

**Data Validation Summary Report  
Remedial Investigation Sampling Phase 3 Modification 10  
August 2021 through February 2022, Revision 1  
Nevada Environmental Response Trust (NERT)  
Henderson, Nevada**

Prepared for

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December 7, 2022

Remedial Investigation Sampling Phase 3 Modification #10 DVSR and EDD Revision 1  
August 2021 through February 2022  
Nevada Environmental Response Trust Site  
Henderson, Nevada

**Remedial Investigation Sampling Phase 3 Modification #10  
DVSR and EDD August 2021 through February 2022 Revision 1**

**Nevada Environmental Response Trust  
Site (Former Tronox LLC Site)  
Henderson, Nevada**

**Nevada Environmental Response Trust (NERT) Representative Certification**

I certify that this document and all attachments submitted to the Division were prepared at the request of, or under the direction or supervision of NERT. Based on my own involvement and/or my inquiry of the person or persons who manage the system(s) or those directly responsible for gathering the information or preparing the document, or the immediate supervisor of such person(s), the information submitted and provided herein is, to the best of my knowledge and belief, true, accurate, and complete in all material respects.

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Le Petomane XXVII, Inc., not individually, but solely in its representative capacity as the Nevada Environmental Response Trust Trustee

**Signature:** Jay A. Steinberg Not Individually, but Solely  
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**Name:** Jay A. Steinberg, not individually, but solely in his representative capacity as President of the Nevada Environmental Response Trust Trustee

**Title:** Solely as President and not individually

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**Date:** 10/17/22

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**Responsible Certified Environmental Manager (CEM) for this project**

I hereby certify that I am responsible for the services described in this document and for the preparation of this document. The services described in this document have been provided in a manner consistent with the current standards of the profession and, to the best of my knowledge, comply with all applicable federal, state and local statutes, regulations and ordinances.

*Kimberly Kuwabara*

**Kimberly Kuwabara, MS  
Senior Managing Consultant**

December 7, 2022

**Date**

Certified Environmental Manager  
Ramboll US Corporation, Inc.  
CEM Certificate Number: 2353  
CEM Expiration Date: March 20, 2023

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## LIST OF ACRONYMS AND ABBREVIATIONS

DL	Detection Limit
DNR	Do Not Report
DQO	Data Quality Objectives
DUP	Duplicate
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
QAPP	Quality Assurance Project Plan
RPD	Relative Percent Difference
SDG	Sample Delivery Group
SQL	Sample Quantitation Limit
TB	Trip Blank
TDS	Total Dissolved Solids
USEPA	United States Environmental Protection Agency
%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 associated with the Phase 3 Remedial Investigation Modification 10 sampling efforts conducted during August 2021 through February 2022, at the Nevada Environmental Response Trust (NERT) site in Henderson, Nevada. The assessment was performed by Ramboll as a part of the *Quality Assurance Project Plan, Revision 6, Nevada Environmental Response Trust Site, Henderson, Nevada* dated February 2021, and included the collection and analyses of 1,100 environmental and quality control (QC) samples.

Wet Chemistry:

Chlorate by EPA Method 300.1B

Perchlorate by EPA Method 314.0

Total Dissolved Solids (TDS) by Standard Method 2540C

Laboratory analytical services were provided by Eurofins. 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 and Quality Assurance Project Plan (QAPP) requirements for water samples, 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: QAPP Revision 6 (February 2021), *USEPA National Functional Guidelines (NFG) for Inorganic Superfund Methods Data Review* (November 2020); and *Standard Method for the Examination of Water and Wastewater 22<sup>nd</sup> edition (2012)* and *EPA Methods for Chemical Analysis of Water and Wastes (1983)*.

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 4.0 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: trip blanks (TB), 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, LCS, and samples containing surrogate spikes. In some cases, samples from multiple SDGs were within one QC batch and therefore are associated with the same laboratory QC samples. Surrogate spikes are either isotopically labeled compounds or compounds that are not typically detected in the samples. Surrogate spikes are added to every blank, environmental sample, LCS, MS/MSD, and standard, for all applicable organic analyses. 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.

Trip blanks are used to identify possible volatile organic contamination introduced into the sample during transport. A trip blank is a sample bottle filled in the laboratory with reagent-grade water and preserved to a pH less than 2 with hydrochloric acid or solid matrix. It is transported to the site, stored with the sample containers, and returned unopened to the laboratory for analysis.

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 WET CHEMISTRY**

All wet chemistry data were assessed to be valid since none of the 3,294 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 Surrogate**

All surrogate %Rs met the laboratory acceptance criteria.

### **2.1.2 MS/MSD Samples**

MS/MSD samples were evaluated for chlorate, and perchlorate.

Twenty-six (26) chlorate, and 36 perchlorate results were qualified as detected estimated (J-) due to MS/MSD %Rs below the laboratory acceptance criteria.

Fifteen (15) chlorate, and eight perchlorate results were qualified as detected estimated (J+) due to MS/MSD %Rs above the laboratory acceptance criteria.

All MS/MSD RPDs met the laboratory acceptance criteria.

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

### **2.1.3 DUP Samples**

DUP samples were evaluated for TDS. All DUP RPDs met the laboratory criteria.

### **2.1.4 LCS/LCSD Samples**

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

### **2.1.5 FD Samples**

No field duplicates were collected for this sampling event, due to the automated high-frequency sampling procedures.

## **2.2 Representativeness**

### **2.2.1 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 28-day analysis holding time criteria for chlorate and perchlorate.

The TDS result for sample LVW 4.2-C-1.5-20210804-13 was qualified as detected estimated (J-) as a result of exceeding the analysis holding time criteria of seven (7) days.

Temperature preservation is not required for the methods evaluated as part of this DVSR. However, the samples were shipped on ice and one cooler that contained sample fractions for SDGs 550-168577-1 and 550-168578-1 arrived at the laboratory at 13.9 degrees Celsius. The laboratory noted the cooler was received above 6 degrees Celsius in the case narratives but did not correctly identify the sample fractions affected for SDG 550-168578-1. All of the chlorate samples and six samples submitted for perchlorate analysis for SDG 550-168578-1 were received above 6 degrees Celsius. No data were qualified.

### **2.2.2 Blanks**

Method blanks were 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. Reason codes are applied to distinguish if the blank concentration was above or below the PQL.

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. Reason codes are applied to distinguish if the blank concentration was above or below the PQL.

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**

No contaminants were detected in the method blanks.

### **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. The comparability of the data is regarded as acceptable.

### **2.4 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.

### **2.5 Sensitivity**

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

## **3.0 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.

## **4.0 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.

### **4.1 Precision and Accuracy**

Precision and accuracy were evaluated using data quality indicators such as surrogates, MS/MSD, DUP,

and LCS/LCSD. The precision and accuracy of the data set were considered acceptable after integration of result qualification.

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

#### 4.2 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 2.2.1. All samples were associated with a method blank in each individual SDG. The representativeness of the project data is considered acceptable.

#### 4.3 Comparability

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.

#### 4.4 Completeness

Of the 3,294 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
Wet Chemistry:			
Chlorate	1,098	0	100
Perchlorate	1,100	0	100
TDS	1,096	0	100
<b>Total</b>	<b>3,294</b>	<b>0</b>	<b>100</b>

The completeness percentage based on rejected data met the 90 percent DQO goal.

#### 4.5 Sensitivity

Sensitivity was achieved by the laboratory to support the DQOs. Calibration concentrations and sample PQLs met the project requirements.

### 5.0 CONCLUSIONS AND RECOMMENDATIONS

The analytical data quality assessment for the water sample laboratory analytical results generated during the August 2021 to February 2022 Remedial Investigation Phase 3 Modification 10 sampling efforts at the NERT site in Henderson, Nevada established that the overall project requirements and completeness levels were met. No sample results included in this data set were rejected (R). 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.

## **6.0 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.

Ramboll 2021. Quality Assurance Project Plan, Nevada Environmental Response Trust Site, Henderson, Nevada. February 24. NDEP approved March 11, 2021.

USEPA 1983. EPA Methods for Chemical Analysis of Water and Wastes, EPA-600/4-79-020, Cincinnati, Ohio. March.

USEPA 2020. USEPA National Functional Guidelines for Inorganic Superfund Methods Data Review. November.

## **TABLES**



**Table I. Sample Cross Reference**

<b>LDC</b>	<b>SDG</b>	<b>Client Sample ID</b>	<b>Lab ID</b>	<b>Sample Date</b>	<b>Validation Level</b>	<b>Matrix</b>	<b>Chlorate (300.1B)</b>	<b>Perchlorate (314.0)</b>	<b>TDS (2540C)</b>
52180	5501683871	LVW 5.3-S-0.8-20210803-08	550-168387-1	8/3/2021	Stage 2A	Water	X	X	X
52180	5501683871	LVW 5.3-S-0.8-20210803-09	550-168387-2	8/3/2021	Stage 2A	Water	X	X	X
52180	5501683871	LVW 5.3-S-0.8-20210803-10	550-168387-3	8/3/2021	Stage 2A	Water	X	X	X
52180	5501683881	LVW 6.05-0.3-20210803-07	550-168388-1	8/3/2021	Stage 2A	Water	X	X	X
52180	5501683881	LVW 6.05-0.3-20210803-08	550-168388-2	8/3/2021	Stage 2A	Water	X	X	X
52180	5501683881	LVW 6.05-0.3-20210803-09	550-168388-3	8/3/2021	Stage 2A	Water	X	X	X
52180	5501683881	LVW 6.05-0.3-20210803-10	550-168388-4	8/3/2021	Stage 2A	Water	X	X	X
52180	5501683881	LVW 6.05-0.3-20210803-11	550-168388-5	8/3/2021	Stage 2A	Water	X	X	X
52180	5501683881	LVW 6.05-0.3-20210803-12	550-168388-6	8/3/2021	Stage 2A	Water	X	X	X
52180	5501683881	LVW 6.05-0.3-20210803-13	550-168388-7	8/3/2021	Stage 2A	Water	X	X	X
52180	5501683881	LVW 6.05-0.3-20210803-14	550-168388-8	8/3/2021	Stage 2A	Water	X	X	X
52180	5501683881	LVW 6.05-0.3-20210803-15	550-168388-9	8/3/2021	Stage 2A	Water	X	X	X
52180	5501683881	LVW 6.05-0.3-20210803-16	550-168388-10	8/3/2021	Stage 2A	Water	X	X	X
52180	5501683881	LVW 6.05-0.3-20210803-17	550-168388-11	8/3/2021	Stage 2A	Water	X	X	X
52180	5501683881	LVW 6.05-0.3-20210803-18	550-168388-12	8/3/2021	Stage 2A	Water	X	X	X
52180	5501683881	LVW 6.05-0.3-20210803-19	550-168388-13	8/3/2021	Stage 2A	Water	X	X	X
52180	5501683881	LVW 6.05-0.3-20210803-20	550-168388-14	8/3/2021	Stage 2A	Water	X	X	X
52180	5501683881	LVW 6.05-0.3-20210803-21	550-168388-15	8/3/2021	Stage 2A	Water	X	X	X
52180	5501683881	LVW 6.05-0.3-20210803-22	550-168388-16	8/3/2021	Stage 2A	Water	X	X	X
52180	5501683881	LVW 6.05-0.3-20210803-23	550-168388-17	8/3/2021	Stage 2A	Water	X	X	X
52180	5501683891	LVW 0.55-1.5-20210803-13	550-168389-1	8/3/2021	Stage 2A	Water	X	X	X
52180	5501683891	LVW 0.55-1.5-20210803-14	550-168389-2	8/3/2021	Stage 2A	Water	X	X	X
52180	5501683891	LVW 0.55-1.5-20210803-15	550-168389-3	8/3/2021	Stage 2A	Water	X	X	X
52180	5501683891	LVW 0.55-1.5-20210803-16	550-168389-4	8/3/2021	Stage 2A	Water	X	X	X
52180	5501683891	LVW 0.55-1.5-20210803-17	550-168389-5	8/3/2021	Stage 2A	Water	X	X	X
52180	5501683891	LVW 0.55-1.5-20210803-18	550-168389-6	8/3/2021	Stage 2A	Water	X	X	X
52180	5501683891	LVW 0.55-1.5-20210803-19	550-168389-7	8/3/2021	Stage 2A	Water	X	X	X
52180	5501683891	LVW 0.55-1.5-20210803-20	550-168389-8	8/3/2021	Stage 2A	Water	X	X	X
52180	5501683891	LVW 0.55-1.5-20210803-21	550-168389-9	8/3/2021	Stage 2A	Water	X	X	X
52180	5501683891	LVW 0.55-1.5-20210803-22	550-168389-10	8/3/2021	Stage 2A	Water	X	X	X
52180	5501683891	LVW 0.55-1.5-20210803-23	550-168389-11	8/3/2021	Stage 2A	Water	X	X	X
52180	5501683891	LVW 0.55-1.5-20210804-00	550-168389-12	8/4/2021	Stage 2A	Water	X	X	X
52180	5501683891	LVW 0.55-1.5-20210804-01	550-168389-13	8/4/2021	Stage 2A	Water	X	X	X
52180	5501683891	LVW 0.55-1.5-20210804-02	550-168389-14	8/4/2021	Stage 2A	Water	X	X	X

**Table I. Sample Cross Reference**

<b>LDC</b>	<b>SDG</b>	<b>Client Sample ID</b>	<b>Lab ID</b>	<b>Sample Date</b>	<b>Validation Level</b>	<b>Matrix</b>	<b>Chlorate (300.1B)</b>	<b>Perchlorate (314.0)</b>	<b>TDS (2540C)</b>
52180	5501683891	LVW 0.55-1.5-20210804-03	550-168389-15	8/4/2021	Stage 2A	Water	X	X	X
52180	5501683891	LVW 0.55-1.5-20210804-04	550-168389-16	8/4/2021	Stage 2A	Water	X	X	X
52180	5501684291	LVW 5.3-C-1.0-20210803-10	550-168429-1	8/3/2021	Stage 2A	Water	X	X	X
52180	5501684291	LVW 5.3-C-1.0-20210803-11	550-168429-2	8/3/2021	Stage 2A	Water	X	X	X
52180	5501684291	LVW 5.3-C-1.0-20210803-12	550-168429-3	8/3/2021	Stage 2A	Water	X	X	X
52180	5501684291	LVW 5.3-C-1.0-20210803-13	550-168429-4	8/3/2021	Stage 2A	Water	X	X	X
52180	5501684291	LVW 5.3-C-1.0-20210803-14	550-168429-5	8/3/2021	Stage 2A	Water	X	X	X
52180	5501684291	LVW 5.3-C-1.0-20210803-15	550-168429-6	8/3/2021	Stage 2A	Water	X	X	X
52180	5501684291	LVW 5.3-C-1.0-20210803-16	550-168429-7	8/3/2021	Stage 2A	Water	X	X	X
52180	5501684291	LVW 5.3-C-1.0-20210803-17	550-168429-8	8/3/2021	Stage 2A	Water	X	X	X
52180	5501684291	LVW 5.3-C-1.0-20210803-18	550-168429-9	8/3/2021	Stage 2A	Water	X	X	X
52180	5501684291	LVW 5.3-C-1.0-20210803-19	550-168429-10	8/3/2021	Stage 2A	Water	X	X	X
52180	5501684291	LVW 5.3-C-1.0-20210803-20	550-168429-11	8/3/2021	Stage 2A	Water	X	X	X
52180	5501684291	LVW 5.3-C-1.0-20210803-21	550-168429-12	8/3/2021	Stage 2A	Water	X	X	X
52180	5501684291	LVW 5.3-C-1.0-20210803-22	550-168429-13	8/3/2021	Stage 2A	Water	X	X	X
52180	5501684291	LVW 5.3-C-1.0-20210803-23	550-168429-14	8/3/2021	Stage 2A	Water	X	X	X
52180	5501684291	LVW 5.3-C-1.0-20210804-00	550-168429-15	8/4/2021	Stage 2A	Water	X	X	X
52180	5501684291	LVW 5.3-C-1.0-20210804-01	550-168429-16	8/4/2021	Stage 2A	Water	X	X	X
52180	5501684291	LVW 5.3-C-1.0-20210804-02	550-168429-17	8/4/2021	Stage 2A	Water	X	X	X
52180	5501684291	LVW 5.3-C-1.0-20210804-03	550-168429-18	8/4/2021	Stage 2A	Water	X	X	X
52180	5501684291	LVW 5.3-C-1.0-20210804-04	550-168429-19	8/4/2021	Stage 2A	Water	X	X	X
52180	5501684291	LVW 5.3-C-1.0-20210804-05	550-168429-20	8/4/2021	Stage 2A	Water	X	X	X
52180	5501684291	LVW 5.3-C-1.0-20210804-06	550-168429-21	8/4/2021	Stage 2A	Water	X	X	X
52180	5501684291	LVW 5.3-C-1.0-20210804-07	550-168429-22	8/4/2021	Stage 2A	Water	X	X	X
52180	5501684291	LVW 5.3-C-1.0-20210804-08	550-168429-23	8/4/2021	Stage 2A	Water	X	X	X
52180	5501684291	LVW 5.3-C-1.0-20210804-09	550-168429-24	8/4/2021	Stage 2A	Water	X	X	X
52180	5501684331	LVW 3.5-N-0.5-20210803-12	550-168433-1	8/3/2021	Stage 2A	Water	X	X	X
52180	5501684331	LVW 3.5-N-0.5-20210803-13	550-168433-2	8/3/2021	Stage 2A	Water	X	X	X
52180	5501684331	LVW 3.5-N-0.5-20210803-14	550-168433-3	8/3/2021	Stage 2A	Water	X	X	X
52180	5501684331	LVW 3.5-N-0.5-20210803-15	550-168433-4	8/3/2021	Stage 2A	Water	X	X	X
52180	5501684331	LVW 3.5-N-0.5-20210803-16	550-168433-5	8/3/2021	Stage 2A	Water	X	X	X
52180	5501684331	LVW 3.5-N-0.5-20210803-17	550-168433-6	8/3/2021	Stage 2A	Water	X	X	X
52180	5501684331	LVW 3.5-N-0.5-20210803-18	550-168433-7	8/3/2021	Stage 2A	Water	X	X	X
52180	5501684331	LVW 3.5-N-0.5-20210803-19	550-168433-8	8/3/2021	Stage 2A	Water	X	X	X

**Table I. Sample Cross Reference**

<b>LDC</b>	<b>SDG</b>	<b>Client Sample ID</b>	<b>Lab ID</b>	<b>Sample Date</b>	<b>Validation Level</b>	<b>Matrix</b>	<b>Chlorate (300.1B)</b>	<b>Perchlorate (314.0)</b>	<b>TDS (2540C)</b>
52180	5501684331	LVW 3.5-N-0.5-20210803-20	550-168433-9	8/3/2021	Stage 2A	Water	X	X	X
52180	5501684331	LVW 3.5-N-0.5-20210803-21	550-168433-10	8/3/2021	Stage 2A	Water	X	X	X
52180	5501684331	LVW 3.5-N-0.5-20210803-22	550-168433-11	8/3/2021	Stage 2A	Water	X	X	X
52180	5501684331	LVW 3.5-N-0.5-20210803-23	550-168433-12	8/3/2021	Stage 2A	Water	X	X	X
52180	5501684331	LVW 3.5-N-0.5-20210804-00	550-168433-13	8/4/2021	Stage 2A	Water	X	X	X
52180	5501684331	LVW 3.5-N-0.5-20210804-01	550-168433-14	8/4/2021	Stage 2A	Water	X	X	X
52180	5501684331	LVW 3.5-N-0.5-20210804-02	550-168433-15	8/4/2021	Stage 2A	Water	X	X	X
52180	5501684331	LVW 3.5-N-0.5-20210804-03	550-168433-16	8/4/2021	Stage 2A	Water	X	X	X
52180	5501684331	LVW 3.5-N-0.5-20210804-04	550-168433-17	8/4/2021	Stage 2A	Water	X	X	X
52180	5501684331	LVW 3.5-N-0.5-20210804-05	550-168433-18	8/4/2021	Stage 2A	Water	X	X	X
52180	5501684331	LVW 3.5-N-0.5-20210804-06	550-168433-19	8/4/2021	Stage 2A	Water	X	X	X
52180	5501684331	LVW 3.5-N-0.5-20210804-07	550-168433-20	8/4/2021	Stage 2A	Water	X	X	X
52180	5501684331	LVW 3.5-N-0.5-20210804-08	550-168433-21	8/4/2021	Stage 2A	Water	X	X	X
52180	5501684331	LVW 3.5-N-0.5-20210804-09	550-168433-22	8/4/2021	Stage 2A	Water	X	X	X
52180	5501684331	LVW 3.5-N-0.5-20210804-10	550-168433-23	8/4/2021	Stage 2A	Water	X	X	X
52180	5501684331	LVW 3.5-N-0.5-20210804-11	550-168433-24	8/4/2021	Stage 2A	Water	X	X	X
52180	5501684381	LVW 3.5-C-1.0-20210803-1247	550-168438-1	8/3/2021	Stage 2A	Water	X	X	X
52180	5501684381	LVW 3.5-C-1.0-20210803-1347	550-168438-2	8/3/2021	Stage 2A	Water	X	X	X
52180	5501684381	LVW 3.5-C-1.0-20210803-1447	550-168438-3	8/3/2021	Stage 2A	Water	X	X	X
52180	5501684381	LVW 3.5-C-1.0-20210803-1547	550-168438-4	8/3/2021	Stage 2A	Water	X	X	X
52180	5501684381	LVW 3.5-C-1.0-20210803-1647	550-168438-5	8/3/2021	Stage 2A	Water	X	X	X
52180	5501684381	LVW 3.5-C-1.0-20210803-1747	550-168438-6	8/3/2021	Stage 2A	Water	X	X	X
52180	5501684381	LVW 3.5-C-1.0-20210803-1847	550-168438-7	8/3/2021	Stage 2A	Water	X	X	X
52180	5501684381	LVW 3.5-C-1.0-20210803-1947	550-168438-8	8/3/2021	Stage 2A	Water	X	X	X
52180	5501684381	LVW 3.5-C-1.0-20210803-2047	550-168438-9	8/3/2021	Stage 2A	Water	X	X	X
52180	5501684381	LVW 3.5-C-1.0-20210803-2147	550-168438-10	8/3/2021	Stage 2A	Water	X	X	X
52180	5501684381	LVW 3.5-C-1.0-20210803-2247	550-168438-11	8/3/2021	Stage 2A	Water	X	X	X
52180	5501684381	LVW 3.5-C-1.0-20210803-2347	550-168438-12	8/3/2021	Stage 2A	Water	X	X	X
52180	5501684381	LVW 3.5-C-1.0-20210804-0047	550-168438-13	8/4/2021	Stage 2A	Water	X	X	X
52180	5501684381	LVW 3.5-C-1.0-20210804-0147	550-168438-14	8/4/2021	Stage 2A	Water	X	X	X
52180	5501684381	LVW 3.5-C-1.0-20210804-0247	550-168438-15	8/4/2021	Stage 2A	Water	X	X	X
52180	5501684381	LVW 3.5-C-1.0-20210804-0347	550-168438-16	8/4/2021	Stage 2A	Water	X	X	X
52180	5501684381	LVW 3.5-C-1.0-20210804-0447	550-168438-17	8/4/2021	Stage 2A	Water	X	X	X
52180	5501684381	LVW 3.5-C-1.0-20210804-0547	550-168438-18	8/4/2021	Stage 2A	Water	X	X	X

**Table I. Sample Cross Reference**

<b>LDC</b>	<b>SDG</b>	<b>Client Sample ID</b>	<b>Lab ID</b>	<b>Sample Date</b>	<b>Validation Level</b>	<b>Matrix</b>	<b>Chlorate (300.1B)</b>	<b>Perchlorate (314.0)</b>	<b>TDS (2540C)</b>
52180	5501684381	LVW 3.5-C-1.0-20210804-0647	550-168438-19	8/4/2021	Stage 2A	Water	X	X	X
52180	5501684381	LVW 3.5-C-1.0-20210804-0747	550-168438-20	8/4/2021	Stage 2A	Water	X	X	X
52180	5501684381	LVW 3.5-C-1.0-20210804-0847	550-168438-21	8/4/2021	Stage 2A	Water	X	X	X
52180	5501684381	LVW 3.5-C-1.0-20210804-0947	550-168438-22	8/4/2021	Stage 2A	Water	X	X	X
52180	5501684381	LVW 3.5-C-1.0-20210804-1047	550-168438-23	8/4/2021	Stage 2A	Water	X	X	X
52180	5501684381	LVW 3.5-C-1.0-20210804-1147	550-168438-24	8/4/2021	Stage 2A	Water	X	X	X
52180	5501685461	LVW 3.5-S-1.0-20210803-1311	550-168546-1	8/3/2021	Stage 2A	Water	X	X	X
52180	5501685461	LVW 3.5-S-1.0-20210803-1411	550-168546-2	8/3/2021	Stage 2A	Water	X	X	X
52180	5501685461	LVW 3.5-S-1.0-20210803-1511	550-168546-3	8/3/2021	Stage 2A	Water	X	X	X
52180	5501685461	LVW 3.5-S-1.0-20210803-1611	550-168546-4	8/3/2021	Stage 2A	Water	X	X	X
52180	5501685461	LVW 3.5-S-1.0-20210803-1711	550-168546-5	8/3/2021	Stage 2A	Water	X	X	X
52180	5501685461	LVW 3.5-S-1.0-20210803-1811	550-168546-6	8/3/2021	Stage 2A	Water	X	X	X
52180	5501685461	LVW 3.5-S-1.0-20210803-1911	550-168546-7	8/3/2021	Stage 2A	Water	X	X	X
52180	5501685461	LVW 3.5-S-1.0-20210803-2011	550-168546-8	8/3/2021	Stage 2A	Water	X	X	X
52180	5501685461	LVW 3.5-S-1.0-20210803-2111	550-168546-9	8/3/2021	Stage 2A	Water		X	
52180	5501685771	LVW 4.2-N-0.5-20210803-11	550-168577-1	8/3/2021	Stage 2A	Water	X	X	X
52180	5501685771	LVW 4.2-N-0.5-20210803-12	550-168577-2	8/3/2021	Stage 2A	Water	X	X	X
52180	5501685771	LVW 4.2-N-0.5-20210803-13	550-168577-3	8/3/2021	Stage 2A	Water	X	X	X
52180	5501685771	LVW 4.2-N-0.5-20210803-14	550-168577-4	8/3/2021	Stage 2A	Water	X	X	X
52180	5501685771	LVW 4.2-N-0.5-20210803-15	550-168577-5	8/3/2021	Stage 2A	Water	X	X	X
52180	5501685771	LVW 4.2-N-0.5-20210803-16	550-168577-6	8/3/2021	Stage 2A	Water	X	X	X
52180	5501685771	LVW 4.2-N-0.5-20210803-17	550-168577-7	8/3/2021	Stage 2A	Water	X	X	X
52180	5501685771	LVW 4.2-N-0.5-20210803-18	550-168577-8	8/3/2021	Stage 2A	Water	X	X	X
52180	5501685771	LVW 4.2-N-0.5-20210803-19	550-168577-9	8/3/2021	Stage 2A	Water	X	X	X
52180	5501685771	LVW 4.2-N-0.5-20210803-20	550-168577-10	8/3/2021	Stage 2A	Water	X	X	X
52180	5501685771	LVW 4.2-N-0.5-20210803-21	550-168577-11	8/3/2021	Stage 2A	Water	X	X	X
52180	5501685771	LVW 4.2-N-0.5-20210803-22	550-168577-12	8/3/2021	Stage 2A	Water	X	X	X
52180	5501685771	LVW 4.2-N-0.5-20210803-23	550-168577-13	8/3/2021	Stage 2A	Water	X	X	X
52180	5501685771	LVW 4.2-N-0.5-20210804-00	550-168577-14	8/4/2021	Stage 2A	Water	X	X	X
52180	5501685771	LVW 4.2-N-0.5-20210804-01	550-168577-15	8/4/2021	Stage 2A	Water	X	X	X
52180	5501685771	LVW 4.2-N-0.5-20210804-02	550-168577-16	8/4/2021	Stage 2A	Water	X	X	X
52180	5501685771	LVW 4.2-N-0.5-20210804-03	550-168577-17	8/4/2021	Stage 2A	Water	X	X	X
52180	5501685771	LVW 4.2-N-0.5-20210804-04	550-168577-18	8/4/2021	Stage 2A	Water	X	X	X
52180	5501685771	LVW 4.2-N-0.5-20210804-05	550-168577-19	8/4/2021	Stage 2A	Water	X	X	X

**Table I. Sample Cross Reference**

<b>LDC</b>	<b>SDG</b>	<b>Client Sample ID</b>	<b>Lab ID</b>	<b>Sample Date</b>	<b>Validation Level</b>	<b>Matrix</b>	<b>Chlorate (300.1B)</b>	<b>Perchlorate (314.0)</b>	<b>TDS (2540C)</b>
52180	5501685771	LVW 4.2-N-0.5-20210804-06	550-168577-20	8/4/2021	Stage 2A	Water	X	X	X
52180	5501685771	LVW 4.2-N-0.5-20210804-07	550-168577-21	8/4/2021	Stage 2A	Water	X	X	X
52180	5501685771	LVW 4.2-N-0.5-20210804-08	550-168577-22	8/4/2021	Stage 2A	Water	X	X	X
52180	5501685771	LVW 4.2-N-0.5-20210804-09	550-168577-23	8/4/2021	Stage 2A	Water	X	X	X
52180	5501685771	LVW 4.2-N-0.5-20210804-10	550-168577-24	8/4/2021	Stage 2A	Water	X	X	X
52180	5501685781	LVW 7.2-2.0-20210803-12	550-168578-1	8/3/2021	Stage 2A	Water	X	X	X
52180	5501685781	LVW 7.2-2.0-20210803-13	550-168578-2	8/3/2021	Stage 2A	Water	X	X	X
52180	5501685781	LVW 7.2-2.0-20210803-14	550-168578-3	8/3/2021	Stage 2A	Water	X	X	X
52180	5501685781	LVW 7.2-2.0-20210803-15	550-168578-4	8/3/2021	Stage 2A	Water	X	X	X
52180	5501685781	LVW 7.2-2.0-20210803-16	550-168578-5	8/3/2021	Stage 2A	Water	X	X	X
52180	5501685781	LVW 7.2-2.0-20210803-17	550-168578-6	8/3/2021	Stage 2A	Water	X	X	X
52180	5501685781	LVW 7.2-2.0-20210803-18	550-168578-7	8/3/2021	Stage 2A	Water	X	X	X
52180	5501685781	LVW 7.2-2.0-20210803-19	550-168578-8	8/3/2021	Stage 2A	Water	X	X	X
52180	5501685781	LVW 7.2-2.0-20210803-20	550-168578-9	8/3/2021	Stage 2A	Water	X	X	X
52180	5501685781	LVW 7.2-2.0-20210803-21	550-168578-10	8/3/2021	Stage 2A	Water	X	X	X
52180	5501685781	LVW 7.2-2.0-20210803-22	550-168578-12	8/3/2021	Stage 2A	Water	X	X	X
52180	5501685781	LVW 7.2-2.0-20210803-23	550-168578-13	8/3/2021	Stage 2A	Water	X	X	X
52180	5501685781	LVW 7.2-2.0-20210804-00	550-168578-14	8/4/2021	Stage 2A	Water	X	X	X
52180	5501685781	LVW 7.2-2.0-20210804-01	550-168578-15	8/4/2021	Stage 2A	Water	X	X	X
52180	5501685781	LVW 7.2-2.0-20210804-11	550-168578-11	8/4/2021	Stage 2A	Water	X	X	X
52180	5501685841	LVW 6.05-0.3-20210804-07	550-168584-1	8/4/2021	Stage 2A	Water	X	X	X
52180	5501685841	LVW 6.05-0.3-20210804-08	550-168584-2	8/4/2021	Stage 2A	Water	X	X	X
52180	5501685841	LVW 6.05-0.3-20210804-09	550-168584-3	8/4/2021	Stage 2A	Water	X	X	X
52180	5501685841	LVW 6.05-0.3-20210804-10	550-168584-4	8/4/2021	Stage 2A	Water	X	X	X
52180	5501685841	LVW 6.05-0.3-20210804-11	550-168584-5	8/4/2021	Stage 2A	Water	X	X	X
52180	5501685841	LVW 6.05-0.3-20210804-12	550-168584-6	8/4/2021	Stage 2A	Water	X	X	X
52180	5501685841	LVW 6.05-0.3-20210804-13	550-168584-7	8/4/2021	Stage 2A	Water	X	X	X
52180	5501685841	LVW 6.05-0.3-20210804-14	550-168584-8	8/4/2021	Stage 2A	Water	X	X	X
52180	5501685841	LVW 6.05-0.3-20210804-15	550-168584-9	8/4/2021	Stage 2A	Water	X	X	X
52180	5501685841	LVW 6.05-0.3-20210804-16	550-168584-10	8/4/2021	Stage 2A	Water	X	X	X
52180	5501685841	LVW 6.05-0.3-20210804-17	550-168584-11	8/4/2021	Stage 2A	Water	X	X	X
52180	5501685841	LVW 6.05-0.3-20210804-18	550-168584-12	8/4/2021	Stage 2A	Water	X	X	X
52180	5501685841	LVW 6.05-0.3-20210804-19	550-168584-13	8/4/2021	Stage 2A	Water	X	X	X
52180	5501685841	LVW 6.05-0.3-20210804-20	550-168584-14	8/4/2021	Stage 2A	Water	X	X	X

Table I. Sample Cross Reference

LDC	SDG	Client Sample ID	Lab ID	Sample Date	Validation Level	Matrix	Chlorate (300.1B)	Perchlorate (314.0)	TDS (2540C)
52180	5501685841	LVW 6.05-0.3-20210804-21	550-168584-15	8/4/2021	Stage 2A	Water	X	X	X
52180	5501685841	LVW 6.05-0.3-20210804-22	550-168584-16	8/4/2021	Stage 2A	Water	X	X	X
52180	5501685841	LVW 6.05-0.3-20210804-23	550-168584-17	8/4/2021	Stage 2A	Water	X	X	X
52180	5501685841	LVW 6.05-0.3-20210805-00	550-168584-18	8/5/2021	Stage 2A	Water	X	X	X
52180	5501685841	LVW 6.05-0.3-20210805-01	550-168584-19	8/5/2021	Stage 2A	Water	X	X	X
52180	5501685841	LVW 6.05-0.3-20210805-02	550-168584-20	8/5/2021	Stage 2A	Water	X	X	X
52180	5501685841	LVW 6.05-0.3-20210805-03	550-168584-21	8/5/2021	Stage 2A	Water	X	X	X
52180	5501685841	LVW 6.05-0.3-20210805-04	550-168584-22	8/5/2021	Stage 2A	Water	X	X	X
52180	5501685841	LVW 6.05-0.3-20210805-05	550-168584-23	8/5/2021	Stage 2A	Water	X	X	X
52180	5501685841	LVW 6.05-0.3-20210805-06	550-168584-24	8/5/2021	Stage 2A	Water	X	X	X
52180	5501685861	LVW 4.2-S-0.5-20210804-07	550-168586-1	8/4/2021	Stage 2A	Water	X	X	X
52180	5501685861	LVW 4.2-S-0.5-20210804-08	550-168586-2	8/4/2021	Stage 2A	Water	X	X	X
52180	5501685861	LVW 4.2-S-0.5-20210804-09	550-168586-3	8/4/2021	Stage 2A	Water	X	X	X
52180	5501685861	LVW 4.2-S-0.5-20210804-10	550-168586-4	8/4/2021	Stage 2A	Water	X	X	X
52180	5501685861	LVW 4.2-S-0.5-20210804-11	550-168586-5	8/4/2021	Stage 2A	Water	X	X	X
52180	5501685861	LVW 4.2-S-0.5-20210804-12	550-168586-6	8/4/2021	Stage 2A	Water	X	X	X
52180	5501685861	LVW 4.2-S-0.5-20210804-13	550-168586-7	8/4/2021	Stage 2A	Water	X	X	X
52180	5501685861	LVW 4.2-S-0.5-20210804-14	550-168586-8	8/4/2021	Stage 2A	Water	X	X	X
52180	5501685861	LVW 4.2-S-0.5-20210804-15	550-168586-9	8/4/2021	Stage 2A	Water	X	X	X
52180	5501685861	LVW 4.2-S-0.5-20210804-16	550-168586-10	8/4/2021	Stage 2A	Water	X	X	X
52180	5501685861	LVW 4.2-S-0.5-20210804-17	550-168586-11	8/4/2021	Stage 2A	Water	X	X	X
52180	5501685861	LVW 4.2-S-0.5-20210804-18	550-168586-12	8/4/2021	Stage 2A	Water	X	X	X
52180	5501685861	LVW 4.2-S-0.5-20210804-19	550-168586-13	8/4/2021	Stage 2A	Water	X	X	X
52180	5501685861	LVW 4.2-S-0.5-20210804-20	550-168586-14	8/4/2021	Stage 2A	Water	X	X	X
52180	5501685861	LVW 4.2-S-0.5-20210804-21	550-168586-15	8/4/2021	Stage 2A	Water	X	X	X
52180	5501685861	LVW 4.2-S-0.5-20210804-22	550-168586-16	8/4/2021	Stage 2A	Water	X	X	X
52180	5501685861	LVW 4.2-S-0.5-20210804-23	550-168586-17	8/4/2021	Stage 2A	Water	X	X	X
52180	5501685861	LVW 4.2-S-0.5-20210805-00	550-168586-18	8/5/2021	Stage 2A	Water	X	X	X
52180	5501685861	LVW 4.2-S-0.5-20210805-01	550-168586-19	8/5/2021	Stage 2A	Water	X	X	X
52180	5501685861	LVW 4.2-S-0.5-20210805-02	550-168586-20	8/5/2021	Stage 2A	Water	X	X	X
52180	5501685861	LVW 4.2-S-0.5-20210805-03	550-168586-21	8/5/2021	Stage 2A	Water	X	X	X
52180	5501685861	LVW 4.2-S-0.5-20210805-04	550-168586-22	8/5/2021	Stage 2A	Water	X	X	X
52180	5501685861	LVW 4.2-S-0.5-20210805-05	550-168586-23	8/5/2021	Stage 2A	Water	X	X	X
52180	5501685861	LVW 4.2-S-0.5-20210805-06	550-168586-24	8/5/2021	Stage 2A	Water	X	X	X

**Table I. Sample Cross Reference**

<b>LDC</b>	<b>SDG</b>	<b>Client Sample ID</b>	<b>Lab ID</b>	<b>Sample Date</b>	<b>Validation Level</b>	<b>Matrix</b>	<b>Chlorate (300.1B)</b>	<b>Perchlorate (314.0)</b>	<b>TDS (2540C)</b>
52180	5501685871	LVW 5.3-S-1.0-20210804-08	550-168587-1	8/4/2021	Stage 2A	Water	X	X	X
52180	5501685871	LVW 5.3-S-1.0-20210804-09	550-168587-2	8/4/2021	Stage 2A	Water	X	X	X
52180	5501685871	LVW 5.3-S-1.0-20210804-10	550-168587-3	8/4/2021	Stage 2A	Water	X	X	X
52180	5501685871	LVW 5.3-S-1.0-20210804-11	550-168587-4	8/4/2021	Stage 2A	Water	X	X	X
52180	5501685871	LVW 5.3-S-1.0-20210804-12	550-168587-5	8/4/2021	Stage 2A	Water	X	X	X
52180	5501685871	LVW 5.3-S-1.0-20210804-13	550-168587-6	8/4/2021	Stage 2A	Water	X	X	X
52180	5501685871	LVW 5.3-S-1.0-20210804-14	550-168587-7	8/4/2021	Stage 2A	Water	X	X	X
52180	5501685871	LVW 5.3-S-1.0-20210804-15	550-168587-8	8/4/2021	Stage 2A	Water	X	X	X
52180	5501685871	LVW 5.3-S-1.0-20210804-16	550-168587-9	8/4/2021	Stage 2A	Water	X	X	X
52180	5501685871	LVW 5.3-S-1.0-20210804-17	550-168587-10	8/4/2021	Stage 2A	Water	X	X	X
52180	5501685871	LVW 5.3-S-1.0-20210804-18	550-168587-11	8/4/2021	Stage 2A	Water	X	X	X
52180	5501685871	LVW 5.3-S-1.0-20210804-19	550-168587-12	8/4/2021	Stage 2A	Water	X	X	X
52180	5501685871	LVW 5.3-S-1.0-20210804-20	550-168587-13	8/4/2021	Stage 2A	Water	X	X	X
52180	5501685871	LVW 5.3-S-1.0-20210804-21	550-168587-14	8/4/2021	Stage 2A	Water	X	X	X
52180	5501685871	LVW 5.3-S-1.0-20210804-22	550-168587-15	8/4/2021	Stage 2A	Water	X	X	X
52180	5501685871	LVW 5.3-S-1.0-20210804-23	550-168587-16	8/4/2021	Stage 2A	Water	X	X	X
52180	5501685871	LVW 5.3-S-1.0-20210805-00	550-168587-17	8/5/2021	Stage 2A	Water	X	X	X
52180	5501685871	LVW 5.3-S-1.0-20210805-01	550-168587-18	8/5/2021	Stage 2A	Water	X	X	X
52180	5501685871	LVW 5.3-S-1.0-20210805-02	550-168587-19	8/5/2021	Stage 2A	Water	X	X	X
52180	5501685871	LVW 5.3-S-1.0-20210805-03	550-168587-20	8/5/2021	Stage 2A	Water	X	X	X
52180	5501685871	LVW 5.3-S-1.0-20210805-04	550-168587-21	8/5/2021	Stage 2A	Water	X	X	X
52180	5501685871	LVW 5.3-S-1.0-20210805-05	550-168587-22	8/5/2021	Stage 2A	Water	X	X	X
52180	5501685871	LVW 5.3-S-1.0-20210805-06	550-168587-23	8/5/2021	Stage 2A	Water	X	X	X
52180	5501685871	LVW 5.3-S-1.0-20210805-07	550-168587-24	8/5/2021	Stage 2A	Water	X	X	X
52180	5501686011	LVW 5.3-C-1.0-20210804-11	550-168601-1	8/4/2021	Stage 2A	Water		X	
52180	5501686011	LVW 5.3-C-1.0-20210804-12	550-168601-2	8/4/2021	Stage 2A	Water	X	X	
52180	5501686011	LVW 5.3-C-1.0-20210804-13	550-168601-3	8/4/2021	Stage 2A	Water	X	X	X
52180	5501686011	LVW 5.3-C-1.0-20210804-14	550-168601-4	8/4/2021	Stage 2A	Water	X	X	X
52180	5501686011	LVW 5.3-C-1.0-20210804-15	550-168601-5	8/4/2021	Stage 2A	Water	X	X	X
52180	5501686011	LVW 5.3-C-1.0-20210804-16	550-168601-6	8/4/2021	Stage 2A	Water	X	X	X
52180	5501686011	LVW 5.3-C-1.0-20210804-17	550-168601-7	8/4/2021	Stage 2A	Water	X	X	X
52180	5501686011	LVW 5.3-C-1.0-20210804-18	550-168601-8	8/4/2021	Stage 2A	Water	X	X	X
52180	5501686011	LVW 5.3-C-1.0-20210804-19	550-168601-9	8/4/2021	Stage 2A	Water	X	X	X
52180	5501686011	LVW 5.3-C-1.0-20210804-20	550-168601-10	8/4/2021	Stage 2A	Water	X	X	X

**Table I. Sample Cross Reference**

<b>LDC</b>	<b>SDG</b>	<b>Client Sample ID</b>	<b>Lab ID</b>	<b>Sample Date</b>	<b>Validation Level</b>	<b>Matrix</b>	<b>Chlorate (300.1B)</b>	<b>Perchlorate (314.0)</b>	<b>TDS (2540C)</b>
52180	5501686011	LVW 5.3-C-1.0-20210804-21	550-168601-11	8/4/2021	Stage 2A	Water	X	X	X
52180	5501686011	LVW 5.3-C-1.0-20210804-22	550-168601-12	8/4/2021	Stage 2A	Water	X	X	X
52180	5501686011	LVW 5.3-C-1.0-20210804-23	550-168601-13	8/4/2021	Stage 2A	Water	X	X	X
52180	5501686011	LVW 5.3-C-1.0-20210805-00	550-168601-14	8/5/2021	Stage 2A	Water	X	X	X
52180	5501686011	LVW 5.3-C-1.0-20210805-01	550-168601-15	8/5/2021	Stage 2A	Water	X	X	X
52180	5501686011	LVW 5.3-C-1.0-20210805-02	550-168601-16	8/5/2021	Stage 2A	Water	X	X	X
52180	5501686011	LVW 5.3-C-1.0-20210805-03	550-168601-17	8/5/2021	Stage 2A	Water	X	X	X
52180	5501686011	LVW 5.3-C-1.0-20210805-04	550-168601-18	8/5/2021	Stage 2A	Water	X	X	X
52180	5501686011	LVW 5.3-C-1.0-20210805-05	550-168601-19	8/5/2021	Stage 2A	Water	X	X	X
52180	5501686011	LVW 5.3-C-1.0-20210805-08	550-168601-20	8/5/2021	Stage 2A	Water	X	X	
52180	5501686021	LVW 3.5-N-2.0-20210804-12	550-168602-1	8/4/2021	Stage 2A	Water	X	X	X
52180	5501686021	LVW 3.5-N-2.0-20210804-13	550-168602-2	8/4/2021	Stage 2A	Water	X	X	X
52180	5501686021	LVW 3.5-N-2.0-20210804-14	550-168602-3	8/4/2021	Stage 2A	Water	X	X	X
52180	5501686021	LVW 3.5-N-2.0-20210804-15	550-168602-4	8/4/2021	Stage 2A	Water	X	X	X
52180	5501686021	LVW 3.5-N-2.0-20210804-16	550-168602-5	8/4/2021	Stage 2A	Water	X	X	X
52180	5501686021	LVW 3.5-N-2.0-20210804-17	550-168602-6	8/4/2021	Stage 2A	Water	X	X	X
52180	5501686021	LVW 3.5-N-2.0-20210804-18	550-168602-7	8/4/2021	Stage 2A	Water	X	X	X
52180	5501686021	LVW 3.5-N-2.0-20210804-19	550-168602-8	8/4/2021	Stage 2A	Water	X	X	X
52180	5501686021	LVW 3.5-N-2.0-20210804-20	550-168602-9	8/4/2021	Stage 2A	Water	X	X	X
52180	5501686021	LVW 3.5-N-2.0-20210804-21	550-168602-10	8/4/2021	Stage 2A	Water	X	X	X
52180	5501686021	LVW 3.5-N-2.0-20210804-22	550-168602-11	8/4/2021	Stage 2A	Water	X	X	X
52180	5501686021	LVW 3.5-N-2.0-20210804-23	550-168602-12	8/4/2021	Stage 2A	Water	X	X	X
52180	5501686021	LVW 3.5-N-2.0-20210805-00	550-168602-13	8/5/2021	Stage 2A	Water	X	X	X
52180	5501686021	LVW 3.5-N-2.0-20210805-01	550-168602-14	8/5/2021	Stage 2A	Water	X	X	X
52180	5501686021	LVW 3.5-N-2.0-20210805-02	550-168602-15	8/5/2021	Stage 2A	Water	X	X	X
52180	5501686021	LVW 3.5-N-2.0-20210805-03	550-168602-16	8/5/2021	Stage 2A	Water	X	X	X
52180	5501686021	LVW 3.5-N-2.0-20210805-04	550-168602-17	8/5/2021	Stage 2A	Water	X	X	X
52180	5501686021	LVW 3.5-N-2.0-20210805-05	550-168602-18	8/5/2021	Stage 2A	Water	X	X	X
52180	5501686021	LVW 3.5-N-2.0-20210805-06	550-168602-19	8/5/2021	Stage 2A	Water	X	X	X
52180	5501686021	LVW 3.5-N-2.0-20210805-07	550-168602-20	8/5/2021	Stage 2A	Water	X	X	X
52180	5501686021	LVW 3.5-N-2.0-20210805-08	550-168602-21	8/5/2021	Stage 2A	Water	X	X	X
52180	5501686021	LVW 3.5-N-2.0-20210805-09	550-168602-22	8/5/2021	Stage 2A	Water	X	X	X
52180	5501686021	LVW 3.5-N-2.0-20210805-10	550-168602-23	8/5/2021	Stage 2A	Water	X	X	X
52180	5501686021	LVW 3.5-N-2.0-20210805-11	550-168602-24	8/5/2021	Stage 2A	Water	X	X	X



**Table I. Sample Cross Reference**

<b>LDC</b>	<b>SDG</b>	<b>Client Sample ID</b>	<b>Lab ID</b>	<b>Sample Date</b>	<b>Validation Level</b>	<b>Matrix</b>	<b>Chlorate (300.1B)</b>	<b>Perchlorate (314.0)</b>	<b>TDS (2540C)</b>
52180	5501686031	LVW 4.2-C-1.5-20210803-08	550-168603-1	8/3/2021	Stage 2A	Water	X	X	X
52180	5501686031	LVW 4.2-C-1.5-20210803-09	550-168603-2	8/3/2021	Stage 2A	Water	X	X	X
52180	5501686031	LVW 4.2-C-1.5-20210803-10	550-168603-3	8/3/2021	Stage 2A	Water	X	X	X
52180	5501686031	LVW 4.2-C-1.5-20210803-11	550-168603-4	8/3/2021	Stage 2A	Water	X	X	X
52180	5501686031	LVW 4.2-C-1.5-20210803-12	550-168603-5	8/3/2021	Stage 2A	Water	X	X	X
52180	5501686031	LVW 4.2-C-1.5-20210803-13	550-168603-6	8/3/2021	Stage 2A	Water	X	X	X
52180	5501686031	LVW 4.2-C-1.5-20210803-14	550-168603-7	8/3/2021	Stage 2A	Water	X	X	X
52180	5501686031	LVW 4.2-C-1.5-20210803-15	550-168603-8	8/3/2021	Stage 2A	Water	X	X	X
52180	5501686031	LVW 4.2-C-1.5-20210803-16	550-168603-9	8/3/2021	Stage 2A	Water	X	X	X
52180	5501686031	LVW 4.2-C-1.5-20210803-17	550-168603-10	8/3/2021	Stage 2A	Water	X	X	X
52180	5501686031	LVW 4.2-C-1.5-20210803-18	550-168603-11	8/3/2021	Stage 2A	Water	X	X	X
52180	5501686031	LVW 4.2-C-1.5-20210803-19	550-168603-12	8/3/2021	Stage 2A	Water	X	X	X
52180	5501686031	LVW 4.2-C-1.5-20210803-20	550-168603-13	8/3/2021	Stage 2A	Water	X	X	X
52180	5501686031	LVW 4.2-C-1.5-20210803-21	550-168603-14	8/3/2021	Stage 2A	Water	X	X	X
52180	5501686031	LVW 4.2-C-1.5-20210803-22	550-168603-15	8/3/2021	Stage 2A	Water	X	X	X
52180	5501686031	LVW 4.2-C-1.5-20210803-23	550-168603-16	8/3/2021	Stage 2A	Water	X	X	X
52180	5501686031	LVW 4.2-C-1.5-20210804-00	550-168603-17	8/4/2021	Stage 2A	Water	X	X	X
52180	5501686031	LVW 4.2-C-1.5-20210804-01	550-168603-18	8/4/2021	Stage 2A	Water	X	X	X
52180	5501686031	LVW 4.2-C-1.5-20210804-02	550-168603-19	8/4/2021	Stage 2A	Water	X	X	X
52180	5501686031	LVW 4.2-C-1.5-20210804-03	550-168603-20	8/4/2021	Stage 2A	Water	X	X	X
52180	5501686031	LVW 4.2-C-1.5-20210804-04	550-168603-21	8/4/2021	Stage 2A	Water	X	X	X
52180	5501686031	LVW 4.2-C-1.5-20210804-05	550-168603-22	8/4/2021	Stage 2A	Water	X	X	X
52180	5501686031	LVW 4.2-C-1.5-20210804-06	550-168603-23	8/4/2021	Stage 2A	Water	X	X	X
52180	5501686031	LVW 4.2-C-1.5-20210804-07	550-168603-24	8/4/2021	Stage 2A	Water	X	X	X
52180	5501686621	LVW 4.2-S-0.5-20210803-07	550-168662-1	8/3/2021	Stage 2A	Water	X	X	X
52180	5501686621	LVW 4.2-S-0.5-20210803-08	550-168662-2	8/3/2021	Stage 2A	Water	X	X	X
52180	5501686621	LVW 4.2-S-0.5-20210803-09	550-168662-3	8/3/2021	Stage 2A	Water	X	X	X
52180	5501686621	LVW 4.2-S-0.5-20210803-10	550-168662-4	8/3/2021	Stage 2A	Water	X	X	X
52180	5501686621	LVW 4.2-S-0.5-20210803-11	550-168662-5	8/3/2021	Stage 2A	Water	X	X	X
52180	5501686621	LVW 4.2-S-0.5-20210803-12	550-168662-6	8/3/2021	Stage 2A	Water	X	X	X
52180	5501686621	LVW 4.2-S-0.5-20210803-13	550-168662-7	8/3/2021	Stage 2A	Water	X	X	X
52180	5501686621	LVW 4.2-S-0.5-20210803-14	550-168662-8	8/3/2021	Stage 2A	Water	X	X	X
52180	5501686621	LVW 4.2-S-0.5-20210803-15	550-168662-9	8/3/2021	Stage 2A	Water	X	X	X
52180	5501686621	LVW 4.2-S-0.5-20210803-16	550-168662-10	8/3/2021	Stage 2A	Water	X	X	X

**Table I. Sample Cross Reference**

<b>LDC</b>	<b>SDG</b>	<b>Client Sample ID</b>	<b>Lab ID</b>	<b>Sample Date</b>	<b>Validation Level</b>	<b>Matrix</b>	<b>Chlorate (300.1B)</b>	<b>Perchlorate (314.0)</b>	<b>TDS (2540C)</b>
52180	5501686621	LVW 4.2-S-0.5-20210803-17	550-168662-11	8/3/2021	Stage 2A	Water	X	X	X
52180	5501686621	LVW 4.2-S-0.5-20210803-18	550-168662-12	8/3/2021	Stage 2A	Water	X	X	X
52180	5501686621	LVW 4.2-S-0.5-20210803-19	550-168662-13	8/3/2021	Stage 2A	Water	X	X	X
52180	5501686621	LVW 4.2-S-0.5-20210803-20	550-168662-14	8/3/2021	Stage 2A	Water	X	X	X
52180	5501686621	LVW 4.2-S-0.5-20210803-21	550-168662-15	8/3/2021	Stage 2A	Water	X	X	X
52180	5501686621	LVW 4.2-S-0.5-20210803-22	550-168662-16	8/3/2021	Stage 2A	Water	X	X	X
52180	5501686621	LVW 4.2-S-0.5-20210803-23	550-168662-17	8/3/2021	Stage 2A	Water	X	X	X
52180	5501686621	LVW 4.2-S-0.5-20210804-00	550-168662-18	8/4/2021	Stage 2A	Water	X	X	X
52180	5501686621	LVW 4.2-S-0.5-20210804-01	550-168662-19	8/4/2021	Stage 2A	Water	X	X	X
52180	5501686621	LVW 4.2-S-0.5-20210804-02	550-168662-20	8/4/2021	Stage 2A	Water	X	X	X
52180	5501686621	LVW 4.2-S-0.5-20210804-03	550-168662-21	8/4/2021	Stage 2A	Water	X	X	X
52180	5501686621	LVW 4.2-S-0.5-20210804-04	550-168662-22	8/4/2021	Stage 2A	Water	X	X	X
52180	5501686621	LVW 4.2-S-0.5-20210804-05	550-168662-23	8/4/2021	Stage 2A	Water	X	X	X
52180	5501686621	LVW 4.2-S-0.5-20210804-06	550-168662-24	8/4/2021	Stage 2A	Water	X	X	X
52180	5501686631	LVW 5.3-N-0.5-20210805-10	550-168663-1	8/5/2021	Stage 2A	Water	X	X	X
52180	5501686631	LVW 5.3-N-0.5-20210805-11	550-168663-2	8/5/2021	Stage 2A	Water	X	X	X
52180	5501686631	LVW 5.3-N-0.5-20210805-12	550-168663-3	8/5/2021	Stage 2A	Water	X	X	X
52180	5501686631	LVW 5.3-N-0.5-20210805-13	550-168663-4	8/5/2021	Stage 2A	Water	X	X	X
52180	5501686631	LVW 5.3-N-0.5-20210805-14	550-168663-5	8/5/2021	Stage 2A	Water	X	X	X
52180	5501686631	LVW 5.3-N-0.5-20210805-15	550-168663-6	8/5/2021	Stage 2A	Water	X	X	X
52180	5501686631	LVW 5.3-N-0.5-20210805-16	550-168663-7	8/5/2021	Stage 2A	Water	X	X	X
52180	5501686631	LVW 5.3-N-0.5-20210805-17	550-168663-8	8/5/2021	Stage 2A	Water	X	X	X
52180	5501686631	LVW 5.3-N-0.5-20210805-18	550-168663-9	8/5/2021	Stage 2A	Water	X	X	X
52180	5501686631	LVW 5.3-N-0.5-20210805-19	550-168663-10	8/5/2021	Stage 2A	Water	X	X	X
52180	5501686631	LVW 5.3-N-0.5-20210805-20	550-168663-11	8/5/2021	Stage 2A	Water	X	X	X
52180	5501686631	LVW 5.3-N-0.5-20210805-21	550-168663-12	8/5/2021	Stage 2A	Water	X	X	X
52180	5501686631	LVW 5.3-N-0.5-20210805-22	550-168663-18	8/5/2021	Stage 2A	Water	X	X	X
52180	5501686631	LVW 5.3-N-0.5-20210805-23	550-168663-19	8/5/2021	Stage 2A	Water	X	X	X
52180	5501686631	LVW 5.3-N-0.5-20210806-00	550-168663-13	8/6/2021	Stage 2A	Water	X	X	X
52180	5501686631	LVW 5.3-N-0.5-20210806-01	550-168663-14	8/6/2021	Stage 2A	Water	X	X	X
52180	5501686631	LVW 5.3-N-0.5-20210806-02	550-168663-15	8/6/2021	Stage 2A	Water	X	X	X
52180	5501686641	LVW 3.5-C-1.0-20210804-12	550-168664-1	8/4/2021	Stage 2A	Water	X	X	X
52180	5501686641	LVW 3.5-C-1.0-20210804-13	550-168664-2	8/4/2021	Stage 2A	Water	X	X	X
52180	5501686641	LVW 3.5-C-1.0-20210804-14	550-168664-3	8/4/2021	Stage 2A	Water	X	X	X

**Table I. Sample Cross Reference**

<b>LDC</b>	<b>SDG</b>	<b>Client Sample ID</b>	<b>Lab ID</b>	<b>Sample Date</b>	<b>Validation Level</b>	<b>Matrix</b>	<b>Chlorate (300.1B)</b>	<b>Perchlorate (314.0)</b>	<b>TDS (2540C)</b>
52180	5501686641	LVW 3.5-C-1.0-20210804-15	550-168664-4	8/4/2021	Stage 2A	Water	X	X	X
52180	5501686641	LVW 3.5-C-1.0-20210804-16	550-168664-5	8/4/2021	Stage 2A	Water	X	X	X
52180	5501686641	LVW 3.5-C-1.0-20210804-17	550-168664-6	8/4/2021	Stage 2A	Water	X	X	X
52180	5501686641	LVW 3.5-C-1.0-20210804-18	550-168664-7	8/4/2021	Stage 2A	Water	X	X	X
52180	5501686641	LVW 3.5-C-1.0-20210804-19	550-168664-8	8/4/2021	Stage 2A	Water	X	X	X
52180	5501686641	LVW 3.5-C-1.0-20210804-20	550-168664-9	8/4/2021	Stage 2A	Water	X	X	X
52180	5501686641	LVW 3.5-C-1.0-20210804-21	550-168664-10	8/4/2021	Stage 2A	Water	X	X	X
52180	5501686641	LVW 3.5-C-1.0-20210804-22	550-168664-11	8/4/2021	Stage 2A	Water	X	X	X
52180	5501686641	LVW 3.5-C-1.0-20210804-23	550-168664-12	8/4/2021	Stage 2A	Water	X	X	X
52180	5501686641	LVW 3.5-C-1.0-20210805-00	550-168664-13	8/5/2021	Stage 2A	Water	X	X	X
52180	5501686641	LVW 3.5-C-1.0-20210805-01	550-168664-14	8/5/2021	Stage 2A	Water	X	X	X
52180	5501686641	LVW 3.5-C-1.0-20210805-02	550-168664-15	8/5/2021	Stage 2A	Water	X	X	X
52180	5501686641	LVW 3.5-C-1.0-20210805-03	550-168664-16	8/5/2021	Stage 2A	Water	X	X	X
52180	5501686641	LVW 3.5-C-1.0-20210805-04	550-168664-17	8/5/2021	Stage 2A	Water	X	X	X
52180	5501686641	LVW 3.5-C-1.0-20210805-05	550-168664-18	8/5/2021	Stage 2A	Water	X	X	X
52180	5501686641	LVW 3.5-C-1.0-20210805-06	550-168664-19	8/5/2021	Stage 2A	Water	X	X	X
52180	5501686641	LVW 3.5-C-1.0-20210805-07	550-168664-20	8/5/2021	Stage 2A	Water	X	X	X
52180	5501686641	LVW 3.5-C-1.0-20210805-08	550-168664-21	8/5/2021	Stage 2A	Water	X	X	X
52180	5501686641	LVW 3.5-C-1.0-20210805-10	550-168664-22	8/5/2021	Stage 2A	Water	X	X	X
52180	5501686641	LVW 3.5-C-1.0-20210805-11	550-168664-23	8/5/2021	Stage 2A	Water	X	X	X
52180	5501686651	LVW 4.2-N-0.5-20210804-12	550-168665-1	8/4/2021	Stage 2A	Water	X	X	X
52180	5501686651	LVW 4.2-N-0.5-20210804-13	550-168665-2	8/4/2021	Stage 2A	Water	X	X	X
52180	5501686651	LVW 4.2-N-0.5-20210804-14	550-168665-3	8/4/2021	Stage 2A	Water	X	X	X
52180	5501686651	LVW 4.2-N-0.5-20210804-15	550-168665-4	8/4/2021	Stage 2A	Water	X	X	X
52180	5501686651	LVW 4.2-N-0.5-20210804-16	550-168665-5	8/4/2021	Stage 2A	Water	X	X	X
52180	5501686651	LVW 4.2-N-0.5-20210804-17	550-168665-6	8/4/2021	Stage 2A	Water	X	X	X
52180	5501686651	LVW 4.2-N-0.5-20210804-18	550-168665-7	8/4/2021	Stage 2A	Water	X	X	X
52180	5501686651	LVW 4.2-N-0.5-20210804-19	550-168665-8	8/4/2021	Stage 2A	Water	X	X	X
52180	5501686651	LVW 4.2-N-0.5-20210804-20	550-168665-9	8/4/2021	Stage 2A	Water	X	X	X
52180	5501686651	LVW 4.2-N-0.5-20210804-21	550-168665-10	8/4/2021	Stage 2A	Water	X	X	X
52180	5501686651	LVW 4.2-N-0.5-20210804-22	550-168665-11	8/4/2021	Stage 2A	Water	X	X	X
52180	5501686651	LVW 4.2-N-0.5-20210804-23	550-168665-12	8/4/2021	Stage 2A	Water	X	X	X
52180	5501686651	LVW 4.2-N-0.5-20210805-00	550-168665-13	8/5/2021	Stage 2A	Water	X	X	X
52180	5501686651	LVW 4.2-N-0.5-20210805-01	550-168665-14	8/5/2021	Stage 2A	Water	X	X	X

**Table I. Sample Cross Reference**

<b>LDC</b>	<b>SDG</b>	<b>Client Sample ID</b>	<b>Lab ID</b>	<b>Sample Date</b>	<b>Validation Level</b>	<b>Matrix</b>	<b>Chlorate (300.1B)</b>	<b>Perchlorate (314.0)</b>	<b>TDS (2540C)</b>
52180	5501686651	LVW 4.2-N-0.5-20210805-02	550-168665-15	8/5/2021	Stage 2A	Water	X	X	X
52180	5501686651	LVW 4.2-N-0.5-20210805-03	550-168665-16	8/5/2021	Stage 2A	Water	X	X	X
52180	5501686651	LVW 4.2-N-0.5-20210805-04	550-168665-17	8/5/2021	Stage 2A	Water	X	X	X
52180	5501686651	LVW 4.2-N-0.5-20210805-05	550-168665-18	8/5/2021	Stage 2A	Water	X	X	X
52180	5501686651	LVW 4.2-N-0.5-20210805-06	550-168665-19	8/5/2021	Stage 2A	Water	X	X	X
52180	5501686651	LVW 4.2-N-0.5-20210805-07	550-168665-20	8/5/2021	Stage 2A	Water	X	X	X
52180	5501686651	LVW 4.2-N-0.5-20210805-08	550-168665-21	8/5/2021	Stage 2A	Water	X	X	X
52180	5501686651	LVW 4.2-N-0.5-20210805-09	550-168665-22	8/5/2021	Stage 2A	Water	X	X	X
52180	5501686651	LVW 4.2-N-0.5-20210805-10	550-168665-23	8/5/2021	Stage 2A	Water	X	X	X
52180	5501686651	LVW 4.2-N-0.5-20210805-11	550-168665-24	8/5/2021	Stage 2A	Water	X	X	X
52180	5501686661	LVW 3.5-S-1.0-20210804-12	550-168666-1	8/4/2021	Stage 2A	Water	X	X	X
52180	5501686661	LVW 3.5-S-1.0-20210804-13	550-168666-2	8/4/2021	Stage 2A	Water	X	X	X
52180	5501686661	LVW 3.5-S-1.0-20210804-14	550-168666-3	8/4/2021	Stage 2A	Water	X	X	X
52180	5501686661	LVW 3.5-S-1.0-20210804-15	550-168666-4	8/4/2021	Stage 2A	Water	X	X	X
52180	5501686661	LVW 3.5-S-1.0-20210804-16	550-168666-5	8/4/2021	Stage 2A	Water	X	X	X
52180	5501686661	LVW 3.5-S-1.0-20210804-17	550-168666-6	8/4/2021	Stage 2A	Water	X	X	X
52180	5501686661	LVW 3.5-S-1.0-20210804-18	550-168666-7	8/4/2021	Stage 2A	Water	X	X	X
52180	5501686661	LVW 3.5-S-1.0-20210804-19	550-168666-8	8/4/2021	Stage 2A	Water	X	X	X
52180	5501686661	LVW 3.5-S-1.0-20210804-20	550-168666-9	8/4/2021	Stage 2A	Water	X	X	X
52180	5501686661	LVW 3.5-S-1.0-20210804-21	550-168666-10	8/4/2021	Stage 2A	Water	X	X	X
52180	5501686661	LVW 3.5-S-1.0-20210804-22	550-168666-11	8/4/2021	Stage 2A	Water	X	X	X
52180	5501686661	LVW 3.5-S-1.0-20210804-23	550-168666-12	8/4/2021	Stage 2A	Water	X	X	X
52180	5501686661	LVW 3.5-S-1.0-20210805-00	550-168666-13	8/5/2021	Stage 2A	Water	X	X	X
52180	5501686661	LVW 3.5-S-1.0-20210805-01	550-168666-14	8/5/2021	Stage 2A	Water	X	X	X
52180	5501686661	LVW 3.5-S-1.0-20210805-02	550-168666-15	8/5/2021	Stage 2A	Water	X	X	X
52180	5501686661	LVW 3.5-S-1.0-20210805-03	550-168666-16	8/5/2021	Stage 2A	Water	X	X	X
52180	5501686661	LVW 3.5-S-1.0-20210805-04	550-168666-17	8/5/2021	Stage 2A	Water	X	X	X
52180	5501686661	LVW 3.5-S-1.0-20210805-05	550-168666-18	8/5/2021	Stage 2A	Water	X	X	X
52180	5501686661	LVW 3.5-S-1.0-20210805-06	550-168666-19	8/5/2021	Stage 2A	Water	X	X	X
52180	5501686661	LVW 3.5-S-1.0-20210805-07	550-168666-20	8/5/2021	Stage 2A	Water	X	X	X
52180	5501686661	LVW 3.5-S-1.0-20210805-08	550-168666-21	8/5/2021	Stage 2A	Water	X	X	X
52180	5501686661	LVW 3.5-S-1.0-20210805-09	550-168666-22	8/5/2021	Stage 2A	Water	X	X	X
52180	5501686661	LVW 3.5-S-1.0-20210805-10	550-168666-23	8/5/2021	Stage 2A	Water	X	X	X
52180	5501686661	LVW 3.5-S-1.0-20210805-11	550-168666-24	8/5/2021	Stage 2A	Water	X	X	X

**Table I. Sample Cross Reference**

<b>LDC</b>	<b>SDG</b>	<b>Client Sample ID</b>	<b>Lab ID</b>	<b>Sample Date</b>	<b>Validation Level</b>	<b>Matrix</b>	<b>Chlorate (300.1B)</b>	<b>Perchlorate (314.0)</b>	<b>TDS (2540C)</b>
52180	5501686671	LVW 4.2-C-1.5-20210804-21	550-168667-1	8/5/2021	Stage 2A	Water	X	X	X
52180	5501686671	LVW 4.2-C-1.5-20210804-22	550-168667-2	8/5/2021	Stage 2A	Water	X	X	X
52180	5501686671	LVW 4.2-C-1.5-20210804-23	550-168667-3	8/5/2021	Stage 2A	Water	X	X	X
52180	5501686671	LVW 4.2-C-1.5-20210805-00	550-168667-4	8/5/2021	Stage 2A	Water	X	X	X
52180	5501686671	LVW 4.2-C-1.5-20210805-01	550-168667-5	8/5/2021	Stage 2A	Water	X	X	X
52180	5501686671	LVW 4.2-C-1.5-20210805-02	550-168667-6	8/5/2021	Stage 2A	Water	X	X	X
52180	5501686671	LVW 4.2-C-1.5-20210805-03	550-168667-7	8/5/2021	Stage 2A	Water	X	X	X
52180	5501686671	LVW 4.2-C-1.5-20210805-04	550-168667-8	8/5/2021	Stage 2A	Water	X	X	X
52180	5501686671	LVW 4.2-C-1.5-20210805-05	550-168667-9	8/5/2021	Stage 2A	Water	X	X	X
52180	5501686671	LVW 4.2-C-1.5-20210805-06	550-168667-10	8/5/2021	Stage 2A	Water	X	X	X
52180	5501686671	LVW 4.2-C-1.5-20210805-07	550-168667-11	8/5/2021	Stage 2A	Water	X	X	X
52180	5501686781	LVW 0.55-1.0-20210804-13	550-168678-1	8/4/2021	Stage 2A	Water	X	X	X
52180	5501686781	LVW 0.55-1.0-20210804-14	550-168678-2	8/4/2021	Stage 2A	Water	X	X	X
52180	5501686781	LVW 0.55-1.0-20210804-15	550-168678-3	8/4/2021	Stage 2A	Water	X	X	X
52180	5501686781	LVW 0.55-1.0-20210804-16	550-168678-4	8/4/2021	Stage 2A	Water	X	X	X
52180	5501686781	LVW 0.55-1.0-20210804-17	550-168678-5	8/4/2021	Stage 2A	Water	X	X	X
52180	5501686781	LVW 0.55-1.0-20210804-18	550-168678-6	8/4/2021	Stage 2A	Water	X	X	X
52180	5501686781	LVW 0.55-1.0-20210804-19	550-168678-7	8/4/2021	Stage 2A	Water	X	X	X
52180	5501686781	LVW 0.55-1.0-20210804-20	550-168678-8	8/4/2021	Stage 2A	Water	X	X	X
52180	5501686781	LVW 0.55-1.0-20210804-21	550-168678-9	8/4/2021	Stage 2A	Water	X	X	X
52180	5501686781	LVW 0.55-1.0-20210804-22	550-168678-10	8/4/2021	Stage 2A	Water	X	X	X
52180	5501686781	LVW 0.55-1.0-20210804-23	550-168678-11	8/4/2021	Stage 2A	Water	X	X	X
52180	5501686781	LVW 0.55-1.0-20210805-00	550-168678-12	8/5/2021	Stage 2A	Water	X	X	X
52180	5501686781	LVW 0.55-1.0-20210805-01	550-168678-13	8/5/2021	Stage 2A	Water	X	X	X
52180	5501686781	LVW 0.55-1.0-20210805-02	550-168678-14	8/5/2021	Stage 2A	Water	X	X	X
52180	5501686781	LVW 0.55-1.0-20210805-03	550-168678-15	8/5/2021	Stage 2A	Water	X	X	X
52180	5501686781	LVW 0.55-1.0-20210805-04	550-168678-16	8/5/2021	Stage 2A	Water	X	X	X
52180	5501686781	LVW 0.55-1.0-20210805-05	550-168678-17	8/5/2021	Stage 2A	Water	X	X	X
52180	5501686781	LVW 0.55-1.0-20210805-06	550-168678-18	8/5/2021	Stage 2A	Water	X	X	X
52180	5501686781	LVW 0.55-1.0-20210805-07	550-168678-19	8/5/2021	Stage 2A	Water	X	X	X
52180	5501686781	LVW 0.55-1.0-20210805-08	550-168678-20	8/5/2021	Stage 2A	Water	X	X	X
52180	5501686781	LVW 0.55-1.0-20210805-09	550-168678-21	8/5/2021	Stage 2A	Water	X	X	X
52180	5501686781	LVW 0.55-1.0-20210805-10	550-168678-22	8/5/2021	Stage 2A	Water	X	X	X
52180	5501686781	LVW 0.55-1.0-20210805-11	550-168678-23	8/5/2021	Stage 2A	Water	X	X	X

**Table I. Sample Cross Reference**

<b>LDC</b>	<b>SDG</b>	<b>Client Sample ID</b>	<b>Lab ID</b>	<b>Sample Date</b>	<b>Validation Level</b>	<b>Matrix</b>	<b>Chlorate (300.1B)</b>	<b>Perchlorate (314.0)</b>	<b>TDS (2540C)</b>
52180	5501686781	LVW 0.55-1.0-20210805-12	550-168678-24	8/5/2021	Stage 2A	Water	X	X	X
52180	5501687331	LVW 4.2-C-1.5-20210804-08	550-168733-1	8/4/2021	Stage 2A	Water	X	X	X
52180	5501687331	LVW 4.2-C-1.5-20210804-09	550-168733-2	8/4/2021	Stage 2A	Water	X	X	X
52180	5501687331	LVW 4.2-C-1.5-20210804-10	550-168733-3	8/4/2021	Stage 2A	Water	X	X	X
52180	5501687331	LVW 4.2-C-1.5-20210804-11	550-168733-4	8/4/2021	Stage 2A	Water	X	X	X
52180	5501687331	LVW 4.2-C-1.5-20210804-12	550-168733-5	8/4/2021	Stage 2A	Water	X	X	X
52180	5501687331	LVW 4.2-C-1.5-20210804-13	550-168733-13	8/4/2021	Stage 2A	Water	X	X	X
52180	5501687331	LVW 4.2-C-1.5-20210804-14	550-168733-6	8/4/2021	Stage 2A	Water	X	X	X
52180	5501687331	LVW 4.2-C-1.5-20210804-15	550-168733-7	8/4/2021	Stage 2A	Water	X	X	X
52180	5501687331	LVW 4.2-C-1.5-20210804-16	550-168733-8	8/4/2021	Stage 2A	Water	X	X	X
52180	5501687331	LVW 4.2-C-1.5-20210804-17	550-168733-9	8/4/2021	Stage 2A	Water	X	X	X
52180	5501687331	LVW 4.2-C-1.5-20210804-18	550-168733-10	8/4/2021	Stage 2A	Water	X	X	X
52180	5501687331	LVW 4.2-C-1.5-20210804-19	550-168733-11	8/4/2021	Stage 2A	Water	X	X	X
52180	5501687331	LVW 4.2-C-1.5-20210804-20	550-168733-12	8/4/2021	Stage 2A	Water	X	X	X
53767	5501781611	LVW 0.55-20220130-08	550-178161-1	1/30/2022	Stage 2A	Water	X	X	X
53767	5501781611	LVW 0.55-20220130-09	550-178161-2	1/30/2022	Stage 2A	Water	X	X	X
53767	5501781611	LVW 0.55-20220130-10	550-178161-3	1/30/2022	Stage 2A	Water	X	X	X
53767	5501781611	LVW 0.55-20220130-11	550-178161-4	1/30/2022	Stage 2A	Water	X	X	X
53767	5501781611	LVW 0.55-20220130-12	550-178161-5	1/30/2022	Stage 2A	Water	X	X	X
53767	5501781611	LVW 0.55-20220130-13	550-178161-6	1/30/2022	Stage 2A	Water	X	X	X
53767	5501781611	LVW 0.55-20220130-14	550-178161-7	1/30/2022	Stage 2A	Water	X	X	X
53767	5501781611	LVW 0.55-20220130-15	550-178161-8	1/30/2022	Stage 2A	Water	X	X	X
53767	5501781611	LVW 0.55-20220130-16	550-178161-9	1/30/2022	Stage 2A	Water	X	X	X
53767	5501781611	LVW 0.55-20220130-17	550-178161-10	1/30/2022	Stage 2A	Water	X	X	X
53767	5501781611	LVW 0.55-20220130-18	550-178161-11	1/30/2022	Stage 2A	Water	X	X	X
53767	5501781611	LVW 0.55-20220130-19	550-178161-12	1/30/2022	Stage 2A	Water	X	X	X
53767	5501781611	LVW 0.55-20220130-20	550-178161-13	1/30/2022	Stage 2A	Water	X	X	X
53767	5501781611	LVW 0.55-20220130-21	550-178161-14	1/30/2022	Stage 2A	Water	X	X	X
53767	5501781611	LVW 0.55-20220130-22	550-178161-15	1/30/2022	Stage 2A	Water	X	X	X
53767	5501781611	LVW 0.55-20220130-23	550-178161-16	1/30/2022	Stage 2A	Water	X	X	X
53767	5501781611	LVW 0.55-20220131-00	550-178161-17	1/31/2022	Stage 2A	Water	X	X	X
53767	5501781611	LVW 0.55-20220131-01	550-178161-18	1/31/2022	Stage 2A	Water	X	X	X
53767	5501781611	LVW 0.55-20220131-02	550-178161-19	1/31/2022	Stage 2A	Water	X	X	X
53767	5501781611	LVW 0.55-20220131-03	550-178161-20	1/31/2022	Stage 2A	Water	X	X	X

**Table I. Sample Cross Reference**

<b>LDC</b>	<b>SDG</b>	<b>Client Sample ID</b>	<b>Lab ID</b>	<b>Sample Date</b>	<b>Validation Level</b>	<b>Matrix</b>	<b>Chlorate (300.1B)</b>	<b>Perchlorate (314.0)</b>	<b>TDS (2540C)</b>
53767	5501781611	LVW 0.55-20220131-04	550-178161-21	1/31/2022	Stage 2A	Water	X	X	X
53767	5501781611	LVW 0.55-20220131-05	550-178161-22	1/31/2022	Stage 2A	Water	X	X	X
53767	5501781611	LVW 0.55-20220131-06	550-178161-23	1/31/2022	Stage 2A	Water	X	X	X
53767	5501781611	LVW 0.55-20220131-07	550-178161-24	1/31/2022	Stage 2A	Water	X	X	X
53767	5501781621	LVW 3.5-C-20220130-08	550-178162-1	1/30/2022	Stage 2A	Water	X	X	X
53767	5501781621	LVW 3.5-C-20220130-09	550-178162-2	1/30/2022	Stage 2A	Water	X	X	X
53767	5501781621	LVW 3.5-C-20220130-10	550-178162-3	1/30/2022	Stage 2A	Water	X	X	X
53767	5501781621	LVW 3.5-C-20220130-11	550-178162-4	1/30/2022	Stage 2A	Water	X	X	X
53767	5501781621	LVW 3.5-C-20220130-12	550-178162-5	1/30/2022	Stage 2A	Water	X	X	X
53767	5501781621	LVW 3.5-C-20220130-13	550-178162-6	1/30/2022	Stage 2A	Water	X	X	X
53767	5501781621	LVW 3.5-C-20220130-14	550-178162-7	1/30/2022	Stage 2A	Water	X	X	X
53767	5501781621	LVW 3.5-C-20220130-15	550-178162-8	1/30/2022	Stage 2A	Water	X	X	X
53767	5501781621	LVW 3.5-C-20220130-16	550-178162-9	1/30/2022	Stage 2A	Water	X	X	X
53767	5501781621	LVW 3.5-C-20220130-17	550-178162-10	1/30/2022	Stage 2A	Water	X	X	X
53767	5501781621	LVW 3.5-C-20220130-18	550-178162-11	1/30/2022	Stage 2A	Water	X	X	X
53767	5501781621	LVW 3.5-C-20220130-19	550-178162-12	1/30/2022	Stage 2A	Water	X	X	X
53767	5501781621	LVW 3.5-C-20220130-20	550-178162-13	1/30/2022	Stage 2A	Water	X	X	X
53767	5501781621	LVW 3.5-C-20220130-21	550-178162-14	1/30/2022	Stage 2A	Water	X	X	X
53767	5501781621	LVW 3.5-C-20220130-22	550-178162-15	1/30/2022	Stage 2A	Water	X	X	X
53767	5501781621	LVW 3.5-C-20220130-23	550-178162-16	1/30/2022	Stage 2A	Water	X	X	X
53767	5501781621	LVW 3.5-C-20220131-00	550-178162-17	1/31/2022	Stage 2A	Water	X	X	X
53767	5501781621	LVW 3.5-C-20220131-01	550-178162-18	1/31/2022	Stage 2A	Water	X	X	X
53767	5501781621	LVW 3.5-C-20220131-02	550-178162-19	1/31/2022	Stage 2A	Water	X	X	X
53767	5501781621	LVW 3.5-C-20220131-03	550-178162-20	1/31/2022	Stage 2A	Water	X	X	X
53767	5501781621	LVW 3.5-C-20220131-04	550-178162-21	1/31/2022	Stage 2A	Water	X	X	X
53767	5501781621	LVW 3.5-C-20220131-05	550-178162-22	1/31/2022	Stage 2A	Water	X	X	X
53767	5501781621	LVW 3.5-C-20220131-06	550-178162-23	1/31/2022	Stage 2A	Water	X	X	X
53767	5501781621	LVW 3.5-C-20220131-07	550-178162-24	1/31/2022	Stage 2A	Water	X	X	X
53767	5501781821	LVW 4.2-N-20220130-08	550-178182-1	1/30/2022	Stage 2A	Water	X	X	X
53767	5501781821	LVW 4.2-N-20220130-09	550-178182-2	1/30/2022	Stage 2A	Water	X	X	X
53767	5501781821	LVW 4.2-N-20220130-10	550-178182-3	1/30/2022	Stage 2A	Water	X	X	X
53767	5501781821	LVW 4.2-N-20220130-11	550-178182-4	1/30/2022	Stage 2A	Water	X	X	X
53767	5501781821	LVW 4.2-N-20220130-12	550-178182-5	1/30/2022	Stage 2A	Water	X	X	X
53767	5501781821	LVW 4.2-N-20220130-13	550-178182-6	1/30/2022	Stage 2A	Water	X	X	X

**Table I. Sample Cross Reference**

<b>LDC</b>	<b>SDG</b>	<b>Client Sample ID</b>	<b>Lab ID</b>	<b>Sample Date</b>	<b>Validation Level</b>	<b>Matrix</b>	<b>Chlorate (300.1B)</b>	<b>Perchlorate (314.0)</b>	<b>TDS (2540C)</b>
53767	5501781821	LVW 4.2-N-20220130-14	550-178182-7	1/30/2022	Stage 2A	Water	X	X	X
53767	5501781821	LVW 4.2-N-20220130-15	550-178182-8	1/30/2022	Stage 2A	Water	X	X	X
53767	5501781821	LVW 4.2-N-20220130-16	550-178182-9	1/30/2022	Stage 2A	Water	X	X	X
53767	5501781821	LVW 4.2-N-20220130-17	550-178182-10	1/30/2022	Stage 2A	Water	X	X	X
53767	5501781821	LVW 4.2-N-20220130-18	550-178182-11	1/30/2022	Stage 2A	Water	X	X	X
53767	5501781821	LVW 4.2-N-20220130-19	550-178182-12	1/30/2022	Stage 2A	Water	X	X	X
53767	5501781821	LVW 4.2-N-20220130-20	550-178182-13	1/30/2022	Stage 2A	Water	X	X	X
53767	5501781821	LVW 4.2-N-20220130-21	550-178182-14	1/30/2022	Stage 2A	Water	X	X	X
53767	5501781821	LVW 4.2-N-20220130-22	550-178182-15	1/30/2022	Stage 2A	Water	X	X	X
53767	5501781821	LVW 4.2-N-20220130-23	550-178182-16	1/30/2022	Stage 2A	Water	X	X	X
53767	5501781821	LVW 4.2-N-20220131-00	550-178182-17	1/31/2022	Stage 2A	Water	X	X	X
53767	5501781821	LVW 4.2-N-20220131-01	550-178182-18	1/31/2022	Stage 2A	Water	X	X	X
53767	5501781821	LVW 4.2-N-20220131-02	550-178182-19	1/31/2022	Stage 2A	Water	X	X	X
53767	5501781821	LVW 4.2-N-20220131-03	550-178182-20	1/31/2022	Stage 2A	Water	X	X	X
53767	5501781821	LVW 4.2-N-20220131-04	550-178182-21	1/31/2022	Stage 2A	Water	X	X	X
53767	5501781821	LVW 4.2-N-20220131-05	550-178182-22	1/31/2022	Stage 2A	Water	X	X	X
53767	5501781821	LVW 4.2-N-20220131-06	550-178182-23	1/31/2022	Stage 2A	Water	X	X	X
53767	5501781821	LVW 4.2-N-20220131-07	550-178182-24	1/31/2022	Stage 2A	Water	X	X	X
53767	5501781831	LVW 4.2-S-20220130-08	550-178183-1	1/30/2022	Stage 2A	Water	X	X	X
53767	5501781831	LVW 4.2-S-20220130-09	550-178183-2	1/30/2022	Stage 2A	Water	X	X	X
53767	5501781831	LVW 4.2-S-20220130-10	550-178183-3	1/30/2022	Stage 2A	Water	X	X	X
53767	5501781831	LVW 4.2-S-20220130-11	550-178183-4	1/30/2022	Stage 2A	Water	X	X	X
53767	5501781831	LVW 4.2-S-20220130-12	550-178183-5	1/30/2022	Stage 2A	Water	X	X	X
53767	5501781831	LVW 4.2-S-20220130-13	550-178183-6	1/30/2022	Stage 2A	Water	X	X	X
53767	5501781831	LVW 4.2-S-20220130-14	550-178183-7	1/30/2022	Stage 2A	Water	X	X	X
53767	5501781831	LVW 4.2-S-20220130-15	550-178183-8	1/30/2022	Stage 2A	Water	X	X	X
53767	5501781831	LVW 4.2-S-20220130-16	550-178183-9	1/30/2022	Stage 2A	Water	X	X	X
53767	5501781831	LVW 4.2-S-20220130-17	550-178183-10	1/30/2022	Stage 2A	Water	X	X	X
53767	5501781831	LVW 4.2-S-20220130-18	550-178183-11	1/30/2022	Stage 2A	Water	X	X	X
53767	5501781831	LVW 4.2-S-20220130-19	550-178183-12	1/30/2022	Stage 2A	Water	X	X	X
53767	5501781831	LVW 4.2-S-20220130-20	550-178183-13	1/30/2022	Stage 2A	Water	X	X	X
53767	5501781831	LVW 4.2-S-20220130-21	550-178183-14	1/30/2022	Stage 2A	Water	X	X	X
53767	5501781831	LVW 4.2-S-20220130-22	550-178183-15	1/30/2022	Stage 2A	Water	X	X	X
53767	5501781831	LVW 4.2-S-20220130-23	550-178183-16	1/30/2022	Stage 2A	Water	X	X	X



Table I. Sample Cross Reference

LDC	SDG	Client Sample ID	Lab ID	Sample Date	Validation Level	Matrix	Chlorate (300.1B)	Perchlorate (314.0)	TDS (2540C)
53767	5501781831	LVW 4.2-S-20220131-00	550-178183-17	1/31/2022	Stage 2A	Water	X	X	X
53767	5501781831	LVW 4.2-S-20220131-01	550-178183-18	1/31/2022	Stage 2A	Water	X	X	X
53767	5501781831	LVW 4.2-S-20220131-02	550-178183-19	1/31/2022	Stage 2A	Water	X	X	X
53767	5501781831	LVW 4.2-S-20220131-03	550-178183-20	1/31/2022	Stage 2A	Water	X	X	X
53767	5501781831	LVW 4.2-S-20220131-04	550-178183-21	1/31/2022	Stage 2A	Water	X	X	X
53767	5501781831	LVW 4.2-S-20220131-05	550-178183-22	1/31/2022	Stage 2A	Water	X	X	X
53767	5501781831	LVW 4.2-S-20220131-06	550-178183-23	1/31/2022	Stage 2A	Water	X	X	X
53767	5501781831	LVW 4.2-S-20220131-07	550-178183-24	1/31/2022	Stage 2A	Water	X	X	X
53767	5501781841	LVW 6.05-20220130-12	550-178184-1	1/30/2022	Stage 2A	Water	X	X	X
53767	5501781841	LVW 6.05-20220130-13	550-178184-2	1/30/2022	Stage 2A	Water	X	X	X
53767	5501781841	LVW 6.05-20220130-14	550-178184-3	1/30/2022	Stage 2A	Water	X	X	X
53767	5501781841	LVW 6.05-20220130-15	550-178184-4	1/30/2022	Stage 2A	Water	X	X	X
53767	5501781841	LVW 6.05-20220130-16	550-178184-5	1/30/2022	Stage 2A	Water	X	X	X
53767	5501781841	LVW 6.05-20220130-17	550-178184-6	1/30/2022	Stage 2A	Water	X	X	X
53767	5501781841	LVW 6.05-20220130-18	550-178184-7	1/30/2022	Stage 2A	Water	X	X	X
53767	5501781841	LVW 6.05-20220130-19	550-178184-8	1/30/2022	Stage 2A	Water	X	X	X
53767	5501781841	LVW 6.05-20220130-20	550-178184-9	1/30/2022	Stage 2A	Water	X	X	X
53767	5501781841	LVW 6.05-20220130-21	550-178184-10	1/30/2022	Stage 2A	Water	X	X	X
53767	5501781841	LVW 6.05-20220130-22	550-178184-11	1/30/2022	Stage 2A	Water	X	X	X
53767	5501781841	LVW 6.05-20220130-23	550-178184-12	1/30/2022	Stage 2A	Water	X	X	X
53767	5501781841	LVW 6.05-20220131-00	550-178184-13	1/31/2022	Stage 2A	Water	X	X	X
53767	5501781841	LVW 6.05-20220131-01	550-178184-14	1/31/2022	Stage 2A	Water	X	X	X
53767	5501781841	LVW 6.05-20220131-02	550-178184-15	1/31/2022	Stage 2A	Water	X	X	X
53767	5501781841	LVW 6.05-20220131-03	550-178184-16	1/31/2022	Stage 2A	Water	X	X	X
53767	5501781841	LVW 6.05-20220131-04	550-178184-17	1/31/2022	Stage 2A	Water	X	X	X
53767	5501781841	LVW 6.05-20220131-05	550-178184-18	1/31/2022	Stage 2A	Water	X	X	X
53767	5501781841	LVW 6.05-20220131-06	550-178184-19	1/31/2022	Stage 2A	Water	X	X	X
53767	5501781841	LVW 6.05-20220131-07	550-178184-20	1/31/2022	Stage 2A	Water	X	X	X
53767	5501781841	LVW 6.05-20220131-08	550-178184-21	1/31/2022	Stage 2A	Water	X	X	X
53767	5501781841	LVW 6.05-20220131-09	550-178184-22	1/31/2022	Stage 2A	Water	X	X	X
53767	5501781841	LVW 6.05-20220131-10	550-178184-23	1/31/2022	Stage 2A	Water	X	X	X
53767	5501781841	LVW 6.05-20220131-11	550-178184-24	1/31/2022	Stage 2A	Water	X	X	X
53767	5501781851	LVW 5.3-C-20220130-08	550-178185-1	1/30/2022	Stage 2A	Water	X	X	X
53767	5501781851	LVW 5.3-C-20220130-09	550-178185-2	1/30/2022	Stage 2A	Water	X	X	X

Table I. Sample Cross Reference

LDC	SDG	Client Sample ID	Lab ID	Sample Date	Validation Level	Matrix	Chlorate (300.1B)	Perchlorate (314.0)	TDS (2540C)
53767	5501781851	LVW 5.3-C-20220130-10	550-178185-3	1/30/2022	Stage 2A	Water	X	X	X
53767	5501781851	LVW 5.3-C-20220130-11	550-178185-4	1/30/2022	Stage 2A	Water	X	X	X
53767	5501781851	LVW 5.3-C-20220130-12	550-178185-5	1/30/2022	Stage 2A	Water	X	X	X
53767	5501781851	LVW 5.3-C-20220130-13	550-178185-6	1/30/2022	Stage 2A	Water	X	X	X
53767	5501781851	LVW 5.3-C-20220130-14	550-178185-7	1/30/2022	Stage 2A	Water	X	X	X
53767	5501781851	LVW 5.3-C-20220130-15	550-178185-8	1/30/2022	Stage 2A	Water	X	X	X
53767	5501781851	LVW 5.3-C-20220130-16	550-178185-9	1/30/2022	Stage 2A	Water	X	X	X
53767	5501781851	LVW 5.3-C-20220130-17	550-178185-10	1/30/2022	Stage 2A	Water	X	X	X
53767	5501781851	LVW 5.3-C-20220130-18	550-178185-11	1/30/2022	Stage 2A	Water	X	X	X
53767	5501781851	LVW 5.3-C-20220130-19	550-178185-12	1/30/2022	Stage 2A	Water	X	X	X
53767	5501781851	LVW 5.3-C-20220130-20	550-178185-13	1/30/2022	Stage 2A	Water	X	X	X
53767	5501781851	LVW 5.3-C-20220130-21	550-178185-14	1/30/2022	Stage 2A	Water	X	X	X
53767	5501781851	LVW 5.3-C-20220130-22	550-178185-15	1/30/2022	Stage 2A	Water	X	X	X
53767	5501781851	LVW 5.3-C-20220130-23	550-178185-16	1/30/2022	Stage 2A	Water	X	X	X
53767	5501781851	LVW 5.3-C-20220131-00	550-178185-17	1/31/2022	Stage 2A	Water	X	X	X
53767	5501781851	LVW 5.3-C-20220131-01	550-178185-18	1/31/2022	Stage 2A	Water	X	X	X
53767	5501781851	LVW 5.3-C-20220131-02	550-178185-19	1/31/2022	Stage 2A	Water	X	X	X
53767	5501781851	LVW 5.3-C-20220131-03	550-178185-20	1/31/2022	Stage 2A	Water	X	X	X
53767	5501781851	LVW 5.3-C-20220131-04	550-178185-21	1/31/2022	Stage 2A	Water	X	X	X
53767	5501781851	LVW 5.3-C-20220131-05	550-178185-22	1/31/2022	Stage 2A	Water	X	X	X
53767	5501781851	LVW 5.3-C-20220131-06	550-178185-23	1/31/2022	Stage 2A	Water	X	X	X
53767	5501781851	LVW 5.3-C-20220131-07	550-178185-24	1/31/2022	Stage 2A	Water	X	X	X
53767	5501781861	LVW 5.3-S-20220130-08	550-178186-1	1/30/2022	Stage 2A	Water	X	X	X
53767	5501781861	LVW 5.3-S-20220130-09	550-178186-2	1/30/2022	Stage 2A	Water	X	X	X
53767	5501781861	LVW 5.3-S-20220130-10	550-178186-3	1/30/2022	Stage 2A	Water	X	X	X
53767	5501781861	LVW 5.3-S-20220130-11	550-178186-4	1/30/2022	Stage 2A	Water	X	X	X
53767	5501781861	LVW 5.3-S-20220130-12	550-178186-5	1/30/2022	Stage 2A	Water	X	X	X
53767	5501781861	LVW 5.3-S-20220130-13	550-178186-6	1/30/2022	Stage 2A	Water	X	X	X
53767	5501781861	LVW 5.3-S-20220130-14	550-178186-7	1/30/2022	Stage 2A	Water	X	X	X
53767	5501781861	LVW 5.3-S-20220130-15	550-178186-8	1/30/2022	Stage 2A	Water	X	X	X
53767	5501781861	LVW 5.3-S-20220130-16	550-178186-9	1/30/2022	Stage 2A	Water	X	X	X
53767	5501781861	LVW 5.3-S-20220130-17	550-178186-10	1/30/2022	Stage 2A	Water	X	X	X
53767	5501781861	LVW 5.3-S-20220130-18	550-178186-11	1/30/2022	Stage 2A	Water	X	X	X
53767	5501781861	LVW 5.3-S-20220130-19	550-178186-12	1/30/2022	Stage 2A	Water	X	X	X

Table I. Sample Cross Reference

LDC	SDG	Client Sample ID	Lab ID	Sample Date	Validation Level	Matrix	Chlorate (300.1B)	Perchlorate (314.0)	TDS (2540C)
53767	5501781861	LVW 5.3-S-20220130-20	550-178186-13	1/30/2022	Stage 2A	Water	X	X	X
53767	5501781861	LVW 5.3-S-20220130-21	550-178186-14	1/30/2022	Stage 2A	Water	X	X	X
53767	5501781861	LVW 5.3-S-20220130-22	550-178186-15	1/30/2022	Stage 2A	Water	X	X	X
53767	5501781861	LVW 5.3-S-20220130-23	550-178186-16	1/30/2022	Stage 2A	Water	X	X	X
53767	5501781861	LVW 5.3-S-20220131-00	550-178186-17	1/31/2022	Stage 2A	Water	X	X	X
53767	5501781861	LVW 5.3-S-20220131-01	550-178186-18	1/31/2022	Stage 2A	Water	X	X	X
53767	5501781861	LVW 5.3-S-20220131-02	550-178186-19	1/31/2022	Stage 2A	Water	X	X	X
53767	5501781861	LVW 5.3-S-20220131-03	550-178186-20	1/31/2022	Stage 2A	Water	X	X	X
53767	5501781861	LVW 5.3-S-20220131-04	550-178186-21	1/31/2022	Stage 2A	Water	X	X	X
53767	5501781861	LVW 5.3-S-20220131-05	550-178186-22	1/31/2022	Stage 2A	Water	X	X	X
53767	5501781861	LVW 5.3-S-20220131-06	550-178186-23	1/31/2022	Stage 2A	Water	X	X	X
53767	5501781861	LVW 5.3-S-20220131-07	550-178186-24	1/31/2022	Stage 2A	Water	X	X	X
53767	5501781871	LVW 3.5-S-20220130-08	550-178187-1	1/30/2022	Stage 2A	Water	X	X	X
53767	5501781871	LVW 3.5-S-20220130-09	550-178187-2	1/30/2022	Stage 2A	Water	X	X	X
53767	5501781871	LVW 3.5-S-20220130-10	550-178187-3	1/30/2022	Stage 2A	Water	X	X	X
53767	5501781871	LVW 3.5-S-20220130-11	550-178187-4	1/30/2022	Stage 2A	Water	X	X	X
53767	5501781871	LVW 3.5-S-20220130-12	550-178187-5	1/30/2022	Stage 2A	Water	X	X	X
53767	5501781871	LVW 3.5-S-20220130-13	550-178187-6	1/30/2022	Stage 2A	Water	X	X	X
53767	5501781871	LVW 3.5-S-20220130-14	550-178187-7	1/30/2022	Stage 2A	Water	X	X	X
53767	5501781871	LVW 3.5-S-20220130-15	550-178187-8	1/30/2022	Stage 2A	Water	X	X	X
53767	5501781871	LVW 3.5-S-20220130-16	550-178187-9	1/30/2022	Stage 2A	Water	X	X	X
53767	5501781871	LVW 3.5-S-20220130-17	550-178187-10	1/30/2022	Stage 2A	Water	X	X	X
53767	5501781871	LVW 3.5-S-20220130-18	550-178187-11	1/30/2022	Stage 2A	Water	X	X	X
53767	5501781871	LVW 3.5-S-20220130-19	550-178187-12	1/30/2022	Stage 2A	Water	X	X	X
53767	5501781871	LVW 3.5-S-20220130-20	550-178187-13	1/30/2022	Stage 2A	Water	X	X	X
53767	5501781871	LVW 3.5-S-20220130-21	550-178187-14	1/30/2022	Stage 2A	Water	X	X	X
53767	5501781871	LVW 3.5-S-20220130-22	550-178187-15	1/30/2022	Stage 2A	Water	X	X	X
53767	5501781871	LVW 3.5-S-20220130-23	550-178187-16	1/30/2022	Stage 2A	Water	X	X	X
53767	5501781871	LVW 3.5-S-20220131-00	550-178187-17	1/31/2022	Stage 2A	Water	X	X	X
53767	5501781871	LVW 3.5-S-20220131-01	550-178187-18	1/31/2022	Stage 2A	Water	X	X	X
53767	5501781871	LVW 3.5-S-20220131-02	550-178187-19	1/31/2022	Stage 2A	Water	X	X	X
53767	5501781871	LVW 3.5-S-20220131-03	550-178187-20	1/31/2022	Stage 2A	Water	X	X	X
53767	5501781871	LVW 3.5-S-20220131-04	550-178187-21	1/31/2022	Stage 2A	Water	X	X	X
53767	5501781871	LVW 3.5-S-20220131-05	550-178187-22	1/31/2022	Stage 2A	Water	X	X	X

**Table I. Sample Cross Reference**

<b>LDC</b>	<b>SDG</b>	<b>Client Sample ID</b>	<b>Lab ID</b>	<b>Sample Date</b>	<b>Validation Level</b>	<b>Matrix</b>	<b>Chlorate (300.1B)</b>	<b>Perchlorate (314.0)</b>	<b>TDS (2540C)</b>
53767	5501781881	LVW 3.5-N-20220130-08	550-178188-1	1/30/2022	Stage 2A	Water	X	X	X
53767	5501781881	LVW 3.5-N-20220130-09	550-178188-2	1/30/2022	Stage 2A	Water	X	X	X
53767	5501781881	LVW 3.5-N-20220130-10	550-178188-3	1/30/2022	Stage 2A	Water	X	X	X
53767	5501781881	LVW 3.5-N-20220130-11	550-178188-4	1/30/2022	Stage 2A	Water	X	X	X
53767	5501781881	LVW 3.5-N-20220130-12	550-178188-5	1/30/2022	Stage 2A	Water	X	X	X
53767	5501781881	LVW 3.5-N-20220130-13	550-178188-6	1/30/2022	Stage 2A	Water	X	X	X
53767	5501781881	LVW 3.5-N-20220130-14	550-178188-7	1/30/2022	Stage 2A	Water	X	X	X
53767	5501781881	LVW 3.5-N-20220130-15	550-178188-8	1/30/2022	Stage 2A	Water	X	X	X
53767	5501781881	LVW 3.5-N-20220130-16	550-178188-9	1/30/2022	Stage 2A	Water	X	X	X
53767	5501781881	LVW 3.5-N-20220130-17	550-178188-10	1/30/2022	Stage 2A	Water	X	X	X
53767	5501781881	LVW 3.5-N-20220130-18	550-178188-11	1/30/2022	Stage 2A	Water	X	X	X
53767	5501781881	LVW 3.5-N-20220130-19	550-178188-12	1/30/2022	Stage 2A	Water	X	X	X
53767	5501781881	LVW 3.5-N-20220130-20	550-178188-13	1/30/2022	Stage 2A	Water	X	X	X
53767	5501781881	LVW 3.5-N-20220130-21	550-178188-14	1/30/2022	Stage 2A	Water	X	X	X
53767	5501781881	LVW 3.5-N-20220130-22	550-178188-15	1/30/2022	Stage 2A	Water	X	X	X
53767	5501781881	LVW 3.5-N-20220130-23	550-178188-16	1/30/2022	Stage 2A	Water	X	X	X
53767	5501781881	LVW 3.5-N-20220131-00	550-178188-17	1/31/2022	Stage 2A	Water	X	X	X
53767	5501781881	LVW 3.5-N-20220131-01	550-178188-18	1/31/2022	Stage 2A	Water	X	X	X
53767	5501781881	LVW 3.5-N-20220131-02	550-178188-19	1/31/2022	Stage 2A	Water	X	X	X
53767	5501781881	LVW 3.5-N-20220131-03	550-178188-20	1/31/2022	Stage 2A	Water	X	X	X
53767	5501781881	LVW 3.5-N-20220131-04	550-178188-21	1/31/2022	Stage 2A	Water	X	X	X
53767	5501781881	LVW 3.5-N-20220131-05	550-178188-22	1/31/2022	Stage 2A	Water	X	X	X
53767	5501781881	LVW 3.5-N-20220131-06	550-178188-23	1/31/2022	Stage 2A	Water	X	X	X
53767	5501781881	LVW 3.5-N-20220131-07	550-178188-24	1/31/2022	Stage 2A	Water	X	X	X
53767	5501783591	LVW 4.2-S-20220201-08	550-178359-1	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783591	LVW 4.2-S-20220201-09	550-178359-2	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783591	LVW 4.2-S-20220201-10	550-178359-3	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783591	LVW 4.2-S-20220201-11	550-178359-4	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783591	LVW 4.2-S-20220201-12	550-178359-5	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783591	LVW 4.2-S-20220201-13	550-178359-6	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783591	LVW 4.2-S-20220201-14	550-178359-7	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783591	LVW 4.2-S-20220201-15	550-178359-8	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783591	LVW 4.2-S-20220201-16	550-178359-9	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783591	LVW 4.2-S-20220201-17	550-178359-10	2/1/2022	Stage 2A	Water	X	X	X

Table I. Sample Cross Reference

LDC	SDG	Client Sample ID	Lab ID	Sample Date	Validation Level	Matrix	Chlorate (300.1B)	Perchlorate (314.0)	TDS (2540C)
53767	5501783591	LVW 4.2-S-20220201-18	550-178359-11	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783591	LVW 4.2-S-20220201-19	550-178359-12	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783591	LVW 4.2-S-20220201-20	550-178359-13	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783591	LVW 4.2-S-20220201-21	550-178359-14	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783591	LVW 4.2-S-20220201-22	550-178359-15	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783591	LVW 4.2-S-20220201-23	550-178359-16	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783591	LVW 4.2-S-20220202-00	550-178359-17	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783591	LVW 4.2-S-20220202-01	550-178359-18	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783591	LVW 4.2-S-20220202-02	550-178359-19	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783591	LVW 4.2-S-20220202-03	550-178359-20	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783591	LVW 4.2-S-20220202-04	550-178359-21	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783591	LVW 4.2-S-20220202-05	550-178359-22	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783591	LVW 4.2-S-20220202-06	550-178359-23	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783591	LVW 4.2-S-20220202-07	550-178359-24	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783631	LVW 5.3-C-20220201-08	550-178363-1	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783631	LVW 5.3-C-20220201-09	550-178363-2	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783631	LVW 5.3-C-20220201-10	550-178363-3	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783631	LVW 5.3-C-20220201-11	550-178363-4	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783631	LVW 5.3-C-20220201-12	550-178363-5	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783631	LVW 5.3-C-20220201-13	550-178363-6	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783631	LVW 5.3-C-20220201-14	550-178363-7	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783631	LVW 5.3-C-20220201-15	550-178363-8	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783631	LVW 5.3-C-20220201-16	550-178363-9	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783631	LVW 5.3-C-20220201-17	550-178363-10	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783631	LVW 5.3-C-20220201-18	550-178363-11	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783631	LVW 5.3-C-20220201-19	550-178363-12	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783631	LVW 5.3-C-20220201-20	550-178363-13	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783631	LVW 5.3-C-20220201-21	550-178363-14	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783631	LVW 5.3-C-20220201-22	550-178363-15	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783631	LVW 5.3-C-20220201-23	550-178363-16	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783631	LVW 5.3-C-20220202-00	550-178363-17	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783631	LVW 5.3-C-20220202-01	550-178363-18	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783631	LVW 5.3-C-20220202-02	550-178363-19	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783631	LVW 5.3-C-20220202-03	550-178363-20	2/1/2022	Stage 2A	Water	X	X	X

**Table I. Sample Cross Reference**

<b>LDC</b>	<b>SDG</b>	<b>Client Sample ID</b>	<b>Lab ID</b>	<b>Sample Date</b>	<b>Validation Level</b>	<b>Matrix</b>	<b>Chlorate (300.1B)</b>	<b>Perchlorate (314.0)</b>	<b>TDS (2540C)</b>
53767	5501783631	LVW 5.3-C-20220202-04	550-178363-21	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783631	LVW 5.3-C-20220202-05	550-178363-22	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783631	LVW 5.3-C-20220202-06	550-178363-23	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783631	LVW 5.3-C-20220202-07	550-178363-24	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783641	LVW 6.05-20220201-11	550-178364-1	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783641	LVW 6.05-20220201-12	550-178364-2	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783641	LVW 6.05-20220201-13	550-178364-3	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783641	LVW 6.05-20220201-14	550-178364-4	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783641	LVW 6.05-20220201-15	550-178364-5	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783641	LVW 6.05-20220201-16	550-178364-6	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783641	LVW 6.05-20220201-17	550-178364-7	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783641	LVW 6.05-20220201-18	550-178364-8	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783641	LVW 6.05-20220201-19	550-178364-9	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783641	LVW 6.05-20220201-20	550-178364-10	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783641	LVW 6.05-20220201-21	550-178364-11	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783641	LVW 6.05-20220201-22	550-178364-12	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783641	LVW 6.05-20220201-23	550-178364-13	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783641	LVW 6.05-20220202-00	550-178364-14	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783641	LVW 6.05-20220202-01	550-178364-15	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783641	LVW 6.05-20220202-02	550-178364-16	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783641	LVW 6.05-20220202-03	550-178364-17	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783641	LVW 6.05-20220202-04	550-178364-18	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783641	LVW 6.05-20220202-05	550-178364-19	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783641	LVW 6.05-20220202-06	550-178364-20	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783641	LVW 6.05-20220202-07	550-178364-21	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783641	LVW 6.05-20220202-08	550-178364-22	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783641	LVW 6.05-20220202-09	550-178364-23	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783641	LVW 6.05-20220202-10	550-178364-24	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783651	LVW 0.55-20220201-08	550-178365-1	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783651	LVW 0.55-20220201-09	550-178365-2	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783651	LVW 0.55-20220201-10	550-178365-3	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783651	LVW 0.55-20220201-11	550-178365-4	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783651	LVW 0.55-20220201-12	550-178365-5	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783651	LVW 0.55-20220201-13	550-178365-6	2/1/2022	Stage 2A	Water	X	X	X

**Table I. Sample Cross Reference**

<b>LDC</b>	<b>SDG</b>	<b>Client Sample ID</b>	<b>Lab ID</b>	<b>Sample Date</b>	<b>Validation Level</b>	<b>Matrix</b>	<b>Chlorate (300.1B)</b>	<b>Perchlorate (314.0)</b>	<b>TDS (2540C)</b>
53767	5501783651	LVW 0.55-20220201-14	550-178365-7	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783651	LVW 0.55-20220201-15	550-178365-8	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783651	LVW 0.55-20220201-16	550-178365-9	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783651	LVW 0.55-20220201-17	550-178365-10	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783651	LVW 0.55-20220201-18	550-178365-11	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783651	LVW 0.55-20220201-19	550-178365-12	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783651	LVW 0.55-20220201-20	550-178365-13	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783651	LVW 0.55-20220201-21	550-178365-14	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783651	LVW 0.55-20220201-22	550-178365-15	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783651	LVW 0.55-20220201-23	550-178365-16	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783651	LVW 0.55-20220202-00	550-178365-17	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783651	LVW 0.55-20220202-01	550-178365-18	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783651	LVW 0.55-20220202-02	550-178365-19	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783651	LVW 0.55-20220202-03	550-178365-20	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783651	LVW 0.55-20220202-04	550-178365-21	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783651	LVW 0.55-20220202-05	550-178365-22	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783651	LVW 0.55-20220202-06	550-178365-23	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783651	LVW 0.55-20220202-07	550-178365-24	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783661	LVW 5.3-S-20220201-08	550-178366-1	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783661	LVW 5.3-S-20220201-10	550-178366-2	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783661	LVW 5.3-S-20220201-11	550-178366-3	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783661	LVW 5.3-S-20220201-12	550-178366-4	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783661	LVW 5.3-S-20220201-13	550-178366-5	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783661	LVW 5.3-S-20220201-15	550-178366-6	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783661	LVW 5.3-S-20220201-16	550-178366-7	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783661	LVW 5.3-S-20220201-17	550-178366-8	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783661	LVW 5.3-S-20220201-18	550-178366-9	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783661	LVW 5.3-S-20220201-19	550-178366-10	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783661	LVW 5.3-S-20220201-20	550-178366-11	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783661	LVW 5.3-S-20220201-21	550-178366-12	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783661	LVW 5.3-S-20220201-22	550-178366-13	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783661	LVW 5.3-S-20220201-23	550-178366-14	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783661	LVW 5.3-S-20220202-00	550-178366-15	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783661	LVW 5.3-S-20220202-01	550-178366-16	2/1/2022	Stage 2A	Water	X	X	X

Table I. Sample Cross Reference

LDC	SDG	Client Sample ID	Lab ID	Sample Date	Validation Level	Matrix	Chlorate (300.1B)	Perchlorate (314.0)	TDS (2540C)
53767	5501783661	LVW 5.3-S-20220202-02	550-178366-17	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783661	LVW 5.3-S-20220202-03	550-178366-18	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783661	LVW 5.3-S-20220202-04	550-178366-19	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783661	LVW 5.3-S-20220202-05	550-178366-20	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783661	LVW 5.3-S-20220202-06	550-178366-21	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783661	LVW 5.3-S-20220202-07	550-178366-22	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783671	LVW 3.5-N-20220201-08	550-178367-1	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783671	LVW 3.5-N-20220201-09	550-178367-2	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783671	LVW 3.5-N-20220201-10	550-178367-3	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783671	LVW 3.5-N-20220201-11	550-178367-4	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783671	LVW 3.5-N-20220201-12	550-178367-5	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783671	LVW 3.5-N-20220201-13	550-178367-6	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783671	LVW 3.5-N-20220201-14	550-178367-7	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783671	LVW 3.5-N-20220201-15	550-178367-8	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783671	LVW 3.5-N-20220201-16	550-178367-9	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783671	LVW 3.5-N-20220201-17	550-178367-10	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783671	LVW 3.5-N-20220201-18	550-178367-11	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783671	LVW 3.5-N-20220201-19	550-178367-12	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783671	LVW 3.5-N-20220201-20	550-178367-13	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783671	LVW 3.5-N-20220201-21	550-178367-14	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783671	LVW 3.5-N-20220201-22	550-178367-15	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783671	LVW 3.5-N-20220201-23	550-178367-16	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783671	LVW 3.5-N-20220202-00	550-178367-17	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783671	LVW 3.5-N-20220202-01	550-178367-18	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783671	LVW 3.5-N-20220202-02	550-178367-19	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783671	LVW 3.5-N-20220202-03	550-178367-20	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783671	LVW 3.5-N-20220202-04	550-178367-21	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783671	LVW 3.5-N-20220202-05	550-178367-22	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783671	LVW 3.5-N-20220202-06	550-178367-23	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783671	LVW 3.5-N-20220202-07	550-178367-24	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783681	LVW 3.5-C-20220201-08	550-178368-1	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783681	LVW 3.5-C-20220201-09	550-178368-2	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783681	LVW 3.5-C-20220201-10	550-178368-3	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783681	LVW 3.5-C-20220201-11	550-178368-4	2/1/2022	Stage 2A	Water	X	X	X



Table I. Sample Cross Reference

LDC	SDG	Client Sample ID	Lab ID	Sample Date	Validation Level	Matrix	Chlorate (300.1B)	Perchlorate (314.0)	TDS (2540C)
53767	5501783681	LVW 3.5-C-20220201-12	550-178368-5	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783681	LVW 3.5-C-20220201-13	550-178368-6	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783681	LVW 3.5-C-20220201-14	550-178368-7	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783681	LVW 3.5-C-20220201-15	550-178368-8	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783681	LVW 3.5-C-20220201-16	550-178368-9	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783681	LVW 3.5-C-20220201-17	550-178368-10	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783681	LVW 3.5-C-20220201-18	550-178368-11	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783681	LVW 3.5-C-20220201-19	550-178368-12	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783681	LVW 3.5-C-20220201-20	550-178368-13	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783681	LVW 3.5-C-20220201-21	550-178368-14	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783681	LVW 3.5-C-20220201-22	550-178368-15	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783681	LVW 3.5-C-20220201-23	550-178368-16	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783681	LVW 3.5-C-20220202-00	550-178368-17	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783681	LVW 3.5-C-20220202-01	550-178368-18	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783681	LVW 3.5-C-20220202-02	550-178368-19	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783681	LVW 3.5-C-20220202-03	550-178368-20	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783681	LVW 3.5-C-20220202-04	550-178368-21	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783681	LVW 3.5-C-20220202-05	550-178368-22	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783681	LVW 3.5-C-20220202-06	550-178368-23	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783681	LVW 3.5-C-20220202-07	550-178368-24	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783691	LVW 7.2-20220201-08	550-178369-1	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783691	LVW 7.2-20220201-09	550-178369-2	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783691	LVW 7.2-20220201-10	550-178369-3	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783691	LVW 7.2-20220201-11	550-178369-4	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783691	LVW 7.2-20220201-12	550-178369-5	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783691	LVW 7.2-20220201-13	550-178369-6	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783691	LVW 7.2-20220201-14	550-178369-7	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783691	LVW 7.2-20220201-15	550-178369-8	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783691	LVW 7.2-20220201-16	550-178369-9	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783691	LVW 7.2-20220201-17	550-178369-10	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783691	LVW 7.2-20220201-18	550-178369-11	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783691	LVW 7.2-20220201-19	550-178369-12	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783691	LVW 7.2-20220201-20	550-178369-13	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783691	LVW 7.2-20220201-21	550-178369-14	2/1/2022	Stage 2A	Water	X	X	X

Table I. Sample Cross Reference

LDC	SDG	Client Sample ID	Lab ID	Sample Date	Validation Level	Matrix	Chlorate (300.1B)	Perchlorate (314.0)	TDS (2540C)
53767	5501783691	LVW 7.2-20220201-22	550-178369-15	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783691	LVW 7.2-20220201-23	550-178369-16	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783691	LVW 7.2-20220202-00	550-178369-17	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783691	LVW 7.2-20220202-01	550-178369-18	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783691	LVW 7.2-20220202-02	550-178369-19	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783691	LVW 7.2-20220202-03	550-178369-20	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783691	LVW 7.2-20220202-04	550-178369-21	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783691	LVW 7.2-20220202-05	550-178369-22	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783691	LVW 7.2-20220202-06	550-178369-23	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783691	LVW 7.2-20220202-07	550-178369-24	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783701	LVW 4.2-N-20220201-08	550-178370-1	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783701	LVW 4.2-N-20220201-09	550-178370-2	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783701	LVW 4.2-N-20220201-10	550-178370-3	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783701	LVW 4.2-N-20220201-11	550-178370-4	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783701	LVW 4.2-N-20220201-12	550-178370-5	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783701	LVW 4.2-N-20220201-13	550-178370-6	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783701	LVW 4.2-N-20220201-14	550-178370-7	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783701	LVW 4.2-N-20220201-15	550-178370-8	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783701	LVW 4.2-N-20220201-16	550-178370-9	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783701	LVW 4.2-N-20220201-17	550-178370-10	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783701	LVW 4.2-N-20220201-18	550-178370-11	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783701	LVW 4.2-N-20220201-19	550-178370-12	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783701	LVW 4.2-N-20220201-20	550-178370-13	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783701	LVW 4.2-N-20220201-21	550-178370-14	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783701	LVW 4.2-N-20220201-22	550-178370-15	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783701	LVW 4.2-N-20220201-23	550-178370-16	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783701	LVW 4.2-N-20220202-00	550-178370-17	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783701	LVW 4.2-N-20220202-01	550-178370-18	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783701	LVW 4.2-N-20220202-02	550-178370-19	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783701	LVW 4.2-N-20220202-03	550-178370-20	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783701	LVW 4.2-N-20220202-04	550-178370-21	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783701	LVW 4.2-N-20220202-05	550-178370-22	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783701	LVW 4.2-N-20220202-06	550-178370-23	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783701	LVW 4.2-N-20220202-07	550-178370-24	2/1/2022	Stage 2A	Water	X	X	X

Table I. Sample Cross Reference

LDC	SDG	Client Sample ID	Lab ID	Sample Date	Validation Level	Matrix	Chlorate (300.1B)	Perchlorate (314.0)	TDS (2540C)
53767	5501783711	LVW 5.3-N-20220201-08	550-178371-1	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783711	LVW 5.3-N-20220201-09	550-178371-2	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783711	LVW 5.3-N-20220201-10	550-178371-3	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783711	LVW 5.3-N-20220201-11	550-178371-4	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783711	LVW 5.3-N-20220201-12	550-178371-5	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783711	LVW 5.3-N-20220201-13	550-178371-6	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783711	LVW 5.3-N-20220201-14	550-178371-7	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783711	LVW 5.3-N-20220201-15	550-178371-8	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783711	LVW 5.3-N-20220201-16	550-178371-9	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783711	LVW 5.3-N-20220201-17	550-178371-10	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783711	LVW 5.3-N-20220201-18	550-178371-11	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783711	LVW 5.3-N-20220201-19	550-178371-12	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783711	LVW 5.3-N-20220201-20	550-178371-13	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783711	LVW 5.3-N-20220201-21	550-178371-14	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783711	LVW 5.3-N-20220201-22	550-178371-15	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783711	LVW 5.3-N-20220201-23	550-178371-16	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783711	LVW 5.3-N-20220202-00	550-178371-17	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783711	LVW 5.3-N-20220202-01	550-178371-18	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783711	LVW 5.3-N-20220202-02	550-178371-19	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783711	LVW 5.3-N-20220202-03	550-178371-20	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783711	LVW 5.3-N-20220202-04	550-178371-21	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783711	LVW 5.3-N-20220202-05	550-178371-22	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783711	LVW 5.3-N-20220202-06	550-178371-23	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783711	LVW 5.3-N-20220202-07	550-178371-24	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783721	LVW 3.5-S-20220201-10	550-178372-1	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783721	LVW 3.5-S-20220201-11	550-178372-2	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783721	LVW 3.5-S-20220201-12	550-178372-3	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783721	LVW 3.5-S-20220201-13	550-178372-4	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783721	LVW 3.5-S-20220201-14	550-178372-5	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783721	LVW 3.5-S-20220201-15	550-178372-6	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783721	LVW 3.5-S-20220201-16	550-178372-7	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783721	LVW 3.5-S-20220201-17	550-178372-8	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783721	LVW 3.5-S-20220201-18	550-178372-9	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783721	LVW 3.5-S-20220201-19	550-178372-10	2/1/2022	Stage 2A	Water	X	X	X

**Table I. Sample Cross Reference**

<b>LDC</b>	<b>SDG</b>	<b>Client Sample ID</b>	<b>Lab ID</b>	<b>Sample Date</b>	<b>Validation Level</b>	<b>Matrix</b>	<b>Chlorate (300.1B)</b>	<b>Perchlorate (314.0)</b>	<b>TDS (2540C)</b>
53767	5501783721	LVW 3.5-S-20220201-20	550-178372-11	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783721	LVW 3.5-S-20220201-21	550-178372-12	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783721	LVW 3.5-S-20220201-22	550-178372-13	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783721	LVW 3.5-S-20220201-23	550-178372-14	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783721	LVW 3.5-S-20220202-00	550-178372-15	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783721	LVW 3.5-S-20220202-01	550-178372-16	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783721	LVW 3.5-S-20220202-02	550-178372-17	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783721	LVW 3.5-S-20220202-03	550-178372-18	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783721	LVW 3.5-S-20220202-04	550-178372-19	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783721	LVW 3.5-S-20220202-05	550-178372-20	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783721	LVW 3.5-S-20220202-06	550-178372-21	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783721	LVW 3.5-S-20220202-07	550-178372-22	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783721	LVW 3.5-S-20220202-08	550-178372-23	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783721	LVW 3.5-S-20220202-09	550-178372-24	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783731	LVW 4.2-C-20220201-08	550-178373-1	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783731	LVW 4.2-C-20220201-09	550-178373-2	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783731	LVW 4.2-C-20220201-10	550-178373-3	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783731	LVW 4.2-C-20220201-11	550-178373-4	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783731	LVW 4.2-C-20220201-12	550-178373-5	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783731	LVW 4.2-C-20220201-13	550-178373-6	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783731	LVW 4.2-C-20220201-14	550-178373-7	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783731	LVW 4.2-C-20220201-15	550-178373-8	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783731	LVW 4.2-C-20220201-16	550-178373-9	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783731	LVW 4.2-C-20220201-17	550-178373-10	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783731	LVW 4.2-C-20220201-18	550-178373-11	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783731	LVW 4.2-C-20220201-19	550-178373-12	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783731	LVW 4.2-C-20220201-20	550-178373-13	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783731	LVW 4.2-C-20220201-21	550-178373-14	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783731	LVW 4.2-C-20220201-22	550-178373-15	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783731	LVW 4.2-C-20220201-23	550-178373-16	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783731	LVW 4.2-C-20220202-00	550-178373-17	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783731	LVW 4.2-C-20220202-01	550-178373-18	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783731	LVW 4.2-C-20220202-02	550-178373-19	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783731	LVW 4.2-C-20220202-03	550-178373-20	2/1/2022	Stage 2A	Water	X	X	X

Table I. Sample Cross Reference

LDC	SDG	Client Sample ID	Lab ID	Sample Date	Validation Level	Matrix	Chlorate (300.1B)	Perchlorate (314.0)	TDS (2540C)
53767	5501783731	LVW 4.2-C-20220202-04	550-178373-21	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783731	LVW 4.2-C-20220202-05	550-178373-22	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783731	LVW 4.2-C-20220202-06	550-178373-23	2/1/2022	Stage 2A	Water	X	X	X
53767	5501783731	LVW 4.2-C-20220202-07	550-178373-24	2/1/2022	Stage 2A	Water	X	X	X
53767	5501785481	LVW 5.3-N-20220203-08	550-178548-1	2/3/2022	Stage 2A	Water	X	X	X
53767	5501785481	LVW 5.3-N-20220203-09	550-178548-2	2/3/2022	Stage 2A	Water	X	X	X
53767	5501785481	LVW 5.3-N-20220203-10	550-178548-3	2/3/2022	Stage 2A	Water	X	X	X
53767	5501785481	LVW 5.3-N-20220203-11	550-178548-4	2/3/2022	Stage 2A	Water	X	X	X
53767	5501785481	LVW 5.3-N-20220203-12	550-178548-5	2/3/2022	Stage 2A	Water	X	X	X
53767	5501785481	LVW 5.3-N-20220203-13	550-178548-6	2/3/2022	Stage 2A	Water	X	X	X
53767	5501785481	LVW 5.3-N-20220203-14	550-178548-7	2/3/2022	Stage 2A	Water	X	X	X
53767	5501785481	LVW 5.3-N-20220203-15	550-178548-8	2/3/2022	Stage 2A	Water	X	X	X
53767	5501785481	LVW 5.3-N-20220203-16	550-178548-9	2/3/2022	Stage 2A	Water	X	X	X
53767	5501785481	LVW 5.3-N-20220203-17	550-178548-10	2/3/2022	Stage 2A	Water	X	X	X
53767	5501785481	LVW 5.3-N-20220203-18	550-178548-11	2/3/2022	Stage 2A	Water	X	X	X
53767	5501785481	LVW 5.3-N-20220203-19	550-178548-12	2/3/2022	Stage 2A	Water	X	X	X
53767	5501785481	LVW 5.3-N-20220203-20	550-178548-13	2/3/2022	Stage 2A	Water	X	X	X
53767	5501785481	LVW 5.3-N-20220203-21	550-178548-14	2/3/2022	Stage 2A	Water	X	X	X
53767	5501785481	LVW 5.3-N-20220203-22	550-178548-15	2/3/2022	Stage 2A	Water	X	X	X
53767	5501785481	LVW 5.3-N-20220203-23	550-178548-16	2/3/2022	Stage 2A	Water	X	X	X
53767	5501785481	LVW 5.3-N-20220204-00	550-178548-17	2/4/2022	Stage 2A	Water	X	X	X
53767	5501785481	LVW 5.3-N-20220204-01	550-178548-18	2/4/2022	Stage 2A	Water	X	X	X
53767	5501785481	LVW 5.3-N-20220204-02	550-178548-19	2/4/2022	Stage 2A	Water	X	X	X
53767	5501785481	LVW 5.3-N-20220204-03	550-178548-20	2/4/2022	Stage 2A	Water	X	X	X
53767	5501785481	LVW 5.3-N-20220204-04	550-178548-21	2/4/2022	Stage 2A	Water	X	X	X
53767	5501785481	LVW 5.3-N-20220204-05	550-178548-22	2/4/2022	Stage 2A	Water	X	X	X
53767	5501785481	LVW 5.3-N-20220204-06	550-178548-23	2/4/2022	Stage 2A	Water	X	X	X
53767	5501785481	LVW 5.3-N-20220204-07	550-178548-24	2/4/2022	Stage 2A	Water	X	X	X
53767	5501785501	LVW 5.3-S-20220203-08	550-178550-1	2/3/2022	Stage 2A	Water	X	X	X
53767	5501785501	LVW 5.3-S-20220203-09	550-178550-2	2/3/2022	Stage 2A	Water	X	X	X
53767	5501785501	LVW 5.3-S-20220203-10	550-178550-3	2/3/2022	Stage 2A	Water	X	X	X
53767	5501785501	LVW 5.3-S-20220203-11	550-178550-4	2/3/2022	Stage 2A	Water	X	X	X
53767	5501785501	LVW 5.3-S-20220203-12	550-178550-5	2/3/2022	Stage 2A	Water	X	X	X
53767	5501785501	LVW 5.3-S-20220203-13	550-178550-6	2/3/2022	Stage 2A	Water	X	X	X

Table I. Sample Cross Reference

LDC	SDG	Client Sample ID	Lab ID	Sample Date	Validation Level	Matrix	Chlorate (300.1B)	Perchlorate (314.0)	TDS (2540C)
53767	5501785501	LVW 5.3-S-20220203-14	550-178550-7	2/3/2022	Stage 2A	Water	X	X	X
53767	5501785501	LVW 5.3-S-20220203-15	550-178550-8	2/3/2022	Stage 2A	Water	X	X	X
53767	5501785501	LVW 5.3-S-20220203-16	550-178550-9	2/3/2022	Stage 2A	Water	X	X	X
53767	5501785501	LVW 5.3-S-20220203-17	550-178550-10	2/3/2022	Stage 2A	Water	X	X	X
53767	5501785501	LVW 5.3-S-20220203-18	550-178550-11	2/3/2022	Stage 2A	Water	X	X	X
53767	5501785501	LVW 5.3-S-20220203-19	550-178550-12	2/3/2022	Stage 2A	Water	X	X	X
53767	5501785501	LVW 5.3-S-20220203-20	550-178550-13	2/3/2022	Stage 2A	Water	X	X	X
53767	5501785501	LVW 5.3-S-20220203-21	550-178550-14	2/3/2022	Stage 2A	Water	X	X	X
53767	5501785501	LVW 5.3-S-20220203-22	550-178550-15	2/3/2022	Stage 2A	Water	X	X	X
53767	5501785501	LVW 5.3-S-20220203-23	550-178550-16	2/3/2022	Stage 2A	Water	X	X	X
53767	5501785501	LVW 5.3-S-20220204-00	550-178550-17	2/4/2022	Stage 2A	Water	X	X	X
53767	5501785501	LVW 5.3-S-20220204-01	550-178550-18	2/4/2022	Stage 2A	Water	X	X	X
53767	5501785501	LVW 5.3-S-20220204-02	550-178550-19	2/4/2022	Stage 2A	Water	X	X	X
53767	5501785501	LVW 5.3-S-20220204-03	550-178550-20	2/4/2022	Stage 2A	Water	X	X	X
53767	5501785501	LVW 5.3-S-20220204-04	550-178550-21	2/4/2022	Stage 2A	Water	X	X	X
53767	5501785501	LVW 5.3-S-20220204-05	550-178550-22	2/4/2022	Stage 2A	Water	X	X	X
53767	5501785501	LVW 5.3-S-20220204-06	550-178550-23	2/4/2022	Stage 2A	Water	X	X	X
53767	5501785501	LVW 5.3-S-20220204-07	550-178550-24	2/4/2022	Stage 2A	Water	X	X	X
53767	5501785521	LVW 7.2-20220203-08	550-178552-1	2/3/2022	Stage 2A	Water	X	X	X
53767	5501785521	LVW 7.2-20220203-09	550-178552-2	2/3/2022	Stage 2A	Water	X	X	X
53767	5501785521	LVW 7.2-20220203-10	550-178552-3	2/3/2022	Stage 2A	Water	X	X	X
53767	5501785521	LVW 7.2-20220203-11	550-178552-4	2/3/2022	Stage 2A	Water	X	X	X
53767	5501785521	LVW 7.2-20220203-12	550-178552-5	2/3/2022	Stage 2A	Water	X	X	X
53767	5501785521	LVW 7.2-20220203-13	550-178552-6	2/3/2022	Stage 2A	Water	X	X	X
53767	5501785521	LVW 7.2-20220203-14	550-178552-7	2/3/2022	Stage 2A	Water	X	X	X
53767	5501785521	LVW 7.2-20220203-15	550-178552-8	2/3/2022	Stage 2A	Water	X	X	X
53767	5501785521	LVW 7.2-20220203-16	550-178552-9	2/3/2022	Stage 2A	Water	X	X	X
53767	5501785521	LVW 7.2-20220203-17	550-178552-10	2/3/2022	Stage 2A	Water	X	X	X
53767	5501785521	LVW 7.2-20220203-18	550-178552-11	2/3/2022	Stage 2A	Water	X	X	X
53767	5501785521	LVW 7.2-20220203-19	550-178552-12	2/3/2022	Stage 2A	Water	X	X	X
53767	5501785521	LVW 7.2-20220203-20	550-178552-13	2/3/2022	Stage 2A	Water	X	X	X
53767	5501785521	LVW 7.2-20220203-21	550-178552-14	2/3/2022	Stage 2A	Water	X	X	X
53767	5501785521	LVW 7.2-20220203-22	550-178552-15	2/3/2022	Stage 2A	Water	X	X	X
53767	5501785521	LVW 7.2-20220203-23	550-178552-16	2/3/2022	Stage 2A	Water	X	X	X

Table I. Sample Cross Reference

LDC	SDG	Client Sample ID	Lab ID	Sample Date	Validation Level	Matrix	Chlorate (300.1B)	Perchlorate (314.0)	TDS (2540C)
53767	5501785521	LVW 7.2-20220204-00	550-178552-17	2/4/2022	Stage 2A	Water	X	X	X
53767	5501785521	LVW 7.2-20220204-01	550-178552-18	2/4/2022	Stage 2A	Water	X	X	X
53767	5501785521	LVW 7.2-20220204-02	550-178552-19	2/4/2022	Stage 2A	Water	X	X	X
53767	5501785521	LVW 7.2-20220204-03	550-178552-20	2/4/2022	Stage 2A	Water	X	X	X
53767	5501785521	LVW 7.2-20220204-04	550-178552-21	2/4/2022	Stage 2A	Water	X	X	X
53767	5501785521	LVW 7.2-20220204-05	550-178552-22	2/4/2022	Stage 2A	Water	X	X	X
53767	5501785521	LVW 7.2-20220204-06	550-178552-23	2/4/2022	Stage 2A	Water	X	X	X
53767	5501785521	LVW 7.2-20220204-07	550-178552-24	2/4/2022	Stage 2A	Water	X	X	X
53767	5501785541	LVW 4.2-C-20220203-08	550-178554-1	2/3/2022	Stage 2A	Water	X	X	X
53767	5501785541	LVW 4.2-C-20220203-09	550-178554-2	2/3/2022	Stage 2A	Water	X	X	X
53767	5501785541	LVW 4.2-C-20220203-10	550-178554-3	2/3/2022	Stage 2A	Water	X	X	X
53767	5501785541	LVW 4.2-C-20220203-11	550-178554-4	2/3/2022	Stage 2A	Water	X	X	X
53767	5501785541	LVW 4.2-C-20220203-12	550-178554-5	2/3/2022	Stage 2A	Water	X	X	X
53767	5501785541	LVW 4.2-C-20220203-13	550-178554-6	2/3/2022	Stage 2A	Water	X	X	X
53767	5501785541	LVW 4.2-C-20220203-14	550-178554-7	2/3/2022	Stage 2A	Water	X	X	X
53767	5501785541	LVW 4.2-C-20220203-15	550-178554-8	2/3/2022	Stage 2A	Water	X	X	X
53767	5501785541	LVW 4.2-C-20220203-16	550-178554-9	2/3/2022	Stage 2A	Water	X	X	X
53767	5501785541	LVW 4.2-C-20220203-17	550-178554-10	2/3/2022	Stage 2A	Water	X	X	X
53767	5501785541	LVW 4.2-C-20220203-18	550-178554-11	2/3/2022	Stage 2A	Water	X	X	X
53767	5501785541	LVW 4.2-C-20220203-19	550-178554-12	2/3/2022	Stage 2A	Water	X	X	X
53767	5501785541	LVW 4.2-C-20220203-20	550-178554-13	2/3/2022	Stage 2A	Water	X	X	X
53767	5501785541	LVW 4.2-C-20220203-21	550-178554-14	2/3/2022	Stage 2A	Water	X	X	X
53767	5501785541	LVW 4.2-C-20220203-22	550-178554-15	2/3/2022	Stage 2A	Water	X	X	X
53767	5501785541	LVW 4.2-C-20220203-23	550-178554-16	2/3/2022	Stage 2A	Water	X	X	X
53767	5501785541	LVW 4.2-C-20220204-00	550-178554-17	2/4/2022	Stage 2A	Water	X	X	X
53767	5501785541	LVW 4.2-C-20220204-01	550-178554-18	2/4/2022	Stage 2A	Water	X	X	X
53767	5501785541	LVW 4.2-C-20220204-02	550-178554-19	2/4/2022	Stage 2A	Water	X	X	X
53767	5501785541	LVW 4.2-C-20220204-03	550-178554-20	2/4/2022	Stage 2A	Water	X	X	X
53767	5501785541	LVW 4.2-C-20220204-04	550-178554-21	2/4/2022	Stage 2A	Water	X	X	X
53767	5501785541	LVW 4.2-C-20220204-05	550-178554-22	2/4/2022	Stage 2A	Water	X	X	X
53767	5501785541	LVW 4.2-C-20220204-06	550-178554-23	2/4/2022	Stage 2A	Water	X	X	X
53767	5501785541	LVW 4.2-C-20220204-07	550-178554-24	2/4/2022	Stage 2A	Water	X	X	X
53767	5501785551	LVW 4.2-N-20220203-08	550-178555-1	2/3/2022	Stage 2A	Water	X	X	X
53767	5501785551	LVW 4.2-N-20220203-09	550-178555-2	2/3/2022	Stage 2A	Water	X	X	X

Table I. Sample Cross Reference

LDC	SDG	Client Sample ID	Lab ID	Sample Date	Validation Level	Matrix	Chlorate (300.1B)	Perchlorate (314.0)	TDS (2540C)
53767	5501785551	LVW 4.2-N-20220203-10	550-178555-3	2/3/2022	Stage 2A	Water	X	X	X
53767	5501785551	LVW 4.2-N-20220203-11	550-178555-4	2/3/2022	Stage 2A	Water	X	X	X
53767	5501785551	LVW 4.2-N-20220203-12	550-178555-5	2/3/2022	Stage 2A	Water	X	X	X
53767	5501785551	LVW 4.2-N-20220203-13	550-178555-6	2/3/2022	Stage 2A	Water	X	X	X
53767	5501785551	LVW 4.2-N-20220203-14	550-178555-7	2/3/2022	Stage 2A	Water	X	X	X
53767	5501785551	LVW 4.2-N-20220203-15	550-178555-8	2/3/2022	Stage 2A	Water	X	X	X
53767	5501785551	LVW 4.2-N-20220203-16	550-178555-9	2/3/2022	Stage 2A	Water	X	X	X
53767	5501785551	LVW 4.2-N-20220203-17	550-178555-10	2/3/2022	Stage 2A	Water	X	X	X
53767	5501785551	LVW 4.2-N-20220203-18	550-178555-11	2/3/2022	Stage 2A	Water	X	X	X
53767	5501785551	LVW 4.2-N-20220203-19	550-178555-12	2/3/2022	Stage 2A	Water	X	X	X
53767	5501785551	LVW 4.2-N-20220203-20	550-178555-13	2/3/2022	Stage 2A	Water	X	X	X
53767	5501785551	LVW 4.2-N-20220203-21	550-178555-14	2/3/2022	Stage 2A	Water	X	X	X
53767	5501785551	LVW 4.2-N-20220203-22	550-178555-15	2/3/2022	Stage 2A	Water	X	X	X
53767	5501785551	LVW 4.2-N-20220203-23	550-178555-16	2/3/2022	Stage 2A	Water	X	X	X
53767	5501785551	LVW 4.2-N-20220204-00	550-178555-17	2/4/2022	Stage 2A	Water	X	X	X
53767	5501785551	LVW 4.2-N-20220204-01	550-178555-18	2/4/2022	Stage 2A	Water	X	X	X
53767	5501785551	LVW 4.2-N-20220204-02	550-178555-19	2/4/2022	Stage 2A	Water	X	X	X
53767	5501785551	LVW 4.2-N-20220204-03	550-178555-20	2/4/2022	Stage 2A	Water	X	X	X
53767	5501785551	LVW 4.2-N-20220204-04	550-178555-21	2/4/2022	Stage 2A	Water	X	X	X
53767	5501785551	LVW 4.2-N-20220204-05	550-178555-22	2/4/2022	Stage 2A	Water	X	X	X
53767	5501785551	LVW 4.2-N-20220204-06	550-178555-23	2/4/2022	Stage 2A	Water	X	X	X
53767	5501785551	LVW 4.2-N-20220204-07	550-178555-24	2/4/2022	Stage 2A	Water	X	X	X
53767	5501785561	LVW 4.2-S-20220203-08	550-178556-1	2/3/2022	Stage 2A	Water	X	X	X
53767	5501785561	LVW 4.2-S-20220203-09	550-178556-2	2/3/2022	Stage 2A	Water	X	X	X
53767	5501785561	LVW 4.2-S-20220203-10	550-178556-3	2/3/2022	Stage 2A	Water	X	X	X
53767	5501785561	LVW 4.2-S-20220203-11	550-178556-4	2/3/2022	Stage 2A	Water	X	X	X
53767	5501785561	LVW 4.2-S-20220203-12	550-178556-5	2/3/2022	Stage 2A	Water	X	X	X
53767	5501785561	LVW 4.2-S-20220203-13	550-178556-6	2/3/2022	Stage 2A	Water	X	X	X
53767	5501785561	LVW 4.2-S-20220203-14	550-178556-7	2/3/2022	Stage 2A	Water	X	X	X
53767	5501785561	LVW 4.2-S-20220203-15	550-178556-8	2/3/2022	Stage 2A	Water	X	X	X
53767	5501785561	LVW 4.2-S-20220203-16	550-178556-9	2/3/2022	Stage 2A	Water	X	X	X
53767	5501785561	LVW 4.2-S-20220203-17	550-178556-10	2/3/2022	Stage 2A	Water	X	X	X
53767	5501785561	LVW 4.2-S-20220203-18	550-178556-11	2/3/2022	Stage 2A	Water	X	X	X
53767	5501785561	LVW 4.2-S-20220203-19	550-178556-12	2/3/2022	Stage 2A	Water	X	X	X



**Table I. Sample Cross Reference**

<b>LDC</b>	<b>SDG</b>	<b>Client Sample ID</b>	<b>Lab ID</b>	<b>Sample Date</b>	<b>Validation Level</b>	<b>Matrix</b>	<b>Chlorate (300.1B)</b>	<b>Perchlorate (314.0)</b>	<b>TDS (2540C)</b>
53767	5501785561	LVW 4.2-S-20220203-20	550-178556-13	2/3/2022	Stage 2A	Water	X	X	X
53767	5501785561	LVW 4.2-S-20220203-21	550-178556-14	2/3/2022	Stage 2A	Water	X	X	X
53767	5501785561	LVW 4.2-S-20220203-22	550-178556-15	2/3/2022	Stage 2A	Water	X	X	X
53767	5501785561	LVW 4.2-S-20220203-23	550-178556-16	2/3/2022	Stage 2A	Water	X	X	X
53767	5501785561	LVW 4.2-S-20220204-00	550-178556-17	2/4/2022	Stage 2A	Water	X	X	X
53767	5501785561	LVW 4.2-S-20220204-01	550-178556-18	2/4/2022	Stage 2A	Water	X	X	X
53767	5501785561	LVW 4.2-S-20220204-02	550-178556-19	2/4/2022	Stage 2A	Water	X	X	X
53767	5501785561	LVW 4.2-S-20220204-03	550-178556-20	2/4/2022	Stage 2A	Water	X	X	X
53767	5501785561	LVW 4.2-S-20220204-04	550-178556-21	2/4/2022	Stage 2A	Water	X	X	X
53767	5501785561	LVW 4.2-S-20220204-05	550-178556-22	2/4/2022	Stage 2A	Water	X	X	X
53767	5501785561	LVW 4.2-S-20220204-06	550-178556-23	2/4/2022	Stage 2A	Water	X	X	X
53767	5501785561	LVW 4.2-S-20220204-07	550-178556-24	2/4/2022	Stage 2A	Water	X	X	X

**Table II. Stage 2A Validation Elements**

Quality Control Elements	Stage 2A
	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	N/A
Inductively Coupled Plasma (ICP) Interference Check Sample	N/A
Surrogate Spikes	√
Matrix Spike (MS)/ Matrix Spike Duplicate (MSD)	√
Laboratory Duplicate (DUP)	√
Laboratory Control Sample (LCS)/ Laboratory Control Sample Duplicate (LCSD)	√
Serial Dilution	N/A
Internal Standards	N/A
Field Duplicate	N/A
Practical Quantitation Limits (PQLs) <sup>1</sup>	√
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

<sup>1</sup>PQLs verified for all methods.

**Table III. Stage 2A Validation Percentages**

<b>Parameter</b>	<b>Stage 2A Results</b>	<b>Total Results</b>	<b>Stage 2A (%)</b>
Chlorate	1098	1098	100
Perchlorate	1100	1100	100
TDS	1096	1096	100

**Table IV. Reason Codes and Definitions**

<b>Reason Code</b>	<b>Explanation</b>
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	Sample Date	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	SQL	PQL	Units	Lidator Quali	Reason Code	Data Quality Indicator	Qualification Findin	Acceptance Criteria
5501685771	LVW 4.2-N-0.5-20210803-11	08/03/21	E314.0	550-168577-1	Perchlorate	47		0.31	0.63	ug/l	J+	m	MS/MSD %R	-,121	80-120 %
5501685771	LVW 4.2-N-0.5-20210803-12	08/03/21	E314.0	550-168577-2	Perchlorate	54		0.31	0.63	ug/l	J+	m	MS/MSD %R	-,121	80-120 %
5501685771	LVW 4.2-N-0.5-20210803-13	08/03/21	E314.0	550-168577-3	Perchlorate	52		0.31	0.63	ug/l	J+	m	MS/MSD %R	-,121	80-120 %
5501685771	LVW 4.2-N-0.5-20210803-14	08/03/21	E314.0	550-168577-4	Perchlorate	55		0.31	0.63	ug/l	J+	m	MS/MSD %R	-,121	80-120 %
5501685771	LVW 4.2-N-0.5-20210803-15	08/03/21	E314.0	550-168577-5	Perchlorate	50		0.31	0.63	ug/l	J+	m	MS/MSD %R	-,121	80-120 %
5501685771	LVW 4.2-N-0.5-20210803-16	08/03/21	E314.0	550-168577-6	Perchlorate	39		0.31	0.63	ug/l	J+	m	MS/MSD %R	-,121	80-120 %
5501685771	LVW 4.2-N-0.5-20210803-17	08/03/21	E314.0	550-168577-7	Perchlorate	36		0.31	0.63	ug/l	J+	m	MS/MSD %R	-,121	80-120 %
5501685771	LVW 4.2-N-0.5-20210803-18	08/03/21	E314.0	550-168577-8	Perchlorate	29		0.31	0.63	ug/l	J-	m	MS/MSD %R	46,50	80-120 %
5501685771	LVW 4.2-N-0.5-20210803-19	08/03/21	E314.0	550-168577-9	Perchlorate	27		0.31	0.63	ug/l	J-	m	MS/MSD %R	46,50	80-120 %
5501685771	LVW 4.2-N-0.5-20210803-20	08/03/21	E314.0	550-168577-10	Perchlorate	26		0.31	0.63	ug/l	J-	m	MS/MSD %R	46,50	80-120 %
5501685771	LVW 4.2-N-0.5-20210803-21	08/03/21	E314.0	550-168577-11	Perchlorate	25		0.31	0.63	ug/l	J-	m	MS/MSD %R	46,50	80-120 %
5501685771	LVW 4.2-N-0.5-20210803-22	08/03/21	E314.0	550-168577-12	Perchlorate	25		0.31	0.63	ug/l	J-	m	MS/MSD %R	46,50	80-120 %
5501685771	LVW 4.2-N-0.5-20210803-23	08/03/21	E314.0	550-168577-13	Perchlorate	27		0.31	0.63	ug/l	J-	m	MS/MSD %R	46,50	80-120 %
5501685771	LVW 4.2-N-0.5-20210804-00	08/04/21	E314.0	550-168577-14	Perchlorate	28		0.31	0.63	ug/l	J-	m	MS/MSD %R	46,50	80-120 %
5501685771	LVW 4.2-N-0.5-20210804-01	08/04/21	E314.0	550-168577-15	Perchlorate	26		0.31	0.63	ug/l	J-	m	MS/MSD %R	46,50	80-120 %
5501685771	LVW 4.2-N-0.5-20210804-02	08/04/21	E314.0	550-168577-16	Perchlorate	26		0.31	0.63	ug/l	J-	m	MS/MSD %R	46,50	80-120 %
5501685771	LVW 4.2-N-0.5-20210804-03	08/04/21	E314.0	550-168577-17	Perchlorate	26		0.31	0.63	ug/l	J-	m	MS/MSD %R	46,50	80-120 %
5501685861	LVW 4.2-S-0.5-20210804-22	08/04/21	E314.0	550-168586-16	Perchlorate	71	F1	0.31	0.63	ug/l	J-	m	MS/MSD %R	46,50	80-120 %
5501685861	LVW 4.2-S-0.5-20210804-23	08/04/21	E314.0	550-168586-17	Perchlorate	52		0.31	0.63	ug/l	J-	m	MS/MSD %R	46,50	80-120 %
5501685861	LVW 4.2-S-0.5-20210805-00	08/05/21	E314.0	550-168586-18	Perchlorate	46		0.31	0.63	ug/l	J-	m	MS/MSD %R	46,50	80-120 %
5501685861	LVW 4.2-S-0.5-20210805-01	08/05/21	E314.0	550-168586-19	Perchlorate	46		0.31	0.63	ug/l	J-	m	MS/MSD %R	46,50	80-120 %
5501685861	LVW 4.2-S-0.5-20210805-02	08/05/21	E314.0	550-168586-20	Perchlorate	46		0.31	0.63	ug/l	J-	m	MS/MSD %R	46,50	80-120 %
5501685861	LVW 4.2-S-0.5-20210805-03	08/05/21	E314.0	550-168586-21	Perchlorate	47		0.31	0.63	ug/l	J-	m	MS/MSD %R	46,50	80-120 %
5501685861	LVW 4.2-S-0.5-20210805-04	08/05/21	E314.0	550-168586-22	Perchlorate	47		0.31	0.63	ug/l	J-	m	MS/MSD %R	46,50	80-120 %
5501685861	LVW 4.2-S-0.5-20210805-05	08/05/21	E314.0	550-168586-23	Perchlorate	48		0.31	0.63	ug/l	J-	m	MS/MSD %R	46,50	80-120 %
5501685861	LVW 4.2-S-0.5-20210805-06	08/05/21	E314.0	550-168586-24	Perchlorate	54	F1	0.31	0.63	ug/l	J+	m	MS/MSD %R	-,121	80-120 %
5501685871	LVW 5.3-S-1.0-20210804-10	08/04/21	E300.1	550-168587-3	Chlorate	180		4.9	9.8	ug/l	J-	m	MS/MSD %R	-,72	75-125 %
5501685871	LVW 5.3-S-1.0-20210804-11	08/04/21	E300.1	550-168587-4	Chlorate	170		4.9	9.8	ug/l	J-	m	MS/MSD %R	-,72	75-125 %
5501685871	LVW 5.3-S-1.0-20210804-12	08/04/21	E300.1	550-168587-5	Chlorate	170		4.9	9.8	ug/l	J-	m	MS/MSD %R	-,72	75-125 %
5501685871	LVW 5.3-S-1.0-20210804-13	08/04/21	E300.1	550-168587-6	Chlorate	170		4.9	9.8	ug/l	J-	m	MS/MSD %R	-,72	75-125 %
5501685871	LVW 5.3-S-1.0-20210804-14	08/04/21	E300.1	550-168587-7	Chlorate	190		4.9	9.8	ug/l	J-	m	MS/MSD %R	-,72	75-125 %
5501685871	LVW 5.3-S-1.0-20210804-15	08/04/21	E300.1	550-168587-8	Chlorate	220		4.9	9.8	ug/l	J-	m	MS/MSD %R	-,72	75-125 %
5501685871	LVW 5.3-S-1.0-20210804-16	08/04/21	E300.1	550-168587-9	Chlorate	240		4.9	9.8	ug/l	J-	m	MS/MSD %R	-,72	75-125 %
5501685871	LVW 5.3-S-1.0-20210804-17	08/04/21	E300.1	550-168587-10	Chlorate	260		4.9	9.8	ug/l	J-	m	MS/MSD %R	-,72	75-125 %
5501685871	LVW 5.3-S-1.0-20210804-18	08/04/21	E300.1	550-168587-11	Chlorate	310	F1	4.9	9.8	ug/l	J-	m	MS/MSD %R	-,72	75-125 %
5501685871	LVW 5.3-S-1.0-20210804-19	08/04/21	E300.1	550-168587-12	Chlorate	230		4.9	9.8	ug/l	J-	m	MS/MSD %R	-,72	75-125 %
5501685871	LVW 5.3-S-1.0-20210804-20	08/04/21	E300.1	550-168587-13	Chlorate	220		4.9	9.8	ug/l	J-	m	MS/MSD %R	-,72	75-125 %
5501685871	LVW 5.3-S-1.0-20210804-21	08/04/21	E300.1	550-168587-14	Chlorate	200		4.9	9.8	ug/l	J-	m	MS/MSD %R	-,72	75-125 %
5501685871	LVW 5.3-S-1.0-20210804-22	08/04/21	E300.1	550-168587-15	Chlorate	200		4.9	9.8	ug/l	J-	m	MS/MSD %R	-,72	75-125 %
5501685871	LVW 5.3-S-1.0-20210804-23	08/04/21	E300.1	550-168587-16	Chlorate	190		4.9	9.8	ug/l	J-	m	MS/MSD %R	-,72	75-125 %
5501685871	LVW 5.3-S-1.0-20210805-00	08/05/21	E300.1	550-168587-17	Chlorate	190		4.9	9.8	ug/l	J-	m	MS/MSD %R	-,72	75-125 %
5501685871	LVW 5.3-S-1.0-20210805-01	08/05/21	E300.1	550-168587-18	Chlorate	170		4.9	9.8	ug/l	J-	m	MS/MSD %R	-,72	75-125 %
5501686011	LVW 5.3-C-1.0-20210804-12	08/04/21	E300.1	550-168601-2	Chlorate	170		4.9	9.8	ug/l	J-	m	MS/MSD %R	64,63	75-125 %
5501686011	LVW 5.3-C-1.0-20210804-13	08/04/21	E300.1	550-168601-3	Chlorate	170		4.9	9.8	ug/l	J-	m	MS/MSD %R	64,63	75-125 %
5501686011	LVW 5.3-C-1.0-20210804-14	08/04/21	E300.1	550-168601-4	Chlorate	240	F1	4.9	9.8	ug/l	J-	m	MS/MSD %R	64,63	75-125 %
5501686011	LVW 5.3-C-1.0-20210804-15	08/04/21	E300.1	550-168601-5	Chlorate	200		4.9	9.8	ug/l	J-	m	MS/MSD %R	64,63	75-125 %
5501686011	LVW 5.3-C-1.0-20210804-16	08/04/21	E300.1	550-168601-6	Chlorate	220		4.9	9.8	ug/l	J-	m	MS/MSD %R	64,63	75-125 %
5501686011	LVW 5.3-C-1.0-20210804-17	08/04/21	E300.1	550-168601-7	Chlorate	240		4.9	9.8	ug/l	J-	m	MS/MSD %R	64,63	75-125 %
5501686011	LVW 5.3-C-1.0-20210804-18	08/04/21	E300.1	550-168601-8	Chlorate	260		4.9	9.8	ug/l	J-	m	MS/MSD %R	64,63	75-125 %
5501686011	LVW 5.3-C-1.0-20210804-19	08/04/21	E300.1	550-168601-9	Chlorate	260		4.9	9.8	ug/l	J-	m	MS/MSD %R	64,63	75-125 %
5501686011	LVW 5.3-C-1.0-20210804-20	08/04/21	E300.1	550-168601-10	Chlorate	240		4.9	9.8	ug/l	J-	m	MS/MSD %R	64,63	75-125 %

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	SQL	PQL	Units	Lidator Qualif	Reason Code	Data Quality Indicator	Qualification Findin	Acceptance Criteria
5501686011	LVW 5.3-C-1.0-20210804-21	08/04/21	E300.1	550-168601-11	Chlorate	220		4.9	9.8	ug/l	J-	m	MS/MSD %R	64,63	75-125 %
5501686621	LVW 4.2-S-0.5-20210803-22	08/03/21	E300.1	550-168662-16	Chlorate	290	F1	4.9	9.8	ug/l	J+	m	MS/MSD %R	-,139; 137,138	75-125 %
5501686621	LVW 4.2-S-0.5-20210803-23	08/03/21	E300.1	550-168662-17	Chlorate	300		4.9	9.8	ug/l	J+	m	MS/MSD %R	-,139; 137,138	75-125 %
5501686621	LVW 4.2-S-0.5-20210804-00	08/04/21	E300.1	550-168662-18	Chlorate	250		4.9	9.8	ug/l	J+	m	MS/MSD %R	-,139; 137,138	75-125 %
5501686621	LVW 4.2-S-0.5-20210804-01	08/04/21	E300.1	550-168662-19	Chlorate	290		4.9	9.8	ug/l	J+	m	MS/MSD %R	-,139; 137,138	75-125 %
5501686621	LVW 4.2-S-0.5-20210804-02	08/04/21	E300.1	550-168662-20	Chlorate	270		4.9	9.8	ug/l	J+	m	MS/MSD %R	-,139; 137,138	75-125 %
5501686621	LVW 4.2-S-0.5-20210804-03	08/04/21	E300.1	550-168662-21	Chlorate	270		4.9	9.8	ug/l	J+	m	MS/MSD %R	-,139; 137,138	75-125 %
5501686621	LVW 4.2-S-0.5-20210804-04	08/04/21	E300.1	550-168662-22	Chlorate	290		4.9	9.8	ug/l	J+	m	MS/MSD %R	-,139; 137,138	75-125 %
5501686621	LVW 4.2-S-0.5-20210804-05	08/04/21	E300.1	550-168662-23	Chlorate	280	F1	4.9	9.8	ug/l	J+	m	MS/MSD %R	-,139; 137,138	75-125 %
5501686621	LVW 4.2-S-0.5-20210804-06	08/04/21	E300.1	550-168662-24	Chlorate	300		4.9	9.8	ug/l	J+	m	MS/MSD %R	-,139; 137,138	75-125 %
5501686641	LVW 3.5-C-1.0-20210804-12	08/04/21	E300.1	550-168664-1	Chlorate	260		4.9	9.8	ug/l	J+	m	MS/MSD %R	137, 138	75-125 %
5501686641	LVW 3.5-C-1.0-20210804-13	08/04/21	E300.1	550-168664-2	Chlorate	260		4.9	9.8	ug/l	J+	m	MS/MSD %R	137, 138	75-125 %
5501686641	LVW 3.5-C-1.0-20210804-14	08/04/21	E300.1	550-168664-3	Chlorate	260		4.9	9.8	ug/l	J+	m	MS/MSD %R	137, 138	75-125 %
5501686641	LVW 3.5-C-1.0-20210804-15	08/04/21	E300.1	550-168664-4	Chlorate	250		4.9	9.8	ug/l	J+	m	MS/MSD %R	137, 138	75-125 %
5501686641	LVW 3.5-C-1.0-20210804-16	08/04/21	E300.1	550-168664-5	Chlorate	240		4.9	9.8	ug/l	J+	m	MS/MSD %R	137, 138	75-125 %
5501686641	LVW 3.5-C-1.0-20210804-17	08/04/21	E300.1	550-168664-6	Chlorate	240		4.9	9.8	ug/l	J+	m	MS/MSD %R	137, 138	75-125 %
5501687331	LVW 4.2-C-1.5-20210804-13	08/04/21	SM2540C	550-168733-13	Dissolved Solids (tot	1300	H	20	20	mg/l	J-	h	Holding Time	8	7 Days
5501781821	LVW 4.2-N-20220130-10	01/30/22	E314.0	550-178182-3	Perchlorate	32	F1	0.31	0.63	ug/l	J-	m	MS/MSD %R	-,78	80-120 %
5501781821	LVW 4.2-N-20220130-11	01/30/22	E314.0	550-178182-4	Perchlorate	34		0.31	0.63	ug/l	J-	m	MS/MSD %R	-,78	80-120 %
5501781821	LVW 4.2-N-20220130-12	01/30/22	E314.0	550-178182-5	Perchlorate	38		0.31	0.63	ug/l	J-	m	MS/MSD %R	-,78	80-120 %
5501781821	LVW 4.2-N-20220130-13	01/30/22	E314.0	550-178182-6	Perchlorate	42		0.31	0.63	ug/l	J-	m	MS/MSD %R	-,78	80-120 %
5501781821	LVW 4.2-N-20220130-14	01/30/22	E314.0	550-178182-7	Perchlorate	44		0.31	0.63	ug/l	J-	m	MS/MSD %R	-,78	80-120 %
5501781821	LVW 4.2-N-20220130-15	01/30/22	E314.0	550-178182-8	Perchlorate	46		0.31	0.63	ug/l	J-	m	MS/MSD %R	-,78	80-120 %
5501781821	LVW 4.2-N-20220130-16	01/30/22	E314.0	550-178182-9	Perchlorate	43		0.31	0.63	ug/l	J-	m	MS/MSD %R	-,78	80-120 %
5501781821	LVW 4.2-N-20220130-17	01/30/22	E314.0	550-178182-10	Perchlorate	37		0.31	0.63	ug/l	J-	m	MS/MSD %R	-,78	80-120 %
5501781821	LVW 4.2-N-20220130-18	01/30/22	E314.0	550-178182-11	Perchlorate	31		0.31	0.63	ug/l	J-	m	MS/MSD %R	-,78	80-120 %
5501781821	LVW 4.2-N-20220130-19	01/30/22	E314.0	550-178182-12	Perchlorate	27		0.31	0.63	ug/l	J-	m	MS/MSD %R	-,78	80-120 %
5501781821	LVW 4.2-N-20220130-20	01/30/22	E314.0	550-178182-13	Perchlorate	24		0.31	0.63	ug/l	J-	m	MS/MSD %R	-,78	80-120 %
5501781821	LVW 4.2-N-20220130-21	01/30/22	E314.0	550-178182-14	Perchlorate	23		0.31	0.63	ug/l	J-	m	MS/MSD %R	-,78	80-120 %
5501781821	LVW 4.2-N-20220130-22	01/30/22	E314.0	550-178182-15	Perchlorate	22		0.31	0.63	ug/l	J-	m	MS/MSD %R	-,78	80-120 %
5501781821	LVW 4.2-N-20220130-23	01/30/22	E314.0	550-178182-16	Perchlorate	22		0.31	0.63	ug/l	J-	m	MS/MSD %R	-,78	80-120 %
5501781821	LVW 4.2-N-20220131-00	01/31/22	E314.0	550-178182-17	Perchlorate	23		0.31	0.63	ug/l	J-	m	MS/MSD %R	-,78	80-120 %
5501781821	LVW 4.2-N-20220131-01	01/31/22	E314.0	550-178182-18	Perchlorate	24		0.31	0.63	ug/l	J-	m	MS/MSD %R	-,78	80-120 %
5501781821	LVW 4.2-N-20220131-02	01/31/22	E314.0	550-178182-19	Perchlorate	23		0.31	0.63	ug/l	J-	m	MS/MSD %R	-,78	80-120 %
5501781821	LVW 4.2-N-20220131-03	01/31/22	E314.0	550-178182-20	Perchlorate	23		0.31	0.63	ug/l	J-	m	MS/MSD %R	-,78	80-120 %

**ATTACHMENT A**

**Wet Chemistry Data Validation Report**

**Chlorate by Environmental Protection Agency (EPA) Method 300.1B  
 Perchlorate by EPA Method 314.0  
 Total Dissolved Solids by Standard Method 2540C**

**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
550-168733-1	LVW 4.2-C-1.5-20210804-13	Total dissolved solids	8 days	7 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**

No field blanks were identified in these SDGs.

**IV. Surrogates**

Surrogates were added to all samples as required by EPA Method 300.1B. Surrogate recoveries (%R) were within QC limits.

**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
550-168577-1	LVW-4.2-S-0.5-20210804-22MS/MSD (LVW 4.2-N-0.5-20210803-18 LVW 4.2-N-0.5-20210803-19 LVW 4.2-N-0.5-20210803-20 LVW 4.2-N-0.5-20210803-21 LVW 4.2-N-0.5-20210803-22 LVW 4.2-N-0.5-20210803-23 LVW 4.2-N-0.5-20210804-00 LVW 4.2-N-0.5-20210804-01 LVW 4.2-N-0.5-20210804-02 LVW 4.2-N-0.5-20210804-03)	Perchlorate	46 (80-120)	50 (80-120)	J- (all detects)	A



SDG	Spike ID (Associated Samples)	Analyte	MS (%R) (Limits)	MSD (%R) (Limits)	Flag	A or P
550-168577-1	LVW-4.2-S-0.5-20210805-06MS/MSD (LVW 4.2-N-0.5-20210803-11 LVW 4.2-N-0.5-20210803-12 LVW 4.2-N-0.5-20210803-13 LVW 4.2-N-0.5-20210803-14 LVW 4.2-N-0.5-20210803-15 LVW 4.2-N-0.5-20210803-16 LVW 4.2-N-0.5-20210803-17)	Perchlorate	-	121 (80-120)	J+ (all detects)	A
550-168586-1	LVW-4.2-S-0.5-20210804-22MS/MSD (LVW-4.2-S-0.5-20210804-22 LVW-4.2-S-0.5-20210804-23 LVW-4.2-S-0.5-20210805-00 LVW-4.2-S-0.5-20210805-01 LVW-4.2-S-0.5-20210805-02 LVW-4.2-S-0.5-20210805-03 LVW-4.2-S-0.5-20210805-04 LVW-4.2-S-0.5-20210805-05)	Perchlorate	46 (80-120)	50 (80-120)	J- (all detects)	A
550-168586-1	LVW-4.2-S-0.5-20210805-06MS/MSD (LVW-4.2-S-0.5-20210805-06)	Perchlorate	-	121 (80-120)	J+ (all detects)	A
550-168587-1	LVW 5.3-S-1.0-20210804-18MS/MSD (LVW 5.3-S-1.0-20210804-10 LVW 5.3-S-1.0-20210804-11 LVW 5.3-S-1.0-20210804-12 LVW 5.3-S-1.0-20210804-13 LVW 5.3-S-1.0-20210804-14 LVW 5.3-S-1.0-20210804-15 LVW 5.3-S-1.0-20210804-16 LVW 5.3-S-1.0-20210804-17 LVW 5.3-S-1.0-20210804-18 LVW 5.3-S-1.0-20210804-19 LVW 5.3-S-1.0-20210804-20 LVW 5.3-S-1.0-20210804-21 LVW 5.3-S-1.0-20210804-22 LVW 5.3-S-1.0-20210804-23 LVW 5.3-S-1.0-20210805-00 LVW 5.3-S-1.0-20210805-01)	Chlorate	-	72 (75-125)	J- (all detects)	A
550-168601-1	LVW 5.3-C-1.0-20210804-14MS/MSD (LVW 5.3-C-1.0-20210804-12 LVW 5.3-C-1.0-20210804-13 LVW 5.3-C-1.0-20210804-14 LVW 5.3-C-1.0-20210804-15 LVW 5.3-C-1.0-20210804-16 LVW 5.3-C-1.0-20210804-17 LVW 5.3-C-1.0-20210804-18 LVW 5.3-C-1.0-20210804-19 LVW 5.3-C-1.0-20210804-20 LVW 5.3-C-1.0-20210804-21)	Chlorate	64 (75-125)	63 (75-125)	J- (all detects)	A
550-168662-1	LVW 4.2-S-0.5-20210803-22MS/MSD (LVW 4.2-S-0.5-20210803-22 LVW 4.2-S-0.5-20210803-23 LVW 4.2-S-0.5-20210804-00 LVW 4.2-S-0.5-20210804-01 LVW 4.2-S-0.5-20210804-02 LVW 4.2-S-0.5-20210804-03 LVW 4.2-S-0.5-20210804-04 LVW 4.2-S-0.5-20210804-05 LVW 4.2-S-0.5-20210804-06)	Chlorate	-	139 (75-125)	J+ (all detects)	A

SDG	Spike ID (Associated Samples)	Analyte	MS (%R) (Limits)	MSD (%R) (Limits)	Flag	A or P
550-168662-1	LVW 4.2-S-0.5-20210804-05MS/MSD (LVW 4.2-S-0.5-20210803-22 LVW 4.2-S-0.5-20210803-23 LVW 4.2-S-0.5-20210804-00 LVW 4.2-S-0.5-20210804-01 LVW 4.2-S-0.5-20210804-02 LVW 4.2-S-0.5-20210804-03 LVW 4.2-S-0.5-20210804-04 LVW 4.2-S-0.5-20210804-05 LVW 4.2-S-0.5-20210804-06)	Chlorate	137 (75-125)	138 (75-125)	J+ (all detects)	A
550-168664-1	LVW 4.2-S-0.5-20210804-05MS/MSD (LVW 3.5-C-1.0-20210804-12 LVW 3.5-C-1.0-20210804-13 LVW 3.5-C-1.0-20210804-14 LVW 3.5-C-1.0-20210804-15 LVW 3.5-C-1.0-20210804-16 LVW 3.5-C-1.0-20210804-17)	Chlorate	137 (75-125)	138 (75-125)	J+ (all detects)	A
550-178182-1	LVW4.2-N-20220130-10MS/MSD (LVW4.2-N-20220130-10 LVW4.2-N-20220130-11 LVW4.2-N-20220130-12 LVW4.2-N-20220130-13 LVW4.2-N-20220130-14 LVW4.2-N-20220130-15 LVW4.2-N-20220130-16 LVW4.2-N-20220130-17 LVW4.2-N-20220130-18 LVW4.2-N-20220130-19 LVW4.2-N-20220130-20 LVW4.2-N-20220130-21 LVW4.2-N-20220130-22 LVW4.2-N-20220130-23 LVW4.2-N-20220131-00 LVW4.2-N-20220131-01 LVW4.2-N-20220131-02 LVW4.2-N-20220131-03)	Perchlorate	-	78 (80-120)	J- (all detects) UJ (all non-detects)	A

Relative percent differences (RPD) were within QC limits.

## VI. Duplicate Sample Analysis

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

No field duplicates were identified in these SDGs.

## **IX. Overall Assessment of Data**

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

Due to technical holding time and MS/MSD %R, 86 results were qualified as estimated in 86 samples.

**NERT RI, Phase 3, August 2021, January-February 2022**

**Wet Chemistry - Data Qualification Summary - SDGs 550-168387-1, 550-168388-1, 550-168389-1, 550-168429-1, 550-168433-1, 550-168438-1, 550-168546-1, 550-168577-1, 550-168578-1, 550-168584-1, 550-168586-1, 550-168587-1, 550-168601-1, 550-168602-1, 550-168603-1, 550-168662-1, 550-168663-1, 550-168664-1, 550-168665-1, 550-168666-1, 550-168667-1, 550-168678-1, 550-168733-1, 550-178161-1, 550-178162-1, 550-178182-1, 550-178183-1, 550-178184-1, 550-178185-1, 550-178186-1, 550-178187-1, 550-178188-1, 550-178359-1, 550-178363-1, 550-178364-1, 550-178365-1, 550-178366-1, 550-178367-1, 550-178368-1, 550-178369-1, 550-178370-1, 550-178371-1, 550-178372-1, 550-178373-1, 550-178548-1, 550-178550-1, 550-178552-1, 550-178554-1, 550-178555-1, 550-178556-1**

SDG	Sample	Analyte	Flag	A or P	Reason (Code)
550-168733-1	LVW 4.2-C-1.5-20210804-13	Total dissolved solids	J- (all detects)	P	Technical holding times (h)
550-168577-1	LVW 4.2-N-0.5-20210803-18 LVW 4.2-N-0.5-20210803-19 LVW 4.2-N-0.5-20210803-20 LVW 4.2-N-0.5-20210803-21 LVW 4.2-N-0.5-20210803-22 LVW 4.2-N-0.5-20210803-23 LVW 4.2-N-0.5-20210804-00 LVW 4.2-N-0.5-20210804-01 LVW 4.2-N-0.5-20210804-02 LVW 4.2-N-0.5-20210804-03	Perchlorate	J- (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
550-168577-1	LVW 4.2-N-0.5-20210803-11 LVW 4.2-N-0.5-20210803-12 LVW 4.2-N-0.5-20210803-13 LVW 4.2-N-0.5-20210803-14 LVW 4.2-N-0.5-20210803-15 LVW 4.2-N-0.5-20210803-16 LVW 4.2-N-0.5-20210803-17	Perchlorate	J+ (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
550-168586-1	LVW-4.2-S-0.5-20210804-22 LVW-4.2-S-0.5-20210804-23 LVW-4.2-S-0.5-20210805-00 LVW-4.2-S-0.5-20210805-01 LVW-4.2-S-0.5-20210805-02 LVW-4.2-S-0.5-20210805-03 LVW-4.2-S-0.5-20210805-04 LVW-4.2-S-0.5-20210805-05	Perchlorate	J- (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
550-168586-1	LVW-4.2-S-0.5-20210805-06	Perchlorate	J+ (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)

SDG	Sample	Analyte	Flag	A or P	Reason (Code)
550-168587-1	LVW 5.3-S-1.0-20210804-10 LVW 5.3-S-1.0-20210804-11 LVW 5.3-S-1.0-20210804-12 LVW 5.3-S-1.0-20210804-13 LVW 5.3-S-1.0-20210804-14 LVW 5.3-S-1.0-20210804-15 LVW 5.3-S-1.0-20210804-16 LVW 5.3-S-1.0-20210804-17 LVW 5.3-S-1.0-20210804-18 LVW 5.3-S-1.0-20210804-19 LVW 5.3-S-1.0-20210804-20 LVW 5.3-S-1.0-20210804-21 LVW 5.3-S-1.0-20210804-22 LVW 5.3-S-1.0-20210804-23 LVW 5.3-S-1.0-20210805-00 LVW 5.3-S-1.0-20210805-01	Chlorate	J- (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
550-168601-1	LVW 5.3-C-1.0-20210804-12 LVW 5.3-C-1.0-20210804-13 LVW 5.3-C-1.0-20210804-14 LVW 5.3-C-1.0-20210804-15 LVW 5.3-C-1.0-20210804-16 LVW 5.3-C-1.0-20210804-17 LVW 5.3-C-1.0-20210804-18 LVW 5.3-C-1.0-20210804-19 LVW 5.3-C-1.0-20210804-20 LVW 5.3-C-1.0-20210804-21	Chlorate	J- (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
550-168662-1	LVW 4.2-S-0.5-20210803-22 LVW 4.2-S-0.5-20210803-23 LVW 4.2-S-0.5-20210804-00 LVW 4.2-S-0.5-20210804-01 LVW 4.2-S-0.5-20210804-02 LVW 4.2-S-0.5-20210804-03 LVW 4.2-S-0.5-20210804-04 LVW 4.2-S-0.5-20210804-05 LVW 4.2-S-0.5-20210804-06	Chlorate	J+ (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
550-168662-1	LVW 4.2-S-0.5-20210803-22 LVW 4.2-S-0.5-20210803-23 LVW 4.2-S-0.5-20210804-00 LVW 4.2-S-0.5-20210804-01 LVW 4.2-S-0.5-20210804-02 LVW 4.2-S-0.5-20210804-03 LVW 4.2-S-0.5-20210804-04 LVW 4.2-S-0.5-20210804-05 LVW 4.2-S-0.5-20210804-06	Chlorate	J+ (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
550-168664-1	LVW 3.5-C-1.0-20210804-12 LVW 3.5-C-1.0-20210804-13 LVW 3.5-C-1.0-20210804-14 LVW 3.5-C-1.0-20210804-15 LVW 3.5-C-1.0-20210804-16 LVW 3.5-C-1.0-20210804-17	Chlorate	J+ (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)

SDG	Sample	Analyte	Flag	A or P	Reason (Code)
550-178182-1	LVW4.2-N-20220130-10 LVW4.2-N-20220130-11 LVW4.2-N-20220130-12 LVW4.2-N-20220130-13 LVW4.2-N-20220130-14 LVW4.2-N-20220130-15 LVW4.2-N-20220130-16 LVW4.2-N-20220130-17 LVW4.2-N-20220130-18 LVW4.2-N-20220130-19 LVW4.2-N-20220130-20 LVW4.2-N-20220130-21 LVW4.2-N-20220130-22 LVW4.2-N-20220130-23 LVW4.2-N-20220131-00 LVW4.2-N-20220131-01 LVW4.2-N-20220131-02 LVW4.2-N-20220131-03	Perchlorate	J- (all detects) UJ (all non-detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)

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**Wet Chemistry - Laboratory Blank Data Qualification Summary - SDGs 550-168387-1, 550-168388-1, 550-168389-1, 550-168429-1, 550-168433-1, 550-168438-1, 550-168546-1, 550-168577-1, 550-168578-1, 550-168584-1, 550-168586-1, 550-168587-1, 550-168601-1, 550-168602-1, 550-168603-1, 550-168662-1, 550-168663-1, 550-168664-1, 550-168665-1, 550-168666-1, 550-168667-1, 550-168678-1, 550-168733-1, 550-178161-1, 550-178162-1, 550-178182-1, 550-178183-1, 550-178184-1, 550-178185-1, 550-178186-1, 550-178187-1, 550-178188-1, 550-178359-1, 550-178363-1, 550-178364-1, 550-178365-1, 550-178366-1, 550-178367-1, 550-178368-1, 550-178369-1, 550-178370-1, 550-178371-1, 550-178372-1, 550-178373-1, 550-178548-1, 550-178550-1, 550-178552-1, 550-178554-1, 550-178555-1, 550-178556-1**

No Sample Data Qualified in these SDGs

**NERT RI, Phase 3, August 2021, January-February 2022**

**Wet Chemistry - Field Blank Data Qualification Summary - SDGs 550-168387-1, 550-168388-1, 550-168389-1, 550-168429-1, 550-168433-1, 550-168438-1, 550-168546-1, 550-168577-1, 550-168578-1, 550-168584-1, 550-168586-1, 550-168587-1, 550-168601-1, 550-168602-1, 550-168603-1, 550-168662-1, 550-168663-1, 550-168664-1, 550-168665-1, 550-168666-1, 550-168667-1, 550-168678-1, 550-168733-1, 550-178161-1, 550-178162-1, 550-178182-1, 550-178183-1, 550-178184-1, 550-178185-1, 550-178186-1, 550-178187-1, 550-178188-1, 550-178359-1, 550-178363-1, 550-178364-1, 550-178365-1, 550-178366-1, 550-178367-1, 550-178368-1, 550-178369-1, 550-178370-1, 550-178371-1, 550-178372-1, 550-178373-1, 550-178548-1, 550-178550-1, 550-178552-1, 550-178554-1, 550-178555-1, 550-178556-1**

No Sample Data Qualified in these SDGs