Chromium (200.7)	Metals (200.7)	Cr(VI) (7199)	Cl (300.0)	NO3-N (300.0)	NO2/NO3-N (300.0)	NO2-N (300.0)	NO2/NO3-N (300.0)	SO4 (300.0)	Total Inorganic Nitrogen (Calc.)	Chlorate (300.1B)	ClO4 (314.0)	NH3-N (E350.1)	Phenolics (E420.4)	Conductivity (SM2510)	TDS (SM2540C)	TOC (SM5310B)	TOX (SW9020)	Field pH
57961L	L1654490	I-C-20230911	L1654490-01	9/11/2023	Stage 2A	Water				X																
57961L	L1654490	I-F-20230911	L1654490-02	9/11/2023	Stage 2A	Water				X																
57961L	L1654490	I-X-20230911	L1654490-03	9/11/2023	Stage 2A	Water				X																
57961L	L1654490	I-N-20230911	L1654490-04	9/11/2023	Stage 2A	Water				X																
57961L	L1654490	I-E-20230911	L1654490-05	9/11/2023	Stage 2A	Water				X																
57961L	L1654490	I-M-20230911	L1654490-06	9/11/2023	Stage 2A	Water				X																
57961L	L1654490	I-D-20230911	L1654490-07	9/11/2023	Stage 2A	Water				X																
57961M	L1654741	I-AC-20230912	L1654741-01	9/12/2023	Stage 2A	Water				X																
57961M	L1654741	I-AD-20230912	L1654741-02	9/12/2023	Stage 2A	Water				X																
57961M	L1654741	I-K-20230912	L1654741-03	9/12/2023	Stage 2A	Water				X																
57961M	L1654741	I-J-20230912	L1654741-04	9/12/2023	Stage 2A	Water				X																
57961M	L1654741	I-Z-20230912	L1654741-05	9/12/2023	Stage 2A	Water				X																
57961M	L1654741	I-I-20230912	L1654741-06	9/12/2023	Stage 2A	Water				X																
57961M	L1654741	I-V-20230912	L1654741-07	9/12/2023	Stage 2A	Water				X																
57961N	L1654748	I-AA-20230912	L1654748-01	9/12/2023	Stage 2A	Water				X																
57961N	L1654748	I-AB-20230912	L1654748-02	9/12/2023	Stage 2A	Water				X																
57961N	L1654748	I-B-20230912	L1654748-03	9/12/2023	Stage 2A	Water				X																
57961N	L1654748	I-R-20230912	L1654748-04	9/12/2023	Stage 2A	Water				X																
57961N	L1654748	I-Y-20230912	L1654748-05	9/12/2023	Stage 2A	Water				X																
57961N	L1654748	I-L-20230912	L1654748-06	9/12/2023	Stage 2A	Water				X																
57961O	L1655729	PC-99R2/R3-20230914	L1655729-01	9/14/2023	Stage 2A	Water				X																
57961O	L1655729	PC-115R-20230914	L1655729-02	9/14/2023	Stage 2A	Water				X																
57961O	L1655729	PC-116R-20230914	L1655729-03	9/14/2023	Stage 2A	Water				X																
57961O	L1655729	PC-117-20230914	L1655729-04	9/14/2023	Stage 2A	Water	FD22			X																
57961O	L1655729	PC-118-20230914	L1655729-05	9/14/2023	Stage 2A	Water				X																
57961O	L1655729	PC-119-20230914	L1655729-06	9/14/2023	Stage 2A	Water				X																
57961O	L1655729	PC-120-20230914	L1655729-07	9/14/2023	Stage 2A	Water				X																
57961O	L1655729	PC-121-20230914	L1655729-08	9/14/2023	Stage 2A	Water				X																
57961O	L1655729	PC-133-20230914	L1655729-09	9/14/2023	Stage 2A	Water				X																
57961O	L1655729	PC-117-20230914-FD	L1655729-10	9/14/2023	Stage 2A	Water	FD22			X																
57961O	L1655729	PC-118-20230914-EB	L1655729-11	9/14/2023	Stage 2A	Water	EB			X																

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57961P	L1655740	ART-1A-20230914	L1655740-01	9/14/2023	Stage 2A	Water				X																
57961P	L1655740	ART-2/2A-20230914	L1655740-02	9/14/2023	Stage 2A	Water	FD23			X																
57961P	L1655740	ART-3A-20230914	L1655740-03	9/14/2023	Stage 2A	Water				X																
57961P	L1655740	ART-4-20230914	L1655740-04	9/14/2023	Stage 2A	Water				X																
57961P	L1655740	ART-7A-20230914	L1655740-05	9/14/2023	Stage 2A	Water				X																
57961P	L1655740	ART-8A-20230914	L1655740-06	9/14/2023	Stage 2A	Water				X																
57961P	L1655740	ART-9-20230914	L1655740-07	9/14/2023	Stage 2A	Water				X																
57961P	L1655740	PC-150-20230914	L1655740-08	9/14/2023	Stage 2A	Water				X																
57961P	L1655740	ART-2/2A-20230914-FD	L1655740-09	9/14/2023	Stage 2A	Water	FD23			X																
57961P	L1655740	ART-3A-20230914-EB	L1655740-10	9/14/2023	Stage 2A	Water	EB			X																
57961Q	L1655747	I-S-20230914	L1655747-01	9/14/2023	Stage 2A	Water				X																
57961Q	L1655747	I-AR-20230914	L1655747-02	9/14/2023	Stage 2A	Water				X																
57956A	550-208660-1	LVW0.55-1.7-20231003	550-208660-1	10/3/2023	Stage 2A	Water	FD24											X	X				X			
57956A	550-208660-1	LVW0.55-1.7-20231003-FD	550-208660-2	10/3/2023	Stage 2A	Water	FD24											X	X				X			
57956A	550-208660-1	LVW0.55-20231003-FB	550-208660-3	10/3/2023	Stage 2A	Water	FB											X	X				X			
57956A	550-208660-1	LVW3.5-1-1.3-20231003	550-208660-4	10/3/2023	Stage 2A	Water												X	X				X			
57956A	550-208660-1	LVW3.5-2-1.3-20231003	550-208660-5	10/3/2023	Stage 2A	Water												X	X				X			
57956A	550-208660-1	LVW3.5-3-1.2-20231003	550-208660-6	10/3/2023	Stage 2A	Water												X	X				X			
57956A	550-208660-1	LVW3.5-4-1.0-20231003	550-208660-7	10/3/2023	Stage 2A	Water												X	X				X			
57956A	550-208660-1	LVW3.5-5-1.2-20231003	550-208660-8	10/3/2023	Stage 2A	Water												X	X				X			
57956A	550-208660-1	LVW3.5-6-1.8-20231003	550-208660-9	10/3/2023	Stage 2A	Water												X	X				X			
57956A	550-208660-1	LVW4.2-1-1.8-20231003	550-208660-10	10/3/2023	Stage 2A	Water												X	X				X			
57956A	550-208660-1	LVW4.2-2-1.6-20231003	550-208660-11	10/3/2023	Stage 2A	Water												X	X				X			
57956A	550-208660-1	LVW4.2-3-3.6-20231003	550-208660-12	10/3/2023	Stage 2A	Water												X	X				X			
57956A	550-208660-1	LVW4.2-4-1.4-20231003	550-208660-13	10/3/2023	Stage 2A	Water												X	X				X			
57956A	550-208660-1	LVW4.75-1-0.8-20231003	550-208660-14	10/3/2023	Stage 2A	Water												X	X				X			
57956A	550-208660-1	LVW4.75-2-1.6-20231003	550-208660-15	10/3/2023	Stage 2A	Water												X	X				X			
57956A	550-208660-1	LVW4.75-3-1.4-20231003	550-208660-16	10/3/2023	Stage 2A	Water												X	X				X			
57956A	550-208660-1	LVW4.75-4-1.3-20231003	550-208660-17	10/3/2023	Stage 2A	Water												X	X				X			
57956A	550-208660-1	LVW4.75-5-1.4-20231003	550-208660-18	10/3/2023	Stage 2A	Water												X	X				X			
57956A	550-208660-1	LVW5.3-1-0.7-20231003	550-208660-19	10/3/2023	Stage 2A	Water												X	X				X			

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57956A	550-208660-1	LVW5.3-2-3.5-20231003	550-208660-20	10/3/2023	Stage 2A	Water												X	X				X			
57956A	550-208660-1	LVW5.3-3-0.8-20231003	550-208660-21	10/3/2023	Stage 2A	Water												X	X				X			
57956A	550-208660-1	LVW5.3-4-0.8-20231003	550-208660-22	10/3/2023	Stage 2A	Water												X	X				X			
57956A	550-208660-1	LVW5.3-5-1.1-20231003	550-208660-23	10/3/2023	Stage 2A	Water												X	X				X			
57956A	550-208660-1	LVW5.3-6-0.8-20231003	550-208660-24	10/3/2023	Stage 2A	Water												X	X				X			
57956A	550-208660-1	LVW6.05-0.8-20231004	550-208660-25	10/4/2023	Stage 2A	Water	FD25											X	X				X			
57956A	550-208660-1	LVW6.05-0.8-20231004-FD	550-208660-26	10/4/2023	Stage 2A	Water	FD25											X	X				X			
57956A	550-208660-1	LVW6.05-20231004-FB	550-208660-27	10/4/2023	Stage 2A	Water	FB											X	X				X			
57956A	550-208660-1	LVW6.6-1-1.3-20231004	550-208660-28	10/4/2023	Stage 2A	Water												X	X				X			
57956A	550-208660-1	LVW6.6-2-3.4-20231004	550-208660-29	10/4/2023	Stage 2A	Water												X	X				X			
57956A	550-208660-1	LVW6.6-3-1.1-20231004	550-208660-30	10/4/2023	Stage 2A	Water												X	X				X			
57956A	550-208660-1	LVW7.2-1.2-20231004	550-208660-31	10/4/2023	Stage 2A	Water	FD26											X	X				X			
57956A	550-208660-1	LVW7.2-1.2-20231004-FD	550-208660-32	10/4/2023	Stage 2A	Water	FD26											X	X				X			
57956A	550-208660-1	LVW8.85-0.8-20231004	550-208660-33	10/4/2023	Stage 2A	Water												X	X				X			
57956B	550-208782-1	E1-1-20231005	550-208782-1	10/5/2023	Stage 2A	Water		X				X						X	X				X			X
57956B	550-208782-1	E1-2-20231005	550-208782-2	10/5/2023	Stage 2A	Water	FD27	X				X						X	X				X			X
57956B	550-208782-1	E1-3-20231005	550-208782-3	10/5/2023	Stage 2A	Water		X				X						X	X				X			X
57956B	550-208782-1	E2-1-20231005	550-208782-4	10/5/2023	Stage 2A	Water		X				X						X	X				X			X
57956B	550-208782-1	E2-2-20231005	550-208782-5	10/5/2023	Stage 2A	Water		X				X						X	X				X			X
57956B	550-208782-1	E2-3-20231005	550-208782-6	10/5/2023	Stage 2A	Water		X				X						X	X				X			X
57956B	550-208782-1	E2-4-20231005	550-208782-7	10/5/2023	Stage 2A	Water		X				X						X	X				X			X
57956B	550-208782-1	E2-5-20231005	550-208782-8	10/5/2023	Stage 2A	Water		X				X						X	X				X			X
57956B	550-208782-1	E1-2-20231005-FD	550-208782-9	10/5/2023	Stage 2A	Water	FD27	X				X						X	X				X			X
57956B	550-208782-1	E1-3-20231005-EB	550-208782-10	10/5/2023	Stage 2A	Water	EB	X				X						X	X				X			X
57956C	550-208920-1	I-AA-20231010	550-208920-1	10/10/2023	Stage 2A	Water		X				X						X	X				X			X
57956C	550-208920-1	I-AB-20231010	550-208920-2	10/10/2023	Stage 2A	Water		X				X						X	X				X			X
57956C	550-208920-1	I-B-20231010	550-208920-3	10/10/2023	Stage 2A	Water		X				X						X	X				X			X
57956C	550-208920-1	I-R-20231010	550-208920-4	10/10/2023	Stage 2A	Water	FD28	X				X						X	X				X			X
57956C	550-208920-1	I-Y-20231010	550-208920-5	10/10/2023	Stage 2A	Water		X				X						X	X				X			X
57956C	550-208920-1	I-L-20231010	550-208920-6	10/10/2023	Stage 2A	Water		X				X						X	X				X			X
57956C	550-208920-1	I-S-20231010	550-208920-7	10/10/2023	Stage 2A	Water		X				X						X	X				X			X

Table I. Sample Cross-Reference

LDC	SDG	Client Sample ID	Lab ID	Sample Date	Validation Level	Matrix	QC Type	Chromium (200.7)	Metals (200.7)	Cr(VI) (7199)	Cl (300.0)	NO3-N (300.0)	NO2/NO3-N (300.0)	NO2-N (300.0)	NO2/NO3-N (300.0)	SO4 (300.0)	Total Inorganic Nitrogen (Calc.)	Chlorate (300.1B)	ClO4 (314.0)	NH3-N (E350.1)	Phenolics (E420.4)	Conductivity (SM2510)	TDS (SM2540C)	TOC (SM5310B)	TOX (SW9020)	Field pH
57956C	550-208920-1	I-AR-20231010	550-208920-8	10/10/2023	Stage 2A	Water		X				X						X	X				X			X
57956C	550-208920-1	I-R-20231010-FD	550-208920-9	10/10/2023	Stage 2A	Water	FD28	X				X						X	X				X			X
57956C	550-208920-1	I-S-20231010-EB	550-208920-10	10/10/2023	Stage 2A	Water	EB	X				X						X	X				X			X
57956D	550-208921-1	I-C-20231010	550-208921-1	10/10/2023	Stage 2A	Water		X				X						X	X				X			X
57956D	550-208921-1	I-F-20231010	550-208921-2	10/10/2023	Stage 2A	Water		X				X						X	X				X			X
57956D	550-208921-1	I-X-20231010	550-208921-3	10/10/2023	Stage 2A	Water		X				X						X	X				X			X
57956D	550-208921-1	I-N-20231010	550-208921-4	10/10/2023	Stage 2A	Water		X				X						X	X				X			X
57956D	550-208921-1	I-E-20231010	550-208921-5	10/10/2023	Stage 2A	Water		X				X						X	X				X			X
57956D	550-208921-1	I-M-20231010	550-208921-6	10/10/2023	Stage 2A	Water		X				X						X	X				X			X
57956D	550-208921-1	I-D-20231010	550-208921-7	10/10/2023	Stage 2A	Water		X				X						X	X				X			X
57956E	550-208923-1	I-Q-20231010	550-208923-1	10/10/2023	Stage 2A	Water		X				X						X	X				X			X
57956E	550-208923-1	I-G-20231010	550-208923-2	10/10/2023	Stage 2A	Water		X				X						X					X			X
57956E	550-208923-1	I-T-20231010	550-208923-3	10/10/2023	Stage 2A	Water		X				X						X	X				X			X
57956E	550-208923-1	I-U-20231010	550-208923-4	10/10/2023	Stage 2A	Water		X				X						X	X				X			X
57956E	550-208923-1	I-H-20231010	550-208923-5	10/10/2023	Stage 2A	Water		X				X						X	X				X			X
57956E	550-208923-1	I-P-20231010	550-208923-6	10/10/2023	Stage 2A	Water		X				X						X	X				X			X
57956E	550-208923-1	I-W-20231010	550-208923-7	10/10/2023	Stage 2A	Water		X				X						X	X				X			X
57956E	550-208923-1	I-O-20231010	550-208923-8	10/10/2023	Stage 2A	Water		X				X						X	X				X			X
57956F	550-208923-2	I-G-20231010	550-208923-2	10/10/2023	Stage 2A	Water													X							
57956G	550-209104-1	I-AC-20231012	550-209104-1	10/12/2023	Stage 2A	Water		X				X						X	X				X			X
57956G	550-209104-1	I-AD-20231012	550-209104-2	10/12/2023	Stage 2A	Water		X				X						X	X				X			X
57956G	550-209104-1	I-K-20231012	550-209104-3	10/12/2023	Stage 2A	Water		X				X						X	X				X			X
57956G	550-209104-1	I-J-20231012	550-209104-4	10/12/2023	Stage 2A	Water		X				X						X	X				X			X
57956G	550-209104-1	I-Z-20231012	550-209104-5	10/12/2023	Stage 2A	Water		X				X						X	X				X			X
57956G	550-209104-1	I-I-20231012	550-209104-6	10/12/2023	Stage 2A	Water		X				X						X	X				X			X
57956G	550-209104-1	I-V-20231012	550-209104-7	10/12/2023	Stage 2A	Water		X				X						X	X				X			X
57956H	550-209105-1	ART-1A-20231012	550-209105-1	10/12/2023	Stage 2A	Water		X				X						X	X				X			X
57956H	550-209105-1	ART-2/2A-20231012	550-209105-2	10/12/2023	Stage 2A	Water		X				X						X	X				X			X
57956H	550-209105-1	ART-3A-20231012	550-209105-3	10/12/2023	Stage 2A	Water		X				X						X	X				X			X
57956H	550-209105-1	ART-4-20231012	550-209105-4	10/12/2023	Stage 2A	Water	FD29	X				X						X	X				X			X
57956H	550-209105-1	ART-7B-20231012	550-209105-5	10/12/2023	Stage 2A	Water		X				X						X	X				X			X

Table I. Sample Cross-Reference

LDC	SDG	Client Sample ID	Lab ID	Sample Date	Validation Level	Matrix	QC Type	Chromium (200.7)	Metals (200.7)	Cr(VI) (7199)	Cl (300.0)	NO3-N (300.0)	NO2/NO3-N (300.0)	NO2-N (300.0)	NO2/NO3-N (300.0)	SO4 (300.0)	Total Inorganic Nitrogen (Calc.)	Chlorate (300.1B)	ClO4 (314.0)	NH3-N (E350.1)	Phenolics (E420.4)	Conductivity (SM2510)	TDS (SM2540C)	TOC (SM5310B)	TOX (SW9020)	Field pH
57956H	550-209105-1	ART-8A-20231012	550-209105-6	10/12/2023	Stage 2A	Water		X				X						X	X				X			X
57956H	550-209105-1	ART-9-20231012	550-209105-7	10/12/2023	Stage 2A	Water		X				X						X	X				X			X
57956H	550-209105-1	PC-150-20231012	550-209105-8	10/12/2023	Stage 2A	Water		X				X						X	X				X			X
57956H	550-209105-1	ART-4-20231012-FD	550-209105-9	10/12/2023	Stage 2A	Water	FD29	X				X						X	X				X			X
57956H	550-209105-1	ART-7B-20231012-EB	550-209105-10	10/12/2023	Stage 2A	Water	EB	X				X						X	X				X			X
57956I	550-209106-1	PC-99R2/R3-20231012	550-209106-1	10/12/2023	Stage 2A	Water		X				X						X	X				X			X
57956I	550-209106-1	PC-115R-20231012	550-209106-2	10/12/2023	Stage 2A	Water		X				X						X	X				X			X
57956I	550-209106-1	PC-116R-20231012	550-209106-3	10/12/2023	Stage 2A	Water		X				X						X	X				X			X
57956I	550-209106-1	PC-117-20231012	550-209106-4	10/12/2023	Stage 2A	Water		X				X						X	X				X			X
57956I	550-209106-1	PC-118-20231012	550-209106-5	10/12/2023	Stage 2A	Water		X				X						X	X				X			X
57956I	550-209106-1	PC-119-20231012	550-209106-6	10/12/2023	Stage 2A	Water	FD30	X				X						X	X				X			X
57956I	550-209106-1	PC-120-20231012	550-209106-7	10/12/2023	Stage 2A	Water		X				X						X	X				X			X
57956I	550-209106-1	PC-121-20231012	550-209106-8	10/12/2023	Stage 2A	Water		X				X						X	X				X			X
57956I	550-209106-1	PC-133-20231012	550-209106-9	10/12/2023	Stage 2A	Water		X				X						X	X				X			X
57956I	550-209106-1	PC-119-20231012-FD	550-209106-10	10/12/2023	Stage 2A	Water	FD30	X				X						X	X				X			X
57956I	550-209106-1	PC-120-20231012-EB	550-209106-11	10/12/2023	Stage 2A	Water	EB	X				X						X	X				X			X
57956J	L1663117	E1-1-20231005	L1663117-01	10/5/2023	Stage 2A	Water				X																
57956J	L1663117	E1-2-20231005	L1663117-02	10/5/2023	Stage 2A	Water	FD27			X																
57956J	L1663117	E1-3-20231005	L1663117-03	10/5/2023	Stage 2A	Water				X																
57956J	L1663117	E2-1-20231005	L1663117-04	10/5/2023	Stage 2A	Water				X																
57956J	L1663117	E2-2-20231005	L1663117-05	10/5/2023	Stage 2A	Water				X																
57956J	L1663117	E2-3-20231005	L1663117-06	10/5/2023	Stage 2A	Water				X																
57956J	L1663117	E2-4-20231005	L1663117-07	10/5/2023	Stage 2A	Water				X																
57956J	L1663117	E2-5-20231005	L1663117-08	10/5/2023	Stage 2A	Water				X																
57956J	L1663117	E1-2-20231005-FD	L1663117-09	10/5/2023	Stage 2A	Water	FD27			X																
57956J	L1663117	E1-3-20231005-EB	L1663117-10	10/5/2023	Stage 2A	Water	EB			X																
57956K	L1664507	I-AA-20231010	L1664507-1	10/10/2023	Stage 2A	Water				X																
57956K	L1664507	I-AB-20231010	L1664507-2	10/10/2023	Stage 2A	Water				X																
57956K	L1664507	I-B-20231010	L1664507-3	10/10/2023	Stage 2A	Water				X																
57956K	L1664507	I-R-20231010	L1664507-4	10/10/2023	Stage 2A	Water	FD28			X																
57956K	L1664507	I-Y-20231010	L1664507-5	10/10/2023	Stage 2A	Water				X																

Table I. Sample Cross-Reference

LDC	SDG	Client Sample ID	Lab ID	Sample Date	Validation Level	Matrix	QC Type	Chromium (200.7)	Metals (200.7)	Cr(VI) (7199)	Cl (300.0)	NO3-N (300.0)	NO2/NO3-N (300.0)	NO2-N (300.0)	NO2/NO3-N (300.0)	SO4 (300.0)	Total Inorganic Nitrogen (Calc.)	Chlorate (300.1B)	ClO4 (314.0)	NH3-N (E350.1)	Phenolics (E420.4)	Conductivity (SM2510)	TDS (SM2540C)	TOC (SM5310B)	TOX (SW9020)	Field pH
57956K	L1664507	I-L-20231010	L1664507-6	10/10/2023	Stage 2A	Water				X																
57956K	L1664507	I-AR-20231010	L1664507-7	10/10/2023	Stage 2A	Water				X																
57956K	L1664507	I-S-20231010	L1664507-8	10/10/2023	Stage 2A	Water				X																
57956K	L1664507	I-R-20231010-FD	L1664507-9	10/10/2023	Stage 2A	Water	FD28			X																
57956K	L1664507	I-S-20231010-EB	L1664507-10	10/10/2023	Stage 2A	Water	EB			X																
57956L	L1664512	I-C-20231010	L1664512-01	10/10/2023	Stage 2A	Water				X																
57956L	L1664512	I-F-20231010	L1664512-02	10/10/2023	Stage 2A	Water				X																
57956L	L1664512	I-X-20231010	L1664512-03	10/10/2023	Stage 2A	Water				X																
57956L	L1664512	I-N-20231010	L1664512-04	10/10/2023	Stage 2A	Water				X																
57956L	L1664512	I-E-20231010	L1664512-05	10/10/2023	Stage 2A	Water				X																
57956L	L1664512	I-M-20231010	L1664512-06	10/10/2023	Stage 2A	Water				X																
57956L	L1664512	I-D-20231010	L1664512-07	10/10/2023	Stage 2A	Water				X																
57956M	L1664514	I-Q-20231010	L1664514-01	10/10/2023	Stage 2A	Water				X																
57956M	L1664514	I-G-20231010	L1664514-02	10/10/2023	Stage 2A	Water				X																
57956M	L1664514	I-T-20231010	L1664514-03	10/10/2023	Stage 2A	Water				X																
57956M	L1664514	I-U-20231010	L1664514-04	10/10/2023	Stage 2A	Water				X																
57956M	L1664514	I-H-20231010	L1664514-05	10/10/2023	Stage 2A	Water				X																
57956M	L1664514	I-P-20231010	L1664514-06	10/10/2023	Stage 2A	Water				X																
57956M	L1664514	I-W-20231010	L1664514-07	10/10/2023	Stage 2A	Water				X																
57956M	L1664514	I-O-20231010	L1664514-08	10/10/2023	Stage 2A	Water				X																
57956N	L1665635	I-AC-20231012	L1665635-01	10/12/2023	Stage 2A	Water				X																
57956N	L1665635	I-AD-20231012	L1665635-02	10/12/2023	Stage 2A	Water				X																
57956N	L1665635	I-K-20231012	L1665635-03	10/12/2023	Stage 2A	Water				X																
57956N	L1665635	I-J-20231012	L1665635-04	10/12/2023	Stage 2A	Water				X																
57956N	L1665635	I-Z-20231012	L1665635-05	10/12/2023	Stage 2A	Water				X																
57956N	L1665635	I-I-20231012	L1665635-06	10/12/2023	Stage 2A	Water				X																
57956N	L1665635	I-V-20231012	L1665635-07	10/12/2023	Stage 2A	Water				X																
57956O	L1665639	PC-99R2/R3-20231012	L1665639-01	10/12/2023	Stage 2A	Water				X																
57956O	L1665639	PC-115R-20231012	L1665639-02	10/12/2023	Stage 2A	Water				X																
57956O	L1665639	PC-116R-20231012	L1665639-03	10/12/2023	Stage 2A	Water				X																
57956O	L1665639	PC-117-20231012	L1665639-04	10/12/2023	Stage 2A	Water				X																

Table I. Sample Cross-Reference

LDC	SDG	Client Sample ID	Lab ID	Sample Date	Validation Level	Matrix	QC Type	Chromium (200.7)	Metals (200.7)	Cr(VI) (7199)	Cl (300.0)	NO3-N (300.0)	NO2/NO3-N (300.0)	NO2-N (300.0)	NO2/NO3-N (300.0)	SO4 (300.0)	Total Inorganic Nitrogen (Calc.)	Chlorate (300.1B)	ClO4 (314.0)	NH3-N (E350.1)	Phenolics (E420.4)	Conductivity (SM2510)	TDS (SM2540C)	TOC (SM5310B)	TOX (SW9020)	Field pH
57956O	L1665639	PC-118-20231012	L1665639-05	10/12/2023	Stage 2A	Water				X																
57956O	L1665639	PC-119-20231012	L1665639-06	10/12/2023	Stage 2A	Water	FD30			X																
57956O	L1665639	PC-120-20231012	L1665639-07	10/12/2023	Stage 2A	Water				X																
57956O	L1665639	PC-121-20231012	L1665639-08	10/12/2023	Stage 2A	Water				X																
57956O	L1665639	PC-133-20231012	L1665639-09	10/12/2023	Stage 2A	Water				X																
57956O	L1665639	PC-119-20231012-FD	L1665639-10	10/12/2023	Stage 2A	Water	FD30			X																
57956O	L1665639	PC-120-20231012-EB	L1665639-11	10/12/2023	Stage 2A	Water	EB			X																
57956P	L1665647	ART-1A-20231012	L1665647-01	10/12/2023	Stage 2A	Water				X																
57956P	L1665647	ART-2/2A-20231012	L1665647-02	10/12/2023	Stage 2A	Water				X																
57956P	L1665647	ART-3A-20231012	L1665647-03	10/12/2023	Stage 2A	Water				X																
57956P	L1665647	ART-4-20231012	L1665647-04	10/12/2023	Stage 2A	Water	FD29			X																
57956P	L1665647	ART-7B-20231012	L1665647-05	10/12/2023	Stage 2A	Water				X																
57956P	L1665647	ART-8A-20231012	L1665647-06	10/12/2023	Stage 2A	Water				X																
57956P	L1665647	ART-9-20231012	L1665647-07	10/12/2023	Stage 2A	Water				X																
57956P	L1665647	PC-150-20231012	L1665647-08	10/12/2023	Stage 2A	Water				X																
57956P	L1665647	ART-4-20231012-FD	L1665647-09	10/12/2023	Stage 2A	Water	FD29			X																
57956P	L1665647	ART-7B-20231012-EB	L1665647-10	10/12/2023	Stage 2A	Water	EB			X																
58583A	550-210002-1	LVW0.55-1.7-20231101	550-210002-1	11/1/2023	Stage 2A	Water	FD30											X	X				X			
58583A	550-210002-1	LVW0.55-1.7-20231101-FD	550-210002-2	11/1/2023	Stage 2A	Water	FD30											X	X				X			
58583A	550-210002-1	LVW0.55-20231101-FB	550-210002-3	11/1/2023	Stage 2A	Water	FB											X	X				X			
58583A	550-210002-1	LVW3.5-1-0.9-20231101	550-210002-4	11/1/2023	Stage 2A	Water												X	X				X			
58583A	550-210002-1	LVW3.5-2-1.2-20231101	550-210002-5	11/1/2023	Stage 2A	Water												X	X				X			
58583A	550-210002-1	LVW3.5-3-1.0-20231101	550-210002-6	11/1/2023	Stage 2A	Water												X	X				X			
58583A	550-210002-1	LVW3.5-4-0.9-20231101	550-210002-7	11/1/2023	Stage 2A	Water												X	X				X			
58583A	550-210002-1	LVW3.5-5-0.9-20231101	550-210002-8	11/1/2023	Stage 2A	Water												X	X				X			
58583A	550-210002-1	LVW3.5-6-1.8-20231101	550-210002-9	11/1/2023	Stage 2A	Water												X	X				X			
58583A	550-210002-1	LVW4.2-1-3.1-20231101	550-210002-10	11/1/2023	Stage 2A	Water												X	X				X			
58583A	550-210002-1	LVW4.2-2-1.8-20231101	550-210002-11	11/1/2023	Stage 2A	Water												X	X				X			
58583A	550-210002-1	LVW4.2-3-3.6-20231101	550-210002-12	11/1/2023	Stage 2A	Water												X	X				X			
58583A	550-210002-1	LVW4.2-4-1.9-20231101	550-210002-13	11/1/2023	Stage 2A	Water												X	X				X			
58583A	550-210002-1	LVW4.75-1-0.9-20231101	550-210002-14	11/1/2023	Stage 2A	Water												X	X				X			

Table I. Sample Cross-Reference

LDC	SDG	Client Sample ID	Lab ID	Sample Date	Validation Level	Matrix	QC Type	Chromium (200.7)	Metals (200.7)	Cr(VI) (7199)	Cl (300.0)	NO3-N (300.0)	NO2/NO3-N (300.0)	NO2-N (300.0)	NO2/NO3-N (300.0)	SO4 (300.0)	Total Inorganic Nitrogen (Calc.)	Chlorate (300.1B)	ClO4 (314.0)	NH3-N (E350.1)	Phenolics (E420.4)	Conductivity (SM2510)	TDS (SM2540C)	TOC (SM5310B)	TOX (SW9020)	Field pH
58583A	550-210002-1	LVW4.75-2-1.4-20231101	550-210002-15	11/1/2023	Stage 2A	Water												X	X				X			
58583A	550-210002-1	LVW4.75-3-1.2-20231101	550-210002-16	11/1/2023	Stage 2A	Water												X	X				X			
58583A	550-210002-1	LVW4.75-4-1.7-20231101	550-210002-17	11/1/2023	Stage 2A	Water												X	X				X			
58583A	550-210002-1	LVW4.75-5-1.3-20231101	550-210002-18	11/1/2023	Stage 2A	Water												X	X				X			
58583A	550-210002-1	LVW5.3-1-0.8-20231101	550-210002-19	11/1/2023	Stage 2A	Water												X	X				X			
58583A	550-210002-1	LVW5.3-2-3.3-20231101	550-210002-20	11/1/2023	Stage 2A	Water												X	X				X			
58583A	550-210002-1	LVW5.3-3-0.9-20231101	550-210002-21	11/1/2023	Stage 2A	Water												X	X				X			
58583A	550-210002-1	LVW5.3-4-1.4-20231101	550-210002-22	11/1/2023	Stage 2A	Water												X	X				X			
58583A	550-210002-1	LVW5.3-5-1.2-20231101	550-210002-23	11/1/2023	Stage 2A	Water												X	X				X			
58583A	550-210002-1	LVW5.3-6-0.7-20231101	550-210002-24	11/1/2023	Stage 2A	Water												X	X				X			
58583A	550-210002-1	LVW6.05-0.7-20231101	550-210002-25	11/1/2023	Stage 2A	Water	FD31											X	X				X			
58583A	550-210002-1	LVW6.05-0.7-20231101-FD	550-210002-26	11/1/2023	Stage 2A	Water	FD31											X	X				X			
58583A	550-210002-1	LVW6.05-20231101-FB	550-210002-27	11/1/2023	Stage 2A	Water	FB											X	X				X			
58583A	550-210002-1	LVW6.6-1-0.8-20231101	550-210002-28	11/1/2023	Stage 2A	Water												X	X				X			
58583A	550-210002-1	LVW6.6-2-3.0-20231101	550-210002-29	11/1/2023	Stage 2A	Water												X	X				X			
58583A	550-210002-1	LVW6.6-3-0.8-20231101	550-210002-30	11/1/2023	Stage 2A	Water												X	X				X			
58583A	550-210002-1	LVW7.2-1.2-20231101	550-210002-31	11/1/2023	Stage 2A	Water	FD32											X	X				X			
58583A	550-210002-1	LVW7.2-1.2-20231101-FD	550-210002-32	11/1/2023	Stage 2A	Water	FD32											X	X				X			
58583A	550-210002-1	LVW8.85-0.5-20231101	550-210002-33	11/1/2023	Stage 2A	Water												X	X				X			
58583B	550-210157-1	PC-58-20231106	550-210157-1	11/6/2023	Stage 2A	Water		X										X	X							
58583B	550-210157-1	PC-60-20231106	550-210157-2	11/6/2023	Stage 2A	Water		X										X	X							
58583B	550-210157-1	PC-60-20231106-EB	550-210157-3	11/6/2023	Stage 2A	Water	EB	X										X	X							
58583B	550-210157-1	ARP-7-20231106	550-210157-4	11/6/2023	Stage 2A	Water		X										X	X							
58583C	550-210158-1	PC-59-20231106	550-210158-1	11/6/2023	Stage 2A	Water		X										X	X							
58583C	550-210158-1	PC-62-20231106	550-210158-2	11/6/2023	Stage 2A	Water		X										X	X							
58583D	550-210160-1	PC-155B-20231106	550-210160-1	11/6/2023	Stage 2A	Water		X										X	X							
58583E	550-210174-1	I-C-20231107	550-210174-1	11/7/2023	Stage 2A	Water		X				X						X	X				X			X
58583E	550-210174-1	I-F-20231107	550-210174-2	11/7/2023	Stage 2A	Water		X				X						X	X				X			X
58583E	550-210174-1	I-X-20231107	550-210174-3	11/7/2023	Stage 2A	Water		X				X						X	X				X			X
58583E	550-210174-1	I-N-20231107	550-210174-4	11/7/2023	Stage 2A	Water		X				X						X	X				X			X
58583E	550-210174-1	I-E-20231107	550-210174-5	11/7/2023	Stage 2A	Water		X				X						X	X				X			X

Table I. Sample Cross-Reference

LDC	SDG	Client Sample ID	Lab ID	Sample Date	Validation Level	Matrix	QC Type	Chromium (200.7)	Metals (200.7)	Cr(VI) (7199)	Cl (300.0)	NO3-N (300.0)	NO2/NO3-N (300.0)	NO2-N (300.0)	NO2/NO3-N (300.0)	SO4 (300.0)	Total Inorganic Nitrogen (Calc.)	Chlorate (300.1B)	ClO4 (314.0)	NH3-N (E350.1)	Phenolics (E420.4)	Conductivity (SM2510)	TDS (SM2540C)	TOC (SM5310B)	TOX (SW9020)	Field pH
58583E	550-210174-1	I-M-20231107	550-210174-6	11/7/2023	Stage 2A	Water		X				X						X	X				X			X
58583E	550-210174-1	I-D-20231107	550-210174-7	11/7/2023	Stage 2A	Water		X				X						X	X				X			X
58583G	550-210175-1	I-AA-20231107	550-210175-1	11/7/2023	Stage 2A	Water		X				X						X	X				X			X
58583G	550-210175-1	I-AB-20231107	550-210175-2	11/7/2023	Stage 2A	Water		X				X						X	X				X			X
58583G	550-210175-1	I-B-20231107	550-210175-3	11/7/2023	Stage 2A	Water		X				X						X	X				X			X
58583G	550-210175-1	I-R-20231107	550-210175-4	11/7/2023	Stage 2A	Water		X				X						X	X				X			X
58583G	550-210175-1	I-Y-20231107	550-210175-5	11/7/2023	Stage 2A	Water		X				X						X	X				X			X
58583G	550-210175-1	I-L-20231107	550-210175-6	11/7/2023	Stage 2A	Water		X				X						X	X				X			X
58583G	550-210175-1	I-S-20231107	550-210175-7	11/7/2023	Stage 2A	Water		X				X						X	X				X			X
58583G	550-210175-1	I-AR-20231107	550-210175-8	11/7/2023	Stage 2A	Water		X				X						X	X				X			X
58583H	550-210177-1	PC-91-20231107	550-210177-1	11/7/2023	Stage 2A	Water		X										X	X							
58583H	550-210177-1	PC-86-20231107	550-210177-2	11/7/2023	Stage 2A	Water	FD33	X										X	X							
58583H	550-210177-1	PC-86-20231107-FD	550-210177-3	11/7/2023	Stage 2A	Water	FD33	X										X	X							
58583H	550-210177-1	ARP-3A-20231107	550-210177-4	11/7/2023	Stage 2A	Water	FD34	X										X	X							
58583H	550-210177-1	ARP-3A-20231107-FD	550-210177-5	11/7/2023	Stage 2A	Water	FD34	X										X	X							
58583H	550-210177-1	PC-90-20231107	550-210177-6	11/7/2023	Stage 2A	Water		X										X	X							
58583H	550-210177-1	PC-103-20231107	550-210177-7	11/7/2023	Stage 2A	Water		X										X	X							
58583I	550-210178-1	PC-156A-20231107	550-210178-1	11/7/2023	Stage 2A	Water		X										X	X							
58583I	550-210178-1	PC-156B-20231107	550-210178-2	11/7/2023	Stage 2A	Water		X										X	X							
58583I	550-210178-1	PC-156A-20231107-EB	550-210178-3	11/7/2023	Stage 2A	Water	EB	X										X	X							
58583I	550-210178-1	PC-155A-20231107	550-210178-4	11/7/2023	Stage 2A	Water	FD35	X										X	X							
58583I	550-210178-1	PC-155A-20231107-FD	550-210178-5	11/7/2023	Stage 2A	Water	FD35	X										X	X							
58583I	550-210178-1	PC-97-20231107	550-210178-6	11/7/2023	Stage 2A	Water		X										X	X							
58583J	550-210179-1	PC-94-20231107	550-210179-1	11/7/2023	Stage 2A	Water		X										X	X							
58583J	550-210179-1	PC-94-20231107-EB	550-210179-2	11/7/2023	Stage 2A	Water	EB	X										X	X							
58583J	550-210179-1	PC-101R-20231107	550-210179-3	11/7/2023	Stage 2A	Water	FD36	X										X	X							
58583J	550-210179-1	PC-101R-20231107-FD	550-210179-4	11/7/2023	Stage 2A	Water	FD36	X										X	X							
58583J	550-210179-1	PC-135A-20231107	550-210179-5	11/7/2023	Stage 2A	Water		X										X	X							
58583J	550-210179-1	PC-134D-20231107	550-210179-6	11/7/2023	Stage 2A	Water		X										X	X							
58583J	550-210179-1	PC-144-20231107	550-210179-7	11/7/2023	Stage 2A	Water		X										X	X							
58583J	550-210179-1	ARP-1-20231107	550-210179-8	11/7/2023	Stage 2A	Water		X										X	X							

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LDC	SDG	Client Sample ID	Lab ID	Sample Date	Validation Level	Matrix	QC Type	Chromium (200.7)	Metals (200.7)	Cr(VI) (7199)	Cl (300.0)	NO3-N (300.0)	NO2/NO3-N (300.0)	NO2-N (300.0)	NO2/NO3-N (300.0)	SO4 (300.0)	Total Inorganic Nitrogen (Calc.)	Chlorate (300.1B)	ClO4 (314.0)	NH3-N (E350.1)	Phenolics (E420.4)	Conductivity (SM2510)	TDS (SM2540C)	TOC (SM5310B)	TOX (SW9020)	Field pH
58583J	550-210179-1	ARP-6B-20231107	550-210179-9	11/7/2023	Stage 2A	Water		X										X	X							
58583J	550-210179-1	ARP-5A-20231107	550-210179-10	11/7/2023	Stage 2A	Water		X										X	X							
58583J	550-210179-1	ARP-4A-20231107	550-210179-11	11/7/2023	Stage 2A	Water		X										X	X							
58583J	550-210179-1	MW-K4-20231107	550-210179-12	11/7/2023	Stage 2A	Water		X										X	X							
58583J	550-210179-1	ARP-2A-20231107	550-210179-13	11/7/2023	Stage 2A	Water		X										X	X							
58583J	550-210179-1	PC-56-20231107	550-210179-14	11/7/2023	Stage 2A	Water		X										X	X							
58583J	550-210179-1	PC-56-20231107-FB	550-210179-15	11/7/2023	Stage 2A	Water	FB	X										X	X							
58583J	550-210179-1	PC-137D-20231107	550-210179-16	11/7/2023	Stage 2A	Water		X										X	X							
58583J	550-210179-1	PC-53-20231107	550-210179-17	11/7/2023	Stage 2A	Water		X										X	X							
58583J	550-210179-1	MW-K5-20231107	550-210179-18	11/7/2023	Stage 2A	Water	FD37	X										X	X							
58583J	550-210179-1	MW-K5-20231107-FD	550-210179-19	11/7/2023	Stage 2A	Water	FD37	X										X	X							
58583J	550-210179-1	PC-136-20231107	550-210179-20	11/7/2023	Stage 2A	Water		X										X	X							
58583K	550-210288-1	M-10-20231108	550-210288-1	11/8/2023	Stage 2A	Water			X		X	X	X	X	X		X	X	X				X			
58583L	550-210356-1	PC-54-20231108	550-210356-1	11/8/2023	Stage 2A	Water		X										X	X							
58583L	550-210356-1	PC-149-20231108-FB	550-210356-2	11/8/2023	Stage 2A	Water	FB	X										X	X							
58583L	550-210356-1	PC-149-20231108	550-210356-3	11/8/2023	Stage 2A	Water		X										X	X							
58583L	550-210356-1	PC-160-20231108	550-210356-4	11/8/2023	Stage 2A	Water		X										X	X							
58583L	550-210356-1	PC-159-20231108	550-210356-5	11/8/2023	Stage 2A	Water		X										X	X							
58583L	550-210356-1	PC-154-20231108	550-210356-6	11/8/2023	Stage 2A	Water		X										X	X							
58583L	550-210356-1	M-191-20231108	550-210356-7	11/8/2023	Stage 2A	Water		X										X	X							
58583M	550-210357-1	PC-157A-20231108	550-210357-1	11/8/2023	Stage 2A	Water		X										X	X							
58583M	550-210357-1	PC-157B-20231108	550-210357-2	11/8/2023	Stage 2A	Water		X										X	X							
58583M	550-210357-1	PC-157B-20231108-FB	550-210357-3	11/8/2023	Stage 2A	Water	FB	X										X	X							
58583M	550-210357-1	PC-98R-20231108	550-210357-4	11/8/2023	Stage 2A	Water		X										X	X							
58583M	550-210357-1	PC-98R-20231108-FB	550-210357-5	11/8/2023	Stage 2A	Water	FB	X										X	X							
58583M	550-210357-1	M-74-20231108	550-210357-6	11/8/2023	Stage 2A	Water		X										X	X							
58583M	550-210357-1	M-80-20231108	550-210357-7	11/8/2023	Stage 2A	Water		X										X	X				X			
58583N	550-210358-1	M-48A-20231108	550-210358-1	11/8/2023	Stage 2A	Water		X										X	X							
58583N	550-210358-1	M-44-20231108	550-210358-2	11/8/2023	Stage 2A	Water	FD38	X										X	X				X			
58583N	550-210358-1	M-44-20231108-FD	550-210358-3	11/8/2023	Stage 2A	Water	FD38	X										X	X				X			
58583N	550-210358-1	M-44-20231108-EB	550-210358-4	11/8/2023	Stage 2A	Water	EB	X										X	X				X			

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LDC	SDG	Client Sample ID	Lab ID	Sample Date	Validation Level	Matrix	QC Type	Chromium (200.7)	Metals (200.7)	Cr(VI) (7199)	Cl (300.0)	NO3-N (300.0)	NO2/NO3-N (300.0)	NO2-N (300.0)	NO2/NO3-N (300.0)	SO4 (300.0)	Total Inorganic Nitrogen (Calc.)	Chlorate (300.1B)	ClO4 (314.0)	NH3-N (E350.1)	Phenolics (E420.4)	Conductivity (SM2510)	TDS (SM2540C)	TOC (SM5310B)	TOX (SW9020)	Field pH
58583N	550-210358-1	M-44-20231108-FB	550-210358-5	11/8/2023	Stage 2A	Water	FB	X										X	X				X			
58583N	550-210358-1	M-69-20231108	550-210358-6	11/8/2023	Stage 2A	Water		X										X	X							
58583N	550-210358-1	M-70-20231108	550-210358-7	11/8/2023	Stage 2A	Water		X										X	X							
58583O	550-210359-1	PC-122-20231108	550-210359-1	11/8/2023	Stage 2A	Water		X										X	X							
58583O	550-210359-1	ART-6-20231108	550-210359-2	11/8/2023	Stage 2A	Water		X										X	X							
58583O	550-210359-1	PC-148-20231108	550-210359-3	11/8/2023	Stage 2A	Water		X										X	X							
58583O	550-210359-1	PC-158-20231108	550-210359-4	11/8/2023	Stage 2A	Water		X										X	X							
58583O	550-210359-1	PC-123-20231108	550-210359-5	11/8/2023	Stage 2A	Water		X										X	X							
58583O	550-210359-1	M-83-20231108	550-210359-6	11/8/2023	Stage 2A	Water		X										X	X							
58583P	550-210361-1	PC-55-20231108	550-210361-1	11/8/2023	Stage 2A	Water		X										X	X							
58583P	550-210361-1	PC-55-20231108-EB	550-210361-2	11/8/2023	Stage 2A	Water	EB	X										X	X							
58583P	550-210361-1	PC-18-20231108	550-210361-3	11/8/2023	Stage 2A	Water		X										X	X							
58583P	550-210361-1	PC-72-20231108	550-210361-4	11/8/2023	Stage 2A	Water		X										X	X							
58583P	550-210361-1	PC-71-20231108	550-210361-5	11/8/2023	Stage 2A	Water		X										X	X							
58583P	550-210361-1	M-190-20231108	550-210361-6	11/8/2023	Stage 2A	Water		X										X	X							
58583Q	550-210402-1	E1-1-20231109	550-210402-1	11/9/2023	Stage 2A	Water		X				X						X	X				X			X
58583Q	550-210402-1	E1-2-20231109	550-210402-2	11/9/2023	Stage 2A	Water		X				X						X	X				X			X
58583Q	550-210402-1	E1-3-20231109	550-210402-3	11/9/2023	Stage 2A	Water		X				X						X	X				X			X
58583Q	550-210402-1	E2-1-20231109	550-210402-4	11/9/2023	Stage 2A	Water	FD39	X				X						X	X				X			X
58583Q	550-210402-1	E2-2-20231109	550-210402-5	11/9/2023	Stage 2A	Water		X				X						X	X				X			X
58583Q	550-210402-1	E2-3-20231109	550-210402-6	11/9/2023	Stage 2A	Water		X				X						X	X				X			X
58583Q	550-210402-1	E2-4-20231109	550-210402-7	11/9/2023	Stage 2A	Water		X				X						X	X				X			X
58583Q	550-210402-1	E2-5-20231109	550-210402-8	11/9/2023	Stage 2A	Water		X				X						X	X				X			X
58583Q	550-210402-1	E2-1-20231109-FD	550-210402-9	11/9/2023	Stage 2A	Water	FD39	X				X						X	X				X			X
58583Q	550-210402-1	E2-2-20231109-EB	550-210402-10	11/9/2023	Stage 2A	Water	EB	X				X						X	X				X			X
58583S	550-210403-1	M-72-20231109	550-210403-1	11/9/2023	Stage 2A	Water		X										X	X							
58583S	550-210403-1	M-66-20231109	550-210403-2	11/9/2023	Stage 2A	Water		X										X	X							
58583S	550-210403-1	M-135-20231109	550-210403-3	11/9/2023	Stage 2A	Water		X										X	X							
58583S	550-210403-1	M-57A-20231109	550-210403-4	11/9/2023	Stage 2A	Water		X										X	X							
58583S	550-210403-1	M-37-20231109	550-210403-5	11/9/2023	Stage 2A	Water		X										X	X				X			
58583S	550-210403-1	M-38-20231109	550-210403-6	11/9/2023	Stage 2A	Water		X										X	X				X			

Table I. Sample Cross-Reference

LDC	SDG	Client Sample ID	Lab ID	Sample Date	Validation Level	Matrix	QC Type	Chromium (200.7)	Metals (200.7)	Cr(VI) (7199)	Cl (300.0)	NO3-N (300.0)	NO2/NO3-N (300.0)	NO2-N (300.0)	NO2/NO3-N (300.0)	SO4 (300.0)	Total Inorganic Nitrogen (Calc.)	Chlorate (300.1B)	ClO4 (314.0)	NH3-N (E350.1)	Phenolics (E420.4)	Conductivity (SM2510)	TDS (SM2540C)	TOC (SM5310B)	TOX (SW9020)	Field pH
58583S	550-210403-1	M-192-20231109	550-210403-7	11/9/2023	Stage 2A	Water		X										X	X							
58583S	550-210403-1	M-11-20231109	550-210403-8	11/9/2023	Stage 2A	Water		X										X	X				X			
58583S	550-210403-1	M-73-20231109	550-210403-9	11/9/2023	Stage 2A	Water		X										X	X							
58583S	550-210403-1	M-52-20231109	550-210403-10	11/9/2023	Stage 2A	Water		X										X	X							
58583S	550-210403-1	M-31A-20231109	550-210403-11	11/9/2023	Stage 2A	Water		X										X	X							
58583S	550-210403-1	M-35-20231109	550-210403-12	11/9/2023	Stage 2A	Water		X										X	X							
58583S	550-210403-1	M-22A-20231109	550-210403-13	11/9/2023	Stage 2A	Water		X										X	X							
58583S	550-210403-1	M-189-20231109	550-210403-14	11/9/2023	Stage 2A	Water		X										X	X							
58583S	550-210403-1	M-193-20231109	550-210403-15	11/9/2023	Stage 2A	Water		X										X	X							
58583S	550-210403-1	M-19-20231109	550-210403-16	11/9/2023	Stage 2A	Water		X										X	X							
58583S	550-210403-1	M-67-20231109	550-210403-17	11/9/2023	Stage 2A	Water		X										X	X							
58583S	550-210403-1	M-12A-20231109	550-210403-18	11/9/2023	Stage 2A	Water		X										X	X				X			
58583S	550-210403-1	M-71-20231109	550-210403-19	11/9/2023	Stage 2A	Water		X										X	X							
58583S	550-210403-1	M-64-20231109	550-210403-20	11/9/2023	Stage 2A	Water		X										X	X							
58583S	550-210403-1	M-25-20231109	550-210403-21	11/9/2023	Stage 2A	Water		X										X	X							
58583T	550-210442-1	M-79-20231110	550-210442-1	11/10/2023	Stage 2A	Water		X										X	X							
58583T	550-210442-1	M-14A-20231110	550-210442-2	11/10/2023	Stage 2A	Water		X										X	X							
58583T	550-210442-1	M-68-20231110	550-210442-3	11/10/2023	Stage 2A	Water		X										X	X							
58583T	550-210442-1	M-186D-20231110	550-210442-4	11/10/2023	Stage 2A	Water		X										X	X							
58583T	550-210442-1	M-161D-20231110	550-210442-5	11/10/2023	Stage 2A	Water		X										X	X							
58583T	550-210442-1	M-162D-20231110	550-210442-6	11/10/2023	Stage 2A	Water		X										X	X							
58583U	550-210493-1	I-AC-20231113	550-2140493-1	11/13/2023	Stage 2A	Water		X				X						X	X				X			X
58583U	550-210493-1	I-AD-20231113	550-2140493-2	11/13/2023	Stage 2A	Water		X				X						X	X				X			X
58583U	550-210493-1	I-K-20231113	550-2140493-3	11/13/2023	Stage 2A	Water		X				X						X	X				X			X
58583U	550-210493-1	I-J-20231113	550-2140493-4	11/13/2023	Stage 2A	Water		X				X						X	X				X			X
58583U	550-210493-1	I-Z-20231113	550-2140493-5	11/13/2023	Stage 2A	Water		X				X						X	X				X			X
58583U	550-210493-1	I-I-20231113	550-2140493-6	11/13/2023	Stage 2A	Water		X				X						X	X				X			X
58583U	550-210493-1	I-V-20231113	550-2140493-7	11/13/2023	Stage 2A	Water		X				X						X	X				X			X
58583V	550-210494-1	I-Q-20231113	550-210494-1	11/13/2023	Stage 2A	Water		X				X						X	X				X			X
58583V	550-210494-1	I-G-20231113	550-210494-2	11/13/2023	Stage 2A	Water		X				X						X	X				X			X
58583V	550-210494-1	I-T-20231113	550-210494-3	11/13/2023	Stage 2A	Water	FD40	X				X						X	X				X			X

Table I. Sample Cross-Reference

LDC	SDG	Client Sample ID	Lab ID	Sample Date	Validation Level	Matrix	QC Type	Chromium (200.7)	Metals (200.7)	Cr(VI) (7199)	Cl (300.0)	NO3-N (300.0)	NO2/NO3-N (300.0)	NO2-N (300.0)	NO2/NO3-N (300.0)	SO4 (300.0)	Total Inorganic Nitrogen (Calc.)	Chlorate (300.1B)	ClO4 (314.0)	NH3-N (E350.1)	Phenolics (E420.4)	Conductivity (SM2510)	TDS (SM2540C)	TOC (SM5310B)	TOX (SW9020)	Field pH
58583V	550-210494-1	I-U-20231113	550-210494-4	11/13/2023	Stage 2A	Water		X				X						X	X				X			X
58583V	550-210494-1	I-H-20231113	550-210494-5	11/13/2023	Stage 2A	Water		X				X						X	X				X			X
58583V	550-210494-1	I-P-20231113	550-210494-6	11/13/2023	Stage 2A	Water		X				X						X	X				X			X
58583V	550-210494-1	I-W-20231113	550-210494-7	11/13/2023	Stage 2A	Water		X				X						X	X				X			X
58583V	550-210494-1	I-O-20231113	550-210494-8	11/13/2023	Stage 2A	Water		X				X						X	X				X			X
58583V	550-210494-1	I-T-20231113-FD	550-210494-9	11/13/2023	Stage 2A	Water	FD40	X				X						X	X				X			X
58583V	550-210494-1	I-U-20231113-EB	550-210494-10	11/13/2023	Stage 2A	Water	EB	X				X						X	X				X			X
58583W	550-210553-1	ART-1A-20231114	550-210553-1	11/14/2023	Stage 2A	Water		X				X						X	X				X			X
58583W	550-210553-1	ART-2/2A-20231114	550-210553-2	11/14/2023	Stage 2A	Water		X				X						X	X				X			X
58583W	550-210553-1	ART-3A-20231114	550-210553-3	11/14/2023	Stage 2A	Water		X				X						X	X				X			X
58583W	550-210553-1	ART-4-20231114	550-210553-4	11/14/2023	Stage 2A	Water		X				X						X	X				X			X
58583W	550-210553-1	ART-7A-20231114	550-210553-5	11/14/2023	Stage 2A	Water		X				X						X	X				X			X
58583W	550-210553-1	ART-8A-20231114	550-210553-6	11/14/2023	Stage 2A	Water	FD41	X				X						X	X				X			X
58583W	550-210553-1	ART-9-20231114	550-210553-7	11/14/2023	Stage 2A	Water		X				X						X	X				X			X
58583W	550-210553-1	PC-150-20231114	550-210553-8	11/14/2023	Stage 2A	Water		X				X						X	X				X			X
58583W	550-210553-1	ART-8A-20231114-FD	550-210553-9	11/14/2023	Stage 2A	Water	FD41	X				X						X	X				X			X
58583W	550-210553-1	ART-9-20231114-EB	550-210553-10	11/14/2023	Stage 2A	Water	EB	X				X						X	X				X			X
58583X	550-210554-1	PC-99R2/R3-20231114	550-210554-1	11/14/2023	Stage 2A	Water		X				X						X	X				X			X
58583X	550-210554-1	PC-115R-20231114	550-210554-2	11/14/2023	Stage 2A	Water		X				X						X	X				X			X
58583X	550-210554-1	PC-116R-20231114	550-210554-3	11/14/2023	Stage 2A	Water		X				X						X	X				X			X
58583X	550-210554-1	PC-117-20231114	550-210554-4	11/14/2023	Stage 2A	Water		X				X						X	X				X			X
58583X	550-210554-1	PC-118-20231114	550-210554-5	11/14/2023	Stage 2A	Water		X				X						X	X				X			X
58583X	550-210554-1	PC-119-20231114	550-210554-6	11/14/2023	Stage 2A	Water		X				X						X	X				X			X
58583X	550-210554-1	PC-120-20231114	550-210554-7	11/14/2023	Stage 2A	Water		X				X						X	X				X			X
58583X	550-210554-1	PC-121-20231114	550-210554-8	11/14/2023	Stage 2A	Water	FD42	X				X						X	X				X			X
58583X	550-210554-1	PC-133-20231114	550-210554-9	11/14/2023	Stage 2A	Water		X				X						X	X				X			X
58583X	550-210554-1	PC-121-20231114-FD	550-210554-10	11/14/2023	Stage 2A	Water	FD42	X				X						X	X				X			X
58583X	550-210554-1	PC-133-20231114-EB	550-210554-11	11/14/2023	Stage 2A	Water	EB	X				X						X	X				X			X
58584A	L1674631	I-AA-20231107	L1674631-01	11/7/2023	Stage 2A	Water				X																
58584A	L1674631	I-AB-20231107	L1674631-02	11/7/2023	Stage 2A	Water				X																
58584A	L1674631	I-B-20231107	L1674631-03	11/7/2023	Stage 2A	Water				X																

Table I. Sample Cross-Reference

LDC	SDG	Client Sample ID	Lab ID	Sample Date	Validation Level	Matrix	QC Type	Chromium (200.7)	Metals (200.7)	Cr(VI) (7199)	Cl (300.0)	NO3-N (300.0)	NO2/NO3-N (300.0)	NO2-N (300.0)	NO2/NO3-N (300.0)	SO4 (300.0)	Total Inorganic Nitrogen (Calc.)	Chlorate (300.1B)	ClO4 (314.0)	NH3-N (E350.1)	Phenolics (E420.4)	Conductivity (SM2510)	TDS (SM2540C)	TOC (SM5310B)	TOX (SW9020)	Field pH
58584A	L1674631	I-R-20231107	L1674631-04	11/7/2023	Stage 2A	Water				X																
58584A	L1674631	I-Y-20231107	L1674631-05	11/7/2023	Stage 2A	Water				X																
58584A	L1674631	I-L-20231107	L1674631-06	11/7/2023	Stage 2A	Water				X																
58584A	L1674631	I-S-20231107	L1674631-07	11/7/2023	Stage 2A	Water				X																
58584A	L1674631	I-AR-20231107	L1674631-08	11/7/2023	Stage 2A	Water				X																
58584B	L1674634	I-C-20231107	L1674634-01	11/7/2023	Stage 2A	Water				X																
58584B	L1674634	I-F-20231107	L1674634-02	11/7/2023	Stage 2A	Water				X																
58584B	L1674634	I-X-20231107	L1674634-03	11/7/2023	Stage 2A	Water				X																
58584B	L1674634	I-N-20231107	L1674634-04	11/7/2023	Stage 2A	Water				X																
58584B	L1674634	I-E-20231107	L1674634-05	11/7/2023	Stage 2A	Water				X																
58584B	L1674634	I-M-20231107	L1674634-06	11/7/2023	Stage 2A	Water				X																
58584B	L1674634	I-D-20231107	L1674634-07	11/7/2023	Stage 2A	Water				X																
58584C	L1675272	M-44-20231108	L1675272-01	11/8/2023	Stage 2A	Water	FD43			X																
58584C	L1675272	M-44-20231108-FD	L1675272-02	11/8/2023	Stage 2A	Water	FD43			X																
58584C	L1675272	M-44-20231108-EB	L1675272-03	11/8/2023	Stage 2A	Water	EB			X																
58584C	L1675272	M-44-20231108-FB	L1675272-04	11/8/2023	Stage 2A	Water	FB			X																
58584C	L1675272	M-80-20231108	L1675272-05	11/8/2023	Stage 2A	Water				X																
58584D	L1675737	E1-1-20231109	L1675737-01	11/9/2023	Stage 2A	Water				X																
58584D	L1675737	E1-2-20231109	L1675737-02	11/9/2023	Stage 2A	Water				X																
58584D	L1675737	E1-3-20231109	L1675737-03	11/9/2023	Stage 2A	Water				X																
58584D	L1675737	E2-1-20231109	L1675737-04	11/9/2023	Stage 2A	Water	FD44			X																
58584D	L1675737	E2-2-20231109	L1675737-05	11/9/2023	Stage 2A	Water				X																
58584D	L1675737	E2-3-20231109	L1675737-06	11/9/2023	Stage 2A	Water				X																
58584D	L1675737	E2-4-20231109	L1675737-07	11/9/2023	Stage 2A	Water				X																
58584D	L1675737	E2-5-20231109	L1675737-08	11/9/2023	Stage 2A	Water				X																
58584D	L1675737	E2-1-20231109-FD	L1675737-09	11/9/2023	Stage 2A	Water	FD44			X																
58584D	L1675737	E2-2-20231109-EB	L1675737-10	11/9/2023	Stage 2A	Water	EB			X																
58584E	L1675899	M-11-20231109	L1675899-01	11/9/2023	Stage 2A	Water				X																
58584E	L1675899	M-12A-20231109	L1675899-02	11/9/2023	Stage 2A	Water				X																
58584E	L1675899	M-37-20231109	L1675899-03	11/9/2023	Stage 2A	Water				X																
58584E	L1675899	M-38-20231109	L1675899-04	11/9/2023	Stage 2A	Water				X																

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LDC	SDG	Client Sample ID	Lab ID	Sample Date	Validation Level	Matrix	QC Type	Chromium (200.7)	Metals (200.7)	Cr(VI) (7199)	Cl (300.0)	NO3-N (300.0)	NO2/NO3-N (300.0)	NO2-N (300.0)	NO2/NO3-N (300.0)	SO4 (300.0)	Total Inorganic Nitrogen (Calc.)	Chlorate (300.1B)	ClO4 (314.0)	NH3-N (E350.1)	Phenolics (E420.4)	Conductivity (SM2510)	TDS (SM2540C)	TOC (SM5310B)	TOX (SW9020)	Field pH
58584F	L1677331	I-AC-20231113	L1677331-01	11/13/2023	Stage 2A	Water				X																
58584F	L1677331	I-AD-20231113	L1677331-02	11/13/2023	Stage 2A	Water				X																
58584F	L1677331	I-K-20231113	L1677331-03	11/13/2023	Stage 2A	Water				X																
58584F	L1677331	I-J-20231113	L1677331-04	11/13/2023	Stage 2A	Water				X																
58584F	L1677331	I-Z-20231113	L1677331-05	11/13/2023	Stage 2A	Water				X																
58584F	L1677331	I-I-20231113	L1677331-06	11/13/2023	Stage 2A	Water				X																
58584F	L1677331	I-V-20231113	L1677331-07	11/13/2023	Stage 2A	Water				X																
58584G	L1677332	I-Q-20231113	L1677332-01	11/13/2023	Stage 2A	Water				X																
58584G	L1677332	I-G-20231113	L1677332-02	11/13/2023	Stage 2A	Water				X																
58584G	L1677332	I-T-20231113	L1677332-03	11/13/2023	Stage 2A	Water	FD45			X																
58584G	L1677332	I-U-20231113	L1677332-04	11/13/2023	Stage 2A	Water				X																
58584G	L1677332	I-H-20231113	L1677332-05	11/13/2023	Stage 2A	Water				X																
58584G	L1677332	I-P-20231113	L1677332-06	11/13/2023	Stage 2A	Water				X																
58584G	L1677332	I-W-20231113	L1677332-07	11/13/2023	Stage 2A	Water				X																
58584G	L1677332	I-O-20231113	L1677332-08	11/13/2023	Stage 2A	Water				X																
58584G	L1677332	I-T-20231113-FD	L1677332-09	11/13/2023	Stage 2A	Water	FD45			X																
58584G	L1677332	I-U-20231113-EB	L1677332-10	11/13/2023	Stage 2A	Water	EB			X																
58584H	L1677589	ART-1A-20231114	L1677589-01	11/14/2023	Stage 2A	Water				X																
58584H	L1677589	ART-2/2A-20231114	L1677589-02	11/14/2023	Stage 2A	Water				X																
58584H	L1677589	ART-3A-20231114	L1677589-03	11/14/2023	Stage 2A	Water				X																
58584H	L1677589	ART-4-20231114	L1677589-04	11/14/2023	Stage 2A	Water				X																
58584H	L1677589	ART-7A-20231114	L1677589-05	11/14/2023	Stage 2A	Water				X																
58584H	L1677589	ART-8A-20231114	L1677589-06	11/14/2023	Stage 2A	Water	FD46			X																
58584H	L1677589	ART-9-20231114	L1677589-07	11/14/2023	Stage 2A	Water				X																
58584H	L1677589	PC-150-20231114	L1677589-08	11/14/2023	Stage 2A	Water				X																
58584H	L1677589	ART-8A-20231114-FD	L1677589-09	11/14/2023	Stage 2A	Water	FD46			X																
58584H	L1677589	ART-9-20231114-EB	L1677589-10	11/14/2023	Stage 2A	Water	EB			X																
58584I	L1677594	PC-99R2/R3-20231114	L1677594-01	11/14/2023	Stage 2A	Water				X																
58584I	L1677594	PC-115R-20231114	L1677594-02	11/14/2023	Stage 2A	Water				X																
58584I	L1677594	PC-116R-20231114	L1677594-03	11/14/2023	Stage 2A	Water				X																
58584I	L1677594	PC-117-20231114	L1677594-04	11/14/2023	Stage 2A	Water				X																

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LDC	SDG	Client Sample ID	Lab ID	Sample Date	Validation Level	Matrix	QC Type	Chromium (200.7)	Metals (200.7)	Cr(VI) (7199)	Cl (300.0)	NO3-N (300.0)	NO2/NO3-N (300.0)	NO2-N (300.0)	NO2/NO3-N (300.0)	SO4 (300.0)	Total Inorganic Nitrogen (Calc.)	Chlorate (300.1B)	ClO4 (314.0)	NH3-N (E350.1)	Phenolics (E420.4)	Conductivity (SM2510)	TDS (SM2540C)	TOC (SM5310B)	TOX (SW9020)	Field pH
58584I	L1677594	PC-118-20231114	L1677594-05	11/14/2023	Stage 2A	Water				X																
58584I	L1677594	PC-119-20231114	L1677594-06	11/14/2023	Stage 2A	Water				X																
58584I	L1677594	PC-120-20231114	L1677594-07	11/14/2023	Stage 2A	Water				X																
58584I	L1677594	PC-121-20231114	L1677594-08	11/14/2023	Stage 2A	Water	FD47			X																
58584I	L1677594	PC-133-20231114	L1677594-09	11/14/2023	Stage 2A	Water				X																
58584I	L1677594	PC-121-20231114-FD	L1677594-10	11/14/2023	Stage 2A	Water	FD47			X																
58584I	L1677594	PC-133-20231114-EB	L1677594-11	11/14/2023	Stage 2A	Water	EB			X																
58582A	550-211433-1	E1-1-20231206	550-211433-1	12/6/2023	Stage 2A	Water		X				X						X	X				X		X	
58582A	550-211433-1	E1-2-20231206	550-211433-2	12/6/2023	Stage 2A	Water		X				X						X	X				X		X	
58582A	550-211433-1	E1-3-20231206	550-211433-3	12/6/2023	Stage 2A	Water		X				X						X	X				X		X	
58582A	550-211433-1	E2-1-20231206	550-211433-4	12/6/2023	Stage 2A	Water		X				X						X	X				X		X	
58582A	550-211433-1	E2-2-20231206	550-211433-5	12/6/2023	Stage 2A	Water		X				X						X	X				X		X	
58582A	550-211433-1	E2-3-20231206	550-211433-6	12/6/2023	Stage 2A	Water	FD48	X				X						X	X				X		X	
58582A	550-211433-1	E2-4-20231206	550-211433-7	12/6/2023	Stage 2A	Water		X				X						X	X				X		X	
58582A	550-211433-1	E2-5-20231206	550-211433-8	12/6/2023	Stage 2A	Water		X				X						X	X				X		X	
58582A	550-211433-1	E2-3-20231206-FD	550-211433-9	12/6/2023	Stage 2A	Water	FD48	X				X						X	X				X		X	
58582A	550-211433-1	E2-4-20231206-EB	550-211433-10	12/6/2023	Stage 2A	Water	EB	X				X						X	X				X		X	
58582B	550-211514-1	I-AA-20231207	550-211514-1	12/7/2023	Stage 2A	Water		X				X						X	X				X		X	
58582B	550-211514-1	I-AB-20231207	550-211514-2	12/7/2023	Stage 2A	Water		X				X						X	X				X		X	
58582B	550-211514-1	I-B-20231207	550-211514-3	12/7/2023	Stage 2A	Water		X				X						X	X				X		X	
58582B	550-211514-1	I-R-20231207	550-211514-4	12/7/2023	Stage 2A	Water		X				X						X	X				X		X	
58582B	550-211514-1	I-Y-20231207	550-211514-5	12/7/2023	Stage 2A	Water		X				X						X	X				X		X	
58582B	550-211514-1	I-L-20231207	550-211514-6	12/7/2023	Stage 2A	Water		X				X						X	X				X		X	
58582B	550-211514-1	I-S-20231207	550-211514-7	12/7/2023	Stage 2A	Water		X				X						X	X				X		X	
58582B	550-211514-1	I-AR-20231207	550-211514-8	12/7/2023	Stage 2A	Water		X				X						X	X				X		X	
58582C	550-211516-1	I-C-20231207	550-211516-1	12/7/2023	Stage 2A	Water		X				X						X	X				X		X	
58582C	550-211516-1	I-F-20231207	550-211516-2	12/7/2023	Stage 2A	Water		X				X						X	X				X		X	
58582C	550-211516-1	I-X-20231207	550-211516-3	12/7/2023	Stage 2A	Water		X				X						X	X				X		X	
58582C	550-211516-1	I-N-20231207	550-211516-4	12/7/2023	Stage 2A	Water		X				X						X	X				X		X	
58582C	550-211516-1	I-E-20231207	550-211516-5	12/7/2023	Stage 2A	Water		X				X						X	X				X		X	
58582C	550-211516-1	I-M-20231207	550-211516-6	12/7/2023	Stage 2A	Water		X				X						X	X				X		X	

Table I. Sample Cross-Reference

LDC	SDG	Client Sample ID	Lab ID	Sample Date	Validation Level	Matrix	QC Type	Chromium (200.7)	Metals (200.7)	Cr(VI) (7199)	Cl (300.0)	NO3-N (300.0)	NO2/NO3-N (300.0)	NO2-N (300.0)	NO2/NO3-N (300.0)	SO4 (300.0)	Total Inorganic Nitrogen (Calc.)	Chlorate (300.1B)	ClO4 (314.0)	NH3-N (E350.1)	Phenolics (E420.4)	Conductivity (SM2510)	TDS (SM2540C)	TOC (SM5310B)	TOX (SW9020)	Field pH
58582C	550-211516-1	I-D-20231207	550-211516-7	12/7/2023	Stage 2A	Water		X				X						X	X				X			X
58582D	550-211525-1	LVW0.55-1.5-20231206	550-211525-1	12/6/2023	Stage 2A	Water	FD49											X	X				X			
58582D	550-211525-1	LVW0.55-1.5-20231206-FD	550-211525-2	12/6/2023	Stage 2A	Water	FD49											X	X				X			
58582D	550-211525-1	LVW0.55-20231206-FB	550-211525-3	12/6/2023	Stage 2A	Water	FB											X	X				X			
58582D	550-211525-1	LVW3.5-1-1.4-20231206	550-211525-4	12/6/2023	Stage 2A	Water												X	X				X			
58582D	550-211525-1	LVW3.5-2-1.4-20231206	550-211525-5	12/6/2023	Stage 2A	Water												X	X				X			
58582D	550-211525-1	LVW3.5-3-1.2-20231206	550-211525-6	12/6/2023	Stage 2A	Water												X	X				X			
58582D	550-211525-1	LVW3.5-4-1.2-20231206	550-211525-7	12/6/2023	Stage 2A	Water												X	X				X			
58582D	550-211525-1	LVW3.5-5-1.2-20231206	550-211525-8	12/6/2023	Stage 2A	Water												X	X				X			
58582D	550-211525-1	LVW3.5-6-1.8-20231206	550-211525-9	12/6/2023	Stage 2A	Water												X	X				X			
58582D	550-211525-1	LVW4.2-1-1.8-20231206	550-211525-10	12/6/2023	Stage 2A	Water												X	X				X			
58582D	550-211525-1	LVW4.2-2-3.2-20231206	550-211525-11	12/6/2023	Stage 2A	Water												X	X				X			
58582D	550-211525-1	LVW4.2-3-2.5-20231206	550-211525-12	12/6/2023	Stage 2A	Water												X	X				X			
58582D	550-211525-1	LVW4.2-4-1.6-20231206	550-211525-13	12/6/2023	Stage 2A	Water												X	X				X			
58582D	550-211525-1	LVW4.75-1-1.7-20231206	550-211525-14	12/6/2023	Stage 2A	Water												X	X				X			
58582D	550-211525-1	LVW4.75-2-1.3-20231206	550-211525-15	12/6/2023	Stage 2A	Water												X	X				X			
58582D	550-211525-1	LVW4.75-3-1.3-20231206	550-211525-16	12/6/2023	Stage 2A	Water												X	X				X			
58582D	550-211525-1	LVW4.75-4-1.5-20231206	550-211525-17	12/6/2023	Stage 2A	Water												X	X				X			
58582D	550-211525-1	LVW4.75-5-1.3-20231206	550-211525-18	12/6/2023	Stage 2A	Water												X	X				X			
58582D	550-211525-1	LVW5.3-1-1.1-20231206	550-211525-19	12/6/2023	Stage 2A	Water												X	X				X			
58582D	550-211525-1	LVW5.3-2-2.6-20231206	550-211525-20	12/6/2023	Stage 2A	Water												X	X				X			
58582D	550-211525-1	LVW5.3-3-0.7-20231206	550-211525-21	12/6/2023	Stage 2A	Water												X	X				X			
58582D	550-211525-1	LVW5.3-4-1.3-20231206	550-211525-22	12/6/2023	Stage 2A	Water												X	X				X			
58582D	550-211525-1	LVW5.3-5-1.1-20231206	550-211525-23	12/6/2023	Stage 2A	Water												X	X				X			
58582D	550-211525-1	LVW5.3-6-1.4-20231206	550-211525-24	12/6/2023	Stage 2A	Water												X	X				X			
58582D	550-211525-1	Cl-W-0.0-20231206	550-211525-25	12/6/2023	Stage 2A	Water												X	X				X			
58582D	550-211525-1	LVW6.05-0.6-20231206	550-211525-26	12/6/2023	Stage 2A	Water	FD50											X	X				X			
58582D	550-211525-1	LVW6.05-0.6-20231206-FD	550-211525-27	12/6/2023	Stage 2A	Water	FD50											X	X				X			
58582D	550-211525-1	LVW6.05-20231206-FB	550-211525-28	12/6/2023	Stage 2A	Water	FB											X	X				X			
58582D	550-211525-1	LVW6.6-1-1.0-20231206	550-211525-29	12/6/2023	Stage 2A	Water												X	X				X			
58582D	550-211525-1	LVW6.6-2-3.5-20231206	550-211525-30	12/6/2023	Stage 2A	Water												X	X				X			

Table I. Sample Cross-Reference

LDC	SDG	Client Sample ID	Lab ID	Sample Date	Validation Level	Matrix	QC Type	Chromium (200.7)	Metals (200.7)	Cr(VI) (7199)	Cl (300.0)	NO3-N (300.0)	NO2/NO3-N (300.0)	NO2-N (300.0)	NO2/NO3-N (300.0)	SO4 (300.0)	Total Inorganic Nitrogen (Calc.)	Chlorate (300.1B)	ClO4 (314.0)	NH3-N (E350.1)	Phenolics (E420.4)	Conductivity (SM2510)	TDS (SM2540C)	TOC (SM5310B)	TOX (SW9020)	Field pH
58582D	550-211525-1	LVW6.6-3-1.5-20231206	550-211525-31	12/6/2023	Stage 2A	Water												X	X				X			
58582D	550-211525-1	LVW7.2-1.8-20231206	550-211525-32	12/6/2023	Stage 2A	Water	FD51											X	X				X			
58582D	550-211525-1	LVW7.2-1.8-20231206-FD	550-211525-33	12/6/2023	Stage 2A	Water	FD51											X	X				X			
58582D	550-211525-1	LVW8.85-0.4-20231206	550-211525-34	12/6/2023	Stage 2A	Water												X	X				X			
58582E	550-211674-1	I-Q-20231212	550-211674-1	12/12/2023	Stage 2A	Water		X				X						X	X				X			X
58582E	550-211674-1	I-G-20231212	550-211674-2	12/12/2023	Stage 2A	Water		X				X						X	X				X			X
58582E	550-211674-1	I-T-20231212	550-211674-3	12/12/2023	Stage 2A	Water		X				X						X	X				X			X
58582E	550-211674-1	I-U-20231212	550-211674-4	12/12/2023	Stage 2A	Water		X				X						X	X				X			X
58582E	550-211674-1	I-H-20231212	550-211674-5	12/12/2023	Stage 2A	Water		X				X						X	X				X			X
58582E	550-211674-1	I-P-20231212	550-211674-6	12/12/2023	Stage 2A	Water		X				X						X	X				X			X
58582E	550-211674-1	I-W-20231212	550-211674-7	12/12/2023	Stage 2A	Water		X				X						X	X				X			X
58582E	550-211674-1	I-O-20231212	550-211674-8	12/12/2023	Stage 2A	Water		X				X						X	X				X			X
58582E	550-211674-1	I-W-20231212-EB	550-211674-9	12/12/2023	Stage 2A	Water	EB	X				X						X	X				X			X
58582F	550-211806-1	PC-99R2/R3-20231214	550-211806-1	12/14/2023	Stage 2A	Water	FD52	X				X						X	X				X			X
58582F	550-211806-1	PC-115R-20231214	550-211806-2	12/14/2023	Stage 2A	Water		X				X						X	X				X			X
58582F	550-211806-1	PC-116R-20231214	550-211806-3	12/14/2023	Stage 2A	Water		X				X						X	X				X			X
58582F	550-211806-1	PC-117-20231214	550-211806-4	12/14/2023	Stage 2A	Water		X				X						X	X				X			X
58582F	550-211806-1	PC-118-20231214	550-211806-5	12/14/2023	Stage 2A	Water		X				X						X	X				X			X
58582F	550-211806-1	PC-119-20231214	550-211806-6	12/14/2023	Stage 2A	Water		X				X						X	X				X			X
58582F	550-211806-1	PC-120-20231214	550-211806-7	12/14/2023	Stage 2A	Water		X				X						X	X				X			X
58582F	550-211806-1	PC-121-20231214	550-211806-8	12/14/2023	Stage 2A	Water		X				X						X	X				X			X
58582F	550-211806-1	PC-133-20231214	550-211806-9	12/14/2023	Stage 2A	Water		X				X						X	X				X			X
58582F	550-211806-1	PC-99R2/R3-20231214-FD	550-211806-10	12/14/2023	Stage 2A	Water	FD52	X				X						X	X				X			X
58582F	550-211806-1	PC-115R-20231214-EB	550-211806-11	12/14/2023	Stage 2A	Water	EB	X				X						X	X				X			X
58582G	550-211807-1	ART-1A-20231214	550-211807-1	12/14/2023	Stage 2A	Water		X				X						X	X				X			X
58582G	550-211807-1	ART-2/2A-20231214	550-211807-2	12/14/2023	Stage 2A	Water		X				X						X	X				X			X
58582G	550-211807-1	ART-3A-20231214	550-211807-3	12/14/2023	Stage 2A	Water		X				X						X	X				X			X
58582G	550-211807-1	ART-4-20231214	550-211807-4	12/14/2023	Stage 2A	Water		X				X						X	X				X			X
58582G	550-211807-1	ART-7A-20231214	550-211807-5	12/14/2023	Stage 2A	Water		X				X						X	X				X			X
58582G	550-211807-1	ART-8A-20231214	550-211807-6	12/14/2023	Stage 2A	Water		X				X						X	X				X			X
58582G	550-211807-1	ART-9-20231214	550-211807-7	12/14/2023	Stage 2A	Water		X				X						X	X				X			X

Table I. Sample Cross-Reference

LDC	SDG	Client Sample ID	Lab ID	Sample Date	Validation Level	Matrix	QC Type	Chromium (200.7)	Metals (200.7)	Cr(VI) (7199)	Cl (300.0)	NO3-N (300.0)	NO2/NO3-N (300.0)	NO2-N (300.0)	NO2/NO3-N (300.0)	SO4 (300.0)	Total Inorganic Nitrogen (Calc.)	Chlorate (300.1B)	ClO4 (314.0)	NH3-N (E350.1)	Phenolics (E420.4)	Conductivity (SM2510)	TDS (SM2540C)	TOC (SM5310B)	TOX (SW9020)	Field pH
58582G	550-211807-1	PC-150-20231214	550-211807-8	12/14/2023	Stage 2A	Water	FD53	X				X						X	X				X			X
58582G	550-211807-1	PC-150-20231214-FD	550-211807-9	12/14/2023	Stage 2A	Water	FD53	X				X						X	X				X			X
58582G	550-211807-1	ART-1A-20231214-EB	550-211807-10	12/14/2023	Stage 2A	Water	EB	X				X						X	X				X			X
58582H	550-211808-1	I-AC-20231214	550-211808-1	12/14/2023	Stage 2A	Water		X				X						X	X				X			X
58582H	550-211808-1	I-AD-20231214	550-211808-2	12/14/2023	Stage 2A	Water		X				X						X	X				X			X
58582H	550-211808-1	I-K-20231214	550-211808-3	12/14/2023	Stage 2A	Water		X				X						X	X				X			X
58582H	550-211808-1	I-J-20231214	550-211808-4	12/14/2023	Stage 2A	Water		X				X						X	X				X			X
58582H	550-211808-1	I-Z-20231214	550-211808-5	12/14/2023	Stage 2A	Water		X				X						X	X				X			X
58582H	550-211808-1	I-I-20231214	550-211808-6	12/14/2023	Stage 2A	Water		X				X						X	X				X			X
58582H	550-211808-1	I-V-20231214	550-211808-7	12/14/2023	Stage 2A	Water	FD54	X				X						X	X				X			X
58582H	550-211808-1	I-V-20231214-FD	550-211808-8	12/14/2023	Stage 2A	Water	FD54	X				X						X	X				X			X
58582I	L1684897	E1-1-20231206	L1684897-01	12/6/2023	Stage 2A	Water				X																
58582I	L1684897	E1-2-20231206	L1684897-02	12/6/2023	Stage 2A	Water				X																
58582I	L1684897	E1-3-20231206	L1684897-03	12/6/2023	Stage 2A	Water				X																
58582I	L1684897	E2-1-20231206	L1684897-04	12/6/2023	Stage 2A	Water				X																
58582I	L1684897	E2-2-20231206	L1684897-05	12/6/2023	Stage 2A	Water				X																
58582I	L1684897	E2-3-20231206	L1684897-06	12/6/2023	Stage 2A	Water	FD55			X																
58582I	L1684897	E2-4-20231206	L1684897-07	12/6/2023	Stage 2A	Water				X																
58582I	L1684897	E2-5-20231206	L1684897-08	12/6/2023	Stage 2A	Water				X																
58582I	L1684897	E2-3-20231206-FD	L1684897-09	12/6/2023	Stage 2A	Water	FD55			X																
58582I	L1684897	E2-4-20231206-EB	L1684897-10	12/6/2023	Stage 2A	Water	EB			X																
58582J	L1685244	I-AA-20231207	L1685244-01	12/7/2023	Stage 2A	Water				X																
58582J	L1685244	I-AB-20231207	L1685244-02	12/7/2023	Stage 2A	Water				X																
58582J	L1685244	I-B-20231207	L1685244-03	12/7/2023	Stage 2A	Water				X																
58582J	L1685244	I-R-20231207	L1685244-04	12/7/2023	Stage 2A	Water				X																
58582J	L1685244	I-Y-20231207	L1685244-05	12/7/2023	Stage 2A	Water				X																
58582J	L1685244	I-L-20231207	L1685244-06	12/7/2023	Stage 2A	Water				X																
58582J	L1685244	I-S-20231207	L1685244-07	12/7/2023	Stage 2A	Water				X																
58582J	L1685244	I-AR-20231207	L1685244-08	12/7/2023	Stage 2A	Water				X																
58582K	L1685253	I-C-20231207	L1685253-01	12/7/2023	Stage 2A	Water				X																
58582K	L1685253	I-F-20231207	L1685253-02	12/7/2023	Stage 2A	Water				X																

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LDC	SDG	Client Sample ID	Lab ID	Sample Date	Validation Level	Matrix	QC Type	Chromium (200.7)	Metals (200.7)	Cr(VI) (7199)	Cl (300.0)	NO3-N (300.0)	NO2/NO3-N (300.0)	NO2-N (300.0)	NO2/NO3-N (300.0)	SO4 (300.0)	Total Inorganic Nitrogen (Calc.)	Chlorate (300.1B)	ClO4 (314.0)	NH3-N (E350.1)	Phenolics (E420.4)	Conductivity (SM2510)	TDS (SM2540C)	TOC (SM5310B)	TOX (SW9020)	Field pH
58582K	L1685253	I-X-20231207	L1685253-03	12/7/2023	Stage 2A	Water				X																
58582K	L1685253	I-N-20231207	L1685253-04	12/7/2023	Stage 2A	Water				X																
58582K	L1685253	I-E-20231207	L1685253-05	12/7/2023	Stage 2A	Water				X																
58582K	L1685253	I-M-20231207	L1685253-06	12/7/2023	Stage 2A	Water				X																
58582K	L1685253	I-D-20231207	L1685253-07	12/7/2023	Stage 2A	Water				X																
58582L	L1686916	I-Q-20231212	L1686916-01	12/12/2023	Stage 2A	Water				X																
58582L	L1686916	I-G-20231212	L1686916-02	12/12/2023	Stage 2A	Water				X																
58582L	L1686916	I-T-20231212	L1686916-03	12/12/2023	Stage 2A	Water				X																
58582L	L1686916	I-U-20231212	L1686916-04	12/12/2023	Stage 2A	Water				X																
58582L	L1686916	I-H-20231212	L1686916-05	12/12/2023	Stage 2A	Water				X																
58582L	L1686916	I-P-20231212	L1686916-06	12/12/2023	Stage 2A	Water				X																
58582L	L1686916	I-W-20231212	L1686916-07	12/12/2023	Stage 2A	Water				X																
58582L	L1686916	I-O-20231212	L1686916-08	12/12/2023	Stage 2A	Water				X																
58582L	L1686916	I-W-20231212-EB	L1686916-09	12/12/2023	Stage 2A	Water	EB			X																
58582M	L1688045	PC-99R2/R3-20231214	L1688045-01	12/14/2023	Stage 2A	Water	FD56			X																
58582M	L1688045	PC-115R-20231214	L1688045-02	12/14/2023	Stage 2A	Water				X																
58582M	L1688045	PC-116R-20231214	L1688045-03	12/14/2023	Stage 2A	Water				X																
58582M	L1688045	PC-117-20231214	L1688045-04	12/14/2023	Stage 2A	Water				X																
58582M	L1688045	PC-118-20231214	L1688045-05	12/14/2023	Stage 2A	Water				X																
58582M	L1688045	PC-119-20231214	L1688045-06	12/14/2023	Stage 2A	Water				X																
58582M	L1688045	PC-120-20231214	L1688045-07	12/14/2023	Stage 2A	Water				X																
58582M	L1688045	PC-121-20231214	L1688045-08	12/14/2023	Stage 2A	Water				X																
58582M	L1688045	PC-133-20231214	L1688045-09	12/14/2023	Stage 2A	Water				X																
58582M	L1688045	PC-99R2/R3-20231214-FD	L1688045-10	12/14/2023	Stage 2A	Water	FD56			X																
58582M	L1688045	PC-115R-20231214-EB	L1688045-11	12/14/2023	Stage 2A	Water	EB			X																
58582N	L1688054	ART-1A-20231214	L1688054-01	12/14/2023	Stage 2A	Water				X																
58582N	L1688054	ART-2/2A-20231214	L1688054-02	12/14/2023	Stage 2A	Water				X																
58582N	L1688054	ART-3A-20231214	L1688054-03	12/14/2023	Stage 2A	Water				X																
58582N	L1688054	ART-4-20231214	L1688054-04	12/14/2023	Stage 2A	Water				X																
58582N	L1688054	ART-7A-20231214	L1688054-05	12/14/2023	Stage 2A	Water				X																
58582N	L1688054	ART-8A-20231214	L1688054-06	12/14/2023	Stage 2A	Water				X																

Table I. Sample Cross-Reference

LDC	SDG	Client Sample ID	Lab ID	Sample Date	Validation Level	Matrix	QC Type	Chromium (200.7)	Metals (200.7)	Cr(VI) (7199)	Cl (300.0)	NO3-N (300.0)	NO2/NO3-N (300.0)	NO2-N (300.0)	NO2/NO3-N (300.0)	SO4 (300.0)	Total Inorganic Nitrogen (Calc.)	Chlorate (300.1B)	ClO4 (314.0)	NH3-N (E350.1)	Phenolics (E420.4)	Conductivity (SM2510)	TDS (SM2540C)	TOC (SM5310B)	TOX (SW9020)	Field pH
58582N	L1688054	ART-9-20231214	L1688054-07	12/14/2023	Stage 2A	Water				X																
58582N	L1688054	PC-150-20231214	L1688054-08	12/14/2023	Stage 2A	Water	FD57			X																
58582N	L1688054	PC-150-20231214-FD	L1688054-09	12/14/2023	Stage 2A	Water	FD57			X																
58582N	L1688054	ART-1A-20231214-EB	L1688054-10	12/14/2023	Stage 2A	Water	EB			X																
58582O	L1688060	I-AC-20231214	L1688060-01	12/14/2023	Stage 2A	Water				X																
58582O	L1688060	I-AD-20231214	L1688060-02	12/14/2023	Stage 2A	Water				X																
58582O	L1688060	I-K-20231214	L1688060-03	12/14/2023	Stage 2A	Water				X																
58582O	L1688060	I-J-20231214	L1688060-04	12/14/2023	Stage 2A	Water				X																
58582O	L1688060	I-Z-20231214	L1688060-05	12/14/2023	Stage 2A	Water				X																
58582O	L1688060	I-I-20231214	L1688060-06	12/14/2023	Stage 2A	Water				X																
58582O	L1688060	I-V-20231214	L1688060-07	12/14/2023	Stage 2A	Water	FD58			X																
58582O	L1688060	I-V-20231214-FD	L1688060-08	12/14/2023	Stage 2A	Water	FD58			X																

Table II. Stage 2A Validation Elements

Quality Control Elements	Stage 2A	
	Metals	Wet Chemistry
Sample Receipt & Technical Holding Time	√	√
Instrument Performance Check	-	-
Initial Calibration (ICAL)	-	-
Initial Calibration Verification (ICV)	-	-
Continuing Calibration Verification (CCV)	-	-
Laboratory Blanks	√	√
Initial Calibration Blank and Continuing Calibration Blank (ICB/CCB)	-	-
Field Blanks	√	√
Inductively Coupled Plasma (ICP) Interference Check Sample	-	N/A
Surrogate Spikes	N/A	√
Matrix Spike (MS)/ Matrix Spike Duplicate (MSD)	√	√
Laboratory Duplicate (DUP)	N/A	√
Laboratory Control Sample (LCS)/ Laboratory Control Sample Duplicate (LCSD)	√	√
Serial Dilution	-	N/A
Internal Standards	-	N/A
Field Duplicate	√	√
Project Quantitation Limits (QLs) ¹	√	√
Multiple Results for One Sample	√	√
Compound Quantitation/ Sample Result Verification	-	-
Overall Data Usability Assessment	√	√

√ = Reviewed for Stage 2A review

N/A = Not applicable to method or not performed during this sampling event

- = Not applicable for Stage 2A review

¹PQLs verified for all methods.

Table III. Stage 2A Validation Percentage

Parameter	Stage 2A Results	Total Results	Stage 2A (%)
Metals	519	519	100
Hexavalent Chromium	396	396	100
Chloride, Nitrate-N, Nitrate/Nitrite-N, Nitrite-N, and Sulfate	393	393	100
Total Inorganic Nitrogen - Calculation	2	2	100
Chlorate	685	685	100
Perchlorate	699	699	100
Ammonia-N	2	2	100
Total Recoverable Phenolics	4	4	100
Conductivity	4	4	100
TDS	608	608	100
TOC	4	4	100
TOX	4	4	100

Table IV. Reason Codes and Definitions

Reason Code	Explanation
a	qualified due to low abundance (radiochemical activity)
ba	blank contamination above PQL
bb	blank contamination below PQL
be	qualified due to equipment blank contamination
bf	qualified due to field blank contamination
bl	qualified due to lab blank contamination
bt	qualified due to trip blank contamination
bp	qualified due to pump blank contamination (wells w/o dedicated pumps, when contamination is detected in the Pump Blk)
br	qualified due to filter blank contamination (aqueous Hexavalent Chromium and Dissolved sample fractions)
c	qualified due to calibration problems
cp	qualified due to insufficient ingrowth (radiochemical only)
dc	dual column confirmation RPD exceeded
e	concentration exceeded the calibration range
fd	qualified due to field duplicate imprecision
h	qualified due to holding time exceedance
i	qualified due to internal standard areas
k	qualified as Estimated Maximum Possible Concentrations (dioxins and PCB congeners)
l	qualified due to LCS recoveries
ld	qualified due to lab duplicate imprecision (matrix duplicate, MSD, LCSD)
m	qualified due to matrix spike recoveries
nb	qualified due to negative lab blank contamination (nondetect results only)
nd	qualified due to non-detected target analyte
o	other
orr	other result reported
p	qualified as a false positive due to contamination during shipping
pH	sample preservation not within acceptance range
q	qualified due to quantitation problem
s	qualified due to surrogate recoveries
sd	serial dilution did not meet control criteria
sp	detected value reported >SQL <PQL
st	sample receipt temperature exceeded
t	qualified due to elevated helium tracer concentrations
vh	volatile headspace detected in aqueous sample containers submitted for VOC analysis
x	qualified due to low % solids
z	qualified due to ICS results

Table V. Overall Qualified Results

SDG	Client Sample ID	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator	Qualification Finding	Acceptance Criteria	
5502044151	PC-116R - 20230706	E200.7	7440-47-3	Chromium (total)	0.0030	J	0.00085	0.010	mg/l	J	sp	<PQL			
5502044151	PC-117 - 20230706	E200.7	7440-47-3	Chromium (total)	0.0062	J	0.00085	0.010	mg/l	J	sp	<PQL			
5502048201	I-M-20230713-EB	E200.7	7440-47-3	Chromium (total)	0.018	J	0.00085	0.050	mg/l	J	sp	<PQL			
5502060021	M-6A-20230804	E200.7	7440-47-3	Chromium (total)	0.0016	J	0.00085	0.010	mg/l	J	sp	<PQL			
5502060021	M-6A-20230804	E200.7	7439-89-6	Iron	0.018	J	0.010	0.10	mg/l	J	sp	<PQL			
5502060021	M-7B-20230804	E200.7	7439-89-6	Iron	0.094	J	0.010	0.10	mg/l	J	sp	<PQL			
5502060081	M-12A-20230804-EB	E200.7	7440-47-3	Chromium (total)	0.00098	J	0.00085	0.010	mg/l	J	sp	<PQL			
5502062701	PC-116R-20230810	E200.7	7440-47-3	Chromium (total)	0.0043	J	0.00085	0.010	mg/l	J	be,bb,sp	EB Contamination <PQL, <PQL		0.0043	mg/l
5502062701	PC-116R-20230810-EB	E200.7	7440-47-3	Chromium (total)	0.00089	JB^2	0.00085	0.010	mg/l	J	bl,bb,sp	Blank Contamination <PQL, <PQL		0.00089	mg/l
5502062701	PC-117-20230810	E200.7	7440-47-3	Chromium (total)	0.0057	J	0.00085	0.010	mg/l	J	sp	<PQL			
5502091061	PC-117-20231012	E200.7	7440-47-3	Chromium (total)	0.0011	J	0.00085	0.010	mg/l	J	sp	<PQL			
5502078151	PC-116R-20230914	E200.7	7440-47-3	Chromium (total)	0.0018	J	0.00085	0.010	mg/l	J	sp	<PQL			
5502078151	PC-117-20230914	E200.7	7440-47-3	Chromium (total)	0.0036	J	0.00085	0.010	mg/l	J	sp	<PQL			
5502078151	PC-117-20230914-FD	E200.7	7440-47-3	Chromium (total)	0.0036	J	0.00085	0.010	mg/l	J	sp	<PQL			
5502101571	PC-58-20231106	E200.7	7440-47-3	Chromium (total)	0.0068	J	0.00085	0.010	mg/l	J	sp	<PQL			
5502101791	ARP-4A-20231107	E200.7	7440-47-3	Chromium (total)	0.0013	J	0.00085	0.010	mg/l	J	sp	<PQL			
5502101791	MW-K4-20231107	E200.7	7440-47-3	Chromium (total)	0.0034	J	0.00085	0.010	mg/l	J	sp	<PQL			
5502101791	MW-K5-20231107	E200.7	7440-47-3	Chromium (total)	0.0023	J	0.00085	0.010	mg/l	J	sp	<PQL			
5502101791	MW-K5-20231107-FD	E200.7	7440-47-3	Chromium (total)	0.0025	J	0.00085	0.010	mg/l	J	sp	<PQL			
5502101791	PC-101R-20231107	E200.7	7440-47-3	Chromium (total)	0.00094	J	0.00085	0.010	mg/l	J	sp	<PQL			
5502101791	PC-135A-20231107	E200.7	7440-47-3	Chromium (total)	0.0021	J	0.00085	0.010	mg/l	J	sp	<PQL			
5502103561	PC-149-20231108-FB	E200.7	7440-47-3	Chromium (total)	0.0018	J	0.00085	0.010	mg/l	J	sp	<PQL			
5502103571	PC-157A-20231108	E200.7	7440-47-3	Chromium (total)	0.0045	J	0.00085	0.010	mg/l	J	sp	<PQL			
5502102881	M-10-20231108	E200.7	7439-89-6	Iron	29		29	0.10	mg/l	J-	l	LCS/LCSD %R	-,84	85-115	%
L1632700	PC-99R2/R3-20230706	SW7199	18540-29-9	Chromium VI	0.250	J	0.150	0.500	ug/l	J	sp	<PQL			
L1632700	PC-99R2/R3-20230706-EB	SW7199	18540-29-9	Chromium VI		J6	0.150	0.500	ug/l	UJ	m	MS/MSD %R	-,85.6	90-110	%
L1641037	I-C-20230801	SW7199	18540-29-9	Chromium VI	2460		7.50	25.0	ug/l	J-	m	MS/MSD %R	88.6,-	90-110	%
L1641037	I-D-20230801	SW7199	18540-29-9	Chromium VI	4140		15.0	50.0	ug/l	J-	m	MS/MSD %R	88.6,-	90-110	%
L1641037	I-E-20230801	SW7199	18540-29-9	Chromium VI	5650		15.0	50.0	ug/l	J-	m	MS/MSD %R	88.6,-	90-110	%
L1641037	I-F-20230801	SW7199	18540-29-9	Chromium VI	11300		30.0	100	ug/l	J-	m	MS/MSD %R	88.6,-	90-110	%
L1641037	I-M-20230801	SW7199	18540-29-9	Chromium VI	4960		15.0	50.0	ug/l	J-	m	MS/MSD %R	88.6,-	90-110	%
L1641037	I-N-20230801	SW7199	18540-29-9	Chromium VI	6850		15.0	50.0	ug/l	J-	m	MS/MSD %R	88.6,-	90-110	%
L1641037	I-X-20230801	SW7199	18540-29-9	Chromium VI	9270	J6	30.0	100	ug/l	J-	m	MS/MSD %R	88.6,-	90-110	%
L1641046	I-AB-20230801	SW7199	18540-29-9	Chromium VI	0.365	J	0.150	0.500	ug/l	J	sp	<PQL			
L1644551	PC-99R2/R3-20230810	SW7199	18540-29-9	Chromium VI	0.181	J	0.150	0.500	ug/l	J	sp	<PQL			

Table V. Overall Qualified Results

SDG	Client Sample ID	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator	Qualification Finding	Acceptance Criteria	
L1647125	E1-1-20230817	SW7199	18540-29-9	Chromium VI	90.6		0.150	0.500	ug/l	J-	m	MS/MSD %R	86.6,86.2	90-110	%
L1647125	E1-2-20230817	SW7199	18540-29-9	Chromium VI	611		1.50	5.00	ug/l	J-	m	MS/MSD %R	86.6,86.2	90-110	%
L1647125	E1-3-20230817	SW7199	18540-29-9	Chromium VI	692		1.50	5.00	ug/l	J-	m	MS/MSD %R	86.6,86.2	90-110	%
L1647125	E2-1-20230817	SW7199	18540-29-9	Chromium VI	24.6		0.150	0.500	ug/l	J-	m	MS/MSD %R	86.6,86.2	90-110	%
L1647125	E2-2-20230817	SW7199	18540-29-9	Chromium VI	25.6		0.150	0.500	ug/l	J-	m	MS/MSD %R	86.6,86.2	90-110	%
L1647125	E2-3-20230817	SW7199	18540-29-9	Chromium VI	113		1.50	5.00	ug/l	J-	m	MS/MSD %R	86.6,86.2	90-110	%
L1647125	E2-3-20230817-FD	SW7199	18540-29-9	Chromium VI	111		0.300	1.00	ug/l	J-	m	MS/MSD %R	86.6,86.2	90-110	%
L1647125	E2-4-20230817	SW7199	18540-29-9	Chromium VI	73.0	J6	0.150	0.500	ug/l	J-	m	MS/MSD %R	86.6,86.2	90-110	%
L1647125	E2-5-20230817	SW7199	18540-29-9	Chromium VI	208		0.750	2.50	ug/l	J-	m	MS/MSD %R	86.6,86.2	90-110	%
L1665639	PC-115R-20231012	SW7199	18540-29-9	Chromium VI	0.174	J	0.150	0.500	ug/l	J	sp	<PQL			
L1665647	ART-1A-20231012	SW7199	18540-29-9	Chromium VI	0.165	J	0.150	0.500	ug/l	J	sp	<PQL			
L1654489	E1-1-20230911	SW7199	18540-29-9	Chromium VI	96.7		0.150	0.500	ug/l	J+	m	MS/MSD %R	114,-	90-110	%
L1654489	E1-2-20230911	SW7199	18540-29-9	Chromium VI	624		1.50	5.00	ug/l	J+	m	MS/MSD %R	114,-	90-110	%
L1654489	E1-3-20230911	SW7199	18540-29-9	Chromium VI	731		3.00	10.0	ug/l	J+	m	MS/MSD %R	114,-	90-110	%
L1654489	E2-1-20230911	SW7199	18540-29-9	Chromium VI	26.4	J5	0.150	0.500	ug/l	J+	m	MS/MSD %R	114,-	90-110	%
L1654489	E2-2-20230911	SW7199	18540-29-9	Chromium VI	27.6		0.150	0.500	ug/l	J+	m	MS/MSD %R	114,-	90-110	%
L1654489	E2-3-20230911	SW7199	18540-29-9	Chromium VI	120		1.50	5.00	ug/l	J+	m	MS/MSD %R	114,-	90-110	%
L1654489	E2-4-20230911	SW7199	18540-29-9	Chromium VI	64.1		0.150	0.500	ug/l	J+	m	MS/MSD %R	114,-	90-110	%
L1654489	E2-5-20230911	SW7199	18540-29-9	Chromium VI	251		0.750	2.50	ug/l	J+	m	MS/MSD %R	114,-	90-110	%
L1654489	E2-5-20230911-FD	SW7199	18540-29-9	Chromium VI	252		0.750	2.50	ug/l	J+	m	MS/MSD %R	114,-	90-110	%
L1655729	PC-115R-20230914	SW7199	18540-29-9	Chromium VI		J6	0.150	0.500	ug/l	UJ	m	MS/MSD %R	85.7,-	90-110	%
L1655729	PC-116R-20230914	SW7199	18540-29-9	Chromium VI			0.150	0.500	ug/l	UJ	m	MS/MSD %R	85.7,-	90-110	%
L1655729	PC-117-20230914	SW7199	18540-29-9	Chromium VI	7.93		0.150	0.500	ug/l	J-	m	MS/MSD %R	85.7,-	90-110	%
L1655729	PC-117-20230914-FD	SW7199	18540-29-9	Chromium VI	7.80		0.150	0.500	ug/l	J-	m	MS/MSD %R	85.7,-	90-110	%
L1655729	PC-118-20230914	SW7199	18540-29-9	Chromium VI			0.150	0.500	ug/l	UJ	m	MS/MSD %R	85.7,-	90-110	%
L1655729	PC-119-20230914	SW7199	18540-29-9	Chromium VI			0.150	0.500	ug/l	UJ	m	MS/MSD %R	85.7,-	90-110	%
L1655729	PC-120-20230914	SW7199	18540-29-9	Chromium VI			0.150	0.500	ug/l	UJ	m	MS/MSD %R	85.7,-	90-110	%
L1655729	PC-121-20230914	SW7199	18540-29-9	Chromium VI			0.150	0.500	ug/l	UJ	m	MS/MSD %R	85.7,-	90-110	%
L1655729	PC-133-20230914	SW7199	18540-29-9	Chromium VI			0.150	0.500	ug/l	UJ	m	MS/MSD %R	85.7,-	90-110	%
L1655729	PC-99R2/R3-20230914	SW7199	18540-29-9	Chromium VI	0.506	P1	0.150	0.500	ug/l	J-	m	MS/MSD %R	85.7,-	90-110	%
L1688054	ART-1A-20231214	SW7199	18540-29-9	Chromium VI	0.211	J	0.150	0.500	ug/l	J	sp	<PQL			
L1674631	I-AA-20231107	SW7199	18540-29-9	Chromium VI	46.7		0.150	0.500	ug/l	J-	m	MS %R	87.4	90-110	%
L1674631	I-AB-20231107	SW7199	18540-29-9	Chromium VI	12.2		0.150	0.500	ug/l	J-	m	MS %R	87.4	90-110	%
L1674631	I-AR-20231107	SW7199	18540-29-9	Chromium VI	921		3.00	10.0	ug/l	J-	m	MS %R	87.4	90-110	%
L1674631	I-B-20231107	SW7199	18540-29-9	Chromium VI	133		0.300	1.00	ug/l	J-	m	MS %R	87.4	90-110	%
L1674631	I-L-20231107	SW7199	18540-29-9	Chromium VI	1210		3.00	10.0	ug/l	J-	m	MS %R	87.4	90-110	%
L1674631	I-R-20231107	SW7199	18540-29-9	Chromium VI	764		3.00	10.0	ug/l	J-	m	MS %R	87.4	90-110	%

Table V. Overall Qualified Results

SDG	Client Sample ID	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator	Qualification Finding	Acceptance Criteria	
L1674631	I-S-20231107	SW7199	18540-29-9	Chromium VI	1420		3.00	10.0	ug/l	J-	m	MS %R	87.4	90-110	%
L1674631	I-Y-20231107	SW7199	18540-29-9	Chromium VI	1140		7.50	25.0	ug/l	J-	m	MS %R	87.4	90-110	%
L1674634	I-C-20231107	SW7199	18540-29-9	Chromium VI	2490		7.50	25.0	ug/l	J-	m	MS %R	87.4	90-110	%
L1674634	I-F-20231107	SW7199	18540-29-9	Chromium VI	10600		30.0	100	ug/l	J-	m	MS %R	87.4	90-110	%
L1674634	I-X-20231107	SW7199	18540-29-9	Chromium VI	8950		30.0	100	ug/l	J-	m	MS %R	87.4	90-110	%
L1674634	I-N-20231107	SW7199	18540-29-9	Chromium VI	6550	J6	15.0	50.0	ug/l	J-	m	MS %R	87.4	90-110	%
L1674634	I-E-20231107	SW7199	18540-29-9	Chromium VI	5670		15.0	50.0	ug/l	J-	m	MS %R	87.4	90-110	%
L1674634	I-M-20231107	SW7199	18540-29-9	Chromium VI	4910		15.0	50.0	ug/l	J-	m	MS %R	87.4	90-110	%
L1674634	I-D-20231107	SW7199	18540-29-9	Chromium VI	4130		15.0	50.0	ug/l	J-	m	MS %R	87.4	90-110	%
L1677589	ART-1A-20231114	SW7199	18540-29-9	Chromium VI	0.271	J	0.150	0.500	ug/l	J	sp	<PQL			
5502044151	PC-120 - 20230706	E300	14797-55-8_N	Nitrate as N	0.031	J	0.014	0.050	mg/l	J	sp	<PQL			
5502044151	PC-133-20230706	E300	14797-55-8_N	Nitrate as N	0.38		0.014	0.050	mg/l	J	fd	FD RPD	41	30	%
5502044151	PC-133-20230706-FD	E300	14797-55-8_N	Nitrate as N	0.25		0.014	0.050	mg/l	J	fd	FD RPD	41	30	%
5502044151	PC-99R2/R3 - 20230706-EB	E300	14797-55-8_N	Nitrate as N	0.014	J	0.014	0.050	mg/l	J	sp	<PQL			
5502061001	E2-4-20230808-EB	E300	14797-55-8_N	Nitrate as N	0.014	J	0.014	0.050	mg/l	J	sp	<PQL			
5502062701	PC-116R-20230810-EB	E300	14797-55-8_N	Nitrate as N	0.040	J	0.014	0.050	mg/l	J	sp	<PQL			
5502062701	PC-121-20230810	E300	14797-55-8_N	Nitrate as N	0.028	J	0.014	0.050	mg/l	J	sp	<PQL			
5502089211	I-C-20231010	E300	14797-55-8_N	Nitrate as N	42	H	0.014	0.50	mg/l	J-	h	Holding time	89	48	hours
5502089211	I-N-20231010	E300	14797-55-8_N	Nitrate as N	57	H	0.014	0.50	mg/l	J-	h	Holding time	90	48	hours
5502089231	I-G-20231010	E300	14797-55-8_N	Nitrate as N	65	H	0.014	0.50	mg/l	J-	h	Holding time	82	48	hours
5502089231	I-H-20231010	E300	14797-55-8_N	Nitrate as N	68	H	0.014	0.50	mg/l	J-	h	Holding time	83	48	hours
5502089231	I-O-20231010	E300	14797-55-8_N	Nitrate as N	42	H	0.014	0.50	mg/l	J-	h	Holding time	87	48	hours
5502089231	I-P-20231010	E300	14797-55-8_N	Nitrate as N	46	H	0.014	0.50	mg/l	J-	h	Holding time	83	48	hours
5502089231	I-T-20231010	E300	14797-55-8_N	Nitrate as N	71	H	0.014	0.50	mg/l	J-	h	Holding time	82	48	hours
5502089231	I-U-20231010	E300	14797-55-8_N	Nitrate as N	72	H	0.014	0.50	mg/l	J-	h	Holding time	83	48	hours
5502089231	I-W-20231010	E300	14797-55-8_N	Nitrate as N	41	H	0.014	0.50	mg/l	J-	h	Holding time	84	48	hours
5502114331	E2-3-20231206-FD	E300	14797-55-8_N	Nitrate as N	47	H	0.014	1.0	mg/l	J-	h	Holding time	49	48	hours
5502114331	E2-4-20231206-EB	E300	14797-55-8_N	Nitrate as N		UH	0.014	0.050	mg/l	UJ	h	Holding time	49	48	hours
5502115141	I-AB-20231207	E300	14797-55-8_N	Nitrate as N	26	H	0.014	0.50	mg/l	J-	h	Holding time	52	48	hours
5502115141	I-AR-20231207	E300	14797-55-8_N	Nitrate as N	51	H	0.014	1.0	mg/l	J-	h	Holding time	57	48	hours
5502115141	I-B-20231207	E300	14797-55-8_N	Nitrate as N	36	H	0.014	1.0	mg/l	J-	h	Holding time	52	48	hours
5502115141	I-L-20231207	E300	14797-55-8_N	Nitrate as N	42	H	0.014	1.0	mg/l	J-	h	Holding time	57	48	hours
5502115141	I-R-20231207	E300	14797-55-8_N	Nitrate as N	64	H	0.014	1.0	mg/l	J-	h	Holding time	57	48	hours
5502115141	I-S-20231207	E300	14797-55-8_N	Nitrate as N	47	H	0.014	1.0	mg/l	J-	h	Holding time	57	48	hours
5502115141	I-Y-20231207	E300	14797-55-8_N	Nitrate as N	56	H	0.014	1.0	mg/l	J-	h	Holding time	57	48	hours
5502115161	I-C-20231207	E300	14797-55-8_N	Nitrate as N	43	H	0.014	2.5	mg/l	J-	h	Holding time	57	48	hours

Table V. Overall Qualified Results

SDG	Client Sample ID	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator	Qualification Finding	Acceptance Criteria	
5502115161	I-D-20231207	E300	14797-55-8_N	Nitrate as N	37	H	0.014	2.5	mg/l	J-	h	Holding time	62	48	hours
5502115161	I-E-20231207	E300	14797-55-8_N	Nitrate as N	27	H	0.014	2.5	mg/l	J-	h	Holding time	60	48	hours
5502115161	I-F-20231207	E300	14797-55-8_N	Nitrate as N	40	H	0.014	2.5	mg/l	J-	h	Holding time	57	48	hours
5502115161	I-M-20231207	E300	14797-55-8_N	Nitrate as N	32	H	0.014	2.5	mg/l	J-	h	Holding time	60	48	hours
5502115161	I-N-20231207	E300	14797-55-8_N	Nitrate as N	66	H	0.014	2.5	mg/l	J-	h	Holding time	59	48	hours
5502115161	I-X-20231207	E300	14797-55-8_N	Nitrate as N	57	H	0.014	2.5	mg/l	J-	h	Holding time	59	48	hours
5502044161	ART-9-20230706-EB	E300.1	14866-68-3	Chlorate	8.2	J	4.9	20	ug/l	J	sp	<PQL			
5502062701	PC-120-20230810	E300.1	14866-68-3	Chlorate	5.7	J	4.9	20	ug/l	J	sp	<PQL			
5502062701	PC-121-20230810	E300.1	14866-68-3	Chlorate	8.0	J	4.9	20	ug/l	J	sp	<PQL			
5502072851	I-O-20230905	E300.1	14866-68-3	Chlorate	1700000	F1	49000	200000	ug/l	J-	m	MS/MSD %R	5,6	78-125	%
5502072851	I-P-20230905	E300.1	14866-68-3	Chlorate	3200000		490000	2000000	ug/l	J	m,fd	MS/MSD %R, FD RPD	5,6; 46	78-125; 30	%
5502072851	I-P-20230905-FD	E300.1	14866-68-3	Chlorate	2000000		490000	2000000	ug/l	J	m,fd	MS/MSD %R, FD RPD	5,6; 46	78-125; 30	%
5502075741	I-D-20230911	E300.1	14866-68-3	Chlorate	140000	J	49000	200000	ug/l	J	sp	<PQL			
5502075741	I-E-20230911	E300.1	14866-68-3	Chlorate	150000	J	49000	200000	ug/l	J	sp	<PQL			
5502075741	I-F-20230911	E300.1	14866-68-3	Chlorate	260000	J	98000	400000	ug/l	J	sp	<PQL			
5502075741	I-M-20230911	E300.1	14866-68-3	Chlorate	160000	J	49000	200000	ug/l	J	sp	<PQL			
5502075741	I-N-20230911	E300.1	14866-68-3	Chlorate	180000	J	49000	200000	ug/l	J	sp	<PQL			
5502076501	I-B-20230912	E300.1	14866-68-3	Chlorate	5400	J	4900	20000	ug/l	J	sp	<PQL			
5502076501	I-L-20230912	E300.1	14866-68-3	Chlorate	39000	J	9800	40000	ug/l	J	sp	<PQL			
5502076501	I-Y-20230912	E300.1	14866-68-3	Chlorate	36000	J	9800	40000	ug/l	J	sp	<PQL			
5502076511	I-AC-20230912	E300.1	14866-68-3	Chlorate	59000	J	24000	100000	ug/l	J	sp	<PQL			
5502076511	I-AD-20230912	E300.1	14866-68-3	Chlorate	70000	J	24000	100000	ug/l	J	sp	<PQL			
5502076511	I-J-20230912	E300.1	14866-68-3	Chlorate	50000	J	24000	100000	ug/l	J	sp	<PQL			
5502076511	I-Z-20230912	E300.1	14866-68-3	Chlorate	90000	J	24000	100000	ug/l	J	sp	<PQL			
5502078151	PC-117-20230914	E300.1	14866-68-3	Chlorate	59000		980	4000	ug/l	J	fd	FD RPD	119	30	%
5502078151	PC-117-20230914-FD	E300.1	14866-68-3	Chlorate	15000		240	1000	ug/l	J	fd	FD RPD	119	30	%
5502078161	ART-2/2A-20230914	E300.1	14866-68-3	Chlorate	71		4.9	20	ug/l	J	fd	FD RPD	189	30	%
5502078161	ART-2/2A-20230914-FD	E300.1	14866-68-3	Chlorate	2400		240	1000	ug/l	J	fd	FD RPD	189	30	%
5502078161	ART-3A-20230914	E300.1	14866-68-3	Chlorate	19000	J	4900	20000	ug/l	J	sp	<PQL			
5502078161	ART-4-20230914	E300.1	14866-68-3	Chlorate	17000	J	4900	20000	ug/l	J	sp	<PQL			
5502078161	ART-8A-20230914	E300.1	14866-68-3	Chlorate	5200	J	4900	20000	ug/l	J	sp	<PQL			
5502078161	PC-150-20230914	E300.1	14866-68-3	Chlorate	7100	J	4900	20000	ug/l	J	sp	<PQL			
5502078171	I-AR-20230914	E300.1	14866-68-3	Chlorate	89000	J	24000	100000	ug/l	J	sp	<PQL			
5502089201	I-S-20231010-EB	E300.1	14866-68-3	Chlorate	11	J	4.9	20	ug/l	J	sp	<PQL			
5502091051	ART-7B-20231012-EB	E300.1	14866-68-3	Chlorate	6.2	J	4.9	20	ug/l	J	sp	<PQL			

Table V. Overall Qualified Results

SDG	Client Sample ID	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator	Qualification Finding	Acceptance Criteria	
5502091061	PC-120-20231012-EB	E300.1	14866-68-3	Chlorate	5.4	J	4.9	20	ug/l	J	sp	<PQL			
5502101571	PC-60-20231106	E300.1	14866-68-3	Chlorate	200	J	98	400	ug/l	J	sp	<PQL			
5502101581	PC-59-20231106	E300.1	14866-68-3	Chlorate	470	J	240	1000	ug/l	J	sp	<PQL			
5502101601	PC-155B-20231106	E300.1	14866-68-3	Chlorate	280	J	98	400	ug/l	J	sp	<PQL			
5502101771	PC-103-20231107	E300.1	14866-68-3	Chlorate	41	J	24	100	ug/l	J	ld,sp	MS/MSD RPD	36	25	%
5502101771	PC-86-20231107	E300.1	14866-68-3	Chlorate		UD	24	100	ug/l	UJ	ld	MS/MSD RPD	36	25	%
5502101771	PC-86-20231107-FD	E300.1	14866-68-3	Chlorate		UD	24	100	ug/l	UJ	ld	MS/MSD RPD	36	25	%
5502101771	PC-91-20231107	E300.1	14866-68-3	Chlorate		UDF2	24	100	ug/l	UJ	ld	MS/MSD RPD	36	25	%
5502101781	PC-155A-20231107	E300.1	14866-68-3	Chlorate	310	J	98	400	ug/l	J	sp	<PQL			
5502101781	PC-155A-20231107-FD	E300.1	14866-68-3	Chlorate	290	J	98	400	ug/l	J	sp	<PQL			
5502101781	PC-156A-20231107	E300.1	14866-68-3	Chlorate	57	J	24	100	ug/l	J	ld,sp	MS/MSD RPD, <PQL	36	25	%
5502101781	PC-156B-20231107	E300.1	14866-68-3	Chlorate		UD	24	100	ug/l	UJ	ld	MS/MSD RPD	36	25	%
5502101781	PC-97-20231107	E300.1	14866-68-3	Chlorate	310	J	240	1000	ug/l	J	sp	<PQL			
5502103571	PC-157A-20231108	E300.1	14866-68-3	Chlorate	34	J	24	100	ug/l	J	sp	<PQL			
5502103571	PC-157B-20231108	E300.1	14866-68-3	Chlorate	390	J	240	1000	ug/l	J	sp	<PQL			
5502103591	M-83-20231108	E300.1	14866-68-3	Chlorate	61000	H	9800	40000	ug/l	J-	h	Holding time	35	28	days
5502104021	E2-1-20231109-FD	E300.1	14866-68-3	Chlorate	13000	H	240	1000	ug/l	J-	h	Holding time	34	28	days
5502104031	M-38-20231109	E300.1	14866-68-3	Chlorate	2900000	H	98000	400000	ug/l	J-	h	Holding time	34	28	days
5502104421	M-162D-20231110	E300.1	14866-68-3	Chlorate	33	JD	24	100	ug/l	J	sp	<PQL			
5502104941	I-T-20231113	E300.1	14866-68-3	Chlorate	3500000		98000	400000	ug/l	J	fd	FD RPD	92	30	%
5502104941	I-T-20231113-FD	E300.1	14866-68-3	Chlorate	1300000		49000	200000	ug/l	J	fd	FD RPD	92	30	%
5502105541	PC-120-20231114	E300.1	14866-68-3	Chlorate	28	J	24	100	ug/l	J	sp	<PQL			
5502045401	LVW8.85-0.8-20230710	E314.0	14797-73-0	Perchlorate	0.50	J	0.31	1.0	ug/l	J	sp	<PQL			
5502048201	I-M-20230713-EB	E314.0	14797-73-0	Perchlorate	0.55	J	0.31	1.0	ug/l	J	sp	<PQL			
5502060081	M-12A-20230804-FB	E314.0	14797-73-0	Perchlorate	0.91	J	0.31	1.0	ug/l	J	sp	<PQL			
5502073911	LVW7.2-1.3-20230906-FD	E314.0	14797-73-0	Perchlorate	0.79	J	0.31	1.0	ug/l	J	sp	<PQL			
5502075751	E1-1-20230911-EB	E314.0	14797-73-0	Perchlorate	0.69	J	0.31	1.0	ug/l	J	sp	<PQL			
5502089232	I-G-20231010	E314.0	14797-73-0	Perchlorate	830000	H	6300	20000	ug/l	J-	h	Holding time	30	28	days
5502101742	I-X-20231107	E314.0	14797-73-0	Perchlorate	570000	H	6300	20000	ug/l	J-	h	Holding time	41	28	days
5502103581	M-69-20231108	E314.0	14797-73-0	Perchlorate	70000	H	630	2000	ug/l	J-	h	Holding time	58	28	days
5502104022	E2-1-20231109-FD	E314.0	14797-73-0	Perchlorate	58000	H	16000	50000	ug/l	J-	h	Holding time	39	28	days
5502060021	M-5A-20230804	E420.4	64743-03-9	Phenolics, Recoverable (total)	0.010	J	0.0068	0.020	mg/l	J	sp	<PQL			
5502060021	M-7B-20230804	E420.4	64743-03-9	Phenolics, Recoverable (total)	0.0071	J	0.0068	0.020	mg/l	J	sp	<PQL			
5502078151	PC-117-20230914	SM2540C	TDS	Dissolved Solids (total)	2800		40	40	mg/l	J	fd	FD RPD	165	30	%
5502078151	PC-117-20230914-FD	SM2540C	TDS	Dissolved Solids (total)	2700		40	40	mg/l	J	fd	FD RPD	165	30	%

Table V. Overall Qualified Results

SDG	Client Sample ID	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator	Qualification Finding	Acceptance Criteria	
5502086601	LVW0.55-1.7-20231003	SM2540C	TDS	Dissolved Solids (total)	2900		20	20	mg/l	J	fd	FD RPD	70	30	%
5502086601	LVW0.55-1.7-20231003-FD	SM2540C	TDS	Dissolved Solids (total)	1400		20	20	mg/l	J	fd	FD RPD	70	30	%
5502087821	E1-2-20231005	SM2540C	TDS	Dissolved Solids (total)	1800		40	40	mg/l	J	fd	FD RPD	86	30	%
5502087821	E1-2-20231005-FD	SM2540C	TDS	Dissolved Solids (total)	4500		100	100	mg/l	J	fd	FD RPD	86	30	%
5502104021	E2-1-20231109	SM2540C	TDS	Dissolved Solids (total)	2600		20	20	mg/l	J	fd	FD RPD	81	30	%
5502104021	E2-1-20231109-FD	SM2540C	TDS	Dissolved Solids (total)	1100		40	40	mg/l	J	fd	FD RPD	81	30	%
5502104021	E2-2-20231109-EB	SM2540C	TDS	Dissolved Solids (total)		UHD	20	20	mg/l	UJ	h	Holding time	13	7	days
5502104941	I-O-20231113	SM2540C	TDS	Dissolved Solids (total)	17000	HD	100	100	mg/l	J-	h	Holding time	14	7	days
5502104941	I-U-20231113	SM2540C	TDS	Dissolved Solids (total)	8700		100	100	mg/l	J+	be,ba	EB Contamination >PQL		8700	mg/l

ATTACHMENT A

Metals Data Validation Report

Metals by Environmental Protection Agency (EPA) Method 200.7

I. Sample Receipt and Technical Holding Times

All samples were received in good condition.

All technical holding time requirements were met.

II. Laboratory Blanks

Laboratory blanks were analyzed as required by the methods. No contaminants were found in the laboratory blanks with the following exceptions:

SDG	Blank ID	Analyte	Maximum Concentration (mg/L)	Associated Samples
550-206270-1	PB (prep blank)	Chromium	0.00134	PC-120-20230810 PC-121-20230810 PC-133-20230810 PC-115R-20230810-FD PC-116R-20230810-EB
550-210402-1	PB (prep blank)	Chromium	0.00607	E2-5-20231109 E2-1-20231109-FD E2-2-20231109-EB
550-210403-1	PB (prep blank)	Chromium	0.00607	M-72-20231109 M-66-20231109 M-135-20231109 M-57A-20231109 M-37-20231109 M-38-20231109 M-192-20231109 M-11-20231109 M-73-20231109 M-52-20231109 M-31A-20231109 M-35-20231109 M-22A-20231109 M-189-20231109 M-193-20231109 M-19-20231109 M-67-20231109

Data qualification by the laboratory blanks was based on the maximum contaminant concentration in the laboratory blanks in the analysis of each analyte. The sample concentrations were either not detected or were significantly greater than the concentrations found in the associated laboratory blanks with the following exceptions:

SDG	Sample	Analyte	Reported Concentration (mg/L)	Modified Final Concentration (mg/L)
550-206270-1	PC-116R-20230810-EB	Chromium	0.00089	0.00089J

III. Field Blanks

Samples PC-99R2/R3-20230706-EB (from SDG 550-204415-1), ART-9-20230706-EB (from SDG 550-204416-1), E2-1-20230710-EB (from SDG 550-204536-1), I-M-20230713-EB (from SDG 550-204820-1), M-12A-20230804-EB (from SDG 550-206008-1), E2-4-20230808-EB (from SDG 550-206100-1), I-O-20230808-EB (from SDG 550-206101-1), ART-1A-20230810-EB (from SDG 550-206269-1), PC-116R-20230810-EB (from SDG 550-206270-1), E1-3 20231005-EB (from SDG 550-208782-1), I-S-20231010-EB (from SDG 550-208920-1), ART-7B-20231012-EB (from SDG 550-209105-1), PC-120-20231012-EB (from SDG 550-209106-1), I-Q-20230905-EB (from SDG 550-207285-1), E1-1-20230911-EB (from SDG 550-207575-1), PC-118-20230914-EB (from SDG 550-207815-1), ART-3A-20230914-EB (from SDG 550-207816-1), E1-3 20231005-EB (from SDG 550-208782-1), I-S-20231010-EB (from SDG 550-208920-1), ART-7B-20231012-EB (from SDG 550-209105-1), PC-120-20231012-EB (from SDG 550-209106-1), PC-60-20231106-EB (from SDG 550-210157-1), PC-156A-20231107-EB (from SDG 550-210178-1), PC-94-20231107-EB (from SDG 550-210179-1), M-44-20231108-EB (from SDG 550-210358-1), PC-55-20231108-EB (from SDG 550-210361-1), E2-2-20231109-EB (from SDG 550-210402-1), I-U-20231113-EB (from SDG 550-210494-1), ART-9-20231114-EB (from SDG 550-210553-1), PC-133-20231114-EB (from SDG 550-210554-1), E2-4-20231206-EB (from SDG 550-211433-1), I-W-20231212-EB (from SDG 550-211674-1), PC-115R-20231214-EB (from SDG 550-211806-1), and ART-1A-20231214-EB (from SDG 550-211807-1) were identified as equipment blanks. No contaminants were found with the following exceptions:

SDG	Blank ID	Collection Date	Analyte	Concentration (mg/L)	Associated Samples
550-204416-1	ART-9-20230706-EB	07/06/23	Chromium	0.05	ART-9-20230706
550-204820-1	I-M-20230713-EB	07/13/23	Chromium	0.018	I-M-20230713
550-206008-1	M-12A-20230804-EB	08/04/23	Chromium	0.00098	M-12A-20230804
550-206101-1	I-O-20230808-EB	08/08/23	Chromium	0.013	I-O-20230808
550-206270-1	PC-116R-20230810-EB	08/10/23	Chromium	0.00089	PC-116R-20230810
550-210494-1	I-U-20231113-EB	11/13/23	Chromium	0.029	I-U-20231113
550-211674-1	I-W-20231212-EB	12/12/23	Chromium	0.018	I-W-20231212

Samples M-12A-20230804-FB (from SDG 550-206008-1), PC-56-20231107-FB (from SDG 550-210179-1), PC-149-20231108-FB (from SDG 550-210356-1), PC-157B-20231108-FB (from SDG 550-210357-1), PC-98R-20231108-FB (from SDG 550-210357-1), and M-44-20231108-FB (from SDG 550-210358-1) were identified as a field blank. No contaminants were found with the following exceptions:

SDG	Blank ID	Collection Date	Analyte	Concentration (mg/L)	Associated Samples
550-206008-1	M-12A-20230804-FB	08/04/23	Chromium	0.025	M-12A-20230804
550-210356-1	PC-149-20231108-FB	11/08/23	Chromium	0.0018	PC-149-20231108

Sample concentrations were compared to concentrations detected in the field blanks. The sample concentrations were either not detected or were significantly greater than the concentrations found in the associated field blanks with the following exceptions:

SDG	Sample	Analyte	Reported Concentration (mg/L)	Modified Final Concentration (mg/L)
550-206270-1	PC-116R-20230810	Chromium	0.0043	0.0043J

IV. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) sample analysis was performed on an associated project sample.

For M-70-20231108MS/MSD (from SDG 550-210358-1), no data were qualified for chromium percent recoveries (%R) outside the QC limits since the parent sample results were greater than 4X the spike concentration.

For PC-91-20231107MS/MSD (from SDG 550-210177-1), MS percent recovery (%R) and MS/MSD relative percent difference (RPD) were not evaluated due to the internal standard failing in the MS and the laboratory did not reanalyze the MS. No data was qualified since the MSD percent recovery (%R) was within the QC limits.

Relative percent differences (RPD) were within QC limits.

V. Laboratory Duplicate Sample

The laboratory has indicated that there were no duplicate (DUP) analyses specified for the samples in these SDGs, and therefore duplicate analyses were not performed for these SDGs.

VI. Serial Dilution

Serial dilution was not performed for these SDGs.

VII. Laboratory Control Samples

Laboratory control samples (LCS) and laboratory control samples duplicates (LCSD) were analyzed as required by the method. Percent recoveries (%R) were within QC limits with the following exceptions:

SDG	LCS ID (Associated Samples)	Analyte	LCS %R (85-115)	LCSD %R (85-115)	Flag	A or P
550-210288-1	550-310968/2/3-A (All samples in SDG 550-210288-1)	Iron	-	84	J- (all detects)	P

Relative percent differences (RPD) were within QC limits.

VIII. Field Duplicates

Samples PC-133-20230706 and PC-133-20230706-FD (both from SDG 550-204415-1), samples ART-8A-20230706 and ART-8A-20230706-FD (both from SDG 550-204416-1), samples E1-3-20230710 and E1-3-20230710-FD (both from SDG 550-204536-1), samples I-L-20230711 and I-L-20230711-FD (both from SDG 550-204613-1), samples I-N-20230801 and I-N-20230801-FD (both from SDG 550-205754-1), samples M-12A-20230804 and M-12A-20230804-FD (both from SDG 550-206008-1), samples E2-3-20230808 and E2-3-20230808-FD (both from SDG 550-206100-1), samples PC-150-20230810 and PC-150-20230810-FD (both from SDG 550-206269-1), samples PC-115R-20230810 and PC-115R-20230810-FD (both from SDG 550-206270-1), samples E1-2 20231005 and E1-2 20231005-FD (both from SDG 550-208782-1), samples I-R-20231010 and I-R-20231010-FD (both from SDG 550-208920-1), samples ART-4-20231012 and ART-4-20231012-FD (both from SDG 550-209105-1), samples PC-119-20231012 and PC-119-20231012-FD (both from SDG 550-209106-1), samples I-P-20230905 and I-P-20230905-FD (both from SDG 550-207285-1), samples E2-5-20230911 and E2-5-20230911-FD (both from SDG 550-207575-1), samples PC-117-20230914 and PC-117-20230914-FD (both from SDG 550-207815-1), samples ART-2/2A-20230914 and ART-2/2A-20230914-FD (both from SDG 550-207816-1), samples E1-2 20231005 and E1-2 20231005-FD (both from SDG 550-208782-1), samples I-R-20231010 and I-R-20231010-FD (both from SDG 550-208920-1), samples ART-4-20231012 and ART-4-20231012-FD (both from SDG 550-209105-1), samples PC-119-20231012 and PC-119-20231012-FD (both from SDG 550-209106-1), samples PC-86-20231107 and PC-86-20231107-FD (both from SDG 550-21177-1), samples ARP-3A-20231107 and ARP-3A-20231107-FD (both from SDG 550-21177-1), samples PC-155A-20231107 and PC-155A-20231107-FD (both from SDG 550-210178-1), samples PC-101R-20231107 and PC-101R-20231107-FD (both from SDG 550-210179-1), samples MW-K5-20231107 and MW-K5-20231107-FD (both from SDG 550-210179-1), samples M-44-20231108 and M-44-20231108-FD (from SDG 550-210358-1), samples E2-1-20231109 and E2-1-20231109-FD (both from SDG 550-210402-1), samples I-T-20231113 and I-T-20231113-FD (both from SDG 550-210494-1), samples PC-150-20231114 and ART-8A-20231114-FD (from SDG 580-210553-1), samples PC-121-20231114 and PC-121-20231114-FD (both from SDG 550-210554-1), samples E2-3-20231206 and E2-3-20231206-FD (both from SDG 550-211433-1), samples PC-99R2/R3-20231214 and PC-99R2/R3-20231214-FD (both from SDG 550-211806-14), samples PC-150-20231214 and PC-150-20231214-FD (both from SDG 550-211807-1), and samples I-V-20231214 and I-V-20231214-FD (both from SDG 550-211808-1) were identified as field duplicates. No results were detected in any of the samples with the following exceptions:

SDG	Analyte	Concentration (mg/L)		RPD (≤ 30)	Flag	A or P
		ART-8A-20230706	ART-8A-20230706-FD			
550-204416-1	Chromium	0.048	0.048	0	-	-

SDG	Analyte	Concentration (mg/L)		RPD (≤ 30)	Flag	A or P
		E1-3-20230710	E1-3-20230710-FD			
550-204536-1	Chromium	0.71	0.72	1	-	-

SDG	Analyte	Concentration (mg/L)		RPD (≤ 30)	Flag	A or P
		I-L-20230711	I-L-20230711-FD			
550-204613-1	Chromium	1.4	1.4	0	-	-

SDG	Analyte	Concentration (mg/L)		RPD (≤ 30)	Flag	A or P
		I-N-20230801	I-N-20230801-FD			
550-205754-1	Chromium	7.0	6.9	1	-	-

SDG	Analyte	Concentration (mg/L)		RPD (≤ 30)	Flag	A or P
		M-12A-20230804	M-12A-20230804-FD			
550-206008-1	Chromium	7.1	7.1	0	-	-

SDG	Analyte	Concentration (mg/L)		RPD (≤ 30)	Flag	A or P
		E2-3-20230808	E2-3-20230808-FD			
550-206100-1	Chromium	0.12	0.12	0	-	-

SDG	Analyte	Concentration (mg/L)		RPD (≤ 30)	Flag	A or P
		PC-150-20230810	PC-150-20230810-FD			
550-206269-1	Chromium	0.051	0.050	2	-	-

SDG	Analyte	Concentration (mg/L)		RPD (≤ 30)	Flag	A or P
		E1-2 20231005	E1-2 20231005-FD			
550-208782-1	Chromium	0.59	0.59	0	-	-

SDG	Analyte	Concentration (mg/L)		RPD (≤ 30)	Flag	A or P
		I-R-20231010	I-R-20231010-FD			
550-208920-1	Chromium	0.85	0.83	2	-	-

SDG	Analyte	Concentration (mg/L)		RPD (≤ 30)	Flag	A or P
		ART-4-20231012	ART-4-20231012-FD			
550-209105-1	Chromium	0.16	0.16	0	-	-

SDG	Analyte	Concentration (mg/L)		RPD (≤ 30)	Flag	A or P
		I-P-20230905	I-P-20230905-FD			

SDG	Analyte	Concentration (mg/L)		RPD (≤ 30)	Flag	A or P
		I-P-20230905	I-P-20230905-FD			
550-207285-1	Chromium	10	9.8	2	-	-

SDG	Analyte	Concentration (mg/L)		RPD (≤ 30)	Flag	A or P
		E2-5-20230911	E2-5-20230911-FD			
550-207575-1	Chromium	0.24	0.24	0	-	-

SDG	Analyte	Concentration (mg/L)		RPD (≤ 30)	Flag	A or P
		PC-117-20230914	PC-117-20230914-FD			
550-207815-1	Chromium	0.0036	0.0036	0	-	-

SDG	Analyte	Concentration (mg/L)		RPD (≤ 30)	Flag	A or P
		ART-2/2A-20230914	ART-2/2A-20230914-FD			
550-207816-1	Chromium	0.00085U	0.010	169	NQ	-

SDG	Analyte	Concentration (mg/L)		RPD (≤ 30)	Flag	A or P
		E1-2 20231005	E1-2 20231005-FD			
550-208782-1	Chromium	0.59	0.59	0	-	-

SDG	Analyte	Concentration (mg/L)		RPD (≤ 30)	Flag	A or P
		I-R-20231010	I-R-20231010-FD			
550-208920-1	Chromium	0.85	0.83	2	-	-

SDG	Analyte	Concentration (mg/L)		RPD (≤ 30)	Flag	A or P
		ART-4-20231012	ART-4-20231012-FD			
550-209105-1	Chromium	0.16	0.16	0	-	-

SDG	Analyte	Concentration (mg/L)		RPD (≤ 30)	Flag	A or P
		ARP-3A-20231107	ARP-3A-20231107-FD			
550-210177-1	Chromium	0.014	0.014	0	-	-

SDG	Analyte	Concentration (mg/L)		RPD (≤ 30)	Flag	A or P
		PC-101R-20231107	PC-101R-20231107-FD			
550-210179-1	Chromium	0.00094	0.00085U	Not calculable	-	-

SDG	Analyte	Concentration (mg/L)		RPD (≤ 30)	Flag	A or P
		MW-K5-20231107	MW-K5-20231107-FD			
550-210179-1	Chromium	0.0023	0.0025	8	-	-

SDG	Analyte	Concentration (mg/L)		RPD (≤ 30)	Flag	A or P
		M-44-20231108	M-44-20231108-FD			
550-210358-1	Chromium	0.56	0.56	0	-	-

SDG	Analyte	Concentration (mg/L)		RPD (≤ 30)	Flag	A or P
		E2-1-20231109	E2-1-20231109-FD			
550-210402-1	Chromium	0.020	0.026	26	-	-

SDG	Analyte	Concentration (mg/L)		RPD (≤ 30)	Flag	A or P
		I-T-20231113	I-T-20231113-FD			
550-210494-1	Chromium	16	17	6	-	-

SDG	Analyte	Concentration (mg/L)		RPD (≤ 30)	Flag	A or P
		PC-150-20231114	ART-8A-20231114-FD			
550-210553-1	Chromium	0.031	0.029	7	-	-

SDG	Analyte	Concentration (mg/L)		RPD (≤ 30)	Flag	A or P
		E2-3-20231206	E2-3-20231206-FD			
550-211433-1	Chromium	0.11	0.1	10	-	-

SDG	Analyte	Concentration (mg/L)		RPD (≤ 30)	Flag	A or P
		PC-150-20231214	PC-150-20231214-FD			
550-211807-1	Chromium	0.07	0.072	3	-	-

SDG	Analyte	Concentration (mg/L)		RPD (≤ 30)	Flag	A or P
		I-V-20231214	I-V-20231214-FD			
550-211808-1	Chromium	7.3	7.3	3	-	-

NQ = No data were qualified when either the primary or duplicate result was not detected or was below the practical quantitation limit (PQL).

IX. Target Analyte Quantitation

Raw data were not reviewed for Stage 2A validation.

X. Overall Assessment of Data

The analysis was conducted within all specifications of the method. No results were rejected in this SDG.

Data qualified due to method and equipment blank contamination and LCS/LCSD %R are summarized and presented in the Data Qualification Summary.

NERT GWM Performance Sampling, July-December 2023

Chromium - Data Qualification Summary - SDGs 550-204415-1, 550-204416-1, 550-204536-1, 550-204613-1, 550-204819-1, 550-204820-1, 550-204821-1, 550-205753-1, 550-205754-1, 550-205942-1, 550-206001-01, 550-206002-1, 550-206006-1, 550-206008-1, 550-206100-1, 550-206101-1, 550-206180-1, 550-206269-1, 550-206270-1, 550-206007-1, 550-207285-1, 550-207574-1, 550-207575-1, 550-207650-1, 550-207651-1, 550-207815-1, 550-207816-1, 550-207817-1, 550-208782-1, 550-208920-1, 550-208921-1, 550-208923-1, 550-209104-1, 550-209105-1, 550-209106-1, 550-210157-1, 550-210158-1, 550-210160-1, 550-210174-1, 550-210175-1, 550-210177-1, 550-210178-1, 550-210179-1, 550-210288-1, 550-210356-1, 550-210357-1, 550-210358-1, 550-210359-1, 550-210361-1, 550-210402-1, 550-210403-1, 550-210442-1, 550-210493-1, 550-210494-1, 550-210553-1, 550-210554-1, 550-211433-1, 550-211514-1, 550-211516-1, 550-211674-1, 550-211806-1, 550-211807-1, 550-211808-1

SDG	Sample	Analyte	Flag	A or P	Reason (Code)
550-210288-1	M-10-20231108	Iron	J- (all detects)	P	Laboratory control samples (%R) (I)

NERT GWM Performance Sampling, July-December 2023

Chromium - Laboratory Blank Data Qualification Summary - SDGs 550-204415-1, 550-204416-1, 550-204536-1, 550-204613-1, 550-204819-1, 550-204820-1, 550-204821-1, 550-205753-1, 550-205754-1, 550-205942-1, 550-206001-01, 550-206002-1, 550-206006-1, 550-206008-1, 550-206100-1, 550-206101-1, 550-206180-1, 550-206269-1, 550-206270-1, 550-206007-1, 550-207285-1, 550-207574-1, 550-207575-1, 550-207650-1, 550-207651-1, 550-207815-1, 550-207816-1, 550-207817-1, 550-208782-1, 550-208920-1, 550-208921-1, 550-208923-1, 550-209104-1, 550-209105-1, 550-209106-1, 550-210157-1, 550-210158-1, 550-210160-1, 550-210174-1, 550-210175-1, 550-210177-1, 550-210178-1, 550-210179-1, 550-210288-1, 550-210356-1, 550-210357-1, 550-210358-1, 550-210359-1, 550-210361-1, 550-210402-1, 550-210403-1, 550-210442-1, 550-210493-1, 550-210494-1, 550-210553-1, 550-210554-1, 550-211433-1, 550-211514-1, 550-211516-1, 550-211674-1, 550-211806-1, 550-211807-1, 550-211808-1

SDG	Sample	Analyte	Modified Final Concentration (mg/L)	A or P	Code
550-206270-1	PC-116R-20230810-EB	Chromium	0.00089J	A	bl,bb

NERT GWM Performance Sampling, July-December 2023

Chromium - Field Blank Data Qualification Summary - SDGs 550-204415-1, 550-204416-1, 550-204536-1, 550-204613-1, 550-204819-1, 550-204820-1, 550-204821-1, 550-205753-1, 550-205754-1, 550-205942-1, 550-206001-01, 550-206002-1, 550-206006-1, 550-206008-1, 550-206100-1, 550-206101-1, 550-206180-1, 550-206269-1, 550-206270-1, 550-206007-1, 550-207285-1, 550-207574-1, 550-207575-1, 550-207650-1, 550-207651-1, 550-207815-1, 550-207816-1, 550-207817-1, 550-208782-1, 550-208920-1, 550-208921-1, 550-208923-1, 550-209104-1, 550-209105-1, 550-209106-1, 550-210157-1, 550-210158-1, 550-210160-1, 550-210174-1, 550-210175-1, 550-210177-1, 550-210178-1, 550-210179-1, 550-210288-1, 550-210356-1, 550-210357-1, 550-210358-1, 550-210359-1, 550-210361-1, 550-210402-1, 550-210403-1, 550-210442-1, 550-210493-1, 550-210494-1, 550-210553-1, 550-210554-1, 550-211433-1, 550-211514-1, 550-211516-1, 550-211674-1, 550-211806-1, 550-211807-1, 550-211808-1

	Sample	Analyte	Modified Final Concentration (mg/L)	A or P	Code
550-206270-1	PC-116R-20230810	Chromium	0.0043J	A	be,bb

ATTACHMENT B

Wet Chemistry Data Validation Report

Ammonia as Nitrogen by Environmental Protection Agency (EPA) Method 350.1
Chlorate by EPA Method 300.1B
Chloride, Sulfate, Nitrate as Nitrogen, and Nitrite as Nitrogen by EPA Method 300.0
Conductivity by Standard Method 2540B
Field pH
Hexavalent Chromium by EPA SW 846 Method 7199
Perchlorate by EPA Method 314.0
Total Dissolved Solids by Standard Method 2540C
Total Inorganic Nitrogen by Calculation
Total Organic Carbon by Standard Method 5310B
Toxic Organic Halides by EPA SW 846 Method 9020B
Total Recoverable Phenols by EPA Method 420.4

I. Sample Receipt and Technical Holding Times

All samples were received in good condition.

All technical holding time requirements were met with the following exceptions:

SDG	Sample	Analyte	Total Time From Sample Collection Until Analysis	Required Holding Time From Sample Collection Until Analysis	Flag	A or P
550-208921-1	I-C-20231010	Nitrate as N	89 hours	48 hours	J- (all detects)	P
550-208921-1	I-N-20231010	Nitrate as N	90 hours	48 hours	J- (all detects)	P
550-208923-1	I-G-20231010 I-T-20231010	Nitrate as N	82 hours	48 hours	J- (all detects)	P
550-208923-1	I-U-20231010 I-H-20231010 I-P-20231010	Nitrate as N	83 hours	48 hours	J- (all detects)	P
550-208923-1	I-W-20231010	Nitrate as N	84 hours	48 hours	J- (all detects)	P
550-208923-1	I-O-20231010	Nitrate as N	87 hours	48 hours	J- (all detects)	P
550-208923-2	I-G-20231010	Perchlorate	30 days	28 days	J- (all detects)	P
550-210174-2	I-X-20231107(RE1) I-X-20231107(RE2)	Perchlorate	41 days	28 days	J- (all detects)	A
550-210358-1	M-69-20231108 M-69-20231108RE	Perchlorate	58 days	28 days	J- (all detects)	A
550-210359-1	M-83-20231108	Chlorate	35 days	28 days	J- (all detects)	A
550-210402-1	E2-1-20231109-FD	Chlorate	34 days	28 days	J- (all detects)	P

SDG	Sample	Analyte	Total Time From Sample Collection Until Analysis	Required Holding Time From Sample Collection Until Analysis	Flag	A or P
550-210402-1	E2-2-20231109-EB	Total dissolved solids	13 days	7 days	UJ (all non-detects)	P
550-210402-2	E2-1-20231109-FD(RE1) E2-1-20231109-FD(RE2)	Perchlorate	39 days	28 days	J- (all detects)	A
550-210403-1	M-38-20231109	Chlorate	34 days	28 days	J- (all detects)	P
550-210494-1	I-O-20231113	Total dissolved solids	14 days	7 days	J- (all detects)	P
550-211433-1	E2-3-20231206-FD E2-4-20231206-EB	Nitrate as N	49 hours	48 hours	J- (all detects) UJ (all non-detects)	P
550-211514-1	I-AB-20231207 I-B-20231207	Nitrate as N	52 hours	48 hours	J- (all detects)	P
550-211514-1	I-R-20231207 I-Y-20231207 I-L-20231207 I-S-20231207 I-AR-20231207	Nitrate as N	57 hours	48 hours	J- (all detects)	P
550-211516-1	I-C-20231207 I-F-20231207	Nitrate as N	57 hours	48 hours	J- (all detects)	P
550-211516-1	I-X-20231207 I-N-20231207	Nitrate as N	59 hours	48 hours	J- (all detects)	P
550-211516-1	I-E-20231207 I-M-20231207	Nitrate as N	60 hours	48 hours	J- (all detects)	P
550-211516-1	I-D-20231207	Nitrate as N	62 hours	28 days	J- (all detects)	P

II. Laboratory Blanks

Laboratory blanks were analyzed as required by the methods. No contaminants were found in the laboratory blanks.

III. Field Blanks

Samples PC-99R2/R3-20230706-EB (from SDG 550-204415-1), ART-9-20230706-EB (from SDG 550-204416-1), E2-1-20230710-EB (from SDG 550-204536-1), LVW7.2-20230710-EB (from SDG 550-204540-1), I-M-20230713-EB (from SDG 550-204820-1), ART-9-20230706-EB (from SDG L1632699), PC-99R2/R3-20230706-EB (from SDG L1632700), E2-1-20230710-EB (from SDG L1633648), I-M-20230713-EB (from SDG L1635085), M-12A-20230804-EB (from SDG 550-206008-1), E2-4-20230808-EB (from SDG 550-206100-1), I-O-20230808-EB (from SDG 550-206101-1), ART-1A-20230810-EB (from SDG 550-206269-1), PC-116R-20230810-EB (from SDG 550-206270-1), M-12A-20230804-EB (from SDG L1642662), PC-116R-20230810-EB (from SDG L1644551), ART-1A-20230810-EB (from SDG L1644556), E2-4-20230817-EB (from SDG L1647125), I-O-20230817-EB (from SDG L1647129), I-Q-20230905-EB (from SDG 550-207285-1), E1-1-20230911-EB (from SDG 550-207575-1), PC-118-20230914-EB (from SDG 550-207815-1), ART-3A-20230914-EB (from SDG 550-207816-1), I-Q-20230905-EB (from SDG L1652651), E1-1-20230911-EB (from SDG L1654489), PC-118-20230914-EB (from SDG L1655729), ART-3A-20230914-EB (from SDG L1655740), E1-3-20231005-EB (from SDG 550-208782-1), I-S-20231010-EB (from SDG 550-208920-1), ART-7B-20231012-EB (from SDG 550-209105-1), PC-120-20231012-EB (from SDG 550-209106-1), E1-3-20231005-EB (from SDG L1663117), I-S-20231010-EB (from SDG L1664507), PC-120-20231012-EB (from SDG L1665639), and ART-7B-20231012-EB (from SDG L1665647), PC-60-20231106-EB (from SDG 550-210157-1), PC-156A-20231107-EB (from SDG 550-210178-1), PC-94-20231107-EB (from SDG 550-210179-1), M-44-20231108-EB (from SDG 550-210358-1), PC-55-20231108-EB (from SDG 550-210361-1), E2-2-20231109-EB (from SDG 550-210402-1), I-U-20231113-EB (from SDG 550-210494-1), ART-9-20231114-EB (from SDG 550-210553-1), PC-133-20231114-EB (from SDG 550-210554-1), M-44-20231108-EB (from SDG L1675272), E2-2-20231109-EB (from SDG L1675737), I-U-20231113-EB (from SDG L1677332), ART-9-20231114-EB (from SDG L1677589), sample PC-133-20231114-EB (from SDG L1677594), E2-4-20231206-EB (from SDG 550-211433-1), I-W-20231212-EB (from SDG 550-211674-1), PC-115R-20231214-EB (from SDG 550-211806-1), ART-1A-20231214-EB (from SDG 550-211807-1), E2-4-20231206-EB (from SDG L1684897), PC-115R-20231214-EB (from SDG L1688045), and ART-1A-20231214-EB (from SDG L1688054) were identified as equipment blanks. No contaminants were found with the following exceptions:

SDG	Blank ID	Collection Date	Analyte	Concentration (mg/L)	Associated Samples
550-204415-1	PC-99R2/R3-20230706-EB	07/06/23	Nitrate as N	0.014	PC-99R2/R3-20230706
550-204820-1	I-M-20230713-EB	07/13/23	Total dissolved solids	62	I-M-20230713
550-206100-1	E2-4-20230808-EB	08/08/23	Nitrate as nitrogen	0.014	E2-4-20230808
550-206270-1	PC-116R-20230810-EB	08/10/23	Nitrate as nitrogen	0.04	PC-116R-20230810
550-210402-1	E2-2-20231109-EB	11/09/23	Nitrate as N	0.14	E2-2-20231109

SDG	Blank ID	Collection Date	Analyte	Concentration (mg/L)	Associated Samples
550-210494-1	I-U-20231113-EB	11/13/23	Total dissolved solids	1400	I-U-20231113
550-210553-1	ART-9-20231114-EB	11/14/23	Perchlorate	1.6	ART-9-20231114
550-211674-1	I-W-20231212-EB	12/12/23	Total dissolved solids	88	I-W-20231212
550-211806-1	PC-115R-20231214-EB	12/14/23	Total dissolved solids	86	PC-115R-20231214
550-211807-1	ART-1A-20231214-EB	12/14/23	Total dissolved solids	74	ART-1A-20231214

SDG	Blank ID	Collection Date	Analyte	Concentration (ug/L)	Associated Samples
550-204416-1	ART-9-20230706-EB	07/06/23	Chlorate Perchlorate	8.2 8.8	ART-9-20230706
550-204536-1	E2-1-20230710-EB	07/10/23	Perchlorate	31	E2-1-20230710
550-204820-1	I-M-20230713-EB	07/13/23	Perchlorate	0.55	I-M-20230713
550-206008-1	M-12A-20230804-EB	08/04/23	Perchlorate	4.1	M-12A-20230804 M-12A-20230804-FD
550-206100-1	E2-4-20230808-EB	08/08/23	Perchlorate	6.1	E2-4-20230808
550-206101-1	I-O-20230808-EB	08/08/23	Perchlorate	4.6	I-O-20230808
550-206269-1	ART-1A-20230810-EB	08/10/23	Perchlorate	1.4	ART-1A-20230810
550-207285-1	I-Q-20230905-EB	09/05/23	Perchlorate	15	I-Q-20230905
550-207575-1	E1-1-20230911-EB	09/11/23	Perchlorate	0.69	E1-1-20230911
550-208782-1	E1-3-20231005-EB	10/05/23	Perchlorate	4.7	E1-3-20231005
550-208920-1	I-S-20231010-EB	10/10/23	Chlorate	11	I-S-20231010
550-209105-1	ART-7B-20231012-EB	10/12/23	Chlorate Perchlorate	6.2 3.2	ART-7B-20231012
550-209106-1	PC-120-20231012-EB	10/12/23	Chlorate Perchlorate	5.4 1.3	PC-120-20231012

Samples LVW6.05-20230710-FB and LVW0.55-20230710-FB (both from SDG 550-204540-1), LVW0.55-20230801-FB and LVW6.05-20230802-FB (both from SDG 550-205871-1), M-12A-20230804-FB (from SDG 550-206008-1), M-12A-20230804-FB (from SDG L1642662), LVW0.55-20230905-FB and LVW6.05-20230906-FB (both from SDG 550-207391-1), LVW0.55-20231003-FB and LVW6.05-20231004-FB (both from SDG 550-208660-1), LVW0.55-20231101-FB (from SDG 550-210002-1), LVW6.05-20231101-FB (from SDG 550-210002-1), PC-56-20231107-FB (from SDG 550-210179-1), PC-149-20231108-FB (from SDG 550-210356-1), PC-157B-20231108-FB (from SDG 550-210357-1), PC-98R-20231108-FB (from SDG 550-210357-1), M-44-20231108-FB (from SDG 550-210358-1), M-44-20231108-FB (from SDG L1675272), LVW0.55-20231206-FB (from SDG 550-211525-1), and LVW6.05-20231206-FB (from SDG 550-211525-1) were identified as field blanks. No contaminants were found with the following exceptions:

SDG	Blank ID	Collection Date	Analyte	Concentration (mg/L)	Associated Samples
550-204540-1	LVW6.05-20230710-FB	07/10/23	Total dissolved solids	24	LVW6.05-0.5-20230710 LVW6.05-0.5-20230710-FD

SDG	Blank ID	Collection Date	Analyte	Concentration (ug/L)	Associated Samples
550-206008-1	M-12A-20230804-FB	08/04/23	Perchlorate	0.91	M-12A-20230804

Sample concentrations were compared to concentrations detected in the field blanks. The sample concentrations were either not detected or were significantly greater than the concentrations found in the associated field blanks with the following exceptions:

SDG	Sample	Analyte	Reported Concentration (mg/L)	Modified Final Concentration (mg/L)
550-210494-1	I-U-20231113	Total dissolved solids	8700	8700J+

IV. Surrogates

Surrogates were added to all samples as required by Method 300.1B. Surrogate recoveries (%R) were within QC limits with the following exceptions:

Sample	Surrogate	%R (90-115)	Affected Analyte	Flag	A or P
E1-1-20230911-EB	Dichloroacetic acid	277	Chlorate	NA	-

V. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) sample analysis was performed on an associated project sample. Percent recoveries (%R) were within QC limits with the following exceptions:

SDG	Spike ID (Associated Samples)	Analyte	MS (%R) (Limits)	MSD (%R) (Limits)	Flag	A or P
L1632700	PC-99R2/R3-20230706-EBMS/MSD (PC-99R2/R3-20230706-EB)	Hexavalent chromium	-	85.6 (90-110)	UJ (all non-detects)	A
L1641037	I-X-20230801MS/MSD (All samples in SDG 1641037)	Hexavalent chromium	88.6 (90-110)	-	J- (all detects)	A
L1647125	E2-4-20230817MS/MSD (E1-1-20230817 E1-2-20230817 E1-3-20230817 E2-1-20230817 E2-2-20230817 E2-3-20230817 E2-4-20230817 E2-5-20230817 E2-3-20230817-FD)	Hexavalent chromium	86.6 (90-110)	86.2 (90-110)	J- (all detects)	A
550-207285-1	I-O-20230905MS/MSD (I-P-20230905 I-O-20230905 I-P-20230905-FD)	Chlorate	5 (75-125)	6 (75-125)	J- (all detects)	A
L1654489	E2-1-20230911MS/MSD (E1-1-20230911 E1-2-20230911 E1-3-20230911 E2-1-20230911 E2-2-20230911 E2-3-20230911 E2-4-20230911 E2-5-20230911 E2-5-20230911-FD)	Hexavalent chromium	114 (90-110)	-	J+ (all detects)	A
L1655729	PC-115R-20230914MS/MSD (PC-99R2/R3-20230914 PC-115R-20230914 PC-116R-20230914 PC-117-20230914 PC-118-20230914 PC-119-20230914 PC-120-20230914 PC-121-20230914 PC-133-20230914 PC-117-20230914-FD)	Hexavalent chromium	85.7 (90-110)	-	J- (all detects) UJ (all non-detects)	A

SDG	Spike ID (Associated Samples)	Analyte	%R (90-110)	Flag	A or P
L1674631	I-N-20231107MS (All samples in SDG L1674631)	Hexavalent chromium	87.4	J- (all detects)	A

SDG	Spike ID (Associated Samples)	Analyte	%R (90-110)	Flag	A or P
L1674634	I-N-20231107MS (All samples in SDG L1674634)	Hexavalent chromium	87.4	J- (all detects)	A

For I-AA-20230801MS/MSD (from SDG 550-205753-1) and M-6A-20230804MS/MSD (from SDG 550-206002-1), no data were qualified for chlorate percent recoveries (%R) outside the QC limits since the parent sample results were greater than 4X the spike concentration.

For M-37-20231109MS (from SDG L1675899), no data were qualified for hexavalent chromium percent recoveries (%R) outside the QC limits since the parent sample results were greater than 4X the spike concentration.

For I-Q-20231212MS/MSD, I-U-20231212MS/MSD, and I-P-20231212MS/MSD (all from SDG 550-211674-1), no data were qualified for nitrate as N percent recoveries (%R) outside the QC limits since the parent sample results were greater than 4X the spike concentration.

Relative percent differences (RPD) were within QC limits with the following exceptions:

SDG	Spike ID (Associated Samples)	Analyte	RPD (≤25)	Flag	A or P
550-210177-1	PC-91-20231107MS/MSD (PC-91-20231107 PC-86-20231107 PC-86-20231107-FD PC-103-20231107)	Chlorate	36	J (all detects) UJ (all non-detects)	A
550-210178-1	PC-91-20231107MS/MSD (PC-156A-20231107 PC-156B-20231107)	Chlorate	36	J (all detects) UJ (all non-detects)	A

VI. Laboratory Duplicate Sample

Laboratory duplicate (DUP) sample analysis was performed on an associated project sample. Results were within QC limits.

VII. Laboratory Control Samples

Laboratory control samples (LCS) and laboratory control samples duplicates (LCSD) were analyzed as required by the methods. Percent recoveries (%R) were within QC limits. Relative percent differences (RPD) were within QC limits.

VIII. Field Duplicates

Samples PC-133-20230706 and PC-133-20230706-FD (both from SDG 550-204415-1), samples ART-8A-20230706 and ART-8A-20230706-FD (both from SDG 550-204416-1), samples E1-3-20230710 and E1-3-20230710-FD (both from SDG 550-204536-1), samples LVW6.05-0.5-20230710 and LVW6.05-0.5-20230710-FD (both from SDG 550-204540-1), samples LVW7.2-1.0-20230710 and LVW7.2-1.0-20230710-FD (both from SDG 550-204540-1), samples LVW0.55-0.7-20230710 and LVW0.55-0.7-20230710-FD (both from SDG 550-204540-1), samples I-L-20230711 and I-L-20230711-FD (both from SDG 550-204613-1), samples ART-8A-20230706 and ART-8A-20230706-FD (both from SDG L1632699), samples PC-133-20230706 and PC-133-20230706-FD (both from SDG L1632700), samples E1-3-20230710 and E1-3-20230710-FD (both from SDG L1633648), samples I-L-20230711 and I-L-20230711-FD (both from SDG L1633830), samples I-N-20230801 and I-N-20230801-FD (both from SDG 550-205754-1), samples LVW0.55-1.0-20230801 and LVW0.55-1.0-20230801-FD (both from SDG 550-205871-1), samples LVW6.05-1.0-20230802 and LVW6.05-1.0-20230802-FD (both from SDG 550-205871-1), samples LVW7.2-1.4-20230802 and LVW7.2-1.4-20230802-FD (both from SDG 550-205871-1), samples M-12A-20230804 and M-12A-20230804-FD (both from SDG 550-206008-1), samples E2-3-20230808 and E2-3-20230808-FD (both from SDG 550-206100-1), samples PC-150-20230810 and PC-150-20230810-FD (both from SDG 550-206269-1), samples PC-115R-20230810 and PC-115R-20230810-FD (both from SDG 550-206270-1), samples I-N-20230801 and I-N-20230801-FD (both from SDG L1641037), samples M-12A-20230804 and M-12A-20230804-FD (both from SDG L1642662), samples PC-115R-20230810 and PC-115R-20230810-FD (both from SDG L1644551), samples PC-150-20230810 and PC-150-20230810-FD (both from SDG L1644556), samples E2-3-20230817 and E2-3-20230817-FD (both from SDG L1647125), samples I-P-20230905 and I-P-20230905-FD (both from SDG 550-207285-1), samples LVW0.55-1.5-20230905 and LVW0.55-1.5-20230905-FD (both from SDG 550-207391-1), samples LVW6.05-0.5-20230906 and LVW6.05-0.5-20230906-FD (both from SDG 550-207391-1), samples LVW7.2-1.3-20230906 and LVW7.2-1.3-20230906-FD (both from SDG 550-207391-1), samples E2-5-20230911 and E2-5-20230911-FD (both from SDG 550-207575-1), samples PC-117-20230914 and PC-117-20230914-FD (both from SDG 550-207815-1), samples ART-2/2A-20230914 and ART-2/2A-20230914-FD (both from SDG 550-207816-1), samples I-P-20230905 and I-P-20230905-FD (both from SDG L1652651), samples E2-5-20230911 and E2-5-20230911-FD (both from SDG L1654489), samples PC-117-20230914 and PC-117-20230914-FD (both from SDG L1655729), samples ART-2/2A-20230914 and ART-2/2A-20230914-FD (both from SDG L1655740), samples LVW0.55-1.7-20231003 and LVW0.55-1.7-20231003-FD (both from SDG 550-208660-1), samples LVW6.05-0.8-20231004 and LVW6.05-0.8-20231004-FD (both from SDG 550-208660-1), samples LVW7.2-1.2-20231004 and LVW7.2-1.2-20231004-FD (both from SDG 550-208660-1), samples E1-2-20231005 and E1-2-20231005-FD (both from SDG 550-208782-1), samples I-R-20231010 and I-R-20231010-FD (both from SDG 550-208920-1), samples ART-4-20231012 and ART-4-20231012-FD (both from SDG 550-209105-1), samples PC-119-20231012 and PC-119-20231012-FD (both from SDG 550-209106-1), samples E1-2-20231005 and E1-2-20231005-FD (both from SDG L1663117), samples I-R-20231010 and I-R-20231010-FD (both from SDG L1664507), samples PC-119-20231012 and PC-119-20231012-FD (both from SDG L1665639), samples ART-4-20231012 and ART-4-20231012-FD (both from SDG L1665647), samples LVW0.55-

1.7-20231101 and LVW0.55-1.7-20231101-FD (both from SDG 550-210002-1), samples LVW6.05-0.7-20231101 and LVW6.05-0.7-20231101-FD (both from SDG 550-210002-1), samples LVW7.2-1.2-20231101 and LVW7.2-1.2-20231101-FD (both from SDG 550-210002-1), samples PC-86-20231107 and PC-86-20231107-FD (both from SDG 550-210177-1), samples ARP-3A-20231107 and ARP-3A-20231107-FD (both from SDG 550-210177-1), samples PC-155A-20231107 and PC-155A-20231107-FD (both from SDG 550-210178-1), samples PC-101R-20231107 and PC-101R-20231107-FD (both from SDG 550-210179-1), samples MW-K5-20231107 and MW-K5-20231107-FD (both from SDG 550-210179-1), M-44-20231108 and M-44-20231108-FD (both from SDG 550-210358-1), E2-1-20231109 and E2-1-20231109-FD (both from SDG 550-210402-1), samples E2-1-20231109 (from SDG 550-210402-1) and E2-1-20231109-FD(RE1) (from SDG 550-210402-2), samples E2-1-20231109 (from SDG 550-210402-1) and E2-1-20231109-FD(RE2) (from SDG 550-210402-2), samples I-T-20231113 and I-T-20231113-FD (both from SDG 550-210494-1), samples ART-8A-20231114 and ART-8A-20231114-FD (both from SDG 550-210553-1), samples PC-121-20231114 and PC-121-20231114-FD (both from SDG 550-210554-1), samples M-44-20231108 and M-44-20231108-FD (both from SDG L1675272), samples E2-1-20231109 and E2-1-20231109-FD (both from SDG L1675737), samples I-T-20231113 and I-T-20231113-FD (both from SDG L1677332), samples PC-121-20231114 and PC-121-20231114-FD (both from SDG L1677594), samples E2-3-20231206 and E2-3-20231206-FD (both from SDG 550-211433-1), samples LVW0.55-1.5-20231206 and LVW0.55-1.5-20231206-FD (both from SDG 550-211525-1), samples LVW6.05-0.6-20231206 and LVW6.05-0.6-20231206-FD (both from SDG 550-211525-1), samples LVW7.2-1.8-20231206 and LVW7.2-1.8-20231206-FD (both from SDG 550-211525-1), samples PC-99R2/R3-20231214 and PC-99R2/R3-20231214-FD (both from SDG 550-211806-1), samples PC-150-20231214 and PC-150-20231214-FD (both from SDG 550-211807-1), samples I-V-20231214 and I-V-20231214-FD (both from SDG 550-211808-1), samples E2-3-20231206 and E2-3-20231206-FD (both from SDG L1684897), samples PC-150-20231214 and PC-150-20231214-FD (both from SDG L1688054), and samples I-V-20231214 and I-V-20231214-FD (both from SDG L1688060) were identified as field duplicates. No results were detected in any of the samples with the following exceptions:

SDG	Analyte	Concentration		RPD (≤30)	Flag	A or P
		PC-133-20230706	PC-133-20230706-FD			
550-204415-1	Nitrate as N	0.38 mg/L	0.25 mg/L	41	J (all detects)	A
	Chlorate	500 ug/L	500 ug/L	0	-	-
	Perchlorate	970 ug/L	970 ug/L	0	-	-
	Total dissolved solids	2000 mg/L	2000 mg/L	0	-	-
	Field pH	7.23 SU	7.22 SU	0	-	-

SDG	Analyte	Concentration		RPD (≤30)	Flag	A or P
		ART-8A-20230706	ART-8A-20230706-FD			
550-204416-1	Nitrate as N	7.2 mg/L	7.3 mg/L	1	-	-
	Chlorate	47000 ug/L	54000 ug/L	14	-	-
	Perchlorate	46000 ug/L	48000 ug/L	4	-	-
	Total dissolved solids	8300 mg/L	8400 mg/L	1	-	-
	Field pH	7.05 SU	6.98 SU	1	-	-

SDG	Analyte	Concentration		RPD (≤30)	Flag	A or P
		E1-3-20230710	E1-3-20230710-FD			
550-204536-1	Nitrate as N	83 mg/L	96 mg/L	15	-	-
	Chlorate	180000 ug/L	200000 ug/L	11	-	-
	Perchlorate	340000 ug/L	330000 ug/L	3	-	-
	Total dissolved solids	4200 mg/L	4200 mg/L	0	-	-
	Field pH	7.01 SU	7.00 SU	0	-	-

SDG	Analyte	Concentration		RPD (≤30)	Flag	A or P
		LVW6.05-0.5-20230710	LVW6.05-0.5-20230710-FD			
550-204540-1	Chlorate	210 ug/L	210 ug/L	0	-	-
	Perchlorate	18 ug/L	21 ug/L	15	-	-
	Total dissolved solids	1400 mg/L	1500 mg/L	7	-	-

SDG	Analyte	Concentration		RPD (≤30)	Flag	A or P
		LVW7.2-1.0-20230710	LVW7.2-1.0-20230710-FD			
550-204540-1	Chlorate	180 ug/L	180 ug/L	0	-	-
	Perchlorate	2.2 ug/L	1.9 ug/L	15	-	-
	Total dissolved solids	1200 mg/L	1200 mg/L	0	-	-

SDG	Analyte	Concentration		RPD (≤30)	Flag	A or P
		LVW0.55-0.7-20230710	LVW0.55-0.7-20230710-FD			
550-204540-1	Chlorate	330 ug/L	330 ug/L	0	-	-
	Perchlorate	44 ug/L	44 ug/L	0	-	-
	Total dissolved solids	1500 mg/L	1500 mg/L	0	-	-

SDG	Analyte	Concentration		RPD (≤30)	Flag	A or P
		I-L-20230711	I-L-20230711-FD			
550-204613-1	Nitrate as N	53 mg/L	46 mg/L	14	-	-
	Chlorate	410000 ug/L	340000 ug/L	19	-	-
	Perchlorate	220000 ug/L	220000 ug/L	0	-	-
	Total dissolved solids	4300 mg/L	4400 mg/L	2	-	-
	Field pH	7.41 SU	7.41 SU	0	-	-

SDG	Analyte	Concentration (ug/L)		RPD (≤30)	Flag	A or P
		ART-8A-20230706	ART-8A-20230706-FD			
L1632699	Hexavalent chromium	57.1	56.9	0	-	-

SDG	Analyte	Concentration (ug/L)		RPD (≤30)	Flag	A or P
		E1-3-20230710	E1-3-20230710-FD			
L1633648	Hexavalent chromium	731	735	1	-	-

SDG	Analyte	Concentration (ug/L)		RPD (≤30)	Flag	A or P
		I-L-20230711	I-L-20230711-FD			
L1633830	Hexavalent chromium	1380	1380	0	-	-

SDG	Analyte	Concentration		RPD (≤30)	Flag	A or P
		I-N-20230801	I-N-20230801-FD			
550-205754-1	Nitrate as N	66 mg/L	66 mg/L	0	-	-
	Chlorate	2500000 ug/L	2400000 ug/L	4	-	-
	Perchlorate	440000 ug/L	450000 ug/L	2	-	-
	Total dissolved solids	7300 mg/L	7300 mg/L	0	-	-
	Field pH	7.47 SU	7.46 SU	0	-	-

SDG	Analyte	Concentration		RPD (≤30)	Flag	A or P
		LVW0.55-1.0-20230801	LVW0.55-1.0-20230801-FD			
550-205871-1	Chlorate	230 ug/L	220 ug/L	4	-	-
	Perchlorate	46 ug/L	46 ug/L	0	-	-
	Total dissolved solids	1400 mg/L	1400 mg/L	0	-	-

SDG	Analyte	Concentration		RPD (≤30)	Flag	A or P
		LVW6.05-1.0-20230802	LVW6.05-1.0-20230802-FD			
550-205871-1	Chlorate	150 ug/L	150 ug/L	0	-	-
	Perchlorate	22 ug/L	21 ug/L	5	-	-
	Total dissolved solids	810 mg/L	840 mg/L	4	-	-

SDG	Analyte	Concentration		RPD (≤30)	Flag	A or P
		LVW7.2-1.4-20230802	LVW7.2-1.4-20230802-FD			
550-205871-1	Chlorate	88 ug/L	88 ug/L	0	-	-
	Perchlorate	10 ug/L	9.2 ug/L	8	-	-
	Total dissolved solids	620 mg/L	630 mg/L	2	-	-

SDG	Analyte	Concentration		RPD (≤30)	Flag	A or P
		M-12A-20230804	M-12A-20230804-FD			
550-206008-1	Perchlorate	110000 ug/L	120000 ug/L	9	-	-
	Total dissolved solids	5200 mg/L	5100 mg/L	2	-	-

SDG	Analyte	Concentration		RPD (≤30)	Flag	A or P
		E2-3-20230808	E2-3-20230808-FD			
550-206100-1	Nitrate as nitrogen	48 mg/L	48 mg/L	0	-	-
	Chlorate	32000 ug/L	31000 ug/L	3	-	-
	Perchlorate	880000 ug/L	930000 ug/L	6	-	-
	Total dissolved solids	4500 mg/L	4200 mg/L	7	-	-
	Field pH	7.11 SU	7.09 SU	0	-	-

SDG	Analyte	Concentration		RPD (≤30)	Flag	A or P
		PC-150-20230810	PC-150-20230810-FD			
550-206269-1	Nitrate as nitrogen	9.8 mg/L	8.4 mg/L	15	-	-
	Chlorate	52000 ug/L	50000 ug/L	4	-	-
	Perchlorate	47000 ug/L	47000 ug/L	0	-	-
	Total dissolved solids	4500 mg/L	4500 mg/L	0	-	-
	Field pH	7.35 SU	7.35 SU	0	-	-

SDG	Analyte	Concentration		RPD (≤30)	Flag	A or P
		PC-115R-20230810	PC-115R-20230810-FD			
550-206270-1	Nitrate as nitrogen	5.5 mg/L	5.5 mg/L	0	-	-
	Chlorate	4500 ug/L	4400 ug/L	2	-	-
	Perchlorate	7700 ug/L	7700 ug/L	0	-	-
	Total dissolved solids	2300 mg/L	2300 mg/L	0	-	-
	Field pH	7.11 SU	7.11 SU	0	-	-

SDG	Analyte	Concentration (ug/L)		RPD (≤30)	Flag	A or P
		I-N-20230801	I-N-20230801-FD			
L1641037	Hexavalent chromium	6850	6700	2	-	-

SDG	Analyte	Concentration (ug/L)		RPD (≤30)	Flag	A or P
		M-12A-20230804	M-12A-20230804-FD			
L1642662	Hexavalent chromium	6.59	6.61	0	-	-

SDG	Analyte	Concentration (ug/L)		RPD (≤30)	Flag	A or P
		PC-150-20230810	PC-150-20230810-FD			
L1644556	Hexavalent chromium	47.6	47.5	0	-	-

SDG	Analyte	Concentration (ug/L)		RPD (≤30)	Flag	A or P
		E2-3-20230817	E2-3-20230817-FD			
L1647125	Hexavalent chromium	113	111	2	-	-

SDG	Analyte	Concentration		RPD (≤30)	Flag	A or P
		I-P-20230905	I-P-20230905-FD			
550-207285-1	Nitrate as N	49 mg/L	48 mg/L	2	-	-
	Chlorate	3200000 ug/L	2000000 ug/L	46	J (all detects)	A
	Perchlorate	610000 ug/L	570000 ug/L	7	-	-
	Total dissolved solids	7300 mg/L	7300 mg/L	0	-	-
	Field pH	7.48 SU	7.47 SU	0	-	-

SDG	Analyte	Concentration		RPD (≤30)	Flag	A or P
		LVW0.55-1.5-20230905	LVW0.55-1.5-20230905-FD			
550-207391-1	Chlorate	200 ug/L	210 ug/L	5	-	-
	Perchlorate	55 ug/L	57 ug/L	4	-	-
	Total dissolved solids	1200 mg/L	1200 mg/L	0	-	-

SDG	Analyte	Concentration		RPD (≤30)	Flag	A or P
		LVW6.05-0.5-20230906	LVW6.05-0.5-20230906-FD			
550-207391-1	Chlorate	130 ug/L	130 ug/L	0	-	-
	Perchlorate	53 ug/L	39 ug/L	30	-	-
	Total dissolved solids	1500 mg/L	1400 mg/L	7	-	-

SDG	Analyte	Concentration		RPD (≤30)	Flag	A or P
		LVW7.2-1.3-20230906	LVW7.2-1.3-20230906-FD			
550-207391-1	Chlorate	120 ug/L	110 ug/L	9	-	-
	Perchlorate	0.31U ug/L	0.79 ug/L	87	NQ	-
	Total dissolved solids	1200 mg/L	1200 mg/L	0	-	-

SDG	Analyte	Concentration		RPD (≤30)	Flag	A or P
		E2-5-20230911	E2-5-20230911-FD			
550-207575-1	Nitrate as N	110 mg/L	110 mg/L	0	-	-
	Chlorate	72000 ug/L	72000 ug/L	0	-	-
	Perchlorate	1200000 ug/L	1100000 ug/L	9	-	-
	Total dissolved solids	4100 mg/L	4000 mg/L	2	-	-
	Field pH	7.08 SU	7.07 SU	0	-	-

SDG	Analyte	Concentration		RPD (≤30)	Flag	A or P
		PC-117-20230914	PC-117-20230914-FD			
550-207815-1	Nitrate as N	6.6 mg/L	6.5 mg/L	2	-	-
	Chlorate	59000 ug/L	15000 ug/L	119	J (all detects)	A
	Perchlorate	12000 ug/L	12000 ug/L	0	-	-
	Total dissolved solids	2800 mg/L	270 mg/L	165	J (all detects)	A
	Field pH	7.27 SU	7.27 SU	0	-	-

SDG	Analyte	Concentration		RPD (≤30)	Flag	A or P
		ART-2/2A-20230914	ART-2/2A-20230914-FD			
550-207816-1	Nitrate as N	0.81 mg/L	0.80 mg/L	1	-	-
	Chlorate	71 ug/L	2400 ug/L	189	J (all detects)	A
	Perchlorate	5500 ug/L	5400 ug/L	2	-	-
	Total dissolved solids	7800 mg/L	7800 mg/L	0	-	-
	Field pH	7.18 SU	7.18 SU	0	-	-

SDG	Analyte	Concentration (ug/L)		RPD (≤30)	Flag	A or P
		I-P-20230905	I-P-20230905-FD			
L1652651	Hexavalent chromium	10700	10500		-	-

SDG	Analyte	Concentration (ug/L)		RPD (≤30)	Flag	A or P
		E2-5-20230911	E2-5-20230911-FD			
L1654489	Hexavalent chromium	251	252	0	-	-

SDG	Analyte	Concentration (ug/L)		RPD (≤30)	Flag	A or P
		PC-117-20230914	PC-117-20230914-FD			
L1655729	Hexavalent chromium	7.93	7.80	2	-	-

SDG	Analyte	Concentration (ug/L)		RPD (≤30)	Flag	A or P
		ART-2/2A-20230914	ART-2/2A-20230914-FD			
L1655740	Hexavalent chromium	0.875	0.854	2	-	-

SDG	Analyte	Concentration		RPD (≤30)	Flag	A or P
		LVW0.55-1.7-20231003	LVW0.55-1.7-20231003-FD			
550-208660-1	Chlorate	230 ug/L	250 ug/L	8	-	-
	Perchlorate	51 ug/L	55 ug/L	8	-	-
	Total dissolved solids	2900 mg/L	1400 mg/L	70	J (all detects)	A

SDG	Analyte	Concentration		RPD (≤30)	Flag	A or P
		LVW6.05-0.8-20231004	LVW6.05-0.8-20231004-FD			
550-208660-1	Chlorate	150 ug/L	150 ug/L	0	-	-
	Perchlorate	44 ug/L	38 ug/L	15	-	-
	Total dissolved solids	1400 mg/L	1400 mg/L	0	-	-

SDG	Analyte	Concentration		RPD (≤30)	Flag	A or P
		LVW7.2-1.2-20231004	LVW7.2-1.2-20231004-FD			
550-208660-1	Chlorate	130 ug/L	130 ug/L	0	-	-
	Total dissolved solids	1200 mg/L	1200 mg/L	0	-	-

SDG	Analyte	Concentration		RPD (≤30)	Flag	A or P
		E1-2-20231005	E1-2-20231005-FD			
550-208782-1	Chlorate	210000 ug/L	200000 ug/L	5	-	-
	Nitrate as N	72 mg/L	71 mg/L	1	-	-
	Perchlorate	780000 ug/L	860000 ug/L	10	-	-
	Field pH	7.17 SU	7.17 SU	0	-	-
	Total dissolved solids	1800 mg/L	4500 mg/L	86	J (all detects)	A

SDG	Analyte	Concentration		RPD (≤ 30)	Flag	A or P
		I-R-20231010	I-R-20231010-FD			
550-208920-1	Chlorate	210000 ug/L	230000 ug/L	9	-	-
	Nitrate as N	58 mg/L	58 mg/L	0	-	-
	Perchlorate	520000 ug/L	550000 ug/L	6	-	-
	Field pH	7.47 SU	7.47 SU	0	-	-
	Total dissolved solids	4800 mg/L	4400 mg/L	9	-	-

SDG	Analyte	Concentration		RPD (≤ 30)	Flag	A or P
		ART-4-20231012	ART-4-20231012-FD			
550-209105-1	Chlorate	130000 ug/L	120000 ug/L	8	-	-
	Nitrate as N	15 mg/L	15 mg/L	0	-	-
	Perchlorate	110000 ug/L	110000 ug/L	0	-	-
	Field pH	7.55 SU	7.55 SU	0	-	-
	Total dissolved solids	5200 mg/L	5200 mg/L	0	-	-

SDG	Analyte	Concentration		RPD (≤ 30)	Flag	A or P
		PC-119-20231012	PC-119-20231012-FD			
550-209106-1	Chlorate	1800 ug/L	1800 ug/L	0	-	-
	Nitrate as N	4.8 mg/L	4.7 mg/L	2	-	-
	Perchlorate	3300 ug/L	3300 ug/L	0	-	-
	Field pH	7.49 SU	7.49 SU	0	-	-
	Total dissolved solids	2000 mg/L	2000 mg/L	0	-	-

SDG	Analyte	Concentration (ug/L)		RPD (≤ 30)	Flag	A or P
		E1-2-20231005	E1-2-20231005-FD			
L1663117	Hexavalent chromium	661	653	1	-	-

SDG	Analyte	Concentration (ug/L)		RPD (≤ 30)	Flag	A or P
		I-R-20231010	I-R-20231010-FD			
L1664507	Hexavalent chromium	848	837	1	-	-

SDG	Analyte	Concentration (ug/L)		RPD (≤ 30)	Flag	A or P
		ART-4-20231012	ART-4-20231012-FD			
L1665647	Hexavalent chromium	171	171	0	-	-

SDG	Analyte	Concentration		RPD (≤ 30)	Flag	A or P
		LVW0.55-1.7-20231101	LVW0.55-1.7-20231101-FD			
550-210002-1	Chlorate	210 ug/L	210 ug/L	0	-	-
	Perchlorate	58 ug/L	57 ug/L	2	-	-
	Total dissolved solids	1400 mg/L	1400 mg/L	0	-	-

SDG	Analyte	Concentration		RPD (≤ 30)	Flag	A or P
		LVW6.05-0.7-20231101	LVW6.05-0.7-20231101-FD			
550-210002-1	Chlorate	110 ug/L	110 ug/L	0	-	-
	Perchlorate	32 ug/L	26 ug/L	21	-	-
	Total dissolved solids	1400 mg/L	1400 mg/L	0	-	-

SDG	Analyte	Concentration		RPD (≤ 30)	Flag	A or P
		LVW7.2-1.2-20231101	LVW7.2-1.2-20231101-FD			
550-210002-1	Chlorate	92 ug/L	93 ug/L	1	-	-
	Total dissolved solids	1300 mg/L	1300 mg/L	0	-	-

SDG	Analyte	Concentration		RPD (≤ 30)	Flag	A or P
		PC-86-20231107	PC-86-20231107-FD			
550-210177-1	Perchlorate	510	490	4	-	-

SDG	Analyte	Concentration		RPD (≤ 30)	Flag	A or P
		ARP-3A-20231107	ARP-3A-20231107-FD			
550-210177-1	Perchlorate	6300	6500	3	-	-
	Chlorate	35000	35000	0	-	-

SDG	Analyte	Concentration		RPD (≤ 30)	Flag	A or P
		PC-155A-20231107	PC-155A-20231107-FD			
550-210178-1	Chlorate	310	290	7	-	-
	Total dissolved solids	2200	2200	0	-	-

SDG	Analyte	Concentration		RPD (≤ 30)	Flag	A or P
		PC-101R-20231107	PC-101R-20231107-FD			
550-210179-1	Chlorate	6100	6400	5	-	-
	Total dissolved solids	34000	35000	3	-	-

SDG	Analyte	Concentration		RPD (≤ 30)	Flag	A or P
		MW-K5-20231107	MW-K5-20231107-FD			
550-210179-1	Chlorate	6900	7900	14	-	-
	Total dissolved solids	18000	19000	5	-	-

SDG	Analyte	Concentration		RPD (≤ 30)	Flag	A or P
		M-44-20231108	M-44-20231108-FD			
550-210358-1	Chlorate	310000 ug/L	380000 ug/L	20	-	-
	Perchlorate	470000 ug/L	470000 ug/L	0	-	-
	Total dissolved solids	7600 mg/L	7100 mg/L	7	-	-

SDG	Analyte	Concentration		RPD (≤ 30)	Flag	A or P
		E2-1-20231109	E2-1-20231109-FD			
550-210402-1	Chlorate	13000 ug/L	13000 ug/L	0	-	-
	Nitrate as N	14 mg/L	12 mg/L	15	-	-
	Perchlorate	66000 ug/L	58000 ug/L	13	-	-
	Field pH	7.44 SU	7.49 SU	0	-	-
	Total dissolved solids	2600 mg/L	1100 mg/L	81	J (all detects)	A

SDG	Analyte	Concentration		RPD (≤ 30)	Flag	A or P
		E2-1-20231109	E2-1-20231109-FD(RE1)			
550-210402-2	Perchlorate	66000	57000	15	-	-

SDG	Analyte	Concentration		RPD (≤ 30)	Flag	A or P
		E2-1-20231109	E2-1-20231109-FD(RE2)			
550-210402-2	Perchlorate	66000	58000	13	-	-

SDG	Analyte	Concentration		RPD (≤ 30)	Flag	A or P
		I-T-20231113	I-T-20231113-FD			
550-210494-1	Chlorate	3500000 ug/L	1300000 ug/L	92	J (all detects)	A
	Nitrate as N	72 mg/L	61 mg/L	17	-	-
	Perchlorate	870000 ug/L	700000 ug/L	22	-	-
	Field pH	7.04 SU	7.04 SU	0	-	-
	Total dissolved solids	9100 mg/L	6700 mg/L	30	-	-

SDG	Analyte	Concentration		RPD (≤ 30)	Flag	A or P
		ART-8A-20231114	ART-8A-20231114-FD			
550-210553-1	Chlorate	41000 ug/L	33000 ug/L	22	-	-
	Nitrate as N	8.4 mg/L	7.3 mg/L	14	-	-
	Perchlorate	45000 ug/L	48000 ug/L	6	-	-
	Field pH	7.23 SU	7.19 SU	1	-	-
	Total dissolved solids	8100 mg/L	8400 mg/L	4	-	-

SDG	Analyte	Concentration		RPD (≤ 30)	Flag	A or P
		PC-121-20231114	PC-121-20231114-FD			
550-210554-1	Nitrate as N	0.48 mg/L	0.48 mg/L	0	-	-
	Perchlorate	390 ug/L	370 ug/L	5	-	-
	Field pH	7.45 SU	7.45 SU	0	-	-
	Total dissolved solids	1600 mg/L	1600 mg/L	0	-	-

SDG	Analyte	Concentration		RPD (≤ 30)	Flag	A or P
		E2-3-20231206	E2-3-20231206-FD			
550-211433-1	Nitrate as N	48 mg/L	47 mg/L	2	-	-
	Chlorate	26000 ug/L	35000 ug/L	30	-	-
	Perchlorate	910000 ug/L	990000 ug/L	8	-	-
	Total dissolved solids	3600 mg/L	3700 mg/L	3	-	-
	Field pH	7.34 SU	7.35 SU	0	-	-

SDG	Analyte	Concentration		RPD (≤ 30)	Flag	A or P
		LVW0.55-1.5-20231206	LVW0.55-1.5-20231206-FD			
550-211525-1	Chlorate	210 ug/L	210 ug/L	0	-	-
	Perchlorate	52 ug/L	52 ug/L	0	-	-
	Total dissolved solids	1500 mg/L	1400 mg/L	7	-	-

SDG	Analyte	Concentration		RPD (≤ 30)	Flag	A or P
		LVW6.05-0.6-20231206	LVW6.05-0.6-20231206-FD			
550-211525-1	Chlorate	130 ug/L	130 ug/L	0	-	-
	Perchlorate	33 ug/L	31 ug/L	6	-	-
	Total dissolved solids	1500 mg/L	1500 mg/L	0	-	-

SDG	Analyte	Concentration		RPD (≤ 30)	Flag	A or P
		LVW7.2-1.8-20231206	LVW7.2-1.8-20231206-FD			
550-211525-1	Chlorate	100 ug/L	100 ug/L	0	-	-
	Perchlorate	1.2 ug/L	1.0U ug/L	18	-	-
	Total dissolved solids	1200 mg/L	1200 mg/L	0	-	-

SDG	Analyte	Concentration		RPD (≤ 30)	Flag	A or P
		PC-99R2/R3-20231214	PC-99R2/R3-20231214-FD			
550-211806-1	Chlorate	4500 ug/L	4500 ug/L	0	-	-
	Field pH	7.54 SU	7.54 SU	0	-	-
	Nitrate as N	4.8 mg/L	4.5 mg/L	6	-	-
	Perchlorate	3400 ug/L	4200 ug/L	21	-	-
	Total dissolved solids	1800 mg/L	1800 mg/L	0	-	-

SDG	Analyte	Concentration		RPD (≤ 30)	Flag	A or P
		PC-150-20231214	PC-150-20231214-FD			
550-211807-1	Chlorate	65000 ug/L	70000 ug/L	7	-	-
	Field pH	7.58 SU	7.58 SU	0	-	-
	Nitrate as N	16 mg/L	16 mg/L	0	-	-
	Perchlorate	67000 ug/L	70000 ug/L	4	-	-
	Total dissolved solids	4800 mg/L	4900 mg/L	2	-	-

SDG	Analyte	Concentration		RPD (≤ 30)	Flag	A or P
		I-V-20231214	I-V-20231214-FD			
550-211808-1	Chlorate	17000000 ug/L	16000000 ug/L	6	-	-
	Nitrate as N	16 mg/L	16 mg/L	0	-	-
	Perchlorate	570000 ug/L	560000 ug/L	2	-	-
	Field pH	7.71 SU	7.68 SU	0	-	-
	Total dissolved solids	5600 mg/L	5700 mg/L	2	-	-

SDG	Analyte	Concentration (ug/L)		RPD (≤ 30)	Flag	A or P
		E2-3-20231206	E2-3-20231206-FD			
L1684897	Hexavalent chromium	113	112	1	-	-

SDG	Analyte	Concentration (ug/L)		RPD (≤ 30)	Flag	A or P
		PC-99R2/R3-20231214	PC-99R2/R3-20231214-FD			
L1688045	Hexavalent chromium	0.557	0.543	3	-	-

SDG	Analyte	Concentration (ug/L)		RPD (≤ 30)	Flag	A or P
		PC-150-20231214	PC-150-20231214-FD			
L1688054	Hexavalent chromium	76.9	77.1	0	-	-

SDG	Analyte	Concentration (ug/L)		RPD (≤ 30)	Flag	A or P
		I-V-20231214	I-V-20231214-FD			
L1688060	Hexavalent chromium	7500	7420	1	-	-

NQ = No data were qualified when either the primary or duplicate result was not detected or was below the practical quantitation limit (PQL).

IX. Target Analyte Quantitation

Raw data were not reviewed for Stage 2A validation.

X. Overall Assessment of Data

The analysis was conducted within all specifications of the methods. No results were rejected in these SDGs.

In the case where more than one result was reported for an individual sample, the least technically acceptable results were deemed as not reportable as follows:

SDG	Sample	Analyte	Reason	Flag	A or P
550-208923-1	I-G-20231010	Perchlorate	Results from reanalysis were more usable.	DNR	-
550-210174-1	I-X-20231107	Perchlorate	Higher result reported from SDG 550-210174-2	DNR	-
550-210174-2	I-X-20231107(RE1)	Perchlorate	Higher result reported.	DNR	-
550-210358-1	M-69-20231108	Perchlorate	Higher result reported.	DNR	-
550-210402-1	E2-1-20231109-FD	Perchlorate	The client-requested reanalysis was reported.	DNR	-
550-210402-2	E2-1-20231109-FD(RE1)	Perchlorate	Higher result reported.	DNR	-

SDG	Sample	Analyte	Reason	Flag	A or P
L1675899	M-12A-20231109 M-37-20231109	Hexavalent chromium	Results exceeded calibration range.	DNR	-

Data qualified due to technical holding time, equipment blank contamination, MS/MSD %R and RPD, and field duplicate RPD are summarized and presented in the Data Qualification Summary.

NERT GWM Performance Sampling, July-December 2023

Wet Chemistry - Data Qualification Summary - SDGs 550-204415-1, 550-204416-1, 550-204465-1, 550-204536-1, 550-204540-1, 550-204613-1, 550-204819-1, 550-204820-1, 550-204821-1, L1632699, L1632700, L1633648, L1633830, L1635085, L1635087, L1635088, L1637164, 550-205753-1, 550-205754-1, 550-205871-1, 550-205942-1, 550-206001-1, 550-206002-1, 550-206006-1, 550-206008-1, 550-206100-1, 550-206101-1, 550-206180-1, 550-206269-1, 550-206270-1, L1641037, L1641046, L1642210, L1642662, L1644082, L1644551, L1644556, L1647125, L1647129, 550-206007-1, 550-207285-1, 550-207391-1, 550-207574-1, 550-207575-1, 550-207650-1, 550-207651-1, 550-207815-1, 550-207816-1, 550-207817-1, L1652651, L1654489, L1654490, L1654741, L1654748, L1655729, L1655740, L1655747, 550-208660-1, 550-208782-1, 550-208920-1, 550-208921-1, 550-208923-1, 550-208923-2, 550-209104-1, 550-209105-1, 550-209106-1, L1663117, L1664507, L1664512, L1664514, L1665635, L1665639, L1665647, 550-210002-1, 550-210157-1, 550-210158-1, 550-210160-1, 550-210174-1, 550-210174-2, 550-210175-1, 550-210177-1, 550-210178-1, 550-210179-1, 550-210288-1, 550-210356-1, 550-210357-1, 550-210358-1, 550-210359-1, 550-210361-1, 550-210402-1, 550-210402-2, 550-210403-1, 550-210442-1, 550-210493-1, 550-210494-1, 550-210553-1, 550-210554-1, L1674631, L1674634, L1675272, L1675737, L1675899, L1677331, L1677332, L1677589, L1677594, 550-211433-1, 550-211514-1, 550-211516-1, 550-211525-1, 550-211674-1, 550-211806-1, 550-211807-1, 550-211808-14, L1684897, L1685244, L1685253, L1686916, L1688045, L1688054, L1688060

SDG	Sample	Analyte	Flag	A or P	Reason (Code)
550-208921-1	I-C-20231010	Nitrate as N	J- (all detects)	P	Technical holding times (h)
550-208921-1	I-N-20231010	Nitrate as N	J- (all detects)	P	Technical holding times (h)
550-208923-1	I-G-20231010 I-T-20231010	Nitrate as N	J- (all detects)	P	Technical holding times (h)
550-208923-1	I-U-20231010 I-H-20231010 I-P-20231010	Nitrate as N	J- (all detects)	P	Technical holding times (h)
550-208923-1	I-W-20231010	Nitrate as N	J- (all detects)	P	Technical holding times (h)
550-208923-1	I-O-20231010	Nitrate as N	J- (all detects)	P	Technical holding times (h)
550-208923-2	I-G-20231010	Perchlorate	J- (all detects)	P	Technical holding times (h)
550-210174-2	I-X-20231107(RE2)	Perchlorate	J- (all detects)	A	Technical holding times (h)

SDG	Sample	Analyte	Flag	A or P	Reason (Code)
550-210358-1	M-69-20231108RE	Perchlorate	J- (all detects)	A	Technical holding times (h)
550-210359-1	M-83-20231108	Chlorate	J- (all detects)	A	Technical holding times (h)
550-210402-1	E2-1-20231109-FD	Chlorate	J- (all detects)	P	Technical holding times (h)
550-210402-1	E2-2-20231109-EB	Total dissolved solids	UJ (all non-detects)	P	Technical holding times (h)
550-210402-2	E2-1-20231109-FD(RE2)	Perchlorate	J- (all detects)	A	Technical holding times (h)
550-210403-1	M-38-20231109	Chlorate	J- (all detects)	P	Technical holding times (h)
550-210494-1	I-O-20231113	Total dissolved solids	J- (all detects)	P	Technical holding times (h)
550-211433-1	E2-3-20231206-FD E2-4-20231206-EB	Nitrate as N	J- (all detects) UJ (all non-detects)	P	Technical holding times (h)
550-211514-1	I-AB-20231207 I-B-20231207 I-R-20231207 I-Y-20231207 I-L-20231207 I-S-20231207 I-AR-20231207	Nitrate as N	J- (all detects)	P	Technical holding times (h)
550-211516-1	I-C-20231207 I-F-20231207 I-X-20231207 I-N-20231207 I-E-20231207 I-M-20231207 I-D-20231207	Nitrate as N	J- (all detects)	P	Technical holding times (h)
L1632700	PC-99R2/R3-20230706-EB	Hexavalent chromium	UJ (all non-detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
L1641037	I-C-20230801 I-F-20230801 I-X-20230801 I-N-20230801 I-E-20230801 I-M-20230801 I-D-20230801	Hexavalent chromium	J- (all detects)		Matrix spike/Matrix spike duplicate (%R) (m)

SDG	Sample	Analyte	Flag	A or P	Reason (Code)
L1647125	E1-1-20230817 E1-2-20230817 E1-3-20230817 E2-1-20230817 E2-2-20230817 E2-3-20230817 E2-4-20230817 E2-5-20230817 E2-3-20230817-FD	Hexavalent chromium	J- (all detects)		Matrix spike/Matrix spike duplicate (%R) (m)
550-207285-1	I-P-20230905 I-O-20230905 I-P-20230905-FD	Chlorate	J- (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
L1654489	E1-1-20230911 E1-2-20230911 E1-3-20230911 E2-1-20230911 E2-2-20230911 E2-3-20230911 E2-4-20230911 E2-5-20230911 E2-5-20230911-FD	Hexavalent chromium	J+ (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
L1655729	PC-99R2/R3-20230914 PC-115R-20230914 PC-116R-20230914 PC-117-20230914 PC-118-20230914 PC-119-20230914 PC-120-20230914 PC-121-20230914 PC-133-20230914 PC-117-20230914-FD	Hexavalent chromium	J- (all detects) UJ (all non-detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
L1674631	I-AA-20231107 I-AB-20231107 I-B-20231107 I-R-20231107 I-Y-20231107 I-L-20231107 I-S-20231107 I-AR-20231107	Hexavalent chromium	J- (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
L1674634	I-C-20231107 I-F-20231107 I-X-20231107 I-N-20231107 I-E-20231107 I-M-20231107 I-D-20231107	Hexavalent chromium	J- (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
550-210177-1	PC-91-20231107 PC-86-20231107 PC-86-20231107-FD PC-103-20231107	Chlorate	J (all detects) UJ (all non-detects)	A	Matrix spike/Matrix spike duplicate (RPD) (ld)
550-210178-1	PC-156A-20231107 PC-156B-20231107	Chlorate	J (all detects) UJ (all non-detects)	A	Matrix spike/Matrix spike duplicate (RPD) (ld)

SDG	Sample	Analyte	Flag	A or P	Reason (Code)
550-204415-1	PC-133-20230706 PC-133-20230706-FD	Nitrate as N	J (all detects)	A	Field duplicates (RPD) (fd)
550-207285-1	I-P-20230905 I-P-20230905-FD	Chlorate	J (all detects)	A	Field duplicates (RPD) (fd)
550-207815-1	PC-117-20230914 PC-117-20230914-FD	Chlorate Total dissolved solids	J (all detects) J (all detects)	A	Field duplicates (RPD) (fd)
550-207816-1	ART-2/2A-20230914 ART-2/2A-20230914-FD	Chlorate	J (all detects)	A	Field duplicates (RPD) (fd)
550-208660-1	LVW0.55-1.7-20231003 LVW0.55-1.7-20231003-FD	Total dissolved solids	J (all detects)	A	Field duplicates (RPD) (fd)
550-208782-1	E1-2-20231005 E1-2-20231005-FD	Total dissolved solids	J (all detects)	A	Field duplicates (RPD) (fd)
550-210402-1	E2-1-20231109 E2-1-20231109-FD	Total dissolved solids	J (all detects)	A	Field duplicates (RPD) (fd)
550-210494-1	I-T-20231113 I-T-20231113-FD	Chlorate	J (all detects)	A	Field duplicates (RPD) (fd)
550-208923-1	I-G-20231010	Perchlorate	DNR	-	Overall assessment of data (orr)
550-210174-1	I-X-20231107	Perchlorate	DNR	-	Overall assessment of data (orr)
550-210174-2	I-X-20231107(RE1)	Perchlorate	DNR	-	Overall assessment of data (orr)
550-210358-1	M-69-20231108	Perchlorate	DNR	-	Overall assessment of data (orr)
550-210402-1	E2-1-20231109-FD	Perchlorate	DNR	-	Overall assessment of data (orr)
550-210402-2	E2-1-20231109-FD(RE1)	Perchlorate	DNR	-	Overall assessment of data (orr)
L1675899	M-12A-20231109 M-37-20231109	Hexavalent chromium	DNR	-	Overall assessment of data (orr)

NERT GWM Performance Sampling, July 2023

Wet Chemistry - Laboratory Blank Data Qualification Summary - SDGs 550-204415-1, 550-204416-1, 550-204465-1, 550-204536-1, 550-204540-1, 550-204613-1, 550-204819-1, 550-204820-1, 550-204821-1, L1632699, L1632700, L1633648, L1633830, L1635085, L1635087, L1635088, L1637164, 550-205753-1, 550-205754-1, 550-205871-1, 550-205942-1, 550-206001-1, 550-206002-1, 550-206006-1, 550-206008-1, 550-206100-1, 550-206101-1, 550-206180-1, 550-206269-1, 550-206270-1, L1641037, L1641046, L1642210, L1642662, L1644082, L1644551, L1644556, L1647125, L1647129, 550-206007-1, 550-207285-1, 550-207391-1, 550-207574-1, 550-207575-1, 550-207650-1, 550-207651-1, 550-207815-1, 550-207816-1, 550-207817-1, L1652651, L1654489, L1654490, L1654741, L1654748, L1655729, L1655740, L1655747, 550-208660-1, 550-208782-1, 550-208920-1, 550-208921-1, 550-208923-1, 550-208923-2, 550-209104-1, 550-209105-1, 550-209106-1, L1663117, L1664507, L1664512, L1664514, L1665635, L1665639, L1665647, 550-210002-1, 550-210157-1, 550-210158-1, 550-210160-1, 550-210174-1, 550-210174-2, 550-210175-1, 550-210177-1, 550-210178-1, 550-210179-1, 550-210288-1, 550-210356-1, 550-210357-1, 550-210358-1, 550-210359-1, 550-210361-1, 550-210402-1, 550-210402-2, 550-210403-1, 550-210442-1, 550-210493-1, 550-210494-1, 550-210553-1, 550-210554-1, L1674631, L1674634, L1675272, L1675737, L1675899, L1677331, L1677332, L1677589, L1677594, 550-211433-1, 550-211514-1, 550-211516-1, 550-211525-1, 550-211674-1, 550-211806-1, 550-211807-1, 550-211808-14, L1684897, L1685244, L1685253, L1686916, L1688045, L1688054, L1688060

No Sample Data Qualified in these SDGs

NERT GWM Performance Sampling, July 2023

Wet Chemistry - Field Blank Data Qualification Summary - SDGs 550-204415-1, 550-204416-1, 550-204465-1, 550-204536-1, 550-204540-1, 550-204613-1, 550-204819-1, 550-204820-1, 550-204821-1, L1632699, L1632700, L1633648, L1633830, L1635085, L1635087, L1635088, L1637164, 550-205753-1, 550-205754-1, 550-205871-1, 550-205942-1, 550-206001-1, 550-206002-1, 550-206006-1, 550-206008-1, 550-206100-1, 550-206101-1, 550-206180-1, 550-206269-1, 550-206270-1, L1641037, L1641046, L1642210, L1642662, L1644082, L1644551, L1644556, L1647125, L1647129, 550-206007-1, 550-207285-1, 550-207391-1, 550-207574-1, 550-207575-1, 550-207650-1, 550-207651-1, 550-207815-1, 550-207816-1, 550-207817-1, L1652651, L1654489, L1654490, L1654741, L1654748, L1655729, L1655740, L1655747, 550-208660-1, 550-208782-1, 550-208920-1, 550-208921-1, 550-208923-1, 550-208923-2, 550-209104-1, 550-209105-1, 550-209106-1, L1663117, L1664507, L1664512, L1664514, L1665635, L1665639, L1665647, 550-210002-1, 550-210157-1, 550-210158-1, 550-210160-1, 550-210174-1, 550-210174-2, 550-210175-1, 550-210177-1, 550-210178-1, 550-210179-1, 550-210288-1, 550-210356-1, 550-210357-1, 550-210358-1, 550-210359-1, 550-210361-1, 550-210402-1, 550-210402-2, 550-210403-1, 550-210442-1, 550-210493-1, 550-210494-1, 550-210553-1, 550-210554-1, L1674631, L1674634, L1675272, L1675737, L1675899, L1677331, L1677332, L1677589, L1677594, 550-211433-1, 550-211514-1, 550-211516-1, 550-211525-1, 550-211674-1, 550-211806-1, 550-211807-1, 550-211808-14, L1684897, L1685244, L1685253, L1686916, L1688045, L1688054, L1688060

SDG	Sample	Analyte	Modified Final Concentration (mg/L)	A or P	Code
550-210494-1	I-U-20231113	Total dissolved solids	8700J+	A	be, ba