Data Validation Summary Report
Remedial Investigation Sampling Phase 3
Modifications 8, 11, 12, 13 and 14, Revision 1
Nevada Environmental Response Trust (NERT)
Henderson, Nevada

Prepared for

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January 19, 2023

Remedial Investigation Sampling Phase 3
Modification #8, 11, 12, 13 and 14 DVSR and EDD, Revision 1
August 2021 through January 2022

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.

Office of the Nevada Environmental Response Trust

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

Signature: Jay A Steinberg, President Not Individually, but Solely as President of the Trustee

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

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

Date: 1/19/23

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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

January 19, 2023

Kimberly Kuwabara, MS
Senior Managing Consultant

Date

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

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ATTACHMENT

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	United States 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
VOC	Volatile Organic Compound
%RSD	Percent Relative Standard Deviation
%D	Percent Difference
%R	Percent Recovery

1.0 INTRODUCTION

This data validation summary report (DVSR) has been prepared by Laboratory Data Consultants, Inc. (LDC) to assess the validity and usability of laboratory analytical data associated with the Phase 3 Remedial Investigation Modifications 8, 11, 12, 13 and 14 sampling efforts conducted during August 2021 through January 2022, as well as sampling associated with a well replacement in April 2021, 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 517 environmental and quality control (QC) samples.

Volatile Organic Compounds (VOCs) by Environmental Protection Agency (EPA) SW-846 Method 8260B
Metals by EPA Method 200.7 and EPA SW-846 Method 6010B

Wet Chemistry:
Alkalinity by Standard Method 2320B
Bromide, Nitrate as Nitrogen, and Nitrite as Nitrogen by Environmental Protection Agency (EPA) SW 846 Method 9056A
Bromide, Chloride, Nitrate as Nitrogen, Nitrite as Nitrogen, and Sulfate by EPA Method 300.0
Chlorate by EPA Method 300.1
Hexavalent Chromium by EPA SW 846 Method 7196A
Hexavalent Chromium by EPA SW 846 Method 7199
Hexavalent Chromium by Standard Method 3500-Cr C
Perchlorate by EPA Method 314.0
Total Solids by Standard Method 2540G
Total Dissolved Solids by Standard Method 2540C

Laboratory analytical services were provided by Eurofins and Pace Analytical. The samples were grouped into sample delivery groups (SDGs). The soil and 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; and for soil samples, approximately ninety percent of the analytical data were validated according to Stage 2B data validation procedures and ten percent of the analytical data were validated according to Stage 4 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 Organic and Inorganic Superfund Methods Data Review* (November 2020); *EPA SW 846 Third Edition, Test Methods for Evaluating Solid Waste*, update I, July 1992; update IIA, August 1993; update II, September 1994; update IIB, January 1995; update III, December 1996; update IV, February 2007; update V, July 2014; *Standard Method for the Examination of Water and Wastewater 22nd 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 maybe 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, volatization, 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 VOLATILE ORGANIC COMPOUNDS

All VOC data were assessed to be valid with the exception of five (5) of the 6,169 total results which were rejected based on LCS %R 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 Instrument Calibration

Initial and continuing calibration results provide a means of evaluating accuracy within a particular SDG. Relative response factor (RRF), percent relative standard deviation (%RSD), and percent difference (%D) are the major parameters used to measure the effectiveness of instrument calibration. RRF is a measure of the relative spectral response of an analyte compared to its internal standard. %RSD is an expression of the linearity of instrument response. %D is a comparison of a continuing calibration instrumental response with its initial response. %RSD and %D exceedances suggest routine instrumental anomalies, which typically impact all sample results for the affected compounds.

The %RSDs met the acceptance criteria of 15 percent for each individual compound and 30 percent for calibration check compounds, or the coefficient of determination (r^2) was ≥ 0.990 in the initial calibration.

Eighty-nine (89) results were qualified as non-detected estimated (UJ). The %Ds in the initial and continuing calibration verifications were outside the acceptance criteria of 20 percent. The details regarding the qualification of results are provided in Attachment A.

2.1.2 Surrogates

The chloroform result in sample ES-55C-20211012 was qualified as detected estimated (J+) due to a surrogate %R above the laboratory acceptance criteria. The details regarding the qualification of results are provided in Attachment A.

2.1.3 MS/MSD Samples

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

2.1.4 LCS/LCSD Samples

Due to an LCS %R grossly outside the laboratory acceptance criteria (e.g., ≤10%), the acrolein results in samples WMW6.15N-20211014, WMW6.15N-20211014-EB, WMW6.15N-20211014-FD, WMW6.15N-20211014-TB and WMW6.9N-20211014 were qualified as rejected (R). Additionally, 55 results were qualified as non-detected estimated (UJ) as a result of LCS/LCSD %Rs below the laboratory acceptance criteria. The details regarding the qualification of results are provided in Attachment A.

No data were qualified due to LCS/LCSD RPDs above the acceptance criteria since the associated results were not detected.

2.1.5 Internal Standards

All internal standard areas and retention times met the method acceptance criteria.

2.1.6 FD Samples

All FD RPDs met acceptance criteria as stated in the QAPP.

2.1.7 Target Analyte Quantitation and Identification

Raw data were evaluated for the Stage 4 sample PC-205-0.0-20211005. All target identifications were acceptable and all reported sample results, detects and non-detects, were correctly calculated for this sample.

2.2 Representativeness

2.2.1 Sample Preservation and Holding Times

The evaluation of holding times to verify compliance with the method was conducted. All soil and preserved water samples met the 14-day analysis holding time criteria for VOCs.

The chloroform result in sample ES-55C-20211012 was qualified as detected estimated (J-) due to analysis outside of the acceptance criteria of 14 days for preserved water samples. The details regarding the qualification of results are provided in Attachment A.

2.2.2 Blanks

Method blanks, TBs, EBs, and FBs were collected and analyzed to evaluate representativeness. The concentration for an individual target compound 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 - Using professional judgment, if a sample result for the blank contaminant was less than the PQL and the sample result was less than or equal to 2 times the blank 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.
>
> Results Above the PQL - Using professional judgment, if a sample result for the blank

contaminant was greater than the PQL and the sample result was less than or equal to 2 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 - Using professional judgment, if a sample result for the blank contaminant was greater than 2 times the blank value, the result was not qualified.

For this data set, two times the blank value was used to assess all contaminants for organic methods. This allows the data not to be censored and provides an understanding of the level of contamination relative to that found in the samples. This approach is employed for all data sets collected for annual and semi-annual groundwater remedial performance sampling for the NERT site to ensure comparability.

2.2.2.1 Method blanks

As a result of contamination found in the associated method blanks, five (5) trichloroethene results were qualified as detected estimated (J). The details regarding the qualification of results are provided in Attachment A.

2.2.2.2 TBs

As a result of contamination found in the associated trip blanks, four (4) trichloroethene results were qualified as detected estimated (J). The details regarding the qualification of results are provided in Attachment A.

2.2.2.3 EBs and FBs

As a result of contamination found in the associated equipment blank, the chloroform result in sample PC-58-20211006 was qualified as detected estimated (J). The details regarding the qualification of results are provided in Attachment A.

No contaminants were detected in the field blank for this analysis.

2.3 Comparability

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

2.4 Completeness

The completeness level attained for VOC field samples was 99.92 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 met the specified requirements described in the QAPP.

3.0 METALS

All metals data were assessed to be valid since none of the 2,206 total results were rejected based on

holding time and QC exceedances. This section discusses the QA/QC supporting documentation as defined by the PARCCS criteria and evaluated based on the DQOs.

3.1 Precision and Accuracy

3.1.1 Instrument Calibration

Initial and continuing calibration verification results provide a means of evaluating accuracy within a particular SDG. Correlation coefficient (r) and percent recovery (%R) are the two major parameters used to measure the effectiveness of instrument calibration. The correlation coefficient indicates the linearity of the calibration curve. %R is used to verify the ongoing calibration acceptability of the analytical system. The most critical of the two calibration parameters, r, has the potential to affect data accuracy across an SDG when it is outside the acceptable QC limits. %R exceedances suggest more routine instrumental anomalies, which typically impact all sample results for the affected analytes.

The correlation coefficients in the initial calibrations were within the acceptance criteria of ≥ 0.995 and the %Rs in the initial and continuing calibration verifications met the acceptance criteria of 90-110%.

3.1.2 MS/MSD Samples

In instances where MS/MSD %Rs were above the laboratory acceptance criteria and the associated results were not detected or greater than 4X the spike concentration, no data were qualified. The details regarding the qualification of results are provided in Attachment B.

All MS/MSD RPDs met the laboratory acceptance criteria

3.1.3 LCS/LCSD Samples

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

3.1.4 ICP Interference Check Sample

All ICP interference check %Rs met the method acceptance criteria.

3.1.4 FD Samples

All FD RPDs for results that were reported above the PQL met the acceptance criteria of ≤ 30. The details regarding the qualification of results are presented in Attachment B.

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

3.1.5 Target Analyte Quantitation

Raw data were evaluated for the Stage 4 sample PC-205-0.0-20211005. All target identifications were acceptable and all reported sample results, detects and non-detects, were correctly calculated for this sample.

3.2 Representativeness

3.2.1 Sample Preservation and Holding Times

The evaluation of holding times to verify compliance with the method was conducted. All samples met the 28-day analysis holding time criteria for mercury and 180-day analysis holding time criteria for all other metals.

3.2.2 Blanks

Method blanks, ICB/CCBs, EBs, and FBs were collected and analyzed to evaluate representativeness. The concentration for an individual target compound 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.

3.2.2.1 Method and Calibration Blanks

As a result of contamination found in the method blanks, nine (9) results were qualified as detected estimated (J+). The details regarding the qualification of results are provided in Attachment B.

3.2.2.2 EBs and FBs

As a result of contamination found in the equipment blanks, six (6) potassium results were qualified as detected estimated (J+).

No contaminants were detected in the field blank.

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

3.3 Comparability

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

3.4 Completeness

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

3.5 Sensitivity

The calibration was evaluated for instrument sensitivity and was determined to be technically acceptable. All laboratory PQLs met the specified requirements described in the QAPP.

4.0 WET CHEMISTRY

All wet chemistry data were assessed to be valid with the exception of 23 of the 3,182 total results which were rejected based on MS/MSD %R exceedances. This section discusses the QA/QC supporting documentation as defined by the PARCCS criteria and evaluated based on the DQOs.

4.1 Precision and Accuracy

4.1.1 Instrument Calibration

Instrument calibrations were evaluated for all wet chemistry methods. The correlation coefficients in the initial calibrations were within the acceptance criteria of ≥ 0.995.

Five (5) perchlorate results were qualified as detected estimated (J+) due to %Rs in the continuing calibration verifications outside the acceptance criteria of 85-115%. The details regarding the qualification of results are presented in Attachment C.

4.1.2 Surrogate

Surrogates were evaluated for chlorate analysis by EPA Method 300.1B. All surrogate %Rs met the acceptance criteria as stated in the QAPP. All surrogate %Rs met the laboratory acceptance criteria.

4.1.3 MS/MSD Samples

MS/MSD samples were evaluated for all wet chemistry methods.

Due to MS/MSD %Rs grossly outside the laboratory acceptance criteria (e.g., ≤30%), 17 bromide, three (3) hexavalent chromium and three (3) nitrate as nitrogen results were qualified as rejected (R).

Twenty-three (23) bromide, 128 chlorate, one (1) chloride, 11 hexavalent chromium, 18 nitrate as nitrogen and 28 perchlorate results were qualified as detected estimated (J-) or non-detected estimated (UJ) due to MS/MSD %Rs below the laboratory acceptance criteria.

One (1) chlorate, and 30 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 C.

4.1.4 DUP Samples

DUP samples were evaluated for all wet chemistry methods.

Ten (10) bromide, one (1) chlorate, eight (8) chloride, 10 perchlorate and 22 TDS results were qualified as detected estimated (J) or non-detected estimated (UJ) due to DUP RPDs or differences above the laboratory acceptance criteria.

4.1.5 LCS/LCSD Samples

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

4.1.6 FD Samples

Due to RPDs outside the acceptance criteria of ≤ 30, two (2) perchlorate results and two (2) TDS results that were reported above the PQL were qualified as detected estimated (J). The details regarding the qualification of results are presented in Attachment C.

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

4.1.7 Target Analyte Quantitation

Raw data were evaluated for the Stage 4 samples. All target identifications were acceptable and all reported sample results, detects and non-detects, were correctly calculated for this sample.

4.2 Representativeness

4.2.1 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 14-day analysis holding time criteria for alkalinity, 28-day analysis holding time criteria for bromide, chlorate, chloride, perchlorate, and sulfate. All soil samples met the 14-day analysis holding time criteria for TDS, 28-day analysis holding time criteria for bromide, chlorate, chloride, nitrate as nitrogen, nitrite as nitrogen and perchlorate, and the 30-day extraction holding time criteria for hexavalent chromium.

Twelve (12) hexavalent chromium, two (2) nitrate as nitrogen, two (2) nitrite as nitrogen and six (6) TDS results were qualified as detected estimated (J-) or non-detected (UJ), as a result of exceeding the analysis holding time criteria of 24 hours hexavalent chromium, 48 hours for nitrate as nitrogen and nitrite as nitrogen and seven days for TDS for water samples.

4.2.2 Blanks

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

4.2.2.1 Method and Calibration Blanks

As a result of contamination found in the method blanks, one (1) chloride and one (1) perchlorate results were qualified as detected estimated (J). The details regarding the qualification of results are provided in Attachment C.

4.2.2.2 EBs and FBs

As a result of contamination found in the equipment blanks, eight (8) alkalinity results were qualified as detected estimated (J+).

No data were qualified due to contamination detected in the field blank.

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

4.3 Comparability

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

4.4 Completeness

The completeness level attained for wet chemistry field samples was 99.28 percent. This percentage was calculated as the total number of accepted sample results divided by the total number of sample results multiplied by 100.

4.5 Sensitivity

The calibration was evaluated for instrument sensitivity and was determined to be technically acceptable. All laboratory PQLs met the specified requirements described in the QAPP.

5.0 VARIANCES IN ANALYTICAL PERFORMANCE

The laboratory used standard analytical methods for all of the analyses throughout the project. No systematic variances in analytical performance were noted in the laboratory case narratives.

6.0 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.

6.1 Precision and Accuracy

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

All calibrations were performed as required and met the acceptance criteria with the exceptions noted in Sections 2.1.1 and 4.1.1. All surrogate, MS/MSD, LCS/LCSD, internal standard, and field duplicate percent recoveries and RPDs met acceptance criteria with the exceptions noted in Sections 2.1.2, 2.1.4, 4.1.3, and 4.1.4. All ICP interference check sample %Rs met acceptance criteria.

6.2 Representativeness

All samples for each method and matrix were evaluated for holding time compliance. All holding times were met with the exceptions noted in Sections 2.2.1 and 4.2.1. All samples were associated with a method blank in each individual SDG. The representativeness of the project data is considered acceptable after integration of result qualification.

6.3 Comparability

Sampling frequency requirements were met in obtaining necessary equipment blanks, field blanks and field duplicates. The laboratory used standard analytical methods for the analyses. The analytical results were reported in correct standard units. Sample integrity criteria were met. Sample preservation and holding times were within QC criteria with the exceptions noted in Sections 2.2.1 and 4.2.1. The overall

comparability is considered acceptable after integration of result qualification.

6.4 Completeness

Of the 11,557 total analytes reported, 28 of the sample results were rejected. The completeness for the SDGs is as follows:

Parameter	Total Analytes	No. of Rejects	% Completeness
VOCs	6,169	5	99.92
Metals	2,206	0	100
Wet Chemistry	3,182	23	99.28
Total	**11,557**	**28**	**99.76**

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

6.5 Sensitivity

Sensitivity was achieved by the laboratory to support the DQOs. Calibration concentrations and PQLs met the project requirements and low-level contamination in the method blanks, ICB/CCBs, EBs, and FBs did not affect sensitivity.

7.0 CONCLUSIONS AND RECOMMENDATIONS

The analytical data quality assessment for the water sample laboratory analytical results generated during the August 2021 to January 2022 Remedial Investigation Phase 3 Modifications 8, 11, 12, 13, and 14 sampling efforts, and sampling associated with a well replacement in April 2021 at the NERT site in Henderson, Nevada established that the overall project requirements and completeness levels were met. Sample results that were found to be rejected (R) are unusable for all purposes. Sample results that were found to be estimated (J) are usable for limited purposes only. Based upon the Stage 2A, Stage 2B and Stage 4 data validation, all other results are considered valid and usable for all purposes.

8.0 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 1996. EPA SW 846 Third Edition, Test Methods for Evaluating Solid Waste, update I, July 1992; update IIA, August 1993; update II, September 1994; update IIB, January 1995; update III, December 1996; update IV, February 2007; update V, July 2014.+

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

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

TABLES

Table I. Sample Cross-Reference

LDC	SDG	Client Sample ID	Lab ID	Sample Date	Validation Level	Matrix	QC Type	VOA (SW8260B)	Metals (SW6010B)	Dissolved Metals (200.7)	Cr (200.7)	CR(VI) (SM3500)	Cr(VI)(SW7196A)	Cr(VI)(SW7199)	Br (300.0)	Br (9056A)	Cl (300.0)	NO3-N (300.0)	NO2-N (300.0)	NO3-N (SW9056A)	NO2-N (SW9056A)	SO4 (300.0)	Chlorate (300.1)	ClO4 (314.0)	Alkalinity (SM2320B)	TDS (SM2540C)	Total Solids (SM2540G)
53040	L1392242	ES-56-10.0-20210817	L1392242-01	8/17/2021	Stage 2B	Soil																	X	X			X
53040	L1392242	ES-56-20.0-20210817	L1392242-02	8/17/2021	Stage 2B	Soil																	X	X			X
53040	L1392242	ES-56-30.0-20210817	L1392242-03	8/17/2021	Stage 2B	Soil																	X	X			X
53040	L1392242	ES-56-40.0-20210817	L1392242-04	8/17/2021	Stage 2B	Soil																	X	X			X
53040	L1392242	ES-56-50.0-20210817	L1392242-05	8/17/2021	Stage 2B	Soil																	X	X			X
53040	L1392242	ES-56-60.0-20210817	L1392242-06	8/17/2021	Stage 2B	Soil																	X	X			X
53040	L1392242	ES-56-70.0-20210817	L1392242-07	8/17/2021	Stage 2B	Soil																	X	X			X
53040	L1392242	ES-56-80.0-20210817	L1392242-08	8/17/2021	Stage 2B	Soil																	X	X			X
53040	L1392242	ES-56-90.0-20210817	L1392242-09	8/17/2021	Stage 2B	Soil																	X	X			X
53040	L1392933	ES-55-10.0-20210818	L1392933-01	8/18/2021	Stage 2B	Soil																	X	X			X
53040	L1392933	ES-55-20.0-20210818	L1392933-02	8/18/2021	Stage 2B	Soil																	X	X			X
53040	L1392933	ES-55-30.0-20210818	L1392933-03	8/18/2021	Stage 2B	Soil																	X	X			X
53040	L1392933	ES-55-40.0-20210818	L1392933-04	8/18/2021	Stage 2B	Soil																	X	X			X
53040	L1392933	ES-55-50.0-20210818	L1392933-05	8/18/2021	Stage 2B	Soil																	X	X			X
53040	L1392933	ES-55-60.0-20210818	L1392933-06	8/18/2021	Stage 2B	Soil																	X	X			X
53040	L1392933	ES-55-70.0-20210818	L1392933-07	8/18/2021	Stage 2B	Soil																	X	X			X
53040	L1392933	ES-55-80.0-20210818	L1392933-08	8/18/2021	Stage 2B	Soil																	X	X			X
53040	L1392933	ES-55-90.0-20210818	L1392933-09	8/18/2021	Stage 2B	Soil																	X	X			X
53040	L1393506	PC-94D-10.0-20210819	L1393506-01	8/19/2021	Stage 2B	Soil																	X	X			X
53040	L1393506	PC-94D-20.0-20210819	L1393506-02	8/19/2021	Stage 2B	Soil																	X	X			X
53040	L1393506	PC-94D-30.0-20210819	L1393506-03	8/19/2021	Stage 2B	Soil																	X	X			X
53040	L1393506	PC-94D-40.0-20210819	L1393506-04	8/19/2021	Stage 2B	Soil	FD1																X	X			X
53040	L1393506	PC-94D-40.0-20210819-FD	L1393506-05	8/19/2021	Stage 2B	Soil	FD1																X	X			X
53040	L1393506	PC-94D-50.0-20210819	L1393506-06	8/19/2021	Stage 2B	Soil																	X	X			X
53040	L1393506	PC-94D-60.0-20210819	L1393506-07	8/19/2021	Stage 2B	Soil																	X	X			X
53040	L1393506	PC-94D-70.0-20210819	L1393506-08	8/19/2021	Stage 2B	Soil																	X	X			X

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LDC	SDG	Client Sample ID	Lab ID	Sample Date	Validation Level	Matrix	QC Type	VOA (SW8260B)	Metals (SW6010B)	Dissolved Metals (200.7)	Cr (200.7)	CR(VI) (SM3500)	Cr(VI)(SW7196A)	Cr(VI)(SW7199)	Br (300.0)	Br (9056A)	Cl (300.0)	NO3-N (300.0)	NO2-N (300.0)	NO3-N (SW9056A)	NO2-N (SW9056A)	SO4 (300.0)	Chlorate (300.1)	ClO4 (314.0)	Alkalinity (SM2320B)	TDS (SM2540C)	Total Solids (SM2540G)
53040	L1393506	PC-94D-80.0-20210819	L1393506-09	8/19/2021	Stage 2B	Soil																	X	X			X
53040	L1393506	PC-94D-90.0-20210819	L1393506-10	8/19/2021	Stage 2B	Soil																	X	X			X
53040	L1414445	PC-205-0.0-20211005	L1414445-01	10/5/2021	Stage 4	Soil		X	X				X			X				X	X		X	X			X
53040	L1414445	PC-205-5.0-20211005	L1414445-02	10/5/2021	Stage 2B	Soil		X	X				X			X				X	X		X	X			X
53040	L1414445	PC-205-9.5-20211005	L1414445-03	10/5/2021	Stage 2B	Soil		X	X				X			X				X	X		X	X			X
53040	L1414445	PC-205A-0.0-20211005	L1414445-04	10/5/2021	Stage 2B	Soil		X	X				X			X				X	X		X	X			X
53040	L1414445	PC-205A-5.0-20211005	L1414445-05	10/5/2021	Stage 2B	Soil		X	X				X			X				X	X		X	X			X
53040	L1414445	PC-205A-9.5-20211005	L1414445-06	10/5/2021	Stage 2B	Soil	FD2	X	X				X			X				X	X		X	X			X
53040	L1414445	PC-205B-0.0-20211005	L1414445-07	10/5/2021	Stage 2B	Soil		X	X				X			X				X	X		X	X			X
53040	L1414445	PC-205B-5.0-20211005	L1414445-08	10/5/2021	Stage 2B	Soil		X	X				X			X				X	X		X	X			X
53040	L1414445	PC-205B-9.5-20211005	L1414445-09	10/5/2021	Stage 2B	Soil		X	X				X			X				X	X		X	X			X
53040	L1414445	PC-205A-9.5-20211005-FD	L1414445-10	10/5/2021	Stage 2B	Soil	FD2	X	X				X			X				X	X		X	X			X
53040	L1414548	NERT5.98S-10.0-20211005	L1414548-01	10/5/2021	Stage 2B	Soil																	X	X			X
53040	L1414548	NERT5.98S-20.0-20211005	L1414548-02	10/5/2021	Stage 2B	Soil																	X	X			X
53040	L1414548	NERT5.98S-30.0-20211005	L1414548-03	10/5/2021	Stage 2B	Soil																	X	X			X
53040	L1414548	NERT5.98S-40.0-20211005	L1414548-04	10/5/2021	Stage 2B	Soil																	X	X			X
53040	L1414548	NERT5.98S-50.0-20211005	L1414548-05	10/5/2021	Stage 2B	Soil																	X	X			X
53040	L1414548	NERT5.98S-60.0-20211005	L1414548-06	10/5/2021	Stage 2B	Soil																	X	X			X
53040	L1414548	NERT5.98S-70.0-20211005	L1414548-07	10/5/2021	Stage 2B	Soil																	X	X			X
53040	L1414548	NERT5.98S-80.0-20211005	L1414548-08	10/5/2021	Stage 2B	Soil																	X	X			X
53040	L1414548	NERT5.98S-90.0-20211005	L1414548-09	10/5/2021	Stage 2B	Soil																	X	X			X
53040	L1414548	NERT5.63S-10.0-20211006	L1414548-10	10/6/2021	Stage 2B	Soil																	X	X			X
53040	L1414548	NERT5.63S-20.0-20211006	L1414548-11	10/6/2021	Stage 2B	Soil																	X	X			X
53040	L1414548	NERT5.63S-30.0-20211006	L1414548-12	10/6/2021	Stage 2B	Soil																	X	X			X
53040	L1414548	NERT5.63S-40.0-20211006	L1414548-13	10/6/2021	Stage 2B	Soil																	X	X			X
53040	L1414548	NERT5.63S-50.0-20211006	L1414548-14	10/6/2021	Stage 2B	Soil																	X	X			X

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LDC	SDG	Client Sample ID	Lab ID	Sample Date	Validation Level	Matrix	QC Type	VOA (SW8260B)	Metals (SW6010B)	Dissolved Metals (200.7)	Cr (200.7)	CR(VI) (SM3500)	Cr(VI)(SW7196A)	Cr(VI)(SW7199)	Br (300.0)	Br (9056A)	Cl (300.0)	NO3-N (300.0)	NO2-N (300.0)	NO3-N (SW9056A)	NO2-N (SW9056A)	SO4 (300.0)	Chlorate (300.1)	ClO4 (314.0)	Alkalinity (SM2320B)	TDS (SM2540C)	Total Solids (SM2540G)
53040	L1414548	NERT5.63S-60.0-20211006	L1414548-15	10/6/2021	Stage 2B	Soil																	X	X			X
53040	L1414548	NERT5.63S-70.0-20211006	L1414548-16	10/6/2021	Stage 2B	Soil																	X	X			X
53040	L1414548	NERT5.63S-80.0-20211006	L1414548-17	10/6/2021	Stage 2B	Soil																	X	X			X
53040	L1414548	NERT5.63S-90.0-20211006	L1414548-18	10/6/2021	Stage 2B	Soil	FD3																X	X			X
53040	L1414548	NERT5.63S-90.0-20211006-FD	L1414548-19	10/6/2021	Stage 2B	Soil	FD3																X	X			X
53040	L1416044	PC-205-20.0-20211006	L1416044-01	10/6/2021	Stage 2B	Soil																	X	X			X
53040	L1416044	PC-205-30.0-20211006	L1416044-02	10/6/2021	Stage 2B	Soil																	X	X			X
53040	L1416044	PC-205-40.0-20211006	L1416044-03	10/6/2021	Stage 2B	Soil																	X	X			X
53040	L1416044	PC-205-50.0-20211006	L1416044-04	10/6/2021	Stage 2B	Soil																	X	X			X
53040	L1416044	PC-205-60.0-20211006	L1416044-05	10/6/2021	Stage 2B	Soil																	X	X			X
53040	L1416044	PC-205-70.0-20211006	L1416044-06	10/6/2021	Stage 2B	Soil																	X	X			X
53040	L1416044	PC-205-80.0-20211006	L1416044-07	10/6/2021	Stage 2B	Soil																	X	X			X
53040	L1416044	PC-205-90.0-20211007	L1416044-08	10/7/2021	Stage 2B	Soil																	X	X			X
53040	L1416077	TB-H1-10.0-20211007	L1416077-01	10/7/2021	Stage 2B	Soil																	X	X			X
53040	L1416077	TB-H1-20.0-20211007	L1416077-02	10/7/2021	Stage 2B	Soil																	X	X			X
53040	L1416077	TB-H1-30.0-20211007	L1416077-03	10/7/2021	Stage 2B	Soil																	X	X			X
53040	L1416077	TB-H1-40.0-20211007	L1416077-04	10/7/2021	Stage 2B	Soil																	X	X			X
53040	L1416077	TB-H1-50.0-20211007	L1416077-05	10/7/2021	Stage 2B	Soil																	X	X			X
53040	L1416077	TB-H1-60.0-20211007	L1416077-06	10/7/2021	Stage 2B	Soil																	X	X			X
53040	L1416077	TB-H1-70.0-20211007	L1416077-07	10/7/2021	Stage 2B	Soil																	X	X			X
53040	L1416077	TB-H1-80.0-20211007	L1416077-08	10/7/2021	Stage 2B	Soil																	X	X			X
53040	L1416077	TB-H1-90.0-20211007	L1416077-09	10/7/2021	Stage 2B	Soil																	X	X			X
53040	L1417036	NERT5.20S-10.0-20211008	L1417036-15	10/8/2021	Stage 4	Soil																	X	X			X
53040	L1417036	NERT5.20S-20.0-20211008	L1417036-16	10/8/2021	Stage 4	Soil																	X	X			X
53040	L1417036	NERT5.20S-30.0-20211008	L1417036-17	10/8/2021	Stage 4	Soil																	X	X			X
53040	L1417036	NERT5.20S-40.0-20211008	L1417036-18	10/8/2021	Stage 4	Soil																	X	X			X

Table I. Sample Cross-Reference

LDC	SDG	Client Sample ID	Lab ID	Sample Date	Validation Level	Matrix	QC Type	VOA (SW8260B)	Metals (SW6010B)	Dissolved Metals (200.7)	Cr (200.7)	CR(VI) (SM3500)	Cr(VI)(SW7196A)	Cr(VI)(SW7199)	Br (300.0)	Br (9056A)	Cl (300.0)	NO3-N (300.0)	NO2-N (300.0)	NO3-N (SW9056A)	NO2-N (SW9056A)	SO4 (300.0)	Chlorate (300.1)	ClO4 (314.0)	Alkalinity (SM2320B)	TDS (SM2540C)	Total Solids (SM2540G)
53040	L1417036	NERT5.20S-50.0-20211008	L1417036-19	10/8/2021	Stage 4	Soil																	X	X			X
53040	L1417036	NERT5.20S-60.0-20211008	L1417036-20	10/8/2021	Stage 4	Soil	FD4																X	X			X
53040	L1417036	NERT5.20S-60.0-20211008-FD	L1417036-21	10/8/2021	Stage 4	Soil	FD4																X	X			X
53040	L1417036	NERT5.20S-70.0-20211011	L1417036-22	10/11/2021	Stage 4	Soil																	X	X			X
53040	L1417036	NERT5.20S-80.0-20211011	L1417036-23	10/11/2021	Stage 4	Soil																	X	X			X
53040	L1417036	NERT5.20S-90.0-20211011	L1417036-24	10/11/2021	Stage 4	Soil																	X	X			X
53040	L1417645	NERT5.26N-10.0-20211012	L1417645-01	10/12/2021	Stage 2B	Soil																	X	X			X
53040	L1417645	NERT5.26N-20.0-20211012	L1417645-02	10/12/2021	Stage 2B	Soil																	X	X			X
53040	L1417645	NERT5.26N-30.0-20211012	L1417645-03	10/12/2021	Stage 2B	Soil																	X	X			X
53040	L1417645	NERT5.26N-40.0-20211012	L1417645-04	10/12/2021	Stage 2B	Soil																	X	X			X
53040	L1417645	NERT5.26N-50.0-20211012	L1417645-05	10/12/2021	Stage 2B	Soil																	X	X			X
53040	L1417645	NERT5.26N-60.0-20211012	L1417645-06	10/12/2021	Stage 2B	Soil																	X	X			X
53040	L1417645	NERT5.26N-70.0-20211012	L1417645-07	10/12/2021	Stage 2B	Soil																	X	X			X
53040	L1417645	NERT5.26N-80.0-20211012	L1417645-08	10/12/2021	Stage 2B	Soil																	X	X			X
53040	L1417645	NERT5.26N-90.0-20211012	L1417645-09	10/12/2021	Stage 2B	Soil																	X	X			X
53040	L1418229	NERT6.21N-10.0-20211011	L1418229-01	10/11/2021	Stage 2B	Soil																	X	X			X
53040	L1418229	NERT6.21N-20.0-20211011	L1418229-02	10/11/2021	Stage 2B	Soil																	X	X			X
53040	L1418229	NERT6.21N-30.0-20211011	L1418229-03	10/11/2021	Stage 2B	Soil																	X	X			X
53040	L1418229	NERT6.21N-40.0-20211012	L1418229-04	10/12/2021	Stage 2B	Soil																	X	X			X
53040	L1418229	NERT6.21N-50.0-20211012	L1418229-05	10/12/2021	Stage 2B	Soil																	X	X			X
53040	L1418229	NERT6.21N-60.0-20211012	L1418229-06	10/12/2021	Stage 2B	Soil																	X	X			X
53040	L1418229	NERT6.21N-70.0-20211012	L1418229-07	10/12/2021	Stage 2B	Soil																	X	X			X
53040	L1418229	NERT6.21N-80.0-20211012	L1418229-08	10/12/2021	Stage 2B	Soil																	X	X			X
53040	L1418229	NERT6.21N-90.0-20211012	L1418229-09	10/12/2021	Stage 2B	Soil	FD5																X	X			X
53040	L1418229	NERT6.21N-90.0-20211012-FD	L1418229-10	10/12/2021	Stage 2B	Soil	FD5																X	X			X
53040	L1419203	TB-H6-10.0-20211012	L1419203-01	10/12/2021	Stage 2B	Soil																	X	X			X

Table I. Sample Cross-Reference

LDC	SDG	Client Sample ID	Lab ID	Sample Date	Validation Level	Matrix	QC Type	VOA (SW8260B)	Metals (SW6010B)	Dissolved Metals (200.7)	Cr (200.7)	CR(VI) (SM3500)	Cr(VI)(SW7196A)	Cr(VI)(SW7199)	Br (300.0)	Br (9056A)	Cl (300.0)	NO3-N (300.0)	NO2-N (300.0)	NO3-N (SW9056A)	NO2-N (SW9056A)	SO4 (300.0)	Chlorate (300.1)	ClO4 (314.0)	Alkalinity (SM2320B)	TDS (SM2540C)	Total Solids (SM2540G)
53040	L1419203	TB-H6-20.0-20211012	L1419203-02	10/12/2021	Stage 2B	Soil																	X	X			X
53040	L1419203	TB-H6-30.0-20211012	L1419203-03	10/12/2021	Stage 2B	Soil																	X	X			X
53040	L1419203	TB-H6-40.0-20211012	L1419203-04	10/12/2021	Stage 2B	Soil																	X	X			X
53040	L1419203	TB-H6-50.0-20211012	L1419203-05	10/12/2021	Stage 2B	Soil																	X	X			X
53040	L1419203	TB-H6-60.0-20211012	L1419203-06	10/12/2021	Stage 2B	Soil																	X	X			X
53040	L1419203	TB-H6-70.0-20211012	L1419203-07	10/12/2021	Stage 2B	Soil																	X	X			X
53040	L1419203	TB-H6-80.0-20211012	L1419203-08	10/12/2021	Stage 2B	Soil																	X	X			X
53040	L1419203	TB-H6-90.0-20211012	L1419203-09	10/12/2021	Stage 2B	Soil																	X	X			X
53040	L1419209	TB-I1-10.0-20211013	L1419209-01	10/13/2021	Stage 2B	Soil																	X	X			X
53040	L1419209	TB-I1-20.0-20211013	L1419209-02	10/13/2021	Stage 2B	Soil																	X	X			X
53040	L1419209	TB-I1-30.0-20211013	L1419209-03	10/13/2021	Stage 2B	Soil																	X	X			X
53040	L1419209	TB-I1-40.0-20211013	L1419209-04	10/13/2021	Stage 2B	Soil																	X	X			X
53040	L1419209	TB-I1-50.0-20211013	L1419209-05	10/13/2021	Stage 2B	Soil																	X	X			X
53040	L1419209	TB-I1-60.0-20211013	L1419209-06	10/13/2021	Stage 2B	Soil																	X	X			X
53040	L1419209	TB-I1-70.0-20211013	L1419209-07	10/13/2021	Stage 2B	Soil																	X	X			X
53040	L1419209	TB-I1-80.0-20211013	L1419209-08	10/13/2021	Stage 2B	Soil																	X	X			X
53040	L1419209	TB-I1-90.0-20211013	L1419209-09	10/13/2021	Stage 2B	Soil																	X	X			X
53040	L1419210	TB-I2-10.0-20211013	L1419210-01	10/13/2021	Stage 2B	Soil																	X	X			X
53040	L1419210	TB-I2-20.0-20211013	L1419210-02	10/13/2021	Stage 2B	Soil																	X	X			X
53040	L1419210	TB-I2-30.0-20211013	L1419210-03	10/13/2021	Stage 2B	Soil																	X	X			X
53040	L1419210	TB-I2-40.0-20211013	L1419210-04	10/13/2021	Stage 2B	Soil																	X	X			X
53040	L1419210	TB-I2-50.0-20211013	L1419210-05	10/13/2021	Stage 2B	Soil																	X	X			X
53040	L1419210	TB-I2-60.0-20211013	L1419210-06	10/13/2021	Stage 2B	Soil																	X	X			X
53040	L1419210	TB-I2-70.0-20211014	L1419210-07	10/14/2021	Stage 2B	Soil																	X	X			X
53040	L1419210	TB-I2-80.0-20211014	L1419210-08	10/14/2021	Stage 2B	Soil																	X	X			X
53040	L1419210	TB-I2-90.0-20211014	L1419210-09	10/14/2021	Stage 2B	Soil																	X	X			X

Table I. Sample Cross-Reference

LDC	SDG	Client Sample ID	Lab ID	Sample Date	Validation Level	Matrix	QC Type	VOA (SW8260B)	Metals (SW6010B)	Dissolved Metals (200.7)	Cr (200.7)	CR(VI) (SM3500)	Cr(VI)(SW7196A)	Cr(VI)(SW7199)	Br (300.0)	Br (9056A)	Cl (300.0)	NO3-N (300.0)	NO2-N (300.0)	NO3-N (SW9056A)	NO2-N (SW9056A)	SO4 (300.0)	Chlorate (300.1)	ClO4 (314.0)	Alkalinity (SM2320B)	TDS (SM2540C)	Total Solids (SM2540G)
53040	L1419214	NERT-FM01-10.0-20211013	L1419214-01	10/13/2021	Stage 2B	Soil																	X	X			X
53040	L1419214	NERT-FM01-20.0-20211013	L1419214-02	10/13/2021	Stage 2B	Soil																	X	X			X
53040	L1419214	NERT-FM01-30.0-20211013	L1419214-03	10/13/2021	Stage 2B	Soil																	X	X			X
53040	L1419214	NERT-FM01-40.0-20211013	L1419214-04	10/13/2021	Stage 2B	Soil																	X	X			X
53040	L1419214	NERT-FM01-50.0-20211014	L1419214-05	10/14/2021	Stage 2B	Soil																	X	X			X
53040	L1419214	NERT-FM01-60.0-20211014	L1419214-06	10/14/2021	Stage 2B	Soil																	X	X			X
53040	L1419214	NERT-FM01-70.0-20211014	L1419214-07	10/14/2021	Stage 2B	Soil																	X	X			X
53040	L1419214	NERT-FM01-80.0-20211014	L1419214-08	10/14/2021	Stage 2B	Soil																	X	X			X
53040	L1419214	NERT-FM01-90.0-20211014	L1419214-09	10/14/2021	Stage 2B	Soil	FD6																X	X			X
53040	L1419214	NERT-FM01-90.0-20211014-FD	L1419214-10	10/14/2021	Stage 2B	Soil	FD6																X	X			X
53040	L1419218	NERT5.83N-10.0-20211013	L1419218-01	10/13/2021	Stage 2B	Soil	FD7																X	X			X
53040	L1419218	NERT5.83N-10.0-20211013-FD	L1419218-02	10/13/2021	Stage 2B	Soil	FD7																X	X			X
53040	L1419218	NERT5.83N-20.0-20211013	L1419218-03	10/13/2021	Stage 2B	Soil																	X	X			X
53040	L1419218	NERT5.83N-30.0-20211013	L1419218-04	10/13/2021	Stage 2B	Soil																	X	X			X
53040	L1419218	NERT5.83N-40.0-20211013	L1419218-05	10/13/2021	Stage 2B	Soil																	X	X			X
53040	L1419218	NERT5.83N-50.0-20211013	L1419218-06	10/13/2021	Stage 2B	Soil																	X	X			X
53040	L1419218	NERT5.83N-60.0-20211013	L1419218-07	10/13/2021	Stage 2B	Soil																	X	X			X
53040	L1419218	NERT5.83N-70.0-20211013	L1419218-08	10/13/2021	Stage 2B	Soil																	X	X			X
53040	L1419218	NERT5.83N-80.0-20211013	L1419218-09	10/13/2021	Stage 2B	Soil																	X	X			X
53040	L1419218	NERT5.83N-90.0-20211013	L1419218-10	10/13/2021	Stage 2B	Soil																	X	X			X
53040	L1419224	NERT4.29N-10.0-20211014	L1419224-01	10/14/2021	Stage 4	Soil																	X	X			X
53040	L1419224	NERT4.29N-20.0-20211014	L1419224-02	10/14/2021	Stage 4	Soil																	X	X			X
53040	L1419224	NERT4.29N-30.0-20211014	L1419224-03	10/14/2021	Stage 4	Soil																	X	X			X
53040	L1419224	NERT4.29N-40.0-20211014	L1419224-04	10/14/2021	Stage 4	Soil																	X	X			X
53040	L1419224	NERT4.29N-50.0-20211014	L1419224-05	10/14/2021	Stage 4	Soil																	X	X			X
53040	L1419224	NERT4.29N-60.0-20211014	L1419224-06	10/14/2021	Stage 4	Soil																	X	X			X

Table I. Sample Cross-Reference

LDC	SDG	Client Sample ID	Lab ID	Sample Date	Validation Level	Matrix	QC Type	VOA (SW8260B)	Metals (SW6010B)	Dissolved Metals (200.7)	Cr (200.7)	CR(VI) (SM3500)	Cr(VI)(SW7196A)	Cr(VI)(SW7199)	Br (300.0)	Br (9056A)	Cl (300.0)	NO3-N (300.0)	NO2-N (300.0)	NO3-N (SW9056A)	NO2-N (SW9056A)	SO4 (300.0)	Chlorate (300.1)	ClO4 (314.0)	Alkalinity (SM2320B)	TDS (SM2540C)	Total Solids (SM2540G)
53040	L1419224	NERT4.29N-70.0-20211014	L1419224-07	10/14/2021	Stage 4	Soil																	X	X			X
53040	L1419224	NERT4.29N-80.0-20211015	L1419224-08	10/15/2021	Stage 4	Soil	FD8																X	X			X
53040	L1419224	NERT4.29N-90.0-20211015	L1419224-09	10/15/2021	Stage 4	Soil																	X	X			X
53040	L1419224	NERT4.29N-80.0-20211015-FD	L1419224-10	10/15/2021	Stage 4	Soil	FD8																X	X			X
53040	L1420457	NERT3.94N-10.0-20211018	L1420457-01	10/18/2021	Stage 2B	Soil																	X	X			X
53040	L1420457	NERT3.94N-20.0-20211018	L1420457-02	10/18/2021	Stage 2B	Soil																	X	X			X
53040	L1420457	NERT3.94N-30.0-20211018	L1420457-03	10/18/2021	Stage 2B	Soil																	X	X			X
53040	L1420457	NERT3.94N-40.0-20211018	L1420457-04	10/18/2021	Stage 2B	Soil																	X	X			X
53040	L1420457	NERT3.94N-50.0-20211018	L1420457-05	10/18/2021	Stage 2B	Soil																	X	X			X
53040	L1420457	NERT3.94N-60.0-20211018	L1420457-06	10/18/2021	Stage 2B	Soil																	X	X			X
53040	L1420457	NERT3.94N-70.0-20211018	L1420457-07	10/18/2021	Stage 2B	Soil																	X	X			X
53040	L1420457	NERT3.94N-90.0-20211018	L1420457-08	10/18/2021	Stage 2B	Soil																	X	X			X
53040	L1420458	NERT-FM02-10.0-20211018	L1420458-01	10/18/2021	Stage 2B	Soil																	X	X			X
53040	L1420458	NERT-FM02-20.0-20211018	L1420458-02	10/18/2021	Stage 2B	Soil																	X	X			X
53040	L1420458	NERT-FM02-30.0-20211018	L1420458-03	10/18/2021	Stage 2B	Soil																	X	X			X
53040	L1420458	NERT-FM02-40.0-20211018	L1420458-04	10/18/2021	Stage 2B	Soil																	X	X			X
53040	L1420458	NERT-FM02-50.0-20211019	L1420458-05	10/19/2021	Stage 2B	Soil																	X	X			X
53040	L1420458	NERT-FM02-60.0-20211019	L1420458-06	10/19/2021	Stage 2B	Soil																	X	X			X
53040	L1420458	NERT-FM02-70.0-20211019	L1420458-07	10/19/2021	Stage 2B	Soil																	X	X			X
53040	L1420458	NERT-FM02-80.0-20211019	L1420458-08	10/19/2021	Stage 2B	Soil																	X	X			X
53040	L1420458	NERT-FM02-90.0-20211019	L1420458-09	10/19/2021	Stage 2B	Soil																	X	X			X
53040	L1420648	ES-58-10.0-20211020	L1420648-01	10/20/2021	Stage 2B	Soil																	X	X			X
53040	L1420648	ES-58-20.0-20211020	L1420648-02	10/20/2021	Stage 2B	Soil																	X	X			X
53040	L1420648	ES-58-30.0-20211020	L1420648-03	10/20/2021	Stage 2B	Soil																	X	X			X
53040	L1420648	ES-58-40.0-20211020	L1420648-04	10/20/2021	Stage 2B	Soil																	X	X			X
53040	L1420648	ES-58-50.0-20211020	L1420648-05	10/20/2021	Stage 2B	Soil																	X	X			X

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LDC	SDG	Client Sample ID	Lab ID	Sample Date	Validation Level	Matrix	QC Type	VOA (SW8260B)	Metals (SW6010B)	Dissolved Metals (200.7)	Cr (200.7)	CR(VI) (SM3500)	Cr(VI)(SW7196A)	Cr(VI)(SW7199)	Br (300.0)	Br (9056A)	Cl (300.0)	NO3-N (300.0)	NO2-N (300.0)	NO3-N (SW9056A)	NO2-N (SW9056A)	SO4 (300.0)	Chlorate (300.1)	ClO4 (314.0)	Alkalinity (SM2320B)	TDS (SM2540C)	Total Solids (SM2540G)
53040	L1420648	ES-58-60.0-20211020	L1420648-06	10/20/2021	Stage 2B	Soil																	X	X			X
53040	L1420648	ES-58-70.0-20211020	L1420648-07	10/20/2021	Stage 2B	Soil																	X	X			X
53040	L1420648	ES-58-80.0-20211020	L1420648-08	10/20/2021	Stage 2B	Soil																	X	X			X
53040	L1420648	ES-58-90.0-20211020	L1420648-09	10/20/2021	Stage 2B	Soil	FD9																X	X			X
53040	L1420648	ES-58-90.0-20211020-FD	L1420648-10	10/20/2021	Stage 2B	Soil	FD9																X	X			X
53040	L1421799	ES-57-10.0-20211022	L1421799-01	10/22/2021	Stage 2B	Soil																	X	X			X
53040	L1421799	ES-57-20.0-20211022	L1421799-02	10/22/2021	Stage 2B	Soil																	X	X			X
53040	L1421799	ES-57-30.0-20211022	L1421799-03	10/22/2021	Stage 2B	Soil																	X	X			X
53040	L1421799	ES-57-40.0-20211022	L1421799-04	10/22/2021	Stage 2B	Soil																	X	X			X
53040	L1421799	ES-57-50.0-20211022	L1421799-05	10/22/2021	Stage 2B	Soil																	X	X			X
53040	L1421799	ES-57-60.0-20211022	L1421799-06	10/22/2021	Stage 2B	Soil																	X	X			X
53040	L1421799	ES-57-70.0-20211022	L1421799-07	10/22/2021	Stage 2B	Soil																	X	X			X
53040	L1421799	ES-57-80.0-20211022	L1421799-08	10/22/2021	Stage 2B	Soil																	X	X			X
53040	L1421799	ES-57-90.0-20211022	L1421799-09	10/22/2021	Stage 2B	Soil	FD10																X	X			X
53040	L1421799	ES-57-90.0-20211022-FD	L1421799-10	10/22/2021	Stage 2B	Soil	FD10																X	X			X
53040	L1424441	NERT5.80S-10.0-20211027	L1424441-01	10/27/2021	Stage 2B	Soil																	X	X			X
53040	L1424441	NERT5.80S-20.0-20211027	L1424441-02	10/27/2021	Stage 2B	Soil																	X	X			X
53040	L1424441	NERT5.80S-30.0-20211027	L1424441-03	10/27/2021	Stage 2B	Soil																	X	X			X
53040	L1424441	NERT5.80S-40.0-20211027	L1424441-04	10/27/2021	Stage 2B	Soil																	X	X			X
53040	L1424441	NERT5.80S-50.0-20211027	L1424441-05	10/27/2021	Stage 2B	Soil																	X	X			X
53040	L1424441	NERT5.80S-60.0-20211027	L1424441-06	10/27/2021	Stage 2B	Soil																	X	X			X
53040	L1424441	NERT5.80S-70.0-20211027	L1424441-07	10/27/2021	Stage 2B	Soil																	X	X			X
53040	L1424441	NERT5.80S-80.0-20211027	L1424441-08	10/27/2021	Stage 2B	Soil																	X	X			X
53040	L1424441	NERT5.80S-90.0-20211027	L1424441-09	10/27/2021	Stage 2B	Soil																	X	X			X
53044	5501617541	M-103-20210412	550-161754-1	4/12/2021	Stage 2A	Water	FD11	X			X												X	X		X	
53044	5501617541	M-103-20210412-FD	550-161754-2	4/12/2021	Stage 2A	Water	FD11	X			X												X	X		X	

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LDC	SDG	Client Sample ID	Lab ID	Sample Date	Validation Level	Matrix	QC Type	VOA (SW8260B)	Metals (SW6010B)	Dissolved Metals (200.7)	Cr (200.7)	CR(VI) (SM3500)	Cr(VI)(SW7196A)	Cr(VI)(SW7199)	Br (300.0)	Br (9056A)	Cl (300.0)	NO3-N (300.0)	NO2-N (300.0)	NO3-N (SW9056A)	NO2-N (SW9056A)	SO4 (300.0)	Chlorate (300.1)	ClO4 (314.0)	Alkalinity (SM2320B)	TDS (SM2540C)	Total Solids (SM2540G)
53044	5501617541	M-103-20210412-FB	550-161754-3	4/12/2021	Stage 2A	Water	FB	X			X												X	X		X	
53044	5501617541	M-103-20210412-EB	550-161754-4	4/12/2021	Stage 2A	Water	EB	X			X												X	X		X	
53044	5501624221	M-103R-20210421	550-162422-1	4/21/2021	Stage 2A	Water		X			X												X	X		X	
53045	L1413601	PC-178-20211005	L1413601-01	10/5/2021	Stage 2A	Water		X		X				X	X		X	X	X			X	X	X	X	X	
53045	L1413601	PC-53-20211005	L1413601-02	10/5/2021	Stage 2A	Water		X		X				X	X		X	X	X			X	X	X	X	X	
53045	L1413601	PC-2-20211005	L1413601-03	10/5/2021	Stage 2A	Water		X		X				X	X		X	X	X			X	X	X	X	X	
53045	L1413601	PC-202-20211005	L1413601-04	10/5/2021	Stage 2A	Water		X		X				X	X		X	X	X			X	X	X	X	X	
53045	L1413601	PC-4-20211005	L1413601-05	10/5/2021	Stage 2A	Water		X		X				X	X		X	X	X			X	X	X	X	X	
53045	L1413601	PC-4-20211005-TB	L1413601-06	10/5/2021	Stage 2A	Water	TB	X																			
53045	L1414236	PC-201-20211006	L1414236-01	10/6/2021	Stage 2A	Water		X		X				X	X		X	X	X			X	X	X	X	X	
53045	L1414236	PC-58-20211006	L1414236-87	10/6/2021	Stage 2A	Water		X		X				X	X		X	X	X			X	X	X	X	X	
53045	L1414236	PC-56-20211006	L1414236-88	10/6/2021	Stage 2A	Water	FD12	X		X				X	X		X	X	X			X	X	X	X	X	
53045	L1414236	PC-56-20211006-FD	L1414236-89	10/6/2021	Stage 2A	Water	FD12	X		X				X	X		X	X	X			X	X	X	X	X	
53045	L1414236	PC-58-20211006-EB	L1414236-90	10/6/2021	Stage 2A	Water	EB	X		X				X	X		X	X	X			X	X	X	X	X	
53045	L1414236	PC-60-20211006	L1414236-91	10/6/2021	Stage 2A	Water		X		X				X	X		X	X	X			X	X	X	X	X	
53045	L1414236	PC-59-20211006	L1414236-92	10/6/2021	Stage 2A	Water		X		X				X	X		X	X	X			X	X	X	X	X	
53045	L1414236	PC-68-20211006	L1414236-93	10/6/2021	Stage 2A	Water		X		X				X	X		X	X	X			X	X	X	X	X	
53045	L1414236	PC-62-20211006	L1414236-94	10/6/2021	Stage 2A	Water		X		X				X	X		X	X	X			X	X	X	X	X	
53045	L1414236	DBMW-19-20211006	L1414236-95	10/6/2021	Stage 2A	Water		X		X				X	X		X	X	X			X	X	X	X	X	
53045	L1414236	DBMW-19-20211006-TB	L1414236-96	10/6/2021	Stage 2A	Water	TB	X																			
53045	L1414932	PC-79-20211007-TB	L1414932-01	10/7/2021	Stage 2A	Water	TB	X																			
53045	L1414932	PC-79-20211007	L1414932-87	10/7/2021	Stage 2A	Water		X		X				X	X		X	X	X			X	X	X	X	X	
53045	L1414932	PC-80-20211007	L1414932-88	10/7/2021	Stage 2A	Water		X		X				X	X		X	X	X			X	X	X	X	X	
53045	L1414932	PC-81-20211007	L1414932-89	10/7/2021	Stage 2A	Water		X		X				X	X		X	X	X			X	X	X	X	X	
53045	L1414932	PC-82-20211007	L1414932-90	10/7/2021	Stage 2A	Water		X		X				X	X		X	X	X			X	X	X	X	X	
53045	L1414932	PC-83-20211007	L1414932-91	10/7/2021	Stage 2A	Water		X		X				X	X		X	X	X			X	X	X	X	X	

Table I. Sample Cross-Reference

LDC	SDG	Client Sample ID	Lab ID	Sample Date	Validation Level	Matrix	QC Type	VOA (SW8260B)	Metals (SW6010B)	Dissolved Metals (200.7)	Cr (200.7)	CR(VI) (SM3500)	Cr(VI)(SW7196A)	Cr(VI)(SW7199)	Br (300.0)	Br (9056A)	Cl (300.0)	NO3-N (300.0)	NO2-N (300.0)	NO3-N (SW9056A)	NO2-N (SW9056A)	SO4 (300.0)	Chlorate (300.1)	ClO4 (314.0)	Alkalinity (SM2320B)	TDS (SM2540C)	Total Solids (SM2540G)
53045	L1414932	PC-87-20211007	L1414932-92	10/7/2021	Stage 2A	Water		X		X				X	X		X	X	X			X	X	X	X	X	
53045	L1414932	PC-86-20211007	L1414932-93	10/7/2021	Stage 2A	Water		X		X				X	X		X	X	X			X	X	X	X	X	
53045	L1414932	PC-85-20211007	L1414932-94	10/7/2021	Stage 2A	Water		X		X				X	X		X	X	X			X	X	X	X	X	
53045	L1415470	PC-157B-20211008-TB	L1415470-01	10/8/2021	Stage 2A	Water	TB	X																			
53045	L1415470	PC-157B-20211008	L1415470-87	10/8/2021	Stage 2A	Water		X		X				X	X		X	X	X			X	X	X	X	X	
53045	L1415470	PC-157A-20211008	L1415470-88	10/8/2021	Stage 2A	Water		X		X				X	X		X	X	X			X	X	X	X	X	
53045	L1415470	PC-155B-20211008	L1415470-89	10/8/2021	Stage 2A	Water		X		X				X	X		X	X	X			X	X	X	X	X	
53045	L1415470	PC-155A-20211008	L1415470-90	10/8/2021	Stage 2A	Water		X		X				X	X		X	X	X			X	X	X	X	X	
53045	L1415470	PC-156B-20211008	L1415470-91	10/8/2021	Stage 2A	Water		X		X				X	X		X	X	X			X	X	X	X	X	
53045	L1415470	PC-156A-20211008	L1415470-92	10/8/2021	Stage 2A	Water		X		X				X	X		X	X	X			X	X	X	X	X	
53045	L1416362	PC-97-20211011-TB	L1416362-01	10/11/2021	Stage 2A	Water	TB	X																			
53045	L1416362	PC-97-20211011	L1416362-87	10/11/2021	Stage 2A	Water		X		X				X	X		X	X	X			X	X	X	X	X	
53045	L1416362	PC-198-20211011	L1416362-88	10/11/2021	Stage 2A	Water	FD13	X		X				X	X		X	X	X			X	X	X	X	X	
53045	L1416362	PC-199-20211011	L1416362-89	10/11/2021	Stage 2A	Water		X		X				X	X		X	X	X			X	X	X	X	X	
53045	L1416362	PC-198-20211011-FD	L1416362-90	10/11/2021	Stage 2A	Water	FD13	X		X				X	X		X	X	X			X	X	X	X	X	
53045	L1416362	PC-92-20211011	L1416362-91	10/11/2021	Stage 2A	Water		X		X				X	X		X	X	X			X	X	X	X	X	
53045	L1416362	PC-94-20211011	L1416362-92	10/11/2021	Stage 2A	Water		X		X				X	X		X	X	X			X	X	X	X	X	
53045	L1416362	PC-90-20211011	L1416362-93	10/11/2021	Stage 2A	Water		X		X				X	X		X	X	X			X	X	X	X	X	
53045	L1416362	PC-90-20211011-EB	L1416362-94	10/11/2021	Stage 2A	Water	EB	X		X				X	X		X	X	X			X	X	X	X	X	
53045	L1416362	PC-88-20211011	L1416362-95	10/11/2021	Stage 2A	Water		X		X				X	X		X	X	X			X	X	X	X	X	
53045	L1416362	PC-91-20211011	L1416362-96	10/11/2021	Stage 2A	Water		X		X				X	X		X	X	X			X	X	X	X	X	
53045	L1416362	PC-96-20211011	L1416362-97	10/11/2021	Stage 2A	Water		X		X				X	X		X	X	X			X	X	X	X	X	
53045	L1416883	PC-77-20211012	L1416883-01	10/12/2021	Stage 2A	Water		X		X				X	X		X	X	X			X	X	X	X	X	
53045	L1416883	ES-55B-20211012-TB	100	10/12/2021	Stage 2A	Water	TB	X																			
53045	L1416883	RIT-10-20211012	L1416883-88	10/12/2021	Stage 2A	Water		X		X				X	X		X	X	X			X	X	X	X	X	
53045	L1416883	PMW-8-20211012	L1416883-89	10/12/2021	Stage 2A	Water		X		X				X	X		X	X	X			X	X	X	X	X	

Table I. Sample Cross-Reference

LDC	SDG	Client Sample ID	Lab ID	Sample Date	Validation Level	Matrix	QC Type	VOA (SW8260B)	Metals (SW6010B)	Dissolved Metals (200.7)	Cr (200.7)	CR(VI) (SM3500)	Cr(VI)(SW7196A)	Cr(VI)(SW7199)	Br (300.0)	Br (9056A)	Cl (300.0)	NO3-N (300.0)	NO2-N (300.0)	NO3-N (SW9056A)	NO2-N (SW9056A)	SO4 (300.0)	Chlorate (300.1)	ClO4 (314.0)	Alkalinity (SM2320B)	TDS (SM2540C)	Total Solids (SM2540G)
53045	L1416883	PC-203-20211012	L1416883-90	10/12/2021	Stage 2A	Water		X		X				X	X		X	X	X			X	X	X	X	X	
53045	L1416883	PC-204-20211012	L1416883-91	10/12/2021	Stage 2A	Water		X		X				X	X		X	X	X			X	X	X	X	X	
53045	L1416883	WMW6.15S-20211012	L1416883-92	10/12/2021	Stage 2A	Water		X		X				X	X		X	X	X			X	X	X	X	X	
53045	L1416883	WMW6.9S-20211012	L1416883-93	10/12/2021	Stage 2A	Water		X		X				X	X		X	X	X			X	X	X	X	X	
53045	L1416883	PC-74-20211012	L1416883-94	10/12/2021	Stage 2A	Water		X		X				X	X		X	X	X			X	X	X	X	X	
53045	L1416883	PC-76-20211012	L1416883-95	10/12/2021	Stage 2A	Water		X		X				X	X		X	X	X			X	X	X	X	X	
53045	L1416883	ES-55C-20211012	L1416883-96	10/12/2021	Stage 2A	Water		X		X				X	X		X	X	X			X	X	X	X	X	
53045	L1416883	ES-55B-20211012	L1416883-98	10/12/2021	Stage 2A	Water		X		X				X	X		X	X	X			X	X	X	X	X	
53045	L1417492	PC-191-20211013	L1417492-01	10/13/2021	Stage 2A	Water		X		X				X	X		X	X	X			X	X	X	X	X	
53045	L1417492	PC-98R-20211013	L1417492-87	10/13/2021	Stage 2A	Water		X		X				X	X		X	X	X			X	X	X	X	X	
53045	L1417492	PC-103-20211013	L1417492-88	10/13/2021	Stage 2A	Water		X		X				X	X		X	X	X			X	X	X	X	X	
53045	L1417492	MWK5-20211013	L1417492-89	10/13/2021	Stage 2A	Water		X		X				X	X		X	X	X			X	X	X	X	X	
53045	L1417492	WMW6.55S-20211013	L1417492-90	10/13/2021	Stage 2A	Water		X		X				X	X		X	X	X			X	X	X	X	X	
53045	L1417492	COH-2B1-20211013	L1417492-91	10/13/2021	Stage 2A	Water		X		X				X	X		X	X	X			X	X	X	X	X	
53045	L1417492	PC-191-20211013-TB	L1417492-92	10/13/2021	Stage 2A	Water	TB	X																			
53045	L1417493	HM-2-20211013	L1417493-01	10/13/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53045	L1417493	LVWPS-MW106-20211013	328	10/13/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53045	L1417493	LVWPS-MW105-20211013	329	10/13/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53045	L1417493	ZTS-MW113-20211013	330	10/13/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53045	L1417493	LVWPS-MW104-20211013	331	10/13/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53045	L1417493	ZTS-MW114-20211013	332	10/13/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53045	L1418041	WMW6.15N-20211014-TB	L1418041-01	10/14/2021	Stage 2A	Water	TB	X																			
53045	L1418041	WMW6.15N-20211014-EB	L1418041-87	10/14/2021	Stage 2A	Water	EB	X		X				X	X		X	X	X			X	X	X	X	X	
53045	L1418041	WMW6.15N-20211014	L1418041-88	10/14/2021	Stage 2A	Water	FD14	X		X				X	X		X	X	X			X	X	X	X	X	
53045	L1418041	WMW6.15N-20211014-FD	L1418041-89	10/14/2021	Stage 2A	Water	FD14	X		X				X	X		X	X	X			X	X	X	X	X	
53045	L1418041	WMW6.9N-20211014	L1418041-90	10/14/2021	Stage 2A	Water		X		X				X	X		X	X	X			X	X	X	X	X	

Table I. Sample Cross-Reference

LDC	SDG	Client Sample ID	Lab ID	Sample Date	Validation Level	Matrix	QC Type	VOA (SW8260B)	Metals (SW6010B)	Dissolved Metals (200.7)	Cr (200.7)	CR(VI) (SM3500)	Cr(VI)(SW7196A)	Cr(VI)(SW7199)	Br (300.0)	Br (9056A)	Cl (300.0)	NO3-N (300.0)	NO2-N (300.0)	NO3-N (SW9056A)	NO2-N (SW9056A)	SO4 (300.0)	Chlorate (300.1)	ClO4 (314.0)	Alkalinity (SM2320B)	TDS (SM2540C)	Total Solids (SM2540G)
53045	L1418050	LVWPS-MW109-20211014	L1418050-01	10/14/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53045	L1418050	ZTS-MW115-20211014	328	10/14/2021	Stage 2A	Water	FD15			X				X			X	X				X	X	X	X	X	
53045	L1418050	ZTS-MW115-20211014-FD	329	10/14/2021	Stage 2A	Water	FD15			X				X			X	X				X	X	X	X	X	
53045	L1418050	LVWPS-MW110-20211014	330	10/14/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53045	L1418050	LVWPS-MW110-20211014-EB	331	10/14/2021	Stage 2A	Water	EB			X				X			X	X				X	X	X	X	X	
53045	L1418050	AA-23R-20211014	332	10/14/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53045	L1418050	NERT5.91S1-20211014	333	10/14/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53045	L1418050	NERT5.49S1-20211014	334	10/14/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53045	L1418050	WMW4.9N-20211014	335	10/14/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53045	L1418554	LVWPS-MW203A-20211015	328	10/15/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53045	L1418554	LVWPS-MW203B-20211015	329	10/15/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53045	L1418554	LVWPS-MW203C-20211015	330	10/15/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53045	L1418554	LVWPS-MW202-20211015	331	10/15/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53045	L1418554	LVWPS-MW201A-20211015	332	10/15/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53045	L1418554	LVWPS-MW201B-20211015	333	10/15/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53045	L1418554	WMW5.5S-20211015	334	10/15/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53045	L1418554	AA-30-20211015	335	10/15/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53045	L1418554	NERT4.93S1-20211015	336	10/15/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53045	L1418554	LVWPS-MW226A-20211015	337	10/15/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53045	L1418554	LVWPS-MW226B-20211015	339	10/15/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53045	L1419366	LVWPS-MW111B-20211018	L1419366-01	10/18/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53045	L1419366	LVWPS-MW111A-20211018	328	10/18/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53045	L1419366	LVWPS-MW101B-20211018	329	10/18/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53045	L1419366	LVWPS-MW101A-20211018	330	10/18/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53045	L1419366	LVWPS-MW112B-20211018	331	10/18/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53045	L1419366	LVWPS-MW112A-20211018	332	10/18/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	

Table I. Sample Cross-Reference

LDC	SDG	Client Sample ID	Lab ID	Sample Date	Validation Level	Matrix	QC Type	VOA (SW8260B)	Metals (SW6010B)	Dissolved Metals (200.7)	Cr (200.7)	CR(VI) (SM3500)	Cr(VI)(SW7196A)	Cr(VI)(SW7199)	Br (300.0)	Br (9056A)	Cl (300.0)	NO3-N (300.0)	NO2-N (300.0)	NO3-N (SW9056A)	NO2-N (SW9056A)	SO4 (300.0)	Chlorate (300.1)	ClO4 (314.0)	Alkalinity (SM2320B)	TDS (SM2540C)	Total Solids (SM2540G)
53045	L1419366	LVWPS-MW108A-20211018	333	10/18/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53045	L1419366	LVWPS-MW108B-20211018	334	10/18/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53045	L1419366	LVWPS-MW108C-20211018	335	10/18/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53045	L1419366	LVWPS-MW102A-20211018	336	10/18/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53045	L1419366	LVWPS-MW102B-20211018	337	10/18/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53045	L1419366	LVWPS-MW103A-20211018	338	10/18/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53045	L1419366	LVWPS-MW103B-20211018	339	10/18/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53045	L1419830	LVWPS-MW107C-20211019	L1419830-01	10/19/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53045	L1419830	LVWPS-MW107C-20211019-EB	L1419830-02	10/19/2021	Stage 2A	Water	EB			X				X			X	X				X	X	X	X	X	
53045	L1419830	LVWPS-MW107B-20211019	L1419830-03	10/19/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53045	L1419830	LVWPS-MW107A-20211019	L1419830-04	10/19/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53045	L1419830	AA-22-20211019	L1419830-05	10/19/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53045	L1419830	ES-56C-20211019	L1419830-06	10/19/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53045	L1419830	ES-56B-20211019	L1419830-07	10/19/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53045	L1419830	LVWPS-MW204A-20211019	L1419830-08	10/19/2021	Stage 2A	Water	FD16			X				X			X	X				X	X	X	X	X	
53045	L1419830	LVWPS-MW204A-20211019-FD	L1419830-09	10/19/2021	Stage 2A	Water	FD16			X				X			X	X				X	X	X	X	X	
53045	L1419830	LVWPS-MW217A-20211019	L1419830-10	10/19/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53045	L1419830	LVWPS-MW217B-20211019	L1419830-11	10/19/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53045	L1419830	LVWPS-MW205B-20211019	L1419830-12	10/19/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53045	L1419830	LVWPS-MW205C-20211019	L1419830-13	10/19/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53045	L1419830	LVWPS-MW218A-20211019	L1419830-14	10/19/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53045	L1419830	LVWPS-MW218B-20211019	L1419830-15	10/19/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53045	L1419830	LVWPS-MW218C-20211019	L1419830-16	10/19/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53045	L1419830	LVWPS-MW204B-20211019	L1419830-17	10/19/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53045	L1420407	MCF-18A-20211020	L1420407-01	10/20/2021	Stage 2A	Water		X		X				X	X		X	X	X			X	X	X	X	X	
53045	L1420407	MCF-28A-20211020	L1420407-02	10/20/2021	Stage 2A	Water		X		X				X	X		X	X	X			X	X	X	X	X	

Table I. Sample Cross-Reference

LDC	SDG	Client Sample ID	Lab ID	Sample Date	Validation Level	Matrix	QC Type	VOA (SW8260B)	Metals (SW6010B)	Dissolved Metals (200.7)	Cr (200.7)	CR(VI) (SM3500)	Cr(VI)(SW7196A)	Cr(VI)(SW7199)	Br (300.0)	Br (9056A)	Cl (300.0)	NO3-N (300.0)	NO2-N (300.0)	NO3-N (SW9056A)	NO2-N (SW9056A)	SO4 (300.0)	Chlorate (300.1)	ClO4 (314.0)	Alkalinity (SM2320B)	TDS (SM2540C)	Total Solids (SM2540G)
53045	L1420407	MCF-28B-20211020	L1420407-03	10/20/2021	Stage 2A	Water		X		X				X	X		X	X	X			X	X	X	X	X	
53045	L1420407	MCF-18A-20211020-TB	L1420407-04	10/20/2021	Stage 2A	Water	TB	X																			
53045	L1420412	LVWPS-MW209-20211020	L1420412-01	10/20/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53045	L1420412	LVWPS-MW209A-20211020	L1420412-02	10/20/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53045	L1420412	LVWPS-MW209B-20211020	L1420412-03	10/20/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53045	L1420412	LVWPS-MW209C-20211020	L1420412-04	10/20/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53045	L1420412	LVWPS-MW211-20211020	L1420412-05	10/20/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53045	L1420412	LVWPS-MW213-20211020	L1420412-06	10/20/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53045	L1420412	LVWPS-MW217C-20211020	L1420412-07	10/20/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53045	L1420412	LVWPS-MW204C-20211020	L1420412-08	10/20/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53045	L1420412	MCF-29A-20211020	L1420412-09	10/20/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53045	L1420412	MCF-29B-20211020	L1420412-10	10/20/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53045	L1421039	MCF-30A-20211021	L1421039-01	10/21/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53045	L1421039	MCF-30B-20211021	L1421039-02	10/21/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53045	L1421039	MCF-31A-20211021	L1421039-03	10/21/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53045	L1421039	MCF-31B-20211021	L1421039-04	10/21/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53045	L1421039	MW-04-20211021	L1421039-05	10/21/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53045	L1421039	MW-17-20211021	L1421039-06	10/21/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53045	L1421039	NERT5.11S1-20211021	L1421039-07	10/21/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53045	L1421039	NERT5.11S1-20211021-FD	L1421039-08	10/21/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53045	L1421039	NERT5.11S1-20211021-EB	L1421039-09	10/21/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53045	L1421039	LVWPS-MW207-20211021	L1421039-10	10/21/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53045	L1421039	NERT4.71S2-20211021	L1421039-11	10/21/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53045	L1421039	LVWPS-MW220A-20211021	L1421039-12	10/21/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53045	L1421039	LVWPS-MW220B-20211021	L1421039-13	10/21/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53045	L1421039	NERT4.64S1-20211021	L1421039-14	10/21/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	

Table I. Sample Cross-Reference

LDC	SDG	Client Sample ID	Lab ID	Sample Date	Validation Level	Matrix	QC Type	VOA (SW8260B)	Metals (SW6010B)	Dissolved Metals (200.7)	Cr (200.7)	CR(VI) (SM3500)	Cr(VI)(SW7196A)	Cr(VI)(SW7199)	Br (300.0)	Br (9056A)	Cl (300.0)	NO3-N (300.0)	NO2-N (300.0)	NO3-N (SW9056A)	NO2-N (SW9056A)	SO4 (300.0)	Chlorate (300.1)	ClO4 (314.0)	Alkalinity (SM2320B)	TDS (SM2540C)	Total Solids (SM2540G)
53045	L1421039	LVWPS-MW215A-20211021	L1421039-15	10/21/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53045	L1421039	LVWPS-MW215B-20211021	L1421039-16	10/21/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53045	L1421565	LVWPS-MW206E-20211022	L1421565-01	10/22/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53045	L1421565	LVWPS-MW206D-20211022	L1421565-02	10/22/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53045	L1421565	LVWPS-MW206A-20211022	L1421565-03	10/22/2021	Stage 2A	Water	FD17			X				X			X	X				X	X	X	X	X	
53045	L1421565	LVWPS-MW206A-20211022-FD	L1421565-04	10/22/2021	Stage 2A	Water	FD17			X				X			X	X				X	X	X	X	X	
53045	L1421565	LVWPS-MW206C-20211022	L1421565-05	10/22/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53045	L1421565	LVWPS-MW222C-20211022	L1421565-06	10/22/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53045	L1421565	LVWPS-MW222A-20211022	L1421565-07	10/22/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53045	L1421565	LVWPS-MW210A-20211022	L1421565-08	10/22/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53045	L1421565	LVWPS-MW210B-20211022	L1421565-09	10/22/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53045	L1421565	LVWPS-MW210C-20211022	L1421565-10	10/22/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53045	L1421565	LVWPS-MW210D-20211022	L1421565-11	10/22/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53045	L1421565	LVWPS-MW210E-20211022	L1421565-12	10/22/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53045	L1421565	LVWPS-MW214-20211022	L1421565-13	10/22/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53045	L1421565	LVWPS-MW206A-20211022-EB	L1421565-16	10/22/2021	Stage 2A	Water	EB			X				X			X	X				X	X	X	X	X	
53045	L1425080	ES-50-20211101	L1425080-01	11/1/2021	Stage 2A	Water	FD18			X				X			X	X				X	X	X	X	X	
53045	L1425080	ES-50-20211101-FD	L1425080-02	11/1/2021	Stage 2A	Water	FD18			X				X			X	X				X	X	X	X	X	
53045	L1425080	ES-50-20211101-EB	L1425080-03	11/1/2021	Stage 2A	Water	EB			X				X			X	X				X	X	X	X	X	
53045	L1425080	ES-51-20211101	L1425080-04	11/1/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53045	L1425080	ES-52-20211101	L1425080-05	11/1/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53045	L1425080	ES-49-20211101	L1425080-06	11/1/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53045	L1425080	ES-48-20211101	L1425080-07	11/1/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53045	L1425080	ES-47-20211101	L1425080-08	11/1/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53045	L1425080	ES-46-20211101	L1425080-09	11/1/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53045	L1425080	ES-45-20211101	L1425080-10	11/1/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	

Table I. Sample Cross-Reference

LDC	SDG	Client Sample ID	Lab ID	Sample Date	Validation Level	Matrix	QC Type	VOA (SW8260B)	Metals (SW6010B)	Dissolved Metals (200.7)	Cr (200.7)	CR(VI) (SM3500)	Cr(VI)(SW7196A)	Cr(VI)(SW7199)	Br (300.0)	Br (9056A)	Cl (300.0)	NO3-N (300.0)	NO2-N (300.0)	NO3-N (SW9056A)	NO2-N (SW9056A)	SO4 (300.0)	Chlorate (300.1)	ClO4 (314.0)	Alkalinity (SM2320B)	TDS (SM2540C)	Total Solids (SM2540G)
53045	L1425080	ES-26-20211101	L1425080-11	11/1/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53045	L1425080	DBMW-22-20211101	L1425080-12	11/1/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53045	L1425080	NERT4.71S1-20211101	L1425080-13	11/1/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53045	L1425080	LVWPS-MW223C-20211101	L1425080-14	11/1/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53045	L1425080	LVWPS-MW223B-20211101	L1425080-15	11/1/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53045	L1425080	LVWPS-MW223A-20211101	L1425080-16	11/1/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53045	L1425080	LVWPS-MW208A-20211101	L1425080-17	11/1/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53045	L1425080	ES-25B-20211101	L1425080-18	11/1/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53045	L1425080	ES-25A-20211101	L1425080-19	11/1/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53045	L1425714	LVWPS-MW212A-20211102	L1425714-01	11/2/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53045	L1425714	LVWPS-MW212B-20211102	L1425714-02	11/2/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53045	L1425714	LVWPS-MW212C-20211102	L1425714-03	11/2/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53045	L1425714	LVWPS-MW212D-20211102	L1425714-04	11/2/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53045	L1425714	LVWPS-MW221A-20211102	L1425714-05	11/2/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53045	L1425714	LVWPS-MW221B-20211102	L1425714-06	11/2/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53045	L1425714	NERT4.51S1-20211102	L1425714-07	11/2/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53045	L1425714	NERT3.58N1-20211102	L1425714-08	11/2/2021	Stage 2A	Water	FD19			X				X			X	X				X	X	X	X	X	
53045	L1425714	NERT3.60N1-20211102	L1425714-09	11/2/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53045	L1425714	WMW3.5N-20211102	L1425714-10	11/2/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53045	L1425714	NERT4.21N1-20211102	L1425714-11	11/2/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53045	L1425714	NERT4.38N1-20211102	L1425714-12	11/2/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53045	L1425714	LNDMW-2-20211102	L1425714-13	11/2/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53045	L1425714	NERT3.58N1-20211102-FD	L1425714-14	11/2/2021	Stage 2A	Water	FD19			X				X			X	X				X	X	X	X	X	
53045	L1425714	NERT3.60N1-20211102-EB	L1425714-15	11/2/2021	Stage 2A	Water	EB			X				X			X	X				X	X	X	X	X	
53045	L1426343	NERT4.64N1-20211103	L1426343-01	11/3/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53045	L1426343	NERT4.65N1-20211103	L1426343-02	11/3/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	

Table I. Sample Cross-Reference

LDC	SDG	Client Sample ID	Lab ID	Sample Date	Validation Level	Matrix	QC Type	VOA (SW8260B)	Metals (SW6010B)	Dissolved Metals (200.7)	Cr (200.7)	CR(VI) (SM3500)	Cr(VI)(SW7196A)	Cr(VI)(SW7199)	Br (300.0)	Br (9056A)	Cl (300.0)	NO3-N (300.0)	NO2-N (300.0)	NO3-N (SW9056A)	NO2-N (SW9056A)	SO4 (300.0)	Chlorate (300.1)	ClO4 (314.0)	Alkalinity (SM2320B)	TDS (SM2540C)	Total Solids (SM2540G)
53045	L1426343	NERT4.70N1-20211103	L1426343-03	11/3/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53045	L1426343	NERT4.71N1-20211103	L1426343-04	11/3/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53045	L1426343	WMW5.7N-20211103	L1426343-05	11/3/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53045	L1426343	USGS-SE-20211103	L1426343-06	11/3/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53045	L1426343	MW-23-20211103	L1426343-07	11/3/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53045	L1426343	MW-02-20211103	L1426343-08	11/3/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53045	L1426343	LVWPS-MW224A-20211103	L1426343-09	11/3/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53045	L1426343	LVWPS-MW224B-20211103	L1426343-10	11/3/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53045	L1426343	LVWPS-MW224C-20211103	L1426343-11	11/3/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53045	L1426343	LVWPS-MW219A-20211103	L1426343-12	11/3/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53045	L1426343	LVWPS-MW219B-20211103	L1426343-13	11/3/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53045	L1426343	LVWPS-MW219C-20211103	L1426343-14	11/3/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53045	L1426982	MW-13-20211104	L1426982-01	11/4/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53045	L1426982	LVWPS-MW225A-20211104	L1426982-02	11/4/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53045	L1426982	LVWPS-MW225B-20211104	L1426982-03	11/4/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53045	L1426982	DBMW-20-20211104	L1426982-04	11/4/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53045	L1426982	ES-27-20211104	L1426982-05	11/4/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53045	L1426982	WMW3.5S-20211104	L1426982-06	11/4/2021	Stage 2A	Water	FD20			X				X			X	X				X	X	X	X	X	
53045	L1426982	WMW3.5S-20211104-FD	L1426982-07	11/4/2021	Stage 2A	Water	FD20			X				X			X	X				X	X	X	X	X	
53045	L1426982	NERT3.35S1-20211104	L1426982-08	11/4/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53045	L1426982	NERT3.35S1-20211104-EB	L1426982-09	11/4/2021	Stage 2A	Water	EB			X				X			X	X				X	X	X	X	X	
53045	L1426982	NERT3.40S1-20211104	L1426982-10	11/4/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53045	L1426982	NERT3.58S1-20211104	L1426982-11	11/4/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53045	L1426982	NERT3.60S1-20211104	L1426982-12	11/4/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53045	L1426982	NERT3.63S1-20211104	L1426982-13	11/4/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53045	L1426982	NERT3.80S1-20211104	L1426982-14	11/4/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	

Table I. Sample Cross-Reference

LDC	SDG	Client Sample ID	Lab ID	Sample Date	Validation Level	Matrix	QC Type	VOA (SW8260B)	Metals (SW6010B)	Dissolved Metals (200.7)	Cr (200.7)	CR(VI) (SM3500)	Cr(VI)(SW7196A)	Cr(VI)(SW7199)	Br (300.0)	Br (9056A)	Cl (300.0)	NO3-N (300.0)	NO2-N (300.0)	NO3-N (SW9056A)	NO2-N (SW9056A)	SO4 (300.0)	Chlorate (300.1)	ClO4 (314.0)	Alkalinity (SM2320B)	TDS (SM2540C)	Total Solids (SM2540G)
53045	L1426982	NERT3.98S1-20211104	L1426982-15	11/4/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53045	L1427569	MW-16-20211105	L1427569-01	11/5/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53045	L1427569	MW-12-20211105	L1427569-02	11/5/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53045	L1427569	MW-11-20211105	L1427569-03	11/5/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53045	L1427569	MW-05-20211105	L1427569-04	11/5/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53045	L1427569	MW-22-20211105	L1427569-05	11/5/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53045	L1427569	MW-25-20211105	L1427569-06	11/5/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53045	L1427569	MW-19-20211105	L1427569-07	11/5/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53045	L1427569	MW-18-20211105	L1427569-08	11/5/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53045	L1427569	WMW5.7S-20211105	L1427569-09	11/5/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53045	L1427569	WMW4.9S-20211105	L1427569-10	11/5/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53045	L1427569	LVWPS-MW208B-20211105	L1427569-11	11/5/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53045	L1427569	LVWPS-MW222B-20211105	L1427569-12	11/5/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53045	L1427569	LNDMW-1-20211105	L1427569-13	11/5/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53045	L1427569	LVWPS-MW216-20211105	L1427569-14	11/5/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53045	L1428279	AA-26-20211108	L1428279-01	11/8/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53045	L1428279	AA-26-20211108-EB	L1428279-02	11/8/2021	Stage 2A	Water	EB			X				X			X	X				X	X	X	X	X	
53045	L1428279	ES-23A-20211108	L1428279-03	11/8/2021	Stage 2A	Water	FD21			X				X			X	X				X	X	X	X	X	
53045	L1428279	ES-23A-20211108-FD	L1428279-04	11/8/2021	Stage 2A	Water	FD21			X				X			X	X				X	X	X	X	X	
53045	L1428279	AA-07-20211108	L1428279-05	11/8/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53045	L1428279	ES-21A-20211108	L1428279-06	11/8/2021	Stage 2A	Water				X				X			X	X				X	X	X	X		
53045	L1428279	ES-21B-20211108	L1428279-07	11/8/2021	Stage 2A	Water				X				X			X	X				X	X	X	X		
53045	L1428279	ES-22A-20211108	L1428279-08	11/8/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53045	L1428279	ES-22B-20211108	L1428279-09	11/8/2021	Stage 2A	Water				X				X			X	X				X	X	X	X		
53045	L1428753	MW-1-20211109	L1428753-01	11/9/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53045	L1428753	MW-2-20211109	L1428753-02	11/9/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	

Table I. Sample Cross-Reference

LDC	SDG	Client Sample ID	Lab ID	Sample Date	Validation Level	Matrix	QC Type	VOA (SW8260B)	Metals (SW6010B)	Dissolved Metals (200.7)	Cr (200.7)	CR(VI) (SM3500)	Cr(VI)(SW7196A)	Cr(VI)(SW7199)	Br (300.0)	Br (9056A)	Cl (300.0)	NO3-N (300.0)	NO2-N (300.0)	NO3-N (SW9056A)	NO2-N (SW9056A)	SO4 (300.0)	Chlorate (300.1)	ClO4 (314.0)	Alkalinity (SM2320B)	TDS (SM2540C)	Total Solids (SM2540G)
53045	L1428753	MW-4-20211109	L1428753-03	11/9/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53045	L1428753	MW-3-20211109	L1428753-04	11/9/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53045	L1428753	ES-23B-20211109	L1428753-05	11/9/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53045	L1428753	ES-24-20211109	L1428753-06	11/9/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53045	L1428753	MCF-07-20211109	L1428753-07	11/9/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53045	L1429196	MW-21R-20211110	L1429196-01	11/10/2021	Stage 2A	Water	FD22			X				X			X	X				X	X	X	X	X	
53045	L1429196	MW-21R-20211110-EB	L1429196-02	11/10/2021	Stage 2A	Water	EB			X				X			X	X				X	X	X	X	X	
53045	L1429196	MW-21R-20211110-FD	L1429196-03	11/10/2021	Stage 2A	Water	FD22			X				X			X	X				X	X	X	X	X	
53045	L1429196	MW-20-20211110	L1429196-04	11/10/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53045	L1429196	MW-10-20211110	L1429196-05	11/10/2021	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53359	L1449351	PC-205A-20220110	L1449351-01	1/10/2022	Stage 2A	Water		X		X				X	X		X	X	X			X	X	X	X	X	
53359	L1449351	PC-205B-20220110	L1449351-02	1/10/2022	Stage 2A	Water	FD23	X		X				X	X		X	X	X			X	X	X	X	X	
53359	L1449351	PC-205B-20220110-FD	L1449351-03	1/10/2022	Stage 2A	Water	FD23	X		X				X	X		X	X	X			X	X	X	X	X	
53359	L1449351	PC-205B-20220110-TB	L1449351-04	1/10/2022	Stage 2A	Water	TB	X																			
53359	L1449351	PC-157C-20220110	L1449351-05	1/10/2022	Stage 2A	Water		X		X				X	X		X	X	X			X	X	X	X	X	
53359	L1449351	PC-94D-20220110	L1449351-06	1/10/2022	Stage 2A	Water		X		X				X	X		X	X	X			X	X	X	X	X	
53359	L1449352	NERT5.91S2-20220110	L1449352-01	1/10/2022	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53359	L1449352	NERT5.91S3-20220110	L1449352-02	1/10/2022	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53359	L1449352	NERT5.63S1-20220110	L1449352-03	1/10/2022	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53359	L1449352	NERT5.63S2-20220110	L1449352-04	1/10/2022	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53359	L1449352	NERT5.63S3-20220110	L1449352-05	1/10/2022	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53359	L1449352	NERT5.98S2-20220110	L1449352-06	1/10/2022	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53359	L1449352	NERT5.98S1-20220110	L1449352-07	1/10/2022	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53359	L1449352	NERT5.98S1-20220110-EB	L1449352-08	1/10/2022	Stage 2A	Water	EB			X				X			X	X				X	X	X	X	X	
53359	L1449352	NERT5.80S1-20220110	L1449352-09	1/10/2022	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53359	L1449352	NERT5.80S2-20220110	L1449352-10	1/10/2022	Stage 2A	Water				X				X			X	X				X	X	X	X	X	

Table I. Sample Cross-Reference

LDC	SDG	Client Sample ID	Lab ID	Sample Date	Validation Level	Matrix	QC Type	VOA (SW8260B)	Metals (SW6010B)	Dissolved Metals (200.7)	Cr (200.7)	CR(VI) (SM3500)	Cr(VI)(SW7196A)	Cr(VI)(SW7199)	Br (300.0)	Br (9056A)	Cl (300.0)	NO3-N (300.0)	NO2-N (300.0)	NO3-N (SW9056A)	NO2-N (SW9056A)	SO4 (300.0)	Chlorate (300.1)	ClO4 (314.0)	Alkalinity (SM2320B)	TDS (SM2540C)	Total Solids (SM2540G)
53359	L1449352	NERT5.49S2-20220110	L1449352-11	1/10/2022	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53359	L1449987	NERT5.20S2-20220111	L1449987-01	1/11/2022	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53359	L1449987	NERT5.20S3-20220111	L1449987-02	1/11/2022	Stage 2A	Water	FD24			X				X			X	X				X	X	X	X	X	
53359	L1449987	NERT5.20S3-20220111-FD	L1449987-03	1/11/2022	Stage 2A	Water	FD24			X				X			X	X				X	X	X	X	X	
53359	L1449987	NERT5.11S2-20220111	L1449987-04	1/11/2022	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53359	L1449987	LVWPS-MW206B-20220111	L1449987-05	1/11/2022	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53359	L1449987	ES-57A-20220111	L1449987-06	1/11/2022	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53359	L1449987	ES-57B-20220111	L1449987-07	1/11/2022	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53359	L1449987	ES-58A-20220111	L1449987-08	1/11/2022	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53359	L1449987	ES-58B-20220111	L1449987-09	1/11/2022	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53359	L1449987	NERT6.21N1-20220111	L1449987-10	1/11/2022	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53359	L1449987	NERT5.83N1-20220111	L1449987-11	1/11/2022	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53359	L1449987	NERT5.26N1-20220111	L1449987-12	1/11/2022	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53359	L1449987	NERT4.29N2-20220111	L1449987-13	1/11/2022	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53359	L1449987	NERT4.29N1-20220111	L1449987-14	1/11/2022	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53359	L1449987	NERT4.29N1-20220111-EB	L1449987-15	1/11/2022	Stage 2A	Water	EB			X				X			X	X				X	X	X	X	X	
53359	L1449987	NERT3.94N1-20220111	L1449987-16	1/11/2022	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53359	L1450402	FM-02A-20220112	L1450402-01	1/12/2022	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53359	L1450402	NERT3.60S2-20220112	L1450402-02	1/12/2022	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53359	L1450402	ES-54-20220112	L1450402-03	1/12/2022	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
53359	L1450402	ES-53-20220112	L1450402-04	1/12/2022	Stage 2A	Water				X				X			X	X				X	X	X	X	X	
54287	L1495345	NERT5.15S1-20220519	L1495345-01	5/19/2022	Stage 2A	Water				X		X		X			X	X				X	X	X	X	X	
54287	L1495345	NERT5.15S2-20220519	L1495345-02	5/19/2022	Stage 2A	Water				X		X					X	X				X	X	X	X	X	

Table II. Stage 2A, Stage 2B & Stage 4 Validation Elements

Quality Control Elements	Stage 2A		
	GC/MS[1]	Metals	Wet Chemistry
Sample Receipt & Technical Holding Time	√	√	√
Instrument Performance Check	-	-	-
Initial Calibration (ICAL)	-	-	-
Initial Calibration Verification (ICV)	-	-	-
Continuing Calibration Verification (CCV)	-	-	-
Laboratory Blanks	√	√	√
Initial Calibration Blank and Continuing Calibration Blank (ICB/CCB)	**N/A**	√	√
Field Blanks	√	√	√
Inductively Coupled Plasma (ICP) Interference Check Sample	**N/A**	-	**N/A**
Surrogate Spikes	√	**N/A**	√
Matrix Spike (MS)/ Matrix Spike Duplicate (MSD)	√	√	√
Laboratory Duplicate (DUP)	**N/A**	**N/A**	√
Laboratory Control Sample (LCS)/ Laboratory Control Sample Duplicate (LCSD)	√	√	√
Serial Dilution	**N/A**	√	**N/A**
Internal Standards	-	-	**N/A**
Field Duplicate	√	√	√
RPD Between Two Columns	**N/A**	**N/A**	**N/A**
Project Quantitation Limits (PQL)[2]	√	√	√
Multiple Results for One Sample	√	√	√
Target Analyte Identification	-	-	-
Target Analyte Quantitation	-	-	-
System Performance[3]	-	-	-
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
[1]GC/MS = VOC
[2]PQLs verified for GC/MS, Metals, and Wet Chemistry methods.
[3]System performance is a thorough review of the data acquisition that can yield indicators of degrading instrument performance affecting quality of data.

Table II. Stage 2A, Stage 2B & Stage 4 Validation Elements

Quality Control Elements	Stage 2B		
	GC/MS[1]	Metals	Wet Chemistry
Sample Receipt & Technical Holding Time	√	√	√
Instrument Performance Check	√	√	√
Initial Calibration (ICAL)	√	√	√
Initial Calibration Verification (ICV)	√	√	√
Continuing Calibration Verification (CCV)	√	√	√
Laboratory Blanks	√	√	√
Initial Calibration Blank and Continuing Calibration Blank (ICB/CCB)	**N/A**	√	√
Field Blanks	√	√	√
Inductively Coupled Plasma (ICP) Interference Check Sample	**N/A**	√	**N/A**
Surrogate Spikes	√	**N/A**	√
Matrix Spike (MS)/ Matrix Spike Duplicate (MSD)	√	√	√
Laboratory Duplicate (DUP)	**N/A**	**N/A**	√
Laboratory Control Sample (LCS)/ Laboratory Control Sample Duplicate (LCSD)	√	√	√
Serial Dilution	**N/A**	√	**N/A**
Internal Standards	√	√	**N/A**
Field Duplicate	√	√	√
RPD Between Two Columns	**N/A**	**N/A**	**N/A**
Project Quantitation Limits (PQL)[2]	√	√	√
Multiple Results for One Sample	√	√	√
Target Analyte Identification	-	-	-
Target Analyte Quantitation	-	-	-
System Performance[3]	-	-	-
Overall Data Usability Assessment	√	√	√

√ = Reviewed for Stage 2B review
N/A = Not applicable to method or not performed during this sampling event
- = Not applicable for Stage 2B review
[1]GC/MS = VOC
[2]PQLs verified for GC/MS, Metals, and Wet Chemistry methods.
[3]System performance is a thorough review of the data acquisition that can yield indicators of degrading instrument performance affecting quality of data.

Table II. Stage 2A, Stage 2B & Stage 4 Validation Elements

Quality Control Elements	Stage 4		
	GC/MS[1]	Metals	Wet Chemistry
Sample Receipt & Technical Holding Time	√	√	√
Instrument Performance Check	√	**N/A**	√
Initial Calibration (ICAL)	√	√	√
Initial Calibration Verification (ICV)	√	√	√
Continuing Calibration Verification (CCV)	√	√	√
Laboratory Blanks	√	√	√
Initial Calibration Blank and Continuing Calibration Blank (ICB/CCB)	**N/A**	√	√
Field Blanks	√	√	√
Inductively Coupled Plasma (ICP) Interference Check Sample	**N/A**	√	**N/A**
Surrogate Spikes	√	**N/A**	√
Matrix Spike (MS)/ Matrix Spike Duplicate (MSD)	√	√	√
Laboratory Duplicate (DUP)	**N/A**	**N/A**	√
Laboratory Control Sample (LCS)/ Laboratory Control Sample Duplicate (LCSD)	√	√	√
Serial Dilution	**N/A**	√	**N/A**
Internal Standards	√	**N/A**	**N/A**
Field Duplicate	√	√	√
RPD Between Two Columns	**N/A**	**N/A**	**N/A**
Project Quantitation Limits (PQL)[2]	√	√	√
Multiple Results for One Sample	√	√	√
Target Analyte Identification	√	**N/A**	**N/A**
Target Analyte Quantitation	√	√	√
System Performance[3]	√	**N/A**	**N/A**
Overall Data Usability Assessment	√	√	√

√ = Reviewed for Stage 4 review
N/A = Not applicable to method or not performed during this sampling event
- = Not applicable for Stage 4 review
[1]GC/MS = VOC
[2]PQLs verified for GC/MS, Metals, and Wet Chemistry methods.
[3]System performance is a thorough review of the data acquisition that can yield indicators of degrading instrument performance affecting quality of data.

Table III. Stage 2A, Stage 2B & Stage 4 Validation Percentages

Parameter	Number of Analytes			Validation Percentage		
	(Water) Stage 2A Results	(Soil) Stage 2B Results	(Soil) Stage 4 Results	(Water) Stage 2A (%)	(Soil) Stage 2B (%)	(Soil) Stage 4 (%)
VOA (8260B)	5,519	585	65	100	90	10
Metals (SW6010B)	-	72	8	-	90	10
Dissolved Metals (E200.7)	2,121	-	-	100	-	-
Chromium (E200.7)	5	-	-	100	-	-
Cr(VI) (SM3500)	2	-	-	100	-	-
Cr(VI) (SW7196A)	-	9	1	-	90	10
Cr(VI) (SW7199)	295	-	-	100	-	-
Bromide (300.0)	69	-	-	100	-	-
Bromide (9056A)	-	9	1	-	90	10
Chloride (300.0)	296	-	-	100	-	-
Nitrate as Nitrogen (300.0)	301	-	-	100	-	-
Nitrite as Nitrogen (300.0)	69	-	-	100	-	-
Nitrate as N (SW9056A)	-	9	1	-	90	10
Nitrite as N (SW9056A)	-	9	1	-	90	10
Sulfate (300.0)	296	-	-	100	-	-
Chlorate (E300.1)	301	185	21	100	90	10
Perchlorate (314.0)	301	185	21	100	90	10
Alkalinity (SM2320B)	296	-	-	100	-	-
TDS (2540C)	298	-	-	100	-	-
Total Solids (SM2540G)	-	185	21	-	90	10

Table IV. Reason Codes and Definitions

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

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Laboratory Sample ID	Analyte	Lab Results	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator	Qualification Finding	Acceptance Criteria	
L1414445	PC-205A-5.0-20211005	10/5/2021	SW8260B	L1414445-05	Xylenes (total)		U	0.000991	0.00731	mg/kg	UJ	nd,c	CCV %D	20.1	≤20	%
L1414445	PC-205A-0.0-20211005	10/5/2021	SW8260B	L1414445-04	Xylenes (total)		U	0.00100	0.00740	mg/kg	UJ	nd,c	CCV %D	20.1	≤20	%
L1414445	PC-205B-0.0-20211005	10/5/2021	SW8260B	L1414445-07	Xylenes (total)		U	0.00108	0.00797	mg/kg	UJ	nd,c	CCV %D	20.1	≤20	%
L1414445	PC-205-0.0-20211005	10/5/2021	SW8260B	L1414445-01	Xylenes (total)		U	0.00109	0.00804	mg/kg	UJ	nd,c	CCV %D	20.1	≤20	%
L1414445	PC-205B-5.0-20211005	10/5/2021	SW8260B	L1414445-08	Xylenes (total)		U	0.00110	0.00810	mg/kg	UJ	nd,c	CCV %D	20.1	≤20	%
L1414445	PC-205-9.5-20211005	10/5/2021	SW8260B	L1414445-03	Xylenes (total)		U	0.00116	0.00860	mg/kg	UJ	nd,c	CCV %D	20.1	≤20	%
L1414445	PC-205A-9.5-20211005	10/5/2021	SW8260B	L1414445-06	Xylenes (total)		U	0.00118	0.00873	mg/kg	UJ	nd,c	CCV %D	20.1	≤20	%
L1414445	PC-205B-9.5-20211005	10/5/2021	SW8260B	L1414445-09	Xylenes (total)		U	0.00118	0.00869	mg/kg	UJ	nd,c	CCV %D	20.1	≤20	%
L1414445	PC-205A-9.5-20211005-FD	10/5/2021	SW8260B	L1414445-10	Xylenes (total)		U	0.00124	0.00915	mg/kg	UJ	nd,c	CCV %D	20.1	≤20	%
L1414445	PC-205A-5.0-20211005	10/5/2021	SW8260B	L1414445-05	Bromoform		U	0.00131	0.0282	mg/kg	UJ	nd,c	CCV %D	22.80	≤20	%
L1414445	PC-205A-0.0-20211005	10/5/2021	SW8260B	L1414445-04	Bromoform		U	0.00134	0.0285	mg/kg	UJ	nd,c	CCV %D	22.80	≤20	%
L1414445	PC-205B-0.0-20211005	10/5/2021	SW8260B	L1414445-07	Bromoform		U	0.00143	0.0307	mg/kg	UJ	nd,c	CCV %D	22.80	≤20	%
L1414445	PC-205-0.0-20211005	10/5/2021	SW8260B	L1414445-01	Bromoform		U	0.00145	0.0309	mg/kg	UJ	nd,c	CCV %D	22.80	≤20	%
L1414445	PC-205B-5.0-20211005	10/5/2021	SW8260B	L1414445-08	Bromoform		U	0.00146	0.0313	mg/kg	UJ	nd,c	CCV %D	22.80	≤20	%
L1414445	PC-205A-0.0-20211005	10/5/2021	SW8260B	L1414445-04	Toluene	0.00332	J	0.00148	0.00568	mg/kg	J	sp	<PQL			
L1414445	PC-205-9.5-20211005	10/5/2021	SW8260B	L1414445-03	Bromoform		U	0.00155	0.0331	mg/kg	UJ	nd,c	CCV %D	22.80	≤20	%
L1414445	PC-205B-9.5-20211005	10/5/2021	SW8260B	L1414445-09	Bromoform		U	0.00156	0.0334	mg/kg	UJ	nd,c	CCV %D	22.80	≤20	%
L1414445	PC-205A-9.5-20211005	10/5/2021	SW8260B	L1414445-06	Bromoform		U	0.00157	0.0336	mg/kg	UJ	nd,c	CCV %D	22.80	≤20	%
L1414445	PC-205-5.0-20211005	10/5/2021	SW8260B	L1414445-02	Xylenes (total)		U	0.00158	0.0116	mg/kg	UJ	nd,c	CCV %D	20.1	≤20	%
L1414445	PC-205A-9.5-20211005-FD	10/5/2021	SW8260B	L1414445-10	Bromoform		U	0.00165	0.0352	mg/kg	UJ	nd,c	CCV %D	22.80	≤20	%
L1414445	PC-205A-5.0-20211005	10/5/2021	SW8260B	L1414445-05	1,2,3-Trimethylbenzene		U	0.00178	0.00563	mg/kg	UJ	nd,c	ICV %D	30.60	≤20	%
L1414445	PC-205A-0.0-20211005	10/5/2021	SW8260B	L1414445-04	1,2,3-Trimethylbenzene		U	0.00180	0.00568	mg/kg	UJ	nd,c	ICV %D	30.60	≤20	%
L1414445	PC-205B-0.0-20211005	10/5/2021	SW8260B	L1414445-07	1,2,3-Trimethylbenzene		U	0.00193	0.00612	mg/kg	UJ	nd,c	ICV %D	30.60	≤20	%
L1414445	PC-205-0.0-20211005	10/5/2021	SW8260B	L1414445-01	1,2,3-Trimethylbenzene		U	0.00196	0.00618	mg/kg	UJ	nd,c	ICV %D	30.60	≤20	%
L1414445	PC-205B-5.0-20211005	10/5/2021	SW8260B	L1414445-08	1,2,3-Trimethylbenzene		U	0.00198	0.00624	mg/kg	UJ	nd,c	ICV %D	30.60	≤20	%
L1414445	PC-205-9.5-20211005	10/5/2021	SW8260B	L1414445-03	1,2,3-Trimethylbenzene		U	0.00209	0.0449	mg/kg	UJ	nd,c	ICV %D	30.60	≤20	%
L1414445	PC-205-5.0-20211005	10/5/2021	SW8260B	L1414445-02	Bromoform		U	0.00209	0.00661	mg/kg	UJ	nd,c	CCV %D	22.80	≤20	%
L1414445	PC-205B-9.5-20211005	10/5/2021	SW8260B	L1414445-09	1,2,3-Trimethylbenzene		U	0.00211	0.00668	mg/kg	UJ	nd,c	ICV %D	30.60	≤20	%
L1414445	PC-205A-9.5-20211005	10/5/2021	SW8260B	L1414445-06	1,2,3-Trimethylbenzene		U	0.00212	0.00672	mg/kg	UJ	nd,c	ICV %D	30.60	≤20	%
L1414445	PC-205A-9.5-20211005-FD	10/5/2021	SW8260B	L1414445-10	1,2,3-Trimethylbenzene		U	0.00222	0.0140	mg/kg	UJ	nd,c	ICV %D	30.60	≤20	%
L1414445	PC-205A-5.0-20211005	10/5/2021	SW8260B	L1414445-05	Bromomethane		U	0.00222	0.00704	mg/kg	UJ	nd,c	CCV %D	26.90	≤20	%
L1414445	PC-205A-0.0-20211005	10/5/2021	SW8260B	L1414445-04	Bromomethane		U	0.00224	0.0142	mg/kg	UJ	nd,c	CCV %D	26.90	≤20	%
L1414445	PC-205B-0.0-20211005	10/5/2021	SW8260B	L1414445-07	Bromomethane		U	0.00242	0.0153	mg/kg	UJ	nd,c	CCV %D	26.90	≤20	%
L1414445	PC-205-0.0-20211005	10/5/2021	SW8260B	L1414445-01	Bromomethane		U	0.00244	0.0155	mg/kg	UJ	nd,c	CCV %D	26.90	≤20	%
L1414445	PC-205B-5.0-20211005	10/5/2021	SW8260B	L1414445-08	Bromomethane		U	0.00246	0.0156	mg/kg	UJ	nd,c	CCV %D	26.90	≤20	%
L1414445	PC-205-9.5-20211005	10/5/2021	SW8260B	L1414445-03	Bromomethane		U	0.00261	0.0165	mg/kg	UJ	nd,c	CCV %D	26.90	≤20	%
L1414445	PC-205B-9.5-20211005	10/5/2021	SW8260B	L1414445-09	Bromomethane		U	0.00263	0.0167	mg/kg	UJ	nd,c	CCV %D	26.90	≤20	%
L1414445	PC-205A-9.5-20211005	10/5/2021	SW8260B	L1414445-06	Bromomethane		U	0.00265	0.0168	mg/kg	UJ	nd,c	CCV %D	26.90	≤20	%
L1414445	PC-205A-9.5-20211005-FD	10/5/2021	SW8260B	L1414445-10	Bromomethane		U	0.00277	0.0176	mg/kg	UJ	nd,c	CCV %D	26.90	≤20	%
L1414445	PC-205-5.0-20211005	10/5/2021	SW8260B	L1414445-02	1,2,3-Trimethylbenzene		U	0.00283	0.00896	mg/kg	UJ	nd,c	ICV %D	30.60	≤20	%
L1424441	NERT5.80S-20.0-20211027	10/27/2021	E314.0	L1424441-02	Perchlorate	0.534		0.00303	0.0405	mg/kg	J	ld	DUP RPD	21	≤20	%
L1419218	NERT5.83N-20.0-20211013	10/13/2021	E314.0	L1419218-03	Perchlorate		U	0.00311	0.0415	mg/kg	UJ	nd,m	MS/MSD %R	73.6,74.6	80-120	%
L1424441	NERT5.80S-40.0-20211027	10/27/2021	E314.0	L1424441-04	Perchlorate	0.273		0.00314	0.0418	mg/kg	J	ld	DUP RPD	21	≤20	%

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Laboratory Sample ID	Analyte	Lab Results	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator	Qualification Finding	Acceptance Criteria	
L1414548	NERT5.63S-10.0-20211006	10/6/2021	E314.0	L1414548-10	Perchlorate	0.0245	J	0.00316	0.0421	mg/kg	J	sp	<PQL			
L1392242	ES-56-20.0-20210817	8/17/2021	E314.0	L1392242-02	Perchlorate		U	0.00319	0.0426	mg/kg	UJ	nd,m	MS/MSD %R	79.2,-	80-120	%
L1420457	NERT3.94N-20.0-20211018	10/18/2021	E314.0	L1420457-02	Perchlorate	0.415		0.00319	0.0426	mg/kg	J+	m	MS/MSD %R	125,-	80-120	%
L1417036	NERT5.20S-50.0-20211008	10/8/2021	E314.0	L1417036-19	Perchlorate	0.431		0.00322	0.0429	mg/kg	J+	m	MS/MSD %R	-,158	80-120	%
L1417645	NERT5.26N-40.0-20211012	10/12/2021	E314.0	L1417645-04	Perchlorate	0.0193	J	0.00323	0.0431	mg/kg	J	sp	<PQL			
L1419218	NERT5.83N-40.0-20211013	10/13/2021	E314.0	L1419218-05	Perchlorate	0.0182	J	0.00323	0.0431	mg/kg	J-	sp,m	<PQL, MS/MSD %R	73.6,74.6	80-120	%
L1419218	NERT5.83N-30.0-20211013	10/13/2021	E314.0	L1419218-04	Perchlorate		U	0.00323	0.0430	mg/kg	UJ	nd,m	MS/MSD %R	73.6,74.6	80-120	%
L1419218	NERT5.83N-50.0-20211013	10/13/2021	E314.0	L1419218-06	Perchlorate	0.0590		0.00323	0.0431	mg/kg	J-	m	MS/MSD %R	73.6,74.6	80-120	%
L1416044	PC-205-50.0-20211006	10/6/2021	E314.0	L1416044-04	Perchlorate	0.156		0.00324	0.0432	mg/kg	J+	m	MS/MSD %R	129,-	80-120	%
L1392933	ES-55-10.0-20210818	8/18/2021	E314.0	L1392933-01	Perchlorate	0.0598	J6 P1	0.00326	0.0435	mg/kg	J-	m	MS/MSD %R	79.2,-	80-120	%
L1392242	ES-56-10.0-20210817	8/17/2021	E314.0	L1392242-01	Perchlorate		U	0.00327	0.0436	mg/kg	UJ	nd,m	MS/MSD %R	79.2,-	80-120	%
L1418229	NERT6.21N-30.0-20211011	10/11/2021	E314.0	L1418229-03	Perchlorate	0.195		0.00327	0.0437	mg/kg	J+	m	MS/MSD %R	-,158	80-120	%
L1420457	NERT3.94N-70.0-20211018	10/18/2021	E314.0	L1420457-07	Perchlorate	0.228		0.00331	0.0441	mg/kg	J+	m	MS/MSD %R	125,-	80-120	%
L1420457	NERT3.94N-50.0-20211018	10/18/2021	E314.0	L1420457-05	Perchlorate	0.0609		0.00332	0.0442	mg/kg	J+	m	MS/MSD %R	125,-	80-120	%
L1419203	TB-H6-60.0-20211012	10/12/2021	E314.0	L1419203-06	Perchlorate	0.673		0.00335	0.0447	mg/kg	J+	c	CCV %D	140	85-115	%
L1424441	NERT5.80S-60.0-20211027	10/27/2021	E314.0	L1424441-06	Perchlorate	0.409		0.00335	0.0446	mg/kg	J	ld	DUP RPD	21	≤20	%
L1424441	NERT5.80S-50.0-20211027	10/27/2021	E314.0	L1424441-05	Perchlorate	0.785		0.00336	0.0447	mg/kg	J	ld	DUP RPD	21	≤20	%
L1418229	NERT6.21N-40.0-20211012	10/12/2021	E314.0	L1418229-04	Perchlorate	0.360		0.00338	0.0450	mg/kg	J+	m	MS/MSD %R	-,158	80-120	%
L1420457	NERT3.94N-40.0-20211018	10/18/2021	E314.0	L1420457-04	Perchlorate	0.0904		0.00338	0.0451	mg/kg	J+	m	MS/MSD %R	125,-	80-120	%
L1417036	NERT5.20S-30.0-20211008	10/8/2021	E314.0	L1417036-17	Perchlorate	0.356		0.00340	0.0454	mg/kg	J+	m	MS/MSD %R	-,158	80-120	%
L1417036	NERT5.20S-60.0-20211008-FD	10/8/2021	E314.0	L1417036-21	Perchlorate	0.441		0.00342	0.0456	mg/kg	J+	m	MS/MSD %R	-,158	80-120	%
L1414445	PC-205-9.5-20211005	10/5/2021	E314.0	L1414445-03	Perchlorate	0.0243	J	0.00343	0.0457	mg/kg	J+	sp,m	<PQL, MS/MSD %R	129,-	80-120	%
L1417036	NERT5.20S-40.0-20211008	10/8/2021	E314.0	L1417036-18	Perchlorate	0.431		0.00344	0.0458	mg/kg	J+	m	MS/MSD %R	-,158	80-120	%
L1420457	NERT3.94N-30.0-20211018	10/18/2021	E314.0	L1420457-03	Perchlorate	0.939		0.00344	0.0458	mg/kg	J+	m	MS/MSD %R	125,-	80-120	%
L1392933	ES-55-20.0-20210818	8/18/2021	E314.0	L1392933-02	Perchlorate	0.0411	J P1	0.00347	0.0463	mg/kg	J-	sp,m	<PQL, MS/MSD %R	79.2,-	80-120	%
L1414445	PC-205A-9.5-20211005	10/5/2021	E314.0	L1414445-06	Perchlorate	0.0430	J	0.00348	0.0463	mg/kg	J+	sp,m	<PQL, MS/MSD %R	129,-	80-120	%
L1414445	PC-205-5.0-20211005	10/5/2021	SW8260B	L1414445-02	Bromomethane		U	0.00353	0.0224	mg/kg	UJ	nd,c	CCV %D	26.90	≤20	%
L1417036	NERT5.20S-60.0-20211008	10/8/2021	E314.0	L1417036-20	Perchlorate	0.570		0.00353	0.0471	mg/kg	J+	m	MS/MSD %R	-,158	80-120	%
L1424441	NERT5.80S-30.0-20211027	10/27/2021	E314.0	L1424441-03	Perchlorate	0.781		0.00353	0.0471	mg/kg	J	ld	DUP RPD	21	≤20	%
L1418229	NERT6.21N-50.0-20211012	10/12/2021	E314.0	L1418229-05	Perchlorate	0.0442	J	0.00354	0.0472	mg/kg	J+	sp,m	<PQL, MS/MSD %R	-,158	80-120	%
L1414445	PC-205A-9.5-20211005-FD	10/5/2021	E314.0	L1414445-10	Perchlorate	0.0350	J J5	0.00356	0.0474	mg/kg	J+	sp,m	<PQL, MS/MSD %R	129,-	80-120	%
L1420457	NERT3.94N-60.0-20211018	10/18/2021	E314.0	L1420457-06	Perchlorate	0.182		0.00358	0.0477	mg/kg	J+	m	MS/MSD %R	125,-	80-120	%
L1416044	PC-205-40.0-20211006	10/6/2021	E314.0	L1416044-03	Perchlorate	0.522		0.00363	0.0484	mg/kg	J+	m	MS/MSD %R	129,-	80-120	%
L1416044	PC-205-30.0-20211006	10/6/2021	E314.0	L1416044-02	Perchlorate	0.860		0.00403	0.0538	mg/kg	J+	m	MS/MSD %R	129,-	80-120	%
L1416044	PC-205-20.0-20211006	10/6/2021	E314.0	L1416044-01	Perchlorate	0.879		0.00404	0.0539	mg/kg	J+	m	MS/MSD %R	129,-	80-120	%
L1419209	TB-I1-30.0-20211013	10/13/2021	E314.0	L1419209-03	Perchlorate	1.25		0.00414	0.0553	mg/kg	J+	c	CCV %D	140	85-115	%
L1416044	PC-205-60.0-20211006	10/6/2021	E314.0	L1416044-05	Perchlorate	0.750		0.00423	0.0564	mg/kg	J+	c,m	CCV %D, MS/MSD %R	127; 129,-	85-115; 80-120	%
L1392933	ES-55-70.0-20210818	8/18/2021	E314.0	L1392933-07	Perchlorate	1.10		0.00431	0.0575	mg/kg	J-	m	MS/MSD %R	79.2,-	80-120	%
L1424441	NERT5.80S-70.0-20211027	10/27/2021	E314.0	L1424441-07	Perchlorate		U	0.00435	0.0580	mg/kg	UJ	nd,ld	DUP RPD	21	≤20	%
L1414445	PC-205A-5.0-20211005	10/5/2021	SW8260B	L1414445-05	1,2-Dibromo-3-chloropropane		U	0.00439	0.0282	mg/kg	UJ	nd,c	CCV %D	27.50	≤20	%
L1392242	ES-56-30.0-20210817	8/17/2021	E314.0	L1392242-03	Perchlorate	0.220		0.00440	0.0586	mg/kg	J-	m	MS/MSD %R	79.2,-	80-120	%
L1414548	NERT5.63S-60.0-20211006	10/6/2021	E314.0	L1414548-15	Perchlorate	0.199	P1	0.00441	0.0589	mg/kg	J	ld	DUP Difference	0.19556	≤0.1178	mg/kg

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Laboratory Sample ID	Analyte	Lab Results	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator	Qualification Finding	Acceptance Criteria	
L1414445	PC-205A-0.0-20211005	10/5/2021	SW8260B	L1414445-04	1,2-Dibromo-3-chloropropane		U	0.00444	0.0285	mg/kg	UJ	nd,c	CCV %D	27.50	≤20	%
L1392242	ES-56-70.0-20210817	8/17/2021	E314.0	L1392242-07	Perchlorate		U	0.00445	0.0594	mg/kg	UJ	nd,m	MS/MSD %R	79.2,-	80-120	%
L1418229	NERT6.21N-60.0-20211012	10/12/2021	E314.0	L1418229-06	Perchlorate	0.136		0.00452	0.0602	mg/kg	J+	m	MS/MSD %R	-,158	80-120	%
L1414445	PC-205B-0.0-20211005	10/5/2021	SW8260B	L1414445-07	1,2-Dibromo-3-chloropropane		U	0.00477	0.0307	mg/kg	UJ	nd,c	CCV %D	27.50	≤20	%
L1414445	PC-205-0.0-20211005	10/5/2021	SW8260B	L1414445-01	1,2-Dibromo-3-chloropropane		U	0.00482	0.0309	mg/kg	UJ	nd,c	CCV %D	27.50	≤20	%
L1392242	ES-56-60.0-20210817	8/17/2021	E314.0	L1392242-06	Perchlorate		U	0.00483	0.0644	mg/kg	UJ	nd,m	MS/MSD %R	79.2,-	80-120	%
L1414445	PC-205B-5.0-20211005	10/5/2021	SW8260B	L1414445-08	1,2-Dibromo-3-chloropropane		U	0.00487	0.0649	mg/kg	UJ	nd,c	CCV %D	27.50	≤20	%
L1392933	ES-55-30.0-20210818	8/18/2021	E314.0	L1392933-03	Perchlorate	1.59		0.00487	0.0313	mg/kg	J-	m	MS/MSD %R	79.2,-	80-120	%
L1414445	PC-205A-5.0-20211005	10/5/2021	SW8260B	L1414445-05	1,2,4-Trichlorobenzene		U J4	0.00495	0.0140	mg/kg	UJ	nd,c,l	CCV %D, LCS/LCSD %R	40.10; 59.8,51.6	≤20, 62-137	%
L1414445	PC-205A-0.0-20211005	10/5/2021	SW8260B	L1414445-04	1,2,4-Trichlorobenzene		U J4	0.00500	0.0142	mg/kg	UJ	nd,c,l	CCV %D, LCS/LCSD %R	40.10; 59.8,51.6	≤20, 62-137	%
L1414445	PC-205-9.5-20211005	10/5/2021	SW8260B	L1414445-03	1,2-Dibromo-3-chloropropane		U	0.00516	0.0331	mg/kg	UJ	nd,c	CCV %D	27.50	≤20	%
L1414445	PC-205B-9.5-20211005	10/5/2021	SW8260B	L1414445-09	1,2-Dibromo-3-chloropropane		U	0.00521	0.0334	mg/kg	UJ	nd,c	CCV %D	27.50	≤20	%
L1414445	PC-205A-9.5-20211005	10/5/2021	SW8260B	L1414445-06	1,2-Dibromo-3-chloropropane		U	0.00524	0.0336	mg/kg	UJ	nd,c	CCV %D	27.50	≤20	%
L1414445	PC-205B-0.0-20211005	10/5/2021	SW8260B	L1414445-07	1,2,4-Trichlorobenzene		U J4	0.00539	0.0153	mg/kg	UJ	nd,c,l	CCV %D, LCS/LCSD %R	40.10; 59.8,51.6	≤20, 62-137	%
L1414445	PC-205-0.0-20211005	10/5/2021	SW8260B	L1414445-01	1,2,4-Trichlorobenzene		U J4	0.00544	0.0155	mg/kg	UJ	nd,c,l	CCV %D, LCS/LCSD %R	40.10; 59.8,51.6	≤20, 62-137	%
L1414445	PC-205A-9.5-20211005-FD	10/5/2021	SW8260B	L1414445-10	1,2-Dibromo-3-chloropropane		U	0.00549	0.0140	mg/kg	UJ	nd,c	CCV %D	27.50	≤20	%
L1414445	PC-205B-5.0-20211005	10/5/2021	SW8260B	L1414445-08	1,2,4-Trichlorobenzene		U J4	0.00549	0.0352	mg/kg	UJ	nd,c,l	CCV %D, LCS/LCSD %R	40.10; 59.8,51.6	≤20, 62-137	%
L1414445	PC-205A-5.0-20211005	10/5/2021	SW8260B	L1414445-05	Naphthalene		U J4	0.00549	0.0156	mg/kg	UJ	nd,c,l	CCV %D, LCS/LCSD %R	42.40; 57.6,58.5	≤20, 59-130	%
L1414445	PC-205A-0.0-20211005	10/5/2021	SW8260B	L1414445-04	Naphthalene		U J4	0.00555	0.0142	mg/kg	UJ	nd,c,l	CCV %D, LCS/LCSD %R	42.40; 57.6,58.5	≤20, 59-130	%
L1414445	PC-205-9.5-20211005	10/5/2021	SW8260B	L1414445-03	1,2,4-Trichlorobenzene		U J4	0.00582	0.0165	mg/kg	UJ	nd,c,l	CCV %D, LCS/LCSD %R	40.10; 59.8,51.6	≤20, 62-137	%
L1414445	PC-205B-9.5-20211005	10/5/2021	SW8260B	L1414445-09	1,2,4-Trichlorobenzene		U J4	0.00588	0.0167	mg/kg	UJ	nd,c,l	CCV %D, LCS/LCSD %R	40.10; 59.8,51.6	≤20, 62-137	%
L1414445	PC-205A-9.5-20211005	10/5/2021	SW8260B	L1414445-06	1,2,4-Trichlorobenzene		U J4	0.00591	0.0168	mg/kg	UJ	nd,c,l	CCV %D, LCS/LCSD %R	40.10; 59.8,51.6	≤20, 62-137	%
L1414445	PC-205B-0.0-20211005	10/5/2021	SW8260B	L1414445-07	Naphthalene		U J4	0.00598	0.0153	mg/kg	UJ	nd,c,l	CCV %D, LCS/LCSD %R	42.40; 57.6,58.5	≤20, 59-130	%
L1414445	PC-205B-5.0-20211005	10/5/2021	SW8260B	L1414445-08	Naphthalene		U J4	0.00609	0.0156	mg/kg	UJ	nd,c,l	CCV %D, LCS/LCSD %R	42.40; 57.6,58.5	≤20, 59-130	%
L1414445	PC-205A-9.5-20211005-FD	10/5/2021	SW8260B	L1414445-10	1,2,4-Trichlorobenzene		U J4	0.00619	0.0176	mg/kg	UJ	nd,c,l	CCV %D, LCS/LCSD %R	40.10; 59.8,51.6	≤20, 62-137	%
L1414445	PC-205-9.5-20211005	10/5/2021	SW8260B	L1414445-03	Naphthalene		U J4	0.00646	0.0165	mg/kg	UJ	nd,c,l	CCV %D, LCS/LCSD %R	42.40; 57.6,58.5	≤20, 59-130	%
L1414445	PC-205B-9.5-20211005	10/5/2021	SW8260B	L1414445-09	Naphthalene		U J4	0.00652	0.0167	mg/kg	UJ	nd,c,l	CCV %D, LCS/LCSD %R	42.40; 57.6,58.5	≤20, 59-130	%
L1414445	PC-205A-9.5-20211005	10/5/2021	SW8260B	L1414445-06	Naphthalene		U J4	0.00655	0.0168	mg/kg	UJ	nd,c,l	CCV %D, LCS/LCSD %R	42.40; 57.6,58.5	≤20, 59-130	%
L1414445	PC-205A-5.0-20211005	10/5/2021	SW8260B	L1414445-05	Hexachlorobutadiene		U J4	0.00675	0.0282	mg/kg	UJ	nd,c,l	CCV %D, LCS/LCSD %R	45.40; 54.6,-	≤20, 57-150	%
L1414445	PC-205A-0.0-20211005	10/5/2021	SW8260B	L1414445-04	Hexachlorobutadiene		U J4	0.00682	0.0285	mg/kg	UJ	nd,c,l	CCV %D, LCS/LCSD %R	45.40; 54.6,-	≤20, 57-150	%
L1414445	PC-205A-9.5-20211005-FD	10/5/2021	SW8260B	L1414445-10	Naphthalene		U J4	0.00687	0.0176	mg/kg	UJ	nd,c,l	CCV %D, LCS/LCSD %R	42.40; 57.6,58.5	≤20, 59-130	%
L1414445	PC-205-5.0-20211005	10/5/2021	SW8260B	L1414445-02	1,2-Dibromo-3-chloropropane		U	0.00699	0.0449	mg/kg	UJ	nd,c	CCV %D	27.50	≤20	%
L1414445	PC-205B-0.0-20211005	10/5/2021	SW8260B	L1414445-07	Hexachlorobutadiene		U J4	0.00735	0.0307	mg/kg	UJ	nd,c,l	CCV %D, LCS/LCSD %R	45.40; 54.6,-	≤20, 57-150	%
L1414445	PC-205-0.0-20211005	10/5/2021	SW8260B	L1414445-01	Hexachlorobutadiene		U J4	0.00742	0.0309	mg/kg	UJ	nd,c,l	CCV %D, LCS/LCSD %R	45.40; 54.6,-	≤20, 57-150	%
L1414445	PC-205B-5.0-20211005	10/5/2021	SW8260B	L1414445-08	Hexachlorobutadiene		U J4	0.00749	0.0313	mg/kg	UJ	nd,c,l	CCV %D, LCS/LCSD %R	45.40; 54.6,-	≤20, 57-150	%
L1414445	PC-205-5.0-20211005	10/5/2021	SW8260B	L1414445-02	1,2,4-Trichlorobenzene		U J4	0.00789	0.0224	mg/kg	UJ	nd,c,l	CCV %D, LCS/LCSD %R	40.10; 59.8,51.6	≤20, 62-137	%
L1414445	PC-205-9.5-20211005	10/5/2021	SW8260B	L1414445-03	Hexachlorobutadiene		U J4	0.00794	0.0331	mg/kg	UJ	nd,c,l	CCV %D, LCS/LCSD %R	45.40; 54.6,-	≤20, 57-150	%
L1414445	PC-205B-9.5-20211005	10/5/2021	SW8260B	L1414445-09	Hexachlorobutadiene		U J4	0.00802	0.0334	mg/kg	UJ	nd,c,l	CCV %D, LCS/LCSD %R	45.40; 54.6,-	≤20, 57-150	%
L1414445	PC-205A-9.5-20211005	10/5/2021	SW8260B	L1414445-06	Hexachlorobutadiene		U J4	0.00806	0.0336	mg/kg	UJ	nd,c,l	CCV %D, LCS/LCSD %R	45.40; 54.6,-	≤20, 57-150	%

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Laboratory Sample ID	Analyte	Lab Results	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator	Qualification Finding	Acceptance Criteria	
L1414445	PC-205A-5.0-20211005	10/5/2021	SW8260B	L1414445-05	1,2,3-Trichlorobenzene		U	0.00824	0.0140	mg/kg	UJ	nd,c	CCV %D	35.80	≤20	%
L1414445	PC-205A-0.0-20211005	10/5/2021	SW8260B	L1414445-04	1,2,3-Trichlorobenzene		U	0.00833	0.0142	mg/kg	UJ	nd,c	CCV %D	35.80	≤20	%
L1414445	PC-205A-9.5-20211005-FD	10/5/2021	SW8260B	L1414445-10	Hexachlorobutadiene		U J4	0.00845	0.0352	mg/kg	UJ	nd,c,l	CCV %D, LCS/LCSD %R	45.40; 54.6,-	≤20, 57-150	%
L1414445	PC-205-5.0-20211005	10/5/2021	SW8260B	L1414445-02	Naphthalene		U J4	0.00875	0.0224	mg/kg	UJ	nd,c,l	CCV %D, LCS/LCSD %R	42.40; 57.6,58.5	≤20, 59-130	%
L1414445	PC-205B-0.0-20211005	10/5/2021	SW8260B	L1414445-07	1,2,3-Trichlorobenzene		U	0.00897	0.0153	mg/kg	UJ	nd,c	CCV %D	35.80	≤20	%
L1414445	PC-205-0.0-20211005	10/5/2021	SW8260B	L1414445-01	1,2,3-Trichlorobenzene		U	0.00906	0.0155	mg/kg	UJ	nd,c	CCV %D	35.80	≤20	%
L1414445	PC-205B-5.0-20211005	10/5/2021	SW8260B	L1414445-08	1,2,3-Trichlorobenzene		U	0.00914	0.0156	mg/kg	UJ	nd,c	CCV %D	35.80	≤20	%
L1419218	NERT5.83N-10.0-20211013-FD	10/13/2021	E314.0	L1419218-02	Perchlorate	2.07		0.00945	0.126	mg/kg	J-	m	MS/MSD %R	73.6,74.6	80-120	%
L1414445	PC-205-9.5-20211005	10/5/2021	SW8260B	L1414445-03	1,2,3-Trichlorobenzene		U	0.00970	0.0165	mg/kg	UJ	nd,c	CCV %D	35.80	≤20	%
L1414445	PC-205B-9.5-20211005	10/5/2021	SW8260B	L1414445-09	1,2,3-Trichlorobenzene		U	0.00980	0.0167	mg/kg	UJ	nd,c	CCV %D	35.80	≤20	%
L1414445	PC-205A-9.5-20211005	10/5/2021	SW8260B	L1414445-06	1,2,3-Trichlorobenzene		U	0.00984	0.0168	mg/kg	UJ	nd,c	CCV %D	35.80	≤20	%
L1419218	NERT5.83N-10.0-20211013	10/13/2021	E314.0	L1419218-01	Perchlorate	2.70		0.00984	0.131	mg/kg	J-	m	MS/MSD %R	73.6,74.6	80-120	%
L1414445	PC-205A-9.5-20211005-FD	10/5/2021	SW8260B	L1414445-10	1,2,3-Trichlorobenzene		U	0.0103	0.0176	mg/kg	UJ	nd,c	CCV %D	35.80	≤20	%
L1414445	PC-205-5.0-20211005	10/5/2021	SW8260B	L1414445-02	Hexachlorobutadiene		U J4	0.0108	0.0449	mg/kg	UJ	nd,c,l	CCV %D, LCS/LCSD %R	45.40; 54.6,-	≤20, 57-150	%
L1419209	TB-I1-40.0-20211013	10/13/2021	E314.0	L1419209-04	Perchlorate	0.234		0.0124	0.166	mg/kg	J+	c	CCV %D	140	85-115	%
L1419218	NERT5.83N-70.0-20211013	10/13/2021	E314.0	L1419218-08	Perchlorate		U	0.0127	0.170	mg/kg	UJ	nd,m	MS/MSD %R	73.6,74.6	80-120	%
L1414445	PC-205-5.0-20211005	10/5/2021	SW8260B	L1414445-02	1,2,3-Trichlorobenzene		U	0.0131	0.0224	mg/kg	UJ	nd,c	CCV %D	35.80	≤20	%
L1424441	NERT5.80S-80.0-20211027	10/27/2021	E314.0	L1424441-08	Perchlorate		U	0.0131	0.174	mg/kg	UJ	nd,ld	DUP RPD	21	≤20	%
L1419203	TB-H6-70.0-20211012	10/12/2021	E314.0	L1419203-07	Perchlorate	1.62		0.0137	0.183	mg/kg	J+	c	CCV %D	140	85-115	%
L1414445	PC-205A-0.0-20211005	10/5/2021	E314.0	L1414445-04	Perchlorate	3.68		0.0158	0.211	mg/kg	J+	m	MS/MSD %R	129,-	80-120	%
L1417036	NERT5.20S-10.0-20211008	10/8/2021	E314.0	L1417036-15	Perchlorate	2.76		0.0159	0.212	mg/kg	J+	m	MS/MSD %R	-,158	80-120	%
L1414445	PC-205-0.0-20211005	10/5/2021	E314.0	L1414445-01	Perchlorate	2.17		0.0160	0.213	mg/kg	J+	m	MS/MSD %R	129,-	80-120	%
L1414445	PC-205B-0.0-20211005	10/5/2021	E314.0	L1414445-07	Perchlorate	2.17		0.0161	0.215	mg/kg	J+	m	MS/MSD %R	129,-	80-120	%
L1393506	PC-94D-10.0-20210819	8/19/2021	E314.0	L1393506-01	Perchlorate	0.170	J	0.0172	0.230	mg/kg	J	sp	<PQL			
L1418229	NERT6.21N-10.0-20211011	10/11/2021	E314.0	L1418229-01	Perchlorate	0.219	J J5	0.0180	0.240	mg/kg	J+	sp,m	<PQL, MS/MSD %R	-,158	80-120	%
L1419218	NERT5.83N-60.0-20211013	10/13/2021	E314.0	L1419218-07	Perchlorate	3.36		0.0183	0.245	mg/kg	J-	m	MS/MSD %R	73.6,74.6	80-120	%
L1392933	ES-55-50.0-20210818	8/18/2021	E314.0	L1392933-05	Perchlorate	1.15		0.0185	0.246	mg/kg	J-	m	MS/MSD %R	79.2,-	80-120	%
L1392933	ES-55-80.0-20210818	8/18/2021	E314.0	L1392933-08	Perchlorate		U	0.0192	0.256	mg/kg	UJ	nd,m	MS/MSD %R	79.2,-	80-120	%
L1424441	NERT5.80S-90.0-20211027	10/27/2021	E314.0	L1424441-09	Perchlorate		U	0.0192	0.256	mg/kg	UJ	nd,ld	DUP RPD	21	≤20	%
L1417645	NERT5.26N-80.0-20211012	10/12/2021	E314.0	L1417645-08	Perchlorate	0.0731	J	0.0193	0.258	mg/kg	J	sp	<PQL			
L1392933	ES-55-60.0-20210818	8/18/2021	E314.0	L1392933-06	Perchlorate	2.14		0.0202	0.270	mg/kg	J-	m	MS/MSD %R	79.2,-	80-120	%
L1392242	ES-56-80.0-20210817	8/17/2021	E314.0	L1392242-08	Perchlorate		U	0.0203	0.271	mg/kg	UJ	nd,m	MS/MSD %R	79.2,-	80-120	%
L1417036	NERT5.20S-20.0-20211008	10/8/2021	E314.0	L1417036-16	Perchlorate	1.32		0.0203	0.271	mg/kg	J+	m	MS/MSD %R	-,158	80-120	%
L1392242	ES-56-90.0-20210817	8/17/2021	E314.0	L1392242-09	Perchlorate		U	0.0210	0.280	mg/kg	UJ	nd,m	MS/MSD %R	79.2,-	80-120	%
L1392242	ES-56-40.0-20210817	8/17/2021	E314.0	L1392242-04	Perchlorate	1.50		0.0213	0.284	mg/kg	J-	m	MS/MSD %R	79.2,-	80-120	%
L1419218	NERT5.83N-80.0-20211013	10/13/2021	E314.0	L1419218-09	Perchlorate		U	0.0217	0.290	mg/kg	UJ	nd,m	MS/MSD %R	73.6,74.6	80-120	%
L1417036	NERT5.20S-70.0-20211011	10/11/2021	E314.0	L1417036-22	Perchlorate	2.48		0.0218	0.291	mg/kg	J+	m	MS/MSD %R	-,158	80-120	%
L1392933	ES-55-90.0-20210818	8/18/2021	E314.0	L1392933-09	Perchlorate		U	0.0237	0.316	mg/kg	UJ	nd,m	MS/MSD %R	79.2,-	80-120	%
L1392933	ES-55-40.0-20210818	8/18/2021	E314.0	L1392933-04	Perchlorate	1.77		0.0256	0.341	mg/kg	J-	m	MS/MSD %R	79.2,-	80-120	%
L1392242	ES-56-50.0-20210817	8/17/2021	E314.0	L1392242-05	Perchlorate	2.76		0.0279	0.372	mg/kg	J-	m	MS/MSD %R	79.2,-	80-120	%
L1424441	NERT5.80S-10.0-20211027	10/27/2021	E314.0	L1424441-01	Perchlorate	3.89		0.0311	0.415	mg/kg	J	ld	DUP RPD	21	≤20	%
L1419218	NERT5.83N-90.0-20211013	10/13/2021	E314.0	L1419218-10	Perchlorate		U	0.0412	0.549	mg/kg	UJ	nd,m	MS/MSD %R	73.6,74.6	80-120	%
L1414445	PC-205-0.0-20211005	10/5/2021	SW8260B	L1414445-01	2-Butanone	0.112	J	0.0786	0.124	mg/kg	J	sp	<PQL			

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Laboratory Sample ID	Analyte	Lab Results	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator	Qualification Finding	Acceptance Criteria	
L1414932	PC-82-20211007	10/7/2021	SW8260B	L1414932-90	1,2-Dichloroethane	0.169	J	0.0819	1.00	ug/l	J	sp	<PQL			
L1416883	PC-203-20211012	10/12/2021	SW8260B	L1416883-90	1,2-Dichloroethane	0.167	J	0.0819	1.00	ug/l	J	sp	<PQL			
L1414445	PC-205-9.5-20211005	10/5/2021	SW8260B	L1414445-03	2-Butanone	0.107	J	0.0840	0.132	mg/kg	J	sp	<PQL			
L1414445	PC-205B-9.5-20211005	10/5/2021	SW8260B	L1414445-09	2-Butanone	0.130	J	0.0849	0.134	mg/kg	J	sp	<PQL			
L1414445	PC-205A-9.5-20211005	10/5/2021	SW8260B	L1414445-06	2-Butanone	0.128	J	0.0853	0.134	mg/kg	J	sp	<PQL			
L1414445	PC-205A-9.5-20211005-FD	10/5/2021	SW8260B	L1414445-10	2-Butanone	0.139	J	0.0894	0.141	mg/kg	J	sp	<PQL			
L1413601	PC-2-20211005	10/5/2021	SW8260B	L1413601-03	Benzene	0.152	J	0.0941	1.00	ug/l	J	sp	<PQL			
L1414932	PC-82-20211007	10/7/2021	SW8260B	L1414932-90	Benzene	0.129	J	0.0941	1.00	ug/l	J	sp	<PQL			
L1420407	MCF-18A-20211020	10/20/2021	SW8260B	L1420407-01	Benzene	0.720	J	0.0941	1.00	ug/l	J	sp	<PQL			
L1420407	MCF-28A-20211020	10/20/2021	SW8260B	L1420407-02	Benzene	0.342	J	0.0941	1.00	ug/l	J	sp	<PQL			
L1449351	PC-157C-20220110	1/10/2022	SW8260B	L1449351-05	Benzene	0.107	J	0.0941	1.00	ug/l	J	sp	<PQL			
L1420407	MCF-18A-20211020	10/20/2021	SW8260B	L1420407-01	n-Propylbenzene		U J4	0.0993	1.00	ug/l	UJ	l,nd	LCS %R	76.6	77-124	%
L1420407	MCF-18A-20211020-TB	10/20/2021	SW8260B	L1420407-04	n-Propylbenzene		U J4	0.0993	1.00	ug/l	UJ	l,nd	LCS %R	76.6	77-124	%
L1420407	MCF-28A-20211020	10/20/2021	SW8260B	L1420407-02	n-Propylbenzene		U J4	0.0993	1.00	ug/l	UJ	l,nd	LCS %R	76.6	77-124	%
L1420407	MCF-28B-20211020	10/20/2021	SW8260B	L1420407-03	n-Propylbenzene		U J4	0.0993	1.00	ug/l	UJ	l,nd	LCS %R	76.6	77-124	%
L1413601	PC-4-20211005	10/5/2021	SW8260B	L1413601-05	1,1-Dichloroethane	0.137	J	0.100	1.00	ug/l	J	sp	<PQL			
L1413601	PC-53-20211005	10/5/2021	SW8260B	L1413601-02	1,1-Dichloroethane	0.410	J	0.100	1.00	ug/l	J	sp	<PQL			
L1414236	PC-56-20211006	10/6/2021	SW8260B	L1414236-88	1,1-Dichloroethane	0.583	J	0.100	1.00	ug/l	J	sp	<PQL			
L1414236	PC-56-20211006-FD	10/6/2021	SW8260B	L1414236-89	1,1-Dichloroethane	0.617	J	0.100	1.00	ug/l	J	sp	<PQL			
L1414236	PC-59-20211006	10/6/2021	SW8260B	L1414236-92	1,1-Dichloroethane	0.121	J	0.100	1.00	ug/l	J	sp	<PQL			
L1414236	PC-62-20211006	10/6/2021	SW8260B	L1414236-94	1,1-Dichloroethane	0.160	J	0.100	1.00	ug/l	J	sp	<PQL			
L1414932	PC-85-20211007	10/7/2021	SW8260B	L1414932-94	1,1-Dichloroethane	0.143	J	0.100	1.00	ug/l	J	sp	<PQL			
L1416362	PC-88-20211011	10/11/2021	SW8260B	L1416362-95	1,1-Dichloroethane	0.549	J	0.100	1.00	ug/l	J	sp	<PQL			
L1416362	PC-90-20211011	10/11/2021	SW8260B	L1416362-93	1,1-Dichloroethane	0.304	J	0.100	1.00	ug/l	J	sp	<PQL			
L1416362	PC-92-20211011	10/11/2021	SW8260B	L1416362-91	1,1-Dichloroethane	0.370	J	0.100	1.00	ug/l	J	sp	<PQL			
L1416362	PC-94-20211011	10/11/2021	SW8260B	L1416362-92	1,1-Dichloroethane	0.253	J	0.100	1.00	ug/l	J	sp	<PQL			
L1416883	ES-55B-20211012	10/12/2021	SW8260B	L1416883-98	1,1-Dichloroethane	0.116	J	0.100	1.00	ug/l	J	sp	<PQL			
L1416883	ES-55C-20211012	10/12/2021	SW8260B	L1416883-96	1,1-Dichloroethane	0.102	J	0.100	1.00	ug/l	J	sp	<PQL			
L1416883	PC-203-20211012	10/12/2021	SW8260B	L1416883-90	1,1-Dichloroethane	0.437	J	0.100	1.00	ug/l	J	sp	<PQL			
L1417492	COH-2B1-20211013	10/13/2021	SW8260B	L1417492-91	1,1-Dichloroethane	0.178	J	0.100	1.00	ug/l	J	sp	<PQL			
L1417492	PC-98R-20211013	10/13/2021	SW8260B	L1417492-87	1,1-Dichloroethane	0.973	J	0.100	1.00	ug/l	J	sp	<PQL			
L1449351	PC-205A-20220110	1/10/2022	SW8260B	L1449351-01	1,1-Dichloroethane	0.178	J	0.100	1.00	ug/l	J	sp	<PQL			
L1449351	PC-94D-20220110	1/10/2022	SW8260B	L1449351-06	1,1-Dichloroethane	0.303	J	0.100	1.00	ug/l	J	sp	<PQL			
L1413601	PC-202-20211005	10/5/2021	SW8260B	L1413601-04	Methyl tert-butyl ether	0.316	J	0.101	1.00	ug/l	J	sp	<PQL			
L1413601	PC-4-20211005	10/5/2021	SW8260B	L1413601-05	Methyl tert-butyl ether	0.286	J	0.101	1.00	ug/l	J	sp	<PQL			
L1414236	DBMW-19-20211006	10/6/2021	SW8260B	L1414236-95	Methyl tert-butyl ether	0.302	J	0.101	1.00	ug/l	J	sp	<PQL			
L1416883	ES-55B-20211012	10/12/2021	SW8260B	L1416883-98	Methyl tert-butyl ether	0.285	J	0.101	1.00	ug/l	J	sp	<PQL			
L1416883	ES-55C-20211012	10/12/2021	SW8260B	L1416883-96	Methyl tert-butyl ether	0.192	J	0.101	1.00	ug/l	J	sp	<PQL			
L1449351	PC-94D-20220110	1/10/2022	SW8260B	L1449351-06	Methyl tert-butyl ether	0.147	J	0.101	1.00	ug/l	J	sp	<PQL			
L1449351	PC-157C-20220110	1/10/2022	SW8260B	L1449351-05	1,2-Dichlorobenzene	0.175	J	0.107	1.00	ug/l	J	sp	<PQL			
L1449351	PC-94D-20220110	1/10/2022	SW8260B	L1449351-06	1,2-Dichlorobenzene	0.763	J	0.107	1.00	ug/l	J	sp	<PQL			
L1414236	PC-58-20211006	10/6/2021	SW8260B	L1414236-87	Chloroform	0.555	J	0.111	5.00	ug/l	J	sp,be,bb	<PQL, EB Contamination < PQL	0.55500	0.555	ug/l
L1413601	PC-178-20211005	10/5/2021	SW8260B	L1413601-01	Chloroform	1.34	J	0.111	5.00	ug/l	J	sp	<PQL			

Table V. Overall Qualified Results

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L1414236	PC-201-20211006	10/6/2021	SW8260B	L1414236-01	Chloroform	0.311	J	0.111	5.00	ug/l	J	sp	<PQL			
L1414236	PC-56-20211006	10/6/2021	SW8260B	L1414236-88	Chloroform	3.00	J	0.111	5.00	ug/l	J	sp	<PQL			
L1414236	PC-56-20211006-FD	10/6/2021	SW8260B	L1414236-89	Chloroform	3.12	J	0.111	5.00	ug/l	J	sp	<PQL			
L1414236	PC-58-20211006-EB	10/6/2021	SW8260B	L1414236-90	Chloroform	1.81	J	0.111	5.00	ug/l	J	sp	<PQL			
L1414932	PC-82-20211007	10/7/2021	SW8260B	L1414932-90	Chloroform	0.149	J	0.111	5.00	ug/l	J	sp	<PQL			
L1416362	PC-88-20211011	10/11/2021	SW8260B	L1416362-95	Chloroform	0.300	J	0.111	5.00	ug/l	J	sp	<PQL			
L1416362	PC-90-20211011-EB	10/11/2021	SW8260B	L1416362-94	Chloroform	1.82	J	0.111	5.00	ug/l	J	sp	<PQL			
L1416362	PC-92-20211011	10/11/2021	SW8260B	L1416362-91	Chloroform	0.495	J	0.111	5.00	ug/l	J	sp	<PQL			
L1416362	PC-94-20211011	10/11/2021	SW8260B	L1416362-92	Chloroform	0.853	J	0.111	5.00	ug/l	J	sp	<PQL			
L1416883	PC-203-20211012	10/12/2021	SW8260B	L1416883-90	Chloroform	2.09	J	0.111	5.00	ug/l	J	sp	<PQL			
L1416883	PC-204-20211012	10/12/2021	SW8260B	L1416883-91	Chloroform	0.601	J	0.111	5.00	ug/l	J	sp	<PQL			
L1416883	PC-74-20211012	10/12/2021	SW8260B	L1416883-94	Chloroform	1.54	J	0.111	5.00	ug/l	J	sp	<PQL			
L1416883	PMW-8-20211012	10/12/2021	SW8260B	L1416883-89	Chloroform	4.08	J	0.111	5.00	ug/l	J	sp	<PQL			
L1416883	RIT-10-20211012	10/12/2021	SW8260B	L1416883-88	Chloroform	2.77	J	0.111	5.00	ug/l	J	sp	<PQL			
L1416883	WMW6.9S-20211012	10/12/2021	SW8260B	L1416883-93	Chloroform	0.124	J	0.111	5.00	ug/l	J	sp	<PQL			
L1417492	COH-2B1-20211013	10/13/2021	SW8260B	L1417492-91	Chloroform	0.153	J	0.111	5.00	ug/l	J	sp	<PQL			
L1417492	MWK5-20211013	10/13/2021	SW8260B	L1417492-89	Chloroform	0.664	J	0.111	5.00	ug/l	J	sp	<PQL			
L1417492	PC-191-20211013	10/13/2021	SW8260B	L1417492-01	Chloroform	1.45	J	0.111	5.00	ug/l	J	sp	<PQL			
L1417492	PC-98R-20211013	10/13/2021	SW8260B	L1417492-87	Chloroform	0.240	J	0.111	5.00	ug/l	J	sp	<PQL			
L1418041	WMW6.15N-20211014-EB	10/14/2021	SW8260B	L1418041-87	Chloroform	1.75	J	0.111	5.00	ug/l	J	sp	<PQL			
L1420407	MCF-28A-20211020	10/20/2021	SW8260B	L1420407-02	Chloroform	0.275	J	0.111	5.00	ug/l	J	sp	<PQL			
L1449351	PC-157C-20220110	1/10/2022	SW8260B	L1449351-05	Chloroform	3.22	J	0.111	5.00	ug/l	J	sp	<PQL			
L1449351	PC-205A-20220110	1/10/2022	SW8260B	L1449351-01	Chloroform	0.111	J	0.111	5.00	ug/l	J	sp	<PQL			
L1449351	PC-205B-20220110	1/10/2022	SW8260B	L1449351-02	Chloroform	0.153	J	0.111	5.00	ug/l	J	sp	<PQL			
L1449351	PC-205B-20220110-FD	1/10/2022	SW8260B	L1449351-03	Chloroform	0.155	J	0.111	5.00	ug/l	J	sp	<PQL			
L1416362	PC-198-20211011	10/11/2021	SW8260B	L1416362-88	Chloroform	3.76	J	0.111	5.00	ug/l	J	sp	<PQL			
L1416362	PC-198-20211011-FD	10/11/2021	SW8260B	L1416362-90	Chloroform	3.71	J	0.111	5.00	ug/l	J	sp	<PQL			
L1417492	MWK5-20211013	10/13/2021	SW8260B	L1417492-89	1,4-Dichlorobenzene	0.161	J	0.120	1.00	ug/l	J	sp	<PQL			
L1449351	PC-205A-20220110	1/10/2022	SW8260B	L1449351-01	1,4-Dichlorobenzene	0.262	J	0.120	1.00	ug/l	J	sp	<PQL			
L1416883	ES-55B-20211012	10/12/2021	SW8260B	L1416883-98	Dibromomethane		U J4	0.122	1.00	ug/l	UJ	l,nd	LCS %R	77.4,-	80-120	%
L1415470	PC-155A-20211008	10/8/2021	SW8260B	L1415470-90	cis-1,2-Dichloroethene	0.138	J	0.126	1.00	ug/l	J	sp	<PQL			
L1413601	PC-202-20211005	10/5/2021	SW8260B	L1413601-04	Carbon Tetrachloride	0.879	J	0.128	1.00	ug/l	J	sp	<PQL			
L1413601	PC-53-20211005	10/5/2021	SW8260B	L1413601-02	Carbon Tetrachloride	0.989	J	0.128	1.00	ug/l	J	sp	<PQL			
L1416362	PC-198-20211011	10/11/2021	SW8260B	L1416362-88	Bromoform		U J4	0.129	1.00	ug/l	UJ	l,nd	LCS/LCSD %R	65.8,-	68-132	%
L1416362	PC-198-20211011-FD	10/11/2021	SW8260B	L1416362-90	Bromoform		U J4	0.129	1.00	ug/l	UJ	l,nd	LCS/LCSD %R	65.8,-	68-132	%
L1416362	PC-199-20211011	10/11/2021	SW8260B	L1416362-89	Bromoform		U J4	0.129	1.00	ug/l	UJ	l,nd	LCS/LCSD %R	65.8,-	68-132	%
L1416362	PC-88-20211011	10/11/2021	SW8260B	L1416362-95	Bromoform		U J4	0.129	1.00	ug/l	UJ	l,nd	LCS/LCSD %R	65.8,-	68-132	%
L1416362	PC-90-20211011	10/11/2021	SW8260B	L1416362-93	Bromoform		U J4	0.129	1.00	ug/l	UJ	l,nd	LCS/LCSD %R	65.8,-	68-132	%
L1416362	PC-90-20211011-EB	10/11/2021	SW8260B	L1416362-94	Bromoform		U J4	0.129	1.00	ug/l	UJ	l,nd	LCS/LCSD %R	65.8,-	68-132	%
L1416362	PC-92-20211011	10/11/2021	SW8260B	L1416362-91	Bromoform		U J4	0.129	1.00	ug/l	UJ	l,nd	LCS/LCSD %R	65.8,-	68-132	%
L1416362	PC-94-20211011	10/11/2021	SW8260B	L1416362-92	Bromoform		U J4	0.129	1.00	ug/l	UJ	l,nd	LCS/LCSD %R	65.8,-	68-132	%
L1416362	PC-97-20211011	10/11/2021	SW8260B	L1416362-87	Bromoform		U J4	0.129	1.00	ug/l	UJ	l,nd	LCS/LCSD %R	65.8,-	68-132	%
L1416362	PC-97-20211011-TB	10/11/2021	SW8260B	L1416362-01	Bromoform		U J4	0.129	1.00	ug/l	UJ	l,nd	LCS/LCSD %R	65.8,-	68-132	%

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L1414236	PC-58-20211006-EB	10/6/2021	SW8260B	L1414236-90	Bromodichloromethane	0.434	J	0.136	1.00	ug/l	J	sp	<PQL			
L1416362	PC-90-20211011-EB	10/11/2021	SW8260B	L1416362-94	Bromodichloromethane	0.515	J	0.136	1.00	ug/l	J	sp	<PQL			
L1418041	WMW6.15N-20211014-EB	10/14/2021	SW8260B	L1418041-87	Bromodichloromethane	0.461	J	0.136	1.00	ug/l	J	sp	<PQL			
L1416362	PC-198-20211011	10/11/2021	SW8260B	L1416362-88	Dibromochloromethane		U J4	0.140	1.00	ug/l	UJ	l,nd	LCS/LCSD %R	76.0,-	77-125	%
L1416362	PC-198-20211011-FD	10/11/2021	SW8260B	L1416362-90	Dibromochloromethane		U J4	0.140	1.00	ug/l	UJ	l,nd	LCS/LCSD %R	76.0,-	77-125	%
L1416362	PC-199-20211011	10/11/2021	SW8260B	L1416362-89	Dibromochloromethane		U J4	0.140	1.00	ug/l	UJ	l,nd	LCS/LCSD %R	76.0,-	77-125	%
L1416362	PC-88-20211011	10/11/2021	SW8260B	L1416362-95	Dibromochloromethane		U J4	0.140	1.00	ug/l	UJ	l,nd	LCS/LCSD %R	76.0,-	77-125	%
L1416362	PC-90-20211011	10/11/2021	SW8260B	L1416362-93	Dibromochloromethane		U J4	0.140	1.00	ug/l	UJ	l,nd	LCS/LCSD %R	76.0,-	77-125	%
L1416362	PC-90-20211011-EB	10/11/2021	SW8260B	L1416362-94	Dibromochloromethane		U J4	0.140	1.00	ug/l	UJ	l,nd	LCS/LCSD %R	76.0,-	77-125	%
L1416362	PC-92-20211011	10/11/2021	SW8260B	L1416362-91	Dibromochloromethane		U J4	0.140	1.00	ug/l	UJ	l,nd	LCS/LCSD %R	76.0,-	77-125	%
L1416362	PC-94-20211011	10/11/2021	SW8260B	L1416362-92	Dibromochloromethane		U J4	0.140	1.00	ug/l	UJ	l,nd	LCS/LCSD %R	76.0,-	77-125	%
L1416362	PC-97-20211011	10/11/2021	SW8260B	L1416362-87	Dibromochloromethane		U J4	0.140	1.00	ug/l	UJ	l,nd	LCS/LCSD %R	76.0,-	77-125	%
L1416362	PC-97-20211011-TB	10/11/2021	SW8260B	L1416362-01	Dibromochloromethane		U J4	0.140	1.00	ug/l	UJ	l,nd	LCS/LCSD %R	76.0,-	77-125	%
L1416883	ES-55C-20211012	10/12/2021	SW8260B	L1416883-96	1,1-Dichloropropene	0.412	J	0.142	1.00	ug/l	J	sp	<PQL			
L1413601	PC-178-20211005	10/5/2021	SW7199	L1413601-01	Chromium VI	0.439	J	0.150	0.500	ug/l	J-	sp,m	<PQL, MS/MSD %R	79.4,-	90-110	%
L1413601	PC-202-20211005	10/5/2021	SW7199	L1413601-04	Chromium VI	68.3		0.150	0.500	ug/l	J-	m	MS/MSD %R	79.4,-	90-110	%
L1413601	PC-2-20211005	10/5/2021	SW7199	L1413601-03	Chromium VI	2.60		0.150	0.500	ug/l	J-	m	MS/MSD %R	79.4,-	90-110	%
L1413601	PC-4-20211005	10/5/2021	SW7199	L1413601-05	Chromium VI	67.5		0.150	0.500	ug/l	J-	m	MS/MSD %R	79.4,-	90-110	%
L1414236	PC-60-20211006	10/6/2021	SW7199	L1414236-91	Chromium VI	0.188	J	0.150	0.500	ug/l	J	sp	<PQL			
L1415470	PC-156B-20211008	10/8/2021	SW7199	L1415470-91	Chromium VI	0.189	J	0.150	0.500	ug/l	J	sp	<PQL			
L1415470	PC-157A-20211008	10/8/2021	SW7199	L1415470-88	Chromium VI	0.181	J	0.150	0.500	ug/l	J	sp	<PQL			
L1416883	PC-76-20211012	10/12/2021	SW7199	L1416883-95	Chromium VI	0.161	J	0.150	0.500	ug/l	J	sp	<PQL			
L1416883	WMW6.15S-20211012	10/12/2021	SW7199	L1416883-92	Chromium VI	0.165	J	0.150	0.500	ug/l	J	sp	<PQL			
L1418041	WMW6.15N-20211014	10/14/2021	SW7199	L1418041-88	Chromium VI	0.151	J	0.150	0.500	ug/l	J	sp	<PQL			
L1418041	WMW6.15N-20211014-FD	10/14/2021	SW7199	L1418041-89	Chromium VI	0.157	J	0.150	0.500	ug/l	J	sp	<PQL			
L1425714	NERT3.58N1-20211102	11/2/2021	SW7199	L1425714-08	Chromium VI	0.458	J	0.150	0.500	ug/l	J	sp	<PQL			
L1425714	NERT3.58N1-20211102-FD	11/2/2021	SW7199	L1425714-14	Chromium VI	0.462	J	0.150	0.500	ug/l	J	sp	<PQL			
L1426343	NERT4.64N1-20211103	11/3/2021	SW7199	L1426343-01	Chromium VI	0.324	J	0.150	0.500	ug/l	J	sp	<PQL			
L1426343	USGS-SE-20211103	11/3/2021	SW7199	L1426343-06	Chromium VI	0.279	J	0.150	0.500	ug/l	J	sp	<PQL			
L1426982	NERT3.80S1-20211104	11/4/2021	SW7199	L1426982-14	Chromium VI	0.204	J	0.150	0.500	ug/l	J	sp	<PQL			
L1427569	LVWPS-MW216-20211105	11/5/2021	SW7199	L1427569-14	Chromium VI	0.176	J	0.150	0.500	ug/l	J	sp	<PQL			
L1429196	MW-20-20211110	11/10/2021	SW7199	L1429196-04	Chromium VI	0.407	J	0.150	0.500	ug/l	J	sp	<PQL			
L1449351	PC-205A-20220110	1/10/2022	SW7199	L1449351-01	Chromium VI	0.213	J	0.150	0.500	ug/l	J	sp	<PQL			
L1449987	NERT5.26N1-20220111	1/11/2022	SW7199	L1449987-12	Chromium VI	0.159	J	0.150	0.500	ug/l	J	sp	<PQL			
L1449987	NERT5.83N1-20220111	1/11/2022	SW7199	L1449987-11	Chromium VI	0.291	J	0.150	0.500	ug/l	J	sp	<PQL			
L1450402	NERT3.60S2-20220112	1/12/2022	SW7199	L1450402-02	Chromium VI		U Q	0.150	0.500	ug/l	UJ	nd,h	Holding Times	35	24	Hours
L1450402	ES-53-20220112	1/12/2022	SW7199	L1450402-04	Chromium VI	78.7	Q	0.150	0.500	ug/l	J-	h	Holding Times	35	24	Hours
L1450402	FM-02A-20220112	1/12/2022	SW7199	L1450402-01	Chromium VI	0.866	Q	0.150	0.500	ug/l	J-	h	Holding Times	35	24	Hours
L1418554	LVWPS-MW226B-20211015	10/15/2021	SW7199	339	Chromium VI		U J6	0.150	0.500	ug/l	R	nd,m	MS %R	6.15	90-110	%
L1420407	MCF-28A-20211020	10/20/2021	SW7199	L1420407-02	Chromium VI		U J6	0.150	0.500	ug/l	R	nd,m	MS/MSD %R	0,0	90-110	%
L1421039	MCF-31A-20211021	10/21/2021	SW7199	L1421039-03	Chromium VI		U J6	0.150	0.500	ug/l	R	nd,m	MS/MSD %R	0,0	90-110	%
L1425714	LVWPS-MW212D-20211102	11/2/2021	SW7199	L1425714-04	Chromium VI	28.9	J6	0.150	0.500	ug/l	J-	m	MS/MSD %R	89.1,-	90-110	%
L1426982	NERT3.35S1-20211104	11/4/2021	SW7199	L1426982-08	Chromium VI		U Q	0.150	0.500	ug/l	UJ	nd,h	Holding Times	40	24	Hours

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Laboratory Sample ID	Analyte	Lab Results	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator	Qualification Finding	Acceptance Criteria	
L1426982	NERT3.40S1-20211104	11/4/2021	SW7199	L1426982-10	Chromium VI		U Q	0.150	0.500	ug/l	UJ	nd,h	Holding Times	35	24	Hours
L1426982	LVWPS-MW225A-20211104	11/4/2021	SW7199	L1426982-02	Chromium VI	21.5	Q	0.150	0.500	ug/l	J-	h	Holding Times	38	24	Hours
L1426982	LVWPS-MW225B-20211104	11/4/2021	SW7199	L1426982-03	Chromium VI	11.5	Q	0.150	0.500	ug/l	J-	h	Holding Times	38	24	Hours
L1426982	NERT3.60S1-20211104	11/4/2021	SW7199	L1426982-12	Chromium VI	5.88	Q	0.150	0.500	ug/l	J-	h	Holding Times	38	24	Hours
L1426982	NERT3.63S1-20211104	11/4/2021	SW7199	L1426982-13	Chromium VI	4.75	Q	0.150	0.500	ug/l	J-	h	Holding Times	38	24	Hours
L1426982	WMW3.5S-20211104	11/4/2021	SW7199	L1426982-06	Chromium VI	2.58	Q	0.150	0.500	ug/l	J-	h	Holding Times	41	24	Hours
L1426982	WMW3.5S-20211104-FD	11/4/2021	SW7199	L1426982-07	Chromium VI	2.58	Q	0.150	0.500	ug/l	J-	h	Holding Times	41	24	Hours
L1413601	PC-53-20211005	10/5/2021	SW8260B	L1413601-02	1,1,2-Trichloroethane	0.242	J	0.158	1.00	ug/l	J	sp	<PQL			
L1413601	PC-178-20211005	10/5/2021	SW8260B	L1413601-01	Xylenes (total)	0.207	J	0.174	3.00	ug/l	J	sp	<PQL			
L1416883	ES-55B-20211012	10/12/2021	SW8260B	L1416883-98	1,1-Dichloroethene	0.206	J	0.188	1.00	ug/l	J	sp	<PQL			
L1415470	PC-157B-20211008-TB	10/8/2021	SW8260B	L1415470-01	Trichloroethene	0.231	B J	0.190	1.00	ug/l	J	sp,bl,bb	<PQL, Blank Contamination < PQL	0.23100	0.23	ug/l
L1415470	PC-155A-20211008	10/8/2021	SW8260B	L1415470-90	Trichloroethene	0.275	B J	0.190	1.00	ug/l	J	sp,bl,bb,bt	<PQL, Blank Contamination < PQL, TB Contamination < PQL	0.27500	0.28	ug/l
L1415470	PC-155B-20211008	10/8/2021	SW8260B	L1415470-89	Trichloroethene	0.242	B J	0.190	1.00	ug/l	J	sp,bl,bb,bt	<PQL, Blank Contamination < PQL, TB Contamination < PQL	0.24200	0.24	ug/l
L1415470	PC-157A-20211008	10/8/2021	SW8260B	L1415470-88	Trichloroethene	0.278	B J	0.190	1.00	ug/l	J	sp,bl,bb,bt	<PQL, Blank Contamination < PQL, TB Contamination < PQL	0.27800	0.28	ug/l
L1415470	PC-157B-20211008	10/8/2021	SW8260B	L1415470-87	Trichloroethene	0.212	B J	0.190	1.00	ug/l	J	sp,bl,bb,bt	<PQL, Blank Contamination < PQL, TB Contamination < PQL	0.21200	0.21	ug/l
L1413601	PC-4-20211005	10/5/2021	SW8260B	L1413601-05	Trichloroethene	0.223	J	0.190	1.00	ug/l	J	sp	<PQL			
L1413601	PC-53-20211005	10/5/2021	SW8260B	L1413601-02	Trichloroethene	0.197	J	0.190	1.00	ug/l	J	sp	<PQL			
L1414236	DBMW-19-20211006	10/6/2021	SW8260B	L1414236-95	Trichloroethene	0.238	J	0.190	1.00	ug/l	J	sp	<PQL			
L1416883	ES-55B-20211012	10/12/2021	SW8260B	L1416883-98	Trichloroethene	0.230	J	0.190	1.00	ug/l	J	sp	<PQL			
L1416362	PC-199-20211011	10/11/2021	SW8260B	L1416362-89	Chloroethane	0.374	J	0.192	5.00	ug/l	J	sp	<PQL			
L1420407	MCF-18A-20211020	10/20/2021	SW8260B	L1420407-01	Vinyl Chloride	0.238	J	0.234	1.00	ug/l	J	sp	<PQL			
L1420407	MCF-28A-20211020	10/20/2021	SW8260B	L1420407-02	Toluene	0.653	J	0.278	1.00	ug/l	J	sp	<PQL			
L1419224	NERT4.29N-20.0-20211014	10/14/2021	E300.1	L1419224-02	Chlorate		U	0.294	0.506	mg/kg	UJ	nd,m	MS/MSD %R	83.8,80.8	85-115	%
L1419224	NERT4.29N-30.0-20211014	10/14/2021	E300.1	L1419224-03	Chlorate		U J6	0.296	0.510	mg/kg	UJ	nd,m	MS/MSD %R	83.8,80.8	85-115	%
L1419214	NERT-FM01-20.0-20211013	10/13/2021	E300.1	L1419214-02	Chlorate		U	0.299	0.516	mg/kg	UJ	nd,m	MS/MSD %R	74.4,70.8	85-115	%
L1418041	WMW6.15N-20211014-EB	10/14/2021	E314.0	L1418041-87	Perchlorate	3.05	B J	0.300	4.00	ug/l	J	sp,bl,bb	<PQL, Blank Contamination < PQL	3.05	3.05	ug/l
L1413601	PC-202-20211005	10/5/2021	SW8260B	L1413601-04	Tetrachloroethene	0.558	J	0.300	1.00	ug/l	J	sp	<PQL			
L1416883	ES-55B-20211012	10/12/2021	SW8260B	L1416883-98	Tetrachloroethene	0.594	J	0.300	1.00	ug/l	J	sp	<PQL			
L1416883	ES-55C-20211012	10/12/2021	SW8260B	L1416883-96	Tetrachloroethene	0.419	J	0.300	1.00	ug/l	J	sp	<PQL			
L1416883	PC-77-20211012	10/12/2021	SW8260B	L1416883-01	Tetrachloroethene	0.717	J	0.300	1.00	ug/l	J	sp	<PQL			
L1416883	PMW-8-20211012	10/12/2021	SW8260B	L1416883-89	Tetrachloroethene	0.315	J	0.300	1.00	ug/l	J	sp	<PQL			
L1416883	RIT-10-20211012	10/12/2021	SW8260B	L1416883-88	Tetrachloroethene	0.356	J	0.300	4.00	ug/l	J	sp	<PQL			
L1449351	PC-94D-20220110	1/10/2022	SW8260B	L1449351-06	Tetrachloroethene	0.428	J	0.300	1.00	ug/l	J	sp	<PQL			
L1419203	TB-H6-10.0-20211012	10/12/2021	E300.1	L1419203-01	Chlorate		U J6	0.301	0.519	mg/kg	UJ	nd,m	MS/MSD %R	72.8,77.3	85-115	%
L1419214	NERT-FM01-40.0-20211013	10/13/2021	E300.1	L1419214-04	Chlorate		U	0.303	0.523	mg/kg	UJ	nd,m	MS/MSD %R	74.4,70.8	85-115	%
L1419224	NERT4.29N-40.0-20211014	10/14/2021	E300.1	L1419224-04	Chlorate		U	0.304	0.523	mg/kg	UJ	nd,m	MS/MSD %R	83.8,80.8	85-115	%
L1419224	NERT4.29N-70.0-20211014	10/14/2021	E300.1	L1419224-07	Chlorate		U	0.304	0.524	mg/kg	UJ	nd,m	MS/MSD %R	83.8,80.8	85-115	%
L1414445	PC-205A-0.0-20211005	10/5/2021	E300.1	L1414445-04	Chlorate		U	0.305	0.526	mg/kg	UJ	nd,m	MS/MSD %R	79.2,75.2	80-120	%
L1414548	NERT5.98S-10.0-20211005	10/5/2021	E300.1	L1414548-01	Chlorate	0.390	J	0.305	0.526	mg/kg	J-	sp,m	<PQL, MS/MSD %R	72.2,75.9	85-115	%
L1414548	NERT5.63S-10.0-20211006	10/6/2021	E300.1	L1414548-10	Chlorate		U	0.305	0.526	mg/kg	UJ	nd,m	MS/MSD %R	72.2,75.9	85-115	%
L1419203	TB-H6-20.0-20211012	10/12/2021	E300.1	L1419203-02	Chlorate	2.49		0.305	0.526	mg/kg	J-	m	MS/MSD %R	72.8,77.3	85-115	%
L1414445	PC-205A-5.0-20211005	10/5/2021	E300.1	L1414445-05	Chlorate		U	0.307	0.529	mg/kg	UJ	nd,m	MS/MSD %R	79.2,75.2	80-120	%
L1416077	TB-H1-10.0-20211007	10/7/2021	E300.1	L1416077-01	Chlorate	0.661	J6 P1	0.307	0.530	mg/kg	J-	m	MS/MSD %R	76.6,74.9	85-115	%

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Laboratory Sample ID	Analyte	Lab Results	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator	Qualification Finding	Acceptance Criteria	
L1417036	NERT5.20S-10.0-20211008	10/8/2021	E300.1	L1417036-15	Chlorate		U	0.308	0.530	mg/kg	UJ	nd,m	MS/MSD %R	80.1,78.1	85-115	%
L1419224	NERT4.29N-60.0-20211014	10/14/2021	E300.1	L1419224-06	Chlorate		U	0.308	0.531	mg/kg	UJ	nd,m	MS/MSD %R	83.8,80.8	85-115	%
L1414445	PC-205-0.0-20211005	10/5/2021	E300.1	L1414445-01	Chlorate		U	0.309	0.533	mg/kg	UJ	nd,m	MS/MSD %R	79.2,75.2	80-120	%
L1416077	TB-H1-60.0-20211007	10/7/2021	E300.1	L1416077-06	Chlorate	2.52		0.309	0.533	mg/kg	J-	m	MS/MSD %R	76.6,74.9	85-115	%
L1420457	NERT3.94N-20.0-20211018	10/18/2021	E300.1	L1420457-02	Chlorate		U	0.309	0.532	mg/kg	UJ	nd,m	MS/MSD %R	83.8,80.8	85-115	%
L1419224	NERT4.29N-90.0-20211015	10/15/2021	E300.1	L1419224-09	Chlorate		U	0.310	0.534	mg/kg	UJ	nd,m	MS/MSD %R	83.8,80.8	85-115	%
L1416077	TB-H1-20.0-20211007	10/7/2021	E300.1	L1416077-02	Chlorate		U	0.311	0.537	mg/kg	UJ	nd,m	MS/MSD %R	76.6,74.9	85-115	%
L1417036	NERT5.20S-50.0-20211008	10/8/2021	E300.1	L1417036-19	Chlorate	1.62		0.311	0.536	mg/kg	J-	m	MS/MSD %R	80.1,78.1	85-115	%
L1419214	NERT-FM01-30.0-20211013	10/13/2021	E300.1	L1419214-03	Chlorate		U	0.311	0.536	mg/kg	UJ	nd,m	MS/MSD %R	74.4,70.8	85-115	%
L1419224	NERT4.29N-80.0-20211015	10/15/2021	E300.1	L1419224-08	Chlorate		U	0.311	0.536	mg/kg	UJ	nd,m	MS/MSD %R	83.8,80.8	85-115	%
L1414445	PC-205B-0.0-20211005	10/5/2021	E300.1	L1414445-07	Chlorate		U	0.312	0.537	mg/kg	UJ	nd,m	MS/MSD %R	79.2,75.2	80-120	%
L1417645	NERT5.26N-40.0-20211012	10/12/2021	E300.1	L1417645-04	Chlorate		U	0.312	0.538	mg/kg	UJ	nd,m	MS/MSD %R	76.6,74.9	85-115	%
L1419210	TB-I2-10.0-20211013	10/13/2021	E300.1	L1419210-01	Chlorate		U	0.312	0.538	mg/kg	UJ	nd,m	MS/MSD %R	79,76.1	85-115	%
L1416044	PC-205-50.0-20211006	10/6/2021	E300.1	L1416044-04	Chlorate		U	0.313	0.539	mg/kg	UJ	nd,m	MS/MSD %R	80.1,78.1	85-115	%
L1420457	NERT3.94N-90.0-20211018	10/18/2021	E300.1	L1420457-08	Chlorate		U	0.313	0.539	mg/kg	UJ	nd,m	MS/MSD %R	83.8,80.8	85-115	%
L1418229	NERT6.21N-20.0-20211011	10/11/2021	E300.1	L1418229-02	Chlorate		U	0.314	0.542	mg/kg	UJ	nd,m	MS/MSD %R	72.8,77.3	85-115	%
L1420457	NERT3.94N-10.0-20211018	10/18/2021	E300.1	L1420457-01	Chlorate		U	0.315	0.543	mg/kg	UJ	nd,m	MS/MSD %R	83.8,80.8	85-115	%
L1418229	NERT6.21N-30.0-20211011	10/11/2021	E300.1	L1418229-03	Chlorate		U	0.317	0.546	mg/kg	UJ	nd,m	MS/MSD %R	72.8,77.3	85-115	%
L1419203	TB-H6-30.0-20211012	10/12/2021	E300.1	L1419203-03	Chlorate	2.17		0.317	0.546	mg/kg	J-	m	MS/MSD %R	72.8,77.3	85-115	%
L1419214	NERT-FM01-10.0-20211013	10/13/2021	E300.1	L1419214-01	Chlorate		U	0.318	0.549	mg/kg	UJ	nd,m	MS/MSD %R	74.4,70.8	85-115	%
L1419224	NERT4.29N-80.0-20211015-FD	10/15/2021	E300.1	L1419224-10	Chlorate		U	0.318	0.548	mg/kg	UJ	nd,m	MS/MSD %R	83.8,80.8	85-115	%
L1420457	NERT3.94N-70.0-20211018	10/18/2021	E300.1	L1420457-07	Chlorate		U	0.320	0.551	mg/kg	UJ	nd,m	MS/MSD %R	83.8,80.8	85-115	%
L1414548	NERT5.63S-20.0-20211006	10/6/2021	E300.1	L1414548-11	Chlorate		U	0.321	0.553	mg/kg	UJ	nd,m	MS/MSD %R	72.2,75.9	85-115	%
L1420457	NERT3.94N-50.0-20211018	10/18/2021	E300.1	L1420457-05	Chlorate		U	0.321	0.553	mg/kg	UJ	nd,m	MS/MSD %R	83.8,80.8	85-115	%
L1419224	NERT4.29N-10.0-20211014	10/14/2021	E300.1	L1419224-01	Chlorate		U	0.322	0.555	mg/kg	UJ	nd,m	MS/MSD %R	83.8,80.8	85-115	%
L1414445	PC-205B-5.0-20211005	10/5/2021	E300.1	L1414445-08	Chlorate		U	0.324	0.559	mg/kg	UJ	nd,m	MS/MSD %R	79.2,75.2	80-120	%
L1416077	TB-H1-30.0-20211007	10/7/2021	E300.1	L1416077-03	Chlorate	1.86		0.324	0.558	mg/kg	J-	m	MS/MSD %R	76.6,74.9	85-115	%
L1419203	TB-H6-40.0-20211012	10/12/2021	E300.1	L1419203-04	Chlorate	1.98		0.324	0.559	mg/kg	J-	m	MS/MSD %R	72.8,77.3	85-115	%
L1414548	NERT5.63S-50.0-20211006	10/6/2021	E300.1	L1414548-14	Chlorate	2.39		0.325	0.560	mg/kg	J-	m	MS/MSD %R	72.2,75.9	85-115	%
L1414548	NERT5.98S-40.0-20211005	10/5/2021	E300.1	L1414548-04	Chlorate	0.702		0.326	0.562	mg/kg	J-	m	MS/MSD %R	72.2,75.9	85-115	%
L1416077	TB-H1-40.0-20211007	10/7/2021	E300.1	L1416077-04	Chlorate	2.35		0.326	0.561	mg/kg	J-	m	MS/MSD %R	76.6,74.9	85-115	%
L1416077	TB-H1-50.0-20211007	10/7/2021	E300.1	L1416077-05	Chlorate	2.15		0.326	0.561	mg/kg	J-	m	MS/MSD %R	76.6,74.9	85-115	%
L1418229	NERT6.21N-40.0-20211012	10/12/2021	E300.1	L1418229-04	Chlorate		U	0.327	0.563	mg/kg	UJ	nd,m	MS/MSD %R	72.8,77.3	85-115	%
L1420457	NERT3.94N-40.0-20211018	10/18/2021	E300.1	L1420457-04	Chlorate		U	0.327	0.564	mg/kg	UJ	nd,m	MS/MSD %R	83.8,80.8	85-115	%
L1419224	NERT4.29N-50.0-20211014	10/14/2021	E300.1	L1419224-05	Chlorate		U	0.328	0.566	mg/kg	UJ	nd,m	MS/MSD %R	83.8,80.8	85-115	%
L1417036	NERT5.20S-30.0-20211008	10/8/2021	E300.1	L1417036-17	Chlorate	0.474	J	0.329	0.567	mg/kg	J-	sp,m	<PQL, MS/MSD %R	80.1,78.1	85-115	%
L1414445	PC-205-9.5-20211005	10/5/2021	E300.1	L1414445-03	Chlorate		U	0.331	0.571	mg/kg	UJ	nd,m	MS/MSD %R	79.2,75.2	80-120	%
L1417036	NERT5.20S-60.0-20211008-FD	10/8/2021	E300.1	L1417036-21	Chlorate	1.41	J6	0.331	0.571	mg/kg	J-	m	MS/MSD %R	80.1,78.1	85-115	%
L1414548	NERT5.98S-20.0-20211005	10/5/2021	E300.1	L1414548-02	Chlorate	1.65		0.332	0.572	mg/kg	J-	m	MS/MSD %R	72.2,75.9	85-115	%
L1417036	NERT5.20S-40.0-20211008	10/8/2021	E300.1	L1417036-18	Chlorate	1.43		0.332	0.573	mg/kg	J-	m	MS/MSD %R	80.1,78.1	85-115	%
L1420457	NERT3.94N-30.0-20211018	10/18/2021	E300.1	L1420457-03	Chlorate		U	0.332	0.573	mg/kg	UJ	nd,m	MS/MSD %R	83.8,80.8	85-115	%
L1414548	NERT5.63S-40.0-20211006	10/6/2021	E300.1	L1414548-13	Chlorate	1.77		0.333	0.574	mg/kg	J-	m	MS/MSD %R	72.2,75.9	85-115	%
L1414548	NERT5.98S-50.0-20211005	10/5/2021	E300.1	L1414548-05	Chlorate		U	0.333	0.574	mg/kg	UJ	nd,m	MS/MSD %R	72.2,75.9	85-115	%

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Laboratory Sample ID	Analyte	Lab Results	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator	Qualification Finding	Acceptance Criteria	
L1417645	NERT5.26N-60.0-20211012	10/12/2021	E300.1	L1417645-06	Chlorate		U	0.333	0.575	mg/kg	UJ	nd,m	MS/MSD %R	76.6,74.9	85-115	%
L1417645	NERT5.26N-50.0-20211012	10/12/2021	E300.1	L1417645-05	Chlorate		U	0.334	0.576	mg/kg	UJ	nd,m	MS/MSD %R	76.6,74.9	85-115	%
L1414445	PC-205B-9.5-20211005	10/5/2021	E300.1	L1414445-09	Chlorate		U	0.335	0.578	mg/kg	UJ	nd,m	MS/MSD %R	79.2,75.2	80-120	%
L1414445	PC-205A-9.5-20211005	10/5/2021	E300.1	L1414445-06	Chlorate		U	0.336	0.579	mg/kg	UJ	nd,m	MS/MSD %R	79.2,75.2	80-120	%
L1414548	NERT5.63S-30.0-20211006	10/6/2021	E300.1	L1414548-12	Chlorate	2.81		0.339	0.585	mg/kg	J-	m	MS/MSD %R	72.2,75.9	85-115	%
L1417036	NERT5.20S-60.0-20211008	10/8/2021	E300.1	L1417036-20	Chlorate	1.49		0.341	0.589	mg/kg	J-	m	MS/MSD %R	80.1,78.1	85-115	%
L1414445	PC-205-5.0-20211005	10/5/2021	E300.1	L1414445-02	Chlorate		U J6	0.342	0.589	mg/kg	UJ	nd,m	MS/MSD %R	79.2,75.2	80-120	%
L1417645	NERT5.26N-30.0-20211012	10/12/2021	E300.1	L1417645-03	Chlorate		U	0.342	0.590	mg/kg	UJ	nd,m	MS/MSD %R	76.6,74.9	85-115	%
L1419209	TB-I1-10.0-20211013	10/13/2021	E300.1	L1419209-01	Chlorate		U	0.343	0.592	mg/kg	UJ	nd,m	MS/MSD %R	79,76.1	85-115	%
L1414445	PC-205A-9.5-20211005-FD	10/5/2021	E300.1	L1414445-10	Chlorate		U	0.344	0.593	mg/kg	UJ	nd,m	MS/MSD %R	79.2,75.2	80-120	%
L1419203	TB-H6-60.0-20211012	10/12/2021	E300.1	L1419203-06	Chlorate	3.19		0.346	0.596	mg/kg	J-	m	MS/MSD %R	72.8,77.3	85-115	%
L1419210	TB-I2-40.0-20211013	10/13/2021	E300.1	L1419210-04	Chlorate	1.91		0.346	0.596	mg/kg	J-	m	MS/MSD %R	79,76.1	85-115	%
L1420457	NERT3.94N-60.0-20211018	10/18/2021	E300.1	L1420457-06	Chlorate	0.466	J	0.346	0.596	mg/kg	J-	sp,m	<PQL, MS/MSD %R	83.8,80.8	85-115	%
L1419209	TB-I1-20.0-20211013	10/13/2021	E300.1	L1419209-02	Chlorate		U	0.347	0.598	mg/kg	UJ	nd,m	MS/MSD %R	79,76.1	85-115	%
L1416044	PC-205-40.0-20211006	10/6/2021	E300.1	L1416044-03	Chlorate		U	0.351	0.605	mg/kg	UJ	nd,m	MS/MSD %R	80.1,78.1	85-115	%
L1392933	ES-55-50.0-20210818	8/18/2021	E300.1	L1392933-05	Chlorate	11.8	J3	0.357	0.616	mg/kg	J	ld	DUP RPD	32.4	≤20	%
L1414548	NERT5.98S-80.0-20211005	10/5/2021	E300.1	L1414548-08	Chlorate		U	0.359	0.618	mg/kg	UJ	nd,m	MS/MSD %R	72.2,75.9	85-115	%
L1418229	NERT6.21N-50.0-20211012	10/12/2021	E300.1	L1418229-05	Chlorate		U	0.365	0.630	mg/kg	UJ	nd,m	MS/MSD %R	72.8,77.3	85-115	%
L1419203	TB-H6-50.0-20211012	10/12/2021	E300.1	L1419203-05	Chlorate	4.46		0.366	0.630	mg/kg	J-	m	MS/MSD %R	72.8,77.3	85-115	%
L1419209	TB-I1-50.0-20211013	10/13/2021	E300.1	L1419209-05	Chlorate		U	0.367	0.634	mg/kg	UJ	nd,m	MS/MSD %R	79,76.1	85-115	%
L1419210	TB-I2-50.0-20211013	10/13/2021	E300.1	L1419210-05	Chlorate		U	0.370	0.638	mg/kg	UJ	nd,m	MS/MSD %R	79,76.1	85-115	%
L1419210	TB-I2-90.0-20211014	10/14/2021	E300.1	L1419210-09	Chlorate		U	0.370	0.639	mg/kg	UJ	nd,m	MS/MSD %R	74.4,70.8	85-115	%
L1419210	TB-I2-60.0-20211013	10/13/2021	E300.1	L1419210-06	Chlorate		U	0.372	0.641	mg/kg	UJ	nd,m	MS/MSD %R	79,76.1	85-115	%
L1418229	NERT6.21N-10.0-20211011	10/11/2021	E300.1	L1418229-01	Chlorate		U	0.373	0.643	mg/kg	UJ	nd,m	MS/MSD %R	72.8,77.3	85-115	%
L1419209	TB-I1-80.0-20211013	10/13/2021	E300.1	L1419209-08	Chlorate		U	0.373	0.643	mg/kg	UJ	nd,m	MS/MSD %R	79,76.1	85-115	%
L1417645	NERT5.26N-80.0-20211012	10/12/2021	E300.1	L1417645-08	Chlorate		U	0.374	0.645	mg/kg	UJ	nd,m	MS/MSD %R	79,76.1	85-115	%
L1419214	NERT-FM01-70.0-20211014	10/14/2021	E300.1	L1419214-07	Chlorate		U J6	0.376	0.647	mg/kg	UJ	nd,m	MS/MSD %R	74.4,70.8	85-115	%
L1416077	TB-H1-90.0-20211007	10/7/2021	E300.1	L1416077-09	Chlorate		U	0.377	0.650	mg/kg	UJ	nd,m	MS/MSD %R	76.6,74.9	85-115	%
L1419203	TB-H6-90.0-20211012	10/12/2021	E300.1	L1419203-09	Chlorate		U	0.377	0.651	mg/kg	UJ	nd,m	MS/MSD %R	72.8,77.3	85-115	%
L1419214	NERT-FM01-60.0-20211014	10/14/2021	E300.1	L1419214-06	Chlorate		U	0.377	0.650	mg/kg	UJ	nd,m	MS/MSD %R	74.4,70.8	85-115	%
L1414548	NERT5.98S-30.0-20211005	10/5/2021	E300.1	L1414548-03	Chlorate	3.29		0.379	0.653	mg/kg	J-	m	MS/MSD %R	72.2,75.9	85-115	%
L1418229	NERT6.21N-90.0-20211012	10/12/2021	E300.1	L1418229-09	Chlorate		U	0.379	0.654	mg/kg	UJ	nd,m	MS/MSD %R	72.8,77.3	85-115	%
L1416044	PC-205-80.0-20211006	10/6/2021	E300.1	L1416044-07	Chlorate		U	0.380	0.656	mg/kg	UJ	nd,m	MS/MSD %R	80.1,78.1	85-115	%
L1419209	TB-I1-90.0-20211013	10/13/2021	E300.1	L1419209-09	Chlorate		U J6	0.380	0.654	mg/kg	UJ	nd,m	MS/MSD %R	79,76.1	85-115	%
L1416077	TB-H1-80.0-20211007	10/7/2021	E300.1	L1416077-08	Chlorate		U	0.381	0.657	mg/kg	UJ	nd,m	MS/MSD %R	76.6,74.9	85-115	%
L1419214	NERT-FM01-50.0-20211014	10/14/2021	E300.1	L1419214-05	Chlorate		U	0.381	0.656	mg/kg	UJ	nd,m	MS/MSD %R	74.4,70.8	85-115	%
L1418229	NERT6.21N-80.0-20211012	10/12/2021	E300.1	L1418229-08	Chlorate		U	0.382	0.658	mg/kg	UJ	nd,m	MS/MSD %R	72.8,77.3	85-115	%
L1417036	NERT5.20S-80.0-20211011	10/11/2021	E300.1	L1417036-23	Chlorate		U	0.384	0.663	mg/kg	UJ	nd,m	MS/MSD %R	80.1,78.1	85-115	%
L1419210	TB-I2-80.0-20211014	10/14/2021	E300.1	L1419210-08	Chlorate		U	0.386	0.665	mg/kg	UJ	nd,m	MS/MSD %R	79,76.1	85-115	%
L1414548	NERT5.98S-90.0-20211005	10/5/2021	E300.1	L1414548-09	Chlorate		U	0.387	0.668	mg/kg	UJ	nd,m	MS/MSD %R	72.2,75.9	85-115	%
L1419209	TB-I1-70.0-20211013	10/13/2021	E300.1	L1419209-07	Chlorate		U	0.387	0.668	mg/kg	UJ	nd,m	MS/MSD %R	79,76.1	85-115	%
L1417645	NERT5.26N-90.0-20211012	10/12/2021	E300.1	L1417645-09	Chlorate		U	0.388	0.670	mg/kg	UJ	nd,m	MS/MSD %R	79,76.1	85-115	%
L1417036	NERT5.20S-90.0-20211011	10/11/2021	E300.1	L1417036-24	Chlorate		U	0.389	0.671	mg/kg	UJ	nd,m	MS/MSD %R	80.1,78.1	85-115	%

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Laboratory Sample ID	Analyte	Lab Results	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator	Qualification Finding	Acceptance Criteria	
L1419214	NERT-FM01-90.0-20211014-FD	10/14/2021	E300.1	L1419214-10	Chlorate		U	0.389	0.671	mg/kg	UJ	nd,m	MS/MSD %R	74.4,70.8	85-115	%
L1416044	PC-205-30.0-20211006	10/6/2021	E300.1	L1416044-02	Chlorate		U	0.390	0.672	mg/kg	UJ	nd,m	MS/MSD %R	80.1,78.1	85-115	%
L1419203	TB-H6-80.0-20211012	10/12/2021	E300.1	L1419203-08	Chlorate		U	0.390	0.673	mg/kg	UJ	nd,m	MS/MSD %R	72.8,77.3	85-115	%
L1416044	PC-205-20.0-20211006	10/6/2021	E300.1	L1416044-01	Chlorate		U	0.391	0.674	mg/kg	UJ	nd,m	MS/MSD %R	80.1,78.1	85-115	%
L1419209	TB-I1-60.0-20211013	10/13/2021	E300.1	L1419209-06	Chlorate		U	0.392	0.675	mg/kg	UJ	nd,m	MS/MSD %R	79,76.1	85-115	%
L1417036	NERT5.20S-20.0-20211008	10/8/2021	E300.1	L1417036-16	Chlorate	1.32		0.393	0.678	mg/kg	J-	m	MS/MSD %R	80.1,78.1	85-115	%
L1414548	NERT5.63S-90.0-20211006	10/6/2021	E300.1	L1414548-18	Chlorate		U	0.394	0.680	mg/kg	UJ	nd,m	MS/MSD %R	72.2,75.9	85-115	%
L1419210	TB-I2-70.0-20211014	10/14/2021	E300.1	L1419210-07	Chlorate		U	0.398	0.687	mg/kg	UJ	nd,m	MS/MSD %R	79,76.1	85-115	%
L1416044	PC-205-90.0-20211007	10/7/2021	E300.1	L1416044-08	Chlorate		U	0.400	0.689	mg/kg	UJ	nd,m	MS/MSD %R	80.1,78.1	85-115	%
L1419209	TB-I1-40.0-20211013	10/13/2021	E300.1	L1419209-04	Chlorate		U	0.401	0.691	mg/kg	UJ	nd,m	MS/MSD %R	79,76.1	85-115	%
L1414548	NERT5.63S-80.0-20211006	10/6/2021	E300.1	L1414548-17	Chlorate		U	0.407	0.702	mg/kg	UJ	nd,m	MS/MSD %R	72.2,75.9	85-115	%
L1416044	PC-205-70.0-20211006	10/6/2021	E300.1	L1416044-06	Chlorate	1.35		0.407	0.702	mg/kg	J-	m	MS/MSD %R	80.1,78.1	85-115	%
L1417645	NERT5.26N-70.0-20211012	10/12/2021	E300.1	L1417645-07	Chlorate		U	0.407	0.701	mg/kg	UJ	nd,m	MS/MSD %R	79,76.1	85-115	%
L1416044	PC-205-60.0-20211006	10/6/2021	E300.1	L1416044-05	Chlorate	0.468	J	0.409	0.705	mg/kg	J-	sp,m	<PQL, MS/MSD %R	80.1,78.1	85-115	%
L1419214	NERT-FM01-80.0-20211014	10/14/2021	E300.1	L1419214-08	Chlorate		U	0.414	0.716	mg/kg	UJ	nd,m	MS/MSD %R	74.4,70.8	85-115	%
L1414548	NERT5.98S-60.0-20211005	10/5/2021	E300.1	L1414548-06	Chlorate		U	0.415	0.715	mg/kg	UJ	nd,m	MS/MSD %R	72.2,75.9	85-115	%
L1414548	NERT5.63S-90.0-20211006-FD	10/6/2021	E300.1	L1414548-19	Chlorate		U	0.418	0.720	mg/kg	UJ	nd,m	MS/MSD %R	72.2,75.9	85-115	%
L1418229	NERT6.21N-90.0-20211012-FD	10/12/2021	E300.1	L1418229-10	Chlorate		U	0.418	0.721	mg/kg	UJ	nd,m	MS/MSD %R	72.8,77.3	85-115	%
L1417036	NERT5.20S-70.0-20211011	10/11/2021	E300.1	L1417036-22	Chlorate	3.52		0.422	0.727	mg/kg	J-	m	MS/MSD %R	80.1,78.1	85-115	%
L1414548	NERT5.63S-60.0-20211006	10/6/2021	E300.1	L1414548-15	Chlorate		U	0.427	0.736	mg/kg	UJ	nd,m	MS/MSD %R	72.2,75.9	85-115	%
L1416077	TB-H1-70.0-20211007	10/7/2021	E300.1	L1416077-07	Chlorate		U	0.428	0.739	mg/kg	UJ	nd,m	MS/MSD %R	76.6,74.9	85-115	%
L1419214	NERT-FM01-90.0-20211014	10/14/2021	E300.1	L1419214-09	Chlorate		U	0.429	0.739	mg/kg	UJ	nd,m	MS/MSD %R	74.4,70.8	85-115	%
L1418229	NERT6.21N-60.0-20211012	10/12/2021	E300.1	L1418229-06	Chlorate		U	0.437	0.753	mg/kg	UJ	nd,m	MS/MSD %R	72.8,77.3	85-115	%
L1419203	TB-H6-70.0-20211012	10/12/2021	E300.1	L1419203-07	Chlorate		U	0.441	0.761	mg/kg	UJ	nd,m	MS/MSD %R	72.8,77.3	85-115	%
L1419209	TB-I1-30.0-20211013	10/13/2021	E300.1	L1419209-03	Chlorate	1.76		0.448	0.773	mg/kg	J-	m	MS/MSD %R	79,76.1	85-115	%
L1419210	TB-I2-20.0-20211013	10/13/2021	E300.1	L1419210-02	Chlorate	1.69		0.459	0.791	mg/kg	J-	m	MS/MSD %R	79,76.1	85-115	%
L1418229	NERT6.21N-70.0-20211012	10/12/2021	E300.1	L1418229-07	Chlorate		U	0.466	0.803	mg/kg	UJ	nd,m	MS/MSD %R	72.8,77.3	85-115	%
L1419210	TB-I2-30.0-20211013	10/13/2021	E300.1	L1419210-03	Chlorate	2.16		0.467	0.804	mg/kg	J-	m	MS/MSD %R	79,76.1	85-115	%
L1420407	MCF-28A-20211020	10/20/2021	SW8260B	L1420407-02	4-Methyl-2-pentanone	0.519	J	0.478	10.0	ug/l	J	sp	<PQL			
L1414932	PC-82-20211007	10/7/2021	SW8260B	L1414932-90	1,2,4-Trichlorobenzene	0.581	J	0.481	1.00	ug/l	J	sp	<PQL			
L1416883	ES-55B-20211012-TB	10/12/2021	SW8260B	L1416883-100	1,2,4-Trichlorobenzene	0.682	J	0.481	1.00	ug/l	J	sp	<PQL			
L1449351	PC-205A-20220110	1/10/2022	SW8260B	L1449351-01	1,2,4-Trichlorobenzene	0.611	J	0.481	1.00	ug/l	J	sp	<PQL			
L1414548	NERT5.98S-70.0-20211005	10/5/2021	E300.1	L1414548-07	Chlorate	19.2	J6	0.504	0.869	mg/kg	J-	m	MS/MSD %R	72.2,75.9	85-115	%
L1414548	NERT5.63S-70.0-20211006	10/6/2021	E300.1	L1414548-16	Chlorate		U	0.521	0.898	mg/kg	UJ	nd,m	MS/MSD %R	72.2,75.9	85-115	%
L1414445	PC-205A-0.0-20211005	10/5/2021	SW9056A	L1414445-04	Nitrate as N	18.4	J6	0.586	10.5	mg/kg	J-	m	MS/MSD %R	72.2,-	80-120	%
L1414445	PC-205A-5.0-20211005	10/5/2021	SW9056A	L1414445-05	Nitrate as N		U	0.589	10.6	mg/kg	UJ	nd,m	MS/MSD %R	72.2,-	80-120	%
L1414445	PC-205-0.0-20211005	10/5/2021	SW9056A	L1414445-01	Nitrate as N	21.2		0.593	10.7	mg/kg	J-	m	MS/MSD %R	72.2,-	80-120	%
L1414445	PC-205B-0.0-20211005	10/5/2021	SW9056A	L1414445-07	Nitrate as N	11.3		0.599	10.7	mg/kg	J-	m	MS/MSD %R	72.2,-	80-120	%
L1414445	PC-205B-5.0-20211005	10/5/2021	SW9056A	L1414445-08	Nitrate as N		U	0.623	11.2	mg/kg	UJ	nd,m	MS/MSD %R	72.2,-	80-120	%
L1414445	PC-205-9.5-20211005	10/5/2021	SW9056A	L1414445-03	Nitrate as N		U	0.636	11.4	mg/kg	UJ	nd,m	MS/MSD %R	72.2,-	80-120	%
L1414445	PC-205B-9.5-20211005	10/5/2021	SW9056A	L1414445-09	Nitrate as N		U	0.644	11.6	mg/kg	UJ	nd,m	MS/MSD %R	72.2,-	80-120	%
L1414445	PC-205A-9.5-20211005	10/5/2021	SW9056A	L1414445-06	Nitrate as N		U	0.645	11.6	mg/kg	UJ	nd,m	MS/MSD %R	72.2,-	80-120	%

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Laboratory Sample ID	Analyte	Lab Results	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator	Qualification Finding	Acceptance Criteria	
L1414445	PC-205-5.0-20211005	10/5/2021	SW9056A	L1414445-02	Nitrate as N	3.31	J	0.656	11.8	mg/kg	J-	sp,m	<PQL, MS/MSD %R	72.2,-	80-120	%
L1414445	PC-205A-9.5-20211005-FD	10/5/2021	SW9056A	L1414445-10	Nitrate as N		U	0.660	11.9	mg/kg	UJ	nd,m	MS/MSD %R	72.2,-	80-120	%
L1416883	ES-55B-20211012	10/12/2021	SW8260B	L1416883-98	Acrylonitrile		U J3 J4	0.671	10.0	ug/l	UJ	l,nd	LCS %R	44.4,-	55-149	%
L1416362	PC-90-20211011-EB	10/11/2021	E200.7	L1416362-94	Strontium	2.23	B J	0.683	10.0	ug/l	J	sp,bl,ba	<PQL, Blank Contamination > PQL	2.23000	2.23	ug/l
L1414236	PC-58-20211006-EB	10/6/2021	E200.7	L1414236-90	Strontium	0.712	J	0.683	10.0	ug/l	J	sp	<PQL			
L1418041	WMW6.15N-20211014-EB	10/14/2021	E200.7	L1418041-87	Strontium	6.48	J	0.683	10.0	ug/l	J	sp	<PQL			
L1414445	PC-205B-0.0-20211005	10/5/2021	SW7196A	L1414445-07	Chromium VI		U	0.688	2.15	mg/kg	UJ	nd,m	MS/MSD %R	48,58.1	75-125	%
L1414445	PC-205B-5.0-20211005	10/5/2021	SW7196A	L1414445-08	Chromium VI		U J6	0.716	2.24	mg/kg	UJ	nd,m	MS/MSD %R	48,58.1	75-125	%
L1414445	PC-205B-9.5-20211005	10/5/2021	SW7196A	L1414445-09	Chromium VI		U	0.740	2.31	mg/kg	UJ	nd,m	MS/MSD %R	48,58.1	75-125	%
L1414445	PC-205A-9.5-20211005	10/5/2021	SW7196A	L1414445-06	Chromium VI		U	0.742	2.32	mg/kg	UJ	nd,m	MS/MSD %R	48,58.1	75-125	%
L1414445	PC-205A-9.5-20211005-FD	10/5/2021	SW7196A	L1414445-10	Chromium VI		U	0.759	2.37	mg/kg	UJ	nd,m	MS/MSD %R	48,58.1	75-125	%
L1416362	PC-198-20211011	10/11/2021	E200.7	L1416362-88	Manganese	2.30	B J	0.855	10.0	ug/l	J	sp,bl,ba	<PQL, Blank Contamination > PQL	2.30000	2.30	ug/l
L1416362	PC-198-20211011-FD	10/11/2021	E200.7	L1416362-90	Manganese	2.24	B J	0.855	10.0	ug/l	J	sp,bl,ba	<PQL, Blank Contamination > PQL	2.24000	2.24	ug/l
L1413601	PC-2-20211005	10/5/2021	E200.7	L1413601-03	Manganese	1.12	J	0.855	10.0	ug/l	J	sp	<PQL			
L1413601	PC-53-20211005	10/5/2021	E200.7	L1413601-02	Manganese	1.03	J	0.855	10.0	ug/l	J	sp	<PQL			
L1414236	PC-58-20211006	10/6/2021	E200.7	L1414236-87	Manganese	3.47	J	0.855	10.0	ug/l	J	sp	<PQL			
L1416883	ES-55C-20211012	10/12/2021	E200.7	L1416883-96	Manganese	6.93	J	0.855	10.0	ug/l	J	sp	<PQL			
L1416883	PC-74-20211012	10/12/2021	E200.7	L1416883-94	Manganese	2.57	J	0.855	10.0	ug/l	J	sp	<PQL			
L1416883	PMW-8-20211012	10/12/2021	E200.7	L1416883-89	Manganese	1.20	J	0.855	10.0	ug/l	J	sp	<PQL			
L1416883	RIT-10-20211012	10/12/2021	E200.7	L1416883-88	Manganese	1.29	J	0.855	10.0	ug/l	J	sp	<PQL			
L1417492	PC-103-20211013	10/13/2021	E200.7	L1417492-88	Manganese	9.01	J	0.855	10.0	ug/l	J	sp	<PQL			
L1417492	PC-191-20211013	10/13/2021	E200.7	L1417492-01	Manganese	1.04	J	0.855	10.0	ug/l	J	sp	<PQL			
L1418041	WMW6.9N-20211014	10/14/2021	E200.7	L1418041-90	Manganese	2.08	J	0.855	10.0	ug/l	J	sp	<PQL			
L1416883	ES-55C-20211012	10/12/2021	SW8260B	L1416883-96	Chloroform	251	Q	1.11	50.0	ug/l	J	h,s	Holding Time, Surrogate %R	16; 162	14; 80-120	Days,%
L1420407	MCF-28A-20211020	10/20/2021	SW8260B	L1420407-02	2-Butanone	5.42	J	1.19	10.0	ug/l	J	sp	<PQL			
L1413601	PC-53-20211005	10/5/2021	SW7199	L1413601-02	Chromium VI	122		1.50	5.00	ug/l	J-	m	MS/MSD %R	79.4,-	90-110	%
L1450402	ES-54-20220112	1/12/2022	SW7199	L1450402-03	Chromium VI	995	Q	1.50	20.0	ug/l	J-	h	Holding Times	35	24	hours
L1414932	PC-83-20211007	10/7/2021	E314.0	L1414932-91	Perchlorate	17.0	J	1.50	5.00	ug/l	J	sp	<PQL			
L1450402	FM-02A-20220112	1/12/2022	E314.0	L1450402-01	Perchlorate	8.29	J	1.50	20.0	ug/l	J	sp	<PQL			
L1416362	PC-199-20211011	10/11/2021	E200.7	L1416362-89	Chromium (total)	2.32	B J	1.63	10.0	ug/l	J	sp,bl,bb	<PQL, Blank Contamination < PQL	2.32000	2.32	ug/l
L1416362	PC-94-20211011	10/11/2021	E200.7	L1416362-92	Chromium (total)	1.86	B J	1.63	10.0	ug/l	J	sp,bl,bb	<PQL, Blank Contamination < PQL	1.86000	1.86	ug/l
L1416362	PC-198-20211011	10/11/2021	E200.7	L1416362-88	Chromium (total)	2.37	B J	1.63	10.0	ug/l	J	sp,bl,bb	<PQL, Blank Contamination < PQL	2.37000	2.37	ug/l
L1416362	PC-198-20211011-FD	10/11/2021	E200.7	L1416362-90	Chromium (total)	2.14	B J	1.63	10.0	ug/l	J	sp,bl,bb	<PQL, Blank Contamination < PQL	2.14000	2.14	ug/l
L1413601	PC-2-20211005	10/5/2021	E200.7	L1413601-03	Chromium (total)	4.44	J	1.63	10.0	ug/l	J	sp	<PQL			
L1414236	PC-56-20211006	10/6/2021	E200.7	L1414236-88	Chromium (total)	3.86	J	1.63	10.0	ug/l	J	sp	<PQL			
L1414236	PC-56-20211006-FD	10/6/2021	E200.7	L1414236-89	Chromium (total)	4.44	J	1.63	10.0	ug/l	J	sp	<PQL			
L1416883	PMW-8-20211012	10/12/2021	E200.7	L1416883-89	Chromium (total)	3.68	J	1.63	10.0	ug/l	J	sp	<PQL			
L1417492	MWK5-20211013	10/13/2021	E200.7	L1417492-89	Chromium (total)	4.83	J	1.63	10.0	ug/l	J	sp	<PQL			
L1417492	PC-98R-20211013	10/13/2021	E200.7	L1417492-87	Chromium (total)	2.64	J	1.63	10.0	ug/l	J	sp	<PQL			
L1418041	WMW6.15N-20211014	10/14/2021	E200.7	L1418041-88	Chromium (total)	1.81	J	1.63	10.0	ug/l	J	sp	<PQL			
L1418050	LVWPS-MW109-20211014	10/14/2021	E200.7	L1418050-01	Chromium (total)	2.97	J	1.63	10.0	ug/l	J	sp	<PQL			
L1418050	NERT5.91S1-20211014	10/14/2021	E200.7	333	Chromium (total)	1.75	J	1.63	10.0	ug/l	J	sp	<PQL			
L1418050	WMW4.9N-20211014	10/14/2021	E200.7	335	Chromium (total)	1.85	J	1.63	10.0	ug/l	J	sp	<PQL			

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Laboratory Sample ID	Analyte	Lab Results	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator	Qualification Finding	Acceptance Criteria	
L1418554	LVWPS-MW203C-20211015	10/15/2021	E200.7	330	Chromium (total)	2.66	J	1.63	10.0	ug/l	J	sp	<PQL			
L1418554	LVWPS-MW226B-20211015	10/15/2021	E200.7	339	Chromium (total)	2.74	J	1.63	10.0	ug/l	J	sp	<PQL			
L1418554	WMW5.5S-20211015	10/15/2021	E200.7	334	Chromium (total)	9.68	J	1.63	10.0	ug/l	J	sp	<PQL			
L1419366	LVWPS-MW108A-20211018	10/18/2021	E200.7	333	Chromium (total)	1.81	J	1.63	10.0	ug/l	J	sp	<PQL			
L1419366	LVWPS-MW111B-20211018	10/18/2021	E200.7	L1419366-01	Chromium (total)	8.28	J	1.63	10.0	ug/l	J	sp	<PQL			
L1419830	LVWPS-MW205C-20211019	10/19/2021	E200.7	L1419830-13	Chromium (total)	3.42	J	1.63	10.0	ug/l	J	sp	<PQL			
L1419830	LVWPS-MW218B-20211019	10/19/2021	E200.7	L1419830-15	Chromium (total)	8.65	J	1.63	10.0	ug/l	J	sp	<PQL			
L1420412	LVWPS-MW204C-20211020	10/20/2021	E200.7	L1420412-08	Chromium (total)	4.16	J	1.63	10.0	ug/l	J	sp	<PQL			
L1420412	LVWPS-MW211-20211020	10/20/2021	E200.7	L1420412-05	Chromium (total)	4.09	J	1.63	10.0	ug/l	J	sp	<PQL			
L1421039	LVWPS-MW215B-20211021	10/21/2021	E200.7	L1421039-16	Chromium (total)	9.35	J	1.63	10.0	ug/l	J	sp	<PQL			
L1421565	LVWPS-MW206E-20211022	10/22/2021	E200.7	L1421565-01	Chromium (total)	2.26	J	1.63	10.0	ug/l	J	sp	<PQL			
L1425080	DBMW-22-20211101	11/1/2021	E200.7	L1425080-12	Chromium (total)	7.48	J	1.63	10.0	ug/l	J	sp	<PQL			
L1425080	ES-25B-20211101	11/1/2021	E200.7	L1425080-18	Chromium (total)	2.54	J	1.63	10.0	ug/l	J	sp	<PQL			
L1425080	ES-46-20211101	11/1/2021	E200.7	L1425080-09	Chromium (total)	2.50	J	1.63	10.0	ug/l	J	sp	<PQL			
L1425080	ES-48-20211101	11/1/2021	E200.7	L1425080-07	Chromium (total)	5.41	J	1.63	10.0	ug/l	J	sp	<PQL			
L1425080	ES-49-20211101	11/1/2021	E200.7	L1425080-06	Chromium (total)	4.23	J	1.63	10.0	ug/l	J	sp	<PQL			
L1425080	ES-51-20211101	11/1/2021	E200.7	L1425080-04	Chromium (total)	9.99	J	1.63	10.0	ug/l	J	sp	<PQL			
L1425080	ES-52-20211101	11/1/2021	E200.7	L1425080-05	Chromium (total)	9.91	J	1.63	10.0	ug/l	J	sp	<PQL			
L1425080	LVWPS-MW208A-20211101	11/1/2021	E200.7	L1425080-17	Chromium (total)	8.90	J	1.63	10.0	ug/l	J	sp	<PQL			
L1425080	LVWPS-MW223A-20211101	11/1/2021	E200.7	L1425080-16	Chromium (total)	5.02	J	1.63	10.0	ug/l	J	sp	<PQL			
L1425080	LVWPS-MW223B-20211101	11/1/2021	E200.7	L1425080-15	Chromium (total)	2.60	J	1.63	10.0	ug/l	J	sp	<PQL			
L1425080	LVWPS-MW223C-20211101	11/1/2021	E200.7	L1425080-14	Chromium (total)	4.78	J	1.63	10.0	ug/l	J	sp	<PQL			
L1425714	LNDMW-2-20211102	11/2/2021	E200.7	L1425714-13	Chromium (total)	3.63	J	1.63	10.0	ug/l	J	sp	<PQL			
L1425714	NERT4.51S1-20211102	11/2/2021	E200.7	L1425714-07	Chromium (total)	8.85	J	1.63	10.0	ug/l	J	sp	<PQL			
L1426343	LVWPS-MW224B-20211103	11/3/2021	E200.7	L1426343-10	Chromium (total)	4.26	J	1.63	10.0	ug/l	J	sp	<PQL			
L1426343	MW-02-20211103	11/3/2021	E200.7	L1426343-08	Chromium (total)	9.71	J	1.63	10.0	ug/l	J	sp	<PQL			
L1426982	NERT3.58S1-20211104	11/4/2021	E200.7	L1426982-11	Chromium (total)	2.36	J	1.63	10.0	ug/l	J	sp	<PQL			
L1426982	NERT3.60S1-20211104	11/4/2021	E200.7	L1426982-12	Chromium (total)	6.72	J	1.63	10.0	ug/l	J	sp	<PQL			
L1426982	NERT3.63S1-20211104	11/4/2021	E200.7	L1426982-13	Chromium (total)	6.72	J	1.63	10.0	ug/l	J	sp	<PQL			
L1426982	WMW3.5S-20211104	11/4/2021	E200.7	L1426982-06	Chromium (total)	3.35	J	1.63	10.0	ug/l	J	sp	<PQL			
L1426982	WMW3.5S-20211104-FD	11/4/2021	E200.7	L1426982-07	Chromium (total)	3.02	J	1.63	10.0	ug/l	J	sp	<PQL			
L1427569	LVWPS-MW208B-20211105	11/5/2021	E200.7	L1427569-11	Chromium (total)	3.46	J	1.63	10.0	ug/l	J	sp	<PQL			
L1427569	MW-12-20211105	11/5/2021	E200.7	L1427569-02	Chromium (total)	9.08	J	1.63	10.0	ug/l	J	sp	<PQL			
L1427569	WMW5.7S-20211105	11/5/2021	E200.7	L1427569-09	Chromium (total)	2.61	J	1.63	10.0	ug/l	J	sp	<PQL			
L1428279	ES-22A-20211108	11/8/2021	E200.7	L1428279-08	Chromium (total)	8.11	J	1.63	10.0	ug/l	J	sp	<PQL			
L1429196	MW-21R-20211110	11/10/2021	E200.7	L1429196-01	Chromium (total)	2.00	J	1.63	10.0	ug/l	J	sp	<PQL			
L1449352	NERT5.49S2-20220110	1/10/2022	E200.7	L1449352-11	Chromium (total)	2.12	J	1.63	10.0	ug/l	J	sp	<PQL			
L1449352	NERT5.91S2-20220110	1/10/2022	E200.7	L1449352-01	Chromium (total)	3.01	J	1.63	10.0	ug/l	J	sp	<PQL			
L1449987	NERT3.94N1-20220111	1/11/2022	E200.7	L1449987-16	Chromium (total)	6.81	J	1.63	10.0	ug/l	J	sp	<PQL			
L1449987	NERT4.29N2-20220111	1/11/2022	E200.7	L1449987-13	Chromium (total)	2.05	J	1.63	10.0	ug/l	J	sp	<PQL			
L1450402	FM-02A-20220112	1/12/2022	E200.7	L1450402-01	Chromium (total)	1.63	J	1.63	10.0	ug/l	J	sp	<PQL			
L1414445	PC-205A-0.0-20211005	10/5/2021	SW6010B	L1414445-04	Boron	19.5	J	1.76	21.1	mg/kg	J	sp	<PQL			
L1414445	PC-205A-5.0-20211005	10/5/2021	SW6010B	L1414445-05	Boron	5.97	J	1.77	21.1	mg/kg	J	sp	<PQL			

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Laboratory Sample ID	Analyte	Lab Results	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator	Qualification Finding	Acceptance Criteria	
L1414445	PC-205-0.0-20211005	10/5/2021	SW6010B	L1414445-01	Boron	17.9	J	1.78	21.3	mg/kg	J	sp	<PQL			
L1414445	PC-205B-0.0-20211005	10/5/2021	SW6010B	L1414445-07	Boron	20.3	J	1.79	21.5	mg/kg	J	sp	<PQL			
L1414445	PC-205B-5.0-20211005	10/5/2021	SW6010B	L1414445-08	Boron	14.2	J	1.87	22.4	mg/kg	J	sp	<PQL			
L1414445	PC-205-5.0-20211005	10/5/2021	SW6010B	L1414445-02	Boron	18.0	J	1.97	23.6	mg/kg	J	sp	<PQL			
L1421039	NERT5.11S1-20211021-EB	10/21/2021	SM2540C	L1421039-09	Dissolved Solids (total)	11000	P1	10000	10000	ug/l	J	ld	DUP RPD	20.9;15.1	≤5	%
L1418050	ZTS-MW115-20211014	10/14/2021	SM2540C	328	Dissolved Solids (total)	5270000		100000	100000	ug/l	J	fd	FD RPD	61.00000	≤30	%
L1418050	ZTS-MW115-20211014-FD	10/14/2021	SM2540C	329	Dissolved Solids (total)	2810000		100000	100000	ug/l	J	fd	FD RPD	61.00000	≤30	%
L1425714	NERT3.58N1-20211102	11/2/2021	SM2540C	L1425714-08	Dissolved Solids (total)	4670000		100000	100000	ug/l	J	ld	DUP RPD	20.9;15.1	≤5	%
L1425714	NERT3.58N1-20211102-FD	11/2/2021	SM2540C	L1425714-14	Dissolved Solids (total)	3460000		100000	100000	ug/l	J	ld	DUP RPD	20.9;15.1	≤5	%
L1425714	NERT3.60N1-20211102	11/2/2021	SM2540C	L1425714-09	Dissolved Solids (total)	4720000		100000	100000	ug/l	J	ld	DUP RPD	20.9;15.1	≤5	%
L1425714	WMW3.5N-20211102	11/2/2021	SM2540C	L1425714-10	Dissolved Solids (total)	4080000		100000	100000	ug/l	J	ld	DUP RPD	20.9;15.1	≤5	%
L1421039	MCF-30A-20211021	10/21/2021	E200.7	L1421039-01	Iron	2670	J	1020	5000	ug/l	J	sp	<PQL			
L1421039	MCF-30B-20211021	10/21/2021	E200.7	L1421039-02	Iron	1340	J	1020	5000	ug/l	J	sp	<PQL			
L1421039	MCF-31A-20211021	10/21/2021	E200.7	L1421039-03	Iron	1980	J	1020	5000	ug/l	J	sp	<PQL			
L1421039	MCF-31B-20211021	10/21/2021	E200.7	L1421039-04	Iron	1190	J	1020	5000	ug/l	J	sp	<PQL			
L1420412	MCF-29B-20211020	10/20/2021	E200.7	L1420412-10	Iron	1980	J	1020	5000	ug/l	J	sp	<PQL			
L1416362	PC-90-20211011-EB	10/11/2021	SW8260B	L1416362-94	Acetone	12.6	J	11.3	50.0	ug/l	J	sp	<PQL			
L1420407	MCF-28A-20211020	10/20/2021	SW8260B	L1420407-02	Acetone	33.0	J	11.3	50.0	ug/l	J	sp	<PQL			
L1414236	PC-58-20211006-EB	10/6/2021	E200.7	L1414236-90	Magnesium	125	J	115	1000	ug/l	J	sp	<PQL			
L1416362	PC-90-20211011-EB	10/11/2021	E200.7	L1416362-94	Magnesium	123	J	115	1000	ug/l	J	sp	<PQL			
L1418041	WMW6.15N-20211014-EB	10/14/2021	E200.7	L1418041-87	Magnesium	276	J	115	1000	ug/l	J	sp	<PQL			
L1418050	LVWPS-MW110-20211014-EB	10/14/2021	E200.7	331	Magnesium	481	J	115	1000	ug/l	J	sp	<PQL			
L1419830	LVWPS-MW107C-20211019-EB	10/19/2021	E200.7	L1419830-02	Magnesium	473	J	115	1000	ug/l	J	sp	<PQL			
L1421039	NERT5.11S1-20211021-EB	10/21/2021	E200.7	L1421039-09	Magnesium	127	J	115	1000	ug/l	J	sp	<PQL			
L1421565	LVWPS-MW206A-20211022-EB	10/22/2021	E200.7	L1421565-16	Magnesium	263	J	115	1000	ug/l	J	sp	<PQL			
L1425714	NERT3.60N1-20211102-EB	11/2/2021	E200.7	L1425714-15	Magnesium	265	J	115	1000	ug/l	J	sp	<PQL			
L1426982	NERT3.35S1-20211104-EB	11/4/2021	E200.7	L1426982-09	Magnesium	265	J	115	1000	ug/l	J	sp	<PQL			
L1429196	MW-21R-20211110-EB	11/10/2021	E200.7	L1429196-02	Magnesium	261	J	115	1000	ug/l	J	sp	<PQL			
L1449352	NERT5.98S1-20220110-EB	1/10/2022	E200.7	L1449352-08	Magnesium	176	J	115	1000	ug/l	J	sp	<PQL			
L1421039	NERT5.11S1-20211021	10/21/2021	E200.7	L1421039-07	Potassium	53700		1560	5000	ug/l	J+	be,ba	EB Contamination > PQL	53700	53700	ug/l
L1421039	NERT5.11S1-20211021-FD	10/21/2021	E200.7	L1421039-08	Potassium	56000		1560	5000	ug/l	J+	be,ba	EB Contamination > PQL	56000	56000	ug/l
L1417492	COH-2B1-20211013	10/13/2021	E300.0	L1417492-91	Bromide		U	17600	50000	ug/l	UJ	nd,m	MS %R	74.1	80-120	%
L1417492	MWK5-20211013	10/13/2021	E300.0	L1417492-89	Bromide		U	17600	50000	ug/l	UJ	nd,m	MS %R	74.1	80-120	%
L1426982	WMW3.5S-20211104-FD	11/4/2021	E300.0	L1426982-07	Chloride	394000	J3	19000	50000	ug/l	J	ld	DUP RPD	42.1	≤20	%
L1418041	WMW6.15N-20211014	10/14/2021	SW8260B	L1418041-88	Acrolein		U J4	2.54	50.0	ug/l	R	l,nd	LCS %R	6.52	10-160	%
L1418041	WMW6.15N-20211014-EB	10/14/2021	SW8260B	L1418041-87	Acrolein		U J4	2.54	50.0	ug/l	R	l,nd	LCS %R	6.52	10-160	%
L1418041	WMW6.15N-20211014-FD	10/14/2021	SW8260B	L1418041-89	Acrolein		U J4	2.54	50.0	ug/l	R	l,nd	LCS %R	6.52	10-160	%
L1418041	WMW6.15N-20211014-TB	10/14/2021	SW8260B	L1418041-01	Acrolein		U J4	2.54	50.0	ug/l	R	l,nd	LCS %R	6.52	10-160	%
L1418041	WMW6.9N-20211014	10/14/2021	SW8260B	L1418041-90	Acrolein		U J4	2.54	50.0	ug/l	R	l,nd	LCS %R	6.52	10-160	%
L1416362	PC-94-20211011	10/11/2021	E200.7	L1416362-92	Iron	24.3	B J	20.5	100	ug/l	J	sp,bl,bb	<PQL, Blank Contamination < PQL	24.3	24.3	ug/l
L1416362	PC-97-20211011	10/11/2021	E200.7	L1416362-87	Iron	22.5	B J	20.5	100	ug/l	J	sp,bl,bb	<PQL, Blank Contamination < PQL	22.5	22.5	ug/l
L1413601	PC-53-20211005	10/5/2021	E200.7	L1413601-02	Iron	33.4	J	20.5	100	ug/l	J	sp	<PQL			
L1414236	PC-58-20211006	10/6/2021	E200.7	L1414236-87	Iron	27.0	J	20.5	100	ug/l	J	sp	<PQL			

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L1414236	PC-59-20211006	10/6/2021	E200.7	L1414236-92	Iron	36.9	J	20.5	100	ug/l	J	sp	<PQL			
L1415470	PC-156A-20211008	10/8/2021	E200.7	L1415470-92	Iron	58.5	J	20.5	100	ug/l	J	sp	<PQL			%
L1416362	PC-96-20211011	10/11/2021	E200.7	L1416362-97	Iron	25.1	J	20.5	100	ug/l	J	sp	<PQL			
L1416883	PC-76-20211012	10/12/2021	E200.7	L1416883-95	Iron	60.6	J	20.5	100	ug/l	J	sp	<PQL			
L1418050	LVWPS-MW110-20211014	10/14/2021	E200.7	330	Iron	24.0	J	20.5	100	ug/l	J	sp	<PQL			
L1418554	LVWPS-MW201B-20211015	10/15/2021	E200.7	333	Iron	24.1	J	20.5	100	ug/l	J	sp	<PQL			
L1419366	LVWPS-MW111B-20211018	10/18/2021	E200.7	L1419366-01	Iron	26.5	J	20.5	100	ug/l	J	sp	<PQL			
L1419830	ES-56C-20211019	10/19/2021	E200.7	L1419830-06	Iron	38.4	J	20.5	100	ug/l	J	sp	<PQL			
L1419830	LVWPS-MW107B-20211019	10/19/2021	E200.7	L1419830-03	Iron	45.0	J	20.5	100	ug/l	J	sp	<PQL			
L1425080	ES-25A-20211101	11/1/2021	E200.7	L1425080-19	Iron	45.8	J	20.5	100	ug/l	J	sp	<PQL			
L1425080	LVWPS-MW223B-20211101	11/1/2021	E200.7	L1425080-15	Iron	81.6	J	20.5	100	ug/l	J	sp	<PQL			
L1426343	LVWPS-MW219C-20211103	11/3/2021	E200.7	L1426343-14	Iron	25.9	J	20.5	100	ug/l	J	sp	<PQL			
L1426343	WMW5.7N-20211103	11/3/2021	E200.7	L1426343-05	Iron	24.7	J	20.5	100	ug/l	J	sp	<PQL			
L1428279	ES-23A-20211108-FD	11/8/2021	E200.7	L1428279-04	Iron	58.1	J	20.5	100	ug/l	J	sp	<PQL			
L1428753	MW-2-20211109	11/9/2021	E200.7	L1428753-02	Iron	25.3	J	20.5	100	ug/l	J	sp	<PQL			
L1428753	MW-4-20211109	11/9/2021	E200.7	L1428753-03	Iron	21.2	J	20.5	100	ug/l	J	sp	<PQL			
L1429196	MW-20-20211110	11/10/2021	E200.7	L1429196-04	Iron	34.1	J	20.5	100	ug/l	J	sp	<PQL			
L1449352	NERT5.49S2-20220110	1/10/2022	E200.7	L1449352-11	Iron	45.4	J	20.5	100	ug/l	J	sp	<PQL			
L1449352	NERT5.63S3-20220110	1/10/2022	E200.7	L1449352-05	Iron	43.5	J	20.5	100	ug/l	J	sp	<PQL			
L1449987	ES-57A-20220111	1/11/2022	E200.7	L1449987-06	Iron	30.6	J	20.5	100	ug/l	J	sp	<PQL			
L1449987	ES-57B-20220111	1/11/2022	E200.7	L1449987-07	Iron	22.6	J	20.5	100	ug/l	J	sp	<PQL			
L1449987	NERT5.83N1-20220111	1/11/2022	E200.7	L1449987-11	Iron	54.6	J	20.5	100	ug/l	J	sp	<PQL			
L1418041	WMW6.9N-20211014	10/14/2021	SM2540C	L1418041-90	Dissolved Solids (total)	1620000	Q	20000	20000	ug/l	J-	h	Holding Times	12	7	Days
L1419366	LVWPS-MW108C-20211018	10/18/2021	E200.7	335	Iron	286	J	205	1000	ug/l	J	sp	<PQL			
L1416883	PC-74-20211012	10/12/2021	E300.1	L1416883-94	Chlorate	35.9	J	24.0	50.0	ug/l	J	sp	<PQL			
L1418041	WMW6.15N-20211014-EB	10/14/2021	E300.1	L1418041-87	Chlorate	33.4	J	24.0	50.0	ug/l	J	sp	<PQL			
L1416362	PC-199-20211011	10/11/2021	E300.1	L1416362-89	Chlorate		U	24.0	50.0	ug/l	DNR	orr				
L1426982	LVWPS-MW225A-20211104	11/4/2021	E300.1	L1426982-02	Chlorate	3880	J5	240	500	ug/l	J+	m	MS/MSD %R	982, 977	75-125	%
L1450402	ES-53-20220112	1/12/2022	E300.1	L1450402-04	Chlorate	3600	J	2400	5000	ug/l	J	sp	<PQL			
L1425714	LVWPS-MW212B-20211102	11/2/2021	SM2540C	L1425714-02	Dissolved Solids (total)	2020000	J3	25000	25000	ug/l	J	ld	DUP RPD	20.9;15.1	≤5	%
L1416362	PC-198-20211011	10/11/2021	E314.0	L1416362-88	Perchlorate	111		3.00	40.0	ug/l	J	fd	FD RPD	31.00000	≤30	%
L1416362	PC-198-20211011-FD	10/11/2021	E314.0	L1416362-90	Perchlorate	152		3.00	40.0	ug/l	J	fd	FD RPD	31.00000	≤30	%
L1425080	ES-51-20211101	11/1/2021	E314.0	L1425080-04	Perchlorate	24.9	J	3.00	40.0	ug/l	J	sp	<PQL			
L1426343	WMW5.7N-20211103	11/3/2021	E314.0	L1426343-05	Perchlorate	21.4	J	3.00	40.0	ug/l	J	sp	<PQL			
L1414445	PC-205A-0.0-20211005	10/5/2021	SW9056A	L1414445-04	Bromide		U J3 J6	3.74	10.5	mg/kg	DNR	orr				
L1414445	PC-205A-5.0-20211005	10/5/2021	SW9056A	L1414445-05	Bromide		U	3.75	10.6	mg/kg	UJ	nd,m,ld	MS/MSD %R, RPD	51.1,36.1; 34.3	80-120; 15	%
L1414445	PC-205B-5.0-20211005	10/5/2021	SW9056A	L1414445-08	Bromide		U	3.97	11.2	mg/kg	UJ	nd,m,ld	MS/MSD %R, RPD	51.1,36.1; 34.3	80-120; 15	%
L1426343	LVWPS-MW224B-20211103	11/3/2021	E314.0	L1426343-10	Perchlorate	284	J	30.0	400	ug/l	J	sp	<PQL			
L1426343	MW-23-20211103	11/3/2021	E314.0	L1426343-07	Perchlorate	223	J	30.0	400	ug/l	J	sp	<PQL			
L1449987	ES-57B-20220111	1/11/2022	E314.0	L1449987-07	Perchlorate	187	J	30.0	400	ug/l	J	sp	<PQL			
L1414236	PC-58-20211006	10/6/2021	E200.7	L1414236-87	Potassium	35400		313	1000	ug/l	J+	be,ba	EB Contamination > PQL	35400	35400	ug/l
L1416362	PC-90-20211011	10/11/2021	E200.7	L1416362-93	Potassium	13400		313	1000	ug/l	J+	be,ba	EB Contamination > PQL	13400	13400	ug/l
L1418041	WMW6.15N-20211014	10/14/2021	E200.7	L1418041-88	Potassium	48800		313	1000	ug/l	J+	be,ba	EB Contamination > PQL	48800	48800	ug/l

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Laboratory Sample ID	Analyte	Lab Results	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator	Qualification Finding	Acceptance Criteria	
L1418041	WMW6.15N-20211014-FD	10/14/2021	E200.7	L1418041-89	Potassium	50000		313	1000	ug/l	J+	be,ba	EB Contamination > PQL	50000	50000	ug/l
L1425714	NERT3.60N1-20211102-EB	11/2/2021	E200.7	L1425714-15	Potassium	374	J	313	1000	ug/l	J	sp	<PQL			
L1426982	NERT3.35S1-20211104-EB	11/4/2021	E200.7	L1426982-09	Potassium	588	J	313	1000	ug/l	J	sp	<PQL			
L1420407	MCF-28B-20211020	10/20/2021	E200.7	L1420407-03	Arsenic	47.5	J	32.2	50.0	ug/l	J	sp	<PQL			
L1414236	PC-201-20211006	10/6/2021	E300.0	L1414236-01	Bromide		U J6	353	1000	ug/l	UJ	nd,m	MS %R	70.5	80-120	%
L1414236	PC-56-20211006	10/6/2021	E300.0	L1414236-88	Bromide		U	353	1000	ug/l	UJ	nd,m	MS %R	70.5	80-120	%
L1414236	PC-56-20211006-FD	10/6/2021	E300.0	L1414236-89	Bromide		U	353	1000	ug/l	UJ	nd,m	MS %R	70.5	80-120	%
L1414236	PC-58-20211006	10/6/2021	E300.0	L1414236-87	Bromide		U	353	1000	ug/l	UJ	nd,m	MS %R	70.5	80-120	%
L1414236	PC-58-20211006-EB	10/6/2021	E300.0	L1414236-90	Bromide		U	353	1000	ug/l	DNR	orr				
L1414932	PC-79-20211007	10/7/2021	E300.0	L1414932-87	Bromide		U J6	353	1000	ug/l	DNR	orr				
L1415470	PC-156B-20211008	10/8/2021	E300.0	L1415470-91	Bromide		U J6	353	1000	ug/l	DNR	orr				
L1416883	WMW6.15S-20211012	10/12/2021	E300.0	L1416883-92	Bromide		U J6	353	1000	ug/l	DNR	orr				
L1417492	PC-103-20211013	10/13/2021	E300.0	L1417492-88	Bromide		U J6	353	1000	ug/l	UJ	nd,m	MS %R	74.1	80-120	%
L1418041	WMW6.9N-20211014	10/14/2021	E300.0	L1418041-90	Bromide		U J6	353	1000	ug/l	UJ	nd,m	MS/MSD %R	76.3,76.4	80-120	%
L1415470	PC-155A-20211008	10/8/2021	E300.0	L1415470-90	Bromide		U	3530	10000	ug/l	R	nd,m	MS %R	0	80-120	%
L1415470	PC-155B-20211008	10/8/2021	E300.0	L1415470-89	Bromide		U	3530	10000	ug/l	R	nd,m	MS %R	0	80-120	%
L1415470	PC-156A-20211008	10/8/2021	E300.0	L1415470-92	Bromide		U	3530	10000	ug/l	R	nd,m	MS %R	0	80-120	%
L1415470	PC-156B-20211008	10/8/2021	E300.0	L1415470-91	Bromide		U	3530	10000	ug/l	R	nd,m	MS %R	0	80-120	%
L1415470	PC-157A-20211008	10/8/2021	E300.0	L1415470-88	Bromide		U	3530	10000	ug/l	R	nd,m	MS %R	0	80-120	%
L1415470	PC-157B-20211008	10/8/2021	E300.0	L1415470-87	Bromide		U	3530	10000	ug/l	R	nd,m	MS %R	0	80-120	%
L1414932	PC-85-20211007	10/7/2021	E300.0	L1414932-94	Bromide		U	3530	10000	ug/l	DNR	orr				
L1416883	ES-55B-20211012	10/12/2021	E300.0	L1416883-98	Bromide		U	3530	10000	ug/l	R	nd,m	MS %R	0	80-120	%
L1416883	ES-55C-20211012	10/12/2021	E300.0	L1416883-96	Bromide		U	3530	10000	ug/l	R	nd,m	MS %R	0	80-120	%
L1416883	PC-203-20211012	10/12/2021	E300.0	L1416883-90	Bromide		U	3530	10000	ug/l	R	nd,m	MS %R	0	80-120	%
L1416883	PC-204-20211012	10/12/2021	E300.0	L1416883-91	Bromide		U	3530	10000	ug/l	R	nd,m	MS %R	0	80-120	%
L1416883	PC-74-20211012	10/12/2021	E300.0	L1416883-94	Bromide		U	3530	10000	ug/l	R	nd,m	MS %R	0	80-120	%
L1416883	PC-76-20211012	10/12/2021	E300.0	L1416883-95	Bromide		U	3530	10000	ug/l	R	nd,m	MS %R	0	80-120	%
L1416883	PC-77-20211012	10/12/2021	E300.0	L1416883-01	Bromide		U	3530	10000	ug/l	R	nd,m	MS %R	0	80-120	%
L1416883	PMW-8-20211012	10/12/2021	E300.0	L1416883-89	Bromide		U	3530	10000	ug/l	R	nd,m	MS %R	0	80-120	%
L1416883	RIT-10-20211012	10/12/2021	E300.0	L1416883-88	Bromide		U	3530	10000	ug/l	R	nd,m	MS %R	0	80-120	%
L1416883	WMW6.15S-20211012	10/12/2021	E300.0	L1416883-92	Bromide		U	3530	10000	ug/l	R	nd,m	MS %R	0	80-120	%
L1416883	WMW6.9S-20211012	10/12/2021	E300.0	L1416883-93	Bromide		U	3530	10000	ug/l	R	nd,m	MS %R	0	80-120	%
L1417492	PC-191-20211013	10/13/2021	E300.0	L1417492-01	Bromide		U	35300	100000	ug/l	UJ	nd,m	MS %R	74.1	80-120	%
L1417492	WMW6.55S-20211013	10/13/2021	E300.0	L1417492-90	Bromide		U	35300	100000	ug/l	UJ	nd,m	MS %R	74.1	80-120	%
L1418041	WMW6.15N-20211014	10/14/2021	E300.0	L1418041-88	Bromide		U	35300	100000	ug/l	UJ	nd,m	MS/MSD %R	76.3,76.4	80-120	%
L1418041	WMW6.15N-20211014-FD	10/14/2021	E300.0	L1418041-89	Bromide		U	35300	100000	ug/l	UJ	nd,m	MS/MSD %R	76.3,76.4	80-120	%
L1416362	PC-90-20211011-EB	10/11/2021	E300.0	L1416362-94	Chloride	626	J P1	379	1000	ug/l	J	sp	<PQL			
L1421565	LVWPS-MW206A-20211022-EB	10/22/2021	E300.0	L1421565-16	Chloride	474	J	379	1000	ug/l	J	sp	<PQL			
L1425080	ES-50-20211101-EB	11/1/2021	E300.0	L1425080-03	Chloride	567	J P1	379	1000	ug/l	J	sp	<PQL			
L1425714	NERT3.60N1-20211102-EB	11/2/2021	E300.0	L1425714-15	Chloride	452	J	379	1000	ug/l	J	sp	<PQL			
L1449987	NERT4.29N1-20220111-EB	1/11/2022	E300.0	L1449987-15	Chloride	487	J	379	1000	ug/l	J	sp	<PQL			
L1426982	NERT3.35S1-20211104-EB	11/4/2021	E300.0	L1426982-09	Chloride	479	B J	379	1000	ug/l	J	sp,bl,bb	<PQL, Blank Contamination < PQL	479	479	ug/l
L1414236	PC-58-20211006-EB	10/6/2021	E300.0	L1414236-90	Chloride	557000		3790	10000	ug/l	DNR	orr				

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L1426982	NERT3.58S1-20211104	11/4/2021	E300.0	L1426982-11	Chloride	428000		3790	10000	ug/l	J	ld	DUP RPD	42.1	≤20	%
L1426982	NERT3.60S1-20211104	11/4/2021	E300.0	L1426982-12	Chloride	464000		3790	10000	ug/l	J	ld	DUP RPD	42.1	≤20	%
L1426982	NERT3.63S1-20211104	11/4/2021	E300.0	L1426982-13	Chloride	458000		3790	10000	ug/l	J	ld	DUP RPD	42.1	≤20	%
L1426982	NERT3.80S1-20211104	11/4/2021	E300.0	L1426982-14	Chloride	503000		3790	10000	ug/l	J	ld	DUP RPD	42.1	≤20	%
L1426982	NERT3.98S1-20211104	11/4/2021	E300.0	L1426982-15	Chloride	733000		3790	10000	ug/l	J	ld	DUP RPD	42.1	≤20	%
L1426982	NERT3.35S1-20211104	11/4/2021	E300.0	L1426982-08	Chloride	1190000		37900	100000	ug/l	J	ld	DUP RPD	42.1	≤20	%
L1426982	NERT3.40S1-20211104	11/4/2021	E300.0	L1426982-10	Chloride	1800000		37900	100000	ug/l	J	ld	DUP RPD	42.1	≤20	%
L1420412	MCF-29A-20211020	10/20/2021	E300.0	L1420412-09	Chloride	0	E	379000	1000000	ug/l	DNR	orr				
L1414236	PC-58-20211006-EB	10/6/2021	E200.7	L1414236-90	Boron	78.6	J	39.6	200	ug/l	J	sp	<PQL			
L1416362	PC-90-20211011-EB	10/11/2021	E200.7	L1416362-94	Boron	96.1	J	39.6	200	ug/l	J	sp	<PQL			
L1418041	WMW6.15N-20211014-EB	10/14/2021	E200.7	L1418041-87	Boron	92.0	J	39.6	200	ug/l	J	sp	<PQL			
L1414445	PC-205-9.5-20211005	10/5/2021	SW9056A	L1414445-03	Bromide		U	4.06	11.4	mg/kg	UJ	nd,m,ld	MS/MSD %R, RPD	51.1,36.1; 34.3	80-120; 15	%
L1414445	PC-205B-9.5-20211005	10/5/2021	SW9056A	L1414445-09	Bromide		U	4.10	11.6	mg/kg	UJ	nd,m,ld	MS/MSD %R, RPD	51.1,36.1; 34.3	80-120; 15	%
L1414445	PC-205A-9.5-20211005	10/5/2021	SW9056A	L1414445-06	Bromide		U	4.11	11.6	mg/kg	UJ	nd,m,ld	MS/MSD %R, RPD	51.1,36.1; 34.3	80-120; 15	%
L1414445	PC-205A-9.5-20211005-FD	10/5/2021	SW9056A	L1414445-10	Bromide		U	4.21	11.9	mg/kg	UJ	nd,m,ld	MS/MSD %R, RPD	51.1,36.1; 34.3	80-120; 15	%
5501617541	M-103-20210412-FB	4/12/2021	E300.1	550-161754-3	Chlorate	6.0	J	4.9	20	ug/l	J	sp	<PQL			
L1419366	LVWPS-MW103B-20211018	10/18/2021	E200.7	L1419366-339	Iron	565	J	410	2000	ug/l	J	sp	<PQL			
L1416362	PC-90-20211011	10/11/2021	E300.0	L1416362-93	Nitrite as N		U T8	42.0	100	ug/l	UJ	nd,h	Holding Times	50	48	hours
L1416362	PC-97-20211011	10/11/2021	E300.0	L1416362-87	Nitrite as N		U T8	42.0	100	ug/l	UJ	nd,h	Holding Times	53	48	hours
L1414236	PC-59-20211006	10/6/2021	E300.0	L1414236-92	Nitrite as N	96.9	J	42.0	100	ug/l	J	sp	<PQL			
L1414236	PC-60-20211006	10/6/2021	E300.0	L1414236-91	Nitrite as N	82.3	J	42.0	100	ug/l	J	sp	<PQL			
L1414236	PC-68-20211006	10/6/2021	E300.0	L1414236-93	Nitrite as N	67.1	J	42.0	100	ug/l	J	sp	<PQL			
L1414236	PC-56-20211006	10/6/2021	E300.0	L1414236-88	Nitrite as N		U Q	42.0	100	ug/l	DNR	orr				
L1414236	PC-56-20211006-FD	10/6/2021	E300.0	L1414236-89	Nitrite as N		U Q	42.0	100	ug/l	DNR	orr				
L1414236	PC-58-20211006-EB	10/6/2021	E300.0	L1414236-90	Nitrite as N		U Q	42.0	100	ug/l	DNR	orr				
L1449351	PC-205B-20220110	1/10/2022	E300.0	L1449351-02	Nitrite as N	756	J	420	1000	ug/l	J	sp	<PQL			
L1449351	PC-205B-20220110-FD	1/10/2022	E300.0	L1449351-03	Nitrite as N	894	J	420	1000	ug/l	J	sp	<PQL			
L1449351	PC-94D-20220110	1/10/2022	E300.0	L1449351-06	Nitrite as N	791	J	420	1000	ug/l	J	sp	<PQL			
L1428279	AA-26-20211108-EB	11/8/2021	E200.7	L1428279-02	Sodium	677	J	444	1000	ug/l	J	sp	<PQL			
L1449987	NERT4.29N1-20220111-EB	1/11/2022	E200.7	L1449987-15	Sodium	765	J	444	1000	ug/l	J	sp	<PQL			
L1414236	PC-58-20211006-EB	10/6/2021	E200.7	L1414236-90	Calcium	102	J	47.3	1000	ug/l	J	sp	<PQL			
L1416362	PC-90-20211011-EB	10/11/2021	E200.7	L1416362-94	Calcium	173	J	47.3	1000	ug/l	J	sp	<PQL			
L1418041	WMW6.15N-20211014-EB	10/14/2021	E200.7	L1418041-87	Calcium	374	J	47.3	1000	ug/l	J	sp	<PQL			
L1418050	LVWPS-MW110-20211014-EB	10/14/2021	E200.7	331	Calcium	887	J	47.3	1000	ug/l	J	sp	<PQL			
L1419830	LVWPS-MW107C-20211019-EB	10/19/2021	E200.7	L1419830-02	Calcium	771	J	47.3	1000	ug/l	J	sp	<PQL			
L1421039	NERT5.11S1-20211021-EB	10/21/2021	E200.7	L1421039-09	Calcium	89.4	J	47.3	1000	ug/l	J	sp	<PQL			
L1421565	LVWPS-MW206A-20211022-EB	10/22/2021	E200.7	L1421565-16	Calcium	453	J	47.3	1000	ug/l	J	sp	<PQL			
L1425080	ES-50-20211101-EB	11/1/2021	E200.7	L1425080-03	Calcium	235	J	47.3	1000	ug/l	J	sp	<PQL			
L1425714	NERT3.60N1-20211102-EB	11/2/2021	E200.7	L1425714-15	Calcium	911	J	47.3	1000	ug/l	J	sp	<PQL			
L1426982	NERT3.35S1-20211104-EB	11/4/2021	E200.7	L1426982-09	Calcium	848	J	47.3	1000	ug/l	J	sp	<PQL			
L1428279	AA-26-20211108-EB	11/8/2021	E200.7	L1428279-02	Calcium	117	J	47.3	1000	ug/l	J	sp	<PQL			
L1429196	MW-21R-20211110-EB	11/10/2021	E200.7	L1429196-02	Calcium	273	J	47.3	1000	ug/l	J	sp	<PQL			
L1449352	NERT5.98S1-20220110-EB	1/10/2022	E200.7	L1449352-08	Calcium	620	J	47.3	1000	ug/l	J	sp	<PQL			

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Laboratory Sample ID	Analyte	Lab Results	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator	Qualification Finding	Acceptance Criteria	
L1449987	NERT4.29N1-20220111-EB	1/11/2022	E200.7	L1449987-15	Calcium	71.4	J	47.3	1000	ug/l	J	sp	<PQL			
L1416362	PC-90-20211011	10/11/2021	E300.0	L1416362-93	Nitrate as N	1160	T8	48.0	100	ug/l	J-	h	Holding Times	50	48	hours
L1416362	PC-97-20211011	10/11/2021	E300.0	L1416362-87	Nitrate as N	240	T8	48.0	100	ug/l	J-	h	Holding Times	53	48	hours
L1414932	PC-87-20211007	10/7/2021	E300.0	L1414932-92	Nitrate as N	70.0	J	48.0	100	ug/l	J	sp	<PQL			
L1415470	PC-157A-20211008	10/8/2021	E300.0	L1415470-88	Nitrate as N	86.6	J	48.0	100	ug/l	J	sp	<PQL			
L1418041	WMW6.9N-20211014	10/14/2021	E300.0	L1418041-90	Nitrate as N	72.4	J	48.0	100	ug/l	J	sp	<PQL			
L1414236	PC-56-20211006	10/6/2021	E300.0	L1414236-88	Nitrate as N	4710	Q	48.0	100	ug/l	DNR	orr				
L1414236	PC-56-20211006-FD	10/6/2021	E300.0	L1414236-89	Nitrate as N	4720	Q	48.0	100	ug/l	DNR	orr				
L1414236	PC-58-20211006-EB	10/6/2021	E300.0	L1414236-90	Nitrate as N	4720	Q	48.0	100	ug/l	DNR	orr				
L1425714	NERT4.51S1-20211102	11/2/2021	E300.0	L1425714-07	Nitrate as N	11700	E	48.0	100	ug/l	DNR	orr				
L1429196	MW-21R-20211110-EB	11/10/2021	E300.0	L1429196-02	Nitrate as N	64.8	J	48.0	100	ug/l	J	sp	<PQL			
L1449352	NERT5.98S1-20220110-EB	1/10/2022	E300.0	L1449352-08	Nitrate as N	88.1	J	48.0	100	ug/l	J	sp	<PQL			
L1420412	LVWPS-MW209-20211020	10/20/2021	E300.0	L1420412-01	Nitrate as N	30600		480	1000	ug/l	J-	m	MS %R	0	80-120	%
L1420412	LVWPS-MW209A-20211020	10/20/2021	E300.0	L1420412-02	Nitrate as N	23800		480	1000	ug/l	J-	m	MS %R	0	80-120	%
L1420412	LVWPS-MW209B-20211020	10/20/2021	E300.0	L1420412-03	Nitrate as N	24200		480	1000	ug/l	J-	m	MS %R	0	80-120	%
L1420412	LVWPS-MW209C-20211020	10/20/2021	E300.0	L1420412-04	Nitrate as N	24200		480	1000	ug/l	J-	m	MS %R	0	80-120	%
L1420412	LVWPS-MW211-20211020	10/20/2021	E300.0	L1420412-05	Nitrate as N	13900		480	1000	ug/l	J-	m	MS %R	0	80-120	%
L1420412	LVWPS-MW213-20211020	10/20/2021	E300.0	L1420412-06	Nitrate as N	8950		480	1000	ug/l	J-	m	MS %R	0	80-120	%
L1420412	LVWPS-MW217C-20211020	10/20/2021	E300.0	L1420412-07	Nitrate as N	17100		480	1000	ug/l	J-	m	MS %R	0	80-120	%
L1420412	MCF-29A-20211020	10/20/2021	E300.0	L1420412-09	Nitrate as N		U J6	480	1000	ug/l	R	m	MS %R	0	80-120	%
L1449351	PC-205B-20220110	1/10/2022	E300.0	L1449351-02	Nitrate as N	836	J	480	1000	ug/l	J	sp	<PQL			
L1449351	PC-205B-20220110-FD	1/10/2022	E300.0	L1449351-03	Nitrate as N	612	J	480	1000	ug/l	J	sp	<PQL			
L1420412	LVWPS-MW204C-20211020	10/20/2021	E300.0	L1420412-08	Nitrate as N		U	4800	10000	ug/l	R	m	MS %R	0	80-120	%
L1420412	MCF-29B-20211020	10/20/2021	E300.0	L1420412-10	Nitrate as N		U	4800	10000	ug/l	R	m	MS %R	0	80-120	%
L1416883	PC-203-20211012	10/12/2021	SM2540C	L1416883-90	Dissolved Solids (total)	4400000	J3 Q	50000	50000	ug/l	J	h,ld	Holding Time, DUP RPD	10; 5.21	7; 5	Days,%
L1425714	LNDMW-2-20211102	11/2/2021	SM2540C	L1425714-13	Dissolved Solids (total)	1770000		50000	50000	ug/l	J	ld	DUP RPD	20.9;15.1	≤5	%
L1425714	LVWPS-MW212A-20211102	11/2/2021	SM2540C	L1425714-01	Dissolved Solids (total)	2250000	J3	50000	50000	ug/l	J	ld	DUP RPD	20.9;15.1	≤5	%
L1425714	LVWPS-MW212C-20211102	11/2/2021	SM2540C	L1425714-03	Dissolved Solids (total)	3700000		50000	50000	ug/l	J	ld	DUP RPD	20.9;15.1	≤5	%
L1425714	LVWPS-MW212D-20211102	11/2/2021	SM2540C	L1425714-04	Dissolved Solids (total)	4500000		50000	50000	ug/l	J	ld	DUP RPD	20.9;15.1	≤5	%
L1425714	LVWPS-MW221A-20211102	11/2/2021	SM2540C	L1425714-05	Dissolved Solids (total)	2540000		50000	50000	ug/l	J	ld	DUP RPD	20.9;15.1	≤5	%
L1425714	LVWPS-MW221B-20211102	11/2/2021	SM2540C	L1425714-06	Dissolved Solids (total)	2030000		50000	50000	ug/l	J	ld	DUP RPD	20.9;15.1	≤5	%
L1425714	NERT4.21N1-20211102	11/2/2021	SM2540C	L1425714-11	Dissolved Solids (total)	1980000		50000	50000	ug/l	J	ld	DUP RPD	20.9;15.1	≤5	%
L1425714	NERT4.38N1-20211102	11/2/2021	SM2540C	L1425714-12	Dissolved Solids (total)	3010000		50000	50000	ug/l	J	ld	DUP RPD	20.9;15.1	≤5	%
L1425714	NERT4.51S1-20211102	11/2/2021	SM2540C	L1425714-07	Dissolved Solids (total)	3190000		50000	50000	ug/l	J	ld	DUP RPD	20.9;15.1	≤5	%
L1426343	LVWPS-MW219B-20211103	11/3/2021	SM2540C	L1426343-13	Dissolved Solids (total)	3390000	Q	50000	50000	ug/l	J	h,ld	Holding Time, DUP RPD	11; 5.21	7; 5	days, %
L1426343	LVWPS-MW224A-20211103	11/3/2021	SM2540C	L1426343-09	Dissolved Solids (total)	2900000	Q	50000	50000	ug/l	J	h,ld	Holding Time, DUP RPD	11; 5.21	7; 5	days, %
L1426343	MW-23-20211103	11/3/2021	SM2540C	L1426343-07	Dissolved Solids (total)	2530000	J3 Q	50000	50000	ug/l	J	h,ld	Holding Time, DUP RPD	11; 5.21	7; 5	days, %
L1426343	USGS-SE-20211103	11/3/2021	SM2540C	L1426343-06	Dissolved Solids (total)	3450000	Q	50000	50000	ug/l	J	h,ld	Holding Time, DUP RPD	11; 5.21	7; 5	days, %
L1495345	NERT5.15S1-20220519	05/19/22	SM2540C	L1495345-01	Dissolved Solids (total)	4410000	J3	50000	50000	ug/l	J	ld	DUP RPD	17.0	≤5	%
L1495345	NERT5.15S2-20220519	05/19/22	SM2540C	L1495345-01	Dissolved Solids (total)	4170000	J3	50000	50000	ug/l	J	ld	DUP RPD	20.2	≤5	%
L1416362	PC-90-20211011-EB	10/11/2021	E300.0	L1416362-94	Sulfate	715	J	594	5000	ug/l	J	sp	<PQL			
L1449987	NERT4.29N1-20220111-EB	1/11/2022	E300.0	L1449987-15	Sulfate	727	J	594	5000	ug/l	J	sp	<PQL			
L1414236	PC-58-20211006-EB	10/6/2021	E300.0	L1414236-90	Sulfate	759000		5940	50000	ug/l	DNR	orr				

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Laboratory Sample ID	Analyte	Lab Results	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator	Qualification Finding	Acceptance Criteria	
L1413601	PC-178-20211005	10/5/2021	E200.7	L1413601-01	Vanadium	13.3	J	6.62	20	ug/l	J	sp	<PQL			
L1413601	PC-4-20211005	10/5/2021	E200.7	L1413601-05	Vanadium	8.96	J	6.62	20.0	ug/l	J	sp	<PQL			
L1414932	PC-80-20211007	10/7/2021	E200.7	L1414932-88	Vanadium	14.1	J	6.62	20.0	ug/l	J	sp	<PQL			
L1414932	PC-82-20211007	10/7/2021	E200.7	L1414932-90	Vanadium	14.7	J	6.62	20.0	ug/l	J	sp	<PQL			
L1416883	ES-55C-20211012	10/12/2021	E200.7	L1416883-96	Vanadium	16.7	J	6.62	20.0	ug/l	J	sp	<PQL			
L1416883	PC-203-20211012	10/12/2021	E200.7	L1416883-90	Vanadium	8.34	J	6.62	20.0	ug/l	J	sp	<PQL			
L1416883	PMW-8-20211012	10/12/2021	E200.7	L1416883-89	Vanadium	17.6	J	6.62	20.0	ug/l	J	sp	<PQL			
L1416883	WMW6.9S-20211012	10/12/2021	E200.7	L1416883-93	Vanadium	15.7	J	6.62	20.0	ug/l	J	sp	<PQL			
L1449351	PC-205A-20220110	1/10/2022	E200.7	L1449351-01	Vanadium	17.2	J	6.62	20.0	ug/l	J	sp	<PQL			
L1449351	PC-94D-20220110	1/10/2022	E200.7	L1449351-06	Vanadium	17.6	J	6.62	20.0	ug/l	J	sp	<PQL			
L1417492	PC-98R-20211013	10/13/2021	E300.0	L1417492-87	Bromide		U	7060	20000	ug/l	UJ	nd,m	MS %R	74.1	80-120	%
L1414445	PC-205A-0.0-20211005	10/5/2021	SW9056A	L1414445-04	Bromide		U	74.7	211	mg/kg	UJ	nd,m,ld	MS/MSD %R, RPD	51.1,36.1; 34.3	80-120; 15	%
L1414445	PC-205-0.0-20211005	10/5/2021	SW9056A	L1414445-01	Bromide		U	75.6	213	mg/kg	UJ	nd,m,ld	MS/MSD %R, RPD	51.1,36.1; 34.3	80-120; 15	%
L1418554	NERT4.93S1-20211015	10/15/2021	E300.0	336	Chloride	649000		7580	20000	ug/l	J-	m	MS %R	29.3	80-120	%
L1414445	PC-205B-0.0-20211005	10/5/2021	SW9056A	L1414445-07	Bromide		U	76.3	215	mg/kg	UJ	nd,m,ld	MS/MSD %R, RPD	51.1,36.1; 34.3	80-120; 15	%
L1421039	MW-04-20211021	10/21/2021	E200.7	L1421039-05	Chromium (total)	35.4	J	8.15	50.0	ug/l	J	sp	<PQL			
L1414445	PC-205-5.0-20211005	10/5/2021	SW9056A	L1414445-02	Bromide		U	83.6	236	mg/kg	UJ	nd,m,ld	MS/MSD %R, RPD	51.1,36.1; 34.3	80-120; 15	%
L1418041	WMW6.15N-20211014	10/14/2021	SM2320B	L1418041-88	Total Alkalinity as CaCO3	186000		8450	20000	ug/l	J+	be,ba	EB Contamination > PQL	186000	186000	ug/l
L1418041	WMW6.15N-20211014-FD	10/14/2021	SM2320B	L1418041-89	Total Alkalinity as CaCO3	191000		8450	20000	ug/l	J+	be,ba	EB Contamination > PQL	191000	191000	ug/l
L1418050	LVWPS-MW110-20211014	10/14/2021	SM2320B	L1418050-330	Total Alkalinity as CaCO3	109000		8450	20000	ug/l	J+	be,ba	EB Contamination > PQL	109000	109000	ug/l
L1419830	LVWPS-MW107C-20211019	10/19/2021	SM2320B	L1419830-01	Total Alkalinity as CaCO3	97200		8450	20000	ug/l	J+	be,ba	EB Contamination > PQL	97200	97200	ug/l
L1421039	NERT5.11S1-20211021	10/21/2021	SM2320B	L1421039-07	Total Alkalinity as CaCO3	148000		8450	20000	ug/l	J+	be,ba	EB Contamination > PQL	148000	148000	ug/l
L1421039	NERT5.11S1-20211021-FD	10/21/2021	SM2320B	L1421039-08	Total Alkalinity as CaCO3	147000		8450	20000	ug/l	J+	be,ba	EB Contamination > PQL	147000	147000	ug/l
L1421565	LVWPS-MW206A-20211022	10/22/2021	SM2320B	L1421565-03	Total Alkalinity as CaCO3	117000		8450	20000	ug/l	J+	be,ba	EB Contamination > PQL	117000	117001	ug/l
L1421565	LVWPS-MW206A-20211022-FD	10/22/2021	SM2320B	L1421565-04	Total Alkalinity as CaCO3	118000		8450	20000	ug/l	J+	be,ba	EB Contamination > PQL	118000	118000	ug/l
L1425080	ES-50-20211101-EB	11/1/2021	SM2320B	L1425080-03	Total Alkalinity as CaCO3	13100	J	8450	20000	ug/l	J	sp	<PQL			
L1418554	NERT4.93S1-20211015	10/15/2021	E300.0	336	Nitrate as N	19500		960	2000	ug/l	J-	m	MS %R	76.6	80-120	%

ATTACHMENT A

VOC Data Validation Report

Volatile Organic Compounds (VOCs) by Environmental Protection Agency (EPA) SW 846 Method 8260B

I. Sample Receipt and Technical Holding Times

All samples were received in good condition.

The chain-of-custodies were reviewed for documentation of cooler temperatures.

Cooler temperatures for all samples in SDG L1413601 were reported at 14.27°C, cooler temperatures for all samples in SDG L1414236 were reported at 12.23°C, cooler temperatures for all samples in SDG L1414932 were reported at 10.2°C, cooler temperatures for all samples in SDG L1415470 were reported at 7.8°C, cooler temperatures for all samples in SDG L1416362 were reported at 11.5°C, cooler temperatures for all samples in SDG L1416883 were reported at 19.4°C, cooler temperatures for all samples in SDG L1417492 were reported at 19.3°C, and cooler temperatures for all samples in SDG L1418041 were reported at 15.2°C upon receipt by the laboratory. The samples were received the same day they were collected and did not have sufficient time to cool down. No data was qualified based on the cooler temperature.

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

SDG	Sample	Analyte	Total Days From Sample Collection Until Analysis	Required Holding Time (in Days) From Sample Collection Until Analysis	Flag	A or P
L1416883	ES-55C-20211012	Chloroform	16	14	J- (all detects)	A

II. GC/MS Instrument Performance Check

A bromofluorobenzene (BFB) tune was performed at 12 hour intervals.

All ion abundance requirements were met.

Instrument performance check data were not reviewed for Stage 2A validation.

III. Initial Calibration and Initial Calibration Verification

An initial calibration was performed as required by the method.

For analytes where average relative response factors (RRFs) were utilized, percent relative standard deviations (%RSD) were less than or equal to 15.0% for each individual analyte and less than or equal to 30.0% for calibration check analytes.

Average relative response factors (RRF) for all analytes were within validation criteria.

The percent differences (%D) of the initial calibration verification (ICV) standard were less than or equal to 20.0% for all analytes with the following exceptions:

Date	Analyte	%D	Associated Samples	Flag	A or P
09/08/21	1,2,3-Trimethylbenzene	30.60	All samples in SDG L1414445	UJ (all non-detects)	A

Initial calibration data were not reviewed for Stage 2A validation.

IV. Continuing Calibration

Continuing calibration was performed at the required frequencies.

The percent differences (%D) were less than or equal to 20.0% for all analytes with the following exceptions:

Date	Analyte	%D	Associated Samples	Affected Analyte	Flag	A or P
10/13/21	1,2,3-Trichlorobenzene 1,2,4-Trichlorobenzene 1,2-Dibromo-3-chloropropane Bromoform Bromomethane Hexachlorobutadiene	35.80 40.10 27.50 22.80 26.90 45.40	All samples in SDG L1414445	1,2,3-Trichlorobenzene 1,2,4-Trichlorobenzene 1,2-Dibromo-3-chloropropane Bromoform Bromomethane Hexachlorobutadiene	UJ (all non-detects) UJ (all non-detects) UJ (all non-detects) UJ (all non-detects) UJ (all non-detects) UJ (all non-detects)	A
10/13/21	Naphthalene	42.40	PC-205-5.0-20211005* PC-205-9.5-20211005* PC-205A-0.0-20211005* PC-205A-5.0-20211005* PC-205A-9.5-20211005* PC-205B-0.0-20211005* PC-205B-5.0-20211005* PC-205B-9.5-20211005* PC-205A-9.5-20211005-FD*	Naphthalene	UJ (all non-detects)	A
10/13/21	o-Xylene	20.1	All samples in SDG L1414445	Xylenes, total	UJ (all non-detects)	A

All of the continuing calibration relative response factors (RRF) were within validation criteria.

Continuing calibration data were not reviewed for Stage 2A validation.

V. Laboratory Blanks

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

* Indicates Stage 2B validation
** Indicates Stage 4 validation

SDG	Blank ID	Analysis Date	Analyte	Concentration	Associated Samples
L1413601	R3718483-3MB	10/15/21	1,2,3-Trimethylbenzene 1,3,5-Trimethylbenzene	0.139 ug/L 0.116 ug/L	All samples in SDG L1413601
L1414932	R3719151-3MB	10/17/21	1,2,3-Trichlorobenzene	0.293 ug/L	All samples in SDG L1414932
L1415470	R3719704-3MB	10/17/21	Trichloroethene	0.339 ug/L	All samples in SDG L1415470
L1417492	R3720473-4MB	10/20/21	1,2,3-Trichlorobenzene	0.283 ug/L	PC-191-20211013 PC-98R-20211013
L1418041	R3721256-2MB	10/21/21	1,2,3-Trichlorobenzene	0.317 ug/L	All samples in SDG L1418041

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

SDG	Sample	Analyte	Reported Concentration	Modified Final Concentration
L1415470	PC-157B-20211008-TB	Trichloroethene	0.231 ug/L	0.231J ug/L
L1415470	PC-157B-20211008	Trichloroethene	0.212 ug/L	0.212J ug/L
L1415470	PC-157A-20211008	Trichloroethene	0.278 ug/L	0.278J ug/L
L1415470	PC-155B-20211008	Trichloroethene	0.242 ug/L	0.242J ug/L
L1415470	PC-155A-20211008	Trichloroethene	0.275 ug/L	0.275J ug/L

VI. Field Blanks

Samples PC-4-20211005-TB (from SDG L1413601), DBMW-19-20211006-TB (from SDG L1414236), PC-79-20211007-TB (from SDG L1414932), PC-157B-20211008-TB (from SDG L1415470), PC-97-20211011-TB (from SDG L1416362), ES-55B-20211012-TB (from SDG L1416883), PC-191-20211013-TB (from SDG L1417492), WMW6.15N-20211014-TB (from SDG L1418041), MCF-18A-20211020-TB (from SDG L1420407), and PC-205B-20220110-TB (from SDG L1449351) were identified as trip blanks. No contaminants were found with the following exceptions:

* Indicates Stage 2B validation
** Indicates Stage 4 validation

SDG	Blank ID	Collection Date	Analyte	Concentration	Associated Samples
L1415470	PC-157B-20211008-TB	10/08/21	Trichloroethene	0.231 ug/L	PC-157B-20211008 PC-157A-20211008 PC-155B-20211008 PC-155A-20211008 PC-156B-20211008 PC-156A-20211008
L1416883	ES-55B-20211012-TB	10/12/21	1,2,4-Trichlorobenzene	0.682 ug/L	PC-77-20211012 RIT-10-20211012 PMW-8-20211012 PC-203-20211012 PC-204-20211012 WMW6.15S-20211012 WMW6.9S-20211012 PC-74-20211012 PC-76-20211012 ES-55C-20211012 ES-55B-20211012

Samples PC-58-20211006-EB (from SDG L1414236), PC-90-20211011-EB (from SDG L1416362), WMW6.15N--20211014-EB (from SDG L1418041), and M-103-20210412-EB (from SDG 550-161754-1) were identified as equipment blanks. No contaminants were found with the following exceptions:

SDG	Blank ID	Collection Date	Analyte	Concentration	Associated Samples
L1414236	PC-58-20211006-EB	10/06/21	Bromodichloromethane Chloroform	0.434 ug/L 1.81 ug/L	PC-58-20211006
L1416362	PC-90-20211011-EB	10/11/21	Acetone Bromodichloromethane Chloroform	12.6 ug/L 0.515 ug/L 1.82 ug/L	PC-90-20211011
L1418041	WMW6.15N--20211014-EB	10/14/21	Bromodichloromethane Chloroform	0.46 ug/L 1.75 ug/L	WMW6.15N--20211014 WMW6.15N--20211014-FD

Sample M-103-20210412-FB (from SDG 550-161754-1) was identified as a field blank. No contaminants were found.

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

SDG	Sample	Analyte	Reported Concentration	Modified Final Concentration
L1414236	PC-58-20211006	Chloroform	0.555 ug/L	0.555J ug/L
L1415470	PC-157B-20211008	Trichloroethene	0.212 ug/L	0.212J ug/L

* Indicates Stage 2B validation
** Indicates Stage 4 validation

SDG	Sample	Analyte	Reported Concentration	Modified Final Concentration
L1415470	PC-157A-20211008	Trichloroethene	0.278 ug/L	0.278J ug/L
L1415470	PC-155B-20211008	Trichloroethene	0.242 ug/L	0.242J ug/L
L1415470	PC-155A-20211008	Trichloroethene	0.275 ug/L	0.275J ug/L

VII. Surrogates

Surrogates were added to all samples as required by the method. All surrogate recoveries (%R) were within QC limits with the following exceptions:

SDG	Sample	Surrogate	%R (Limits)	Affected Analyte	Flag	A or P
L1416883	ES-55C-20211012	Toluene-d8	162 (80-120)	Chloroform	J+ (all detects)	A

VIII. 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. Relative percent differences (RPD) were within QC limits.

IX. Laboratory Control Samples

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

SDG	LCS ID (Associated Samples)	Analyte	LCS %R (Limits)	LCSD %R (Limits)	Flag	A or P
L1414445	R3718293-1/2 LCS/LCSD (All samples in SDG L1414445)	Hexachlorobutadiene 1,2,4-Trichlorobenzene	54.6 (57-150) 59.8 (62-137)	- 51.6 (62-137)	UJ (all non-detects) UJ (all non-detects)	A
L1414445	R3718293-1/2 LCS/LCSD (PC-205-5.0-20211005* PC-205-9.5-20211005* PC-205A-0.0-20211005* PC-205A-5.0-20211005* PC-205A-9.5-20211005* PC-205B-0.0-20211005* PC-205B-5.0-20211005* PC-205B-9.5-20211005* PC-205A-9.5-20211005-FD)*	Naphthalene	57.6 (59-130)	58.5 (59-130)	UJ (all non-detects)	A

* Indicates Stage 2B validation
** Indicates Stage 4 validation

SDG	LCS ID (Associated Samples)	Analyte	LCS %R (Limits)	LCSD %R (Limits)	Flag	A or P
L1416362	R3719861-1/2 LCS/LCSD (PC-97-20211011-TB PC-97-20211011 PC-198-20211011 PC-199-20211011 PC-198-20211011-FD PC-92-20211011 PC-94-20211011 PC-90-20211011 PC-90-20211011-EB PC-88-20211011)	Bromoform Dibromochloromethane	65.8 (68-132) 76.0 (77-125)	- -	UJ (all non-detects) UJ (all non-detects)	P
L1416883	R3721413-1/2 LCS/LCSD (ES-55B-20211012)	Acrylonitrile Dibromomethane	44.4 (55-149) 77.4 (80-120)	- -	UJ (all non-detects) UJ (all non-detects)	P
L1416883	R3721413-1/2 LCS/LCSD (ES-55B-20211012)	Hexachlorobutadiene	139 (54-138)	-	NA	-
L1449351	WG1800687 LCS/LCSD (All samples in SDG L1449351)	Trichloroethene	125 (78-124)	-	NA	-

SDG	LCS ID (Associated Samples)	Analyte	%R (Limits)	Flag	A or P
L1418041	R3721256-1 (All samples in SDG L1418041)	Acrolein	6.52 (10-160)	R (all non-detects)	P
L1418041	R3721256-1 (All samples in SDG L1418041)	4-Methyl-2-pentanone	150 (68-142)	NA	-
L1420407	R3722143-1LCS (All samples in SDG L1420407)	n-Propylbenzene	76.6 (77-124)	UJ (all non-detects)	P

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

SDG	LCS ID (Associated Samples)	Analyte	RPD (Limits)	Flag	A or P
L1415470	R3719704-1/2 LCS/LCSD (All samples in SDG L1415470)	Hexachlorobutadiene Naphthalene 1,2,3-Trichlorobenzene 1,2,4-Trichlorobenzene	23.9 (≤20) 23.8 (≤20) 25.6 (≤20) 25.6 (≤20)	NA	-

* Indicates Stage 2B validation
** Indicates Stage 4 validation

SDG	LCS ID (Associated Samples)	Analyte	RPD (Limits)	Flag	A or P
L1416362	R3719861-1/2 LCS/LCSD (PC-97-20211011-TB PC-97-20211011 PC-198-20211011 PC-199-20211011 PC-198-20211011-FD PC-92-20211011 PC-94-20211011 PC-90-20211011 PC-90-20211011-EB PC-88-20211011)	1,2-Dibromo-3-chloropropane 2-Butanone	22.7 (≤20) 20.2 (≤20)	NA	-
L1416362	R3721030-1/2 LCS/LCSD (PC-91-20211011 PC-96-20211011)	Acetone	46.8 (≤27)	NA	-
L1416883	R3721030-1/2 LCS/LCSD (PC-77-20211012 RIT-10-20211012 PMW-8-20211012 PC-203-20211012 PC-204-20211012 WMW6.15S-20211012 WMW6.9S-20211012 PC-74-20211012 PC-76-20211012 ES-55C-20211012 ES-55B-20211012-TB)	Acetone	46.8 (≤27)	NA	-
L1416883	R3721413-1/2 LCS/LCSD (ES-55B-20211012)	Acetone Acrolein Acrylonitrile n-Butylbenzene 2,2-Dichloropropane Hexachlorobutadiene p-Isopropyltoluene 2-Butanone Naphthalene 1,2,3-Trichlorobenzene 1,2,4-Trichlorobenzene	73.2 (≤27) 28.1 (≤26) 35.6 (≤20) 25.6 (≤20) 30.0 (≤20) 33.1 (≤20) 22.8 (≤20) 46.8 (≤20) 20.2 (≤20) 33.4 (≤20) 26.2 (≤20)	NA	-
L1417492	R3720473-2/3 LCS/LCSD (PC-191-20211013 PC-98R-20211013)	1,2-Dibromo-3-chloropropane	28 (≤20)	NA	-
L1417492	R3720474-1/2 LCS/LCSD (PC-103-20211013 MWK5-20211013 WMW6.55S-20211013 COH-2B1-20211013 PC-191-20211013-TB)	Carbon tetrachloride Chloromethane Dibromomethane 1,2-Dichlorobenzene trans-1,2-Dichloroethene 1,2-Dichloropropane 1,1-Dichloropropene 2,2-Dichloropropane Hexachlorobutadiene p-Isopropyltoluene Tetrachloroethene 1,2,3-Trichlorobenzene 1,2,4-Trichlorobenzene 1,1,1-Trichloroethane Vinyl chloride	23.4 (≤20) 24.8 (≤20) 21.5 (≤20) 20.4 (≤20) 26.0 (≤20) 20.2 (≤20) 21.7 (≤20) 24.4 (≤20) 23.0 (≤20) 23.9 (≤20) 24.7 (≤20) 23.9 (≤20) 21.3 (≤20) 24.8 (≤20) 21.1 (≤20)	NA	-

* Indicates Stage 2B validation
** Indicates Stage 4 validation

X. Field Duplicates

Samples PC-205A-9.5-20211005* and PC-205A-9.5-20211005-FD*, samples M-103-20210412 and M-103-20210412-DUP (both from SDG 550-161754-1), samples PC-56-20211006 and PC-56-20211006-FD (both from SDG L1414236), samples PC-198-20211011 and PC-198-20211011-FD (both from SDG L1416362), samples WMW6.15N—20211014 and WMW6.15N--20211014-FD (both from SDG L1418041), and samples PC-205B-20220110 and PC-205B-20220110-FD (both from SDG L1449351) were identified as field duplicates. No results were detected in any of the samples with the following exceptions:

		Concentration (mg/Kg)				
SDG	Analyte	PC-205A-9.5-20211005*	PC-205A-9.5-20211005-FD*	RPD (Limits)	Flag	A or P
L1414445	2-Butanone	0.128	0.139	8 (≤50)	-	-

		Concentration (ug/L)				
SDG	Analyte	PC-56-20211006	PC-56-20211006-FD	RPD (Limits)	Flag	A or P
L1414236	Chloroform	3.00	3.12	4 (≤30)	-	-
	1,1-Dichloroethane	0.583	0.617	6 (≤30)	-	-

		Concentration (ug/L)				
SDG	Analyte	PC-198-20211011	PC-198-20211011-FD	RPD (Limits)	Flag	A or P
L1416362	Chloroform	3.76	3.71	1 (≤30)	-	-

		Concentration (ug/L)				
SDG	Analyte	PC-205B-20220110	PC-205B-20220110-FD	RPD (Limits)	Flag	A or P
L1449351	Chloroform	0.153	0.155	1 (≤30)	-	-

XI. Internal Standards

All internal standard areas and retention times were within QC limits.

Internal standard data were not reviewed for Stage 2A validation.

* Indicates Stage 2B validation
** Indicates Stage 4 validation

XII. Target Analyte Quantitation

All target analyte quantitations met validation criteria for samples which underwent Stage 4 validation. Raw data were not reviewed for Stage 2A and Stage 2B validation.

XIII. Target Analyte Identification

All target analyte identifications met validation criteria for samples which underwent Stage 4 validation. Raw data were not reviewed for Stage 2A and Stage 2B validation.

XIV. System Performance

The system performance was acceptable for samples which underwent Stage 4 validation. Raw data were not reviewed for Stage 2A and Stage 2B validation.

XV. Overall Assessment of Data

The analysis was conducted within all specifications of the method.

Due to LCS/LCSD %R, five results were rejected in five samples.

Due to technical holding time, ICV %D, continuing calibration %D, surrogate %R, and LCS/LCSD %R, one hundred sixteen results were qualified as estimated in twenty-six samples.

Due to laboratory blank contamination, five results were qualified as estimated in five samples.

Due to trip blank contamination, four results were qualified as estimated in four samples.

Due to equipment blank contamination, one result was qualified as estimated in one sample.

NERT RI, Phase 3, 2021-2022
Volatiles - Data Qualification Summary - SDGs L1414445, 550-161754-1, 550-162422-1, L1413601, L1414236, L1414932, L1415470, L1416362, L1416883, L1417492, L1418041, L1420407, L1449351

SDG	Sample	Analyte	Flag	A or P	Reason (Code)
L1416883	ES-55C-20211012	Chloroform	J- (all detects)	A	Technical holding times (h)
L1414445	PC-205-0.0-20211005** PC-205-5.0-20211005* PC-205-9.5-20211005* PC-205A-0.0-20211005* PC-205A-5.0-20211005* PC-205A-9.5-20211005* PC-205B-0.0-20211005* PC-205B-5.0-20211005* PC-205B-9.5-20211005* PC-205A-9.5-20211005-FD*	1,2,3-Trimethylbenzene	UJ (all non-detects)	A	Initial calibration verification (%D) (c)
L1414445	PC-205-0.0-20211005** PC-205-5.0-20211005* PC-205-9.5-20211005* PC-205A-0.0-20211005* PC-205A-5.0-20211005* PC-205A-9.5-20211005* PC-205B-0.0-20211005* PC-205B-5.0-20211005* PC-205B-9.5-20211005* PC-205A-9.5-20211005-FD*	1,2,3-Trichlorobenzene 1,2,4-Trichlorobenzene 1,2-Dibromo-3-chloropropane Bromoform Bromomethane Hexachlorobutadiene Xylenes, total	UJ (all non-detects) UJ (all non-detects) UJ (all non-detects) UJ (all non-detects) UJ (all non-detects) UJ (all non-detects) UJ (all non-detects)	A	Continuing calibration (%D) (c)
L1414445	PC-205-5.0-20211005* PC-205-9.5-20211005* PC-205A-0.0-20211005* PC-205A-5.0-20211005* PC-205A-9.5-20211005* PC-205B-0.0-20211005* PC-205B-5.0-20211005* PC-205B-9.5-20211005* PC-205A-9.5-20211005-FD*	Naphthalene	UJ (all non-detects)	A	Continuing calibration (%D) (c)
L1416883	ES-55C-20211012	Chloroform	J+ (all detects)	A	Surrogates (%R) (s)
L1414445	PC-205-0.0-20211005** PC-205-5.0-20211005* PC-205-9.5-20211005* PC-205A-0.0-20211005* PC-205A-5.0-20211005* PC-205A-9.5-20211005* PC-205B-0.0-20211005* PC-205B-5.0-20211005* PC-205B-9.5-20211005* PC-205A-9.5-20211005-FD*	Hexachlorobutadiene 1,2,4-Trichlorobenzene	UJ (all non-detects) UJ (all non-detects)	A	Laboratory control samples (%R) (l)

* Indicates Stage 2B validation
** Indicates Stage 4 validation

SDG	Sample	Analyte	Flag	A or P	Reason (Code)
L1414445	PC-205-5.0-20211005* PC-205-9.5-20211005* PC-205A-0.0-20211005* PC-205A-5.0-20211005* PC-205A-9.5-20211005* PC-205B-0.0-20211005* PC-205B-5.0-20211005* PC-205B-9.5-20211005* PC-205A-9.5-20211005-FD*	Naphthalene	UJ (all non-detects)	A	Laboratory control samples (%R) (l)
L1416362	PC-97-20211011-TB PC-97-20211011 PC-198-20211011 PC-199-20211011 PC-198-20211011-FD PC-92-20211011 PC-94-20211011 PC-90-20211011 PC-90-20211011-EB PC-88-20211011	Bromoform Dibromochloromethane	UJ (all non-detects) UJ (all non-detects)	P	Laboratory control samples (%R) (l)
L1416883	ES-55B-20211012	Acrylonitrile Dibromomethane	UJ (all non-detects) UJ (all non-detects)	P	Laboratory control samples (%R) (l)
L1418041	WMW6.15N-20211014-TB WMW6.15N--20211014-EB WMW6.15N--20211014 WMW6.15N--20211014-FD WMW6.9N—20211014	Acrolein	R (all non-detects)	P	Laboratory control samples (%R) (l)
L1420407	MCF-18A-20211020 MCF-28A-20211020 MCF-28B-20211020 MCF-18A-20211020-TB	n-Propylbenzene	UJ (all non-detects)	P	Laboratory control samples (%R) (l)

NERT RI, Phase 3, 2021-2022
Volatiles - Laboratory Blank Data Qualification Summary - SDGs L1414445, 550-161754-1, 550-162422-1, L1413601, L1414236, L1414932, L1415470, L1416362, L1416883, L1417492, L1418041, L1420407, L1449351

SDG	Sample	Analyte	Modified Final Concentration	A or P	Code
L1415470	PC-157B-20211008-TB	Trichloroethene	0.231J ug/L	A	bl,bb
L1415470	PC-157B-20211008	Trichloroethene	0.212J ug/L	A	bl,bb
L1415470	PC-157A-20211008	Trichloroethene	0.278J ug/L	A	bl,bb
L1415470	PC-155B-20211008	Trichloroethene	0.242J ug/L	A	bl,bb
L1415470	PC-155A-20211008	Trichloroethene	0.275J ug/L	A	bl,bb

* Indicates Stage 2B validation
** Indicates Stage 4 validation

NERT RI, Phase 3, 2021-2022
Volatiles - Field Blank Data Qualification Summary - SDGs L1414445, 550-161754-1, 550-162422-1, L1413601, L1414236, L1414932, L1415470, L1416362, L1416883, L1417492, L1418041, L1420407, L1449351

SDG	Sample	Analyte	Modified Final Concentration	A or P	Code
L1414236	PC-58-20211006	Chloroform	0.555J ug/L	A	be,bb
L1415470	PC-157B-20211008	Trichloroethene	0.212J ug/L	A	bt,bb
L1415470	PC-157A-20211008	Trichloroethene	0.278J ug/L	A	bt,bb
L1415470	PC-155B-20211008	Trichloroethene	0.242J ug/L	A	bt,bb
L1415470	PC-155A-20211008	Trichloroethene	0.275J ug/L	A	bt,bb

* Indicates Stage 2B validation
** Indicates Stage 4 validation

ATTACHMENT B

Metals Data Validation Report

Arsenic, Boron, Chromium, Iron, Magnesium, Manganese, Strontium, and Vanadium by Environmental Protection Agency (EPA) SW 846 Method 6010B

Arsenic, Boron, Calcium, Chromium, Iron, Magnesium, Manganese, Potassium, Sodium, Strontium, and Vanadium by Environmental Protection Agency (EPA) Method 200.7

I. Sample Receipt and Technical Holding Times

All samples were received in good condition.

All technical holding time requirements were met.

II. Instrument Calibration

Initial and continuing calibrations were performed as required by the method.

The initial calibration verification (ICV) and continuing calibration verification (CCV) standards were within QC limits.

Instrument calibration data were not reviewed for Stage 2A validation.

III. ICP Interference Check Sample Analysis

The frequency of interference check sample (ICS) analysis was met. All criteria were within QC limits.

ICS analysis data were not reviewed for Stage 2A validation.

IV. Laboratory Blanks

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

SDG	Blank ID	Analyte	Maximum Concentration	Associated Samples
550-162422-1	PB (prep blank)	Chromium	0.0046 mg/L	All samples in SDG 550-162422-1
L1413601	PB (prep blank)	Sodium	504 ug/L	All samples in SDG L1413601
L1416362	PB (prep blank)	Chromium Iron Manganese Potassium Strontium	4.05 ug/L 35 ug/L 1.81 ug/L 340 ug/L 1.5 ug/L	PC-97-20211011 PC-198-20211011 PC-199-20211011 PC-198-20211011-FD PC-92-20211011 PC-94-20211011 PC-90-20211011 PC-90-20211011-EB

* Indicates Stage 2B validation
** Indicates Stage 4 validation

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

SDG	Sample	Analyte	Reported Concentration	Modified Final Concentration
L1416362	PC-97-20211011	Iron	22.5 ug/L	22.5J ug/L
L1416362	PC-198-20211011	Chromium Manganese	2.37 ug/L 2.30 ug/L	2.37J ug/L 2.30J ug/L
L1416362	PC-199-20211011	Chromium	2.32 ug/L	2.32J ug/L
L1416362	PC-198-20211011-FD	Chromium Manganese	2.14 ug/L 2.24 ug/L	2.14J ug/L 2.24J ug/L
L1416362	PC-94-20211011	Chromium Iron	1.86 ug/L 24.3 ug/L	1.86J ug/L 24.3J ug/L
L1416362	PC-90-20211011-EB	Strontium	2.23 ug/L	2.23J ug/L

V. Field Blanks

Samples M-103-20210412-EB (from SDG 550-161754-1), PC-58-20211006-EB (from SDG L1414236), PC-90-20211011-EB (from SDG L1416362), WMW6.15N--20211014-EB (from SDG L1418041), LVWPS-MW110-20211014-EB (from SDG L1418050), LVWPS-MW107C-20211019-EB (from SDG L1419830), NERT5.11S1-20211021-EB (from SDG L1421039), LVWPS-MW206A-20211022-EB (from SDG L1421565), ES-50-20211101-EB (from SDG L1425080), NERT3.60N1-20211102-EB (from SDG L1425714), NERT3.35S1-20211104-EB (from SDG L1426982), AA-26-20211108-EB (from SDG L1428279), MW-21R-20211110-EB (from SDG L1429196), NERT5.98S1-20220110-EB (from SDG L1449352), and NERT4.29N1-20220111-EB (from SDG L1449987) were identified as equipment blanks. No contaminants were found with the following exceptions:

SDG	Blank ID	Collection Date	Analyte	Concentration	Associated Samples
L1414236	PC-58-20211006-EB	10/06/21	Boron Calcium Magnesium Potassium Sodium Strontium	78.6 ug/L 102 ug/L 125 ug/L 10400 ug/L 2020 ug/L 0.712 ug/L	PC-58-20211006

* Indicates Stage 2B validation
** Indicates Stage 4 validation

SDG	Blank ID	Collection Date	Analyte	Concentration	Associated Samples
L1416362	PC-90-20211011-EB	10/14/21	Boron Calcium Magnesium Potassium Sodium Strontium	96.1 ug/L 173 ug/L 123 ug/L 10800 ug/L 2450 ug/L 2.23 ug/L	PC-90-20211011
L1418041	WMW6.15N--20211014-EB	10/14/21	Boron Calcium Magnesium Potassium Sodium Strontium	92 ug/L 374 ug/L 276 ug/L 10800 ug/L 2500 ug/L 6.48 ug/L	WMW6.15N--20211014 WMW6.15N--20211014-FD
L1418050	LVWPS-MW110-20211014-EB	10/14/21	Calcium Magnesium Potassium Sodium	887 ug/L 481 ug/L 11000 ug/L 3230 ug/L	LVWPS-MW110-20211014
L1419830	LVWPS-MW107C-20211019-EB	10/19/21	Calcium Magnesium Potassium Sodium	771 ug/L 743 ug/L 10900 ug/L 2950 ug/L	LVWPS-MW107C-20211019
L1421039	NERT5.11S1-20211021-EB	10/21/21	Calcium Magnesium Potassium Sodium	89.4 ug/L 127 ug/L 11300 ug/L 2300 ug/L	NERT5.11S1-20211021 NERT5.11S1-20211021-FD
L1421565	LVWPS-MW206A-20211022-EB	10/22/21	Calcium Magnesium Potassium Sodium	453 ug/L 263 ug/L 11400 ug/L 2560 ug/L	LVWPS-MW206A-20211022 LVWPS-MW206A-20211022-FD
L1425080	ES-50-20211101-EB	11/01/21	Calcium Sodium	235 ug/L 1320 ug/L	ES-50-20211101 ES-50-20211101-FD
L1425714	NERT3.60N1-20211102-EB	11/02/21	Calcium Magnesium Potassium Sodium	911 ug/L 265 ug/L 374 ug/L 2340 ug/L	NERT3.60N1-20211102
L1426982	NERT3.35S1-20211104-EB	11/04/21	Calcium Magnesium Potassium Sodium	848 ug/L 265 ug/L 588 ug/L 2700 ug/L	NERT3.35S1-20211104
L1428279	AA-26-20211108-EB	11/08/21	Calcium Sodium	117 ug/L 677 ug/L	AA-26-20211108
L1429196	MW-21R-20211110-EB	11/10/21	Calcium Magnesium Potassium Sodium	273 ug/L 261 ug/L 2500 ug/L 4620 ug/L	MW-21R-20211110 MW-21R-20211110-FD

* Indicates Stage 2B validation
** Indicates Stage 4 validation

SDG	Blank ID	Collection Date	Analyte	Concentration	Associated Samples
L1449352	NERT5.98S1-20220110-EB	01/10/22	Calcium Magnesium Sodium	620 ug/L 176 ug/L 1060 ug/L	NERT5.98S1-20220110
L1449987	NERT4.29N1-20220111-EB	01/11/22	Calcium Sodium	71.4 ug/L 765 ug/L	NERT4.29N1-20220111

Sample M-103-20210412-FB (from SDG 550-161754-1) was identified as a field blank. No contaminants were found.

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

SDG	Sample	Analyte	Reported Concentration	Modified Final Concentration
L1414236	PC-58-20211006	Potassium	35400 ug/L	35400J+ ug/L
L1416362	PC-90-20211011	Potassium	13400 ug/L	13400J+ ug/L
L1418041	WMW6.15N--20211014	Potassium	48800 ug/L	48800J+ ug/L
L1418041	WMW6.15N--20211014-FD	Potassium	50000 ug/L	50000J+ ug/L
L1421039	NERT5.11S1-20211021	Potassium	53700 ug/L	53700J+ ug/L
L1421039	NERT5.11S1-20211021-FD	Potassium	56000 ug/L	56000J+ ug/L

VI. Matrix Spike/Matrix Spike Duplicates

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

For PC-201-20211006MS/MSD (from SDG L1414236), PC-88-20211011MS/MSD (from SDG L1416362), and LVWPS-MW217A-20211019MS/MSD (from SDG L1419830), no data were qualified for calcium and sodium percent recoveries (%R) outside the QC limits since the parent sample results were greater than 4X the spike concentration.

For PC-58-20211006MS/MSD (from SDG L1414236), PC-97-20211011MS/MSD (from SDG L1416362), and ES-50-20211101MS/MSD (from SDG L1425080), no data were qualified for sodium percent recoveries (%R) outside the QC limits since the parent sample results were greater than 4X the spike concentration.

For PC-191-20211013MS/MSD (from SDG L1417492), no data were qualified for calcium, sodium, and strontium percent recoveries (%R) outside the QC limits since the parent sample results were greater than 4X the spike concentration.

For HM-2-20211013MS/MSD (from SDG L1417493), LVWPS-MW201B-20211015MS/MSD (from SDG L1418554), LVWPS-MW226B-20211015MS/MSD (from SDG L1418554), LVWPS-MW101B-20211018MS/MSD (from SDG L1419366), LVWPS-MW211-20211020MS/MSD (from SDG L1420412), MW-17-20211021MS/MSD (from SDG L1421039), LVWPS-MW223B-20211101MS/MSD (from SDG L1425080), LVWPS-MW219C-20211103MS/MSD (from SDG L1426343), and MW-22-20211105MS/MSD and MW-25-20211105MS/MSD (both from SDG L1427569), no data were qualified for calcium, magnesium, potassium, and sodium percent recoveries (%R) outside the QC limits since the parent sample results were greater than 4X the spike concentration.

For LVWPS-MW111A-20211018MS/MSD (from SDG L1419366), AA-22-20211019MS/MSD (from SDG L1419830), LVWPS-MW222A-20211022MS/MSD (from SDG L1421565), NERT4.71S1-20211101MS/MSD (from SDG L1425080), NERT3.60N1-20211102MS/MSD and WMW3.5N-20211102MS/MSD (both from SDG L1425714), MW-13-20211104MS/MSD (from SDG L1426982), and ES-22B-20211108MS/MSD (from SDG L1428279), no data were qualified for calcium, magnesium, and sodium percent recoveries (%R) outside the QC limits since the parent sample results were greater than 4X the spike concentration.

For NERT5.98S2-20220110MS/MSD (from SDG L1449352), no data were qualified for calcium, magnesium, sodium, and strontium percent recoveries (%R) outside the QC limits since the parent sample results were greater than 4X the spike concentration.

For NERT5.98S2-20220110MS/MSD and NERT5.98S1-20220110MS/MSD (both from SDG L1449352) and ES-53-20220112MS/MSD (from SDG L1450402), no data were qualified for calcium, magnesium, and sodium percent recoveries (%R) outside the QC limits since the parent sample results were greater than 4X the spike concentration.

For NERT3.94N1-20220111MS/MSD (from SDG L1449987), no data were qualified for calcium and sodium percent recoveries (%R) outside the QC limits since the parent sample results were greater than 4X the spike concentration.

Relative percent differences (RPD) were within QC limits.

VII. Duplicate Sample Analysis

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

VIII. Serial Dilution

Serial dilution was not performed for this SDG.

IX. Laboratory Control Samples

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

X. Field Duplicates

Samples PC-205A-9.5-20211005* and PC-205A-9.5-20211005-FD* (both from SDG L1414445), samples M-103-20210412 and M-103-20210412-DUP (both from SDG 550-161754-1), samples PC-56-20211006 and PC-56-20211006-FD (both from SDG L1414236), samples PC-198-20211011 and PC-198-20211011-FD (both from SDG L1416362), samples WMW6.15N--20211014 and WMW6.15N--20211014-FD (both from SDG L1418041), samples ZTS-MW115-20211014 and ZTS-MW115-20211014-FD (both from SDG L1418050), samples NERT5.11S1-20211021 and NERT5.11S1-20211021-FD (both from SDG L1421039), samples LVWPS-MW206A-20211022 and LVWPS-MW206A-20211022-FD (both from SDG L1421565), samples ES-50-20211101 and ES-50-20211101-FD (both from SDG L1425080), samples NERT3.58N1-20211102 and NERT3.58N1-20211102-FD (both from SDG L1425714), samples WMW3.5S-20211104 and WMW3.5S-20211104-FD (both from SDG L1426982), samples ES-23A-20211108 and ES-23A-20211108-FD (both from SDG L1428279), samples MW-21R-20211110 and MW-21R-20211110-FD (both from SDG L1429196), samples PC-205B-20220110 and PC-205B-20220110-FD (both from SDG L1449351), and samples NERT5.20S3-20220111 and NERT5.20S3-20220111-FD (both from SDG L1449987) were identified as field duplicates. No results were detected in any of the samples with the following exceptions:

SDG	Analyte	Concentration (mg/Kg)		RPD (Limits)	Flag	A or P
		PC-205A-9.5-20211005*	PC-205A-9.5-20211005-FD*			
L1414445	Arsenic	7.11	6.25	13 (≤50)	-	-
L1414445	Chromium	10.8	8.79	21 (≤50)	-	-
L1414445	Iron	16900	15500	9 (≤50)	-	-
L1414445	Magnesium	7660	6830	11 (≤50)	-	-
L1414445	Manganese	932	722	25 (≤50)	-	-
L1414445	Strontium	212	167	24 (≤50)	-	-
L1414445	Vanadium	52.7	43.0	20 (≤50)	-	-

* Indicates Stage 2B validation
** Indicates Stage 4 validation

SDG	Analyte	Concentration (ug/L)		RPD (Limits)	Flag	A or P
		M-103-20210412	M-103-20210412-DUP			
550-161754-1	Chromium	0.012	0.010	18 (≤30)	-	-

SDG	Analyte	Concentration (ug/L)		RPD (Limits)	Flag	A or P
		PC-56-20211006	PC-56-20211006-FD			
L1414236	Arsenic	95.9	104	8 (≤30)	-	-
	Boron	1020	1010	1 (≤30)	-	-
	Calcium	141000	143000	1 (≤30)	-	-
	Chromium	3.86	4.44	14 (≤30)	-	-
	Magnesium	58000	57400	1 (≤30)	-	-
	Potassium	15100	14900	1 (≤30)	-	-
	Sodium	552000	549000	1 (≤30)	-	-
	Strontium	3180	3200	1 (≤30)	-	-
	Vanadium	72.7	75.0	3 (≤30)	-	-

SDG	Analyte	Concentration (ug/L)		RPD (Limits)	Flag	A or P
		PC-198-20211011	PC-198-20211011-FD			
L1416362	Arsenic	67.3	60.9	10 (≤30)	-	-
	Boron	1330	1320	1 (≤30)	-	-
	Calcium	454000	451000	1 (≤30)	-	-
	Chromium	2.37	2.14	10 (≤30)	-	-
	Magnesium	359000	353000	2 (≤30)	-	-
	Manganese	2.30	2.24	3 (≤30)	-	-
	Potassium	78800	79200	1 (≤30)	-	-

* Indicates Stage 2B validation
** Indicates Stage 4 validation

SDG	Analyte	Concentration (ug/L)		RPD (Limits)	Flag	A or P
		PC-198-20211011	PC-198-20211011-FD			
	Sodium	579000	573000	1 (≤30)	-	-
	Strontium	12100	12200	1 (≤30)	-	-
	Vanadium	20.6	23.1	11 (≤30)	-	-

SDG	Analyte	Concentration (ug/L)		RPD (Limits)	Flag	A or P
		WMW6.15N--20211014	WMW6.15N--20211014-FD			
L1418041	Arsenic	38.5	41.7	8 (≤30)	-	-
	Boron	1660	1690	2 (≤30)	-	-
	Calcium	396000	408000	3 (≤30)	-	-
	Chromium	1.81	1.63U	200 (≤30)	NQ	-
	Magnesium	218000	224000	3 (≤30)	-	-
	Manganese	11.2	11.3	1 (≤30)	-	-
	Potassium	48800	50000	2 (≤30)	-	-
	Sodium	391000	401000	3 (≤30)	-	-
	Strontium	10200	10500	3 (≤30)	-	-

SDG	Analyte	Concentration (ug/L)		RPD (Limits)	Flag	A or P
		ZTS-MW115-20211014	ZTS-MW115-20211014-FD			
L1418050	Calcium	631000	638000	1 (≤30)	-	-
	Chromium	47.0	46.2	2 (≤30)	-	-
	Magnesium	263000	267000	2 (≤30)	-	-
	Potassium	160000	161000	1 (≤30)	-	-
	Sodium	681000	687000	1 (≤30)	-	-

* Indicates Stage 2B validation
** Indicates Stage 4 validation

SDG	Analyte	Concentration (ug/L)		RPD (Limits)	Flag	A or P
		LVWPS-MW204A-20211019	LVWPS-MW204A-20211019-FD			
L1419830	Calcium	363000	362000	0 (≤30)	-	-
	Chromium	15.6	16.2	4 (≤30)	-	-
	Magnesium	140000	138000	1 (≤30)	-	-
	Potassium	67700	67400	0 (≤30)	-	-
	Sodium	440000	439000	0 (≤30)	-	-

SDG	Analyte	Concentration (ug/L)		RPD (Limits)	Flag	A or P
		NERT5.11S1-20211021	NERT5.11S1-20211021-FD			
L1421039	Calcium	371000	371000	0 (≤30)	-	-
	Chromium	16.5	16.4	1 (≤30)	-	-
	Magnesium	134000	137000	2 (≤30)	-	-
	Potassium	53700	56000	4 (≤30)	-	-
	Sodium	471000	478000	1 (≤30)	-	-

SDG	Analyte	Concentration (ug/L)		RPD (Limits)	Flag	A or P
		LVWPS-MW206A-20211022	LVWPS-MW206A-20211022-FD			
L1421565	Calcium	542000	545000	1 (≤30)	-	-
	Chromium	28.8	29.2	1 (≤30)	-	-
	Magnesium	215000	215000	0 (≤30)	-	-
	Potassium	111000	111000	0 (≤30)	-	-
	Sodium	500000	501000	0 (≤30)	-	-

* Indicates Stage 2B validation
** Indicates Stage 4 validation

SDG	Analyte	Concentration (ug/L)		RPD (Limits)	Flag	A or P
		ES-50-20211101	ES-50-20211101-FD			
L1425080	Calcium	43100	41400	4 (≤30)	-	-
	Chromium	25.4	24.6	3 (≤30)	-	-
	Magnesium	21100	19900	6 (≤30)	-	-
	Potassium	16100	15600	3 (≤30)	-	-
	Sodium	145000	141000	3 (≤30)	-	-

SDG	Analyte	Concentration (ug/L)		RPD (Limits)	Flag	A or P
		NERT3.58N1-20211102	NERT3.58N1-20211102-FD			
L1425714	Calcium	526000	552000	5 (≤30)	-	-
	Magnesium	294000	298000	1 (≤30)	-	-
	Potassium	64600	67100	4 (≤30)	-	-
	Sodium	1000000	1030000	3 (≤30)	-	-

SDG	Analyte	Concentration (ug/L)		RPD (Limits)	Flag	A or P
		WMW3.5S-20211104	WMW3.5S-20211104-FD			
L1426982	Calcium	269000	258000	4 (≤30)	-	-
	Iron	3.35	3.02	10 (≤30)	-	-
	Magnesium	105000	101000	4 (≤30)	-	-
	Potassium	49100	46800	5 (≤30)	-	-
	Sodium	343000	327000	5 (≤30)	-	-

* Indicates Stage 2B validation
** Indicates Stage 4 validation

SDG	Analyte	Concentration (ug/L)		RPD (Limits)	Flag	A or P
		ES-23A-20211108	ES-23A-20211108-FD			
L1428279	Calcium	580000	568000	2 (≤30)	-	-
	Iron	20.5U	58.1	200 (≤30)	NQ	-
	Chromium	13.4	13.5	1 (≤30)	-	-
	Magnesium	185000	184000	1 (≤30)	-	-
	Potassium	91600	90100	2 (≤30)	-	-
	Sodium	383000	377000	2 (≤30)	-	-

SDG	Analyte	Concentration (ug/L)		RPD (Limits)	Flag	A or P
		MW-21R-20211110	MW-21R-20211110-FD			
L1429196	Calcium	489000	498000	2 (≤30)	-	-
	Chromium	2.00	1.63U	200 (≤30)	NQ	-
	Magnesium	202000	204000	1 (≤30)	-	-
	Potassium	73600	64700	13 (≤30)	-	-
	Sodium	629000	635000	1 (≤30)	-	-

SDG	Analyte	Concentration (ug/L)		RPD (Limits)	Flag	A or P
		PC-205B-20220110	PC-205B-20220110-FD			
L1449351	Arsenic	70.8	74.3	5 (≤30)	-	-
	Boron	1250	1240	1 (≤30)	-	-
	Calcium	389000	392000	1 (≤30)	-	-
	Magnesium	325000	324000	0 (≤30)	-	-
	Manganese	444	447	1 (≤30)	-	-
	Potassium	86400	87000	1 (≤30)	-	-

* Indicates Stage 2B validation
** Indicates Stage 4 validation

SDG	Analyte	Concentration (ug/L)		RPD (Limits)	Flag	A or P
		PC-205B-20220110	PC-205B-20220110-FD			
	Sodium	564000	566000	0 (≤30)	-	-
	Strontium	9940	10100	2 (≤30)	-	-
	Vanadium	31.0	27.2	13 (≤30)	-	-

SDG	Analyte	Concentration (ug/L)		RPD (Limits)	Flag	A or P
		NERT5.20S3-20220111	NERT5.20S3-20220111-FD			
L1449987	Calcium	626000	617000	1 (≤30)	-	-
	Chromium	35.6	35.2	1 (≤30)	-	-
	Magnesium	237000	234000	1 (≤30)	-	-
	Potassium	81400	81300	0 (≤30)	-	-
	Sodium	649000	639000	2 (≤30)	-	-

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

XI. Target Analyte Quantitation

All target analyte quantitations were acceptable for samples which underwent Stage 4 validation. Raw data were not reviewed for Stage 2A and Stage 2B validation.

XII. Overall Assessment of Data

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

Due to laboratory blank contamination, six results were qualified as estimated in six samples.

Due to equipment blank contamination, nine results were qualified as estimated in six samples.

NERT RI, Phase 3, 2021-2022
Metals - Data Qualification Summary - SDGs L1414445, 550-161754-1, 550-162422-1, L1413601, L1414236, L1414932, L1415470, L1416362, L1416883, L1417492, L1417493, L1418041, L1418050, L1418554, L1419366, L1419830, L1420407, L1420412, L1421039, L1421565, L1425080, L1425714, L1426343, L1426982, L1427569, L1428279, L1428753, L1429196, L1449351, L1449352, L1449987, L1450402

No Sample Data Qualified in this SDG

NERT RI, Phase 3, 2021-2022
Metals - Laboratory Blank Data Qualification Summary - SDGs L1414445, 550-161754-1, 550-162422-1, L1413601, L1414236, L1414932, L1415470, L1416362, L1416883, L1417492, L1417493, L1418041, L1418050, L1418554, L1419366, L1419830, L1420407, L1420412, L1421039, L1421565, L1425080, L1425714, L1426343, L1426982, L1427569, L1428279, L1428753, L1429196, L1449351, L1449352, L1449987, L1450402

SDG	Sample	Analyte	Modified Final Concentration	A or P	Code
L1416362	PC-97-20211011	Iron	22.5J ug/L	A	bl, bb
L1416362	PC-198-20211011	Chromium Manganese	2.37J ug/L 2.30J ug/L	A	bl, bb, ba
L1416362	PC-199-20211011	Chromium	2.32J ug/L	A	bl, bb
L1416362	PC-198-20211011-FD	Chromium Manganese	2.14J ug/L 2.24J ug/L	A	bl, bb
L1416362	PC-94-20211011	Chromium Iron	1.86J ug/L 24.3J ug/L	A	bl, bb
L1416362	PC-90-20211011-EB	Strontium	2.23J ug/L	A	bl, bb

* Indicates Stage 2B validation
** Indicates Stage 4 validation

NERT RI, Phase 3, 2021-2022
Metals - Field Blank Data Qualification Summary - SDGs L1414445, 550-161754-1, 550-162422-1, L1413601, L1414236, L1414932, L1415470, L1416362, L1416883, L1417492, L1417493, L1418041, L1418050, L1418554, L1419366, L1419830, L1420407, L1420412, L1421039, L1421565, L1425080, L1425714, L1426343, L1426982, L1427569, L1428279, L1428753, L1429196, L1449351, L1449352, L1449987, L1450402

SDG	Sample	Analyte	Modified Final Concentration	A or P	Code
L1414236	PC-58-20211006	Potassium	35400J+ ug/L	A	be, ba
L1416362	PC-90-20211011	Potassium	13400J+ ug/L	A	be, ba
L1418041	WMW6.15N--20211014	Potassium	48800J+ ug/L	A	be, ba
L1418041	WMW6.15N--20211014-FD	Potassium	50000J+ ug/L	A	be, ba
L1421039	NERT5.11S1-20211021	Potassium	53700J+ ug/L	A	be, ba
L1421039	NERT5.11S1-20211021-FD	Potassium	56000J+ ug/L	A	be, ba

* Indicates Stage 2B validation
** Indicates Stage 4 validation

ATTACHMENT C

Wet Chemistry Data Validation Report

Alkalinity by Standard Method 2320B
Bromide, Nitrate as Nitrogen, and Nitrite as Nitrogen by Environmental Protection Agency (EPA) SW 846 Method 9056A
Bromide, Chloride, Nitrate as Nitrogen, Nitrite as Nitrogen, and Sulfate by EPA Method 300.0
Chlorate by EPA Method 300.1
Hexavalent Chromium by EPA SW 846 Method 7196A
Hexavalent Chromium by EPA SW 846 Method 7199
Hexavalent Chromium by Standard Method 3500-Cr C
Perchlorate by EPA Method 314.0
Total Solids by Standard Method 2540G
Total Dissolved Solids by Standard Method 2540C

I. Sample Receipt and Technical Holding Times

All samples were received in good condition.

The chain-of-custodies were reviewed for documentation of cooler temperatures.

Cooler temperatures for all samples in SDG L1413601 were reported at 14.27°C, cooler temperatures for all samples in SDG L1414236 were reported at 12.23°C, cooler temperatures for all samples in SDG L1414932 were reported at 10.2°C, cooler temperatures for all samples in SDG L1415470 were reported at 7.8°C, cooler temperatures for all samples in SDG L1416362 were reported at 11.5°C, cooler temperatures for all samples in SDG L1416883 were reported at 19.4°C, cooler temperatures for all samples in SDG L1417492 were reported at 19.3°C, and cooler temperatures for all samples in SDG L1418041 were reported at 15.2°C upon receipt by the laboratory. The samples were received the same day they were collected and did not have sufficient time to cool down. No data was qualified based on the cooler temperature.

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
L1414236	PC-56-20211006RE PC-56-20211006-FDRE	Nitrate as N Nitrite as N	52 hours	48 hours	J- (all detects) UJ (all non-detects) J- (all detects) UJ (all non-detects)	P
L1414236	PC-58-20211006-EBRE	Nitrate as N Nitrite as N	54 hours	48 hours	J- (all detects) UJ (all non-detects) J- (all detects) UJ (all non-detects)	P

SDG	Sample	Analyte	Total Time From Sample Collection Until Analysis	Required Holding Time From Sample Collection Until Analysis	Flag	A or P
L1416362	PC-97-20211011	Nitrate as N Nitrite as N	53 hours	48 hours	J- (all detects) UJ (all non-detects) J- (all detects) UJ (all non-detects)	P
L1416362	PC-90-20211011	Nitrate as N Nitrite as N	50 hours	48 hours	J- (all detects) UJ (all non-detects) J- (all detects) UJ (all non-detects)	P
L1416883	PC-203-20211012	Total dissolved solids	10 days	7 days	J- (all detects)	P
L1418041	WMW6.9N--20211014	Total dissolved solids	12 days	7 days	J- (all detects)	P
L1426343	USGS-SE-20211103 MW-23-20211103 LVWPS-MW224A-20211103 LVWPS-MW219B-20211103	Total dissolved solids	11 days	7 days	J- (all detects)	P
L1426982	LVWPS-MW225A-20211104 LVWPS-MW225B-20211104 NERT3.60S1-20211104 NERT3.63S1-20211104	Hexavalent chromium	38 hours	24 hours	J- (all detects)	P
L1426982	WMW3.5S-20211104 WMW3.5S-20211104-FD	Hexavalent chromium	41 hours	24 hours	J- (all detects)	P
L1426982	NERT3.35S1-20211104	Hexavalent chromium	40 hours	24 hours	UJ (all non-detects)	P
L1426982	NERT3.40S1-20211104	Hexavalent chromium	39 hours	24 hours	UJ (all non-detects)	P
L1450402	FM-02A-20220112	Hexavalent chromium	35.0 hours	24 hours	J- (all detects)	P
L1450402	NERT3.60S2-20220112	Hexavalent chromium	33.5 hours	24 hours	UJ (all non-detects)	P
L1450402	ES-54-20220112	Hexavalent chromium	33.0 hours	24 hours	J- (all detects)	P
L1450402	ES-53-20220112	Hexavalent chromium	32.5 hours	24 hours	J- (all detects)	P

II. Initial Calibration

All criteria for the initial calibration of each method were met.

Initial calibration data were not reviewed for Stage 2A validation.

III. Continuing Calibration

Continuing calibration frequency and analysis criteria were met for each method when applicable with the following exceptions:

SDG	Date	Lab. Reference/ID	Analyte	%R (Limits)	Associated Samples	Flag	A or P
L1416044	10/18/21	CCV (08:51)	Perchlorate	127 (85-115)	PC-205-60.0-20211006*	J+ (all detects)	P
L1416044	10/18/21	CCV (08:51)	Perchlorate	127 (85-115)	PC-205-70.0-20211006* PC-205-80.0-20211006* PC-205-90.0-20211007*	NA	-
L1419203	10/29/21	CCV (09:24)	Perchlorate	140 (85-115)	TB-H6-60.0-20211012* TB-H6-70.0-20211012*	J+ (all detects)	P
L1419203	10/29/21	CCV (09:24)	Perchlorate	140 (85-115)	TB-H6-80.0-20211012* TB-H6-90.0-20211012*	NA	-
L1419209	10/29/21	CCV (09:24)	Perchlorate	140 (85-115)	TB-I1-30.0-20211013* TB-I1-40.0-20211013*	J+ (all detects)	P
L1419209	10/29/21	CCV (09:24)	Perchlorate	140 (85-115)	TB-I1-10.0-20211013* TB-I1-20.0-20211013* TB-I1-50.0-20211013* TB-I1-60.0-20211013*	NA	-

Continuing calibration data were not reviewed for Stage 2A validation.

IV. Laboratory Blanks

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

SDG	Blank ID	Analyte	Maximum Concentration	Associated Samples
L1414445	ICB/CCB	Hexavalent chromium	0.004 mg/L	PC-205-0.0-20211005** PC-205-5.0-20211005* PC-205-9.5-20211005* PC-205A-0.0-20211005* PC-205A-5.0-20211005*
L1417036	ICB/CCB	Perchlorate	0.0009125 mg/L	NERT5.20S-10.0-2011008**
L1416883	PB (prep blank)	Perchlorate	1.32 ug/L	PC-204-20211012 WMW6.9S-20211012
L1418041	PB (prep blank)	Perchlorate	1.32 ug/L	All samples in SDG L1418041

* Indicates Stage 2B validation
** Indicates Stage 4 validation

SDG	Blank ID	Analyte	Maximum Concentration	Associated Samples
L1426982	PB (prep blank)	Chloride	400 ug/L	WMW3.5S-20211104-FD NERT3.35S1-20211104 NERT3.35S1-20211104-EB NERT3.40S1-20211104 NERT3.58S1-20211104 NERT3.60S1-20211104 NERT3.63S1-20211104 NERT3.80S1-20211104 NERT3.98S1-20211104

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

SDG	Sample	Analyte	Reported Concentration	Modified Final Concentration
L1418041	WMW6.15N--20211014-EB	Perchlorate	3.05 ug/L	3.05J+ ug/L
L1426982	NERT3.35S1-20211104-EB	Chloride	479 ug/L	479J+ ug/L

V. Field Blanks

Sample M-103-20210412-EB (from SDG 550-161754-1), samples PC-58-20211006-EB and PC-58-20211006-EBRE (both from SDG L1414236), PC-90-20211011-EB (from SDG L1416362), WMW6.15N--20211014-EB (from SDG L1418041), LVWPS-MW110-20211014-EB (from SDG L1418050), LVWPS-MW107C-20211019-EB (from SDG L1419830), NERT5.11S1-20211021-EB (from SDG L1421039), LVWPS-MW206A-20211022-EB (from SDG L1421565), ES-50-20211101-EB (from SDG L1425080), NERT3.60N1-20211102-EB (from SDG L1425714), NERT3.35S1-20211104-EB (from SDG L1426982), AA-26-20211108-EB (from SDG L1428279), MW-21R-20211110-EB (from SDG L1429196), NERT5.98S1-20220110-EB (from SDG L1449352), and NERT4.29N1-20220111-EB (from SDG L1449987) were identified as equipment blanks. No contaminants were found with the following exceptions:

SDG	Blank ID	Collection Date	Analyte	Concentration	Associated Samples
L1414236	PC-58-20211006-EB	10/06/21	Total dissolved solids Alkalinity	30000 ug/L 20500 ug/L	PC-58-20211006
L1414236	PC-58-20211006-EBRE	10/06/21	Chloride Nitrate as N Sulfate	557000 ug/L 4720 ug/L 759000 ug/L	PC-58-20211006

SDG	Blank ID	Collection Date	Analyte	Concentration	Associated Samples
L1416362	PC-90-20211011-EB	10/11/21	Total dissolved solids Alkalinity Chloride Sulfate Chlorate	31100 ug/L 20600 ug/L 626 ug/L 715 ug/L 64.9 ug/L	PC-90-20211011
L1418041	WMW6.15N--20211014-EB	10/14/21	Total dissolved solids Alkalinity Chlorate Perchlorate	17000 ug/L 28500 ug/L 33.4 ug/L 3.05 ug/L	WMW6.15N--20211014 WMW6.15N--20211014-FD
L1418050	LVWPS-MW110-20211014-EB	10/14/21	Total dissolved solids Alkalinity	14000 ug/L 22300 ug/L	LVWPS-MW110-20211014
L1419830	LVWPS-MW107C-20211019-EB	10/19/21	Total dissolved solids Alkalinity	34000 ug/L 22800 ug/L	LVWPS-MW107C-20211019
L1421039	NERT5.11S1-20211021-EB	10/21/21	Total dissolved solids Alkalinity	11000 ug/L 20300 ug/L	NERT5.11S1-20211021 NERT5.11S1-20211021-FD
L1421565	LVWPS-MW206A-20211022-EB	10/22/21	Total dissolved solids Alkalinity Chloride	18000 ug/L 21300 ug/L 474 ug/L	LVWPS-MW206A-20211022 LVWPS-MW206A-20211022-FD
L1425080	ES-50-20211101-EB	11/01/21	Alkalinity Chloride Nitrate as N	13100 ug/L 567 ug/L 102 ug/L	ES-50-20211101 ES-50-20211101-FD
L1425714	NERT3.60N1-20211102-EB	11/02/21	Total dissolved solids Chloride Nitrate as N	110000 ug/L 452 ug/L 110 ug/L	NERT3.60N1-20211102
L1426982	NERT3.35S1-20211104-EB	11/04/21	Chloride Nitrate as N	479 ug/L 115 ug/L	NERT3.35S1-20211104
L1429196	MW-21R-20211110-EB	11/10/21	Nitrate as N	64.8 ug/L	MW-21R-20211110 MW-21R-20211110-FD
L1449352	NERT5.98S1-20220110-EB	01/10/22	Nitrate as N	88.1 ug/L	NERT5.98S1-20220110
L1449987	NERT4.29N1-20220111-EB	01/11/22	Chloride Sulfate	487 ug/L 727 ug/L	NERT4.29N1-20220111

Sample M-103-20210412-FB (from SDG 550-161754-1) was identified as a field blank. No contaminants were found with the following exceptions:

SDG	Blank ID	Collection Date	Analyte	Concentration	Associated Samples
550-161754-1	M-103-20210412-FB	04/12/21	Chlorate	6 ug/L	M-103-20210412 M-103-20210412-DUP

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

SDG	Sample	Analyte	Reported Concentration	Modified Final Concentration
L1418041	WMW6.15N--20211014	Alkalinity	186000 ug/L	186000J+ ug/L
L1418041	WMW6.15N--20211014-FD	Alkalinity	191000 ug/L	191000J+ ug/L
L1418050	LVWPS-MW110-20211014	Alkalinity	109000 ug/L	109000J+ ug/L
L1419830	LVWPS-MW107C-20211019	Alkalinity	97200 ug/L	97200J+ ug/L
L1421039	NERT5.11S1-20211021	Alkalinity	148000 ug/L	148000J+ ug/L
L1421039	NERT5.11S1-20211021-FD	Alkalinity	147000 ug/L	147000J+ ug/L
L1421565	LVWPS-MW206A-20211022	Alkalinity	117000 ug/L	117000J+ ug/L
L1421565	LVWPS-MW206A-20211022-FD	Alkalinity	118000 ug/L	118000J+ ug/L

VI. Surrogates

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

VII. 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
L1392242	ES-55-10.0-20210818MS/MSD* (All samples in SDG L1392242)	Perchlorate	79.2 (80-120)	-	J- (all detects) UJ (all non-detects)	A

SDG	Spike ID (Associated Samples)	Analyte	MS (%R) (Limits)	MSD (%R) (Limits)	Flag	A or P
L1392933	ES-55-10.0-20210818MS/MSD* (All samples in SDG L1392933)	Perchlorate	79.2 (80-120)	-	J- (all detects) UJ (all non-detects)	A
L1414445	PC-205-5.0-20211005MS/MSD* (All samples in SDG L1414445)	Chlorate	79.2 (80-120)	75.2 (80-120)	UJ (all non-detects)	A
L1414445	PC-205B-5.0-20211005MS/MSD* (PC-205A-9.5-20211005* PC-205B-0.0-20211005* PC-205B-5.0-20211005* PC-205B-9.5-20211005* PC-205A-9.5-20211005-FD*)	Hexavalent chromium	48 (75-125)	58.1 (75-125)	UJ (all non-detects)	A
L1414445	PC-205A-9.5-20211005-FDMS/MSD* (PC-205-0.0-20211005** PC-205-9.5-20211005* PC-205A-0.0-20211005* PC-205A-9.5-20211005* PC-205B-0.0-20211005* PC-205A-9.5-20211005-FD*)	Perchlorate	129 (80-120)	-	J+ (all detects)	A
L1414445	PC-205A-9.5-20211005-FDMS/MSD* (PC-205-5.0-20211005* PC-205A-5.0-20211005* PC-205B-5.0-20211005* PC-205B-9.5-20211005*)	Perchlorate	129 (80-120)	-	NA	-
L1414445	PC-205A-0.0-20211005MS/MSD* (All samples in SDG L1414445)	Bromide Nitrate as N	51.1 (80-120) 72.2 (80-120)	36.1 (80-120) -	J- (all detects) UJ (all non-detects) J- (all detects) UJ (all non-detects)	A
L1414548	NERT5.98S-70.0-20211005MS/MSD* (All samples in SDG L1414548)	Chlorate	72.2 (85-115)	75.9 (85-115)	J- (all detects) UJ (all non-detects)	A
L1416044	NERT5.20S-60.0-2011008-FDMS/MSD* (All samples in SDG L1416044)	Chlorate	80.1 (85-115)	78.1 (85-115)	J- (all detects) UJ (all non-detects)	A
L1416044	PC-205A-9.5-20211005-FDMS/MSD* (PC-205-20.0-20211006* PC-205-30.0-20211006* PC-205-40.0-20211006* PC-205-50.0-20211006* PC-205-60.0-20211006*)	Perchlorate	129 (80-120)	-	J+ (all detects)	A
L1416044	PC-205A-9.5-20211005-FDMS/MSD* (PC-205-70.0-20211006* PC-205-80.0-20211006* PC-205-90.0-20211007*)	Perchlorate	129 (80-120)	-	NA	-
L1416077	TB-H1-10.0-20211007MS/MSD* (All samples in SDG L1416077)	Chlorate	76.6 (85-115)	74.9 (85-115)	J- (all detects) UJ (all non-detects)	A

* Indicates Stage 2B validation
** Indicates Stage 4 validation

SDG	Spike ID (Associated Samples)	Analyte	MS (%R) (Limits)	MSD (%R) (Limits)	Flag	A or P
L1417036	NERT5.20S-60.0-2011008-FDMS/MSD* (All samples in SDG L1417036)	Chlorate	80.1 (85-115)	78.1 (85-115)	J- (all detects) UJ (all non-detects)	A
L1417036	NERT6.21N-10.0-20211011MS/MSD* (NERT5.20S-10.0-2011008** NERT5.20S-20.0-2011008** NERT5.20S-30.0-2011008** NERT5.20S-40.0-2011008** NERT5.20S-50.0-2011008** NERT5.20S-60.0-2011008** NERT5.20S-60.0-2011008-FD** NERT5.20S-70.0-2011011**)	Perchlorate	-	158 (80-120)	J+ (all detects)	A
L1417036	NERT6.21N-10.0-20211011MS/MSD* (NERT5.20S-80.0-2011011** NERT5.20S-90.0-2011011**)	Perchlorate	-	158 (80-120)	NA	-
L1417645	TB-H1-10.0-20211007MS/MSD* (NERT5.26N-30.0-20211012* NERT5.26N-40.0-20211012* NERT5.26N-50.0-20211012* NERT5.26N-60.0-20211012*)	Chlorate	76.6 (85-115)	74.9 (85-115)	UJ (all non-detects)	A
L1417645	TB-I1-90.0-20211013MS/MSD* (NERT5.26N-70.0-20211012* NERT5.26N-80.0-20211012* NERT5.26N-90.0-20211012*)	Chlorate	79 (85-115)	76.1 (85-115)	UJ (all non-detects)	A
L1418229	TB-H6-10.0-20211012MS/MSD* (All samples in SDG L1418229)	Chlorate	72.8 (85-115)	77.3 (85-115)	UJ (all non-detects)	A
L1418229	NERT6.21N-10.0-20211011MS/MSD* (NERT6.21N-10.0-20211011* NERT6.21N-30.0-20211011* NERT6.21N-40.0-20211012* NERT6.21N-50.0-20211012* NERT6.21N-60.0-20211012*)	Perchlorate	-	158 (80-120)	J+ (all detects)	A
L1418229	NERT6.21N-10.0-20211011MS/MSD* (NERT6.21N-20.0-20211011* NERT6.21N-70.0-20211012* NERT6.21N-80.0-20211012* NERT6.21N-90.0-20211012* NERT6.21N-90.0-20211012-FD*)	Perchlorate	-	158 (80-120)	NA	-
L1419203	TB-H6-10.0-20211012MS/MSD* (All samples in SDG L1419203)	Chlorate	72.8 (85-115)	77.3 (85-115)	J- (all detects) UJ (all non-detects)	A
L1419209	TB-I1-90.0-20211013MS/MSD* (All samples in SDG L1419209)	Chlorate	79 (85-115)	76.1 (85-115)	J- (all detects) UJ (all non-detects)	A

SDG	Spike ID (Associated Samples)	Analyte	MS (%R) (Limits)	MSD (%R) (Limits)	Flag	A or P
L1419210	TB-I1-90.0-20211013MS/MSD* (TB-I2-10.0-20211013* TB-I2-20.0-20211013* TB-I2-30.0-20211013* TB-I2-40.0-20211013* TB-I2-50.0-20211013* TB-I2-60.0-20211013* TB-I2-70.0-20211014* TB-I2-80.0-20211014*)	Chlorate	79 (85-115)	76.1 (85-115)	J- (all detects) UJ (all non-detects)	A
L1419210	NERT-FM01-70.0-20211014MS/MSD* (TB-I2-90.0-20211014*)	Chlorate	74.4 (85-115)	70.8 (85-115)	UJ (all non-detects)	A
L1419214	NERT-FM01-70.0-20211014MS/MSD* (All samples in SDG L1419214)	Chlorate	74.4 (85-115)	70.8 (85-115)	UJ (all non-detects)	A
L1419218	NERT5.83N-10.0-20211013MS/MSD* (All samples in SDG L1419218)	Perchlorate	73.6 (80-120)	74.6 (80-120)	J- (all detects) UJ (all non-detects)	A
L1419224	NERT4.29N-30.0-20211014MS/MSD* (All samples in SDG L1419224)	Chlorate	83.8 (85-115)	80.8 (85-115)	UJ (all non-detects)	A
L1420457	NERT3.94N-10.0-20211018MS/MSD* (NERT3.94N-20.0-20211018* NERT3.94N-30.0-20211018* NERT3.94N-40.0-20211018* NERT3.94N-50.0-20211018* NERT3.94N-60.0-20211018* NERT3.94N-70.0-20211018*)	Perchlorate	125 (80-120)	-	J+ (all detects)	A
L1420457	NERT3.94N-10.0-20211018MS/MSD* (NERT3.94N-10.0-20211018* NERT3.94N-90.0-20211018*)	Perchlorate	125 (80-120)	-	NA	-
L1420457	NERT4.29N-30.0-20211014MS/MSD* (All samples in SDG L1420457)	Chlorate	83.8 (85-115)	80.8 (85-115)	J- (all detects) UJ (all non-detects)	A
L1420458	NERT3.94N-10.0-20211018MS/MSD* (All samples in SDG L1420458)	Perchlorate	125 (80-120)	-	NA	-
L1413601	PC-53-20211005MS/MSD (All samples in SDG L1413601)	Hexavalent chromium	79.4 (90-110)	-	J- (all detects)	A
L1414932	PC-79-20211007MS/MSD (PC-79-20211007)	Bromide	0 (80-120)	0 (80-120)	R (all non-detects)	A
L1418041	WMW6.9N--20211014MS/MSD (WMW6.15N--20211014 WMW6.15N--20211014-FD WMW6.9N--20211014)	Bromide	76.3 (80-120)	76.4 (80-120)	UJ (all non-detects)	A
L1420407	MCF-28A-20211020MS/MSD (MCF-28A-20211020)	Hexavalent chromium	0 (90-110)	0 (90-110)	R (all non-detects)	A

* Indicates Stage 2B validation
** Indicates Stage 4 validation

SDG	Spike ID (Associated Samples)	Analyte	MS (%R) (Limits)	MSD (%R) (Limits)	Flag	A or P
L1421039	MCF-31A-20211021MS/MSD (MCF-31A-20211021)	Hexavalent chromium	0 (90-110)	0 (90-110)	R (all non-detects)	A
L1425714	LVWPS-MW212D-20211102MS/MSD (LVWPS-MW212D-20211102)	Hexavalent chromium	89.1 (90-110)	-	J- (all detects)	A
L1426982	LVWPS-MW225A-20211104MS/MSD (LVWPS-MW225A-20211104)	Chlorate	982 (75-125)	977 (75-125)	J+ (all detects)	A

SDG	Spike ID (Associated Samples)	Analyte	MS (%R) (Limits)	Flag	A or P
L1414236	PC-201-20211006MS (PC-201-20211006 PC-58-20211006 PC-56-20211006 PC-56-20211006-FD)	Bromide	70.5 (80-120)	UJ (all non-detects)	A
L1415470	PC-156B-20211008MS (All samples in SDG L1415470)	Bromide	0 (80-120)	R (all non-detects)	A
L1416883	WMW6.15S-20211012MS (All samples in SDG L1416883)	Bromide	0 (80-120)	R (all non-detects)	A
L1417492	PC-103-20211013MS (All samples in SDG L1417492)	Bromide	74.1 (80-120)	UJ (all non-detects)	A
L1418554	NERT4.93S1-20211015MS (NERT4.93S1-20211015)	Chloride	29.3 (80-120)	J- (all detects)	A
L1418554	NERT4.93S1-20211015MS (NERT4.93S1-20211015)	Nitrate as N	76.6 (80-120)	J- (all detects)	A
L1418554	LVWPS-MW226B-20211015MS (LVWPS-MW226B-20211015)	Hexavalent chromium	6.15 (90-110)	R (all non-detects)	A
L1420412	MCF-29A-20211020MS (LVWPS-MW204C-20211020 MCF-29A-20211020 MCF-29B-20211020)	Nitrate as N	0 (80-120)	R (all non-detects)	A
L1420412	MCF-29A-20211020MS (LVWPS-MW209-20211020 LVWPS-MW209A-20211020 LVWPS-MW209B-20211020 LVWPS-MW209C-20211020 LVWPS-MW211-20211020 LVWPS-MW213-20211020 LVWPS-MW217C-20211020)	Nitrate as N	0 (80-120)	J- (all detects)	A

For PC-94D-50.0-20210819MS/MSD* (from SDG L1393506), NERT5.98S-50.0-20211005MS/MSD* (from SDG L1414548), TB-H6-20.0-20211012MS/MSD* (from SDG L1419203), ES-58-60.0-20211020MS/MSD* (from SDG L1420648), and NERT5.80S-10.0-20211027MS/MSD* (from SDG L1424441), no data were qualified for perchlorate percent recoveries (%R) outside the QC limits since the parent sample results were greater than 4X the spike concentration.

For PC-201-20211006MS (from SDG L1414236), PC-85-20211007MS (from SDG L1414932), WMW6.9N-20211014MS/MSD (from SDG L1418041), NERT4.71S1-20211101MS (from SDG L1425080), NERT4.51S1-20211102MS/MSD (from SDG L1425714), NERT3.35S1-20211104MS (from SDG L1426982), and MW-16-20211105MS/MSD (from SDG L1427569), no data were qualified for chloride and sulfate percent recoveries (%R) outside the QC limits since the parent sample results were greater than 4X the spike concentration.

For PC-79-20211007MS (from SDG L1414932), PC-156B-20211008MS (from SDG L1415470), WMW6.15S-20211012MS (from SDG L1416883), PC-103-20211013MS (from SDG L1417492), and LVWPS-MW203A-20211015MS (from SDG L1418554), no data were qualified for chloride percent recoveries (%R) outside the QC limits since the parent sample results were greater than 4X the spike concentration.
For NERT4.93S1-20211015MS (from SDG L1418554), no data were qualified for sulfate percent recoveries (%R) outside the QC limits since the parent sample results were greater than 4X the spike concentration.

For DBMW-20-20211104MS/MSD (from SDG L1426982), hexavalent chromium percent recoveries (%R) and relative percent differences (RPD) were not within QC limits. No data were qualified since there were no associated samples in this SDG.

For NERT5.4952-20220110MS/MSD (from SDG L1449352) and NERT3.94N1-20220111MS/MSD (from SDG L1449987), no data were qualified for perchlorate percent recoveries (%R) outside the QC limits since the parent sample results were greater than 4X the spike concentration.
Relative percent differences (RPD) were within QC limits with the following exceptions:

SDG	Spike ID (Associated Samples)	Analyte	RPD (Limits)	Flag	A or P
L1414445	PC-205A-0.0-20211005MS/MSD* (All samples in SDG L1414445)	Bromide	34.3 (≤15)	UJ (all non-detects)	A

VIII. Duplicate Sample Analysis

Duplicate (DUP) sample analysis was performed on an associated project sample. Results were within QC limits with the following exceptions:

SDG	DUP ID (Associated Samples)	Analyte	RPD (Limits)	Difference (Limits)	Flag	A or P
L1392933	ES-55-50.0-20210818DUP* (ES-55-50.0-20210818*)	Chlorate	32.4 (≤20)	-	J (all detects)	A
L1414548	NERT5.63S-60.0-20211006DUP* (NERT5.63S-60.0-20211006*)	Perchlorate	-	0.19556 mg/Kg (≤0.1178)	J (all detects)	A
L1424441	NERT5.80S-10.0-20211027DUP* (All samples in SDG L1424441)	Perchlorate	21 (≤20)	-	J (all detects) UJ (all non-detects)	A
L1416883	PC-203-20211012DUP (PC-203-20211012)	Total dissolved solids	5.21 (≤5)	-	J (all detects)	A
L1421039	NERT5.11S1-20211021-EBDUP (NERT5.11S1-20211021-EB)	Total dissolved solids	16.7 (≤5)	-	J (all detects)	A
L1425714	LVWPS-MW212A-20211102DUP (LVWPS-MW212A-20211102 LVWPS-MW212B-20211102 LVWPS-MW212C-20211102 LVWPS-MW212D-20211102 LVWPS-MW221A-20211102 LVWPS-MW221B-20211102 NERT4.51S1-20211102 NERT3.58N1-20211102 NERT3.60N1-20211102 WMW3.5N-20211102 NERT4.21N1-20211102 NERT4.38N1-20211102 LNDMW-2-20211102 NERT3.58N1-20211102-FD)	Total dissolved solids	20.9 (≤5)	-	J (all detects)	A
L1425714	LVWPS-MW212B-20211102DUP (LVWPS-MW212A-20211102 LVWPS-MW212B-20211102 LVWPS-MW212C-20211102 LVWPS-MW212D-20211102 LVWPS-MW221A-20211102 LVWPS-MW221B-20211102 NERT4.51S1-20211102 NERT3.58N1-20211102 NERT3.60N1-20211102 WMW3.5N-20211102 NERT4.21N1-20211102 NERT4.38N1-20211102 LNDMW-2-20211102 NERT3.58N1-20211102-FD)	Total dissolved solids	15.1 (≤5)	-	J (all detects)	A
L1426343	MW-02-20211103DUP (USGS-SE-20211103 MW-23-20211103 LVWPS-MW224A-20211103 LVWPS-MW219B-20211103)	Total dissolved solids	13.9 (≤5)	-	J (all detects)	A

* Indicates Stage 2B validation
** Indicates Stage 4 validation

SDG	DUP ID (Associated Samples)	Analyte	RPD (Limits)	Difference (Limits)	Flag	A or P
L1426343	MW-23-20211103DUP (USGS-SE-20211103 MW-23-20211103 LVWPS-MW224A-20211103 LVWPS-MW219B-20211103)	Total dissolved solids	14.8 (≤5)	-	J (all detects)	A
L1426982	WMW3.5S-20211104-FDDUP (WMW3.5S-20211104-FD NERT3.35S1-20211104 NERT3.40S1-20211104 NERT3.58S1-20211104 NERT3.60S1-20211104 NERT3.63S1-20211104 NERT3.80S1-20211104 NERT3.98S1-20211104)	Chloride	42.1 (≤20)	-	J (all detects) UJ (all non-detects)	A
L1495345	NERT5.15S1-20220519DUP (NERT5.15S1-20220519)	Total dissolved solids	17 (≤5)	-	J (all detects)	A
L1495345	NERT5.15S2-20220519DUP (NERT5.15S2-20220519)	Total dissolved solids	20.2 (≤5)	-	J (all detects)	A

IX. 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.

X. Field Duplicates

Samples PC-94D-40.0-20210819* and PC-94D-40.0-20210819-FD* (both from SDG L1393506), samples PC-205A-9.5-20211005* and PC-205A-9.5-20211005-FD* (both from SDG L1414445), samples NERT5.63S-90.0-20211006* and NERT5.63S-90.0-20211006-FD* (both from SDG L1414548), samples NERT5.20S-60.0-2011008** and NERT5.20S-60.0-2011008-FD** (both from SDG L1417036), samples NERT6.21N-90.0-20211012* and NERT6.21N-90.0-20211012-FD* (both from SDG L1418229), samples NERT-FM01-90.0-20211014* and NERT-FM01-90.0-20211014-FD* (both from SDG L1419214), samples NERT5.83N-10.0-20211013* and NERT5.83N-10.0-20211013-FD* (both from SDG L1419218), samples NERT4.29N-80.0-20211015* and NERT4.29N-80.0-20211015-FD* (both from SDG L1419224), samples ES-58-90.0-20211020* and ES-58-90.0-20211020-FD* (both from SDG L1420648), samples ES-57-90.0-20211022* and ES-57-90.0-20211022-FD* (both from SDG L1421799), samples M-103-20210412 and M-103-20210412-DUP (both from SDG 550-161754-1), samples PC-56-20211006 and PC-56-20211006RE (both from SDG L1414236), samples PC-56-20211006-FD and PC-56-20211006-FDRE (both from SDG L1414236), samples PC-198-20211011 and PC-198-20211011-FD (both from SDG L1416362), samples WMW6.15N--20211014 and WMW6.15N--20211014-FD (both from SDG L1418041), samples ZTS-MW115-20211014 and ZTS-MW115-20211014-FD (both from SDG L1418050), samples LVWPS-MW204A-20211019 and LVWPS-MW204A-20211019-FD (both from SDG L1419830), samples NERT5.11S1-20211021 and NERT5.11S1-20211021-FD (both from SDG L1421039), samples LVWPS-MW206A-20211022 and LVWPS-MW206A-20211022-FD (both from SDG L1421565), samples ES-50-20211101 and ES-50-20211101-FD (both from SDG L1425080), samples NERT3.58N1-20211102 and NERT3.58N1-20211102-FD (both from SDG L1425714), samples WMW3.5S-20211104 and WMW3.5S-20211104-FD (both from SDG L1426982), samples ES-23A-20211108 and ES-23A-20211108-FD (both from SDG L1428279), samples MW-21R-20211110 and MW-21R-20211110-FD (both from SDG L1429196), samples PC-205B-20220110 and PC-205B-20220110-FD (both from SDG L1449351), and samples NERT5.20S3-20220111 and NERT5.20S3-20220111-FD (both from SDG L1449987) were identified as field duplicates. No results were detected in any of the samples with the following exceptions:

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		PC-94D-40.0-20210819*	PC-94D-40.0-20210819-FD*			
L1393506	Total solids	64.7%	66.3%	2 (≤50)	-	-
	Chlorate	8.35 mg/Kg	7.52 mg/Kg	10 (≤50)	-	-
	Perchlorate	1.83 mg/Kg	1.63 mg/Kg	12 (≤50)	-	-

* Indicates Stage 2B validation
** Indicates Stage 4 validation

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		PC-205A-9.5-20211005*	PC-205A-9.5-20211005-FD*			
L1414445	Total solids	86.3%	84.4%	2 (≤50)	-	-
	Perchlorate	0.0430 mg/Kg	0.0350 mg/Kg	21 (≤50)	-	-

SDG	Analyte	Concentration (%)		RPD (Limits)	Flag	A or P
		NERT5.63S-90.0-20211006*	NERT5.63S-90.0-20211006-FD*			
L1414548	Total solids	73.5	69.4	6 (≤50)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		NERT5.20S-60.0-2011008**	NERT5.20S-60.0-2011008-FD**			
L1417036	Total solids	85.0%	87.6%	3 (≤50)	-	-
	Chlorate	1.49 mg/Kg	1.41 mg/Kg	6 (≤50)	-	-
	Perchlorate	0.570 mg/Kg	0.441 mg/Kg	26 (≤50)	-	-

SDG	Analyte	Concentration (%)		RPD (Limits)	Flag	A or P
		NERT6.21N-90.0-20211012*	NERT6.21N-90.0-20211012-FD*			
L1418229	Total solids	76.5	69.4	10 (≤50)	-	-

SDG	Analyte	Concentration (%)		RPD (Limits)	Flag	A or P
		NERT-FM01-90.0-20211014*	NERT-FM01-90.0-20211014-FD*			
L1419214	Total solids	68.4	76.0	11 (≤50)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		NERT5.83N-10.0-20211013*	NERT5.83N-10.0-20211013-FD*			
L1419218	Total solids	91.5%	95.3%	4 (≤50)	-	-
	Perchlorate	2.70 mg/Kg	2.07 mg/Kg	26 (≤50)	-	-

* Indicates Stage 2B validation
** Indicates Stage 4 validation

SDG	Analyte	Concentration (%)		RPD (Limits)	Flag	A or P
		NERT4.29N-80.0-20211015*	NERT4.29N-80.0-20211015-FD*			
L1419224	Total solids	93.4	91.2	2 (≤50)	-	-

SDG	Analyte	Concentration (%)		RPD (Limits)	Flag	A or P
		ES-58-90.0-20211020*	ES-58-90.0-20211020-FD*			
L1420648	Total solids	69.4	68.4	1 (≤50)	-	-

SDG	Analyte	Concentration (%)		RPD (Limits)	Flag	A or P
		ES-57-90.0-20211022*	ES-57-90.0-20211022-FD*			
L1421799	Total solids	77.3	78.4	1 (≤50)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		M-103-20210412	M-103-20210412-DUP			
550-161754-1	Nitrate as N	4.8 mg/L	4.8 mg/L	0 (≤30)	-	-
	Chlorate	530 ug/L	530 ug/L	0 (≤30)	-	-
	Perchlorate	270 ug/L	270 ug/L	0 (≤30)	-	-
	Total dissolved solids	1900 mg/L	1900 mg/L	0 (≤30)	-	-

* Indicates Stage 2B validation
** Indicates Stage 4 validation

SDG	Analyte	Concentration (ug/L)		RPD (Limits)	Flag	A or P
		PC-56-20211006	PC-56-20211006-FD			
L1414236	Total dissolved solids	2370000	2360000	0 (≤30)	-	-
	Alkalinity	246000	247000	0 (≤30)	-	-
	Chloride	578000	557000	4 (≤30)	-	-
	Nitrate as N	4660	4660	0 (≤30)	-	-
	Sulfate	785000	759000	3 (≤30)	-	-
	Chlorate	3240	3260	1 (≤30)	-	-
	Perchlorate	10200	10000	2 (≤30)	-	-
	Hexavalent chromium	3.27	3.24	1 (≤30)	-	-

SDG	Analyte	Concentration (ug/L)		RPD (Limits)	Flag	A or P
		PC-56-20211006RE	PC-56-20211006-FDRE			
L1414236	Nitrate as N	4710	4720	0 (≤30)	-	-

SDG	Analyte	Concentration (ug/L)		RPD (Limits)	Flag	A or P
		PC-198-20211011	PC-198-20211011-FD			
L1416362	Total dissolved solids	5390000	5430000	1 (≤30)	-	-
	Alkalinity	91200	86100	6 (≤30)	-	-
	Chloride	1080000	1110000	3 (≤30)	-	-
	Sulfate	2530000	2620000	3 (≤30)	-	-
	Perchlorate	111	152	31 (≤30)	J (all detects)	A
	Hexavalent chromium	0.949	0.967	2 (≤30)	-	-

SDG	Analyte	Concentration (ug/L)		RPD (Limits)	Flag	A or P
		WMW6.15N--20211014	WMW6.15N--20211014-FD			
L1418041	Total dissolved solids	3340000	3290000	2 (≤30)	-	-
	Alkalinity	186000	191000	3 (≤30)	-	-
	Chloride	359000	370000	3 (≤30)	-	-
	Sulfate	2270000	2320000	2 (≤30)	-	-
	Hexavalent chromium	0.151	0.157	4 (≤30)	-	-

SDG	Analyte	Concentration (ug/L)		RPD (Limits)	Flag	A or P
		ZTS-MW115-20211014	ZTS-MW115-20211014-FD			
L1418050	Total dissolved solids	5270000	2810000	61 (≤30)	J (all detects)	A
	Alkalinity	107000	109000	2 (≤30)	-	-
	Chloride	1190000	1210000	2 (≤30)	-	-
	Nitrate as N	14400	14200	1 (≤30)	-	-
	Sulfate	2900000	2930000	1 (≤30)	-	-
	Chlorate	45800	47000	3 (≤30)	-	-
	Perchlorate	4370	4460	2 (≤30)	-	-
	Hexavalent chromium	43.7	43.8	0 (≤30)	-	-

SDG	Analyte	Concentration (ug/L)		RPD (Limits)	Flag	A or P
		LVWPS-MW204A-20211019	LVWPS-MW204A-20211019-FD			
L1419830	Total dissolved solids	2730000	3060000	11 (≤30)	-	-
	Alkalinity	154000	154000	0 (≤30)	-	-
	Chloride	663000	661000	0 (≤30)	-	-
	Nitrate as N	15500	18700	19 (≤30)	-	-
	Sulfate	1470000	1400000	5 (≤30)	-	-
	Chlorate	8630	9290	7 (≤30)	-	-
	Perchlorate	2100	2170	3 (≤30)	-	-
	Hexavalent chromium	13.7	14.0	2 (≤30)	-	-

SDG	Analyte	Concentration (ug/L)		RPD (Limits)	Flag	A or P
		NERT5.11S1-20211021	NERT5.11S1-20211021-FD			
L1421039	Total dissolved solids	3250000	3320000	2 (≤30)	-	-
	Alkalinity	148000	147000	1 (≤30)	-	-
	Chloride	674000	670000	1 (≤30)	-	-
	Nitrate as N	14300	14200	1 (≤30)	-	-
	Sulfate	1470000	1460000	1 (≤30)	-	-
	Chlorate	12200	12200	0 (≤30)	-	-
	Perchlorate	2240	2290	2 (≤30)	-	-
	Hexavalent chromium	13.6	13.7	1 (≤30)	-	-

SDG	Analyte	Concentration (ug/L)		RPD (Limits)	Flag	A or P
		LVWPS-MW206A-20211022	LVWPS-MW206A-20211022-FD			
L1421565	Total dissolved solids	4650000	4620000	1 (≤30)	-	-
	Alkalinity	117000	118000	1 (≤30)	-	-
	Chloride	773000	768000	1 (≤30)	-	-
	Nitrate as N	32600	32600	0 (≤30)	-	-
	Sulfate	2170000	2130000	2 (≤30)	-	-
	Chlorate	6440	5180	22 (≤30)	-	-
	Perchlorate	2960	2810	5 (≤30)	-	-
	Hexavalent chromium	25.8	26.0	1 (≤30)	-	-

SDG	Analyte	Concentration (ug/L)		RPD (Limits)	Flag	A or P
		ES-50-20211101	ES-50-20211101-FD			
L1425080	Total dissolved solids	760000	752000	1 (≤30)	-	-
	Alkalinity	93000	94700	2 (≤30)	-	-
	Chloride	103000	105000	2 (≤30)	-	-
	Nitrate as N	1770	1800	2 (≤30)	-	-
	Sulfate	311000	317000	2 (≤30)	-	-
	Hexavalent chromium	21.7	21.8	0 (≤30)	-	-

SDG	Analyte	Concentration (ug/L)		RPD (Limits)	Flag	A or P
		NERT3.58N1-20211102	NERT3.58N1-20211102-FD			
L1425714	Total dissolved solids	4670000	3460000	30 (≤30)	-	-
	Alkalinity	174000	178000	2 (≤30)	-	-
	Chloride	1640000	1660000	1 (≤30)	-	-
	Nitrate as N	480U	392	200 (≤30)	NQ	-
	Sulfate	2580000	2640000	2 (≤30)	-	-
	Perchlorate	30.0U	79.2	200 (≤30)	NQ	-
	Hexavalent chromium	0.458	0.462	1 (≤30)	-	-

SDG	Analyte	Concentration (ug/L)		RPD (Limits)	Flag	A or P
		WMW3.5S-20211104	WMW3.5S-20211104-FD			
L1426982	Total dissolved solids	2440000	2420000	1 (≤30)	-	-
	Alkalinity	171000	171000	0 (≤30)	-	-
	Chloride	414000	394000	5 (≤30)	-	-
	Nitrate as N	8450	8510	1 (≤30)	-	-
	Sulfate	1030000	983000	5 (≤30)	-	-
	Chlorate	240U	298	200 (≤30)	NQ	-
	Perchlorate	658	701	6 (≤30)	-	-
	Hexavalent chromium	2.58	2.58	0 (≤30)	-	-

SDG	Analyte	Concentration (ug/L)		RPD (Limits)	Flag	A or P
		ES-23A-20211108	ES-23A-20211108-FD			
L1428279	Total dissolved solids	3370000	3380000	0 (≤30)	-	-
	Alkalinity	54800	56900	4 (≤30)	-	-
	Chloride	480000	493000	3 (≤30)	-	-
	Nitrate as N	15300	15600	2 (≤30)	-	-
	Sulfate	2410000	2400000	0 (≤30)	-	-
	Chlorate	2500	2490	0 (≤30)	-	-
	Perchlorate	2410	2580	7 (≤30)	-	-
	Hexavalent chromium	12.3	12.2	1 (≤30)	-	-

SDG	Analyte	Concentration (ug/L)		RPD (Limits)	Flag	A or P
		MW-21R-20211110	MW-21R-20211110-FD			
L1429196	Total dissolved solids	4880000	4870000	0 (≤30)	-	-
	Alkalinity	94400	94800	0 (≤30)	-	-
	Chloride	827000	832000	1 (≤30)	-	-
	Sulfate	2560000	2560000	0 (≤30)	-	-

SDG	Analyte	Concentration (ug/L)		RPD (Limits)	Flag	A or P
		PC-205B-20220110	PC-205B-20220110-FD			
L1449351	Total dissolved solids	4920000	5060000	3 (≤30)	-	-
	Alkalinity	129000	126000	2 (≤30)	-	-
	Chloride	981000	985000	0 (≤30)	-	-
	Nitrate as N	836	612	31 (≤30)	NQ	-
	Nitrite as N	756	894	17 (≤30)	-	-
	Sulfate	2430000	2480000	2 (≤30)	-	-
	Perchlorate	1000	975	3 (≤30)	-	-

SDG	Analyte	Concentration (ug/L)		RPD (Limits)	Flag	A or P
		NERT5.20S3-20220111	NERT5.20S3-20220111-FD			
L1449987	Total dissolved solids	5180000	5220000	1 (≤30)	-	-
	Alkalinity	130000	129000	1 (≤30)	-	-
	Chloride	979000	980000	0 (≤30)	-	-
	Nitrate as N	22600	480U	200 (≤30)	NQ	-
	Sulfate	2480000	2500000	1 (≤30)	-	-
	Chlorate	17500	17200	2 (≤30)	-	-
	Perchlorate	3920	4160	6 (≤30)	-	-
	Hexavalent chromium	34.9	35.2	1 (≤30)	-	-

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

XI. Target Analyte Quantitation

All target analyte quantitations were acceptable for samples which underwent Stage 4 validation. Raw data were not reviewed for Stage 2A and Stage 2B validation.

XII. Overall Assessment of Data

The analysis was conducted within all specifications of the methods.

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

SDG	Sample	Analyte	Reason	Flag	A or P
L1414445	PC-205A-0.0-20211005*	Bromide	Results failed MS/MSD analysis.	Not reportable	-
L1414236	PC-56-20211006RE PC-56-20211006-FDRE	Nitrate as N Nitrite as N	Analyzed outside of holding time.	Do not report	-
L1414236	PC-58-20211006-EBRE	Bromide Chloride Nitrate as N Nitrite as N Sulfate	EB sample had uncharacteristically high detects.	Do not report	-
L1414932	PC-79-20211007	Bromide	Poor MS/MSD recovery.	Do not report	-
L1414932	PC-85-20211007RE	Bromide	Analyzed at a higher dilution.	Do not report	-
L1415470	PC-156B-20211008	Bromide	Poor MS/MSD recovery.	Do not report	-
L1416362	PC-199-20211011RE	Chlorate	Re-analysis was not necessary.	Do not report	-
L1416883	WMW6.15S-20211012	Bromide	Poor MS/MSD recovery.	Do not report	-
L1420412	MCF-29A-20211020	Chloride	Results exceeded calibration range.	Do not report	-
L1425714	NERT4.51S1-20211102	Nitrate as N	Results exceeded calibration range.	Do not report	-

Due to MS/MSD %R, data were rejected in twenty-three samples.

Due to technical holding time, continuing calibration %R, MS/MSD %R and RPD, DUP RPD and difference, and field duplicate RPD data were qualified as estimated in two hundred thirty-four samples.

Due to laboratory blank contamination, two results were qualified as estimated in two samples.

Due to equipment blank contamination, eight results were qualified as estimated in eight samples

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SDG	Sample	Analyte	Flag	A or P	Reason (Code)
L1416362	PC-97-20211011	Nitrate as N Nitrite as N	J- (all detects) UJ (all non-detects) J- (all detects) UJ (all non-detects)	P	Technical holding times (h)
L1416362	PC-90-20211011	Nitrate as N Nitrite as N	J- (all detects) UJ (all non-detects) J- (all detects) UJ (all non-detects)	P	Technical holding times (h)
L1416883	PC-203-20211012	Total dissolved solids	J- (all detects)	P	Technical holding times (h)
L1418041	WMW6.9N--20211014	Total dissolved solids	J- (all detects)	P	Technical holding times (h)
L1426343	USGS-SE-20211103 MW-23-20211103 LVWPS-MW224A-20211103 LVWPS-MW219B-20211103	Total dissolved solids	J- (all detects)	P	Technical holding times (h)
L1426982	LVWPS-MW225A-20211104 LVWPS-MW225B-20211104 NERT3.60S1-20211104 NERT3.63S1-20211104 WMW3.5S-20211104 WMW3.5S-20211104-FD NERT3.35S1-20211104 NERT3.40S1-20211104	Hexavalent chromium	J- (all detects) UJ (all non-detects)	P	Technical holding times (h)
L1450402	FM-02A-20220112 NERT3.60S2-20220112 ES-54-20220112 ES-53-20220112	Hexavalent chromium	J- (all detects) UJ (all non-detects)	P	Technical holding times (h)
L1416044	PC-205-60.0-20211006*	Perchlorate	J+ (all detects)	P	Continuing calibration (%R) (c)
L1419203	TB-H6-60.0-20211012* TB-H6-70.0-20211012*	Perchlorate	J+ (all detects)	P	Continuing calibration (%R) (c)

SDG	Sample	Analyte	Flag	A or P	Reason (Code)
L1419209	TB-I1-30.0-20211013* TB-I1-40.0-20211013*	Perchlorate	J+ (all detects)	P	Continuing calibration (%R) (c)
L1392242	ES-56-10.0-20210817* ES-56-20.0-20210817* ES-56-30.0-20210817* ES-56-40.0-20210817* ES-56-50.0-20210817* ES-56-60.0-20210817* ES-56-70.0-20210817* ES-56-80.0-20210817* ES-56-90.0-20210817*	Perchlorate	J- (all detects) UJ (all non-detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
L1392933	ES-55-10.0-20210818* ES-55-20.0-20210818* ES-55-30.0-20210818* ES-55-40.0-20210818* ES-55-50.0-20210818* ES-55-60.0-20210818* ES-55-70.0-20210818* ES-55-80.0-20210818* ES-55-90.0-20210818*	Perchlorate	J- (all detects) UJ (all non-detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
L1414445	PC-205-0.0-20211005** PC-205-5.0-20211005* PC-205-9.5-20211005* PC-205A-5.0-20211005* PC-205A-9.5-20211005* PC-205B-0.0-20211005* PC-205B-5.0-20211005* PC-205B-9.5-20211005* PC-205A-9.5-20211005-FD*	Chlorate Bromide Nitrate as N	J- (all detects) UJ (all non-detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
L1414445	PC-205A-9.5-20211005* PC-205B-0.0-20211005* PC-205B-5.0-20211005* PC-205B-9.5-20211005* PC-205A-9.5-20211005-FD*	Hexavalent chromium	UJ (all non-detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
L1414445	PC-205-0.0-20211005** PC-205-9.5-20211005* PC-205A-0.0-20211005* PC-205A-9.5-20211005* PC-205B-0.0-20211005* PC-205A-9.5-20211005-FD*	Perchlorate	J+ (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)

SDG	Sample	Analyte	Flag	A or P	Reason (Code)
L1414548	NERT5.98S-10.0-20211005* NERT5.98S-20.0-20211005* NERT5.98S-30.0-20211005* NERT5.98S-40.0-20211005* NERT5.98S-50.0-20211005* NERT5.98S-60.0-20211005* NERT5.98S-70.0-20211005* NERT5.98S-80.0-20211005* NERT5.98S-90.0-20211005* NERT5.63S-10.0-20211006* NERT5.63S-20.0-20211006* NERT5.63S-30.0-20211006* NERT5.63S-40.0-20211006* NERT5.63S-50.0-20211006* NERT5.63S-60.0-20211006* NERT5.63S-70.0-20211006* NERT5.63S-80.0-20211006* NERT5.63S-90.0-20211006* NERT5.63S-90.0-20211006-FD*	Chlorate	J- (all detects) UJ (all non-detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
L1416044	PC-205-20.0-20211006* PC-205-30.0-20211006* PC-205-40.0-20211006* PC-205-50.0-20211006* PC-205-60.0-20211006* PC-205-70.0-20211006* PC-205-80.0-20211006* PC-205-90.0-20211007*	Chlorate	J- (all detects) UJ (all non-detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
L1416044	PC-205-20.0-20211006* PC-205-30.0-20211006* PC-205-40.0-20211006* PC-205-50.0-20211006* PC-205-60.0-20211006*	Perchlorate	J+ (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
L1416077	TB-H1-10.0-20211007* TB-H1-20.0-20211007* TB-H1-30.0-20211007* TB-H1-40.0-20211007* TB-H1-50.0-20211007* TB-H1-60.0-20211007* TB-H1-70.0-20211007* TB-H1-80.0-20211007* TB-H1-90.0-20211007*	Chlorate	J- (all detects) UJ (all non-detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
L1417036	NERT5.20S-10.0-2011008** NERT5.20S-20.0-2011008** NERT5.20S-30.0-2011008** NERT5.20S-40.0-2011008** NERT5.20S-50.0-2011008** NERT5.20S-60.0-2011008** NERT5.20S-60.0-2011008-FD** NERT5.20S-70.0-2011011** NERT5.20S-80.0-2011011** NERT5.20S-90.0-2011011**	Chlorate	J- (all detects) UJ (all non-detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)

* Indicates Stage 2B validation
** Indicates Stage 4 validation

SDG	Sample	Analyte	Flag	A or P	Reason (Code)
L1417036	NERT5.20S-10.0-2011008** NERT5.20S-20.0-2011008** NERT5.20S-30.0-2011008** NERT5.20S-40.0-2011008** NERT5.20S-50.0-2011008** NERT5.20S-60.0-2011008** NERT5.20S-60.0-2011008-FD** NERT5.20S-70.0-2011011**	Perchlorate	J+ (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
L1417645	NERT5.26N-30.0-20211012* NERT5.26N-40.0-20211012* NERT5.26N-50.0-20211012* NERT5.26N-60.0-20211012* NERT5.26N-70.0-20211012* NERT5.26N-80.0-20211012* NERT5.26N-90.0-20211012*	Chlorate	UJ (all non-detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
L1418229	NERT6.21N-10.0-20211011* NERT6.21N-20.0-20211011* NERT6.21N-30.0-20211011* NERT6.21N-40.0-20211012* NERT6.21N-50.0-20211012* NERT6.21N-60.0-20211012* NERT6.21N-70.0-20211012* NERT6.21N-80.0-20211012* NERT6.21N-90.0-20211012* NERT6.21N-90.0-20211012-FD*	Chlorate	UJ (all non-detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
L1418229	NERT6.21N-10.0-20211011* NERT6.21N-30.0-20211011* NERT6.21N-40.0-20211012* NERT6.21N-50.0-20211012* NERT6.21N-60.0-20211012*	Perchlorate	J+ (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
L1419203	TB-H6-10.0-20211012* TB-H6-20.0-20211012* TB-H6-30.0-20211012* TB-H6-40.0-20211012* TB-H6-50.0-20211012* TB-H6-60.0-20211012* TB-H6-70.0-20211012* TB-H6-80.0-20211012* TB-H6-90.0-20211012*	Chlorate	J- (all detects) UJ (all non-detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
L1419209	TB-I1-10.0-20211013* TB-I1-20.0-20211013* TB-I1-30.0-20211013* TB-I1-40.0-20211013* TB-I1-50.0-20211013* TB-I1-60.0-20211013* TB-I1-70.0-20211013* TB-I1-80.0-20211013* TB-I1-90.0-20211013*	Chlorate	J- (all detects) UJ (all non-detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)

* Indicates Stage 2B validation
** Indicates Stage 4 validation

SDG	Sample	Analyte	Flag	A or P	Reason (Code)
L1419210	TB-I2-10.0-20211013* TB-I2-20.0-20211013* TB-I2-30.0-20211013* TB-I2-40.0-20211013* TB-I2-50.0-20211013* TB-I2-60.0-20211013* TB-I2-70.0-20211014* TB-I2-80.0-20211014*	Chlorate	J- (all detects) UJ (all non-detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
L1419210	TB-I2-90.0-20211014*	Chlorate	UJ (all non-detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
L1419214	NERT-FM01-10.0-20211013* NERT-FM01-20.0-20211013* NERT-FM01-30.0-20211013* NERT-FM01-40.0-20211013* NERT-FM01-50.0-20211014* NERT-FM01-60.0-20211014* NERT-FM01-70.0-20211014* NERT-FM01-80.0-20211014* NERT-FM01-90.0-20211014* NERT-FM01-90.0-20211014-FD*	Chlorate	UJ (all non-detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
L1419218	NERT5.83N-10.0-20211013* NERT5.83N-10.0-20211013-FD* NERT5.83N-20.0-20211013* NERT5.83N-30.0-20211013* NERT5.83N-40.0-20211013* NERT5.83N-50.0-20211013* NERT5.83N-60.0-20211013* NERT5.83N-70.0-20211013* NERT5.83N-80.0-20211013* NERT5.83N-90.0-20211013*	Perchlorate	J- (all detects) UJ (all non-detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
L1419224	NERT4.29N-10.0-20211014* NERT4.29N-20.0-20211014* NERT4.29N-30.0-20211014* NERT4.29N-40.0-20211014* NERT4.29N-50.0-20211014* NERT4.29N-60.0-20211014* NERT4.29N-70.0-20211014* NERT4.29N-80.0-20211015* NERT4.29N-90.0-20211015* NERT4.29N-80.0-20211015-FD*	Chlorate	UJ (all non-detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
L1420457	NERT3.94N-20.0-20211018* NERT3.94N-30.0-20211018* NERT3.94N-40.0-20211018* NERT3.94N-50.0-20211018* NERT3.94N-60.0-20211018* NERT3.94N-70.0-20211018*	Perchlorate	J+ (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)

SDG	Sample	Analyte	Flag	A or P	Reason (Code)
L1420457	NERT3.94N-10.0-20211018* NERT3.94N-20.0-20211018* NERT3.94N-30.0-20211018* NERT3.94N-40.0-20211018* NERT3.94N-50.0-20211018* NERT3.94N-60.0-20211018* NERT3.94N-70.0-20211018* NERT3.94N-90.0-20211018*	Chlorate	J- (all detects) UJ (all non-detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
L1414445	PC-205-0.0-20211005** PC-205-5.0-20211005* PC-205-9.5-20211005* PC-205A-5.0-20211005* PC-205A-9.5-20211005* PC-205B-0.0-20211005* PC-205B-5.0-20211005* PC-205B-9.5-20211005* PC-205A-9.5-20211005-FD*	Bromide	UJ (all non-detects)	A	Matrix spike/Matrix spike duplicate (RPD) (ld)
L1413601	PC-178-20211005 PC-53-20211005 PC-2-20211005 PC-202-20211005 PC-4-20211005	Hexavalent chromium	J- (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
L1418041	WMW6.15N--20211014 WMW6.15N--20211014-FD WMW6.9N--20211014	Bromide	UJ (all non-detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
L1420407	MCF-28A-20211020	Hexavalent chromium	R (all non-detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
L1421039	MCF-31A-20211021	Hexavalent chromium	R (all non-detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
L1425714	LVWPS-MW212D-20211102	Hexavalent chromium	J- (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
L1426982	LVWPS-MW225A-20211104	Chlorate	J+ (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
L1414236	PC-201-20211006 PC-58-20211006 PC-56-20211006 PC-56-20211006-FD	Bromide	UJ (all non-detects)	A	Matrix spike (%R) (m)
L1415470	PC-157B-20211008 PC-157A-20211008 PC-155B-20211008 PC-155A-20211008 PC-156B-20211008RE PC-156A-20211008	Bromide	R (all non-detects)	A	Matrix spike (%R) (m)

* Indicates Stage 2B validation
** Indicates Stage 4 validation

SDG	Sample	Analyte	Flag	A or P	Reason (Code)
L1416883	PC-77-20211012 RIT-10-20211012 PMW-8-20211012 PC-203-20211012 PC-204-20211012 WMW6.15S-20211012RE WMW6.9S-20211012 PC-74-20211012 PC-76-20211012 ES-55C-20211012 ES-55B-20211012	Bromide	R (all non-detects)	A	Matrix spike (%R) (m)
L1417492	PC-191-20211013 PC-98R-20211013 PC-103-20211013 MWK5-20211013 WMW6.55S-20211013 COH-2B1-20211013	Bromide	UJ (all non-detects)	A	Matrix spike (%R) (m)
L1418554	NERT4.93S1-20211015	Chloride Nitrate as N	J- (all detects)	A	Matrix spike (%R) (m)
L1418554	LVWPS-MW226B-20211015	Hexavalent chromium	R (all non-detects)	A	Matrix spike (%R) (m)
L1420412	LVWPS-MW204C-20211020 MCF-29A-20211020 MCF-29B-20211020	Nitrate as N	R (all non-detects)	A	Matrix spike (%R) (m)
L1420412	LVWPS-MW209-20211020 LVWPS-MW209A-20211020 LVWPS-MW209B-20211020 LVWPS-MW209C-20211020 LVWPS-MW211-20211020 LVWPS-MW213-20211020 LVWPS-MW217C-20211020	Nitrate as N	J- (all detects)	A	Matrix spike (%R) (m)
L1392933	ES-55-50.0-20210818*	Chlorate	J (all detects)	A	Duplicate sample analysis (RPD) (ld)
L1414548	NERT5.63S-60.0-20211006*	Perchlorate	J (all detects)	A	Duplicate sample analysis (difference) (ld)
L1424441	NERT5.80S-10.0-20211027* NERT5.80S-20.0-20211027* NERT5.80S-30.0-20211027* NERT5.80S-40.0-20211027* NERT5.80S-50.0-20211027* NERT5.80S-60.0-20211027* NERT5.80S-70.0-20211027* NERT5.80S-80.0-20211027* NERT5.80S-90.0-20211027*	Perchlorate	J (all detects) UJ (all non-detects)	A	Duplicate sample analysis (RPD) (ld)
L1416883	PC-203-20211012	Total dissolved solids	J (all detects)	A	Duplicate sample analysis (RPD) (ld)

* Indicates Stage 2B validation
** Indicates Stage 4 validation

SDG	Sample	Analyte	Flag	A or P	Reason (Code)
L1421039	NERT5.11S1-20211021-EB	Total dissolved solids	J (all detects)	A	Duplicate sample analysis (RPD) (ld)
L1425714	LVWPS-MW212A-20211102 LVWPS-MW212B-20211102 LVWPS-MW212C-20211102 LVWPS-MW212D-20211102 LVWPS-MW221A-20211102 LVWPS-MW221B-20211102 NERT4.51S1-20211102 NERT3.58N1-20211102 NERT3.60N1-20211102 WMW3.5N-20211102 NERT4.21N1-20211102 NERT4.38N1-20211102 LNDMW-2-20211102 NERT3.58N1-20211102-FD	Total dissolved solids	J (all detects)	A	Duplicate sample analysis (RPD) (ld)
L1426343	USGS-SE-20211103 MW-23-20211103 LVWPS-MW224A-20211103 LVWPS-MW219B-20211103	Total dissolved solids	J (all detects)	A	Duplicate sample analysis (RPD) (ld)
L1426982	WMW3.5S-20211104-FD NERT3.35S1-20211104 NERT3.40S1-20211104 NERT3.58S1-20211104 NERT3.60S1-20211104 NERT3.63S1-20211104 NERT3.80S1-20211104 NERT3.98S1-20211104	Chloride	J (all detects) UJ (all non-detects)	A	Duplicate sample analysis (RPD) (ld)
L1495345	NERT5.15S1-20220519 NERT5.15S2-20220519	Total dissolved solids	J (all detects)	A	Duplicate sample analysis (RPD) (ld)
L1416362	PC-198-20211011 PC-198-20211011-FD	Perchlorate	J (all detects)	A	Field duplicates (RPD) (fd)
L1418050	ZTS-MW115-20211014 ZTS-MW115-20211014-FD	Total dissolved solids	J (all detects)	A	Field duplicates (RPD) (fd)
L1414445	PC-205A-0.0-20211005*	Bromide	Not reportable	-	Overall assessment of data (o)
L1414236	PC-56-20211006RE PC-56-20211006-FDRE	Nitrate as N Nitrite as N	Do not report	-	Overall assessment of data
L1414236	PC-58-20211006-EBRE	Bromide Chloride Nitrate as N Nitrite as N Sulfate	Do not report	-	Overall assessment of data
L1414932	PC-79-20211007 PC-85-20211007RE	Bromide	Do not report	-	Overall assessment of data

* Indicates Stage 2B validation
** Indicates Stage 4 validation

SDG	Sample	Analyte	Flag	A or P	Reason (Code)
L1415470	PC-156B-20211008	Bromide	Do not report	-	Overall assessment of data
L1416362	PC-199-20211011RE	Chlorate	Do not report	-	Overall assessment of data
L1416883	WMW6.15S-20211012	Bromide	Do not report	-	Overall assessment of data
L1420412	MCF-29A-20211020	Chloride	Do not report	-	Overall assessment of data
L1425714	NERT4.51S1-20211102	Nitrate as N	Do not report	-	Overall assessment of data

NERT RI, Phase 3, 2021-2022
Wet Chemistry - Laboratory Blank Data Qualification Summary - SDGs L1392242, L1392933, L1393506, L1414445, L1414548, L1416044, L1416077, L1417036, L1417645, L1418229, L1419203, L1419209, L1419210, L1419214, L1419218, L1419224, L1420457, L1420458, L1420648, L1421799, L1424441, 550-161754-1, 550-162422-1, L1413601, L1414236, L1414932, L1415470, L1416362, L1416883, L1417492, L1417493, L1418041, L1418050, L1418554, L1419366, L1419830, L1420407, L1420412, L1421039, L1421565, L1425080, L1425714, L1426343, L1426982, L1427569, L1428279, L1428753, L1429196, L1449351, L1449352, L1449987, L1450402, L1495345

SDG	Sample	Analyte	Modified Final Concentration	A or P	Code
L1418041	WMW6.15N--20211014-EB	Perchlorate	3.05J ug/L	A	bl, ba
L1426982	NERT3.35S1-20211104-EB	Chloride	479J ug/L	A	bl, ba

NERT RI, Phase 3, 2021-2022
Wet Chemistry - Field Blank Data Qualification Summary - SDGs L1392242, L1392933, L1393506, L1414445, L1414548, L1416044, L1416077, L1417036, L1417645, L1418229, L1419203, L1419209, L1419210, L1419214, L1419218, L1419224, L1420457, L1420458, L1420648, L1421799, L1424441, 550-161754-1, 550-162422-1, L1413601, L1414236, L1414932, L1415470, L1416362, L1416883, L1417492, L1417493, L1418041, L1418050, L1418554, L1419366, L1419830, L1420407, L1420412, L1421039, L1421565, L1425080, L1425714, L1426343, L1426982, L1427569, L1428279, L1428753, L1429196, L1449351, L1449352, L1449987, L1450402, L1495345

SDG	Sample	Analyte	Modified Final Concentration	A or P	Code
L1418041	WMW6.15N--20211014	Alkalinity	186000J+ ug/L	A	be, ba
L1418041	WMW6.15N--20211014-FD	Alkalinity	191000J+ ug/L	A	be, ba
L1418050	LVWPS-MW110-20211014	Alkalinity	109000J+ ug/L	A	be, ba
L1419830	LVWPS-MW107C-20211019	Alkalinity	97200J+ ug/L	A	be, ba
L1421039	NERT5.11S1-20211021	Alkalinity	148000J+ ug/L	A	be, ba
L1421039	NERT5.11S1-20211021-FD	Alkalinity	147000J+ ug/L	A	be, ba
L1421565	LVWPS-MW206A-20211022	Alkalinity	117000J+ ug/L	A	be, ba
L1421565	LVWPS-MW206A-20211022-FD	Alkalinity	118000J+ ug/L	A	be, ba