Data Validation Summary Report
Annual Groundwater Monitoring and GWETS Performance Sampling
January through July 2021, Revision 1
Nevada Environmental Response Trust (NERT)
Henderson, Nevada

Prepared for

Ramboll
Emeryville, California

Prepared by

Laboratory Data Consultants, Inc.
2701 Loker Avenue West, Suite 220
Carlsbad, California 92010

September 13, 2022

Annual Groundwater Monitoring and GWETS Performance Sampling DVSR and EDD January through July 2021, Revision 1

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

Nevada Environmental Response Trust (NERT) Representative Certification

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

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 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

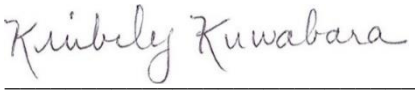
Date: 9/13/22

Annual Groundwater Monitoring and GWETS Performance Sampling DVSR and EDD January through July 2021, Revision 1

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

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.



September 13, 2022

Kimberly Kuwabara, MS
Senior Managing Consultant

Date

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

Table of Contents

Section	Title	Page No.
1.0	INTRODUCTION	5
2.0	VOLATILE ORGANIC COMPOUNDS	10
2.1	Precision and Accuracy	10
2.2	Representativeness	11
2.3	Comparability	12
2.4	Completeness	12
2.5	Sensitivity	12
3.0	VOLATILE ORGANIC COMPOUNDS SIM	12
3.1	Precision and Accuracy	12
3.2	Representativeness	13
3.3	Comparability	13
3.4	Completeness	14
3.5	Sensitivity	14
4.0	METALS	14
4.1	Precision and Accuracy	14
4.2	Representativeness	14
4.3	Comparability	15
4.4	Completeness	15
4.5	Sensitivity	15
5.0	WET CHEMISTRY	15
5.1	Precision and Accuracy	16
5.2	Representativeness	17
5.3	Comparability	17
5.4	Completeness	17
5.5	Sensitivity	18
6.0	VARIANCES IN ANALYTICAL PERFORMANCE	18
7.0	SUMMARY OF PARCCS CRITERIA	18
7.1	Precision and Accuracy	18
7.2	Representativeness	18
7.3	Comparability	18
7.4	Completeness	18
7.5	Sensitivity	19
8.0	CONCLUSIONS AND RECOMMENDATIONS	19

9.0 REFERENCES 20

LIST OF TABLES

TABLE I – Sample Cross-Reference
TABLE II – Stage 2A Validation Elements
TABLE III – Stage 2A Validation Percentage
TABLE IV – Reason Codes and Definitions
TABLE V – Overall Qualified Results

ATTACHMENTS

ATTACHMENT A – VOC Data Validation Report
ATTACHMENT B – VOC SIM Data Validation Report
ATTACHMENT C – Metals Data Validation Report
ATTACHMENT D – Wet Chemistry Data Validation Report

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
GWETS	Groundwater Extraction and Treatment System
LCS/LCSD	Laboratory Control Sample / Laboratory Control Sample Duplicate
LDC	Laboratory Data Consultants, Inc.
MDL	Method Detection Limit
MS/MSD	Matrix Spike / Matrix Spike Duplicate
NDEP	Nevada Department of Environmental Protection
NERT	Nevada Environmental Response Trust
NFG	National Functional Guidelines
PARCCS	Precision, Accuracy, Representativeness, Comparability, Completeness, Sensitivity
PQL	Practical Quantitation Limit
QA/QC	Quality Assurance / Quality Control
RPD	Relative Percent Difference
SAP	Sampling and Analysis Plan
SDG	Sample Delivery Group
SIM	Selective Ion Monitoring
SQL	Sample Quantitation Limit
TB	Trip Blank
TDS	Total Dissolved Solids
TIN	Total Inorganic Nitrogen
TOC	Total Organic Carbon
TOX	Total Organic Halogen
TRP	Total Recoverable Phenolics
VOC	Volatile Organic Compounds
%R	Percent Recovery

1.0 INTRODUCTION

This data validation summary report (DVSR) has been prepared by Laboratory Data Consultants, Inc. (LDC) to assess the validity and usability of laboratory analytical data from the Annual Groundwater Monitoring and Groundwater Extraction and Treatment System (GWETS) Performance Sampling conducted at the Nevada Environmental Response Trust (NERT) site in Henderson, Nevada. Data collection and management was performed in accordance with the *Remedial Performance Sampling and Analysis Plan, Revision 1, Nevada Environmental Response Trust Site, Henderson, Nevada* (SAP Revision 1) dated March 2020 and included the collection and analyses of 1,042 environmental and quality control (QC) samples. The analyses were performed by the following methods:

Volatile Organic Compounds (VOC) by Environmental Protection Agency (EPA) SW-846 Method 8260B
VOC by EPA SW-846 Method 8260B in Selective Ion Monitoring (SIM) Mode
Metals by EPA Method 200.7
Wet Chemistry:
Hexavalent Chromium by EPA Method 218.6 and Standard Method 3500CRB
Chloride, Nitrate as Nitrogen, Nitrite as Nitrogen, and Sulfate (Anions) by EPA Method 300.0
Nitrate/Nitrite as Nitrogen and Total Inorganic Nitrogen (TIN) by Calculation
Chlorate by EPA Method 300.1B
Perchlorate by EPA Method 314.0
Ammonia as Nitrogen by EPA Method 350.1
Total Recoverable Phenolics (TRP) by EPA Method 420.4
Conductivity by Standard Method 2510B
Total Dissolved Solids (TDS) by Standard Method 2540C
Total Organic Carbon (TOC) by Standard Method 5310B
Total Organic Halogen (TOX) by EPA SW 846 Method 9020B
Field pH by Field Test Method

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

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

The analytical data were evaluated for QA/QC based on the following documents: SAP Revision 1 (March 2020)*, USEPA National Functional Guidelines (NFG) for Organic Superfund Methods Data Review* (January 2017) and *for Inorganic Superfund Methods Data Review* (January 2017); and the *EPA SW 846 Third Edition, Test Methods for Evaluating Solid Waste,* update I, July 1992; update IIA, August 1993; update II, September 1994; update IIB, January 1995; update III, December 1996; update IV, February 2007; update V, July 2014.

This report summarizes the QA/QC evaluation of the data according to precision, accuracy, representativeness, completeness, comparability, and sensitivity (PARCCS) relative to the project data

quality objectives (DQOs). This report provides a quantitative and qualitative assessment of the data and identifies potential sources of error, uncertainty, and bias that may affect the overall usability.

PARCCS summary report evaluates and summarizes the results of QA/QC data validation for the entire sampling program. Each analytical fraction has a separate section for each of the PARCCS criteria. These sections interpret specific QC deviations and their effects on both individual data points and the analyses as a whole. Section 7.0 presents a summary of the PARCCS criteria by comparing quantitative parameters with acceptability criteria defined in the project DQOs. 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), NFGs (USEPA 2017), 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, TBs, 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 (EPA 8260B) data were assessed to be valid with the exception of one (1) of the 19,886 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.

2.1 Precision and Accuracy

2.1.1 Surrogates

As a result of high surrogate %Rs, fifty-seven (57) VOC results were qualified as detected estimated (J+). The details regarding the qualification of results are provided in Attachment A.

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

2.1.2 MS/MSD Samples

Due to MS/MSD %Rs grossly outside the laboratory acceptance criteria (e.g., ≤0%), the styrene result in sample MC-53-20210429 was qualified as rejected (R). Additionally, the styrene result in sample M-140-20210430, the 1,2-dibromo-3-chloropropane result in sample M-95-20210505, the chloroform result in sample M-148A-20210513, and the 1,1-dichloroethene, carbon tetrachloride and chloroethane results in sample PC-143-20210528-FB15 were qualified as detected estimated (J-) or non-detected estimated (UJ) as a result of MS/MSD %Rs below the laboratory acceptance criteria. The details regarding the qualification of results are provided in Attachment A.

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

2.1.3 LCS/LCSD Samples

Due to LCS/LCSD %Rs below the laboratory acceptance criteria, fourteen (14) results were qualified as detected estimated (J-) or non-detected estimated (UJ).

The 1,2-dichloroethane result in sample M-7B-20210429 was qualified as detected estimated (J+) as a result of LCS/LCSD %Rs above the laboratory acceptance criteria.

The 1,1-dichloroethene results for samples UFMW-04D-20210503 and UFMW-05D-20210503 and the 1,2,4-trichlorobenzene result for sample PC-131-20210527 were qualified as detected estimated (J) due to LCS/LCSD RPDs above the laboratory acceptance criteria.

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

In instances where LCS/LCSD %Rs and RPDs were above the laboratory acceptance criteria and the associated results were not detected, no data were qualified.

2.1.4 FD Samples

Due to RPDs outside the acceptance criteria of ≤ 30, the chloroform results that were reported above the PQL in field duplicate samples M-80-20210513 and M-80-20210513-FD4 were qualified as detected estimated (J). The details regarding the qualification of results are presented in Attachment A.

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

2.2 Representativeness

2.2.1 Sample Preservation and Holding Times

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

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 monitoring and GWETS 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, thirty-two (32) 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 blank, twenty-six (26) results were qualified as detected estimated (J, J+). The details regarding the qualification of results are provided in Attachment A.

2.2.2.3 EBs and FBs

No data were qualified due to the contamination found in the associated equipment blanks.

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

2.3 Comparability

The laboratory used standard analytical methods for all of the analyses. In all cases, the SQLs attained were at or below the PQLs. Target 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 99.99 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 SAP Revision 1 (March 2020).

3.0 VOLATILE ORGANIC COMPOUNDS SIM

All VOC SIM data were assessed to be valid since none of the 652 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 Surrogates

All surrogate %Rs met the laboratory acceptance criteria.

3.1.2 MS/MSD Samples

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

3.1.3 LCS Samples

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

3.1.4 FD Samples

FD RPDs met the acceptance criteria for results that were reported above the PQL.

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

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 14-day analysis holding time criteria for preserved water samples.

As a result of headspace in the sample containers, twenty-four (24) VOC SIM results were qualified as detected estimated (J-) or non-detected estimated (UJ). The details regarding the qualification of results are presented in Attachment B.

3.2.2 Blanks

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

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

3.2.2.1 Method Blanks

As a result of contamination found in the associated method blanks, eighteen (18) 1,4-dioxane results were qualified as detected estimated (J). The details regarding the qualification of results are provided in Attachment B.

3.2.2.2 TBs

As a result of contamination found in the associated trip blanks, seventy-four (74) 1,4-dioxane results were qualified as detected estimated (J, J+). The details regarding the qualification of results are provided in Attachment B.

3.2.2.3 EBs and FBs

The 1,4-dioxane result for sample M-68-20210507 was qualified as detected estimated (J) due to contamination found in the associated equipment blank and the 1,4-dioxane results for samples M-44-20210429 and PC-56-20210507 were qualified as detected estimated (J) due to contamination found in the associated field blanks. The details regarding the qualification of results are provided in Attachment B.

3.3 Comparability

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

3.4 Completeness

The completeness level attained for VOC SIM 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 SAP Revision 1 (March 2020).

4.0 METALS

All metals data were assessed to be valid since none of the 752 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.

4.1 Precision and Accuracy

4.1.1 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.

All MS/MSD RPDs met the laboratory acceptance criteria.

4.1.2 LCS Samples

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

4.1.3 FD Samples

Due to an RPD outside the acceptance criteria of ≤ 30, the chromium results that were reported above the PQL in field duplicate samples M-31A-20210504 and M-31A-20210504-FD13 were qualified as detected estimated (J). The details regarding the qualification of results are presented in Attachment C.

4.2 Representativeness

4.2.1 Sample Preservation and Holding Times

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

4.2.2 Blanks

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

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

Results Below the PQL - If a sample result was less than the PQL, the sample result was qualified as estimated (J) at the reported concentration. Reason codes are applied to distinguish if the blank concentration was above or below the PQL.

Results Above the PQL - If a sample result and blank contaminant value were greater than the PQL and the sample result was less than 10 times the blank contaminant value, the sample result was qualified as detected estimated (J+) at the reported concentration. Reason codes are applied to distinguish if the blank concentration was above or below the PQL.

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

4.2.2.1 Method Blanks

As a result of contamination found in the associated method blanks, the chromium results in samples M-12A-20210217-FB4, M-11-20210217-EB4, and M-161D-20210430, the selenium results in samples M-10-20210218, and M-10-20210512, and the manganese result in sample M-7B-20210429 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

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

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 analytes detected below the PQLs flagged (J) by the laboratory should be considered estimated. The comparability of the metals data is regarded as acceptable.

4.4 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.

4.5 Sensitivity

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

5.0 WET CHEMISTRY

All wet chemistry data were assessed to be valid with the exception of one of the 4,043 total results which was rejected based on holding time exceedances. This section discusses the QA/QC supporting documentation as defined by the PARCCS criteria and evaluated based on the DQOs.

5.1 Precision and Accuracy

5.1.1 Surrogate

The chlorate results in samples LVW4.2-3-2.8-20210120, LVW3.5-3-1.7-20210120 and LVW3.5-6-1.7-20210216 were qualified as detected estimated (J+) as a result of surrogate %R above the laboratory acceptance criteria. The details regarding the qualification of results are provided in Attachment D.

5.1.2 MS/MSD Samples

MS/MSD samples were evaluated for anions, hexavalent chromium, chlorate, perchlorate, and TOC.

One (1) chloride, 30 nitrate as nitrogen, 7 perchlorate, and 66 chlorate results were qualified as detected estimated (J-) or non-detected estimated (UJ) due to MS/MSD %Rs below the laboratory acceptance criteria.

Twenty-two (22) nitrate as nitrogen, 17 perchlorate, 88 chlorate, and 9 hexavalent chromium results were qualified as detected estimated (J+) due to MS/MSD %Rs above the laboratory acceptance criteria.

Twelve (12) nitrate as nitrogen, and 24 chlorate results were qualified as detected estimated (J) or non-detected (UJ) due to MS/MSD RPDs above the laboratory acceptance criteria.

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

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.

5.1.3 DUP Samples

DUP samples were evaluated for TDS and conductivity.

One (1) TDS result was qualified as detected estimated (J) due to DUP RPD above the laboratory acceptance criteria. The details regarding the qualification of results are presented in Attachment D.

5.1.4 LCS Samples

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

5.1.5 FD Samples

Due to RPDs outside the acceptance criteria of ≤ 30, 10 nitrate as nitrogen, 6 chlorate and 4 perchlorate results that were reported above the PQL in six field duplicate pairs were qualified as detected estimated (J). The details regarding the qualification of results are presented in Attachment D.

5.1.6 Target Analyte Quantitation

Due to a target analyte quantitation non-conformance (i.e. result exceeded the calibration range), the nitrate as nitrogen result for ART-9-20210113 was qualified as detected estimated (J). The details regarding the qualification of results are presented in Attachment D.

5.2 Representativeness

5.2.1 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 24-hour analysis holding time criteria for hexavalent chromium, 48-hour analysis holding time criteria for nitrite as nitrogen, and the 28-day analysis holding time criteria for ammonia as nitrogen, chlorate, chloride, conductivity, perchlorate, phenolics, sulfate, TOC, and TOX.

Due to holding time grossly outside the acceptance criteria of 48 hours, the nitrate as nitrogen result in sample I-P-20210310 EB was qualified as rejected (R). Additionally, 13 nitrate as nitrogen results were qualified as detected estimated (J-) or non-detected (UJ), as a result of exceeding the analysis holding time criteria of 48 hours and 20 TDS results were qualified as detected estimated (J-) or non-detected (UJ) as a result of exceeding the analysis holding time criteria of seven days.

5.2.2 Blanks

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

If contaminants were detected in a blank, corrective actions were made for the chemical analytical data during data validation based on the criteria presented in Section 4.2.2.

5.2.2.1 Method Blanks

No data were qualified due to the hexavalent chromium result detected in one of the method blanks.

5.2.2.2 EBs and FBs

The nitrate as nitrogen result for sample M-135-20210506, the chlorate result for sample LVWPS-MW102B-20210426 and the TDS results for samples PC-119-20210203 and PC-118-20210609 were qualified as detected estimated (J) due to contamination found in the associated equipment blanks. The details regarding the qualification of results are provided in Attachment D.

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

5.3 Comparability

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

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

5.4 Completeness

The completeness level attained for wet chemistry field samples was 99.98 percent. This percentage was calculated as the total number of accepted sample results divided by the total number of sample results multiplied by 100.

5.5 Sensitivity

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

6.0 VARIANCES IN ANALYTICAL PERFORMANCE

The laboratory used standard analytical methods for all analyses throughout the project. The analyses were conducted within all specifications of the method. For this data set TOC was analyzed by Method Standard Method 5310B, instead of Method 5310C as specified in SAP Revision 1 (March 2020). The detection limit for Method 5310C is typically lower than Method 5310B; however, TOC was detected in all of the samples collected as part of this sampling event. Therefore, the method variance does not affect data usability.

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

7.0 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.

7.1 Precision and Accuracy

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

All surrogate, MS/MSD, DUP, LCS/LCSD, and field duplicate percent recoveries and RPDs met acceptance criteria with the exceptions noted in Sections 2.1.1, 2.1.2, 2.1.3, 2.1.4, 3.1.1, 3.1.2, 3.1.4, 3.2.1, 4.1.3, 5.1.1, 5.1.2, 5.1.3 and 5.1.5. Target analyte quantitation met the acceptance criteria with the exception noted in Section 5.1.6.

7.2 Representativeness

All samples for each method and matrix were evaluated for holding time compliance. All holding times were met with the exception noted in Section 5.2.1. All samples were associated with a method blank in each individual SDG. The representativeness of the project data is considered acceptable after integration of result qualification due to blank contamination as noted in Sections 2.2.2.1, 2.2.2.2, 2.2.2.3, 3.2.2.2, 3.2.2.3, 4.2.2.1 and 4.2.2.2.

7.3 Comparability

Sampling frequency requirements were met in obtaining necessary field blanks and field duplicates. The laboratory used standard analytical methods for the analyses. The analytical results were reported in correct standard units. Sample integrity criteria were met and sample preservation and holding times were within QC criteria with the exception noted in Section 5.2.1. The overall comparability is considered acceptable after integration of result qualification.

7.4 Completeness

Of the 25,333 total analytes reported, two (2) of the results were rejected. The completeness for the SDGs is as follows:

Parameter	Total Number of Validated Results	Number of Rejected Results	Percent Completeness
VOC	19,886	1	99.99
VOC SIM	652	0	100
Metals	752	0	100
Wet Chemistry:			
CrVI	399	0	100
Anions	683	1	99.85
TIN and NO3/NO2-N	4	0	100
Chlorate	997	0	100
Perchlorate	1007	0	100
Ammonia-N	2	0	100
Total Recoverable Phenolics	4	0	100
Conductivity	4	0	100
TDS	935	0	100
TOC	4	0	100
TOX	4	0	100
Total	**25,333**	**2**	**99.99**

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

7.5 Sensitivity

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

8.0 CONCLUSIONS AND RECOMMENDATIONS

The analytical data quality assessment for the water sample laboratory analytical results generated during the January to July 2021 Annual Groundwater Monitoring and GWETS Performance Sampling at the NERT site in Henderson, Nevada established that the overall project requirements and completeness levels were met. Sample results that were found to be 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 data validation all other results are considered valid and usable for all purposes.

9.0 REFERENCES

American Public Health Association 2012. Standard Method for the Examination of Water and Wastewater (22nd ed.). Washington, DC: American Public Health Association; Rice, Baird, Eaton, and Clesceri.

NDEP 2018. NDEP Data Validation Guidance. July.

NDEP. 2018b. Email from NDEP to the Trust regarding Multiple Results Reported. December 7.

Ramboll 2020. Remedial Performance Sampling and Analysis Plan, Nevada Environmental Response Trust Site, Henderson, Nevada. March 9. NDEP approved April 30, 2020.

Region 9 Superfund Data Evaluation/Validation Guidance, R6QA/006.1, Draft. December 2001.

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 2017. USEPA National Functional Guidelines for Inorganic Superfund Methods Data Review. January.

USEPA 2017. USEPA National Functional Guidelines for Superfund Organic Methods Data Review. January.

TABLES

Table I. Sample Cross-Reference

LDC	SDG	Client Sample ID	Lab ID	Sample Date	Validation Level	Matrix	QC Type	VOC (8260B)	VOC SIM (8260BSIM)	Chromium (200.7)	Metals (200.7)	CrVI (218.6)	CrVI (SM 3500CRB)	Chloride (300.0)	Nitrate as N (300.0)	Nitrite as N (300.0)	Sulfate (300.0)	NO_3/NO_2 as N (Calc)	TIN (Calc)	Chlorate (300.1B)	Perchlorate (314.0)	Ammonia as N (350.1)	TRP (420.4)	Conductivity (2510B)	TDS (2540C)	TOC (5310B)	TOX (9020B)	Field pH
50560A	5501561951	I-C-20210112	550-156195-1	01/12/21	Stage 2A	Water				X		X			X					X	X				X			X
50560A	5501561951	I-F-20210112	550-156195-2	01/12/21	Stage 2A	Water				X		X			X					X	X				X			X
50560A	5501561951	I-X-20210112	550-156195-3	01/12/21	Stage 2A	Water				X		X			X					X	X				X			X
50560A	5501561951	I-N-20210112	550-156195-4	01/12/21	Stage 2A	Water				X		X			X					X	X				X			X
50560A	5501561951	I-E-20210112	550-156195-5	01/12/21	Stage 2A	Water				X		X			X					X	X				X			X
50560A	5501561951	I-M-20210112	550-156195-6	01/12/21	Stage 2A	Water				X		X			X					X	X				X			X
50560A	5501561951	I-D-20210112	550-156195-7	01/12/21	Stage 2A	Water				X		X			X					X	X				X			X
50560B	5501561961	I-AA-20210112	550-156196-1	01/12/21	Stage 2A	Water				X		X			X					X	X				X			X
50560B	5501561961	I-AB-20210112	550-156196-2	01/12/21	Stage 2A	Water				X		X			X					X	X				X			X
50560B	5501561961	I-B-20210112	550-156196-3	01/12/21	Stage 2A	Water				X		X			X					X	X				X			X
50560B	5501561961	I-R-20210112	550-156196-4	01/12/21	Stage 2A	Water				X		X			X					X	X				X			X
50560B	5501561961	I-Y-20210112	550-156196-5	01/12/21	Stage 2A	Water				X		X			X					X	X				X			X
50560B	5501561961	I-L-20210112	550-156196-6	01/12/21	Stage 2A	Water				X		X			X					X	X				X			X
50560B	5501561961	I-S-20210112	550-156196-7	01/12/21	Stage 2A	Water				X		X			X					X	X				X			X
50560B	5501561961	I-AR-20210112	550-156196-8	01/12/21	Stage 2A	Water				X		X			X					X	X				X			X
50560B	5501561961	I-L-20210112-EB	550-156196-9	01/12/21	Stage 2A	Water	EB			X		X			X					X	X				X			X
50560C	5501563111	PC-99R2/R3-20210113	550-156311-1	01/13/21	Stage 2A	Water				X		X			X					X	X				X			X
50560C	5501563111	PC-115R-20210113	550-156311-2	01/13/21	Stage 2A	Water				X		X			X					X	X				X			X
50560C	5501563111	PC-116R-20210113	550-156311-3	01/13/21	Stage 2A	Water	FD1			X		X			X					X	X				X			X
50560C	5501563111	PC-117-20210113	550-156311-4	01/13/21	Stage 2A	Water				X		X			X					X	X				X			X
50560C	5501563111	PC-118-20210113	550-156311-5	01/13/21	Stage 2A	Water				X		X			X					X	X				X			X
50560C	5501563111	PC-119-20210113	550-156311-6	01/13/21	Stage 2A	Water				X		X			X					X	X				X			X
50560C	5501563111	PC-120-20210113	550-156311-7	01/13/21	Stage 2A	Water				X		X			X					X	X				X			X
50560C	5501563111	PC-121-20210113	550-156311-8	01/13/21	Stage 2A	Water				X		X			X					X	X				X			X
50560C	5501563111	PC-133-20210113	550-156311-9	01/13/21	Stage 2A	Water				X		X			X					X	X				X			X
50560C	5501563111	PC-116R-20210113-FD	550-156311-10	01/13/21	Stage 2A	Water	FD1			X		X			X					X	X				X			X
50560C	5501563111	PC-117-20210113-EB	550-156311-11	01/13/21	Stage 2A	Water	EB			X		X			X					X	X				X			X
50560D	5501563131	ART-1A-20210113	550-156313-1	01/13/21	Stage 2A	Water				X		X			X					X	X				X			X
50560D	5501563131	ART-2/2A-20210113	550-156313-2	01/13/21	Stage 2A	Water	FD2			X		X			X					X	X				X			X
50560D	5501563131	ART-3A-20210113	550-156313-3	01/13/21	Stage 2A	Water				X		X			X					X	X				X			X
50560D	5501563131	ART-4-20210113	550-156313-4	01/13/21	Stage 2A	Water				X		X			X					X	X				X			X
50560D	5501563131	ART-7B-20210113	550-156313-5	01/13/21	Stage 2A	Water				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	VOC (8260B)	VOC SIM (8260BSIM)	Chromium (200.7)	Metals (200.7)	CrVI (218.6)	CrVI (SM 3500CRB)	Chloride (300.0)	Nitrate as N (300.0)	Nitrite as N (300.0)	Sulfate (300.0)	NO_3/NO_2 as N (Calc)	TIN (Calc)	Chlorate (300.1B)	Perchlorate (314.0)	Ammonia as N (350.1)	TRP (420.4)	Conductivity (2510B)	TDS (2540C)	TOC (5310B)	TOX (9020B)	Field pH
50560D	5501563131	ART-8A-20210113	550-156313-6	01/13/21	Stage 2A	Water				X		X			X					X	X				X			X
50560D	5501563131	ART-9-20210113	550-156313-7	01/13/21	Stage 2A	Water				X		X			X					X	X				X			X
50560D	5501563131	PC-150-20210113	550-156313-8	01/13/21	Stage 2A	Water				X		X			X					X	X				X			X
50560D	5501563131	ART-2/2A-20210113-FD	550-156313-9	01/13/21	Stage 2A	Water	FD2			X		X			X					X	X				X			X
50560D	5501563131	ART-3A-20210113 -EB	550-156313-10	01/13/21	Stage 2A	Water	EB			X		X			X					X	X				X			X
50560E	5501564291	I-AD-20210114	550-156429-1	01/14/21	Stage 2A	Water				X		X			X					X	X				X			X
50560E	5501564291	I-K-20210114	550-156429-2	01/14/21	Stage 2A	Water	FD3			X		X			X					X	X				X			X
50560E	5501564291	I-J-20210114	550-156429-3	01/14/21	Stage 2A	Water				X		X			X					X	X				X			X
50560E	5501564291	I-Z-20210114	550-156429-4	01/14/21	Stage 2A	Water				X		X			X					X	X				X			X
50560E	5501564291	I-I-20210114	550-156429-5	01/14/21	Stage 2A	Water				X		X			X					X	X				X			X
50560E	5501564291	I-V-20210114	550-156429-6	01/14/21	Stage 2A	Water				X		X			X					X	X				X			X
50560E	5501564291	I-K-20210114-FD	550-156429-7	01/14/21	Stage 2A	Water	FD3			X		X			X					X	X				X			X
50560F	5501564301	I-Q-20210114	550-156430-1	01/14/21	Stage 2A	Water				X		X			X					X	X				X			X
50560F	5501564301	I-G-20210114	550-156430-2	01/14/21	Stage 2A	Water				X		X			X					X	X				X			X
50560F	5501564301	I-T-20210114	550-156430-3	01/14/21	Stage 2A	Water				X		X			X					X	X				X			X
50560F	5501564301	I-U-20210114	550-156430-4	01/14/21	Stage 2A	Water				X		X			X					X	X				X			X
50560F	5501564301	I-H-20210114	550-156430-5	01/14/21	Stage 2A	Water				X		X			X					X	X				X			X
50560F	5501564301	I-P-20210114	550-156430-6	01/14/21	Stage 2A	Water				X		X			X					X	X				X			X
50560F	5501564301	I-W-20210114	550-156430-7	01/14/21	Stage 2A	Water				X		X			X					X	X				X			X
50560F	5501564301	I-O-20210114	550-156430-8	01/14/21	Stage 2A	Water				X		X			X					X	X				X			X
50560G	5501566041	E1-1-20210118	550-156604-1	01/18/21	Stage 2A	Water				X		X			X					X	X				X			X
50560G	5501566041	E2-4-20210118 -EB	550-156604-10	01/18/21	Stage 2A	Water	EB			X		X			X					X	X				X			X
50560G	5501566041	E1-2-20210118	550-156604-2	01/18/21	Stage 2A	Water				X		X			X					X	X				X			X
50560G	5501566041	E1-3-20210118	550-156604-3	01/18/21	Stage 2A	Water				X		X			X					X	X				X			X
50560G	5501566041	E2-1-20210118	550-156604-4	01/18/21	Stage 2A	Water				X		X			X					X	X				X			X
50560G	5501566041	E2-2-20210118	550-156604-5	01/18/21	Stage 2A	Water				X		X			X					X	X				X			X
50560G	5501566041	E2-3-20210118	550-156604-6	01/18/21	Stage 2A	Water	FD4			X		X			X					X	X				X			X
50560G	5501566041	E2-4-20210118	550-156604-7	01/18/21	Stage 2A	Water				X		X			X					X	X				X			X
50560G	5501566041	E2-5-20210118	550-156604-8	01/18/21	Stage 2A	Water				X		X			X					X	X				X			X
50560G	5501566041	E2-3-20210118-FD	550-156604-9	01/18/21	Stage 2A	Water	FD4			X		X			X					X	X				X			X
50560H	5501566061	I-AC-20210118	550-156606-1	01/18/21	Stage 2A	Water				X		X			X					X	X				X			
50560I	5501569161	LVW8.85-0.6-20210119	550-156916-1	01/19/21	Stage 2A	Water														X	X				X			

Table I. Sample Cross-Reference

LDC	SDG	Client Sample ID	Lab ID	Sample Date	Validation Level	Matrix	QC Type	VOC (8260B)	VOC SIM (8260BSIM)	Chromium (200.7)	Metals (200.7)	CrVI (218.6)	CrVI (SM 3500CRB)	Chloride (300.0)	Nitrate as N (300.0)	Nitrite as N (300.0)	Sulfate (300.0)	NO_3/NO_2 as N (Calc)	TIN (Calc)	Chlorate (300.1B)	Perchlorate (314.0)	Ammonia as N (350.1)	TRP (420.4)	Conductivity (2510B)	TDS (2540C)	TOC (5310B)	TOX (9020B)	Field pH
50560I	5501569161	LVW7.2-1.0-20210119	550-156916-2	01/19/21	Stage 2A	Water	FD5													X	X				X			
50560I	5501569161	LVW7.2-1.0-20210119-FD	550-156916-3	01/19/21	Stage 2A	Water	FD5													X	X				X			
50560I	5501569161	LVW7.2-20210119-FB	550-156916-4	01/19/21	Stage 2A	Water	FB													X	X				X			
50560I	5501569161	LVW6.6-1-1.2-20210119	550-156916-5	01/19/21	Stage 2A	Water														X	X				X			
50560I	5501569161	LVW6.6-2-2.9-20210119	550-156916-6	01/19/21	Stage 2A	Water														X	X				X			
50560I	5501569161	LVW6.6-3-0.5-20210119	550-156916-7	01/19/21	Stage 2A	Water														X	X				X			
50560I	5501569161	LVW6.05-0.6-20210119	550-156916-8	01/19/21	Stage 2A	Water	FD6													X	X				X			
50560I	5501569161	LVW6.05-0.6-20210119-FD	550-156916-9	01/19/21	Stage 2A	Water	FD6													X	X				X			
50560I	5501569161	LVW6.05-20210119-FB	550-156916-10	01/19/21	Stage 2A	Water	FB													X	X				X			
50560I	5501569161	C1-E-0.0-20210119	550-156916-11	01/19/21	Stage 2A	Water														X	X				X			
50560I	5501569161	C1-W-0.0-20210119	550-156916-12	01/19/21	Stage 2A	Water														X	X				X			
50560I	5501569161	LVW5.3-1-3.0-20210119	550-156916-13	01/19/21	Stage 2A	Water														X	X				X			
50560I	5501569161	LVW5.3-2-0.7-20210119	550-156916-14	01/19/21	Stage 2A	Water														X	X				X			
50560I	5501569161	LVW5.3-3-0.7-20210119	550-156916-15	01/19/21	Stage 2A	Water														X	X				X			
50560I	5501569161	LVW5.3-4-0.5-20210119	550-156916-16	01/19/21	Stage 2A	Water														X	X				X			
50560I	5501569161	LVW5.3-5-0.6-20210119	550-156916-17	01/19/21	Stage 2A	Water														X	X				X			
50560I	5501569161	LVW5.3-6-0.7-20210119	550-156916-18	01/19/21	Stage 2A	Water														X	X				X			
50560I	5501569161	LVW0.55-1.0-20210120	550-156916-19	01/20/21	Stage 2A	Water	FD7													X	X				X			
50560I	5501569161	LVW0.55-1.0-20210120-FD	550-156916-20	01/20/21	Stage 2A	Water	FD7													X	X				X			
50560I	5501569161	LVW4.75-1-0.8-20210120	550-156916-21	01/20/21	Stage 2A	Water														X	X				X			
50560I	5501569161	LVW4.75-2-1.4-20210120	550-156916-22	01/20/21	Stage 2A	Water														X	X				X			
50560I	5501569161	LVW4.75-3-0.8-20210120	550-156916-23	01/20/21	Stage 2A	Water														X	X				X			
50560I	5501569161	LVW4.75-4-1.1-20210120	550-156916-24	01/20/21	Stage 2A	Water														X	X				X			
50560I	5501569161	LVW4.75-5-0.9-20210120	550-156916-25	01/20/21	Stage 2A	Water														X	X				X			
50560I	5501569161	LVW4.2-1-1.5-20210120	550-156916-26	01/20/21	Stage 2A	Water														X	X				X			
50560I	5501569161	LVW4.2-2-2.2-20210120	550-156916-27	01/20/21	Stage 2A	Water														X	X				X			
50560I	5501569161	LVW4.2-3-2.8-20210120	550-156916-28	01/20/21	Stage 2A	Water														X	X				X			
50560I	5501569161	LVW4.2-4-1.6-20210120	550-156916-29	01/20/21	Stage 2A	Water														X	X				X			
50560I	5501569161	LVW3.5-1-1.6-20210120	550-156916-30	01/20/21	Stage 2A	Water														X	X				X			
50560I	5501569161	LVW3.5-2-1.0-20210120	550-156916-31	01/20/21	Stage 2A	Water														X	X				X			
50560I	5501569161	LVW3.5-3-1.7-20210120	550-156916-32	01/20/21	Stage 2A	Water														X	X				X			
50560I	5501569161	LVW3.5-4-1.4-20210120	550-156916-33	01/20/21	Stage 2A	Water														X	X				X			

Table I. Sample Cross-Reference

LDC	SDG	Client Sample ID	Lab ID	Sample Date	Validation Level	Matrix	QC Type	VOC (8260B)	VOC SIM (8260BSIM)	Chromium (200.7)	Metals (200.7)	CrVI (218.6)	CrVI (SM 3500CRB)	Chloride (300.0)	Nitrate as N (300.0)	Nitrite as N (300.0)	Sulfate (300.0)	NO_3/NO_2 as N (Calc)	TIN (Calc)	Chlorate (300.1B)	Perchlorate (314.0)	Ammonia as N (350.1)	TRP (420.4)	Conductivity (2510B)	TDS (2540C)	TOC (5310B)	TOX (9020B)	Field pH
50560I	5501569161	LVW3.5-5-1.8-20210120	550-156916-34	01/20/21	Stage 2A	Water														X	X				X			
50560I	5501569161	LVW3.5-6-1.8-20210120	550-156916-35	01/20/21	Stage 2A	Water														X	X				X			
50787A	5501577921	PC-99R2/R3-20210203	550-157792-1	02/03/21	Stage 2A	Water				X		X			X					X	X				X			X
50787A	5501577921	PC-115R-20210203	550-157792-2	02/03/21	Stage 2A	Water				X		X			X					X	X				X			X
50787A	5501577921	PC-116R-20210203	550-157792-3	02/03/21	Stage 2A	Water				X		X			X					X	X				X			X
50787A	5501577921	PC-117-20210203	550-157792-4	02/03/21	Stage 2A	Water				X		X			X					X	X				X			X
50787A	5501577921	PC-118-20210203	550-157792-5	02/03/21	Stage 2A	Water	FD8			X		X			X					X	X				X			X
50787A	5501577921	PC-119-20210203	550-157792-6	02/03/21	Stage 2A	Water				X		X			X					X	X				X			X
50787A	5501577921	PC-120-20210203	550-157792-7	02/03/21	Stage 2A	Water				X		X			X					X	X				X			X
50787A	5501577921	PC-121-20210203	550-157792-8	02/03/21	Stage 2A	Water				X		X			X					X	X				X			X
50787A	5501577921	PC-133-20210203	550-157792-9	02/03/21	Stage 2A	Water				X		X			X					X	X				X			X
50787A	5501577921	PC-118-20210203-FD	550-157792-10	02/03/21	Stage 2A	Water	FD8			X		X			X					X	X				X			X
50787A	5501577921	PC-119-20210203-EB	550-157792-11	02/03/21	Stage 2A	Water	EB			X		X			X					X	X				X			X
50787B	5501577931	ART-1A-20210203	550-157793-1	02/03/21	Stage 2A	Water				X		X			X					X	X				X			X
50787B	5501577931	ART-2/2A-20210203	550-157793-2	02/03/21	Stage 2A	Water				X		X			X					X	X				X			X
50787B	5501577931	ART-3A-20210203	550-157793-3	02/03/21	Stage 2A	Water				X		X			X					X	X				X			X
50787B	5501577931	ART-4-20210203	550-157793-4	02/03/21	Stage 2A	Water	FD9			X		X			X					X	X				X			X
50787B	5501577931	ART-7B-20210203	550-157793-5	02/03/21	Stage 2A	Water				X		X			X					X	X				X			X
50787B	5501577931	ART-8A-20210203	550-157793-6	02/03/21	Stage 2A	Water				X		X			X					X	X				X			X
50787B	5501577931	ART-9-20210203	550-157793-7	02/03/21	Stage 2A	Water				X		X			X					X	X				X			X
50787B	5501577931	PC-150-20210203	550-157793-8	02/03/21	Stage 2A	Water				X		X			X					X	X				X			X
50787B	5501577931	ART-4-20210203-FD	550-157793-9	02/03/21	Stage 2A	Water	FD9			X		X			X					X	X				X			X
50787B	5501577931	ART-7B-20210203-EB	550-157793-10	02/03/21	Stage 2A	Water	EB			X		X			X					X	X				X			X
50787C	5501580701	I-Q-20210208	550-158070-1	02/08/21	Stage 2A	Water				X		X			X					X	X				X			X
50787C	5501580701	I-G-20210208	550-158070-2	02/08/21	Stage 2A	Water				X		X			X					X	X				X			X
50787C	5501580701	I-T-20210208	550-158070-3	02/08/21	Stage 2A	Water				X		X			X					X	X				X			X
50787C	5501580701	I-U-20210208	550-158070-4	02/08/21	Stage 2A	Water				X		X			X					X	X				X			X
50787C	5501580701	I-H-20210208	550-158070-5	02/08/21	Stage 2A	Water				X		X			X					X	X				X			X
50787C	5501580701	I-P-20210208	550-158070-6	02/08/21	Stage 2A	Water				X		X			X					X	X				X			X
50787C	5501580701	I-W-20210208	550-158070-7	02/08/21	Stage 2A	Water				X		X			X					X	X				X			X
50787C	5501580701	I-O-20210208	550-158070-8	02/08/21	Stage 2A	Water				X		X			X					X	X				X			X
50787D	5501581821	I-C-20210209	550-158182-1	02/09/21	Stage 2A	Water				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	VOC (8260B)	VOC SIM (8260BSIM)	Chromium (200.7)	Metals (200.7)	CrVI (218.6)	CrVI (SM 3500CRB)	Chloride (300.0)	Nitrate as N (300.0)	Nitrite as N (300.0)	Sulfate (300.0)	NO_3/NO_2 as N (Calc)	TIN (Calc)	Chlorate (300.1B)	Perchlorate (314.0)	Ammonia as N (350.1)	TRP (420.4)	Conductivity (2510B)	TDS (2540C)	TOC (5310B)	TOX (9020B)	Field pH
50787D	5501581821	I-F-20210209	550-158182-2	02/09/21	Stage 2A	Water				X		X			X					X	X				X			X
50787D	5501581821	I-X-20210209	550-158182-3	02/09/21	Stage 2A	Water				X		X			X					X	X				X			X
50787D	5501581821	I-N-20210209	550-158182-4	02/09/21	Stage 2A	Water				X		X			X					X	X				X			X
50787D	5501581821	I-E-20210209	550-158182-5	02/09/21	Stage 2A	Water				X		X			X					X	X				X			X
50787D	5501581821	I-M-20210209	550-158182-6	02/09/21	Stage 2A	Water	FD10			X		X			X					X	X				X			X
50787D	5501581821	I-D-20210209	550-158182-7	02/09/21	Stage 2A	Water				X					X					X	X				X			X
50787D	5501581821	I-M-20210209-FD	550-158182-8	02/09/21	Stage 2A	Water	FD10			X		X			X					X	X				X			X
50787D	5501581821	I-N-20210209-EB	550-158182-9	02/09/21	Stage 2A	Water	EB			X		X			X					X	X				X			X
50787E	5501581831	I-AA-20210209	550-158183-1	02/09/21	Stage 2A	Water				X		X			X					X	X				X			X
50787E	5501581831	I-AB-20210209	550-158183-2	02/09/21	Stage 2A	Water				X		X			X					X	X				X			X
50787E	5501581831	I-B-20210209	550-158183-3	02/09/21	Stage 2A	Water				X		X			X					X	X				X			X
50787E	5501581831	I-R-20210209	550-158183-4	02/09/21	Stage 2A	Water				X		X			X					X	X				X			X
50787E	5501581831	I-Y-20210209	550-158183-5	02/09/21	Stage 2A	Water				X		X			X					X	X				X			X
50787E	5501581831	I-L-20210209	550-158183-6	02/09/21	Stage 2A	Water				X		X			X					X	X				X			X
50787E	5501581831	I-S-20210209	550-158183-7	02/09/21	Stage 2A	Water				X		X			X					X	X				X			X
50787E	5501581831	I-AR-20210209	550-158183-8	02/09/21	Stage 2A	Water				X		X			X					X	X				X			X
50787F	5501583641	I-AC-20210211	550-158364-1	02/11/21	Stage 2A	Water				X		X			X					X	X				X			X
50787F	5501583641	I-AD-20210211	550-158364-2	02/11/21	Stage 2A	Water				X		X			X					X	X				X			X
50787F	5501583641	I-K-20210211	550-158364-3	02/11/21	Stage 2A	Water				X		X			X					X	X				X			X
50787F	5501583641	I-J-20210211	550-158364-4	02/11/21	Stage 2A	Water				X		X			X					X	X				X			X
50787F	5501583641	I-Z-20210211	550-158364-5	02/11/21	Stage 2A	Water				X		X			X					X	X				X			X
50787F	5501583641	I-I-20210211	550-158364-6	02/11/21	Stage 2A	Water				X		X			X					X	X				X			X
50787F	5501583641	I-V-20210211	550-158364-7	02/11/21	Stage 2A	Water				X		X			X					X	X				X			X
50787F	5501583641	I-D-20210211	550-158364-8	02/11/21	Stage 2A	Water						X																X
50787G	5501583651	E1-1-20210211	550-158365-1	02/11/21	Stage 2A	Water				X		X			X					X	X				X			X
50787G	5501583651	E1-2-20210211	550-158365-2	02/11/21	Stage 2A	Water				X		X			X					X	X				X			X
50787G	5501583651	E1-3-20210211	550-158365-3	02/11/21	Stage 2A	Water				X		X			X					X	X				X			X
50787G	5501583651	E2-1-20210211	550-158365-4	02/11/21	Stage 2A	Water				X		X			X					X	X				X			X
50787G	5501583651	E2-2-20210211	550-158365-5	02/11/21	Stage 2A	Water				X		X			X					X	X				X			X
50787G	5501583651	E2-3-20210211	550-158365-6	02/11/21	Stage 2A	Water				X		X			X					X	X				X			X
50787G	5501583651	E2-4-20210211	550-158365-7	02/11/21	Stage 2A	Water				X		X			X					X	X				X			X
50787G	5501583651	E2-5-20210211	550-158365-8	02/11/21	Stage 2A	Water	FD11			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	VOC (8260B)	VOC SIM (8260BSIM)	Chromium (200.7)	Metals (200.7)	CrVI (218.6)	CrVI (SM 3500CRB)	Chloride (300.0)	Nitrate as N (300.0)	Nitrite as N (300.0)	Sulfate (300.0)	NO_3/NO_2 as N (Calc)	TIN (Calc)	Chlorate (300.1B)	Perchlorate (314.0)	Ammonia as N (350.1)	TRP (420.4)	Conductivity (2510B)	TDS (2540C)	TOC (5310B)	TOX (9020B)	Field pH
50787G	5501583651	E1-1-20210211-EB	550-158365-9	02/11/21	Stage 2A	Water	EB			X		X			X					X	X				X			X
50787G	5501583651	E2-5-20210211-FD	550-158365-10	02/11/21	Stage 2A	Water	FD11			X		X			X					X	X				X			X
50787H	5501587001	M-12A-20210217	550-158700-1	02/17/21	Stage 2A	Water				X		X									X				X			
50787H	5501587001	M-12A-20210217-FB4	550-158700-2	02/17/21	Stage 2A	Water	FB			X		X									X				X			
50787H	5501587001	M-11-20210217	550-158700-3	02/17/21	Stage 2A	Water				X		X									X				X			
50787H	5501587001	M-11-20210217-EB4	550-158700-4	02/17/21	Stage 2A	Water	EB			X		X									X				X			
50787H	5501587001	M-80-20210217	550-158700-5	02/17/21	Stage 2A	Water				X		X									X				X			
50787I	5501588061	M-37-20210218	550-158806-1	02/18/21	Stage 2A	Water				X		X									X				X			
50787I	5501588061	M-38-20210218	550-158806-2	02/18/21	Stage 2A	Water	FD12			X		X									X				X			
50787I	5501588061	M-38-20210218-FD4	550-158806-3	02/18/21	Stage 2A	Water	FD12			X		X									X				X			
50787I	5501588061	M-44-20210218	550-158806-4	02/18/21	Stage 2A	Water				X		X									X				X			
50787J	5501588071	M-10-20210218	550-158807-1	02/18/21	Stage 2A	Water					X	X		X	X	X		X	X		X	X			X			
50787K	5501589241	LVW8.85-0.4-20210215	550-158924-1	02/15/21	Stage 2A	Water														X	X				X			
50787K	5501589241	LVW7.2-1.1-20210215	550-158924-2	02/15/21	Stage 2A	Water	FD13													X	X				X			
50787K	5501589241	LVW7.2-1.1-20210215-FD	550-158924-3	02/15/21	Stage 2A	Water	FD13													X	X				X			
50787K	5501589241	LVW6.6-1-1.5-20210215	550-158924-4	02/15/21	Stage 2A	Water														X	X				X			
50787K	5501589241	LVW6.6-2-2.7-20210215	550-158924-5	02/15/21	Stage 2A	Water														X	X				X			
50787K	5501589241	LVW6.6-3-0.8-20210215	550-158924-6	02/15/21	Stage 2A	Water														X	X				X			
50787K	5501589241	LVW6.05-1.0-20210215	550-158924-7	02/15/21	Stage 2A	Water	FD14													X	X				X			
50787K	5501589241	LVW6.05-1.0-20210215-FD	550-158924-8	02/15/21	Stage 2A	Water	FD14													X	X				X			
50787K	5501589241	LVW6.05-20210215-FB	550-158924-9	02/15/21	Stage 2A	Water	FB													X	X				X			
50787K	5501589241	C1-E-0.0-20210215	550-158924-10	02/15/21	Stage 2A	Water														X	X				X			
50787K	5501589241	C1-W-0.0-20210215	550-158924-11	02/15/21	Stage 2A	Water														X	X				X			
50787K	5501589241	LVW5.3-1-3.0-20210215	550-158924-12	02/15/21	Stage 2A	Water														X	X				X			
50787K	5501589241	LVW5.3-2-0.9-20210215	550-158924-13	02/15/21	Stage 2A	Water														X	X				X			
50787K	5501589241	LVW5.3-3-0.8-20210215	550-158924-14	02/15/21	Stage 2A	Water														X	X				X			
50787K	5501589241	LVW5.3-4-0.4-20210215	550-158924-15	02/15/21	Stage 2A	Water														X	X				X			
50787K	5501589241	LVW5.3-5-0.5-20210215	550-158924-16	02/15/21	Stage 2A	Water														X	X				X			
50787K	5501589241	LVW5.3-6-0.8-20210215	550-158924-17	02/15/21	Stage 2A	Water														X	X				X			
50787K	5501589241	LVW4.75-1-0.8-20210216	550-158924-18	02/16/21	Stage 2A	Water														X	X				X			
50787K	5501589241	LVW4.75-2-1.2-20210216	550-158924-19	02/16/21	Stage 2A	Water														X	X				X			
50787K	5501589241	LVW4.75-3-0.8-20210216	550-158924-20	02/16/21	Stage 2A	Water														X	X				X			

Table I. Sample Cross-Reference

LDC	SDG	Client Sample ID	Lab ID	Sample Date	Validation Level	Matrix	QC Type	VOC (8260B)	VOC SIM (8260BSIM)	Chromium (200.7)	Metals (200.7)	CrVI (218.6)	CrVI (SM 3500CRB)	Chloride (300.0)	Nitrate as N (300.0)	Nitrite as N (300.0)	Sulfate (300.0)	NO_3/NO_2 as N (Calc)	TIN (Calc)	Chlorate (300.1B)	Perchlorate (314.0)	Ammonia as N (350.1)	TRP (420.4)	Conductivity (2510B)	TDS (2540C)	TOC (5310B)	TOX (9020B)	Field pH
50787K	5501589241	LVW4.75-4-1.3-20210216	550-158924-21	02/16/21	Stage 2A	Water														X	X				X			
50787K	5501589241	LVW4.75-5-1.0-20210216	550-158924-22	02/16/21	Stage 2A	Water														X	X				X			
50787K	5501589241	LVW4.2-1-1.5-20210216	550-158924-23	02/16/21	Stage 2A	Water														X	X				X			
50787K	5501589241	LVW4.2-2-2.0-20210216	550-158924-24	02/16/21	Stage 2A	Water														X	X				X			
50787K	5501589241	LVW4.2-3-3.5-20210216	550-158924-25	02/16/21	Stage 2A	Water														X	X				X			
50787K	5501589241	LVW4.2-4-1.6-20210216	550-158924-26	02/16/21	Stage 2A	Water														X	X				X			
50787K	5501589241	LVW3.5-1-1.4-20210216	550-158924-27	02/16/21	Stage 2A	Water														X	X				X			
50787K	5501589241	LVW3.5-2-1.0-20210216	550-158924-28	02/16/21	Stage 2A	Water														X	X				X			
50787K	5501589241	LVW3.5-3-1.6-20210216	550-158924-29	02/16/21	Stage 2A	Water														X	X				X			
50787K	5501589241	LVW3.5-4-1.3-20210216	550-158924-30	02/16/21	Stage 2A	Water														X	X				X			
50787K	5501589241	LVW3.5-5-1.7-20210216	550-158924-31	02/16/21	Stage 2A	Water														X	X				X			
50787K	5501589241	LVW3.5-6-1.7-20210216	550-158924-32	02/16/21	Stage 2A	Water														X	X				X			
50787K	5501589241	LVW0.55-1.0-20210215	550-158924-33	02/15/21	Stage 2A	Water	FD15													X	X				X			
50787K	5501589241	LVW0.55-1.0-20210215-FD	550-158924-34	02/15/21	Stage 2A	Water	FD15													X	X				X			
50787K	5501589241	LVW0.55-20210215-FB	550-158924-35	02/15/21	Stage 2A	Water	FB													X	X				X			
51160A	5501594121	PC-99R2/R3-20210302	550-159412-1	03/02/21	Stage 2A	Water				X		X			X					X	X				X			X
51160A	5501594121	PC-115R-20210302	550-159412-2	03/02/21	Stage 2A	Water				X		X			X					X	X				X			X
51160A	5501594121	PC-116R-20210302	550-159412-3	03/02/21	Stage 2A	Water				X		X			X					X	X				X			X
51160A	5501594121	PC-117-20210302	550-159412-4	03/02/21	Stage 2A	Water				X		X			X					X	X				X			X
51160A	5501594121	PC-118-20210302	550-159412-5	03/02/21	Stage 2A	Water				X		X			X					X	X				X			X
51160A	5501594121	PC-119-20210302	550-159412-6	03/02/21	Stage 2A	Water				X		X			X					X	X				X			X
51160A	5501594121	PC-120-20210302	550-159412-7	03/02/21	Stage 2A	Water				X		X			X					X	X				X			X
51160A	5501594121	PC-121-20210302	550-159412-8	03/02/21	Stage 2A	Water				X		X			X					X	X				X			X
51160A	5501594121	PC-133-20210302	550-159412-9	03/02/21	Stage 2A	Water	FD16			X		X			X					X	X				X			X
51160A	5501594121	PC-120-20210302 FD	550-159412-10	03/02/21	Stage 2A	Water	FD16			X		X			X					X	X				X			X
51160A	5501594121	PC-121-20210302 EB	550-159412-11	03/02/21	Stage 2A	Water	EB			X		X			X					X	X				X			X
51160B	5501594131	ART-1A-20210302	550-159413-1	03/02/21	Stage 2A	Water				X		X			X					X	X				X			X
51160B	5501594131	ART-2/2A-20210302	550-159413-2	03/02/21	Stage 2A	Water				X		X			X					X	X				X			X
51160B	5501594131	ART-3A-20210302	550-159413-3	03/02/21	Stage 2A	Water				X		X			X					X	X				X			X
51160B	5501594131	ART-4-20210302	550-159413-4	03/02/21	Stage 2A	Water				X		X			X					X	X				X			X
51160B	5501594131	ART-7B-20210302	550-159413-5	03/02/21	Stage 2A	Water				X		X			X					X	X				X			X
51160B	5501594131	ART-8A-20210302	550-159413-6	03/02/21	Stage 2A	Water	FD17			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	VOC (8260B)	VOC SIM (8260BSIM)	Chromium (200.7)	Metals (200.7)	CrVI (218.6)	CrVI (SM 3500CRB)	Chloride (300.0)	Nitrate as N (300.0)	Nitrite as N (300.0)	Sulfate (300.0)	NO_3/NO_2 as N (Calc)	TIN (Calc)	Chlorate (300.1B)	Perchlorate (314.0)	Ammonia as N (350.1)	TRP (420.4)	Conductivity (2510B)	TDS (2540C)	TOC (5310B)	TOX (9020B)	Field pH
51160B	5501594131	ART-9-20210302	550-159413-7	03/02/21	Stage 2A	Water				X		X			X					X	X				X			X
51160B	5501594131	PC-150 -20210302	550-159413-8	03/02/21	Stage 2A	Water				X		X			X					X	X				X			X
51160B	5501594131	ART-8A-20210302 FD	550-159413-9	03/02/21	Stage 2A	Water	FD17			X		X			X					X	X				X			X
51160B	5501594131	ART-9-20210302 EB	550-159413-10	03/02/21	Stage 2A	Water	EB			X		X			X					X	X				X			X
51160C	5501597571	E1-1-20210308	550-159757-1	03/08/21	Stage 2A	Water				X		X			X					X	X				X			X
51160C	5501597571	E1-2-20210308	550-159757-2	03/08/21	Stage 2A	Water	FD18			X		X			X					X	X				X			X
51160C	5501597571	E1-3-20210308	550-159757-3	03/08/21	Stage 2A	Water				X		X			X					X	X				X			X
51160C	5501597571	E2-1-20210308	550-159757-4	03/08/21	Stage 2A	Water				X		X			X					X	X				X			X
51160C	5501597571	E2-2-20210308	550-159757-5	03/08/21	Stage 2A	Water				X		X			X					X	X				X			X
51160C	5501597571	E2-3-20210308	550-159757-6	03/08/21	Stage 2A	Water				X		X			X					X	X				X			X
51160C	5501597571	E2-4-20210308	550-159757-7	03/08/21	Stage 2A	Water				X		X			X					X	X				X			X
51160C	5501597571	E2-5-20210308	550-159757-8	03/08/21	Stage 2A	Water				X		X			X					X	X				X			X
51160C	5501597571	E1-2-20210308 FD	550-159757-9	03/08/21	Stage 2A	Water	FD18			X		X			X					X	X				X			X
51160C	5501597571	E1-3-20210308 EB	550-159757-10	03/08/21	Stage 2A	Water	EB			X		X			X					X	X				X			X
51160D	5501599171	I-Q-20210310	550-159917-1	03/10/21	Stage 2A	Water				X		X			X					X	X				X			X
51160D	5501599171	I-G-20210310	550-159917-2	03/10/21	Stage 2A	Water				X		X			X					X	X				X			X
51160D	5501599171	I-T-20210310	550-159917-3	03/10/21	Stage 2A	Water				X		X			X					X	X				X			X
51160D	5501599171	I-U-20210310	550-159917-4	03/10/21	Stage 2A	Water				X		X			X					X	X				X			X
51160D	5501599171	I-H-20210310	550-159917-5	03/10/21	Stage 2A	Water				X		X			X					X	X				X			X
51160D	5501599171	I-P-20210310	550-159917-6	03/10/21	Stage 2A	Water				X		X			X					X	X				X			X
51160D	5501599171	I-W-20210310	550-159917-7	03/10/21	Stage 2A	Water				X		X			X					X	X				X			X
51160D	5501599171	I-O-20210310	550-159917-8	03/10/21	Stage 2A	Water	FD19			X		X			X					X	X				X			X
51160D	5501599171	I-O-20210310 FD	550-159917-9	03/10/21	Stage 2A	Water	FD19			X		X			X					X	X				X			X
51160D	5501599171	I-P-20210310 EB	550-159917-10	03/10/21	Stage 2A	Water	EB			X		X								X	X				X			X
51160E	5501599191	I-C-20210310	550-159919-1	03/10/21	Stage 2A	Water				X		X			X					X	X				X			X
51160E	5501599191	I-F-20210310	550-159919-2	03/10/21	Stage 2A	Water				X		X			X					X	X				X			X
51160E	5501599191	I-X-20210310	550-159919-3	03/10/21	Stage 2A	Water				X		X			X					X	X				X			X
51160E	5501599191	I-N-20210310	550-159919-4	03/10/21	Stage 2A	Water				X		X			X					X	X				X			X
51160E	5501599191	I-E-20210310	550-159919-5	03/10/21	Stage 2A	Water				X		X			X					X	X				X			X
51160E	5501599191	I-M-20210310	550-159919-6	03/10/21	Stage 2A	Water				X		X			X					X	X				X			X
51160E	5501599191	I-D-20210310	550-159919-7	03/10/21	Stage 2A	Water				X		X			X					X	X				X			X
51160F	5501599951	I-AC-20210311	550-159995-1	03/11/21	Stage 2A	Water				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	VOC (8260B)	VOC SIM (8260BSIM)	Chromium (200.7)	Metals (200.7)	CrVI (218.6)	CrVI (SM 3500CRB)	Chloride (300.0)	Nitrate as N (300.0)	Nitrite as N (300.0)	Sulfate (300.0)	NO_3/NO_2 as N (Calc)	TIN (Calc)	Chlorate (300.1B)	Perchlorate (314.0)	Ammonia as N (350.1)	TRP (420.4)	Conductivity (2510B)	TDS (2540C)	TOC (5310B)	TOX (9020B)	Field pH
51160F	5501599951	I-AD-20210311	550-159995-2	03/11/21	Stage 2A	Water				X		X			X					X	X				X			X
51160F	5501599951	I-K-20210311	550-159995-3	03/11/21	Stage 2A	Water				X		X			X					X	X				X			X
51160F	5501599951	I-J-20210311	550-159995-4	03/11/21	Stage 2A	Water				X		X			X					X	X				X			X
51160F	5501599951	I-Z-20210311	550-159995-5	03/11/21	Stage 2A	Water				X		X			X					X	X				X			X
51160F	5501599951	I-I-20210311	550-159995-6	03/11/21	Stage 2A	Water				X		X			X					X	X				X			X
51160F	5501599951	I-V-20210311	550-159995-7	03/11/21	Stage 2A	Water				X		X			X					X	X				X			X
51160G	5501599961	I-AA-20210311	550-159996-1	03/11/21	Stage 2A	Water				X		X			X					X	X				X			X
51160G	5501599961	I-AB-20210311	550-159996-2	03/11/21	Stage 2A	Water				X		X			X					X	X				X			X
51160G	5501599961	I-B-20210311	550-159996-3	03/11/21	Stage 2A	Water				X		X			X					X	X				X			X
51160G	5501599961	I-R-20210311	550-159996-4	03/11/21	Stage 2A	Water				X		X			X					X	X				X			X
51160G	5501599961	I-Y-20210311	550-159996-5	03/11/21	Stage 2A	Water				X		X			X					X	X				X			X
51160G	5501599961	I-L-20210311	550-159996-6	03/11/21	Stage 2A	Water				X		X			X					X	X				X			X
51160G	5501599961	I-S-20210311	550-159996-7	03/11/21	Stage 2A	Water				X		X			X					X	X				X			X
51160G	5501599961	I-AR-20210311	550-159996-8	03/11/21	Stage 2A	Water				X		X			X					X	X				X			X
51160H	5501603181	LVW8.85-0.5-20210317	550-160318-1	03/17/21	Stage 2A	Water														X	X				X			
51160H	5501603181	LVW7.2-1.0-20210317	550-160318-2	03/17/21	Stage 2A	Water	FD20													X	X				X			
51160H	5501603181	LVW7.2-1.0-20210317-FD	550-160318-3	03/17/21	Stage 2A	Water	FD20													X	X				X			
51160H	5501603181	LVW6.6-1-2.0-20210317	550-160318-4	03/17/21	Stage 2A	Water														X	X				X			
51160H	5501603181	LVW6.6-2-3.0-20210317	550-160318-5	03/17/21	Stage 2A	Water														X	X				X			
51160H	5501603181	LVW6.6-3-2.8-20210317	550-160318-6	03/17/21	Stage 2A	Water														X	X				X			
51160H	5501603181	LVW6.05-0.6-20210317	550-160318-7	03/17/21	Stage 2A	Water	FD21													X	X				X			
51160H	5501603181	LVW6.05-0.6-20210317-FD	550-160318-8	03/17/21	Stage 2A	Water	FD21													X	X				X			
51160H	5501603181	LVW6.05-20210317-FB	550-160318-9	03/17/21	Stage 2A	Water	FB													X	X				X			
51160H	5501603181	C1-E-0.0-20210317	550-160318-10	03/17/21	Stage 2A	Water														X	X				X			
51160H	5501603181	C1-W-0.0-20210317	550-160318-11	03/17/21	Stage 2A	Water														X	X				X			
51160H	5501603181	LVW5.3-1-2.4-20210317	550-160318-12	03/17/21	Stage 2A	Water														X	X				X			
51160H	5501603181	LVW5.3-2-0.5-20210317	550-160318-13	03/17/21	Stage 2A	Water														X	X				X			
51160H	5501603181	LVW5.3-3-0.5-20210317	550-160318-14	03/17/21	Stage 2A	Water														X	X				X			
51160H	5501603181	LVW5.3-4-0.6-20210317	550-160318-15	03/17/21	Stage 2A	Water														X	X				X			
51160H	5501603181	LVW5.3-5-0.6-20210317	550-160318-16	03/17/21	Stage 2A	Water														X	X				X			
51160H	5501603181	LVW5.3-6-0.6-20210317	550-160318-17	03/17/21	Stage 2A	Water														X	X				X			
51160H	5501603181	LVW4.75-1-1.5-20210316	550-160318-18	03/16/21	Stage 2A	Water														X	X				X			

Table I. Sample Cross-Reference

LDC	SDG	Client Sample ID	Lab ID	Sample Date	Validation Level	Matrix	QC Type	VOC (8260B)	VOC SIM (8260BSIM)	Chromium (200.7)	Metals (200.7)	CrVI (218.6)	CrVI (SM 3500CRB)	Chloride (300.0)	Nitrate as N (300.0)	Nitrite as N (300.0)	Sulfate (300.0)	NO_3/NO_2 as N (Calc)	TIN (Calc)	Chlorate (300.1B)	Perchlorate (314.0)	Ammonia as N (350.1)	TRP (420.4)	Conductivity (2510B)	TDS (2540C)	TOC (5310B)	TOX (9020B)	Field pH
51160H	5501603181	LVW4.75-2-1.5-20210316	550-160318-19	03/16/21	Stage 2A	Water														X	X				X			
51160H	5501603181	LVW4.75-3-1.0-20210316	550-160318-20	03/16/21	Stage 2A	Water														X	X				X			
51160H	5501603181	LVW4.75-4-1.0-20210316	550-160318-21	03/16/21	Stage 2A	Water														X	X				X			
51160H	5501603181	LVW4.75-5-1.2-20210316	550-160318-22	03/16/21	Stage 2A	Water														X	X				X			
51160H	5501603181	LVW4.2-1-1.5-20210316	550-160318-23	03/16/21	Stage 2A	Water														X	X				X			
51160H	5501603181	LVW4.2-2-2.4-20210316	550-160318-24	03/16/21	Stage 2A	Water														X	X				X			
51160H	5501603181	LVW4.2-3-3.0-20210316	550-160318-25	03/16/21	Stage 2A	Water														X	X				X			
51160H	5501603181	LVW4.2-4-1.8-20210316	550-160318-26	03/16/21	Stage 2A	Water														X	X				X			
51160H	5501603181	LVW3.5-1-1.3-20210316	550-160318-27	03/16/21	Stage 2A	Water														X	X				X			
51160H	5501603181	LVW3.5-2-1.3-20210316	550-160318-28	03/16/21	Stage 2A	Water														X	X				X			
51160H	5501603181	LVW3.5-3-1.6-20210316	550-160318-29	03/16/21	Stage 2A	Water														X	X				X			
51160H	5501603181	LVW3.5-4-1.5-20210316	550-160318-30	03/16/21	Stage 2A	Water														X	X				X			
51160H	5501603181	LVW3.5-5-1.4-20210316	550-160318-31	03/16/21	Stage 2A	Water														X	X				X			
51160H	5501603181	LVW3.5-6-1.4-20210316	550-160318-32	03/16/21	Stage 2A	Water														X	X				X			
51160H	5501603181	LVW0.55-1.1-20210316	550-160318-33	03/16/21	Stage 2A	Water	FD22													X	X				X			
51160H	5501603181	LVW0.55-1.1-20210316-FD	550-160318-34	03/16/21	Stage 2A	Water	FD22													X	X				X			
51160H	5501603181	LVW0.55-20210316-FB	550-160318-35	03/16/21	Stage 2A	Water	FB													X	X				X			
51414A	5501610801	I-AA-20210401	550-161080-1	04/01/21	Stage 2A	Water				X		X			X					X	X				X			X
51414A	5501610801	I-AB-20210401	550-161080-2	04/01/21	Stage 2A	Water				X		X			X					X	X				X			X
51414A	5501610801	I-B-20210401	550-161080-3	04/01/21	Stage 2A	Water				X		X			X					X	X				X			X
51414A	5501610801	I-R-20210401	550-161080-4	04/01/21	Stage 2A	Water				X		X			X					X	X				X			X
51414A	5501610801	I-Y-20210401	550-161080-5	04/01/21	Stage 2A	Water				X		X			X					X	X				X			X
51414A	5501610801	I-L-20210401	550-161080-6	04/01/21	Stage 2A	Water				X		X			X					X	X				X			X
51414A	5501610801	I-S-20210401	550-161080-7	04/01/21	Stage 2A	Water				X		X			X					X	X				X			X
51414A	5501610801	I-R-20210401-EB	550-161080-8	04/01/21	Stage 2A	Water	EB			X		X			X					X	X				X			X
51414A	5501610801	I-AR-20210401	550-161080-9	04/01/21	Stage 2A	Water				X		X			X					X	X				X			X
51414B	5501610811	I-C-20210401	550-161081-1	04/01/21	Stage 2A	Water				X		X			X					X	X				X			X
51414B	5501610811	I-F-20210401	550-161081-2	04/01/21	Stage 2A	Water				X		X			X					X	X				X			X
51414B	5501610811	I-X-20210401	550-161081-3	04/01/21	Stage 2A	Water				X		X			X					X	X				X			X
51414B	5501610811	I-N-20210401	550-161081-4	04/01/21	Stage 2A	Water				X		X			X					X	X				X			X
51414B	5501610811	I-E-20210401	550-161081-5	04/01/21	Stage 2A	Water				X		X			X					X	X				X			X
51414B	5501610811	I-M-20210401	550-161081-6	04/01/21	Stage 2A	Water				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	VOC (8260B)	VOC SIM (8260BSIM)	Chromium (200.7)	Metals (200.7)	CrVI (218.6)	CrVI (SM 3500CRB)	Chloride (300.0)	Nitrate as N (300.0)	Nitrite as N (300.0)	Sulfate (300.0)	NO_3/NO_2 as N (Calc)	TIN (Calc)	Chlorate (300.1B)	Perchlorate (314.0)	Ammonia as N (350.1)	TRP (420.4)	Conductivity (2510B)	TDS (2540C)	TOC (5310B)	TOX (9020B)	Field pH
51414B	5501610811	I-D-20210401	550-161081-7	04/01/21	Stage 2A	Water				X		X			X					X	X				X			X
51414C	5501610821	I-Q-2021 04 01	550-161082-1	04/01/21	Stage 2A	Water	FD23			X		X			X					X	X				X			X
51414C	5501610821	I-G-2021 04 01	550-161082-2	04/01/21	Stage 2A	Water				X		X			X					X	X				X			X
51414C	5501610821	I-T-2021 04 01	550-161082-3	04/01/21	Stage 2A	Water				X		X			X					X	X				X			X
51414C	5501610821	I-U-2021 04 01	550-161082-4	04/01/21	Stage 2A	Water				X		X			X					X	X				X			X
51414C	5501610821	I-H-2021 04 01	550-161082-5	04/01/21	Stage 2A	Water				X		X			X					X	X				X			X
51414C	5501610821	I-P-2021 04 01	550-161082-6	04/01/21	Stage 2A	Water				X		X			X					X	X				X			X
51414C	5501610821	I-W-2021 04 01	550-161082-7	04/01/21	Stage 2A	Water				X		X			X					X	X				X			X
51414C	5501610821	I-O-2021 04 01	550-161082-8	04/01/21	Stage 2A	Water				X		X			X					X	X				X			X
51414C	5501610821	I-Q-2021 04 01-FD	550-161082-9	04/01/21	Stage 2A	Water	FD23			X		X			X					X	X				X			X
51414D	5501612291	E1-1-20210405	550-161229-1	04/05/21	Stage 2A	Water				X		X			X					X	X				X			X
51414D	5501612291	E1-2-20210405	550-161229-2	04/05/21	Stage 2A	Water				X		X			X					X	X				X			X
51414D	5501612291	E1-3-20210405	550-161229-3	04/05/21	Stage 2A	Water				X		X			X					X	X				X			X
51414D	5501612291	E2-1-20210405	550-161229-4	04/05/21	Stage 2A	Water	FD24			X		X			X					X	X				X			X
51414D	5501612291	E2-2-20210405	550-161229-5	04/05/21	Stage 2A	Water				X		X			X					X	X				X			X
51414D	5501612291	E2-3-20210405	550-161229-6	04/05/21	Stage 2A	Water				X		X			X					X	X				X			X
51414D	5501612291	E2-4-20210405	550-161229-7	04/05/21	Stage 2A	Water				X		X			X					X	X				X			X
51414D	5501612291	E2-5-20210405	550-161229-8	04/05/21	Stage 2A	Water				X		X			X					X	X				X			X
51414D	5501612291	E2-1-20210405-FD	550-161229-9	04/05/21	Stage 2A	Water	FD24			X		X			X					X	X				X			X
51414D	5501612291	E2-2-20210405-EB	550-161229-10	04/05/21	Stage 2A	Water	EB			X		X			X					X	X				X			X
51414E	5501613321	ART-1A-20210406	550-161332-1	04/06/21	Stage 2A	Water				X		X			X					X	X				X			X
51414E	5501613321	ART-2/2A-20210406	550-161332-2	04/06/21	Stage 2A	Water				X		X			X					X	X				X			X
51414E	5501613321	ART-3A-20210406	550-161332-3	04/06/21	Stage 2A	Water				X		X			X					X	X				X			X
51414E	5501613321	ART-4-20210406	550-161332-4	04/06/21	Stage 2A	Water				X		X			X					X	X				X			X
51414E	5501613321	ART-7B-20210406	550-161332-5	04/06/21	Stage 2A	Water				X		X			X					X	X				X			X
51414E	5501613321	ART-8A-20210406	550-161332-6	04/06/21	Stage 2A	Water				X		X			X					X	X				X			X
51414E	5501613321	ART-9-20210406	550-161332-7	04/06/21	Stage 2A	Water				X		X			X					X	X				X			X
51414E	5501613321	PC-150-20210406	550-161332-8	04/06/21	Stage 2A	Water	FD25			X		X			X					X	X				X			X
51414E	5501613321	PC-150-20210406-FD	550-161332-9	04/06/21	Stage 2A	Water	FD25			X		X			X					X	X				X			X
51414E	5501613321	ART-1A-20210406-EB	550-161332-10	04/06/21	Stage 2A	Water	EB			X		X			X					X	X				X			X
51414F	5501613331	PC-99R2/R3-20210406	550-161333-1	04/06/21	Stage 2A	Water				X		X			X					X	X				X			X
51414F	5501613331	PC-115R-20210406	550-161333-2	04/06/21	Stage 2A	Water				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	VOC (8260B)	VOC SIM (8260BSIM)	Chromium (200.7)	Metals (200.7)	CrVI (218.6)	CrVI (SM 3500CRB)	Chloride (300.0)	Nitrate as N (300.0)	Nitrite as N (300.0)	Sulfate (300.0)	NO_3/NO_2 as N (Calc)	TIN (Calc)	Chlorate (300.1B)	Perchlorate (314.0)	Ammonia as N (350.1)	TRP (420.4)	Conductivity (2510B)	TDS (2540C)	TOC (5310B)	TOX (9020B)	Field pH
51414F	5501613331	PC-116R-20210406	550-161333-3	04/06/21	Stage 2A	Water				X		X			X					X	X				X			X
51414F	5501613331	PC-117-20210406	550-161333-4	04/06/21	Stage 2A	Water				X		X			X					X	X				X			X
51414F	5501613331	PC-118-20210406	550-161333-5	04/06/21	Stage 2A	Water				X		X			X					X	X				X			X
51414F	5501613331	PC-119-20210406	550-161333-6	04/06/21	Stage 2A	Water				X		X			X					X	X				X			X
51414F	5501613331	PC-120-20210406	550-161333-7	04/06/21	Stage 2A	Water				X		X			X					X	X				X			X
51414F	5501613331	PC-121-20210406	550-161333-8	04/06/21	Stage 2A	Water				X		X			X					X	X				X			X
51414F	5501613331	PC-133-20210406	550-161333-9	04/06/21	Stage 2A	Water	FD26			X		X			X					X	X				X			X
51414F	5501613331	PC-133-20210406-FD	550-161333-10	04/06/21	Stage 2A	Water	FD26			X		X			X					X	X				X			X
51414F	5501613331	PC-99R2/R3-20210406-EB	550-161333-11	04/06/21	Stage 2A	Water	EB			X		X			X					X	X				X			X
51414G	5501616061	I-AC-20210408	550-161606-1	04/08/21	Stage 2A	Water				X		X			X					X	X				X			X
51414G	5501616061	I-AD-20210408	550-161606-2	04/08/21	Stage 2A	Water				X		X			X					X	X				X			X
51414G	5501616061	I-K-20210408	550-161606-3	04/08/21	Stage 2A	Water				X		X			X					X	X				X			X
51414G	5501616061	I-J-20210408	550-161606-4	04/08/21	Stage 2A	Water				X		X			X					X	X				X			X
51414G	5501616061	I-Z-20210408	550-161606-5	04/08/21	Stage 2A	Water				X		X			X					X	X				X			X
51414G	5501616061	I-I-20210408	550-161606-6	04/08/21	Stage 2A	Water				X		X			X					X	X				X			X
51414G	5501616061	I-V-20210408	550-161606-7	04/08/21	Stage 2A	Water				X		X			X					X	X				X			X
51414H	5501621241	LVW8.85-0.7-20210416	550-162124-1	04/16/21	Stage 2A	Water														X	X				X			
51414H	5501621241	LVW7.2-1.0-20210416	550-162124-2	04/16/21	Stage 2A	Water	FD27													X	X				X			
51414H	5501621241	LVW7.2-1.0-20210416-FD	550-162124-3	04/16/21	Stage 2A	Water	FD27													X	X				X			
51414H	5501621241	LVW6.6-1-1.4-20210416	550-162124-4	04/16/21	Stage 2A	Water														X	X				X			
51414H	5501621241	LVW6.6-2-2.7-20210416	550-162124-5	04/16/21	Stage 2A	Water														X	X				X			
51414H	5501621241	LVW6.6-3-2.7-20210416	550-162124-6	04/16/21	Stage 2A	Water														X	X				X			
51414H	5501621241	LVW6.05-0.7-20210416	550-162124-7	04/16/21	Stage 2A	Water	FD28													X	X				X			
51414H	5501621241	LVW6.05-0.7-20210416-FD	550-162124-8	04/16/21	Stage 2A	Water	FD28													X	X				X			
51414H	5501621241	LVW6.05-20210416-FB	550-162124-9	04/16/21	Stage 2A	Water	FB													X	X				X			
51414H	5501621241	C1-E-0.0-20210416	550-162124-10	04/16/21	Stage 2A	Water														X	X				X			
51414H	5501621241	C1-W-0.0-20210416	550-162124-11	04/16/21	Stage 2A	Water														X	X				X			
51414H	5501621241	LVW5.3-1-2.8-20210415	550-162124-12	04/15/21	Stage 2A	Water														X	X				X			
51414H	5501621241	LVW5.3-2-0.7-20210415	550-162124-13	04/15/21	Stage 2A	Water														X	X				X			
51414H	5501621241	LVW5.3-3-0.7-20210415	550-162124-14	04/15/21	Stage 2A	Water														X	X				X			
51414H	5501621241	LVW5.3-4-0.7-20210415	550-162124-15	04/15/21	Stage 2A	Water														X	X				X			
51414H	5501621241	LVW5.3-5-0.7-20210415	550-162124-16	04/15/21	Stage 2A	Water														X	X				X			

Table I. Sample Cross-Reference

LDC	SDG	Client Sample ID	Lab ID	Sample Date	Validation Level	Matrix	QC Type	VOC (8260B)	VOC SIM (8260BSIM)	Chromium (200.7)	Metals (200.7)	CrVI (218.6)	CrVI (SM 3500CRB)	Chloride (300.0)	Nitrate as N (300.0)	Nitrite as N (300.0)	Sulfate (300.0)	NO_3/NO_2 as N (Calc)	TIN (Calc)	Chlorate (300.1B)	Perchlorate (314.0)	Ammonia as N (350.1)	TRP (420.4)	Conductivity (2510B)	TDS (2540C)	TOC (5310B)	TOX (9020B)	Field pH
51414H	5501621241	LVW5.3-6-0.7-20210415	550-162124-17	04/15/21	Stage 2A	Water														X	X				X			
51414H	5501621241	LVW4.75-1-1.5-20210415	550-162124-18	04/15/21	Stage 2A	Water														X	X				X			
51414H	5501621241	LVW4.75-2-1.7-20210415	550-162124-19	04/15/21	Stage 2A	Water														X	X				X			
51414H	5501621241	LVW4.75-3-1.2-20210415	550-162124-20	04/15/21	Stage 2A	Water														X	X				X			
51414H	5501621241	LVW4.75-4-1.3-20210415	550-162124-21	04/15/21	Stage 2A	Water														X	X				X			
51414H	5501621241	LVW4.75-5-1.2-20210415	550-162124-22	04/15/21	Stage 2A	Water														X	X				X			
51414H	5501621241	LVW4.2-1-2.0-20210415	550-162124-23	04/15/21	Stage 2A	Water														X	X				X			
51414H	5501621241	LVW4.2-2-2.5-20210415	550-162124-24	04/15/21	Stage 2A	Water														X	X				X			
51414H	5501621241	LVW4.2-3-3.0-20210415	550-162124-25	04/15/21	Stage 2A	Water														X	X				X			
51414H	5501621241	LVW4.2-4-2.1-20210415	550-162124-26	04/15/21	Stage 2A	Water														X	X				X			
51414H	5501621241	LVW3.5-1-1.1-20210415	550-162124-27	04/15/21	Stage 2A	Water														X	X				X			
51414H	5501621241	LVW3.5-2-1.0-20210415	550-162124-28	04/15/21	Stage 2A	Water														X	X				X			
51414H	5501621241	LVW3.5-3-1.7-20210415	550-162124-29	04/15/21	Stage 2A	Water														X	X				X			
51414H	5501621241	LVW3.5-4-1.4-20210415	550-162124-30	04/15/21	Stage 2A	Water														X	X				X			
51414H	5501621241	LVW3.5-5-1.8-20210415	550-162124-31	04/15/21	Stage 2A	Water														X	X				X			
51414H	5501621241	LVW3.5-6-1.8-20210415	550-162124-32	04/15/21	Stage 2A	Water														X	X				X			
51414H	5501621241	LVW0.55-1.2-20210416	550-162124-33	04/16/21	Stage 2A	Water	FD29													X	X				X			
51414H	5501621241	LVW0.55-1.2-20210416-FD	550-162124-34	04/16/21	Stage 2A	Water	FD29													X	X				X			
51414H	5501621241	LVW0.55-20210416-FB	550-162124-35	04/16/21	Stage 2A	Water	FB													X	X				X			
51414I	5501625951	ES-45-20210426	550-162595-1	04/26/21	Stage 2A	Water				X										X	X							
51414I	5501625951	ES-46-20210426	550-162595-2	04/26/21	Stage 2A	Water				X										X	X							
51414I	5501625951	LVWPS-MW102B-20210426	550-162595-3	04/26/21	Stage 2A	Water				X										X	X				X			
51414I	5501625951	LVWPS-MW102B-20210426-EB18	550-162595-4	04/26/21	Stage 2A	Water	EB			X										X	X				X			
51414I	5501625951	PC-136-20210426	550-162595-5	04/26/21	Stage 2A	Water		X	X	X					X					X	X				X			
51414I	5501625951	PC-137-20210426	550-162595-6	04/26/21	Stage 2A	Water		X	X	X					X					X	X				X			
51414I	5501625951	PC-137D-20210426	550-162595-7	04/26/21	Stage 2A	Water		X	X	X					X					X	X				X			
51414I	5501625951	PC-137D-20210426-TB1	550-162595-8	04/26/21	Stage 2A	Water	TB	X	X																			
51414I	5501625951	MW-02(HEND)-20210426	550-162595-9	04/26/21	Stage 2A	Water				X										X	X				X			
51414I	5501625951	MW-25-20210426	550-162595-10	04/26/21	Stage 2A	Water				X										X	X				X			
51414I	5501625951	ES-27-20210426	550-162595-11	04/26/21	Stage 2A	Water				X										X	X							
51414I	5501625951	ES-25A-20210426	550-162595-12	04/26/21	Stage 2A	Water				X										X	X							
51414I	5501625951	ES-25A-20210426-EB20	550-162595-13	04/26/21	Stage 2A	Water	EB			X										X	X							

Table I. Sample Cross-Reference

LDC	SDG	Client Sample ID	Lab ID	Sample Date	Validation Level	Matrix	QC Type	VOC (8260B)	VOC SIM (8260BSIM)	Chromium (200.7)	Metals (200.7)	CrVI (218.6)	CrVI (SM 3500CRB)	Chloride (300.0)	Nitrate as N (300.0)	Nitrite as N (300.0)	Sulfate (300.0)	NO_3/NO_2 as N (Calc)	TIN (Calc)	Chlorate (300.1B)	Perchlorate (314.0)	Ammonia as N (350.1)	TRP (420.4)	Conductivity (2510B)	TDS (2540C)	TOC (5310B)	TOX (9020B)	Field pH
51414I	5501625951	ES-25B-20210426	550-162595-14	04/26/21	Stage 2A	Water				X										X	X							
51414I	5501625951	LVWPS-MW224A-20210426	550-162595-15	04/26/21	Stage 2A	Water				X										X	X				X			
51414I	5501625951	LVWPS-MW224B-20210426	550-162595-16	04/26/21	Stage 2A	Water	FD30			X										X	X				X			
51414I	5501625951	LVWPS-MW224B-20210426-FD18	550-162595-17	04/26/21	Stage 2A	Water	FD30			X										X	X				X			
51414I	5501625951	ES-47-20210426	550-162595-18	04/26/21	Stage 2A	Water	FD31			X										X	X							
51414I	5501625951	ES-47-20210426-FD20	550-162595-19	04/26/21	Stage 2A	Water	FD31			X										X	X							
51414I	5501625951	ES-48-20210426	550-162595-20	04/26/21	Stage 2A	Water				X										X	X							
51414I	5501625951	ES-49-20210426	550-162595-21	04/26/21	Stage 2A	Water				X										X	X							
51414I	5501625951	ES-50-20210426	550-162595-22	04/26/21	Stage 2A	Water				X										X	X							
51414I	5501625951	ES-51-20210426	550-162595-23	04/26/21	Stage 2A	Water				X										X	X							
51414I	5501625951	ES-52-20210426	550-162595-24	04/26/21	Stage 2A	Water				X										X	X							
51414I	5501625951	ES-52-20210426-FB20	550-162595-25	04/26/21	Stage 2A	Water	FB			X										X	X							
51414I	5501625951	LVWPS-MW105-20210426	550-162595-26	04/26/21	Stage 2A	Water	FD32			X										X	X				X			
51414I	5501625951	LVWPS-MW105-20210426-FD19	550-162595-27	04/26/21	Stage 2A	Water	FD32			X										X	X				X			
51414J	5501626911	PC-130-20210427-TB2	550-162691-1	04/27/21	Stage 2A	Water	TB	X	X																			
51414J	5501626911	PC-130-20210427	550-162691-2	04/27/21	Stage 2A	Water		X	X	X					X					X	X				X			
51414J	5501626911	PC-152-20210427	550-162691-3	04/27/21	Stage 2A	Water		X	X	X					X					X	X				X			
51414J	5501626911	M-137-20210427	550-162691-4	04/27/21	Stage 2A	Water		X	X	X					X					X	X				X			
51414J	5501626911	M-137-20210427-TB3	550-162691-5	04/27/21	Stage 2A	Water	TB	X	X																			
51414J	5501626911	M-138-20210427	550-162691-6	04/27/21	Stage 2A	Water		X	X	X					X					X	X				X			
51414J	5501626911	M-144-20210427	550-162691-7	04/27/21	Stage 2A	Water		X	X	X					X					X	X				X			
51414J	5501626911	TR-7-20210427	550-162691-8	04/27/21	Stage 2A	Water		X	X	X					X					X	X				X			
51414J	5501626911	TR-8-20210427	550-162691-9	04/27/21	Stage 2A	Water		X	X	X					X					X	X				X			
51414J	5501626911	PC-67-20210427	550-162691-10	04/27/21	Stage 2A	Water		X	X	X					X					X	X				X			
51414J	5501626911	ES-22A-20210427	550-162691-11	04/27/21	Stage 2A	Water				X										X	X							
51414J	5501626911	ES-22B-20210427	550-162691-12	04/27/21	Stage 2A	Water				X										X	X							
51414J	5501626911	ES-21A-20210427	550-162691-13	04/27/21	Stage 2A	Water				X										X	X							
51414J	5501626911	LVWPS-MW102A-20210427	550-162691-14	04/27/21	Stage 2A	Water				X										X	X				X			
51414J	5501626911	LVWPS-MW102A-20210427-FB19	550-162691-15	04/27/21	Stage 2A	Water	FB			X										X	X				X			
51414J	5501626911	ES-23A-20210427	550-162691-16	04/27/21	Stage 2A	Water				X										X	X							
51414J	5501626911	ES-23B-20210427	550-162691-17	04/27/21	Stage 2A	Water				X										X	X							
51414J	5501626911	ES-24-20210427	550-162691-18	04/27/21	Stage 2A	Water				X										X	X							

Table I. Sample Cross-Reference

LDC	SDG	Client Sample ID	Lab ID	Sample Date	Validation Level	Matrix	QC Type	VOC (8260B)	VOC SIM (8260BSIM)	Chromium (200.7)	Metals (200.7)	CrVI (218.6)	CrVI (SM 3500CRB)	Chloride (300.0)	Nitrate as N (300.0)	Nitrite as N (300.0)	Sulfate (300.0)	NO_3/NO_2 as N (Calc)	TIN (Calc)	Chlorate (300.1B)	Perchlorate (314.0)	Ammonia as N (350.1)	TRP (420.4)	Conductivity (2510B)	TDS (2540C)	TOC (5310B)	TOX (9020B)	Field pH
51414J	5501626911	ES-21B-20210427	550-162691-19	04/27/21	Stage 2A	Water				X										X	X							
51414J	5501626911	ES-18-20210427	550-162691-20	04/27/21	Stage 2A	Water	FD33													X	X							
51414J	5501626911	ES-18-20210427-FD21	550-162691-21	04/27/21	Stage 2A	Water	FD33													X	X							
51414J	5501626911	ES-16-20210427	550-162691-22	04/27/21	Stage 2A	Water														X	X							
51414J	5501626911	ES-14A-20210427	550-162691-23	04/27/21	Stage 2A	Water														X	X							
51414J	5501626911	ES-14B-20210427	550-162691-24	04/27/21	Stage 2A	Water														X	X							
51414J	5501626911	PC-195-20210427	550-162691-25	04/27/21	Stage 2A	Water		X	X	X					X					X	X				X			
51414J	5501626911	ES-17-20210427	550-162691-26	04/27/21	Stage 2A	Water														X	X							
51414J	5501626911	ES-8B-20210427	550-162691-27	04/27/21	Stage 2A	Water														X	X							
51414J	5501626911	HM-2-20210427	550-162691-28	04/27/21	Stage 2A	Water				X										X	X				X			
51414J	5501626911	DBMW-13-20210427	550-162691-29	04/27/21	Stage 2A	Water														X	X							
51414J	5501626911	DBMW-14-20210427	550-162691-30	04/27/21	Stage 2A	Water														X	X							
51414J	5501626911	DBMW-14-20210427-EB21	550-162691-31	04/27/21	Stage 2A	Water	EB													X	X							
51414J	5501626911	ES-15-20210427	550-162691-32	04/27/21	Stage 2A	Water														X	X							
51414J	5501626911	PC-64-20210427	550-162691-33	04/27/21	Stage 2A	Water		X	X	X					X					X	X				X			
51414J	5501626911	DBMW-9-20210427	550-162691-34	04/27/21	Stage 2A	Water														X	X							
51414J	5501626911	DBMW-11-20210427	550-162691-35	04/27/21	Stage 2A	Water														X	X							
51414K	5501627751	MW-4-20210428	550-162775-1	04/28/21	Stage 2A	Water				X										X	X				X			
51414K	5501627751	MW-3-20210428	550-162775-2	04/28/21	Stage 2A	Water				X										X	X				X			
51414K	5501627751	MW-20-20210428	550-162775-3	04/28/21	Stage 2A	Water				X										X	X				X			
51414K	5501627751	MW-20-20210428-EB19	550-162775-4	04/28/21	Stage 2A	Water	EB			X										X	X				X			
51414K	5501627751	M-191-20210428	550-162775-5	04/28/21	Stage 2A	Water		X	X	X					X					X	X				X			
51414K	5501627751	M-191-20210428-TB4	550-162775-6	04/28/21	Stage 2A	Water	TB	X	X																			
51414K	5501627751	M-13-20210428	550-162775-7	04/28/21	Stage 2A	Water		X	X	X					X					X	X				X			
51414K	5501627751	M-12A-20210428	550-162775-8	04/28/21	Stage 2A	Water		X	X	X		X			X					X	X				X			
51414K	5501627751	M-189-20210428	550-162775-9	04/28/21	Stage 2A	Water		X	X	X					X					X	X				X			
51414K	5501627751	MW-K5-20210428	550-162775-10	04/28/21	Stage 2A	Water		X	X	X					X					X	X				X			
51414K	5501627751	PC-98R-20210428	550-162775-11	04/28/21	Stage 2A	Water		X	X	X					X					X	X				X			
51414K	5501627751	ES-8A-20210428	550-162775-12	04/28/21	Stage 2A	Water														X	X							
51414K	5501627751	MC-65R2-20210428	550-162775-13	04/28/21	Stage 2A	Water		X	X	X					X					X	X				X			
51414K	5501627751	MC-MW-37R2-20210428	550-162775-14	04/28/21	Stage 2A	Water		X	X	X					X					X	X				X			
51414K	5501627751	TR-12-20210428	550-162775-15	04/28/21	Stage 2A	Water		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	VOC (8260B)	VOC SIM (8260BSIM)	Chromium (200.7)	Metals (200.7)	CrVI (218.6)	CrVI (SM 3500CRB)	Chloride (300.0)	Nitrate as N (300.0)	Nitrite as N (300.0)	Sulfate (300.0)	NO_3/NO_2 as N (Calc)	TIN (Calc)	Chlorate (300.1B)	Perchlorate (314.0)	Ammonia as N (350.1)	TRP (420.4)	Conductivity (2510B)	TDS (2540C)	TOC (5310B)	TOX (9020B)	Field pH
51414K	5501627751	H-58R-20210428	550-162775-16	04/28/21	Stage 2A	Water		X	X	X					X					X	X				X			
51414K	5501627751	PC-2-20210428	550-162775-17	04/28/21	Stage 2A	Water		X	X	X					X					X	X				X			
51414K	5501627751	PC-191-20210428	550-162775-18	04/28/21	Stage 2A	Water	FD34	X	X	X					X					X	X				X			
51414K	5501627751	PC-191-20210428-FD5	550-162775-19	04/28/21	Stage 2A	Water	FD34	X	X	X					X					X	X				X			
51414K	5501627751	PC-53-20210428	550-162775-21	04/28/21	Stage 2A	Water		X	X	X					X					X	X				X			
51414K	5501627751	ES-11-20210428	550-162775-22	04/28/21	Stage 2A	Water														X	X							
51414K	5501627751	ES-10-20210428	550-162775-23	04/28/21	Stage 2A	Water														X	X							
51414K	5501627751	PC-71-20210428	550-162775-24	04/28/21	Stage 2A	Water		X	X	X					X					X	X				X			
51414K	5501627751	PC-71-20210428-TB5	550-162775-25	04/28/21	Stage 2A	Water	TB	X	X																			
51414K	5501627751	PC-72-20210428	550-162775-26	04/28/21	Stage 2A	Water		X	X	X					X					X	X				X			
51414K	5501627751	H-56R-20210428	550-162775-27	04/28/21	Stage 2A	Water		X	X	X					X					X	X				X			
51414K	5501627751	H-56R-20210428-FB5	550-162775-28	04/28/21	Stage 2A	Water	FB	X	X	X					X					X	X				X			
51414K	5501627751	MC-97-20210428	550-162775-29	04/28/21	Stage 2A	Water		X	X						X					X	X				X			
51414K	5501627751	PC-188-20210428	550-162775-30	04/28/21	Stage 2A	Water		X	X	X					X					X	X				X			
51414K	5501627751	PC-189-20210428	550-162775-31	04/28/21	Stage 2A	Water		X	X	X					X					X	X				X			
51414K	5501627751	M-48A-20210428	550-162775-32	04/28/21	Stage 2A	Water		X	X	X					X					X	X				X			
51414K	5501627751	PC-189-20210428-TB6	550-162775-33	04/28/21	Stage 2A	Water	TB	X	X																			
51414K	5501627751	M-48A-20210428-EB6	550-162775-34	04/28/21	Stage 2A	Water	EB	X	X	X					X					X	X				X			
51414K	5501627751	TR-11-20210428	550-162775-35	04/28/21	Stage 2A	Water		X	X	X					X					X	X				X			
51414L	5501628641	M-156-20210429	550-162864-1	04/29/21	Stage 2A	Water		X	X	X					X					X	X				X			
51414L	5501628641	M-156-20210429-TB7	550-162864-2	04/29/21	Stage 2A	Water	TB	X	X																			
51414L	5501628641	M-152-20210429	550-162864-3	04/29/21	Stage 2A	Water		X	X	X					X					X	X				X			
51414L	5501628641	M-44-20210429	550-162864-4	04/29/21	Stage 2A	Water		X	X	X		X			X					X	X				X			
51414L	5501628641	M-44-20210429-FB6	550-162864-5	04/29/21	Stage 2A	Water	FB	X	X	X					X					X	X				X			
51414L	5501628641	M-192-20210429	550-162864-6	04/29/21	Stage 2A	Water		X	X	X					X					X	X				X			
51414L	5501628641	M-190-20210429	550-162864-7	04/29/21	Stage 2A	Water		X	X	X					X					X	X				X			
51414L	5501628641	M-193-20210429	550-162864-8	04/29/21	Stage 2A	Water		X	X	X					X					X	X				X			
51414L	5501628641	M-139-20210429	550-162864-9	04/29/21	Stage 2A	Water		X	X	X					X					X	X				X			
51414L	5501628641	M-52-20210429	550-162864-10	04/29/21	Stage 2A	Water		X	X	X					X					X	X				X			
51414L	5501628641	PC-103-20210429	550-162864-11	04/29/21	Stage 2A	Water		X	X	X					X					X	X				X			
51414L	5501628641	MC-50-20210429	550-162864-12	04/29/21	Stage 2A	Water		X	X						X					X	X				X			
51414L	5501628641	M-264-20210429	550-162864-13	04/29/21	Stage 2A	Water		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	VOC (8260B)	VOC SIM (8260BSIM)	Chromium (200.7)	Metals (200.7)	CrVI (218.6)	CrVI (SM 3500CRB)	Chloride (300.0)	Nitrate as N (300.0)	Nitrite as N (300.0)	Sulfate (300.0)	NO_3/NO_2 as N (Calc)	TIN (Calc)	Chlorate (300.1B)	Perchlorate (314.0)	Ammonia as N (350.1)	TRP (420.4)	Conductivity (2510B)	TDS (2540C)	TOC (5310B)	TOX (9020B)	Field pH
51414L	5501628641	M-263-20210429	550-162864-14	04/29/21	Stage 2A	Water		X	X	X					X					X	X				X			
51414L	5501628641	M-263-20210429-EB7	550-162864-15	04/29/21	Stage 2A	Water	EB	X	X	X					X					X	X				X			
51414L	5501628641	M-161-20210429	550-162864-16	04/29/21	Stage 2A	Water		X	X	X					X					X	X				X			
51414L	5501628641	M-5A-20210429	550-162864-17	04/29/21	Stage 2A	Water		X	X		X				X		X			X	X		X	X	X	X	X	
51414L	5501628641	MC-51-20210429	550-162864-18	04/29/21	Stage 2A	Water		X	X						X					X	X				X			
51414L	5501628641	MC-53-20210429	550-162864-19	04/29/21	Stage 2A	Water		X	X	X					X					X	X				X			
51414L	5501628641	MC-53-20210429-FB7	550-162864-20	04/29/21	Stage 2A	Water	FB	X	X	X					X					X	X				X			
51414L	5501628641	PC-196-20210429	550-162864-21	04/29/21	Stage 2A	Water		X	X	X					X					X	X				X			
51414L	5501628641	PC-197-20210429	550-162864-22	04/29/21	Stage 2A	Water		X	X	X					X					X	X				X			
51414L	5501628641	PC-197-20210429-EB5	550-162864-23	04/29/21	Stage 2A	Water	EB	X	X	X					X					X	X				X			
51414L	5501628641	M-213-20210429	550-162864-24	04/29/21	Stage 2A	Water		X	X	X					X					X	X				X			
51414L	5501628641	M-212-20210429	550-162864-25	04/29/21	Stage 2A	Water	FD35	X	X	X					X					X	X				X			
51414L	5501628641	M-212-20210429-FD7	550-162864-26	04/29/21	Stage 2A	Water	FD35	X	X	X					X					X	X				X			
51414L	5501628641	M-211-20210429	550-162864-27	04/29/21	Stage 2A	Water		X	X	X					X					X	X				X			
51414L	5501628641	M-211-20210429-TB11	550-162864-28	04/29/21	Stage 2A	Water	TB	X	X																			
51414L	5501628641	M-23-20210429	550-162864-29	04/29/21	Stage 2A	Water	FD36	X	X	X					X					X	X				X			
51414L	5501628641	M-23-20210429-FD6	550-162864-30	04/29/21	Stage 2A	Water	FD36	X	X	X					X					X	X				X			
51414L	5501628641	MC-93-20210429	550-162864-31	04/29/21	Stage 2A	Water		X	X						X					X	X				X			
51414L	5501628641	MW-16(NERT)-20210429	550-162864-32	04/29/21	Stage 2A	Water		X	X	X					X					X	X				X			
51414L	5501628641	M-126-20210429	550-162864-33	04/29/21	Stage 2A	Water		X	X	X					X					X	X				X			
51414L	5501628641	M-69-20210429	550-162864-34	04/29/21	Stage 2A	Water		X	X	X					X					X	X				X			
51414L	5501628641	M-6A-20210429	550-162864-35	04/29/21	Stage 2A	Water		X	X		X				X		X			X	X		X	X	X	X	X	
51414L	5501628641	M-7B-20210429	550-162864-36	04/29/21	Stage 2A	Water		X	X		X				X		X			X	X		X	X	X	X	X	
51414L	5501628641	ES-19-20210429	550-162864-37	04/29/21	Stage 2A	Water														X	X							
51414L	5501628641	ES-19-20210429-FB21	550-162864-38	04/29/21	Stage 2A	Water	FB													X	X							
51414L	5501628641	TR-2-20210429	550-162864-39	04/29/21	Stage 2A	Water		X	X	X					X					X	X				X			
51414L	5501628641	TR-2-20210429-TB8	550-162864-40	04/29/21	Stage 2A	Water	TB	X	X																			
51414L	5501628641	M-210-20210429	550-162864-41	04/29/21	Stage 2A	Water		X	X	X					X					X	X				X			
51414L	5501628641	M-209-20210429	550-162864-42	04/29/21	Stage 2A	Water		X	X	X					X					X	X				X			
51414L	5501628641	M-208-20210429	550-162864-43	04/29/21	Stage 2A	Water		X	X	X					X					X	X				X			
51414L	5501628641	M-154-20210429	550-162864-44	04/29/21	Stage 2A	Water		X	X	X					X					X	X				X			
51414L	5501628641	M-266-20210429	550-162864-45	04/29/21	Stage 2A	Water		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	VOC (8260B)	VOC SIM (8260BSIM)	Chromium (200.7)	Metals (200.7)	CrVI (218.6)	CrVI (SM 3500CRB)	Chloride (300.0)	Nitrate as N (300.0)	Nitrite as N (300.0)	Sulfate (300.0)	NO_3/NO_2 as N (Calc)	TIN (Calc)	Chlorate (300.1B)	Perchlorate (314.0)	Ammonia as N (350.1)	TRP (420.4)	Conductivity (2510B)	TDS (2540C)	TOC (5310B)	TOX (9020B)	Field pH
51414L	5501628641	M-265-20210429	550-162864-46	04/29/21	Stage 2A	Water		X	X	X					X					X	X				X			
51414L	5501628641	M-266-20210429-TB9	550-162864-47	04/29/21	Stage 2A	Water	TB	X	X																			
51414M	5501629241	TR-1-20210430	550-162924-1	04/30/21	Stage 2A	Water		X	X	X					X					X	X				X			
51414M	5501629241	M-159-20210430	550-162924-2	04/30/21	Stage 2A	Water		X	X	X					X					X	X				X			
51414M	5501629241	M-160-20210430	550-162924-3	04/30/21	Stage 2A	Water	FD37	X	X	X					X					X	X				X			
51414M	5501629241	M-160-20210430-FD12	550-162924-4	04/30/21	Stage 2A	Water	FD37	X	X	X					X					X	X				X			
51414M	5501629241	M-134-20210430	550-162924-5	04/30/21	Stage 2A	Water		X	X	X					X					X	X				X			
51414M	5501629241	M-136-20210430	550-162924-6	04/30/21	Stage 2A	Water		X	X	X					X					X	X				X			
51414M	5501629241	M-141-20210430	550-162924-7	04/30/21	Stage 2A	Water		X	X	X					X					X	X				X			
51414M	5501629241	M-77R-20210430	550-162924-8	04/30/21	Stage 2A	Water		X	X	X					X					X	X				X			
51414M	5501629241	M-11-20210430-FB4	550-162924-9	04/30/21	Stage 2A	Water	FB	X	X	X			X		X					X	X				X			
51414M	5501629241	M-11-20210430	550-162924-10	04/30/21	Stage 2A	Water		X	X	X			X		X					X	X				X			
51414M	5501629241	M-129-20210430	550-162924-11	04/30/21	Stage 2A	Water		X	X	X					X					X	X				X			
51414M	5501629241	M-162D-20210430	550-162924-12	04/30/21	Stage 2A	Water		X	X	X					X					X	X				X			
51414M	5501629241	M-163-20210430	550-162924-13	04/30/21	Stage 2A	Water		X	X	X					X					X	X				X			
51414M	5501629241	M-163-20210430-EB8	550-162924-14	04/30/21	Stage 2A	Water	EB	X	X	X					X					X	X				X			
51414M	5501629241	M-162-20210430	550-162924-15	04/30/21	Stage 2A	Water		X	X	X					X					X	X				X			
51414M	5501629241	M-65-20210430	550-162924-16	04/30/21	Stage 2A	Water		X	X	X					X					X	X				X			
51414M	5501629241	M-161D-20210430	550-162924-17	04/30/21	Stage 2A	Water		X	X	X					X					X	X				X			
51414M	5501629241	TR-3-20210430	550-162924-18	04/30/21	Stage 2A	Water		X	X	X					X					X	X				X			
51414M	5501629241	TR-3-20210430-TB10	550-162924-19	04/30/21	Stage 2A	Water	TB	X	X																			
51414M	5501629241	M-72-20210430	550-162924-20	04/30/21	Stage 2A	Water		X	X	X					X					X	X				X			
51414M	5501629241	M-66-20210430	550-162924-21	04/30/21	Stage 2A	Water	FD38	X	X	X					X					X	X				X			
51414M	5501629241	M-66-20210430-FD8	550-162924-22	04/30/21	Stage 2A	Water	FD38	X	X	X					X					X	X				X			
51414M	5501629241	M-22A-20210430	550-162924-23	04/30/21	Stage 2A	Water		X	X	X					X					X	X				X			
51414M	5501629241	M-207-20210430	550-162924-24	04/30/21	Stage 2A	Water		X	X	X					X					X	X				X			
51414M	5501629241	M-207-20210430-FB8	550-162924-25	04/30/21	Stage 2A	Water	FB	X	X	X					X					X	X				X			
51414M	5501629241	M-206-20210430	550-162924-26	04/30/21	Stage 2A	Water		X	X	X					X					X	X				X			
51414M	5501629241	M-260-20210430	550-162924-27	04/30/21	Stage 2A	Water		X	X	X					X					X	X				X			
51414M	5501629241	M-204-20210430	550-162924-28	04/30/21	Stage 2A	Water		X	X	X					X					X	X				X			
51414M	5501629241	TR-4-20210430	550-162924-29	04/30/21	Stage 2A	Water		X	X	X					X					X	X				X			
51414M	5501629241	M-125-20210430	550-162924-30	04/30/21	Stage 2A	Water		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	VOC (8260B)	VOC SIM (8260BSIM)	Chromium (200.7)	Metals (200.7)	CrVI (218.6)	CrVI (SM 3500CRB)	Chloride (300.0)	Nitrate as N (300.0)	Nitrite as N (300.0)	Sulfate (300.0)	NO_3/NO_2 as N (Calc)	TIN (Calc)	Chlorate (300.1B)	Perchlorate (314.0)	Ammonia as N (350.1)	TRP (420.4)	Conductivity (2510B)	TDS (2540C)	TOC (5310B)	TOX (9020B)	Field pH
51414M	5501629241	M-261-20210430	550-162924-31	04/30/21	Stage 2A	Water		X	X	X					X					X	X				X			
51414M	5501629241	M-262-20210430	550-162924-32	04/30/21	Stage 2A	Water		X	X	X					X					X	X				X			
51414M	5501629241	M-57A-20210430	550-162924-33	04/30/21	Stage 2A	Water		X	X	X					X					X	X				X			
51414M	5501629241	M-79-20210430	550-162924-34	04/30/21	Stage 2A	Water		X	X	X					X					X	X				X			
51414M	5501629241	M-79-20210430-TB12	550-162924-35	04/30/21	Stage 2A	Water	TB	X	X																			
51414M	5501629241	M-70-20210430	550-162924-36	04/30/21	Stage 2A	Water		X	X	X					X					X	X				X			
51414M	5501629241	M-140-20210430	550-162924-37	04/30/21	Stage 2A	Water		X	X	X					X					X	X				X			
51414M	5501629241	UFMW-01D-20210430	550-162924-38	04/30/21	Stage 2A	Water		X	X	X					X					X	X				X			
51532A	5501630371	NERT3.60N1-20210503	550-163037-1	05/03/21	Stage 2A	Water				X										X	X				X			
51532A	5501630371	NERT4.38N1-20210503	550-163037-2	05/03/21	Stage 2A	Water				X										X	X				X			
51532A	5501630371	NERT4.64N1-20210503	550-163037-3	05/03/21	Stage 2A	Water				X										X	X				X			
51532A	5501630371	NERT4.65N1-20210503	550-163037-4	05/03/21	Stage 2A	Water				X										X	X				X			
51532A	5501630371	UFMW-04D-20210503	550-163037-5	05/03/21	Stage 2A	Water		X	X	X					X					X	X				X			
51532A	5501630371	UFMW-04D-20210503-TB13	550-163037-6	05/03/21	Stage 2A	Water	TB	X	X																			
51532A	5501630371	UFMW-05D-20210503	550-163037-7	05/03/21	Stage 2A	Water		X	X	X					X					X	X				X			
51532A	5501630371	UFMW-06D-20210503	550-163037-8	05/03/21	Stage 2A	Water		X	X	X					X					X	X				X			
51532A	5501630371	M-97-20210503	550-163037-9	05/03/21	Stage 2A	Water		X	X	X					X					X	X				X			
51532A	5501630371	M-38-20210503	550-163037-10	05/03/21	Stage 2A	Water		X	X	X		X			X					X	X				X			
51532A	5501630371	M-38-20210503-TB15	550-163037-11	05/03/21	Stage 2A	Water	TB	X	X																			
51532A	5501630371	UFMW-02D-20210503	550-163037-12	05/03/21	Stage 2A	Water		X	X	X					X					X	X				X			
51532A	5501630371	UFMW-02D-20210503-EB9	550-163037-13	05/03/21	Stage 2A	Water	EB	X	X	X					X					X	X				X			
51532A	5501630371	UFMW-03D-20210503	550-163037-14	05/03/21	Stage 2A	Water		X	X	X					X					X	X				X			
51532A	5501630371	TR-5-20210503	550-163037-15	05/03/21	Stage 2A	Water	FD39	X	X	X					X					X	X				X			
51532A	5501630371	TR-5-20210503-FD10	550-163037-16	05/03/21	Stage 2A	Water	FD39	X	X	X					X					X	X				X			
51532A	5501630371	TR-6-20210503	550-163037-17	05/03/21	Stage 2A	Water		X	X	X					X					X	X				X			
51532A	5501630371	M-118-20210503-FB10	550-163037-18	05/03/21	Stage 2A	Water	FB	X	X	X					X					X	X				X			
51532A	5501630371	M-118-20210503	550-163037-19	05/03/21	Stage 2A	Water		X	X	X					X					X	X				X			
51532A	5501630371	NERT3.58N1-20210503	550-163037-20	05/03/21	Stage 2A	Water				X										X	X				X			
51532A	5501630371	NERT3.58N1-20210503-FB19	550-163037-21	05/03/21	Stage 2A	Water	FB			X										X	X				X			
51532A	5501630371	NERT4.21N1-20210503	550-163037-22	05/03/21	Stage 2A	Water				X										X	X				X			
51532A	5501630371	NERT4.70N1-20210503	550-163037-23	05/03/21	Stage 2A	Water				X										X	X				X			
51532A	5501630371	NERT4.71N1-20210503	550-163037-24	05/03/21	Stage 2A	Water				X										X	X				X			

Table I. Sample Cross-Reference

LDC	SDG	Client Sample ID	Lab ID	Sample Date	Validation Level	Matrix	QC Type	VOC (8260B)	VOC SIM (8260BSIM)	Chromium (200.7)	Metals (200.7)	CrVI (218.6)	CrVI (SM 3500CRB)	Chloride (300.0)	Nitrate as N (300.0)	Nitrite as N (300.0)	Sulfate (300.0)	NO_3/NO_2 as N (Calc)	TIN (Calc)	Chlorate (300.1B)	Perchlorate (314.0)	Ammonia as N (350.1)	TRP (420.4)	Conductivity (2510B)	TDS (2540C)	TOC (5310B)	TOX (9020B)	Field pH
51532A	5501630371	ES-26-20210503	550-163037-25	05/03/21	Stage 2A	Water				X										X	X							
51532A	5501630371	M-64-20210503	550-163037-26	05/03/21	Stage 2A	Water		X	X	X					X					X	X				X			
51532A	5501630371	M-150-20210503	550-163037-27	05/03/21	Stage 2A	Water	FD40	X	X	X					X					X	X				X			
51532A	5501630371	M-150-20210503-FD9	550-163037-28	05/03/21	Stage 2A	Water	FD40	X	X	X					X					X	X				X			
51532A	5501630371	DFW-03-20210503	550-163037-29	05/03/21	Stage 2A	Water		X	X	X					X					X	X				X			
51532A	5501630371	DFW-03-20210503-TB14	550-163037-30	05/03/21	Stage 2A	Water	TB	X	X																			
51532A	5501630371	DFW-04-20210503	550-163037-31	05/03/21	Stage 2A	Water		X	X	X					X					X	X				X			
51532A	5501630371	DFW-05-20210503	550-163037-32	05/03/21	Stage 2A	Water		X	X	X					X					X	X				X			
51532B	5501631851	NERT3.35S1-20210504	550-163185-1	05/04/21	Stage 2A	Water				X										X	X				X			
51532B	5501631851	NERT3.40S1-20210504	550-163185-2	05/04/21	Stage 2A	Water				X										X	X				X			
51532B	5501631851	NERT3.63S1-20210504	550-163185-3	05/04/21	Stage 2A	Water				X										X	X				X			
51532B	5501631851	NERT3.80S1-20210504	550-163185-4	05/04/21	Stage 2A	Water				X										X	X				X			
51532B	5501631851	M-103R-20210504	550-163185-5	05/04/21	Stage 2A	Water		X	X	X					X					X	X				X			
51532B	5501631851	M-117-20210504	550-163185-6	05/04/21	Stage 2A	Water		X	X	X					X					X	X				X			
51532B	5501631851	M-120-20210504	550-163185-7	05/04/21	Stage 2A	Water		X	X	X					X					X	X				X			
51532B	5501631851	M-121-20210504	550-163185-8	05/04/21	Stage 2A	Water	FD41	X	X	X					X					X	X				X			
51532B	5501631851	M-121-20210504-FD11	550-163185-9	05/04/21	Stage 2A	Water	FD41	X	X	X					X					X	X				X			
51532B	5501631851	M-37-20210504	550-163185-10	05/04/21	Stage 2A	Water		X	X	X		X			X					X	X				X			
51532B	5501631851	M-37-20210504-EB4	550-163185-11	05/04/21	Stage 2A	Water	EB	X	X	X		X			X					X	X				X			
51532B	5501631851	NERT3.58S1-20210504	550-163185-12	05/04/21	Stage 2A	Water				X										X	X				X			
51532B	5501631851	NERT3.60S1-20210504	550-163185-13	05/04/21	Stage 2A	Water				X										X	X				X			
51532B	5501631851	NERT4.51S1-20210504	550-163185-14	05/04/21	Stage 2A	Water				X										X	X				X			
51532B	5501631851	TR-9-20210504	550-163185-15	05/04/21	Stage 2A	Water		X	X	X					X					X	X				X			
51532B	5501631851	TR-9-20210504-TB18	550-163185-16	05/04/21	Stage 2A	Water	TB	X	X																			
51532B	5501631851	TR-10-20210504	550-163185-17	05/04/21	Stage 2A	Water		X	X	X					X					X	X				X			
51532B	5501631851	PC-21A-20210504	550-163185-18	05/04/21	Stage 2A	Water		X	X	X					X					X	X				X			
51532B	5501631851	PC-54-20210504	550-163185-19	05/04/21	Stage 2A	Water		X	X	X					X					X	X				X			
51532B	5501631851	PC-107-20210504	550-163185-20	05/04/21	Stage 2A	Water		X	X						X					X	X				X			
51532B	5501631851	NERT4.71S1-20210504	550-163185-21	05/04/21	Stage 2A	Water				X										X	X				X			
51532B	5501631851	NERT4.71S2-20210504	550-163185-22	05/04/21	Stage 2A	Water				X										X	X				X			
51532B	5501631851	DBMW-4-20210504	550-163185-23	05/04/21	Stage 2A	Water														X	X							
51532B	5501631851	DBMW-4-20210504-EB22	550-163185-24	05/04/21	Stage 2A	Water	EB													X	X							

Table I. Sample Cross-Reference

LDC	SDG	Client Sample ID	Lab ID	Sample Date	Validation Level	Matrix	QC Type	VOC (8260B)	VOC SIM (8260BSIM)	Chromium (200.7)	Metals (200.7)	CrVI (218.6)	CrVI (SM 3500CRB)	Chloride (300.0)	Nitrate as N (300.0)	Nitrite as N (300.0)	Sulfate (300.0)	NO_3/NO_2 as N (Calc)	TIN (Calc)	Chlorate (300.1B)	Perchlorate (314.0)	Ammonia as N (350.1)	TRP (420.4)	Conductivity (2510B)	TDS (2540C)	TOC (5310B)	TOX (9020B)	Field pH
51532B	5501631851	ES-9-20210504	550-163185-25	05/04/21	Stage 2A	Water														X	X							
51532B	5501631851	PC-77-20210504	550-163185-26	05/04/21	Stage 2A	Water		X	X						X					X	X				X			
51532B	5501631851	M-31A-20210504	550-163185-27	05/04/21	Stage 2A	Water	FD42	X	X	X					X					X	X				X			
51532B	5501631851	M-31A-20210504-FD13	550-163185-28	05/04/21	Stage 2A	Water	FD42	X	X	X					X					X	X				X			
51532B	5501631851	M-32-20210504	550-163185-29	05/04/21	Stage 2A	Water		X	X	X					X					X	X				X			
51532B	5501631851	M-33-20210504	550-163185-30	05/04/21	Stage 2A	Water		X	X	X					X					X	X				X			
51532B	5501631851	M-33-20210504-TB17	550-163185-31	05/04/21	Stage 2A	Water	TB	X	X																			
51532C	5501632681	M-19-20210505	550-163268-1	05/05/21	Stage 2A	Water		X	X	X					X					X	X				X			
51532C	5501632681	M-19-20210505-TB19	550-163268-2	05/05/21	Stage 2A	Water	TB	X	X																			
51532C	5501632681	M-181-20210505	550-163268-3	05/05/21	Stage 2A	Water		X	X	X					X					X	X				X			
51532C	5501632681	M-182-20210505	550-163268-4	05/05/21	Stage 2A	Water		X	X	X					X					X	X				X			
51532C	5501632681	M-133-20210505	550-163268-5	05/05/21	Stage 2A	Water		X	X	X					X					X	X				X			
51532C	5501632681	M-133-20210505-TB20	550-163268-6	05/05/21	Stage 2A	Water	TB	X	X																			
51532C	5501632681	M-165-20210505	550-163268-7	05/05/21	Stage 2A	Water		X	X	X					X					X	X				X			
51532C	5501632681	M-165-20210505-EB13	550-163268-8	05/05/21	Stage 2A	Water	EB	X	X	X					X					X	X				X			
51532C	5501632681	M-2A-20210505	550-163268-9	05/05/21	Stage 2A	Water		X	X	X					X					X	X				X			
51532C	5501632681	M-186-20210505	550-163268-10	05/05/21	Stage 2A	Water		X	X	X					X					X	X				X			
51532C	5501632681	LVWPS-MW201A-20210505	550-163268-11	05/05/21	Stage 2A	Water				X										X	X				X			
51532C	5501632681	LVWPS-MW201B-20210505	550-163268-12	05/05/21	Stage 2A	Water				X										X	X				X			
51532C	5501632681	MW-13-20210505	550-163268-13	05/05/21	Stage 2A	Water				X										X	X				X			
51532C	5501632681	M-14A-20210505	550-163268-14	05/05/21	Stage 2A	Water		X	X	X					X					X	X				X			
51532C	5501632681	M-14A-20210505-FB9	550-163268-15	05/05/21	Stage 2A	Water	FB	X	X	X					X					X	X				X			
51532C	5501632681	MC-6-20210505	550-163268-16	05/05/21	Stage 2A	Water		X	X						X					X	X				X			
51532C	5501632681	MC-7-20210505	550-163268-17	05/05/21	Stage 2A	Water	FD43	X	X						X					X	X				X			
51532C	5501632681	MC-7-20210505-FD17	550-163268-18	05/05/21	Stage 2A	Water	FD43	X	X						X					X	X				X			
51532C	5501632681	MC-69-20210505	550-163268-19	05/05/21	Stage 2A	Water		X	X						X					X	X				X			
51532C	5501632681	MC-3-20210505	550-163268-20	05/05/21	Stage 2A	Water		X	X						X					X	X				X			
51532C	5501632681	M-95-20210505	550-163268-21	05/05/21	Stage 2A	Water		X	X	X		X			X					X	X				X			
51532C	5501632681	NERT4.93S1-20210505	550-163268-22	05/05/21	Stage 2A	Water				X										X	X				X			
51532C	5501632681	M-25-20210505	550-163268-23	05/05/21	Stage 2A	Water	FD44	X	X	X					X					X	X				X			
51532C	5501632681	M-25-20210505-FD15	550-163268-24	05/05/21	Stage 2A	Water	FD44	X	X	X					X					X	X				X			
51532C	5501632681	M-71-20210505	550-163268-25	05/05/21	Stage 2A	Water		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	VOC (8260B)	VOC SIM (8260BSIM)	Chromium (200.7)	Metals (200.7)	CrVI (218.6)	CrVI (SM 3500CRB)	Chloride (300.0)	Nitrate as N (300.0)	Nitrite as N (300.0)	Sulfate (300.0)	NO_3/NO_2 as N (Calc)	TIN (Calc)	Chlorate (300.1B)	Perchlorate (314.0)	Ammonia as N (350.1)	TRP (420.4)	Conductivity (2510B)	TDS (2540C)	TOC (5310B)	TOX (9020B)	Field pH
51532C	5501632681	M-71-20210505-TB21	550-163268-26	05/05/21	Stage 2A	Water	TB	X	X																			
51532C	5501632681	M-164-20210505	550-163268-27	05/05/21	Stage 2A	Water		X	X	X					X					X	X				X			
51532C	5501632681	NERT3.98S1-20210505	550-163268-28	05/05/21	Stage 2A	Water				X										X	X				X			
51532C	5501632681	M-123-20210505	550-163268-29	05/05/21	Stage 2A	Water		X	X	X					X					X	X				X			
51532C	5501632681	M-124-20210505	550-163268-30	05/05/21	Stage 2A	Water		X	X	X					X					X	X				X			
51532C	5501632681	M-93-20210505	550-163268-31	05/05/21	Stage 2A	Water		X	X	X					X					X	X				X			
51532C	5501632681	M-92-20210505	550-163268-32	05/05/21	Stage 2A	Water		X	X	X					X					X	X				X			
51532C	5501632681	M-92-20210505-FB13	550-163268-33	05/05/21	Stage 2A	Water	FB	X	X	X					X					X	X				X			
51532C	5501632681	DFW-06-20210505	550-163268-34	05/05/21	Stage 2A	Water		X	X	X					X					X	X				X			
51532C	5501632681	PC-74-20210505	550-163268-35	05/05/21	Stage 2A	Water		X	X						X					X	X				X			
51532C	5501632681	PC-74-20210505-FB17	550-163268-36	05/05/21	Stage 2A	Water	FB	X	X						X					X	X				X			
51532C	5501632681	NERT4.64S1-20210505	550-163268-37	05/05/21	Stage 2A	Water				X										X	X				X			
51532C	5501632681	NERT5.11S1-20210505	550-163268-38	05/05/21	Stage 2A	Water				X										X	X				X			
51532D	5501633751	M-149-20210506	550-163375-1	05/06/21	Stage 2A	Water		X	X	X					X					X	X				X			
51532D	5501633751	M-149-20210506-TB16	550-163375-2	05/06/21	Stage 2A	Water	TB	X	X																			
51532D	5501633751	M-153-20210506	550-163375-3	05/06/21	Stage 2A	Water		X	X	X					X					X	X				X			
51532D	5501633751	PC-79-20210506	550-163375-4	05/06/21	Stage 2A	Water		X	X	X					X					X	X				X			
51532D	5501633751	PC-79-20210506-EB11	550-163375-5	05/06/21	Stage 2A	Water	EB	X	X	X					X					X	X				X			
51532D	5501633751	ES-4-20210506	550-163375-6	05/06/21	Stage 2A	Water	FD45													X	X							
51532D	5501633751	ES-4-20210506-FD22	550-163375-7	05/06/21	Stage 2A	Water	FD45													X	X							
51532D	5501633751	ES-1-20210506	550-163375-8	05/06/21	Stage 2A	Water														X	X							
51532D	5501633751	ES-28-20210506	550-163375-9	05/06/21	Stage 2A	Water														X	X							
51532D	5501633751	M-145-20210506	550-163375-10	05/06/21	Stage 2A	Water		X	X	X					X					X	X				X			
51532D	5501633751	M-145-20210506-TB23	550-163375-11	05/06/21	Stage 2A	Water	TB	X	X																			
51532D	5501633751	M-268-20210506	550-163375-12	05/06/21	Stage 2A	Water		X	X	X					X					X	X				X			
51532D	5501633751	M-267-20210506	550-163375-13	05/06/21	Stage 2A	Water		X	X	X										X	X				X			
51532D	5501633751	M-214-20210506	550-163375-14	05/06/21	Stage 2A	Water		X	X	X					X					X	X				X			
51532D	5501633751	PC-94-20210506	550-163375-15	05/06/21	Stage 2A	Water	FD46	X	X	X					X					X	X				X			
51532D	5501633751	PC-94-20210506-FD14	550-163375-16	05/06/21	Stage 2A	Water	FD46	X	X	X					X					X	X				X			
51532D	5501633751	SWFTS-MW07A-20210506	550-163375-17	05/06/21	Stage 2A	Water		X	X	X					X					X	X				X			
51532D	5501633751	SWFTS-MW08A-20210506	550-163375-18	05/06/21	Stage 2A	Water		X	X	X										X	X				X			
51532D	5501633751	SWFTS-MW08C-20210506	550-163375-19	05/06/21	Stage 2A	Water		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	VOC (8260B)	VOC SIM (8260BSIM)	Chromium (200.7)	Metals (200.7)	CrVI (218.6)	CrVI (SM 3500CRB)	Chloride (300.0)	Nitrate as N (300.0)	Nitrite as N (300.0)	Sulfate (300.0)	NO_3/NO_2 as N (Calc)	TIN (Calc)	Chlorate (300.1B)	Perchlorate (314.0)	Ammonia as N (350.1)	TRP (420.4)	Conductivity (2510B)	TDS (2540C)	TOC (5310B)	TOX (9020B)	Field pH
51532D	5501633751	PC-40R-20210506	550-163375-20	05/06/21	Stage 2A	Water		X	X	X					X					X	X				X			
51532D	5501633751	ES-20-20210506	550-163375-21	05/06/21	Stage 2A	Water									X					X	X							
51532D	5501633751	DBMW-18-20210506	550-163375-22	05/06/21	Stage 2A	Water									X					X	X							
51532D	5501633751	DBMW-18-20210506-EB23	550-163375-23	05/06/21	Stage 2A	Water	EB								X					X	X							
51532D	5501633751	ES-31-20210506	550-163375-24	05/06/21	Stage 2A	Water									X					X	X							
51532D	5501633751	PC-198-20210506	550-163375-25	05/06/21	Stage 2A	Water		X	X	X					X					X	X				X			
51532D	5501633751	PC-199-20210506	550-163375-26	05/06/21	Stage 2A	Water		X	X	X					X					X	X				X			
51532D	5501633751	ES-2-20210506	550-163375-27	05/06/21	Stage 2A	Water														X	X							
51532D	5501633751	ES-2-20210506-FB22	550-163375-28	05/06/21	Stage 2A	Water	FB													X	X							
51532D	5501633751	ES-3-20210506	550-163375-29	05/06/21	Stage 2A	Water														X	X							
51532D	5501633751	ES-5-20210506	550-163375-30	05/06/21	Stage 2A	Water														X	X							
51532D	5501633751	ES-6-20210506	550-163375-31	05/06/21	Stage 2A	Water														X	X							
51532D	5501633751	M-135-20210506	550-163375-32	05/06/21	Stage 2A	Water		X	X	X										X	X				X			
51532D	5501633751	M-135-20210506-EB12	550-163375-33	05/06/21	Stage 2A	Water	EB	X	X	X					X					X	X				X			
51532D	5501633751	ES-32-20210506	550-163375-34	05/06/21	Stage 2A	Water									X					X	X							
51532D	5501633751	ES-30-20210506	550-163375-35	05/06/21	Stage 2A	Water									X					X	X							
51532D	5501633751	ES-30-20210506-FB23	550-163375-36	05/06/21	Stage 2A	Water	FB								X					X	X							
51532D	5501633751	DBMW-5-20210506	550-163375-37	05/06/21	Stage 2A	Water														X	X							
51532D	5501633751	BEC-12-20210506	550-163375-38	05/06/21	Stage 2A	Water									X					X	X							
51532E	5501634441	M-68-20210507	550-163444-1	05/07/21	Stage 2A	Water		X	X	X					X					X	X				X			
51532E	5501634441	M-68-20210507-EB10	550-163444-2	05/07/21	Stage 2A	Water	EB	X	X	X										X	X				X			
51532E	5501634441	M-220-20210507	550-163444-3	05/07/21	Stage 2A	Water		X	X	X										X	X				X			
51532E	5501634441	M-67-20210507	550-163444-4	05/07/21	Stage 2A	Water		X	X	X										X	X				X			
51532E	5501634441	M-147-20210507	550-163444-5	05/07/21	Stage 2A	Water		X	X	X										X	X				X			
51532E	5501634441	M-35-20210507	550-163444-6	05/07/21	Stage 2A	Water		X	X	X					X					X	X				X			
51532E	5501634441	M-35-20210507-TB25	550-163444-7	05/07/21	Stage 2A	Water	TB	X	X						X													
51532E	5501634441	M-75-20210507	550-163444-8	05/07/21	Stage 2A	Water		X	X	X					X					X	X				X			
51532E	5501634441	PC-82-20210507	550-163444-9	05/07/21	Stage 2A	Water		X	X						X					X	X				X			
51532E	5501634441	PC-82-20210507-EB17	550-163444-10	05/07/21	Stage 2A	Water	EB	X	X						X					X	X				X			
51532E	5501634441	PC-86-20210507	550-163444-11	05/07/21	Stage 2A	Water		X	X	X					X					X	X				X			
51532E	5501634441	PC-91-20210507	550-163444-12	05/07/21	Stage 2A	Water		X	X	X					X					X	X				X			
51532E	5501634441	MCF-06B-20210507	550-163444-13	05/07/21	Stage 2A	Water														X	X							

Table I. Sample Cross-Reference

LDC	SDG	Client Sample ID	Lab ID	Sample Date	Validation Level	Matrix	QC Type	VOC (8260B)	VOC SIM (8260BSIM)	Chromium (200.7)	Metals (200.7)	CrVI (218.6)	CrVI (SM 3500CRB)	Chloride (300.0)	Nitrate as N (300.0)	Nitrite as N (300.0)	Sulfate (300.0)	NO_3/NO_2 as N (Calc)	TIN (Calc)	Chlorate (300.1B)	Perchlorate (314.0)	Ammonia as N (350.1)	TRP (420.4)	Conductivity (2510B)	TDS (2540C)	TOC (5310B)	TOX (9020B)	Field pH
51532E	5501634441	MCF-06C-20210507	550-163444-14	05/07/21	Stage 2A	Water									X					X	X							
51532E	5501634441	ES-13-20210507	550-163444-15	05/07/21	Stage 2A	Water														X	X							
51532E	5501634441	ES-12-20210507	550-163444-16	05/07/21	Stage 2A	Water									X					X	X							
51532E	5501634441	PC-58-20210507	550-163444-17	05/07/21	Stage 2A	Water		X	X	X										X	X				X			
51532E	5501634441	PC-56-20210507	550-163444-18	05/07/21	Stage 2A	Water		X	X	X					X					X	X				X			
51532E	5501634441	PC-56-20210507-FB11	550-163444-19	05/07/21	Stage 2A	Water	FB	X	X	X					X					X	X				X			
51532E	5501634441	PC-60-20210507	550-163444-20	05/07/21	Stage 2A	Water		X	X	X					X					X	X				X			
51532E	5501634441	H-28A-20210507	550-163444-21	05/07/21	Stage 2A	Water		X	X		X				X		X			X	X		X	X	X	X	X	
51532E	5501634441	PC-59-20210507	550-163444-22	05/07/21	Stage 2A	Water		X	X	X										X	X				X			
51532E	5501634441	PC-59-20210507-TB26	550-163444-23	05/07/21	Stage 2A	Water	TB	X	X																			
51532E	5501634441	PC-62-20210507	550-163444-24	05/07/21	Stage 2A	Water		X	X	X										X	X				X			
51532E	5501634441	PC-90-20210507	550-163444-25	05/07/21	Stage 2A	Water		X	X	X										X	X				X			
51532E	5501634441	PC-90-20210507-FB12	550-163444-26	05/07/21	Stage 2A	Water	FB	X	X	X										X	X				X			
51532E	5501634441	AA-UW2-20210507	550-163444-27	05/07/21	Stage 2A	Water									X					X	X							
51532E	5501634441	DBMW-8-20210507	550-163444-28	05/07/21	Stage 2A	Water									X					X	X							
51532E	5501634441	DBMW-16-20210507	550-163444-30	05/07/21	Stage 2A	Water									X					X	X							
51532E	5501634441	DBMW-17-20210507	550-163444-31	05/07/21	Stage 2A	Water	FD47								X					X	X							
51532E	5501634441	DBMW-17-20210507-FD23	550-163444-32	05/07/21	Stage 2A	Water	FD47								X					X	X							
51532F	5501634461	LVW4.2-1-1.8-20210507	550-163446-1	05/07/21	Stage 2A	Water														X	X				X			
51532F	5501634461	LVW4.2-2-2.4-20210507	550-163446-2	05/07/21	Stage 2A	Water									X					X	X				X			
51532F	5501634461	LVW4.2-3-3.3-20210507	550-163446-3	05/07/21	Stage 2A	Water														X	X				X			
51532F	5501634461	LVW4.2-4-2.2-20210507	550-163446-4	05/07/21	Stage 2A	Water									X					X	X				X			
51532F	5501634461	LVW3.5-1-1.3-20210507	550-163446-5	05/07/21	Stage 2A	Water									X					X	X				X			
51532F	5501634461	LVW3.5-2-1.0-20210507	550-163446-6	05/07/21	Stage 2A	Water									X					X	X				X			
51532F	5501634461	LVW3.5-3-1.7-20210507	550-163446-7	05/07/21	Stage 2A	Water														X	X				X			
51532F	5501634461	LVW3.5-4-1.8-20210507	550-163446-8	05/07/21	Stage 2A	Water									X					X	X				X			
51532F	5501634461	LVW3.5-5-1.8-20210507	550-163446-9	05/07/21	Stage 2A	Water									X					X	X				X			
51532F	5501634461	LVW3.5-6-1.8-20210507	550-163446-10	05/07/21	Stage 2A	Water									X					X	X				X			
51532F	5501634461	LVW0.55-1.1-20210507	550-163446-11	05/07/21	Stage 2A	Water	FD48								X					X	X				X			
51532F	5501634461	LVW5.3-1-2.6-20210507	550-163446-12	05/07/21	Stage 2A	Water														X	X				X			
51532F	5501634461	LVW5.3-2-0.6-20210507	550-163446-13	05/07/21	Stage 2A	Water														X	X				X			
51532F	5501634461	LVW5.3-3-0.4-20210507	550-163446-14	05/07/21	Stage 2A	Water														X	X				X			

Table I. Sample Cross-Reference

LDC	SDG	Client Sample ID	Lab ID	Sample Date	Validation Level	Matrix	QC Type	VOC (8260B)	VOC SIM (8260BSIM)	Chromium (200.7)	Metals (200.7)	CrVI (218.6)	CrVI (SM 3500CRB)	Chloride (300.0)	Nitrate as N (300.0)	Nitrite as N (300.0)	Sulfate (300.0)	NO_3/NO_2 as N (Calc)	TIN (Calc)	Chlorate (300.1B)	Perchlorate (314.0)	Ammonia as N (350.1)	TRP (420.4)	Conductivity (2510B)	TDS (2540C)	TOC (5310B)	TOX (9020B)	Field pH
51532F	5501634461	LVW5.3-4-0.7-20210507	550-163446-15	05/07/21	Stage 2A	Water									X					X	X				X			
51532F	5501634461	LVW5.3-5-0.8-20210507	550-163446-16	05/07/21	Stage 2A	Water									X					X	X				X			
51532F	5501634461	LVW5.3-6-0.6-20210507	550-163446-17	05/07/21	Stage 2A	Water									X					X	X				X			
51532F	5501634461	LVW4.75-1-1.1-20210507	550-163446-18	05/07/21	Stage 2A	Water									X					X	X				X			
51532F	5501634461	LVW4.75-2-1.5-20210507	550-163446-19	05/07/21	Stage 2A	Water									X					X	X				X			
51532F	5501634461	LVW4.75-3-1.3-20210507	550-163446-20	05/07/21	Stage 2A	Water									X					X	X				X			
51532F	5501634461	LVW4.75-4-1.4-20210507	550-163446-21	05/07/21	Stage 2A	Water									X					X	X				X			
51532F	5501634461	LVW4.75-5-1.2-20210507	550-163446-22	05/07/21	Stage 2A	Water									X					X	X				X			
51532F	5501634461	LVW8.85-0.7-20210506	550-163446-23	05/06/21	Stage 2A	Water														X	X				X			
51532F	5501634461	LVW7.2-1.0-20210506	550-163446-24	05/06/21	Stage 2A	Water	FD49								X					X	X				X			
51532F	5501634461	LVW7.2-1.0-20210506-FD	550-163446-25	05/06/21	Stage 2A	Water	FD49								X					X	X				X			
51532F	5501634461	LVW6.6-1-2.0-20210506	550-163446-26	05/06/21	Stage 2A	Water									X					X	X				X			
51532F	5501634461	LVW6.6-2-2.8-20210506	550-163446-27	05/06/21	Stage 2A	Water														X	X				X			
51532F	5501634461	LVW6.6-3-1.9-20210506	550-163446-28	05/06/21	Stage 2A	Water									X					X	X				X			
51532F	5501634461	LVW6.05-0.7-20210506	550-163446-29	05/06/21	Stage 2A	Water	FD50													X	X				X			
51532F	5501634461	LVW6.05-0.7-20210506-FD	550-163446-30	05/06/21	Stage 2A	Water	FD50								X					X	X				X			
51532F	5501634461	LVW6.05-20210506-FB	550-163446-31	05/06/21	Stage 2A	Water	FB								X					X	X				X			
51532F	5501634461	C1-E-0.0-20210506	550-163446-32	05/06/21	Stage 2A	Water									X					X	X				X			
51532F	5501634461	C1-W-0.0-20210506	550-163446-33	05/06/21	Stage 2A	Water									X					X	X				X			
51532F	5501634461	LVW0.55-1.1-20210507-FD	550-163446-34	05/07/21	Stage 2A	Water	FD48								X					X	X				X			
51532F	5501634461	LVW0.55-20210507-FB	550-163446-35	05/07/21	Stage 2A	Water	FB								X					X	X				X			
51532G	5501634941	E1-1-20210510	550-163494-1	05/10/21	Stage 2A	Water				X		X			X					X	X				X			X
51532G	5501634941	E1-2-20210510	550-163494-2	05/10/21	Stage 2A	Water				X		X			X					X	X				X			X
51532G	5501634941	E1-3-20210510	550-163494-3	05/10/21	Stage 2A	Water				X		X								X	X				X			X
51532G	5501634941	E2-1-20210510	550-163494-4	05/10/21	Stage 2A	Water				X		X								X	X				X			X
51532G	5501634941	E2-3-20210510	550-163494-5	05/10/21	Stage 2A	Water	FD49			X		X			X					X	X				X			X
51532G	5501634941	E2-4-20210510	550-163494-6	05/10/21	Stage 2A	Water				X		X								X	X				X			X
51532G	5501634941	E2-5-20210510	550-163494-7	05/10/21	Stage 2A	Water				X		X			X					X	X				X			X
51532G	5501634941	E2-3-20210510-FD	550-163494-8	05/10/21	Stage 2A	Water	FD49			X		X			X					X	X				X			X
51532G	5501634941	E2-4-20210510-EB	550-163494-9	05/10/21	Stage 2A	Water	EB			X		X			X					X	X				X			X
51532I	5501634951	M-142-20210510	550-163495-1	05/10/21	Stage 2A	Water		X	X	X										X	X				X			
51532I	5501634951	M-76-20210510	550-163495-2	05/10/21	Stage 2A	Water		X	X	X										X	X				X			

Table I. Sample Cross-Reference

LDC	SDG	Client Sample ID	Lab ID	Sample Date	Validation Level	Matrix	QC Type	VOC (8260B)	VOC SIM (8260BSIM)	Chromium (200.7)	Metals (200.7)	CrVI (218.6)	CrVI (SM 3500CRB)	Chloride (300.0)	Nitrate as N (300.0)	Nitrite as N (300.0)	Sulfate (300.0)	NO_3/NO_2 as N (Calc)	TIN (Calc)	Chlorate (300.1B)	Perchlorate (314.0)	Ammonia as N (350.1)	TRP (420.4)	Conductivity (2510B)	TDS (2540C)	TOC (5310B)	TOX (9020B)	Field pH
51532J	5501635991	I-C-20210511	550-163599-1	05/11/21	Stage 2A	Water				X		X								X	X				X			X
51532J	5501635991	I-F-20210511	550-163599-2	05/11/21	Stage 2A	Water				X		X								X	X				X			X
51532J	5501635991	I-X-20210511	550-163599-3	05/11/21	Stage 2A	Water				X		X			X					X	X				X			X
51532J	5501635991	I-N-20210511	550-163599-4	05/11/21	Stage 2A	Water				X		X								X	X				X			X
51532J	5501635991	I-E-20210511	550-163599-5	05/11/21	Stage 2A	Water				X		X			X					X	X				X			X
51532J	5501635991	I-M-20210511	550-163599-6	05/11/21	Stage 2A	Water				X		X								X	X				X			X
51532J	5501635991	I-D-20210511	550-163599-7	05/11/21	Stage 2A	Water				X		X			X					X	X				X			X
51532K	5501636001	I-AA-20210511	550-163600-1	05/11/21	Stage 2A	Water				X		X			X					X	X				X			X
51532K	5501636001	I-AB-20210511	550-163600-2	05/11/21	Stage 2A	Water				X		X			X					X	X				X			X
51532K	5501636001	I-B-20210511	550-163600-3	05/11/21	Stage 2A	Water				X		X			X					X	X				X			X
51532K	5501636001	I-R-20210511	550-163600-4	05/11/21	Stage 2A	Water				X		X								X	X				X			X
51532K	5501636001	I-Y-20210511	550-163600-5	05/11/21	Stage 2A	Water				X		X			X					X	X				X			X
51532K	5501636001	I-L-20210511	550-163600-6	05/11/21	Stage 2A	Water				X		X			X					X	X				X			X
51532K	5501636001	I-S-20210511	550-163600-7	05/11/21	Stage 2A	Water	FD50			X		X			X					X	X				X			X
51532K	5501636001	I-S-20210511-FD	550-163600-8	05/11/21	Stage 2A	Water	FD50			X		X			X					X	X				X			X
51532K	5501636001	I-AR-20210511	550-163600-9	05/11/21	Stage 2A	Water				X		X			X					X	X				X			X
51532L	5501636021	M-115-20210511	550-163602-1	05/11/21	Stage 2A	Water		X	X	X					X					X	X				X			
51532L	5501636021	M-115-20210511-TB24	550-163602-2	05/11/21	Stage 2A	Water	TB	X	X						X													
51532L	5501636021	M-132-20210511	550-163602-3	05/11/21	Stage 2A	Water		X	X	X					X					X	X				X			
51532L	5501636021	M-74-20210511	550-163602-4	05/11/21	Stage 2A	Water		X	X	X										X	X				X			
51532L	5501636021	M-81A-20210511	550-163602-5	05/11/21	Stage 2A	Water		X	X	X										X	X				X			
51532L	5501636021	M-83-20210511	550-163602-6	05/11/21	Stage 2A	Water		X	X	X										X	X				X			
51532M	5501636621	M-10-20210512	550-163662-1	05/12/21	Stage 2A	Water		X	X		X	X		X		X			X	X	X	X			X			
51532N	5501636661	ART-1A-20210512	550-163666-1	05/12/21	Stage 2A	Water				X		X								X	X				X			X
51532N	5501636661	ART-2/2A-20210512	550-163666-2	05/12/21	Stage 2A	Water	FD51			X		X								X	X				X			X
51532N	5501636661	ART-3A-20210512	550-163666-3	05/12/21	Stage 2A	Water				X		X			X					X	X				X			X
51532N	5501636661	ART-4-20210512	550-163666-4	05/12/21	Stage 2A	Water				X		X			X					X	X				X			X
51532N	5501636661	ART-7B-20210512	550-163666-5	05/12/21	Stage 2A	Water				X		X			X					X	X				X			X
51532N	5501636661	ART-8A-20210512	550-163666-6	05/12/21	Stage 2A	Water				X		X			X					X	X				X			X
51532N	5501636661	ART-9-20210512	550-163666-7	05/12/21	Stage 2A	Water				X		X								X	X				X			X
51532N	5501636661	PC-150-20210512	550-163666-8	05/12/21	Stage 2A	Water				X		X			X					X	X				X			X
51532N	5501636661	ART-2/2A-20210512-FD	550-163666-9	05/12/21	Stage 2A	Water	FD51			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	VOC (8260B)	VOC SIM (8260BSIM)	Chromium (200.7)	Metals (200.7)	CrVI (218.6)	CrVI (SM 3500CRB)	Chloride (300.0)	Nitrate as N (300.0)	Nitrite as N (300.0)	Sulfate (300.0)	NO_3/NO_2 as N (Calc)	TIN (Calc)	Chlorate (300.1B)	Perchlorate (314.0)	Ammonia as N (350.1)	TRP (420.4)	Conductivity (2510B)	TDS (2540C)	TOC (5310B)	TOX (9020B)	Field pH
51532N	5501636661	ART-3A-20210512-EB	550-163666-10	05/12/21	Stage 2A	Water	EB			X		X								X	X				X			X
51532O	5501636671	PC-99R2/R3-20210512	550-163667-1	05/12/21	Stage 2A	Water				X		X								X	X				X			X
51532O	5501636671	PC-115R-20210512	550-163667-2	05/12/21	Stage 2A	Water	FD52			X		X								X	X				X			X
51532O	5501636671	PC-116R-20210512	550-163667-3	05/12/21	Stage 2A	Water				X		X								X	X				X			X
51532O	5501636671	PC-117-20210512	550-163667-4	05/12/21	Stage 2A	Water				X		X			X					X	X				X			X
51532O	5501636671	PC-118-20210512	550-163667-5	05/12/21	Stage 2A	Water				X		X			X					X	X				X			X
51532O	5501636671	PC-119-20210512	550-163667-6	05/12/21	Stage 2A	Water				X		X			X					X	X				X			X
51532O	5501636671	PC-120-20210512	550-163667-7	05/12/21	Stage 2A	Water				X		X			X					X	X				X			X
51532O	5501636671	PC-121-20210512	550-163667-8	05/12/21	Stage 2A	Water				X		X			X					X	X				X			X
51532O	5501636671	PC-133-20210512	550-163667-9	05/12/21	Stage 2A	Water				X		X			X					X	X				X			X
51532O	5501636671	PC-115R-20210512-FD	550-163667-10	05/12/21	Stage 2A	Water	FD52			X		X			X					X	X				X			X
51532O	5501636671	PC-116R-20210512-EB	550-163667-11	05/12/21	Stage 2A	Water	EB			X		X								X	X				X			X
51532Q	5501636781	M-73-20210512	550-163678-1	05/12/21	Stage 2A	Water		X	X	X										X	X				X			
51532Q	5501636781	M-155-20210512	550-163678-2	05/12/21	Stage 2A	Water		X	X	X										X	X				X			
51532Q	5501636781	M-151-20210512	550-163678-3	05/12/21	Stage 2A	Water		X	X	X					X					X	X				X			
51532Q	5501636781	DBMW-15-20210512	550-163678-4	05/12/21	Stage 2A	Water														X	X							
51532R	5501637761	I-AC-20210513	550-163776-1	05/13/21	Stage 2A	Water				X		X			X					X	X				X			X
51532R	5501637761	I-AD-20210513	550-163776-2	05/13/21	Stage 2A	Water				X		X			X					X	X				X			X
51532R	5501637761	I-K-20210513	550-163776-3	05/13/21	Stage 2A	Water				X		X			X					X	X				X			X
51532R	5501637761	I-J-20210513	550-163776-4	05/13/21	Stage 2A	Water				X		X			X					X	X				X			X
51532R	5501637761	I-Z-20210513	550-163776-5	05/13/21	Stage 2A	Water				X		X								X	X				X			X
51532R	5501637761	I-I-20210513	550-163776-6	05/13/21	Stage 2A	Water				X		X								X	X				X			X
51532R	5501637761	I-V-20210513	550-163776-7	05/13/21	Stage 2A	Water				X		X								X	X				X			X
51532S	5501637801	I-Q-20210513	550-163780-1	05/13/21	Stage 2A	Water				X		X								X	X				X			X
51532S	5501637801	I-G-20210513	550-163780-2	05/13/21	Stage 2A	Water				X		X								X	X				X			X
51532S	5501637801	I-T-20210513	550-163780-3	05/13/21	Stage 2A	Water				X		X			X					X	X				X			X
51532S	5501637801	I-U-20210513	550-163780-4	05/13/21	Stage 2A	Water				X		X			X					X	X				X			X
51532S	5501637801	I-H-20210513	550-163780-5	05/13/21	Stage 2A	Water				X		X			X					X	X				X			X
51532S	5501637801	I-P-20210513	550-163780-6	05/13/21	Stage 2A	Water				X		X			X					X	X				X			X
51532S	5501637801	I-W-20210513	550-163780-7	05/13/21	Stage 2A	Water				X		X			X					X	X				X			X
51532S	5501637801	I-O-20210513	550-163780-8	05/13/21	Stage 2A	Water				X		X								X	X				X			X
51532S	5501637801	I-T-20210513-EB	550-163780-9	05/13/21	Stage 2A	Water	EB			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	VOC (8260B)	VOC SIM (8260BSIM)	Chromium (200.7)	Metals (200.7)	CrVI (218.6)	CrVI (SM 3500CRB)	Chloride (300.0)	Nitrate as N (300.0)	Nitrite as N (300.0)	Sulfate (300.0)	NO_3/NO_2 as N (Calc)	TIN (Calc)	Chlorate (300.1B)	Perchlorate (314.0)	Ammonia as N (350.1)	TRP (420.4)	Conductivity (2510B)	TDS (2540C)	TOC (5310B)	TOX (9020B)	Field pH
51532T	5501637821	M-148A-20210513	550-163782-1	05/13/21	Stage 2A	Water		X	X	X										X	X				X			
51532T	5501637821	M-186D-20210513	550-163782-2	05/13/21	Stage 2A	Water		X	X	X					X					X	X				X			
51532T	5501637821	M-80-20210513	550-163782-3	05/13/21	Stage 2A	Water	FD53	X	X	X		X			X					X	X				X			
51532T	5501637821	M-80-20210513-FD4	550-163782-4	05/13/21	Stage 2A	Water	FD53	X	X	X		X			X					X	X				X			
51532T	5501637821	M-148A-20210513-TB22	550-163782-5	05/13/21	Stage 2A	Water	TB	X	X																			
51532U	5501638411	DBMW-7-20210514	550-163841-1	05/14/21	Stage 2A	Water									X					X	X							
51532V	5501639061	E2-2-20210517	550-163906-1	05/17/21	Stage 2A	Water				X		X			X					X	X				X			
51532X	5501644631	PC-142-20210526	550-164463-1	05/26/21	Stage 2A	Water		X	X	X					X					X	X				X			
51532X	5501644631	PC-142-20210526-TB27	550-164463-2	05/26/21	Stage 2A	Water	TB	X	X						X													
51532X	5501644631	ARP-1-20210526	550-164463-3	05/26/21	Stage 2A	Water		X	X	X										X	X				X			
51532X	5501644631	PC-149-20210526	550-164463-4	05/26/21	Stage 2A	Water		X	X	X										X	X				X			
51532Y	5501645431	PC-28-20210527	550-164543-1	05/27/21	Stage 2A	Water		X	X	X										X	X				X			
51532Y	5501645431	PC-24-20210527	550-164543-2	05/27/21	Stage 2A	Water		X	X	X					X					X	X				X			
51532Y	5501645431	PC-50-20210527	550-164543-3	05/27/21	Stage 2A	Water		X	X	X					X					X	X				X			
51532Y	5501645431	PC-153R-20210527	550-164543-4	05/27/21	Stage 2A	Water		X	X	X					X					X	X				X			
51532Y	5501645431	PC-154-20210527	550-164543-5	05/27/21	Stage 2A	Water		X	X	X					X					X	X				X			
51532Y	5501645431	PC-158-20210527	550-164543-6	05/27/21	Stage 2A	Water	FD54	X	X	X					X					X	X				X			
51532Y	5501645431	PC-158-20210527-FD16	550-164543-7	05/27/21	Stage 2A	Water	FD54	X	X	X					X					X	X				X			
51532Y	5501645431	ART-6-20210527	550-164543-8	05/27/21	Stage 2A	Water		X	X	X					X					X	X				X			
51532Y	5501645431	HMW-16-20210527	550-164543-9	05/27/21	Stage 2A	Water		X	X						X					X	X				X			
51532Y	5501645431	HMW-15-20210527	550-164543-10	05/27/21	Stage 2A	Water		X	X											X	X				X			
51532Y	5501645431	HMW-14-20210527	550-164543-11	05/27/21	Stage 2A	Water		X	X						X					X	X				X			
51532Y	5501645431	HMW-14-20210527-FB16	550-164543-12	05/27/21	Stage 2A	Water	FB	X	X						X					X	X				X			
51532Y	5501645431	HMW-13-20210527	550-164543-13	05/27/21	Stage 2A	Water		X	X						X					X	X				X			
51532Y	5501645431	PC-31-20210527-TB30	550-164543-14	05/27/21	Stage 2A	Water	TB	X	X																			
51532Y	5501645431	PC-31-20210527	550-164543-15	05/27/21	Stage 2A	Water		X	X	X					X					X	X				X			
51532Y	5501645431	PC-159-20210527	550-164543-16	05/27/21	Stage 2A	Water		X	X	X										X	X				X			
51532Y	5501645431	PC-160-20210527	550-164543-17	05/27/21	Stage 2A	Water		X	X	X					X					X	X				X			
51532Y	5501645431	PC-55-20210527	550-164543-18	05/27/21	Stage 2A	Water		X	X	X					X					X	X				X			
51532Y	5501645431	PC-18-20210527	550-164543-19	05/27/21	Stage 2A	Water		X	X	X					X					X	X				X			
51532Y	5501645431	PC-123-20210527	550-164543-20	05/27/21	Stage 2A	Water		X	X	X					X					X	X				X			
51532Y	5501645431	PC-124-20210527	550-164543-21	05/27/21	Stage 2A	Water		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	VOC (8260B)	VOC SIM (8260BSIM)	Chromium (200.7)	Metals (200.7)	CrVI (218.6)	CrVI (SM 3500CRB)	Chloride (300.0)	Nitrate as N (300.0)	Nitrite as N (300.0)	Sulfate (300.0)	NO_3/NO_2 as N (Calc)	TIN (Calc)	Chlorate (300.1B)	Perchlorate (314.0)	Ammonia as N (350.1)	TRP (420.4)	Conductivity (2510B)	TDS (2540C)	TOC (5310B)	TOX (9020B)	Field pH
51532Y	5501645431	PC-126-20210527	550-164543-22	05/27/21	Stage 2A	Water		X	X	X					X					X	X				X			
51532Y	5501645431	PC-126-20210527-EB16	550-164543-23	05/27/21	Stage 2A	Water	EB	X	X	X					X					X	X				X			
51532Y	5501645431	PC-127-20210527	550-164543-24	05/27/21	Stage 2A	Water		X	X	X					X					X	X				X			
51532Y	5501645431	PC-66-20210527	550-164543-25	05/27/21	Stage 2A	Water		X	X	X										X	X				X			
51532Y	5501645431	PC-129-20210527	550-164543-26	05/27/21	Stage 2A	Water		X	X	X										X	X				X			
51532Y	5501645431	PC-129-20210527-TB29	550-164543-27	05/27/21	Stage 2A	Water	TB	X	X						X													
51532Y	5501645431	PC-131-20210527	550-164543-28	05/27/21	Stage 2A	Water		X	X	X										X	X				X			
51532Y	5501645431	PC-132-20210527	550-164543-29	05/27/21	Stage 2A	Water		X	X	X					X					X	X				X			
51532Y	5501645431	PC-151-20210527	550-164543-30	05/27/21	Stage 2A	Water		X	X	X					X					X	X				X			
51532Y	5501645431	PC-148-20210527	550-164543-31	05/27/21	Stage 2A	Water		X	X	X					X					X	X				X			
51532Y	5501645431	PC-65-20210527	550-164543-32	05/27/21	Stage 2A	Water		X	X	X										X	X				X			
51532Z	5501645881	ARP-5A-20210528	550-164588-1	05/28/21	Stage 2A	Water		X	X	X										X	X				X			
51532Z	5501645881	ARP-7-20210528	550-164588-2	05/28/21	Stage 2A	Water		X	X	X										X	X				X			
51532Z	5501645881	ARP-7-20210528-FB14	550-164588-3	05/28/21	Stage 2A	Water	FB	X	X	X										X	X				X			
51532Z	5501645881	PC-134D-20210528	550-164588-4	05/28/21	Stage 2A	Water		X	X	X					X					X	X				X			
51532Z	5501645881	PC-135A-20210528	550-164588-5	05/28/21	Stage 2A	Water		X	X	X										X	X				X			
51532Z	5501645881	PC-4-20210528	550-164588-6	05/28/21	Stage 2A	Water		X	X	X					X					X	X				X			
51532Z	5501645881	PC-143-20210528	550-164588-7	05/28/21	Stage 2A	Water		X	X	X										X	X				X			
51532Z	5501645881	PC-143-20210528-FB15	550-164588-8	05/28/21	Stage 2A	Water	FB	X	X	X					X					X	X				X			
51532Z	5501645881	MW-K4-20210528	550-164588-9	05/28/21	Stage 2A	Water		X	X	X					X					X	X				X			
51532Z	5501645881	PC-101R-20210528	550-164588-10	05/28/21	Stage 2A	Water		X	X	X					X					X	X				X			
51532Z	5501645881	ARP-3AB-20210528	550-164588-11	05/28/21	Stage 2A	Water		X	X	X					X					X	X				X			
51532Z	5501645881	ARP-2A-20210528	550-164588-12	05/28/21	Stage 2A	Water		X	X	X										X	X				X			
51532Z	5501645881	ARP-2A-20210528-EB14	550-164588-13	05/28/21	Stage 2A	Water	EB	X	X	X					X					X	X				X			
51532Z	5501645881	PC-134A-20210528	550-164588-14	05/28/21	Stage 2A	Water		X	X	X					X					X	X				X			
51532Z	5501645881	PC-134A-20210528-EB15	550-164588-15	05/28/21	Stage 2A	Water	EB	X	X	X					X					X	X				X			
51532Z	5501645881	PC-145-20210528	550-164588-16	05/28/21	Stage 2A	Water		X	X	X					X					X	X				X			
51532Z	5501645881	PC-144-20210528	550-164588-17	05/28/21	Stage 2A	Water		X	X	X					X					X	X				X			
51532Z	5501645881	PC-144-20210528-TB28	550-164588-18	05/28/21	Stage 2A	Water	TB	X	X						X													
51532Z	5501645881	ARP-6B-20210528	550-164588-19	05/28/21	Stage 2A	Water		X	X	X					X					X	X				X			
51587A	5501648321	I-AA-20210603	550-164832-1	06/03/21	Stage 2A	Water				X		X			X					X	X				X			X
51587A	5501648321	I-B-20210603	550-164832-2	06/03/21	Stage 2A	Water				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	VOC (8260B)	VOC SIM (8260BSIM)	Chromium (200.7)	Metals (200.7)	CrVI (218.6)	CrVI (SM 3500CRB)	Chloride (300.0)	Nitrate as N (300.0)	Nitrite as N (300.0)	Sulfate (300.0)	NO_3/NO_2 as N (Calc)	TIN (Calc)	Chlorate (300.1B)	Perchlorate (314.0)	Ammonia as N (350.1)	TRP (420.4)	Conductivity (2510B)	TDS (2540C)	TOC (5310B)	TOX (9020B)	Field pH
51587A	5501648321	I-R-20210603	550-164832-3	06/03/21	Stage 2A	Water				X		X			X					X	X				X			X
51587A	5501648321	I-Y-20210603	550-164832-4	06/03/21	Stage 2A	Water				X		X			X					X	X				X			X
51587A	5501648321	I-L-20210603	550-164832-5	06/03/21	Stage 2A	Water				X		X			X					X	X				X			X
51587A	5501648321	I-S-20210603	550-164832-6	06/03/21	Stage 2A	Water				X		X			X					X	X				X			X
51587A	5501648321	I-AR-20210603	550-164832-7	06/03/21	Stage 2A	Water				X		X			X					X	X				X			X
51587B	5501650891	I-Q-20210608	550-165089-1	06/08/21	Stage 2A	Water				X		X			X					X	X				X			X
51587B	5501650891	I-G-20210608	550-165089-2	06/08/21	Stage 2A	Water				X		X			X					X	X				X			X
51587B	5501650891	I-T-20210608	550-165089-3	06/08/21	Stage 2A	Water				X		X			X					X	X				X			X
51587B	5501650891	I-U-20210608	550-165089-4	06/08/21	Stage 2A	Water	FD55			X		X			X					X	X				X			X
51587B	5501650891	I-H-20210608	550-165089-5	06/08/21	Stage 2A	Water				X		X			X					X	X				X			X
51587B	5501650891	I-P-20210608	550-165089-6	06/08/21	Stage 2A	Water				X		X			X					X	X				X			X
51587B	5501650891	I-W-20210608	550-165089-7	06/08/21	Stage 2A	Water				X		X			X					X	X				X			X
51587B	5501650891	I-O-20210608	550-165089-8	06/08/21	Stage 2A	Water				X		X			X					X	X				X			X
51587B	5501650891	I-U-20210608-FD	550-165089-9	06/08/21	Stage 2A	Water	FD55			X		X			X					X	X				X			X
51587C	5501650901	I-C-20210608	550-165090-1	06/08/21	Stage 2A	Water				X		X			X					X	X				X			X
51587C	5501650901	I-F-20210608	550-165090-2	06/08/21	Stage 2A	Water				X		X			X					X	X				X			X
51587C	5501650901	I-X-20210608	550-165090-3	06/08/21	Stage 2A	Water				X		X			X					X	X				X			X
51587C	5501650901	I-N-20210608	550-165090-4	06/08/21	Stage 2A	Water				X		X			X					X	X				X			X
51587C	5501650901	I-E-20210608	550-165090-5	06/08/21	Stage 2A	Water				X		X			X					X	X				X			X
51587C	5501650901	I-M-20210608	550-165090-6	06/08/21	Stage 2A	Water				X		X			X					X	X				X			X
51587C	5501650901	I-D-20210608	550-165090-7	06/08/21	Stage 2A	Water				X		X			X					X	X				X			X
51587D	5501651431	LVW5.3-1-2.0-20210608	550-165143-1	06/08/21	Stage 2A	Water														X	X				X			
51587D	5501651431	LVW5.3-2-0.7-20210608	550-165143-2	06/08/21	Stage 2A	Water														X	X				X			
51587D	5501651431	LVW5.3-3-0.4-20210608	550-165143-3	06/08/21	Stage 2A	Water														X	X				X			
51587D	5501651431	LVW5.3-4-0.6-20210608	550-165143-4	06/08/21	Stage 2A	Water														X	X				X			
51587D	5501651431	LVW5.3-5-0.7-20210608	550-165143-5	06/08/21	Stage 2A	Water														X	X				X			
51587D	5501651431	LVW5.3-6-0.6-20210608	550-165143-6	06/08/21	Stage 2A	Water														X	X				X			
51587D	5501651431	LVW4.75-1-1.1-20210607	550-165143-7	06/07/21	Stage 2A	Water														X	X				X			
51587D	5501651431	LVW4.75-2-1.6-20210607	550-165143-8	06/07/21	Stage 2A	Water														X	X				X			
51587D	5501651431	LVW4.75-3-1.1-20210607	550-165143-9	06/07/21	Stage 2A	Water														X	X				X			
51587D	5501651431	LVW4.75-4-1.5-20210607	550-165143-10	06/07/21	Stage 2A	Water														X	X				X			
51587D	5501651431	LVW4.75-5-0.9-20210607	550-165143-11	06/07/21	Stage 2A	Water														X	X				X			

Table I. Sample Cross-Reference

LDC	SDG	Client Sample ID	Lab ID	Sample Date	Validation Level	Matrix	QC Type	VOC (8260B)	VOC SIM (8260BSIM)	Chromium (200.7)	Metals (200.7)	CrVI (218.6)	CrVI (SM 3500CRB)	Chloride (300.0)	Nitrate as N (300.0)	Nitrite as N (300.0)	Sulfate (300.0)	NO_3/NO_2 as N (Calc)	TIN (Calc)	Chlorate (300.1B)	Perchlorate (314.0)	Ammonia as N (350.1)	TRP (420.4)	Conductivity (2510B)	TDS (2540C)	TOC (5310B)	TOX (9020B)	Field pH
51587D	5501651431	LVW8.85-0.5-20210608	550-165143-12	06/08/21	Stage 2A	Water	FD56													X	X				X			
51587D	5501651431	LVW7.2-1.2-20210608	550-165143-13	06/08/21	Stage 2A	Water	FD57													X	X				X			
51587D	5501651431	LVW7.2-1.2-20210608-FD	550-165143-14	06/08/21	Stage 2A	Water	FD57													X	X				X			
51587D	5501651431	LVW6.6-1-1.5-20210608	550-165143-15	06/08/21	Stage 2A	Water														X	X				X			
51587D	5501651431	LVW6.6-2-2.6-20210608	550-165143-16	06/08/21	Stage 2A	Water														X	X				X			
51587D	5501651431	LVW6.6-3-3.0-20210608	550-165143-17	06/08/21	Stage 2A	Water														X	X				X			
51587D	5501651431	LVW6.05-0.6-20210608	550-165143-18	06/08/21	Stage 2A	Water	FD58													X	X				X			
51587D	5501651431	LVW6.05-0.6-20210608-FD	550-165143-19	06/08/21	Stage 2A	Water	FD58													X	X				X			
51587D	5501651431	LVW6.05-20210608-FB	550-165143-20	06/08/21	Stage 2A	Water	FB													X	X				X			
51587D	5501651431	C1-E-0.0-20210608	550-165143-21	06/08/21	Stage 2A	Water														X	X				X			
51587D	5501651431	C1-W-0.0-20210608	550-165143-22	06/08/21	Stage 2A	Water														X	X				X			
51587D	5501651431	LVW4.2-1-1.7-20210607	550-165143-23	06/07/21	Stage 2A	Water														X	X				X			
51587D	5501651431	LVW4.2-2-2.4-20210607	550-165143-24	06/07/21	Stage 2A	Water														X	X				X			
51587D	5501651431	LVW4.2-3-3.1-20210607	550-165143-25	06/07/21	Stage 2A	Water														X	X				X			
51587D	5501651431	LVW4.2-4-2.0-20210607	550-165143-26	06/07/21	Stage 2A	Water														X	X				X			
51587D	5501651431	LVW3.5-1-1.2-20210607	550-165143-27	06/07/21	Stage 2A	Water														X	X				X			
51587D	5501651431	LVW3.5-2-1.0-20210607	550-165143-28	06/07/21	Stage 2A	Water														X	X				X			
51587D	5501651431	LVW3.5-3-1.6-20210607	550-165143-29	06/07/21	Stage 2A	Water														X	X				X			
51587D	5501651431	LVW3.5-4-1.3-20210607	550-165143-30	06/07/21	Stage 2A	Water														X	X				X			
51587D	5501651431	LVW3.5-5-1.8-20210607	550-165143-31	06/07/21	Stage 2A	Water														X	X				X			
51587D	5501651431	LVW3.5-6-1.8-20210607	550-165143-32	06/07/21	Stage 2A	Water														X	X				X			
51587D	5501651431	LVW0.55-0.9-20210607	550-165143-33	06/07/21	Stage 2A	Water														X	X				X			
51587D	5501651431	LVW0.55-20210607-FB	550-165143-34	06/07/21	Stage 2A	Water	FB													X	X				X			
51587D	5501651431	LVW8.85-0.5-20210608-FD	550-165143-35	06/08/21	Stage 2A	Water	FD56													X	X				X			
51587E	5501651671	ART-1A-20210609	550-165167-1	06/09/21	Stage 2A	Water				X		X			X					X	X				X			X
51587E	5501651671	ART-2A-20210609	550-165167-2	06/09/21	Stage 2A	Water				X		X			X					X	X				X			X
51587E	5501651671	ART-3A-20210609	550-165167-3	06/09/21	Stage 2A	Water				X		X			X					X	X				X			X
51587E	5501651671	ART-4-20210609	550-165167-4	06/09/21	Stage 2A	Water	FD59			X		X			X					X	X				X			X
51587E	5501651671	ART-7B-20210609	550-165167-5	06/09/21	Stage 2A	Water				X		X			X					X	X				X			X
51587E	5501651671	ART-8A-20210609	550-165167-6	06/09/21	Stage 2A	Water				X		X			X					X	X				X			X
51587E	5501651671	ART-9-20210609	550-165167-7	06/09/21	Stage 2A	Water				X		X			X					X	X				X			X
51587E	5501651671	PC-150-20210609	550-165167-8	06/09/21	Stage 2A	Water				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	VOC (8260B)	VOC SIM (8260BSIM)	Chromium (200.7)	Metals (200.7)	CrVI (218.6)	CrVI (SM 3500CRB)	Chloride (300.0)	Nitrate as N (300.0)	Nitrite as N (300.0)	Sulfate (300.0)	NO_3/NO_2 as N (Calc)	TIN (Calc)	Chlorate (300.1B)	Perchlorate (314.0)	Ammonia as N (350.1)	TRP (420.4)	Conductivity (2510B)	TDS (2540C)	TOC (5310B)	TOX (9020B)	Field pH
51587E	5501651671	ART-4-20210609-FD	550-165167-9	06/09/21	Stage 2A	Water	FD59			X		X			X					X	X				X			X
51587E	5501651671	ART-7B-20210609-EB	550-165167-10	06/09/21	Stage 2A	Water	EB			X		X			X					X	X				X			X
51587F	5501651711	PC-99R2/R3-20210609	550-165171-1	06/09/21	Stage 2A	Water				X		X			X					X	X				X			X
51587F	5501651711	PC-115R-20210609	550-165171-2	06/09/21	Stage 2A	Water				X		X			X					X	X				X			X
51587F	5501651711	PC-116R-20210609	550-165171-3	06/09/21	Stage 2A	Water				X		X			X					X	X				X			X
51587F	5501651711	PC-117-20210609	550-165171-4	06/09/21	Stage 2A	Water	FD60			X		X			X					X	X				X			X
51587F	5501651711	PC-118-20210609	550-165171-5	06/09/21	Stage 2A	Water				X		X			X					X	X				X			X
51587F	5501651711	PC-119-20210609	550-165171-6	06/09/21	Stage 2A	Water				X		X			X					X	X				X			X
51587F	5501651711	PC-120-20210609	550-165171-7	06/09/21	Stage 2A	Water				X		X			X					X	X				X			X
51587F	5501651711	PC-121-20210609	550-165171-8	06/09/21	Stage 2A	Water				X		X			X					X	X				X			X
51587F	5501651711	PC-133-20210609	550-165171-9	06/09/21	Stage 2A	Water				X		X			X					X	X				X			X
51587F	5501651711	PC-117-20210609-FD	550-165171-10	06/09/21	Stage 2A	Water	FD60			X		X			X					X	X				X			X
51587F	5501651711	PC-118-20210609-EB	550-165171-11	06/09/21	Stage 2A	Water	EB			X		X			X					X	X				X			X
51587G	5501652541	E1-1-20210610	550-165254-1	06/10/21	Stage 2A	Water				X		X			X					X	X				X			X
51587G	5501652541	E1-2-20210610	550-165254-2	06/10/21	Stage 2A	Water				X		X			X					X	X				X			X
51587G	5501652541	E1-3-20210610	550-165254-3	06/10/21	Stage 2A	Water				X		X			X					X	X				X			X
51587G	5501652541	E2-1-20210610	550-165254-4	06/10/21	Stage 2A	Water				X		X			X					X	X				X			X
51587G	5501652541	E2-2-20210610	550-165254-5	06/10/21	Stage 2A	Water				X		X			X					X	X				X			X
51587G	5501652541	E2-3-20210610	550-165254-6	06/10/21	Stage 2A	Water				X		X			X					X	X				X			X
51587G	5501652541	E2-4-20210610	550-165254-7	06/10/21	Stage 2A	Water				X		X			X					X	X				X			X
51587G	5501652541	E2-5-20210610	550-165254-8	06/10/21	Stage 2A	Water	FD61			X		X			X					X	X				X			X
51587G	5501652541	E2-5-20210610-FD	550-165254-9	06/10/21	Stage 2A	Water	FD61			X		X			X					X	X				X			X
51587G	5501652541	E1-1-20210610-EB	550-165254-10	06/10/21	Stage 2A	Water	EB			X		X			X					X	X				X			X
51587H	5501654991	I-AC-20210615	550-165499-1	06/15/21	Stage 2A	Water				X		X			X					X	X				X			X
51587H	5501654991	I-AD-20210615	550-165499-2	06/15/21	Stage 2A	Water				X		X			X					X	X				X			X
51587H	5501654991	I-K-20210615	550-165499-3	06/15/21	Stage 2A	Water				X		X			X					X	X				X			X
51587H	5501654991	I-J-20210615	550-165499-4	06/15/21	Stage 2A	Water				X		X			X					X	X				X			X
51587H	5501654991	I-Z-20210615	550-165499-5	06/15/21	Stage 2A	Water				X		X			X					X	X				X			X
51587H	5501654991	I-I-20210615	550-165499-6	06/15/21	Stage 2A	Water				X		X			X					X	X				X			X
51587H	5501654991	I-V-20210615	550-165499-7	06/15/21	Stage 2A	Water				X		X			X					X	X				X			X
51587H	5501654991	I-V-20210615-EB	550-165499-8	06/15/21	Stage 2A	Water	EB			X		X			X					X	X				X			X
51587H	5501654991	I-AB-20210615	550-165499-9	06/15/21	Stage 2A	Water				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	VOC (8260B)	VOC SIM (8260BSIM)	Chromium (200.7)	Metals (200.7)	CrVI (218.6)	CrVI (SM 3500CRB)	Chloride (300.0)	Nitrate as N (300.0)	Nitrite as N (300.0)	Sulfate (300.0)	NO_3/NO_2 as N (Calc)	TIN (Calc)	Chlorate (300.1B)	Perchlorate (314.0)	Ammonia as N (350.1)	TRP (420.4)	Conductivity (2510B)	TDS (2540C)	TOC (5310B)	TOX (9020B)	Field pH
51841A	5501663511	PC-122-20210701	550-166351-1	07/01/21	Stage 2A	Water		X	X	X					X					X	X				X			
51841B	5501670891	PC-97-20210714	550-167089-1	07/14/21	Stage 2A	Water		X	X	X					X					X	X				X			
51841B	5501670891	PC-96-20210714	550-167089-2	07/14/21	Stage 2A	Water		X	X						X					X	X				X			
51841B	5501670891	PC-97-20210714-TB31	550-167089-3	07/14/21	Stage 2A	Water	TB	X	X																			
51841C	5501672241	NERT5.91S1-20210715	550-167224-1	07/15/21	Stage 2A	Water				X										X	X				X			
51841D	5501672971	PC-157A-20210716	550-167297-1	07/16/21	Stage 2A	Water		X	X	X					X					X	X				X			
51841D	5501672971	PC-157A-20210716-TB32	550-167297-2	07/16/21	Stage 2A	Water	TB	X	X																			
51841D	5501672971	PC-157B-20210716	550-167297-3	07/16/21	Stage 2A	Water		X	X	X					X					X	X				X			
51841E	5501673541	PC-155A-20210719	550-167354-1	07/19/21	Stage 2A	Water		X	X	X					X					X	X				X			
51841E	5501673541	PC-155A-20210719-TB33	550-167354-2	07/19/21	Stage 2A	Water	TB	X	X																			
51841E	5501673541	PC-155B-20210719	550-167354-3	07/19/21	Stage 2A	Water		X	X	X					X					X	X				X			
51841F	5501676381	NERT5.49S1-20210722	550-167638-1	07/22/21	Stage 2A	Water				X										X	X				X			
51841F	5501676381	NERT5.49S1-20210722-FB26	550-167638-2	07/22/21	Stage 2A	Water	FB			X										X	X				X			
51841G	5501676911	PC-156A-20210723	550-167691-1	07/23/21	Stage 2A	Water		X	X	X					X					X	X				X			
51841G	5501676911	PC-156A-20210723-FB27	550-167691-2	07/23/21	Stage 2A	Water	FB	X	X	X					X					X	X				X			
51841G	5501676911	PC-156B-20210723	550-167691-3	07/23/21	Stage 2A	Water		X	X	X					X					X	X				X			
51841G	5501676911	PC-156B-20210723-TB34	550-167691-4	07/23/21	Stage 2A	Water	TB	X	X																			
51841G	5501676911	AA-30-20210723	550-167691-5	7/23/2021	Stage 2A	Water				X										X	X				X			

Table II. Stage 2A Validation Elements

Quality Control Elements	Stage 2A		
	VOCs	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	√	√	√
Project Quantitation Limits (QLs)[1]	√	√	√
Multiple Results for One Sample	√	√	√
Compound Quantitation/ Sample Result Verification	-	-	-
Overall Data Usability Assessment	√	√	√

√ = Reviewed for Stage 2A review
N/A = Not applicable to method or not performed during this sampling event
- = Not applicable for Stage 2A review
[1]PQLs verified for all methods.

Table III. Stage 2A Validation Percentages

Parameter	Stage 2A Results	Total Results	Stage 2A (%)
VOC	19,886	19,886	100
VOC-SIM	652	652	100
Metals	752	752	100
Hexavalent Chromium	399	399	100
Chloride, Nitrate-N, Nitrite-N, and Sulfate	683	683	100
Nitrate/Nitrite-N and Total Inorganic Nitrogen - Calculation	4	4	100
Chlorate	997	997	100
Perchlorate	1,007	1,007	100
Ammonia-N	2	2	100
Total Recoverable Phenolics	4	4	100
Conductivity	4	4	100
TDS	935	935	100
TOC	4	4	100
TOX	4	4	100

Table IV. Reason Codes and Definitions

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

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator	Qualification Finding	Acceptance Criteria	
5501644631	ARP-1-20210526	05/26/21	SW8260	106-46-7	1,4-Dichlorobenzene	1.7		0.22	0.50	ug/l	J+	s	Surrogate %R	135	70-130	%
5501644631	ARP-1-20210526	05/26/21	SW8260	95-50-1	1,2-Dichlorobenzene	0.94		0.26	0.50	ug/l	J+	s	Surrogate %R	135	70-130	%
5501644631	ARP-1-20210526	05/26/21	SW8260	79-01-6	Trichloroethene	0.34	J	0.26	0.50	ug/l	J	sp	< PQL			
5501644631	ARP-1-20210526	05/26/21	SW8260	541-73-1	1,3-Dichlorobenzene	0.24	J	0.23	0.50	ug/l	J	bl,bb,sp	Blank Contamination < PQL, <PQL	0.418	0.836	ug/l
5501645881	ARP-2A-20210528	05/28/21	E300	14797-55-8_N	Nitrate as N	8.9	H	0.014	0.050	mg/l	DNR	orr				
5501645881	ARP-2A-20210528	05/28/21	E200.7	7440-47-3	Chromium (total)	0.0021	J	0.00085	0.010	mg/l	J	sp	< PQL			
5501645881	ARP-2A-20210528-EB14	05/28/21	E300	14797-55-8_N	Nitrate as N		UH	0.014	0.050	mg/l	DNR	orr				
5501645881	ARP-3AB-20210528	05/28/21	E300	14797-55-8_N	Nitrate as N	8.5	H	0.014	0.050	mg/l	DNR	orr				
5501645881	ARP-3AB-20210528	05/28/21	E200.7	7440-47-3	Chromium (total)	0.0020	J	0.00085	0.010	mg/l	J	sp	< PQL			
5501645881	ARP-5A-20210528	05/28/21	SW8260	127-18-4	Tetrachloroethene	0.32	J	0.30	0.50	ug/l	J	sp	< PQL			
5501645881	ARP-6B-20210528	05/28/21	SW8260BSIM	123-91-1	1,4-Dioxane	0.31	J	0.27	1.4	ug/l	J	sp	< PQL			
5501645881	ARP-6B-20210528	05/28/21	E300	14797-55-8_N	Nitrate as N	17	H	0.014	0.050	mg/l	DNR	orr				
5501645881	ARP-6B-20210528	05/28/21	SW8260BSIM	96-18-4	1,2,3-Trichloropropane	0.0093	J	0.0038	0.020	ug/l	J	sp	< PQL			
5501645881	ARP-6B-20210528	05/28/21	SW8260	79-01-6	Trichloroethene	0.34	J	0.26	0.50	ug/l	J	sp	< PQL			
5501645881	ARP-7-20210528	05/28/21	SW8260	79-01-6	Trichloroethene	0.28	J	0.26	0.50	ug/l	J	sp	< PQL			
5501645881	ARP-7-20210528	05/28/21	SW8260BSIM	96-18-4	1,2,3-Trichloropropane	0.010	J	0.0038	0.020	ug/l	J	sp	< PQL			
5501645881	ARP-7-20210528	05/28/21	SW8260BSIM	123-91-1	1,4-Dioxane	0.27	J	0.27	1.4	ug/l	J	sp	< PQL			
5501645881	ARP-7-20210528-FB14	05/28/21	E200.7	7440-47-3	Chromium (total)	0.0023	J	0.00085	0.010	mg/l	J	sp	< PQL			
5501613321	ART-1A-20210406	04/06/21	E300.1	14866-68-3	Chlorate	1300		240	1000	ug/l	J+	m	MS/MSD %R	202, 218	75-125	%
5501577931	ART-2/2A-20210203	02/03/21	E200.7	7440-47-3	Chromium (total)	0.0010	J	0.00085	0.010	mg/l	J	sp	< PQL			
5501613321	ART-2/2A-20210406	04/06/21	E300.1	14866-68-3	Chlorate	6100		240	1000	ug/l	J+	m	MS/MSD %R	202, 218	75-125	%
5501636661	ART-2/2A-20210512	05/12/21	E314.0	14797-73-0	Perchlorate	12000		630	2000	ug/l	J+	m	MS/MSD %R	122, 123	80-120	%
5501636661	ART-2/2A-20210512-FD	05/12/21	E314.0	14797-73-0	Perchlorate	12000		630	2000	ug/l	J+	m	MS/MSD %R	122, 123	80-120	%
5501636661	ART-3A-20210512	05/12/21	E314.0	14797-73-0	Perchlorate	210000		6300	20000	ug/l	J+	m	MS/MSD %R	122, 123	80-120	%
5501636661	ART-3A-20210512	05/12/21	E300.1	14866-68-3	Chlorate	190000		4900	20000	ug/l	J	m,ld	MS/MSD %R, RPD	-, -31; 44	75-125; ≤25	%
5501636661	ART-4-20210512	05/12/21	E314.0	14797-73-0	Perchlorate	130000		6300	20000	ug/l	J+	m	MS/MSD %R	122, 123	80-120	%
5501645431	ART-6-20210527	05/27/21	SW8260	74-87-3	Chloromethane	0.40	J*1	0.40	1.0	ug/l	J	sp	< PQL			
5501645431	ART-6-20210527	05/27/21	SW8260BSIM	96-18-4	1,2,3-Trichloropropane	0.011	J	0.0038	0.020	ug/l	J	sp	< PQL			
5501645431	ART-6-20210527	05/27/21	SW8260	56-23-5	Carbon Tetrachloride	0.37	J	0.28	0.50	ug/l	J	sp	< PQL			
5501636661	ART-7B-20210512	05/12/21	E314.0	14797-73-0	Perchlorate	82000		630	2000	ug/l	J+	m	MS/MSD %R	122, 123	80-120	%
5501651671	ART-7B-20210609-EB	06/09/21	E300	14797-55-8_N	Nitrate as N	0.015	J	0.014	0.050	mg/l	J	sp	< PQL			
5501651671	ART-7B-20210609-EB	06/09/21	E300.1	14866-68-3	Chlorate	6.5	J	4.9	20	ug/l	J	sp	< PQL			
5501594131	ART-8A-20210302	03/02/21	E300	14797-55-8_N	Nitrate as N	15	cn	0.014	0.050	mg/l	J	fd	FD RPD	56	≤30	%
5501594131	ART-8A-20210302	03/02/21	E300.1	14866-68-3	Chlorate	30000	cn	2400	10000	ug/l	J	fd	FD RPD	62	≤30	%
5501594131	ART-8A-20210302 FD	03/02/21	E300.1	14866-68-3	Chlorate	57000		2400	10000	ug/l	J	fd	FD RPD	62	≤30	%
5501594131	ART-8A-20210302 FD	03/02/21	E300	14797-55-8_N	Nitrate as N	8.4		0.014	0.050	mg/l	J	fd	FD RPD	56	≤30	%
5501636661	ART-8A-20210512	05/12/21	E314.0	14797-73-0	Perchlorate	79000		630	2000	ug/l	J+	m	MS/MSD %R	122, 123	80-120	%
5501563131	ART-9-20210113	01/13/21	E300	14797-55-8_N	Nitrate as N	22	E	0.014	0.050	mg/l	J	e	Exceeded calibration range			
5501594131	ART-9-20210302 EB	03/02/21	E314.0	14797-73-0	Perchlorate	0.36	J	0.31	1.0	ug/l	J	sp	< PQL			
5501594131	ART-9-20210302 EB	03/02/21	E300.1	14866-68-3	Chlorate	6.6	J	4.9	20	ug/l	J	sp	< PQL			
5501636661	ART-9-20210512	05/12/21	E314.0	14797-73-0	Perchlorate	160000		6300	20000	ug/l	J+	m	MS/MSD %R	122, 123	80-120	%
5501589241	C1-E-0.0-20210215	02/15/21	SM2540C	TDS	Dissolved Solids (total)	3500	H3D	40	40	mg/l	J-	h	Holding Time	11	7	Days
5501589241	C1-E-0.0-20210215	02/15/21	E300.1	14866-68-3	Chlorate	4800		240	1000	ug/l	J+	m	MS/MSD %R	188,145	75-125	%
5501589241	C1-W-0.0-20210215	02/15/21	E300.1	14866-68-3	Chlorate	4400		240	1000	ug/l	J+	m	MS/MSD %R	188,145	75-125	%
5501589241	C1-W-0.0-20210215	02/15/21	SM2540C	TDS	Dissolved Solids (total)	3600	H3D	40	40	mg/l	J-	h	Holding Time	11	7	Days
5501626911	DBMW-14-20210427-EB21	04/27/21	E300.1	14866-68-3	Chlorate	7.0	J	4.9	20	ug/l	J	sp	< PQL			
5501631851	DBMW-4-20210504-EB22	05/04/21	E314.0	14797-73-0	Perchlorate	0.95	J	0.31	1.0	ug/l	J	sp	< PQL			
5501631851	DBMW-4-20210504-EB22	05/04/21	E300.1	14866-68-3	Chlorate	8.2	J	4.9	20	ug/l	J	sp	< PQL			
5501630371	DFW-03-20210503	05/03/21	SW8260	108-88-3	Toluene	0.33	JB	0.28	0.50	ug/l	J	bl,ba,sp	Blank Contamination > PQL, <PQL	0.674	1.3	ug/l
5501630371	DFW-03-20210503	05/03/21	SW8260BSIM	123-91-1	1,4-Dioxane	0.86	J	0.27	1.4	ug/l	J	bt,bb,sp	TB Contamination < PQL; < PQL	0.48	0.96	ug/l
5501630371	DFW-03-20210503-TB14	05/03/21	SW8260	108-88-3	Toluene	0.45	J	0.28	0.50	ug/l	J	bl,ba,sp	Blank Contamination > PQL, <PQL	0.674	1.3	ug/l
5501630371	DFW-03-20210503-TB14	05/03/21	SW8260BSIM	123-91-1	1,4-Dioxane	0.41	J	0.27	1.4	ug/l	J	sp	< PQL			
5501630371	DFW-04-20210503	05/03/21	SW8260	108-88-3	Toluene	0.28	JB	0.28	0.50	ug/l	J	bl,ba,sp	Blank Contamination > PQL, <PQL	0.674	1.3	ug/l
5501630371	DFW-04-20210503	05/03/21	SW8260BSIM	123-91-1	1,4-Dioxane	0.44	J	0.27	1.4	ug/l	J	bt,bb,sp	TB Contamination < PQL; < PQL	0.48	0.96	ug/l
5501630371	DFW-04-20210503	05/03/21	SW8260	79-01-6	Trichloroethene	0.34	J	0.26	0.50	ug/l	J	sp	< PQL			
5501630371	DFW-05-20210503	05/03/21	SW8260	108-88-3	Toluene	0.29	JB	0.28	0.50	ug/l	J	bl,ba,sp	Blank Contamination > PQL, <PQL	0.674	1.3	ug/l
5501632681	DFW-06-20210505	05/05/21	SW8260BSIM	123-91-1	1,4-Dioxane	0.64	J	0.27	1.4	ug/l	J	sp	< PQL			
5501632681	DFW-06-20210505	05/05/21	E300.1	14866-68-3	Chlorate	630000		49000	200000	ug/l	J+	m	MS/MSD %R	147, 138	75-125	%

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator	Qualification Finding	Acceptance Criteria	
5501583651	E1-1-20210211	02/11/21	E300.1	14866-68-3	Chlorate	29000		490	2000	ug/l	J-	m	MS/MSD %R	17, 8	75-125	%
5501634942	E1-1-20210510	05/10/21	E300.1	14866-68-3	Chlorate	32000	Hcn	980	4000	ug/l	DNR	orr				
5501634942	E1-1-20210510	05/10/21	E300.1	14866-68-3	Chlorate	31000	Hcn	980	4000	ug/l	DNR	orr				
5501652541	E1-1-20210610	06/10/21	E218.6	18540-29-9	Chromium VI	76	F1	0.20	1.0	ug/l	J+	m	MS/MSD %R	212, 204	90-110	%
5501652541	E1-1-20210610-EB	06/10/21	E314.0	14797-73-0	Perchlorate	0.58	J	0.31	1.0	ug/l	J	sp	< PQL			
5501583651	E1-2-20210211	02/11/21	E300.1	14866-68-3	Chlorate	160000		4900	20000	ug/l	J-	m	MS/MSD %R	17, 8	75-125	%
5501652541	E1-2-20210610	06/10/21	E218.6	18540-29-9	Chromium VI	600		4.0	20	ug/l	J+	m	MS/MSD %R	212, 204	90-110	%
5501583651	E1-3-20210211	02/11/21	E300	14797-55-8_N	Nitrate as N	79		0.55	1.1	mg/l	J-	m	MS/MSD %R	61, 61	80-120	%
5501583651	E1-3-20210211	02/11/21	E300.1	14866-68-3	Chlorate	200000		4900	20000	ug/l	J-	m	MS/MSD %R	17, 8	75-125	%
5501634942	E1-3-20210510	05/10/21	E300.1	14866-68-3	Chlorate	200000	Hcn	4900	20000	ug/l	DNR	orr				
5501634942	E1-3-20210510	05/10/21	E300.1	14866-68-3	Chlorate	200000	Hcn	4900	20000	ug/l	DNR	orr				
5501652541	E1-3-20210610	06/10/21	E218.6	18540-29-9	Chromium VI	1100		4.0	20	ug/l	J+	m	MS/MSD %R	212, 204	90-110	%
5501583651	E2-1-20210211	02/11/21	E300	14797-55-8_N	Nitrate as N	13		0.11	0.22	mg/l	J-	m	MS/MSD %R	61, 61	80-120	%
5501583651	E2-1-20210211	02/11/21	E300.1	14866-68-3	Chlorate	15000		240	1000	ug/l	J-	m	MS/MSD %R	17, 8	75-125	%
5501612291	E2-1-20210405	04/05/21	E300.1	14866-68-3	Chlorate	8100		490	2000	ug/l	J	fd	FD RPD	39	≤30	%
5501612291	E2-1-20210405-FD	04/05/21	E300.1	14866-68-3	Chlorate	12000		240	1000	ug/l	J	m,fd	MS/MSD %R, FD RPD	202, 218; 39	75-125; ≤30	%
5501652541	E2-1-20210610	06/10/21	E218.6	18540-29-9	Chromium VI	31		0.20	1.0	ug/l	J+	m	MS/MSD %R	212, 204	90-110	%
5501583651	E2-2-20210211	02/11/21	E300.1	14866-68-3	Chlorate	14000		240	1000	ug/l	J-	m	MS/MSD %R	17, 8	75-125	%
5501639062	E2-2-20210517	05/17/21	E300	14797-55-8_N	Nitrate as N	20	Hcn	0.014	0.050	mg/l	DNR	orr				
5501652541	E2-2-20210610	06/10/21	E218.6	18540-29-9	Chromium VI	28		0.20	1.0	ug/l	J+	m	MS/MSD %R	212, 204	90-110	%
5501583651	E2-3-20210211	02/11/21	E300	14797-55-8_N	Nitrate as N	39		0.55	1.1	mg/l	J+	m	MS/MSD %R	153, 148	80-120	%
5501583651	E2-3-20210211	02/11/21	E300.1	14866-68-3	Chlorate	33000		490	2000	ug/l	J-	m	MS/MSD %R	17, 8	75-125	%
5501612291	E2-3-20210405	04/05/21	E300.1	14866-68-3	Chlorate	13000	F1	490	2000	ug/l	J+	m	MS/MSD %R	202, 218	75-125	%
5501652541	E2-3-20210610	06/10/21	E218.6	18540-29-9	Chromium VI	85		0.20	1.0	ug/l	J+	m	MS/MSD %R	212, 204	90-110	%
5501566041	E2-4-20210118 -EB	01/18/21	E300	14797-55-8_N	Nitrate as N		UHcn	0.014	0.050	mg/l	DNR	orr				
5501583651	E2-4-20210211	02/11/21	E300	14797-55-8_N	Nitrate as N	64		0.55	1.1	mg/l	J+	m	MS/MSD %R	153, 148	80-120	%
5501612291	E2-4-20210405	04/05/21	E300.1	14866-68-3	Chlorate	13000		490	2000	ug/l	J+	m	MS/MSD %R	202, 218	75-125	%
5501634941	E2-4-20210510-EB	05/10/21	E300	14797-55-8_N	Nitrate as N	0.014	J	0.014	0.050	mg/l	J	sp	< PQL			
5501634941	E2-4-20210510-EB	05/10/21	E300.1	14866-68-3	Chlorate	7.0	J	4.9	20	ug/l	J	sp	< PQL			
5501652541	E2-4-20210610	06/10/21	E300.1	14866-68-3	Chlorate	30000	F1	490	2000	ug/l	J+	m	MS/MSD %R	135, 132	75-125	%
5501652541	E2-4-20210610	06/10/21	E218.6	18540-29-9	Chromium VI	76		1.0	5.0	ug/l	J+	m	MS/MSD %R	212, 204	90-110	%
5501612291	E2-5-20210405	04/05/21	E300.1	14866-68-3	Chlorate	29000		980	4000	ug/l	J+	m	MS/MSD %R	202, 218	75-125	%
5501652541	E2-5-20210610	06/10/21	E218.6	18540-29-9	Chromium VI	250		2.0	10	ug/l	J+	m	MS/MSD %R	212, 204	90-110	%
5501652541	E2-5-20210610	06/10/21	E300.1	14866-68-3	Chlorate	71000		980	4000	ug/l	J+	m	MS/MSD %R	135, 132	75-125	%
5501652541	E2-5-20210610-FD	06/10/21	E300.1	14866-68-3	Chlorate	72000		980	4000	ug/l	J+	m	MS/MSD %R	135, 132	75-125	%
5501652541	E2-5-20210610-FD	06/10/21	E218.6	18540-29-9	Chromium VI	270		2.0	10	ug/l	J+	m	MS/MSD %R	212, 204	90-110	%
5501627751	ES-10-20210428	04/28/21	E314.0	14797-73-0	Perchlorate	5900		63	200	ug/l	J-	m	MS/MSD %R	50, 56	80-120	%
5501627751	ES-10-20210428	04/28/21	E300.1	14866-68-3	Chlorate	1400		240	1000	ug/l	J+	m	MS/MSD %R	-, 131	75-125	%
5501626911	ES-18-20210427	04/27/21	E300.1	14866-68-3	Chlorate	34	J	24	100	ug/l	J	sp	< PQL			
5501626911	ES-23B-20210427	04/27/21	E300.1	14866-68-3	Chlorate	17	J	4.9	20	ug/l	J	sp	< PQL			
5501630371	ES-26-20210503	05/03/21	E300.1	14866-68-3	Chlorate	3900		240	1000	ug/l	J+	m	MS/MSD %R	140, 135	75-125	%
5501630371	ES-26-20210503	05/03/21	E200.7	7440-47-3	Chromium (total)	0.0081	J	0.00085	0.010	mg/l	J	sp	< PQL			
5501625951	ES-27-20210426	04/26/21	E300.1	14866-68-3	Chlorate	77	J	24	100	ug/l	J	sp	< PQL			
5501633751	ES-28-20210506	05/06/21	E300.1	14866-68-3	Chlorate	84	J	24	100	ug/l	J	sp	< PQL			
5501625951	ES-47-20210426	04/26/21	E200.7	7440-47-3	Chromium (total)	0.0091	J	0.00085	0.010	mg/l	J	sp	< PQL			
5501625951	ES-47-20210426-FD20	04/26/21	E300.1	14866-68-3	Chlorate	2200		240	1000	ug/l	J+	m	MS/MSD %R	135,-	75-125	%
5501625951	ES-47-20210426-FD20	04/26/21	E200.7	7440-47-3	Chromium (total)	0.0091	J	0.00085	0.010	mg/l	J	sp	< PQL			
5501625951	ES-48-20210426	04/26/21	E300.1	14866-68-3	Chlorate	1200		240	1000	ug/l	J+	m	MS/MSD %R	135,-	75-125	%
5501625951	ES-48-20210426	04/26/21	E200.7	7440-47-3	Chromium (total)	0.0029	J	0.00085	0.010	mg/l	J	sp	< PQL			
5501625951	ES-49-20210426	04/26/21	E200.7	7440-47-3	Chromium (total)	0.0036	J	0.00085	0.010	mg/l	J	sp	< PQL			
5501625951	ES-51-20210426	04/26/21	E200.7	7440-47-3	Chromium (total)	0.0094	J	0.00085	0.010	mg/l	J	sp	< PQL			
5501625951	ES-51-20210426	04/26/21	E300.1	14866-68-3	Chlorate	63	J	24	100	ug/l	J+	m,sp	MS/MSD %R, < PQL	135,-	75-125	%
5501625951	ES-52-20210426	04/26/21	E300.1	14866-68-3	Chlorate	210		24	100	ug/l	J+	m	MS/MSD %R	135,-	75-125	%
5501625951	ES-52-20210426	04/26/21	E200.7	7440-47-3	Chromium (total)	0.0078	J	0.00085	0.010	mg/l	J	sp	< PQL			
5501627751	ES-8A-20210428	04/28/21	E300.1	14866-68-3	Chlorate	17000		490	2000	ug/l	J+	m	MS/MSD %R	129, 131	75-125	%
5501631851	ES-9-20210504	05/04/21	E300.1	14866-68-3	Chlorate	88	JD	49	200	ug/l	J	sp	< PQL			
5501634441	H-28A-20210507	05/07/21	SW8260BSIM	123-91-1	1,4-Dioxane	1.1	J	0.27	1.4	ug/l	J	bt,bb,sp	TB Contamination < PQL; < PQL	0.34	0.68	ug/l
5501627751	H-56R-20210428	04/28/21	E300.1	14866-68-3	Chlorate	1300		240	1000	ug/l	J+	m	MS/MSD %R	-, 131	75-125	%

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator	Qualification Finding	Acceptance Criteria	
5501627751	H-56R-20210428	04/28/21	SW8260BSIM	123-91-1	1,4-Dioxane	0.30	J	0.27	1.4	ug/l	J	bt,bb,sp	TB Contamination < PQL; < PQL	0.53	1.1	ug/l
5501627751	H-56R-20210428	04/28/21	SW8260	541-73-1	1,3-Dichlorobenzene	0.27	J	0.23	0.50	ug/l	J	sp	< PQL			
5501627751	H-56R-20210428	04/28/21	SW8260	95-63-6	1,2,4-Trimethylbenzene	0.40	J	0.30	0.50	ug/l	J	bt,ba,bf,bb,sp	TB Contamination > PQL, FB Contamination < PQL, <PQL	8.6; 1.7; 0.34	17.2; 3.4; 0.68	ug/l
5501627751	H-56R-20210428	04/28/21	SW8260	108-88-3	Toluene	0.36	J	0.28	0.50	ug/l	J	bt,ba,bf,bb,sp	TB Contamination > PQL, FB Contamination < PQL, <PQL	3.9; 4.5; 0.28	7.8; 9.0; 0.56	ug/l
5501627751	H-56R-20210428	04/28/21	SW8260	179601-23-1	m,p-xylene	0.47	J	0.34	1.0	ug/l	J	bt,ba,bf,bb,sp	TB Contamination > PQL, FB Contamination < PQL, <PQL	6.8; 1.8; 0.43	13.6; 3.6; 0.86	ug/l
5501627751	H-56R-20210428	04/28/21	SW8260	75-34-3	1,1-Dichloroethane	0.48	J	0.23	0.50	ug/l	J	sp	< PQL			
5501627751	H-56R-20210428	04/28/21	SW8260	67-66-3	Chloroform	0.26	J	0.21	0.50	ug/l	J	sp	< PQL			
5501627751	H-56R-20210428	04/28/21	SW8260	98-06-6	tert-Butylbenzene	0.38	JB	0.29	0.50	ug/l	J	bt,bf,bl,bb,sp	Blank, TB and FB Contamination < PQL, < PQL	0.379; 0.42; 1.2; 0.37	0.758; 0.84; 2.4; 0.74	ug/l
5501627751	H-56R-20210428-FB5	04/28/21	E300.1	14866-68-3	Chlorate	7.3	J	4.9	20	ug/l	J	sp	< PQL			
5501627751	H-56R-20210428-FB5	04/28/21	SW8260	95-63-6	1,2,4-Trimethylbenzene	0.34	J	0.30	0.50	ug/l	J	bt,ba,sp	TB Contamination > PQL, <PQL	8.6; 1.7	17.2; 3.4	ug/l
5501627751	H-56R-20210428-FB5	04/28/21	SW8260	98-06-6	tert-Butylbenzene	0.37	JB	0.29	0.50	ug/l	J	bt,bl,bb,sp	Blank and TB Contamination < PQL, < PQL	0.379; 0.42; 1.2	0.758; 0.84; 2.4	ug/l
5501627751	H-56R-20210428-FB5	04/28/21	SW8260	179601-23-1	m,p-xylene	0.43	J	0.34	1.0	ug/l	J	bt,ba,sp	TB Contamination > PQL, <PQL	6.8; 1.8	13.6; 3.6	ug/l
5501627751	H-56R-20210428-FB5	04/28/21	SW8260	108-88-3	Toluene	0.28	J	0.28	0.50	ug/l	J	bt,ba,sp	TB Contamination > PQL, <PQL	3.9; 4.5	7.8; 9.0	ug/l
5501627751	H-58R-20210428	04/28/21	E300.1	14866-68-3	Chlorate	7300		240	1000	ug/l	J+	m	MS/MSD %R	129, 131	75-125	%
5501627751	H-58R-20210428	04/28/21	SW8260	108-90-7	Chlorobenzene	0.28	J	0.23	0.50	ug/l	J	sp	< PQL			
5501627751	H-58R-20210428	04/28/21	SW8260BSIM	123-91-1	1,4-Dioxane	0.61	J	0.27	1.4	ug/l	J	bt,bb,sp	TB Contamination < PQL; < PQL	0.53	1.1	ug/l
5501645431	HMW-13-20210527	05/27/21	E300	14797-55-8_N	Nitrate as N	0.017	J	0.014	0.050	mg/l	J	sp	< PQL			
5501645431	HMW-14-20210527	05/27/21	E300.1	14866-68-3	Chlorate	79	J	49	200	ug/l	J	sp	< PQL			
5501645431	HMW-14-20210527	05/27/21	SW8260	106-46-7	1,4-Dichlorobenzene	0.41	J	0.22	0.50	ug/l	J	sp	< PQL			
5501645431	HMW-14-20210527-FB16	05/27/21	SW8260	108-88-3	Toluene	0.28	J	0.28	0.50	ug/l	J	sp	< PQL			
5501645431	HMW-16-20210527	05/27/21	SW8260	127-18-4	Tetrachloroethene	0.46	J	0.30	0.50	ug/l	J	sp	< PQL			
5501561961	I-AB-20210112	01/12/21	E300	14797-55-8_N	Nitrate as N	34	Ecn	0.014	0.050	mg/l	DNR	orr				
5501561961	I-AB-20210112	01/12/21	E300	14797-55-8_N	Nitrate as N	38	Hcn	0.14	0.50	mg/l	J-	h	Holding Time	616.62	48	Hours
5501599961	I-AB-20210311	03/11/21	E300	14797-55-8_N	Nitrate as N	30	E	0.014	0.050	mg/l	DNR	orr				
5501599961	I-AB-20210311	03/11/21	E300	14797-55-8_N	Nitrate as N	30	H	0.070	0.25	mg/l	J-	h	Holding Time	141.65	48	Hours
5501583641	I-AC-20210211	02/11/21	E300.1	14866-68-3	Chlorate	540000		24000	100000	ug/l	J-	m	MS/MSD %R	17, 8	75-125	%
5501637761	I-AC-20210513	05/13/21	E300.1	14866-68-3	Chlorate	460000	F1	24000	100000	ug/l	J-	m	MS/MSD %R	47, 45	75-125	%
5501564291	I-AD-20210114	01/14/21	E300	14797-55-8_N	Nitrate as N	11		0.014	0.050	mg/l	J+	m	MS/MSD %R	-, 126	80-120	%
5501583641	I-AD-20210211	02/11/21	E300.1	14866-68-3	Chlorate	540000		24000	100000	ug/l	J-	m	MS/MSD %R	17, 8	75-125	%
5501637761	I-AD-20210513	05/13/21	E300.1	14866-68-3	Chlorate	600000		24000	100000	ug/l	J-	m	MS/MSD %R	47, 45	75-125	%
5501581831	I-AR-20210209	02/09/21	E300.1	14866-68-3	Chlorate	210000		9800	40000	ug/l	J-	m	MS/MSD %R	17, 8	75-125	%
5501636001	I-AR-20210511	05/11/21	E300	14797-55-8_N	Nitrate as N	57		0.070	0.25	mg/l	J+	m	MS/MSD %R	-, 129	80-120	%
5501648321	I-AR-20210603	06/03/21	SM2540C	TDS	Dissolved Solids (total)	3900	D	100	100	mg/l	J	ld	DUP RPD	14	≤10	%
5501561961	I-B-20210112	01/12/21	E300	14797-55-8_N	Nitrate as N	59	Ecn	0.014	0.050	mg/l	DNR	orr				
5501561961	I-B-20210112	01/12/21	E300	14797-55-8_N	Nitrate as N	73	Hcn	0.14	0.50	mg/l	J-	h	Holding Time	671.97	48	Hours
5501599191	I-C-20210310	03/10/21	E300.1	14866-68-3	Chlorate	650000	D	49000	200000	ug/l	J-	m	MS/MSD %R	36,-	75-125	%
5501599191	I-D-20210310	03/10/21	E300.1	14866-68-3	Chlorate	1100000	D	49000	200000	ug/l	J-	m	MS/MSD %R	36,-	75-125	%
5501610811	I-D-20210401	04/01/21	E300.1	14866-68-3	Chlorate	1100000		49000	200000	ug/l	J	m,ld	MS/MSD %R, RPD	44,-112; 52	75-125; ≤25	%
5501599191	I-E-20210310	03/10/21	E300.1	14866-68-3	Chlorate	1500000	D	49000	200000	ug/l	J-	m	MS/MSD %R	36,-	75-125	%
5501610811	I-E-20210401	04/01/21	E300.1	14866-68-3	Chlorate	1600000		49000	200000	ug/l	J	m,ld	MS/MSD %R, RPD	44,-112; 52	75-125; ≤25	%
5501599191	I-F-20210310	03/10/21	E300.1	14866-68-3	Chlorate	3800000	D	49000	200000	ug/l	J-	m	MS/MSD %R	36,-	75-125	%
5501610811	I-F-20210401	04/01/21	E300.1	14866-68-3	Chlorate	2500000		49000	200000	ug/l	J	m,ld	MS/MSD %R, RPD	44,-112; 52	75-125; ≤25	%
5501610821	I-G-2021 04 01	04/01/21	E300.1	14866-68-3	Chlorate	1500000		49000	200000	ug/l	J	m,ld	MS/MSD %R, RPD	44,-112; 52	75-125; ≤25	%
5501564301	I-G-20210114	01/14/21	E300	14797-55-8_N	Nitrate as N	68		0.28	1.0	mg/l	J+	m	MS/MSD %R	-, 126	80-120	%
5501637801	I-G-20210513	05/13/21	E300.1	14866-68-3	Chlorate	2500000	F1F2	49000	200000	ug/l	J	m,ld	MS/MSD %R, RPD	-, -31; 44	75-125; ≤25	%
5501564301	I-H-20210114	01/14/21	E300	14797-55-8_N	Nitrate as N	100	F1	0.28	1.0	mg/l	J+	m	MS/MSD %R	-, 126	80-120	%
5501564291	I-I-20210114	01/14/21	E300	14797-55-8_N	Nitrate as N	18		0.28	1.0	mg/l	J+	m	MS/MSD %R	-, 126	80-120	%
5501583641	I-I-20210211	02/11/21	E300	14797-55-8_N	Nitrate as N	7.5		0.55	1.1	mg/l	J-	m	MS/MSD %R	61, 61	80-120	%
5501583641	I-I-20210211	02/11/21	E300.1	14866-68-3	Chlorate	2600000	F1	49000	200000	ug/l	J-	m	MS/MSD %R	17, 8	75-125	%
5501564291	I-J-20210114	01/14/21	E300	14797-55-8_N	Nitrate as N	7.7		0.014	0.050	mg/l	J+	m	MS/MSD %R	-, 126	80-120	%
5501583641	I-J-20210211	02/11/21	E300	14797-55-8_N	Nitrate as N	3.3	F1	0.55	1.1	mg/l	J-	m	MS/MSD %R	61, 61	80-120	%
5501583641	I-J-20210211	02/11/21	E300.1	14866-68-3	Chlorate	920000		24000	100000	ug/l	J-	m	MS/MSD %R	17, 8	75-125	%
5501637761	I-J-20210513	05/13/21	E300.1	14866-68-3	Chlorate	330000		24000	100000	ug/l	J-	m	MS/MSD %R	47, 45	75-125	%
5501564291	I-K-20210114	01/14/21	E300	14797-55-8_N	Nitrate as N	11		0.014	0.050	mg/l	J+	m	MS/MSD %R	-, 126	80-120	%
5501583641	I-K-20210211	02/11/21	E300.1	14866-68-3	Chlorate	750000		24000	100000	ug/l	J-	m	MS/MSD %R	17, 8	75-125	%
5501561961	I-L-20210112-EB	01/12/21	E200.7	7440-47-3	Chromium (total)	0.0041	J	0.00085	0.010	mg/l	J	sp	< PQL			
5501581831	I-L-20210209	02/09/21	E300.1	14866-68-3	Chlorate	400000		4900	20000	ug/l	J-	m	MS/MSD %R	17, 8	75-125	%
5501599191	I-M-20210310	03/10/21	E300.1	14866-68-3	Chlorate	680000	D	49000	200000	ug/l	J-	m	MS/MSD %R	36,-	75-125	%

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator	Qualification Finding	Acceptance Criteria	
5501610811	I-M-20210401	04/01/21	E300.1	14866-68-3	Chlorate	1100000		49000	200000	ug/l	J	m,ld	MS/MSD %R, RPD	44,-112; 52	75-125; ≤25	%
5501581821	I-N-20210209-EB	02/09/21	E300.1	14866-68-3	Chlorate	11	J	4.9	20	ug/l	J	sp	< PQL			
5501581821	I-N-20210209-EB	02/09/21	E200.7	7440-47-3	Chromium (total)	0.0044	J	0.00085	0.010	mg/l	J	sp	< PQL			
5501581821	I-N-20210209-EB	02/09/21	E300	14797-55-8_N	Nitrate as N		U	0.014	0.050	mg/l	UJ	h	Holding Time	48.38	48	Hours
5501599191	I-N-20210310	03/10/21	E300.1	14866-68-3	Chlorate	1700000	D	49000	200000	ug/l	J-	m	MS/MSD %R	36,-	75-125	%
5501610811	I-N-20210401	04/01/21	E300.1	14866-68-3	Chlorate	1600000		49000	200000	ug/l	J	m,ld	MS/MSD %R, RPD	44,-112; 52	75-125; ≤25	%
5501580701	I-O-20210208	02/08/21	E300.1	14866-68-3	Chlorate	2200000	F1	49000	200000	ug/l	J+	m	MS/MSD %R	136, 135	75-125	%
5501599171	I-O-20210310 FD	03/10/21	E300.1	14866-68-3	Chlorate	2400000	DF1	49000	200000	ug/l	J-	m	MS/MSD %R	36,-	75-125	%
5501637801	I-O-20210513	05/13/21	E300.1	14866-68-3	Chlorate	810000		49000	200000	ug/l	J	m,ld	MS/MSD %R, RPD	-, -31; 44	75-125; ≤25	%
5501599171	I-P-20210310 EB	03/10/21	E300	14797-55-8_N	Nitrate as N		UH	0.014	0.050	mg/l	R	h	Holding Time	176.27	48	Hours
5501610821	I-Q-2021 04 01	04/01/21	E300.1	14866-68-3	Chlorate	2200000		49000	200000	ug/l	J	m,ld	MS/MSD %R, RPD	44,-112; 52	75-125; ≤25	%
5501564301	I-Q-20210114	01/14/21	E300	14797-55-8_N	Nitrate as N	71		0.28	1.0	mg/l	J+	m	MS/MSD %R	-, 126	80-120	%
5501581831	I-S-20210209	02/09/21	E300.1	14866-68-3	Chlorate	440000		9800	40000	ug/l	J-	m	MS/MSD %R	17, 8	75-125	%
5501636001	I-S-20210511	05/11/21	E300.1	14866-68-3	Chlorate	410000		98000	400000	ug/l	J-	m	MS/MSD %R	47, 45	75-125	%
5501636001	I-S-20210511	05/11/21	E300	14797-55-8_N	Nitrate as N	46		0.070	0.25	mg/l	J+	m	MS/MSD %R	-, 129	80-120	%
5501636001	I-S-20210511-FD	05/11/21	E300	14797-55-8_N	Nitrate as N	46		0.070	0.25	mg/l	J+	m	MS/MSD %R	-, 129	80-120	%
5501636001	I-S-20210511-FD	05/11/21	E300.1	14866-68-3	Chlorate	490000		98000	400000	ug/l	J-	m	MS/MSD %R	47, 45	75-125	%
5501564301	I-T-20210114	01/14/21	E300	14797-55-8_N	Nitrate as N	78		0.28	1.0	mg/l	J+	m	MS/MSD %R	-, 126	80-120	%
5501564301	I-U-20210114	01/14/21	E300	14797-55-8_N	Nitrate as N	87		0.14	0.50	mg/l	J+	m	MS/MSD %R	-, 126	80-120	%
5501564291	I-V-20210114	01/14/21	E300	14797-55-8_N	Nitrate as N	35		0.28	1.0	mg/l	J+	m	MS/MSD %R	-, 126	80-120	%
5501583641	I-V-20210211	02/11/21	E300	14797-55-8_N	Nitrate as N	26	F1	0.55	1.1	mg/l	J+	m	MS/MSD %R	153, 148	80-120	%
5501583641	I-V-20210211	02/11/21	E300.1	14866-68-3	Chlorate	2200000		49000	200000	ug/l	J-	m	MS/MSD %R	17, 8	75-125	%
5501599951	I-V-20210311	03/11/21	E300	14797-55-8_N	Nitrate as N	26	E	0.014	0.050	mg/l	DNR	orr				
5501599951	I-V-20210311	03/11/21	E300	14797-55-8_N	Nitrate as N	25	H	0.070	0.25	mg/l	J-	h	Holding Time	142.42	48	Hours
5501637761	I-V-20210513	05/13/21	E300	14797-55-8_N	Nitrate as N	22	E	0.014	0.050	mg/l	DNR	orr				
5501637761	I-V-20210513	05/13/21	E300	14797-55-8_N	Nitrate as N	23	HF1	0.070	0.25	mg/l	J-	h	Holding Time	101.88	48	Hours
5501654991	I-V-20210615-EB	06/15/21	E200.7	7440-47-3	Chromium (total)	0.0020	J	0.00085	0.010	mg/l	J	sp	< PQL			
5501654991	I-V-20210615-EB	06/15/21	E314.0	14797-73-0	Perchlorate	0.65	J	0.31	1.0	ug/l	J	sp	< PQL			
5501564301	I-W-20210114	01/14/21	E300	14797-55-8_N	Nitrate as N	94		0.28	1.0	mg/l	J+	m	MS/MSD %R	-, 126	80-120	%
5501580701	I-W-20210208	02/08/21	E300.1	14866-68-3	Chlorate	1500000	F1	98000	400000	ug/l	J+	m	MS/MSD %R	188, 145	75-125	%
5501599191	I-X-20210310	03/10/21	E300.1	14866-68-3	Chlorate	2500000	D	49000	200000	ug/l	J-	m	MS/MSD %R	36,-	75-125	%
5501610811	I-X-20210401	04/01/21	E300.1	14866-68-3	Chlorate	3300000	F2F1	49000	200000	ug/l	J	m,ld	MS/MSD %R, RPD	44,-112; 52	75-125; ≤25	%
5501583641	I-Z-20210211	02/11/21	E300	14797-55-8_N	Nitrate as N	4.4		0.55	1.1	mg/l	J-	m	MS/MSD %R	61, 61	80-120	%
5501583641	I-Z-20210211	02/11/21	E300.1	14866-68-3	Chlorate	1400000		24000	100000	ug/l	J-	m	MS/MSD %R	17, 8	75-125	%
5501637761	I-Z-20210513	05/13/21	E300.1	14866-68-3	Chlorate	690000		24000	100000	ug/l	J-	m	MS/MSD %R	47, 45	75-125	%
5501569161	LVW0.55-1.0-20210120	01/20/21	E300.1	14866-68-3	Chlorate	99	JF1cn	24	100	ug/l	J-	m	MS/MSD %R	44,46; 68,-	75-125	%
5501589241	LVW0.55-1.0-20210215	02/15/21	E300.1	14866-68-3	Chlorate	92		9.8	40	ug/l	J-	m	MS/MSD %R	-,72; 47,48	75-125	%
5501589241	LVW0.55-1.0-20210215	02/15/21	SM2540C	TDS	Dissolved Solids (total)	1300	H3	20	20	mg/l	J-	h	Holding Time	11	7	Days
5501589241	LVW0.55-1.0-20210215-FD	02/15/21	SM2540C	TDS	Dissolved Solids (total)	1200	H3	20	20	mg/l	J-	h	Holding Time	11	7	Days
5501589241	LVW0.55-1.0-20210215-FD	02/15/21	E300.1	14866-68-3	Chlorate	91		9.8	40	ug/l	J-	m	MS/MSD %R	-,72; 47,48	75-125	%
5501634461	LVW0.55-1.1-20210507	05/07/21	E300.1	14866-68-3	Chlorate	150		24	100	ug/l	J	m,ld	MS/MSD %R, RPD	149, 49; 60	75-125; ≤25	%
5501589241	LVW0.55-20210215-FB	02/15/21	SM2540C	TDS	Dissolved Solids (total)		UH3	20	20	mg/l	UJ	h	Holding Time	11	7	Days
5501621241	LVW0.55-20210416-FB	04/16/21	E300.1	14866-68-3	Chlorate	6.2	J	4.9	20	ug/l	J	sp	< PQL			
5501634461	LVW3.5-1-1.3-20210507	05/07/21	E300.1	14866-68-3	Chlorate	160		24	100	ug/l	J	m,ld	MS/MSD %R, RPD	149, 49; 60	75-125; ≤25	%
5501589241	LVW3.5-1-1.4-20210216	02/16/21	E300.1	14866-68-3	Chlorate	130		24	100	ug/l	J-	m	MS/MSD %R	-,72; 47,48	75-125	%
5501589241	LVW3.5-2-1.0-20210216	02/16/21	E300.1	14866-68-3	Chlorate	96	J	24	100	ug/l	J	sp	< PQL			
5501634461	LVW3.5-2-1.0-20210507	05/07/21	E300.1	14866-68-3	Chlorate	340	F2F1	24	100	ug/l	J	m,ld	MS/MSD %R, RPD	149, 49; 60	75-125; ≤25	%
5501589241	LVW3.5-3-1.6-20210216	02/16/21	E300.1	14866-68-3	Chlorate	93	J	24	100	ug/l	J	sp	< PQL			
5501569161	LVW3.5-3-1.7-20210120	01/20/21	E300.1	14866-68-3	Chlorate	92		9.8	40	ug/l	J+	s	Surrogate %R	323	90-115	%
5501634461	LVW3.5-3-1.7-20210507	05/07/21	E300.1	14866-68-3	Chlorate	160		24	100	ug/l	J	m,ld	MS/MSD %R, RPD	149, 49; 60	75-125; ≤25	%
5501634461	LVW3.5-4-1.8-20210507	05/07/21	E300.1	14866-68-3	Chlorate	160		24	100	ug/l	J	m,ld	MS/MSD %R, RPD	149, 49; 60	75-125; ≤25	%
5501634461	LVW3.5-5-1.8-20210507	05/07/21	E300.1	14866-68-3	Chlorate	160		24	100	ug/l	J	m,ld	MS/MSD %R, RPD	149, 49; 60	75-125; ≤25	%
5501589241	LVW3.5-6-1.7-20210216	02/16/21	E300.1	14866-68-3	Chlorate	88		9.8	40	ug/l	J+	s	Surrogate %R	250	90-115	%
5501634461	LVW3.5-6-1.8-20210507	05/07/21	E300.1	14866-68-3	Chlorate	140		9.8	40	ug/l	J	m,ld	MS/MSD %R, RPD	149, 49; 60	75-125; ≤25	%
5501589241	LVW4.2-1-1.5-20210216	02/16/21	E300.1	14866-68-3	Chlorate	140		9.8	40	ug/l	J-	m	MS/MSD %R	-,72; 47,48	75-125	%
5501634461	LVW4.2-1-1.8-20210507	05/07/21	E300.1	14866-68-3	Chlorate	170		9.8	40	ug/l	J	m,ld	MS/MSD %R, RPD	149, 49; 60	75-125; ≤25	%
5501589241	LVW4.2-2-2.0-20210216	02/16/21	E300.1	14866-68-3	Chlorate	140		24	100	ug/l	J-	m	MS/MSD %R	-,72; 47,48	75-125	%
5501634461	LVW4.2-2-2.4-20210507	05/07/21	E300.1	14866-68-3	Chlorate	190		24	100	ug/l	J	m,ld	MS/MSD %R, RPD	149, 49; 60	75-125; ≤25	%

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator	Qualification Finding	Acceptance Criteria	
5501569161	LVW4.2-3-2.8-20210120	01/20/21	E300.1	14866-68-3	Chlorate	74		9.8	40	ug/l	J+	s	Surrogate %R	199	90-115	%
5501634461	LVW4.2-3-3.3-20210507	05/07/21	E300.1	14866-68-3	Chlorate	290		24	100	ug/l	J	m,ld	MS/MSD %R, RPD	149, 49; 60	75-125; ≤25	%
5501589241	LVW4.2-3-3.5-20210216	02/16/21	E300.1	14866-68-3	Chlorate	82		9.8	40	ug/l	J-	m	MS/MSD %R	-,72; 47,48	75-125	%
5501569161	LVW4.2-4-1.6-20210120	01/20/21	E300.1	14866-68-3	Chlorate	68	J	24	100	ug/l	J-	m	MS/MSD %R	44,46; 68,-	75-125	%
5501589241	LVW4.2-4-1.6-20210216	02/16/21	E300.1	14866-68-3	Chlorate	75	J	24	100	ug/l	J-	m,sp	MS/MSD %R, < PQL	-,72; 47,48	75-125	%
5501634461	LVW4.2-4-2.2-20210507	05/07/21	E300.1	14866-68-3	Chlorate	130		24	100	ug/l	J	m,ld	MS/MSD %R, RPD	149, 49; 60	75-125; ≤25	%
5501589241	LVW4.75-1-0.8-20210216	02/16/21	E300.1	14866-68-3	Chlorate	130		9.8	40	ug/l	J-	m	MS/MSD %R	-,72; 47,48	75-125	%
5501589241	LVW4.75-2-1.2-20210216	02/16/21	E300.1	14866-68-3	Chlorate	120		9.8	40	ug/l	J-	m	MS/MSD %R	-,72; 47,48	75-125	%
5501589241	LVW4.75-3-0.8-20210216	02/16/21	E300.1	14866-68-3	Chlorate	92	JF1	24	100	ug/l	J-	m,sp	MS/MSD %R, < PQL	-,72; 47,48	75-125	%
5501569161	LVW4.75-4-1.1-20210120	01/20/21	E300.1	14866-68-3	Chlorate	82	J	24	100	ug/l	J-	m	MS/MSD %R	44,46; 68,-	75-125	%
5501589241	LVW4.75-4-1.3-20210216	02/16/21	E300.1	14866-68-3	Chlorate	74	J	24	100	ug/l	J-	m,sp	MS/MSD %R, < PQL	-,72; 47,48	75-125	%
5501569161	LVW4.75-5-0.9-20210120	01/20/21	E300.1	14866-68-3	Chlorate	81	JF1	24	100	ug/l	J-	m	MS/MSD %R	44,46; 68,-	75-125	%
5501589241	LVW4.75-5-1.0-20210216	02/16/21	E300.1	14866-68-3	Chlorate	73	J	24	100	ug/l	J-	m,sp	MS/MSD %R, < PQL	-,72; 47,48	75-125	%
5501634461	LVW5.3-1-2.6-20210507	05/07/21	E300.1	14866-68-3	Chlorate	140		24	100	ug/l	J	m,ld	MS/MSD %R, RPD	149, 49; 60	75-125; ≤25	%
5501589241	LVW5.3-1-3.0-20210215	02/15/21	E300.1	14866-68-3	Chlorate	48		9.8	40	ug/l	J+	m	MS/MSD %R	188,145	75-125	%
5501589241	LVW5.3-1-3.0-20210215	02/15/21	SM2540C	TDS	Dissolved Solids (total)	1300	H3	20	20	mg/l	J-	h	Holding Time	11	7	Days
5501634461	LVW5.3-2-0.6-20210507	05/07/21	E300.1	14866-68-3	Chlorate	130	J	49	200	ug/l	J	sp	< PQL			
5501589241	LVW5.3-2-0.9-20210215	02/15/21	SM2540C	TDS	Dissolved Solids (total)	1300	H3	20	20	mg/l	J-	h	Holding Time	11	7	Days
5501589241	LVW5.3-2-0.9-20210215	02/15/21	E300.1	14866-68-3	Chlorate	40		9.8	40	ug/l	J+	m	MS/MSD %R	188,145	75-125	%
5501589241	LVW5.3-3-0.8-20210215	02/15/21	E300.1	14866-68-3	Chlorate	43		9.8	40	ug/l	J+	m	MS/MSD %R	188,145	75-125	%
5501589241	LVW5.3-3-0.8-20210215	02/15/21	SM2540C	TDS	Dissolved Solids (total)	1400	H3	20	20	mg/l	J-	h	Holding Time	11	7	Days
5501589241	LVW5.3-4-0.4-20210215	02/15/21	SM2540C	TDS	Dissolved Solids (total)	1300	H3	20	20	mg/l	J-	h	Holding Time	11	7	Days
5501589241	LVW5.3-4-0.4-20210215	02/15/21	E300.1	14866-68-3	Chlorate	50	F1	9.8	40	ug/l	J-	m	MS/MSD %R	-,72; 47,48	75-125	%
5501589241	LVW5.3-5-0.5-20210215	02/15/21	E300.1	14866-68-3	Chlorate	110		9.8	40	ug/l	J-	m	MS/MSD %R	-,72; 47,48	75-125	%
5501589241	LVW5.3-5-0.5-20210215	02/15/21	SM2540C	TDS	Dissolved Solids (total)	1300	H3	20	20	mg/l	J-	h	Holding Time	11	7	Days
5501569161	LVW5.3-6-0.7-20210119	01/19/21	E300.1	14866-68-3	Chlorate	88	J	24	100	ug/l	J	sp	< PQL			
5501589241	LVW5.3-6-0.8-20210215	02/15/21	SM2540C	TDS	Dissolved Solids (total)	1200	H3	20	20	mg/l	J-	h	Holding Time	11	7	Days
5501589241	LVW5.3-6-0.8-20210215	02/15/21	E300.1	14866-68-3	Chlorate	48		9.8	40	ug/l	J-	m	MS/MSD %R	-,72; 47,48	75-125	%
5501569161	LVW6.05-0.6-20210119	01/19/21	E300.1	14866-68-3	Chlorate	78	J	24	100	ug/l	J	sp	< PQL			
5501569161	LVW6.05-0.6-20210119-FD	01/19/21	E300.1	14866-68-3	Chlorate	80	J	24	100	ug/l	J	sp	< PQL			
5501589241	LVW6.05-1.0-20210215	02/15/21	E300.1	14866-68-3	Chlorate	37	J	9.8	40	ug/l	J+	m,sp	MS/MSD %R, < PQL	188,145	75-125	%
5501589241	LVW6.05-1.0-20210215	02/15/21	SM2540C	TDS	Dissolved Solids (total)	1400	H3	20	20	mg/l	J-	h	Holding Time	11	7	Days
5501589241	LVW6.05-1.0-20210215-FD	02/15/21	E300.1	14866-68-3	Chlorate	39	J	9.8	40	ug/l	J+	m,sp	MS/MSD %R, < PQL	188,145	75-125	%
5501589241	LVW6.05-1.0-20210215-FD	02/15/21	SM2540C	TDS	Dissolved Solids (total)	1400	H3	20	20	mg/l	J-	h	Holding Time	11	7	Days
5501589241	LVW6.05-20210215-FB	02/15/21	SM2540C	TDS	Dissolved Solids (total)		UH3	20	20	mg/l	UJ	h	Holding Time	11	7	Days
5501589241	LVW6.05-20210215-FB	02/15/21	E314.0	14797-73-0	Perchlorate	0.40	J	0.31	1.0	ug/l	J	sp	< PQL			
5501569161	LVW6.6-1-1.2-20210119	01/19/21	E300.1	14866-68-3	Chlorate	85	J	24	100	ug/l	J	sp	< PQL			
5501589241	LVW6.6-1-1.5-20210215	02/15/21	E300.1	14866-68-3	Chlorate	54		9.8	40	ug/l	J+	m	MS/MSD %R	188,145	75-125	%
5501589241	LVW6.6-1-1.5-20210215	02/15/21	SM2540C	TDS	Dissolved Solids (total)	1400	H3	20	20	mg/l	J-	h	Holding Time	11	7	Days
5501589241	LVW6.6-2-2.7-20210215	02/15/21	SM2540C	TDS	Dissolved Solids (total)	1300	H3	20	20	mg/l	J-	h	Holding Time	11	7	Days
5501589241	LVW6.6-2-2.7-20210215	02/15/21	E300.1	14866-68-3	Chlorate	34	J	9.8	40	ug/l	J+	m,sp	MS/MSD %R, < PQL	188,145	75-125	%
5501569161	LVW6.6-2-2.9-20210119	01/19/21	E314.0	14797-73-0	Perchlorate	0.47	J	0.31	1.0	ug/l	J	sp	< PQL			
5501569161	LVW6.6-2-2.9-20210119	01/19/21	E300.1	14866-68-3	Chlorate	84	J	24	100	ug/l	J	sp	< PQL			
5501589241	LVW6.6-3-0.8-20210215	02/15/21	E300.1	14866-68-3	Chlorate	31	J	9.8	40	ug/l	J+	m,sp	MS/MSD %R, < PQL	188,145	75-125	%
5501589241	LVW6.6-3-0.8-20210215	02/15/21	SM2540C	TDS	Dissolved Solids (total)	1200	H3	20	20	mg/l	J-	h	Holding Time	11	7	Days
5501569161	LVW7.2-1.0-20210119	01/19/21	E314.0	14797-73-0	Perchlorate	0.79	J	0.31	1.0	ug/l	J	sp	< PQL			
5501569161	LVW7.2-1.0-20210119	01/19/21	E300.1	14866-68-3	Chlorate	98	J	24	100	ug/l	J	sp	< PQL			
5501569161	LVW7.2-1.0-20210119-FD	01/19/21	E300.1	14866-68-3	Chlorate	98	J	24	100	ug/l	J	sp	< PQL			
5501569161	LVW7.2-1.0-20210119-FD	01/19/21	E314.0	14797-73-0	Perchlorate	0.80	J	0.31	1.0	ug/l	J	sp	< PQL			
5501634461	LVW7.2-1.0-20210506	05/06/21	E300.1	14866-68-3	Chlorate	90	J	24	100	ug/l	J	sp	< PQL			
5501634461	LVW7.2-1.0-20210506-FD	05/06/21	E300.1	14866-68-3	Chlorate	94	J	24	100	ug/l	J	sp	< PQL			
5501589241	LVW7.2-1.1-20210215	02/15/21	SM2540C	TDS	Dissolved Solids (total)	1200	H3	20	20	mg/l	J-	h	Holding Time	11	7	Days
5501589241	LVW7.2-1.1-20210215	02/15/21	E300.1	14866-68-3	Chlorate	56	J	24	100	ug/l	J+	m,sp	MS/MSD %R, < PQL	188,145	75-125	%
5501589241	LVW7.2-1.1-20210215-FD	02/15/21	E300.1	14866-68-3	Chlorate	60	J	24	100	ug/l	J+	m,sp	MS/MSD %R, < PQL	188,145	75-125	%
5501589241	LVW7.2-1.1-20210215-FD	02/15/21	SM2540C	TDS	Dissolved Solids (total)	1200	H3	20	20	mg/l	J-	h	Holding Time	11	7	Days
5501589241	LVW8.85-0.4-20210215	02/15/21	SM2540C	TDS	Dissolved Solids (total)	1100	H3	20	20	mg/l	J-	h	Holding Time	11	7	Days
5501589241	LVW8.85-0.4-20210215	02/15/21	E300.1	14866-68-3	Chlorate	59	J	24	100	ug/l	J+	m,sp	MS/MSD %R, < PQL	188,145	75-125	%
5501569161	LVW8.85-0.6-20210119	01/19/21	E300.1	14866-68-3	Chlorate	78	J	24	100	ug/l	J	sp	< PQL			

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator	Qualification Finding	Acceptance Criteria	
5501621241	LVW8.85-0.7-20210416	04/16/21	E314.0	14797-73-0	Perchlorate	0.80	J	0.31	1.0	ug/l	J	sp	< PQL			
5501626911	LVWPS-MW102A-20210427-FB19	04/27/21	E300.1	14866-68-3	Chlorate	6.9	J	4.9	20	ug/l	J	sp	< PQL			
5501625951	LVWPS-MW102B-20210426	04/26/21	E300.1	14866-68-3	Chlorate	260	J	98	400	ug/l	J	be,bb,sp	EB Contamination < PQL, <PQL	50	50	ug/l
5501625951	LVWPS-MW102B-20210426-EB18	04/26/21	E300.1	14866-68-3	Chlorate	50	J	24	100	ug/l	J	sp	< PQL			
5501625951	LVWPS-MW105-20210426	04/26/21	E300.1	14866-68-3	Chlorate	45000		980	4000	ug/l	J+	m	MS/MSD %R	135,-	75-125	%
5501625951	LVWPS-MW105-20210426-FD19	04/26/21	E300.1	14866-68-3	Chlorate	45000	F1	980	4000	ug/l	J+	m	MS/MSD %R	135,-	75-125	%
5501632681	LVWPS-MW201A-20210505	05/05/21	E300.1	14866-68-3	Chlorate	9500		240	1000	ug/l	J+	m	MS/MSD %R	147, 138	75-125	%
5501632681	LVWPS-MW201B-20210505	05/05/21	E300.1	14866-68-3	Chlorate	660	F1	98	400	ug/l	J+	m	MS/MSD %R	147, 138	75-125	%
5501625951	LVWPS-MW224B-20210426	04/26/21	E200.7	7440-47-3	Chromium (total)	0.0021	J	0.00085	0.010	mg/l	J	sp	< PQL			
5501625951	LVWPS-MW224B-20210426-FD18	04/26/21	E200.7	7440-47-3	Chromium (total)	0.00092	J	0.00085	0.010	mg/l	J	sp	< PQL			
5501588071	M-10-20210218	02/18/21	E300	16887-00-6	Chloride	270	F1	2.6	10	mg/l	J-	m	MS/MSD %R	64, 59	80-120	%
5501588071	M-10-20210218	02/18/21	E200.7	7782-49-2	Selenium	0.0074	JB	0.0025	0.10	mg/l	J	bl,bb,sp	Blank Contamination < PQL, <PQL	0.00303	0.00303	mg/l
5501588071	M-10-20210218	02/18/21	E314.0	14797-73-0	Perchlorate	110	J	63	200	ug/l	J	sp	< PQL			
5501588071	M-10-20210218	02/18/21	E200.7	7440-47-3	Chromium (total)	0.0036	J	0.00085	0.010	mg/l	J	sp	< PQL			
5501588071	M-10-20210218	02/18/21	E200.7	7440-38-2	Arsenic	0.022	J	0.0039	0.10	mg/l	J	sp	< PQL			
5501636621	M-10-20210512	05/12/21	E200.7	7440-38-2	Arsenic	0.016	J	0.0039	0.10	mg/l	J	sp	< PQL			
5501636621	M-10-20210512	05/12/21	E200.7	7782-49-2	Selenium	0.0066	JB	0.0025	0.10	mg/l	J	bl,bb,sp	Blank Contamination < PQL, <PQL	0.00448	0.00448	mg/l
5501631851	M-103R-20210504	05/04/21	SW8260	75-27-4	Bromodichloromethane	0.31	J	0.23	0.50	ug/l	J	sp	< PQL			
5501587001	M-11-20210217-EB4	02/17/21	E200.7	7440-47-3	Chromium (total)	0.0023	JB	0.00085	0.010	mg/l	J	bl,bb,sp	Blank Contamination < PQL, <PQL	0.00113	0.00113	mg/l
5501629241	M-11-20210430	04/30/21	SW8260BSIM	123-91-1	1,4-Dioxane	0.80	J	0.27	1.4	ug/l	J	bt,ba,sp	TB Contamination > PQL, <PQL	2.1	4.2	ug/l
5501629241	M-11-20210430	04/30/21	E218.6	18540-29-9	Chromium VI	990	H	25	100	ug/l	DNR	orr				
5501629241	M-11-20210430	04/30/21	SW8260BSIM	96-18-4	1,2,3-Trichloropropane	0.0096	J	0.0038	0.020	ug/l	J	sp	< PQL			
5501629241	M-11-20210430-FB4	04/30/21	E218.6	18540-29-9	Chromium VI		UH	0.25	1.0	ug/l	DNR	orr				
5501636021	M-115-20210511	05/11/21	SW8260	127-18-4	Tetrachloroethene	0.36	J	0.30	0.50	ug/l	J	sp	< PQL			
5501636021	M-115-20210511	05/11/21	SW8260BSIM	123-91-1	1,4-Dioxane	0.93	J	0.27	1.4	ug/l	J	sp	< PQL			
5501636021	M-115-20210511	05/11/21	E300	14797-55-8_N	Nitrate as N	7.9	F1	0.014	0.050	mg/l	J+	m	MS/MSD %R	-, 129	80-120	%
5501631851	M-117-20210504	05/04/21	SW8260	106-46-7	1,4-Dichlorobenzene	0.23	J	0.22	0.50	ug/l	J	sp	< PQL			
5501630371	M-118-20210503-FB10	05/03/21	SW8260BSIM	123-91-1	1,4-Dioxane	0.57	J	0.27	1.4	ug/l	J	sp	< PQL			
5501630371	M-118-20210503-FB10	05/03/21	E300.1	14866-68-3	Chlorate	6.9	J	4.9	20	ug/l	J	sp	< PQL			
5501631851	M-120-20210504	05/04/21	E200.7	7440-47-3	Chromium (total)	0.0057	J	0.00085	0.010	mg/l	J	sp	< PQL			
5501631851	M-121-20210504	05/04/21	SW8260BSIM	96-18-4	1,2,3-Trichloropropane		U	0.0038	0.020	ug/l	UJ	vh	Headspace in containers			
5501631851	M-121-20210504	05/04/21	SW8260BSIM	123-91-1	1,4-Dioxane		U	0.27	1.4	ug/l	UJ	vh	Headspace in containers			
5501631851	M-121-20210504-FD11	05/04/21	SW8260BSIM	123-91-1	1,4-Dioxane		U	0.27	1.4	ug/l	UJ	vh	Headspace in containers			
5501631851	M-121-20210504-FD11	05/04/21	SW8260BSIM	96-18-4	1,2,3-Trichloropropane		U	0.0038	0.020	ug/l	UJ	vh	Headspace in containers			
5501632681	M-123-20210505	05/05/21	SW8260BSIM	123-91-1	1,4-Dioxane	0.43	J	0.27	1.4	ug/l	J	sp	< PQL			
5501632681	M-123-20210505	05/05/21	E200.7	7440-47-3	Chromium (total)	0.0088	J	0.00085	0.010	mg/l	J	sp	< PQL			
5501632681	M-123-20210505	05/05/21	SW8260	75-69-4	Trichlorofluoromethane	24	JD	21	50	ug/l	J	sp	< PQL			
5501632681	M-124-20210505	05/05/21	SW8260	108-90-7	Chlorobenzene	0.66	JD	0.45	1.0	ug/l	J	sp	< PQL			
5501632681	M-124-20210505	05/05/21	SW8260BSIM	123-91-1	1,4-Dioxane	0.43	J	0.27	1.4	ug/l	J	sp	< PQL			
5501629241	M-125-20210430	04/30/21	SW8260BSIM	123-91-1	1,4-Dioxane	0.42	J	0.27	1.4	ug/l	J	bt,ba,sp	TB Contamination > PQL, <PQL	2.1	4.2	ug/l
5501628641	M-126-20210429	04/29/21	SW8260BSIM	123-91-1	1,4-Dioxane	0.61	J	0.27	1.4	ug/l	J	bt,bb,sp	TB Contamination < PQL; < PQL	1.1	2.2	ug/l
5501628641	M-126-20210429	04/29/21	SW8260	87-61-6	1,2,3-Trichlorobenzene		U	29	60	ug/l	UJ	l	LCS %R	-,64	70-130	%
5501628641	M-126-20210429	04/29/21	SW8260BSIM	96-18-4	1,2,3-Trichloropropane	0.019	J	0.0038	0.020	ug/l	J	sp	< PQL			
5501629241	M-129-20210430	04/30/21	SW8260BSIM	123-91-1	1,4-Dioxane	0.82	J	0.27	1.4	ug/l	J	bt,ba,sp	TB Contamination > PQL, <PQL	2.1	4.2	ug/l
5501629241	M-129-20210430	04/30/21	SW8260	95-50-1	1,2-Dichlorobenzene	0.49	J	0.26	0.50	ug/l	J	sp	< PQL			
5501587001	M-12A-20210217-FB4	02/17/21	E200.7	7440-47-3	Chromium (total)	0.0056	JB	0.00085	0.010	mg/l	J	bl,bb,sp	Blank Contamination < PQL, <PQL	0.00113	0.00113	mg/l
5501627751	M-12A-20210428	04/28/21	SW8260BSIM	96-18-4	1,2,3-Trichloropropane	0.012	J	0.0038	0.020	ug/l	J	sp	< PQL			
5501627751	M-13-20210428	04/28/21	E300.1	14866-68-3	Chlorate	7000		240	1000	ug/l	J+	m	MS/MSD %R	129, 131	75-125	%
5501627751	M-13-20210428	04/28/21	SW8260	75-34-3	1,1-Dichloroethane	0.43	J	0.23	0.50	ug/l	J	sp	< PQL			
5501627751	M-13-20210428	04/28/21	E200.7	7440-47-3	Chromium (total)	0.0072	J	0.00085	0.010	mg/l	J	sp	< PQL			
5501636021	M-132-20210511	05/11/21	SW8260	541-73-1	1,3-Dichlorobenzene	0.28	J	0.23	0.50	ug/l	J	sp	< PQL			
5501636021	M-132-20210511	05/11/21	SW8260	95-50-1	1,2-Dichlorobenzene	0.35	J	0.26	0.50	ug/l	J	sp	< PQL			
5501636021	M-132-20210511	05/11/21	SW8260BSIM	96-18-4	1,2,3-Trichloropropane	0.010	J	0.0038	0.020	ug/l	J	sp	< PQL			
5501636021	M-132-20210511	05/11/21	E300	14797-55-8_N	Nitrate as N	4.3		0.014	0.050	mg/l	J+	m	MS/MSD %R	-, 129	80-120	%
5501632681	M-133-20210505	05/05/21	E300.1	14866-68-3	Chlorate	370000		9800	40000	ug/l	J+	m	MS/MSD %R	147, 138	75-125	%
5501629241	M-134-20210430	04/30/21	SW8260BSIM	123-91-1	1,4-Dioxane	0.47	J	0.27	1.4	ug/l	J	bt,ba,sp	TB Contamination > PQL, <PQL	2.1	4.2	ug/l
5501629241	M-134-20210430	04/30/21	SW8260	79-01-6	Trichloroethene	0.41	J	0.26	0.50	ug/l	J	sp	< PQL			
5501633751	M-135-20210506	05/06/21	SW8260	75-27-4	Bromodichloromethane	0.25	J	0.23	0.50	ug/l	J	sp	< PQL			

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator	Qualification Finding	Acceptance Criteria	
5501633751	M-135-20210506	05/06/21	SW8260BSIM	123-91-1	1,4-Dioxane	0.30	J	0.27	1.4	ug/l	J	sp	< PQL			
5501633751	M-135-20210506	05/06/21	E300	14797-55-8_N	Nitrate as N	9.3		0.014	0.050	mg/l	J	m,ld,be,ba	MS/MSD %R, RPD, EB Contamination > PQL	77, -; 24; 2.0	80-120; ≤20; 2.0	%; mg/l
5501633751	M-135-20210506-EB12	05/06/21	SW8260BSIM	96-18-4	1,2,3-Trichloropropane		U	0.0038	0.020	ug/l	UJ	vh	Headspace in containers			
5501633751	M-135-20210506-EB12	05/06/21	SW8260BSIM	123-91-1	1,4-Dioxane		U	0.27	1.4	ug/l	UJ	vh	Headspace in containers			
5501626911	M-137-20210427	04/27/21	E300.1	14866-68-3	Chlorate	3700		240	1000	ug/l	J+	m	MS/MSD %R	135,-	75-125	%
5501626911	M-137-20210427	04/27/21	SW8260	75-27-4	Bromodichloromethane	0.45	J	0.23	0.50	ug/l	J	sp	< PQL			
5501626911	M-137-20210427-TB3	04/27/21	SW8260BSIM	123-91-1	1,4-Dioxane	0.39	J	0.27	1.4	ug/l	J	sp	< PQL			
5501626911	M-138-20210427	04/27/21	E300.1	14866-68-3	Chlorate	7300		240	1000	ug/l	J+	m	MS/MSD %R	135,-	75-125	%
5501629241	M-140-20210430	04/30/21	E300	14797-55-8_N	Nitrate as N	140	E	0.014	0.050	mg/l	DNR	orr				
5501629241	M-140-20210430	04/30/21	E300	14797-55-8_N	Nitrate as N	190	H	0.14	0.50	mg/l	J-	h	Holding Time	80.40	48	Hours
5501629241	M-140-20210430	04/30/21	SW8260	541-73-1	1,3-Dichlorobenzene	0.26	J	0.23	0.50	ug/l	J	sp	< PQL			
5501629241	M-140-20210430	04/30/21	SW8260BSIM	123-91-1	1,4-Dioxane	0.70	JB	0.27	1.4	ug/l	J	bt,ba,sp	TB Contamination > PQL, <PQL	2.1	4.2	ug/l
5501629241	M-140-20210430	04/30/21	E300.1	14866-68-3	Chlorate	330000		4900	20000	ug/l	J-	m	MS/MSD %R	73, -	75-125	%
5501629241	M-140-20210430	04/30/21	SW8260	100-42-5	Styrene		UF1	0.43	1.0	ug/l	UJ	m	MS/MSD %R	11,10	21-150	%
5501629241	M-140-20210430	04/30/21	SW8260	98-06-6	tert-Butylbenzene	0.42	JB	0.29	0.50	ug/l	J	bl,bb,sp	Blank Contamination < PQL, <PQL	0.368	0.736	ug/l
5501629241	M-141-20210430	04/30/21	SW8260BSIM	123-91-1	1,4-Dioxane	1.2	J	0.27	1.4	ug/l	J	bt,ba,sp	TB Contamination > PQL, <PQL	2.1	4.2	ug/l
5501634951	M-142-20210510	05/10/21	SW8260BSIM	123-91-1	1,4-Dioxane	0.28	J	0.27	1.4	ug/l	J	sp	< PQL			
5501626911	M-144-20210427	04/27/21	E300.1	14866-68-3	Chlorate	590000		9800	40000	ug/l	J+	m	MS/MSD %R	135,-	75-125	%
5501633751	M-145-20210506	05/06/21	SW8260BSIM	123-91-1	1,4-Dioxane		U	0.27	1.4	ug/l	UJ	vh	Headspace in containers			
5501633751	M-145-20210506	05/06/21	E300	14797-55-8_N	Nitrate as N	0.88	F2F1	0.014	0.050	mg/l	J	m,ld	MS/MSD %R, RPD	77, -; 24	80-120; ≤20	%
5501633751	M-145-20210506	05/06/21	SW8260	98-06-6	tert-Butylbenzene	0.31	J	0.29	0.50	ug/l	J	bl,bb,sp	Blank Contamination < PQL, <PQL	0.389	0.778	ug/l
5501633751	M-145-20210506	05/06/21	SW8260	67-66-3	Chloroform	0.44	J	0.21	0.50	ug/l	J	sp	< PQL			
5501633751	M-145-20210506	05/06/21	SW8260BSIM	96-18-4	1,2,3-Trichloropropane		U	0.0038	0.020	ug/l	UJ	vh	Headspace in containers			
5501634441	M-147-20210507	05/07/21	SW8260	127-18-4	Tetrachloroethene	0.48	J	0.30	0.50	ug/l	J	sp	< PQL			
5501634441	M-147-20210507	05/07/21	SW8260BSIM	123-91-1	1,4-Dioxane	0.74	JB	0.27	1.4	ug/l	J	bl,bb,bt,sp	Blank and TB Contamination < PQL, < PQL	0.363; 0.41	0.726; 0.82	ug/l
5501634441	M-147-20210507	05/07/21	SW8260BSIM	96-18-4	1,2,3-Trichloropropane	0.018	J	0.0038	0.020	ug/l	J	sp	< PQL			
5501637821	M-148A-20210513	05/13/21	SW8260BSIM	123-91-1	1,4-Dioxane	0.84	J	0.27	1.4	ug/l	J	sp	< PQL			
5501637821	M-148A-20210513	05/13/21	SW8260	67-66-3	Chloroform	5.2		0.21	0.50	ug/l	J	s,m	Surrogate %R, MS/MSD %R	131; 49,52	70-130; 69-138	%
5501637821	M-148A-20210513-TB22	05/13/21	SW8260	98-06-6	tert-Butylbenzene	0.34	J	0.29	0.50	ug/l	J	bl,bb,sp	Blank Contamination < PQL, <PQL	0.390	0.780	ug/l
5501633751	M-149-20210506	05/06/21	SW8260BSIM	96-18-4	1,2,3-Trichloropropane	0.012	J	0.0038	0.020	ug/l	J	sp	< PQL			
5501633751	M-149-20210506	05/06/21	SW8260	98-06-6	tert-Butylbenzene	0.38	J	0.29	0.50	ug/l	J	bl,bb,sp	Blank Contamination < PQL, <PQL	0.389	0.778	ug/l
5501632681	M-14A-20210505	05/05/21	SW8260BSIM	123-91-1	1,4-Dioxane	0.33	J	0.27	1.4	ug/l	J	sp	< PQL			
5501632681	M-14A-20210505	05/05/21	SW8260	179601-23-1	m,p-xylene	0.65	J	0.34	1.0	ug/l	J	sp	< PQL			
5501632681	M-14A-20210505-FB9	05/05/21	SW8260	108-88-3	Toluene	0.32	J	0.28	0.50	ug/l	J	sp	< PQL			
5501632681	M-14A-20210505-FB9	05/05/21	E300	14797-55-8_N	Nitrate as N	0.016	J	0.014	0.050	mg/l	J	sp	< PQL			
5501630371	M-150-20210503	05/03/21	SW8260	108-88-3	Toluene	0.40	JB	0.28	0.50	ug/l	J	bl,ba,sp	Blank Contamination > PQL, <PQL	0.674	1.3	ug/l
5501630371	M-150-20210503	05/03/21	E300.1	14866-68-3	Chlorate	51		4.9	20	ug/l	J+	m	MS/MSD %R	140, 135	75-125	%
5501630371	M-150-20210503	05/03/21	SW8260	95-50-1	1,2-Dichlorobenzene	0.27	J	0.26	0.50	ug/l	J	sp	< PQL			
5501630371	M-150-20210503-FD9	05/03/21	SW8260	108-88-3	Toluene	0.28	JB	0.28	0.50	ug/l	J	bl,ba,sp	Blank Contamination > PQL, <PQL	0.674	1.3	ug/l
5501636781	M-151-20210512	05/12/21	E300	14797-55-8_N	Nitrate as N	2.8		0.014	0.050	mg/l	J-	m	MS/MSD %R	-0.4, -0.3	80-120	%
5501633751	M-153-20210506	05/06/21	E300.1	14866-68-3	Chlorate	13	J	4.9	20	ug/l	J	sp	< PQL			
5501633751	M-153-20210506	05/06/21	E300	14797-55-8_N	Nitrate as N	1.6		0.014	0.050	mg/l	J	m,ld	MS/MSD %R, RPD	77, -; 24	80-120; ≤20	%
5501633751	M-153-20210506	05/06/21	SW8260	98-06-6	tert-Butylbenzene	0.34	J	0.29	0.50	ug/l	J	bl,bb,sp	Blank Contamination < PQL, <PQL	0.389	0.778	ug/l
5501628641	M-154-20210429	04/29/21	SW8260	87-61-6	1,2,3-Trichlorobenzene		U	1.4	3.0	ug/l	UJ	l	LCS %R	-,64	70-130	%
5501628641	M-154-20210429	04/29/21	E300.1	14866-68-3	Chlorate	8.0	J	4.9	20	ug/l	J	sp	< PQL			
5501628641	M-154-20210429	04/29/21	E314.0	14797-73-0	Perchlorate	0.99	J	0.31	1.0	ug/l	J	sp	< PQL			
5501636781	M-155-20210512	05/12/21	E300	14797-55-8_N	Nitrate as N	0.79	F1	0.014	0.050	mg/l	J-	m	MS/MSD %R	-0.4, -0.3	80-120	%
5501636781	M-155-20210512	05/12/21	SW8260BSIM	123-91-1	1,4-Dioxane	0.32	J	0.27	1.4	ug/l	J	sp	< PQL			
5501628641	M-156-20210429	04/29/21	E200.7	7440-47-3	Chromium (total)	0.0052	J	0.00085	0.010	mg/l	J	sp	< PQL			
5501629241	M-159-20210430	04/30/21	SW8260BSIM	123-91-1	1,4-Dioxane	0.60	J	0.27	1.4	ug/l	J	bt,ba,sp	TB Contamination > PQL, <PQL	2.1	4.2	ug/l
5501629241	M-160-20210430	04/30/21	SW8260BSIM	123-91-1	1,4-Dioxane	0.41	J	0.27	1.4	ug/l	J	bt,ba,sp	TB Contamination > PQL, <PQL	2.1	4.2	ug/l
5501629241	M-160-20210430	04/30/21	SW8260BSIM	96-18-4	1,2,3-Trichloropropane	0.013	J	0.0038	0.020	ug/l	J	sp	< PQL			
5501629241	M-160-20210430-FD12	04/30/21	SW8260BSIM	96-18-4	1,2,3-Trichloropropane	0.016	J	0.0038	0.020	ug/l	J	sp	< PQL			
5501629241	M-160-20210430-FD12	04/30/21	SW8260BSIM	123-91-1	1,4-Dioxane	0.51	J	0.27	1.4	ug/l	J	bt,ba,sp	TB Contamination > PQL, <PQL	2.1	4.2	ug/l
5501629241	M-161D-20210430	04/30/21	E200.7	7440-47-3	Chromium (total)	0.0087	J	0.00085	0.010	mg/l	J	bl,bb,sp	Blank Contamination < PQL, <PQL	0.00248	0.00248	mg/l
5501629241	M-161D-20210430	04/30/21	E300.1	14866-68-3	Chlorate	17	J	4.9	20	ug/l	J	sp	< PQL			
5501629241	M-162-20210430	04/30/21	SW8260BSIM	123-91-1	1,4-Dioxane	1.2	J	0.27	1.4	ug/l	J	bt,ba,sp	TB Contamination > PQL, <PQL	2.1	4.2	ug/l
5501629241	M-162D-20210430	04/30/21	SW8260BSIM	123-91-1	1,4-Dioxane	0.27	J	0.27	1.4	ug/l	J	bt,ba,sp	TB Contamination > PQL, <PQL	2.1	4.2	ug/l

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator	Qualification Finding	Acceptance Criteria	
5501632681	M-164-20210505	05/05/21	SW8260BSIM	123-91-1	1,4-Dioxane	0.57	J	0.27	1.4	ug/l	J	sp	< PQL			
5501632681	M-164-20210505	05/05/21	SW8260	108-90-7	Chlorobenzene	0.93	JD	0.45	1.0	ug/l	J	sp	< PQL			
5501632681	M-165-20210505	05/05/21	SW8260	98-06-6	tert-Butylbenzene	0.32	JB	0.29	0.50	ug/l	J	bl,bb,sp	Blank Contamination < PQL, <PQL	0.386	0.772	ug/l
5501632681	M-165-20210505	05/05/21	E300.1	14866-68-3	Chlorate	23		4.9	20	ug/l	J+	m	MS/MSD %R	147, 138	75-125	%
5501632681	M-165-20210505-EB13	05/05/21	E300.1	14866-68-3	Chlorate	18	J	4.9	20	ug/l	J	sp	< PQL			
5501632681	M-181-20210505	05/05/21	E300.1	14866-68-3	Chlorate	11	J	4.9	20	ug/l	J	sp	< PQL			
5501632681	M-181-20210505	05/05/21	SW8260	67-66-3	Chloroform	0.26	J	0.21	0.50	ug/l	J	sp	< PQL			
5501632681	M-182-20210505	05/05/21	E300.1	14866-68-3	Chlorate	390000		4900	20000	ug/l	J+	m	MS/MSD %R	147, 138	75-125	%
5501632681	M-182-20210505	05/05/21	SW8260BSIM	123-91-1	1,4-Dioxane	0.44	J	0.27	1.4	ug/l	J	sp	< PQL			
5501632681	M-182-20210505	05/05/21	SW8260	56-23-5	Carbon Tetrachloride	4.4	JD	2.8	5.0	ug/l	J	sp	< PQL			
5501637821	M-186D-20210513	05/13/21	SW8260BSIM	96-18-4	1,2,3-Trichloropropane		U	0.0038	0.020	ug/l	UJ	vh	Headspace in containers			
5501637821	M-186D-20210513	05/13/21	SW8260BSIM	123-91-1	1,4-Dioxane		U	0.27	1.4	ug/l	UJ	vh	Headspace in containers			
5501627751	M-191-20210428	04/28/21	E300.1	14866-68-3	Chlorate	4000000	F1	49000	200000	ug/l	J+	m	MS/MSD %R	133, 130	75-125	%
5501627751	M-191-20210428-TB4	04/28/21	SW8260BSIM	123-91-1	1,4-Dioxane	0.53	J	0.27	1.4	ug/l	J	sp	< PQL			
5501632681	M-19-20210505	05/05/21	SW8260	98-06-6	tert-Butylbenzene	0.33	JB	0.29	0.50	ug/l	J	bt,bl,bb,sp	Blank and TB Contamination < PQL, <PQL	0.386; 0.35	0.772; 0.70	ug/l
5501632681	M-19-20210505	05/05/21	E300.1	14866-68-3	Chlorate	140000		24000	100000	ug/l	J+	m	MS/MSD %R	147, 138	75-125	%
5501632681	M-19-20210505	05/05/21	SW8260BSIM	123-91-1	1,4-Dioxane	0.77	J	0.27	1.4	ug/l	J	sp	< PQL			
5501632681	M-19-20210505-TB19	05/05/21	SW8260	98-06-6	tert-Butylbenzene	0.35	J	0.29	0.50	ug/l	J	bl,bb,sp	Blank Contamination < PQL, <PQL	0.386	0.772	ug/l
5501628641	M-192-20210429	04/29/21	SW8260BSIM	123-91-1	1,4-Dioxane	0.30	J	0.27	1.4	ug/l	J	bt,bb,sp	TB Contamination < PQL; < PQL	1.1	2.2	ug/l
5501628641	M-192-20210429	04/29/21	SW8260	75-27-4	Bromodichloromethane	0.23	J	0.23	0.50	ug/l	J	sp	< PQL			
5501628641	M-193-20210429	04/29/21	SW8260BSIM	96-18-4	1,2,3-Trichloropropane	0.0064	J	0.0038	0.020	ug/l	J	sp	< PQL			
5501628641	M-193-20210429	04/29/21	SW8260	75-27-4	Bromodichloromethane	0.23	J	0.23	0.50	ug/l	J	sp	< PQL			
5501629241	M-204-20210430	04/30/21	E314.0	14797-73-0	Perchlorate	0.88	J	0.31	1.0	ug/l	J	sp	< PQL			
5501629241	M-206-20210430	04/30/21	SW8260	56-23-5	Carbon Tetrachloride	4.3	JD	2.8	5.0	ug/l	J	sp	< PQL			
5501629241	M-206-20210430	04/30/21	SW8260BSIM	123-91-1	1,4-Dioxane	0.63	J	0.27	1.4	ug/l	J	bt,ba,sp	TB Contamination > PQL, <PQL	2.1	4.2	ug/l
5501629241	M-207-20210430	04/30/21	SW8260BSIM	123-91-1	1,4-Dioxane	0.39	J	0.27	1.4	ug/l	J	bt,ba,sp	TB Contamination > PQL, <PQL	2.1	4.2	ug/l
5501629241	M-207-20210430	04/30/21	SW8260	56-23-5	Carbon Tetrachloride	3.4	JD	2.8	5.0	ug/l	J	sp	< PQL			
5501628641	M-208-20210429	04/29/21	SW8260BSIM	123-91-1	1,4-Dioxane	0.46	J	0.27	1.4	ug/l	J	bt,bb,sp	TB Contamination < PQL; < PQL	1.1	2.2	ug/l
5501628641	M-208-20210429	04/29/21	SW8260	541-73-1	1,3-Dichlorobenzene	0.71	Jcn	0.46	1.0	ug/l	J	sp	< PQL			
5501628641	M-208-20210429	04/29/21	SW8260	95-50-1	1,2-Dichlorobenzene	0.57	J	0.53	1.0	ug/l	J	sp	< PQL			
5501628641	M-210-20210429	04/29/21	SW8260BSIM	123-91-1	1,4-Dioxane	0.73	J	0.27	1.4	ug/l	J	bt,bb,sp	TB Contamination < PQL; < PQL	1.1	2.2	ug/l
5501628641	M-211-20210429-TB11	04/29/21	SW8260BSIM	123-91-1	1,4-Dioxane	1.1	J	0.27	1.4	ug/l	J	sp	< PQL			
5501628641	M-212-20210429	04/29/21	SW8260BSIM	96-18-4	1,2,3-Trichloropropane	0.019	J	0.0038	0.020	ug/l	J	sp	< PQL			
5501628641	M-212-20210429	04/29/21	SW8260	75-27-4	Bromodichloromethane	0.48	J	0.23	0.50	ug/l	J	sp	< PQL			
5501633751	M-214-20210506	05/06/21	SW8260BSIM	123-91-1	1,4-Dioxane	0.40	J	0.27	1.4	ug/l	J	sp	< PQL			
5501633751	M-214-20210506	05/06/21	E300	14797-55-8_N	Nitrate as N	30		0.070	0.25	mg/l	J	m,ld	MS/MSD %R, RPD	77, -; 24	80-120; ≤20	%
5501634441	M-220-20210507	05/07/21	SW8260BSIM	123-91-1	1,4-Dioxane	0.30	JB	0.27	1.4	ug/l	J	bl,bb,bt,sp	Blank and TB Contamination < PQL, < PQL	0.363; 0.41	0.726; 0.82	ug/l
5501629241	M-22A-20210430	04/30/21	E300	14797-55-8_N	Nitrate as N	50	E	0.014	0.050	mg/l	DNR	orr				
5501629241	M-22A-20210430	04/30/21	E300	14797-55-8_N	Nitrate as N	56	H	0.070	0.25	mg/l	J-	h	Holding Time	78.10	48	Hours
5501629241	M-22A-20210430	04/30/21	SW8260BSIM	123-91-1	1,4-Dioxane	0.55	J	0.27	1.4	ug/l	J	bt,ba,sp	TB Contamination > PQL, <PQL	2.1	4.2	ug/l
5501628641	M-23-20210429	04/29/21	SW8260BSIM	123-91-1	1,4-Dioxane	0.54	J	0.27	1.4	ug/l	J	bt,bb,sp	TB Contamination < PQL; < PQL	1.1	2.2	ug/l
5501628641	M-23-20210429	04/29/21	SW8260	79-01-6	Trichloroethene	0.43	J	0.26	0.50	ug/l	J	sp	< PQL			
5501628641	M-23-20210429-FD6	04/29/21	SW8260	79-01-6	Trichloroethene	0.38	J	0.26	0.50	ug/l	J	sp	< PQL			
5501628641	M-23-20210429-FD6	04/29/21	SW8260BSIM	123-91-1	1,4-Dioxane	0.35	J	0.27	1.4	ug/l	J	bt,bb,sp	TB Contamination < PQL; < PQL	1.1	2.2	ug/l
5501628641	M-23-20210429-FD6	04/29/21	SW8260	127-18-4	Tetrachloroethene	0.49	J	0.30	0.50	ug/l	J	sp	< PQL			
5501632681	M-25-20210505	05/05/21	SW8260	179601-23-1	m,p-xylene	0.45	JB	0.34	1.0	ug/l	J	sp	< PQL			
5501632681	M-25-20210505-FD15	05/05/21	SW8260	179601-23-1	m,p-xylene	1.9	J	1.7	5.0	ug/l	J	sp	< PQL			
5501629241	M-260-20210430	04/30/21	E300.1	14866-68-3	Chlorate	7.5	J	4.9	20	ug/l	J-	m,sp	MS/MSD %R, < PQL	73, -	75-125	%
5501629241	M-260-20210430	04/30/21	SW8260	541-73-1	1,3-Dichlorobenzene	0.25	J	0.23	0.50	ug/l	J	sp	< PQL			
5501629241	M-260-20210430	04/30/21	E200.7	7440-47-3	Chromium (total)	0.0099	J	0.00085	0.010	mg/l	J	sp	< PQL			
5501629241	M-260-20210430	04/30/21	SW8260	87-61-6	1,2,3-Trichlorobenzene	1.4	J	1.4	3.0	ug/l	J	sp	< PQL			
5501629241	M-260-20210430	04/30/21	SW8260	106-46-7	1,4-Dichlorobenzene	0.24	J	0.22	0.50	ug/l	J	sp	< PQL			
5501629241	M-261-20210430	04/30/21	SW8260BSIM	123-91-1	1,4-Dioxane	0.78	JB	0.27	1.4	ug/l	J	bt,ba,sp	TB Contamination > PQL, <PQL	2.1	4.2	ug/l
5501629241	M-261-20210430	04/30/21	E200.7	7440-47-3	Chromium (total)	0.0078	J	0.00085	0.010	mg/l	J	sp	< PQL			
5501629241	M-262-20210430	04/30/21	E300.1	14866-68-3	Chlorate	8.8	J	4.9	20	ug/l	J	sp	< PQL			
5501628641	M-263-20210429	04/29/21	SW8260BSIM	123-91-1	1,4-Dioxane	1.2	J	0.27	1.4	ug/l	J	bt,bb,sp	TB Contamination < PQL; < PQL	1.1	2.2	ug/l
5501628641	M-263-20210429-EB7	04/29/21	SW8260	67-66-3	Chloroform	0.32	J	0.21	0.50	ug/l	J	sp	< PQL			
5501628641	M-263-20210429-EB7	04/29/21	E300.1	14866-68-3	Chlorate	7.0	J	4.9	20	ug/l	J	sp	< PQL			

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator	Qualification Finding	Acceptance Criteria	
5501628641	M-264-20210429	04/29/21	SW8260	108-90-7	Chlorobenzene	0.27	J	0.23	0.50	ug/l	J	sp	< PQL			
5501628641	M-264-20210429	04/29/21	SW8260BSIM	123-91-1	1,4-Dioxane	1.1	J	0.27	1.4	ug/l	J	bt,bb,sp	TB Contamination < PQL; < PQL	1.1	2.2	ug/l
5501628641	M-265-20210429	04/29/21	SW8260BSIM	123-91-1	1,4-Dioxane	0.41	J	0.27	1.4	ug/l	J	bt,bb,sp	TB Contamination < PQL; < PQL	1.1	2.2	ug/l
5501628641	M-266-20210429	04/29/21	E300.1	14866-68-3	Chlorate	8.6	J	4.9	20	ug/l	J	sp	< PQL			
5501628641	M-266-20210429	04/29/21	SW8260BSIM	123-91-1	1,4-Dioxane	0.28	J	0.27	1.4	ug/l	J	bt,bb,sp	TB Contamination < PQL; < PQL	1.1	2.2	ug/l
5501633751	M-267-20210506	05/06/21	SW8260BSIM	96-18-4	1,2,3-Trichloropropane	0.0041	J	0.0038	0.020	ug/l	J-	vh,sp	Headspace in containers, < PQL			
5501633751	M-267-20210506	05/06/21	E300	14797-55-8_N	Nitrate as N	2.2		0.014	0.050	mg/l	J	m,ld	MS/MSD %R, RPD	77, -; 24	80-120; ≤20	%
5501633751	M-267-20210506	05/06/21	SW8260BSIM	123-91-1	1,4-Dioxane		U	0.27	1.4	ug/l	UJ	vh	Headspace in containers			
5501633751	M-268-20210506	05/06/21	SW8260BSIM	123-91-1	1,4-Dioxane		U	0.27	1.4	ug/l	UJ	vh	Headspace in containers			
5501633751	M-268-20210506	05/06/21	E300	14797-55-8_N	Nitrate as N	2.3		0.014	0.050	mg/l	J	m,ld	MS/MSD %R, RPD	77, -; 24	80-120; ≤20	%
5501633751	M-268-20210506	05/06/21	SW8260BSIM	96-18-4	1,2,3-Trichloropropane		U	0.0038	0.020	ug/l	UJ	vh	Headspace in containers			
5501632681	M-2A-20210505	05/05/21	E300.1	14866-68-3	Chlorate	2200000		49000	200000	ug/l	J+	m	MS/MSD %R	147, 138	75-125	%
5501632681	M-2A-20210505	05/05/21	SW8260BSIM	123-91-1	1,4-Dioxane	1.2	J	0.27	1.4	ug/l	J	sp	< PQL			
5501631851	M-31A-20210504	05/04/21	E300	14797-55-8_N	Nitrate as N	1.8		0.014	0.050	mg/l	J	fd	FD RPD	48	≤30	%
5501631851	M-31A-20210504	05/04/21	E300.1	14866-68-3	Chlorate	140000		2400	10000	ug/l	J	fd	FD RPD	161	≤30	%
5501631851	M-31A-20210504	05/04/21	E200.7	7440-47-3	Chromium (total)	0.11		0.00085	0.010	mg/l	J	fd	FD RPD	95	≤30	%
5501631851	M-31A-20210504	05/04/21	E314.0	14797-73-0	Perchlorate	16000		630	2000	ug/l	J	fd	FD RPD	70	≤30	%
5501631851	M-31A-20210504-FD13	05/04/21	E314.0	14797-73-0	Perchlorate	7700		310	1000	ug/l	J	fd	FD RPD	70	≤30	%
5501631851	M-31A-20210504-FD13	05/04/21	E300.1	14866-68-3	Chlorate	15000		490	2000	ug/l	J	fd	FD RPD	161	≤30	%
5501631851	M-31A-20210504-FD13	05/04/21	E200.7	7440-47-3	Chromium (total)	0.039		0.00085	0.010	mg/l	J	fd	FD RPD	95	≤30	%
5501631851	M-31A-20210504-FD13	05/04/21	E300	14797-55-8_N	Nitrate as N	1.1		0.014	0.050	mg/l	J	fd	FD RPD	48	≤30	%
5501631851	M-32-20210504	05/04/21	SW8260BSIM	96-18-4	1,2,3-Trichloropropane		U	0.0038	0.020	ug/l	UJ	vh	Headspace in containers			
5501631851	M-32-20210504	05/04/21	SW8260	95-50-1	1,2-Dichlorobenzene	0.27	J	0.26	0.50	ug/l	J	sp	< PQL			
5501631851	M-32-20210504	05/04/21	E300.1	14866-68-3	Chlorate	17	J	4.9	20	ug/l	J	sp	< PQL			
5501631851	M-32-20210504	05/04/21	SW8260BSIM	123-91-1	1,4-Dioxane		U	0.27	1.4	ug/l	UJ	vh	Headspace in containers			
5501631851	M-33-20210504	05/04/21	SW8260BSIM	96-18-4	1,2,3-Trichloropropane	0.0071	J	0.0038	0.020	ug/l	J	sp	< PQL			
5501631851	M-33-20210504-TB17	05/04/21	SW8260BSIM	96-18-4	1,2,3-Trichloropropane		U	0.0038	0.020	ug/l	UJ	vh	Headspace in containers			
5501631851	M-33-20210504-TB17	05/04/21	SW8260BSIM	123-91-1	1,4-Dioxane	0.28	J	0.27	1.4	ug/l	J-	vh,sp	Headspace in containers, < PQL			
5501634441	M-35-20210507	05/07/21	SW8260BSIM	96-18-4	1,2,3-Trichloropropane	0.0049	J	0.0038	0.020	ug/l	J	sp	< PQL			
5501634441	M-35-20210507	05/07/21	SW8260BSIM	123-91-1	1,4-Dioxane	0.39	JB	0.27	1.4	ug/l	J	bl,bb,bt,sp	Blank and TB Contamination < PQL, < PQL	0.363; 0.41	0.726; 0.82	ug/l
5501634441	M-35-20210507-TB25	05/07/21	SW8260BSIM	123-91-1	1,4-Dioxane	0.34	JB	0.27	1.4	ug/l	J	bl,bb,sp	Blank Contamination < PQL, <PQL	0.363	0.726	ug/l
5501631851	M-37-20210504	05/04/21	SW8260BSIM	123-91-1	1,4-Dioxane	1.2	J	0.27	1.4	ug/l	J	sp	< PQL			
5501631851	M-37-20210504-EB4	05/04/21	E300.1	14866-68-3	Chlorate	6.8	J	4.9	20	ug/l	J	sp	< PQL			
5501630371	M-38-20210503	05/03/21	SW8260	127-18-4	Tetrachloroethene	0.48	J	0.30	0.50	ug/l	J	sp	< PQL			
5501630371	M-38-20210503	05/03/21	SW8260	56-23-5	Carbon Tetrachloride	0.45	J	0.28	0.50	ug/l	J	sp	< PQL			
5501630371	M-38-20210503	05/03/21	SW8260BSIM	123-91-1	1,4-Dioxane	0.75	JB	0.27	1.4	ug/l	J	bl,bb,sp	Blank Contamination < PQL, <PQL	0.673	1.346	ug/l
5501630371	M-38-20210503-TB15	05/03/21	SW8260	179601-23-1	m,p-xylene	0.39	J	0.34	1.0	ug/l	J	sp	< PQL			
5501628641	M-44-20210429	04/29/21	SW8260	95-50-1	1,2-Dichlorobenzene	0.41	J	0.26	0.50	ug/l	J	sp	< PQL			
5501628641	M-44-20210429	04/29/21	SW8260BSIM	123-91-1	1,4-Dioxane	1.2	J	0.27	1.4	ug/l	J	bt,bf,bb,sp	TB and FB Contamination < PQL, < PQL	1.1; 0.37	2.2; 0.74	ug/l
5501628641	M-44-20210429-FB6	04/29/21	SW8260BSIM	123-91-1	1,4-Dioxane	0.37	J	0.27	1.4	ug/l	J	bt,bb,sp	TB Contamination < PQL; < PQL	1.1	2.2	ug/l
5501627751	M-48A-20210428	04/28/21	SW8260	75-27-4	Bromodichloromethane	0.28	J	0.23	0.50	ug/l	J	sp	< PQL			
5501627751	M-48A-20210428	04/28/21	E300.1	14866-68-3	Chlorate	14000	J	4900	20000	ug/l	J	sp	< PQL			
5501628641	M-52-20210429	04/29/21	SW8260BSIM	96-18-4	1,2,3-Trichloropropane	0.016	J	0.0038	0.020	ug/l	J	sp	< PQL			
5501629241	M-57A-20210430	04/30/21	SW8260	127-18-4	Tetrachloroethene	0.35	J	0.30	0.50	ug/l	J	sp	< PQL			
5501628641	M-5A-20210429	04/29/21	E420.4	64743-03-9	Phenolics, Recoverable (total)	0.0078	J	0.0068	0.020	mg/l	J	sp	< PQL			
5501628641	M-5A-20210429	04/29/21	SW8260BSIM	123-91-1	1,4-Dioxane	1.2	J	0.27	1.4	ug/l	J	bt,bb,sp	TB Contamination < PQL; < PQL	1.1	2.2	ug/l
5501628641	M-5A-20210429	04/29/21	SW8260	95-49-8	2-Chlorotoluene	0.37	J	0.31	0.50	ug/l	J	sp	< PQL			
5501628641	M-5A-20210429	04/29/21	SW8260	67-66-3	Chloroform	0.49	J	0.21	0.50	ug/l	J	sp	< PQL			
5501628641	M-5A-20210429	04/29/21	SW8260BSIM	96-18-4	1,2,3-Trichloropropane	0.013	J	0.0038	0.020	ug/l	J	sp	< PQL			
5501630371	M-64-20210503	05/03/21	SW8260	108-88-3	Toluene	1.9	JBD	1.4	2.5	ug/l	J	bl,ba,sp	Blank Contamination > PQL, <PQL	0.674	1.3	ug/l
5501630371	M-64-20210503	05/03/21	SW8260	79-01-6	Trichloroethene	1.7	JD	1.3	2.5	ug/l	J	sp	< PQL			
5501629241	M-65-20210430	04/30/21	E300	14797-55-8_N	Nitrate as N	49	Ecn	0.014	0.050	mg/l	DNR	orr				
5501629241	M-65-20210430	04/30/21	E300	14797-55-8_N	Nitrate as N	59	H	0.070	0.25	mg/l	J-	h	Holding Time	76.28	48	Hours
5501629241	M-65-20210430	04/30/21	SW8260BSIM	123-91-1	1,4-Dioxane	1.0	J	0.27	1.4	ug/l	J	bt,ba,sp	TB Contamination > PQL, <PQL	2.1	4.2	ug/l
5501629241	M-66-20210430	04/30/21	SW8260BSIM	123-91-1	1,4-Dioxane	0.77	J	0.27	1.4	ug/l	J	bt,ba,sp	TB Contamination > PQL, <PQL	2.1	4.2	ug/l
5501629241	M-66-20210430	04/30/21	E300	14797-55-8_N	Nitrate as N	80	E	0.014	0.050	mg/l	DNR	orr				
5501629241	M-66-20210430	04/30/21	E300	14797-55-8_N	Nitrate as N	92	H	0.070	0.25	mg/l	J-	h	Holding Time	81.50	48	Hours
5501629241	M-66-20210430-FD8	04/30/21	E300	14797-55-8_N	Nitrate as N	83	E	0.014	0.050	mg/l	DNR	orr				

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator	Qualification Finding	Acceptance Criteria	
5501629241	M-66-20210430-FD8	04/30/21	E300	14797-55-8_N	Nitrate as N	96	H	0.070	0.25	mg/l	J-	h	Holding Time	78.77	48	Hours
5501629241	M-66-20210430-FD8	04/30/21	SW8260BSIM	123-91-1	1,4-Dioxane	0.69	J	0.27	1.4	ug/l	J	bt,ba,sp	TB Contamination > PQL, <PQL	2.1	4.2	ug/l
5501634441	M-67-20210507	05/07/21	SW8260	98-06-6	tert-Butylbenzene	1.6	JD	1.4	2.5	ug/l	J	bl,bb,sp	Blank Contamination < PQL, <PQL	0.353	0.706	ug/l
5501634441	M-67-20210507	05/07/21	SW8260BSIM	123-91-1	1,4-Dioxane	0.71	JB	0.27	1.4	ug/l	J	bl,bb,bt,sp	Blank and TB Contamination < PQL, < PQL	0.363; 0.41	0.726; 0.82	ug/l
5501634441	M-68-20210507	05/07/21	SW8260BSIM	123-91-1	1,4-Dioxane	0.80	JB	0.27	1.4	ug/l	J	bl,bb,bt,be,sp	Blank, TB and EB Contamination < PQL, < PQL	0.363; 0.41; 0.41	0.726; 0.82; 0.82	ug/l
5501634441	M-68-20210507-EB10	05/07/21	SW8260	106-46-7	1,4-Dichlorobenzene	0.22	J	0.22	0.50	ug/l	J	sp	< PQL			
5501634441	M-68-20210507-EB10	05/07/21	SW8260BSIM	123-91-1	1,4-Dioxane	0.41	JB	0.27	1.4	ug/l	J	bl,bb,bt,sp	Blank and TB Contamination < PQL, < PQL	0.363; 0.41	0.726; 0.82	ug/l
5501628641	M-69-20210429	04/29/21	SW8260BSIM	123-91-1	1,4-Dioxane	0.81	J	0.27	1.4	ug/l	J	bt,bb,sp	TB Contamination < PQL; < PQL	1.1	2.2	ug/l
5501628641	M-69-20210429	04/29/21	SW8260	541-73-1	1,3-Dichlorobenzene	0.40	J	0.23	0.50	ug/l	J	sp	< PQL			
5501628641	M-6A-20210429	04/29/21	E300	14797-55-8_N	Nitrate as N	0.034	J	0.014	0.050	mg/l	J	sp	< PQL			
5501628641	M-6A-20210429	04/29/21	SW8260BSIM	96-18-4	1,2,3-Trichloropropane	0.0059	J	0.0038	0.020	ug/l	J	sp	< PQL			
5501628641	M-6A-20210429	04/29/21	SW8260	107-06-2	1,2-Dichloroethane	0.37	J	0.36	0.50	ug/l	J	sp	< PQL			
5501628641	M-6A-20210429	04/29/21	SW8260	108-90-7	Chlorobenzene	0.35	J	0.23	0.50	ug/l	J	sp	< PQL			
5501628641	M-6A-20210429	04/29/21	E200.7	7439-89-6	Iron	0.064	J	0.010	0.10	mg/l	J	sp	< PQL			
5501629241	M-70-20210430	04/30/21	SW8260BSIM	123-91-1	1,4-Dioxane	1.2	JB	0.27	1.4	ug/l	J	bt,ba,sp	TB Contamination > PQL, <PQL	2.1	4.2	ug/l
5501629241	M-70-20210430	04/30/21	E300.1	14866-68-3	Chlorate	1600000		49000	200000	ug/l	J-	m	MS/MSD %R	73, -	75-125	%
5501629241	M-70-20210430	04/30/21	SW8260	106-46-7	1,4-Dichlorobenzene	0.29	J	0.22	0.50	ug/l	J	sp	< PQL			
5501629241	M-70-20210430	04/30/21	E300	14797-55-8_N	Nitrate as N	61	E	0.014	0.050	mg/l	DNR	orr				
5501629241	M-70-20210430	04/30/21	E300	14797-55-8_N	Nitrate as N	68	H	0.070	0.25	mg/l	J-	h	Holding Time	107.82	48	Hours
5501629241	M-70-20210430	04/30/21	SW8260	95-50-1	1,2-Dichlorobenzene	0.45	J	0.26	0.50	ug/l	J	sp	< PQL			
5501632681	M-71-20210505	05/05/21	SW8260	541-73-1	1,3-Dichlorobenzene	0.33	J	0.23	0.50	ug/l	J	sp	< PQL			
5501632681	M-71-20210505	05/05/21	SW8260	106-46-7	1,4-Dichlorobenzene	0.29	J	0.22	0.50	ug/l	J	sp	< PQL			
5501632681	M-71-20210505	05/05/21	SW8260	95-50-1	1,2-Dichlorobenzene	0.46	J	0.26	0.50	ug/l	J	sp	< PQL			
5501632681	M-71-20210505-TB21	05/05/21	SW8260	98-06-6	tert-Butylbenzene	0.34	J	0.29	0.50	ug/l	J	bl,bb,sp	Blank Contamination < PQL, <PQL	0.353	0.706	ug/l
5501629241	M-72-20210430	04/30/21	SW8260	108-90-7	Chlorobenzene	2.2	JD	1.1	2.5	ug/l	J	sp	< PQL			
5501629241	M-72-20210430	04/30/21	E300	14797-55-8_N	Nitrate as N	50	E	0.014	0.050	mg/l	DNR	orr				
5501629241	M-72-20210430	04/30/21	E300	14797-55-8_N	Nitrate as N	59	H	0.070	0.25	mg/l	J-	h	Holding Time	78.88	48	Hours
5501629241	M-72-20210430	04/30/21	SW8260BSIM	123-91-1	1,4-Dioxane	0.71	J	0.27	1.4	ug/l	J	bt,ba,sp	TB Contamination > PQL, <PQL	2.1	4.2	ug/l
5501636781	M-73-20210512	05/12/21	E300	14797-55-8_N	Nitrate as N	16		0.070	0.25	mg/l	J-	m	MS/MSD %R	-0.4, -0.3	80-120	%
5501636781	M-73-20210512	05/12/21	SW8260	67-66-3	Chloroform	0.29	J	0.21	0.50	ug/l	J+	s,sp	Surrogate %R, < PQL	135	70-130	%
5501636021	M-74-20210511	05/11/21	E300	14797-55-8_N	Nitrate as N	12		0.014	0.050	mg/l	J+	m	MS/MSD %R	-, 129	80-120	%
5501636021	M-74-20210511	05/11/21	SW8260	67-66-3	Chloroform	240	D	2.1	5.0	ug/l	J+	s	Surrogate %R	131	70-130	%
5501636021	M-74-20210511	05/11/21	SW8260BSIM	123-91-1	1,4-Dioxane	0.73	J	0.27	1.4	ug/l	J	sp	< PQL			
5501634951	M-76-20210510	05/10/21	SW8260	67-66-3	Chloroform	48		0.21	0.50	ug/l	J+	s	Surrogate %R	131	70-130	%
5501634951	M-76-20210510	05/10/21	SW8260	79-01-6	Trichloroethene	4.9		0.26	0.50	ug/l	J+	s	Surrogate %R	131	70-130	%
5501634951	M-76-20210510	05/10/21	SW8260	75-35-4	1,1-Dichloroethene	34		0.31	0.50	ug/l	J+	s	Surrogate %R	131	70-130	%
5501634951	M-76-20210510	05/10/21	SW8260BSIM	123-91-1	1,4-Dioxane	1.2	J	0.27	1.4	ug/l	J	sp	< PQL			
5501634951	M-76-20210510	05/10/21	SW8260	127-18-4	Tetrachloroethene	0.32	J	0.30	0.50	ug/l	J+	s,sp	Surrogate %R, < PQL	131	70-130	%
5501629241	M-77R-20210430	04/30/21	SW8260BSIM	96-18-4	1,2,3-Trichloropropane	0.0074	J	0.0038	0.020	ug/l	J	sp	< PQL			
5501629241	M-79-20210430	04/30/21	SW8260	106-46-7	1,4-Dichlorobenzene	0.46	J	0.22	0.50	ug/l	J	sp	< PQL			
5501628641	M-7B-20210429	04/29/21	SW8260BSIM	96-18-4	1,2,3-Trichloropropane	0.0048	J	0.0038	0.020	ug/l	J	sp	< PQL			
5501628641	M-7B-20210429	04/29/21	SW8260	107-06-2	1,2-Dichloroethane	0.95		0.36	0.50	ug/l	J+	l	LCS %R	137,134	70-130	%
5501628641	M-7B-20210429	04/29/21	E200.7	7439-96-5	Manganese	0.0021	J	0.00019	0.010	mg/l	J	bl,bb,sp	Blank Contamination < PQL, <PQL	0.00215	0.00215	mg/l
5501637821	M-80-20210513	05/13/21	SW8260	541-73-1	1,3-Dichlorobenzene	0.51		0.23	0.50	ug/l	J+	s	Surrogate %R	135	70-130	%
5501637821	M-80-20210513	05/13/21	SW8260BSIM	123-91-1	1,4-Dioxane	0.50	J	0.27	1.4	ug/l	J	sp	< PQL			
5501637821	M-80-20210513	05/13/21	SW8260	124-48-1	Dibromochloromethane	0.30	J	0.29	0.50	ug/l	J+	s,sp	Surrogate %R, < PQL	135	70-130	%
5501637821	M-80-20210513	05/13/21	SW8260	75-27-4	Bromodichloromethane	0.61		0.23	0.50	ug/l	J+	s	Surrogate %R	135	70-130	%
5501637821	M-80-20210513	05/13/21	SW8260	56-23-5	Carbon Tetrachloride	3.5		0.28	0.50	ug/l	J+	s	Surrogate %R	135	70-130	%
5501637821	M-80-20210513	05/13/21	SW8260	71-43-2	Benzene	0.32	J	0.25	0.50	ug/l	J+	s,sp	Surrogate %R, < PQL	135	70-130	%
5501637821	M-80-20210513	05/13/21	SW8260	106-46-7	1,4-Dichlorobenzene	0.45	J	0.22	0.50	ug/l	J+	s,sp	Surrogate %R, < PQL	135	70-130	%
5501637821	M-80-20210513	05/13/21	SW8260	67-66-3	Chloroform	100		1.0	2.5	ug/l	J	s,fd	Surrogate %R, FD RPD	132; 46	70-130; ≤30	%
5501637821	M-80-20210513	05/13/21	SW8260	108-88-3	Toluene	0.39	J	0.28	0.50	ug/l	J+	s,sp	Surrogate %R, < PQL	135	70-130	%
5501637821	M-80-20210513	05/13/21	SW8260	75-25-2	Bromoform	1.6		0.46	1.0	ug/l	J+	s	Surrogate %R	135	70-130	%
5501637821	M-80-20210513	05/13/21	SW8260	95-50-1	1,2-Dichlorobenzene	0.57		0.26	0.50	ug/l	J+	s	Surrogate %R	135	70-130	%
5501637821	M-80-20210513	05/13/21	SW8260	79-01-6	Trichloroethene	1.0		0.26	0.50	ug/l	J+	s	Surrogate %R	135	70-130	%
5501637821	M-80-20210513-FD4	05/13/21	SW8260	75-25-2	Bromoform	1.5		0.46	1.0	ug/l	J+	s	Surrogate %R	131	70-130	%
5501637821	M-80-20210513-FD4	05/13/21	SW8260	79-01-6	Trichloroethene	0.91		0.26	0.50	ug/l	J+	s	Surrogate %R	131	70-130	%
5501637821	M-80-20210513-FD4	05/13/21	SW8260	95-50-1	1,2-Dichlorobenzene	0.56		0.26	0.50	ug/l	J+	s	Surrogate %R	131	70-130	%

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator	Qualification Finding	Acceptance Criteria	
5501637821	M-80-20210513-FD4	05/13/21	SW8260	108-88-3	Toluene	0.37	J	0.28	0.50	ug/l	J+	s,sp	Surrogate %R, < PQL	131	70-130	%
5501637821	M-80-20210513-FD4	05/13/21	SW8260	106-46-7	1,4-Dichlorobenzene	0.46	J	0.22	0.50	ug/l	J+	s,sp	Surrogate %R, < PQL	131	70-130	%
5501637821	M-80-20210513-FD4	05/13/21	SW8260	67-66-3	Chloroform	160	D	1.0	2.5	ug/l	J	s,fd	Surrogate %R, FD RPD	132; 46	70-130; ≤30	%
5501637821	M-80-20210513-FD4	05/13/21	SW8260	71-43-2	Benzene	0.28	J	0.25	0.50	ug/l	J+	s,sp	Surrogate %R, < PQL	131	70-130	%
5501637821	M-80-20210513-FD4	05/13/21	SW8260	56-23-5	Carbon Tetrachloride	3.4		0.28	0.50	ug/l	J+	s	Surrogate %R	131	70-130	%
5501637821	M-80-20210513-FD4	05/13/21	SW8260	75-27-4	Bromodichloromethane	0.50		0.23	0.50	ug/l	J+	s	Surrogate %R	131	70-130	%
5501637821	M-80-20210513-FD4	05/13/21	SW8260	124-48-1	Dibromochloromethane	0.31	J	0.29	0.50	ug/l	J+	s,sp	Surrogate %R, < PQL	131	70-130	%
5501637821	M-80-20210513-FD4	05/13/21	SW8260BSIM	123-91-1	1,4-Dioxane	0.58	J	0.27	1.4	ug/l	J	sp	< PQL			
5501637821	M-80-20210513-FD4	05/13/21	SW8260	541-73-1	1,3-Dichlorobenzene	0.52		0.23	0.50	ug/l	J+	s	Surrogate %R	131	70-130	%
5501636021	M-81A-20210511	05/11/21	SW8260	79-01-6	Trichloroethene	0.30	J	0.26	0.50	ug/l	J	sp	< PQL			
5501636021	M-81A-20210511	05/11/21	E300	14797-55-8_N	Nitrate as N	37		0.070	0.25	mg/l	J+	m	MS/MSD %R	-, 129	80-120	%
5501636021	M-81A-20210511	05/11/21	SW8260	67-66-3	Chloroform	230	D	2.1	5.0	ug/l	J+	s	Surrogate %R	131	70-130	%
5501636021	M-83-20210511	05/11/21	E300	14797-55-8_N	Nitrate as N	9.4		0.014	0.050	mg/l	J+	m	MS/MSD %R	-, 129	80-120	%
5501636021	M-83-20210511	05/11/21	SW8260	67-66-3	Chloroform	20		0.21	0.50	ug/l	J+	s	Surrogate %R	131	70-130	%
5501636021	M-83-20210511	05/11/21	SW8260BSIM	96-18-4	1,2,3-Trichloropropane	0.014	J	0.0038	0.020	ug/l	J	sp	< PQL			
5501636021	M-83-20210511	05/11/21	SW8260	108-88-3	Toluene	0.79		0.28	0.50	ug/l	J+	s	Surrogate %R	131	70-130	%
5501636021	M-83-20210511	05/11/21	SW8260	179601-23-1	m,p-xylene	0.46	J	0.34	1.0	ug/l	J+	s,sp	Surrogate %R, < PQL	131	70-130	%
5501632681	M-92-20210505	05/05/21	SW8260	127-18-4	Tetrachloroethene	0.32	J	0.30	0.50	ug/l	J	sp	< PQL			
5501632681	M-92-20210505	05/05/21	SW8260BSIM	123-91-1	1,4-Dioxane	0.45	J	0.27	1.4	ug/l	J	sp	< PQL			
5501632681	M-92-20210505	05/05/21	E300.1	14866-68-3	Chlorate	20000		490	2000	ug/l	J+	m	MS/MSD %R	147, 138	75-125	%
5501632681	M-92-20210505	05/05/21	SW8260	98-06-6	tert-Butylbenzene	0.31	JB	0.29	0.50	ug/l	J	bl,bb,sp	Blank Contamination < PQL, <PQL	0.386	0.772	ug/l
5501632681	M-93-20210505	05/05/21	SW8260	127-18-4	Tetrachloroethene	0.35	J	0.30	0.50	ug/l	J	sp	< PQL			
5501632681	M-93-20210505	05/05/21	SW8260	56-23-5	Carbon Tetrachloride	0.40	J	0.28	0.50	ug/l	J	sp	< PQL			
5501632681	M-95-20210505	05/05/21	SW8260	108-90-7	Chlorobenzene	0.30	J	0.23	0.50	ug/l	J	sp	< PQL			
5501632681	M-95-20210505	05/05/21	SW8260	96-12-8	1,2-Dibromo-3-chloropropane		U	1.6	5.0	ug/l	UJ	m	MS/MSD %R	49,-	51-143	%
5501632681	M-95-20210505	05/05/21	E300.1	14866-68-3	Chlorate	96000		2400	10000	ug/l	J+	m	MS/MSD %R	147, 138	75-125	%
5501632681	M-95-20210505	05/05/21	SW8260BSIM	123-91-1	1,4-Dioxane	0.58	J	0.27	1.4	ug/l	J	sp	< PQL			
5501632681	M-95-20210505	05/05/21	SW8260	127-18-4	Tetrachloroethene	0.36	J	0.30	0.50	ug/l	J	sp	< PQL			
5501632681	MC-3-20210505	05/05/21	SW8260	541-73-1	1,3-Dichlorobenzene	7.8	JD	4.6	10	ug/l	J	sp	< PQL			
5501632681	MC-3-20210505	05/05/21	SW8260	179601-23-1	m,p-xylene	12	JD	6.9	20	ug/l	J	sp	< PQL			
5501632681	MC-3-20210505	05/05/21	SW8260	107-06-2	1,2-Dichloroethane	8.3	JD	7.2	10	ug/l	J	sp	< PQL			
5501628641	MC-50-20210429	04/29/21	SW8260	541-73-1	1,3-Dichlorobenzene	0.36	J	0.23	0.50	ug/l	J	sp	< PQL			
5501628641	MC-50-20210429	04/29/21	SW8260	75-34-3	1,1-Dichloroethane	0.39	J	0.23	0.50	ug/l	J	sp	< PQL			
5501628641	MC-51-20210429	04/29/21	SW8260	108-90-7	Chlorobenzene	0.40	J	0.23	0.50	ug/l	J	sp	< PQL			
5501628641	MC-51-20210429	04/29/21	SW8260	120-82-1	1,2,4-Trichlorobenzene	0.89	J	0.89	2.0	ug/l	J	sp	< PQL			
5501628641	MC-51-20210429	04/29/21	SW8260	67-66-3	Chloroform	0.34	J	0.21	0.50	ug/l	J	sp	< PQL			
5501628641	MC-53-20210429	04/29/21	SW8260	100-42-5	Styrene		U	0.43	1.0	ug/l	R	m	MS/MSD %R	0,0	21-150	%
5501628641	MC-53-20210429	04/29/21	SW8260BSIM	123-91-1	1,4-Dioxane	2.1		0.27	1.4	ug/l	J+	bt,bb	TB Contamination < PQL	1.1	2.2	ug/l
5501628641	MC-53-20210429	04/29/21	SW8260	106-46-7	1,4-Dichlorobenzene	0.25	J	0.22	0.50	ug/l	J	sp	< PQL			
5501628641	MC-53-20210429	04/29/21	SW8260	108-90-7	Chlorobenzene	0.24	J	0.23	0.50	ug/l	J	sp	< PQL			
5501632681	MC-6-20210505	05/05/21	SW8260	120-82-1	1,2,4-Trichlorobenzene	1.2	J	0.89	2.0	ug/l	J	sp	< PQL			
5501627751	MC-65R2-20210428	04/28/21	SW8260BSIM	96-18-4	1,2,3-Trichloropropane	0.0087	J	0.0038	0.020	ug/l	J	sp	< PQL			
5501627751	MC-65R2-20210428	04/28/21	E300.1	14866-68-3	Chlorate	9000		240	1000	ug/l	J+	m	MS/MSD %R	129, 131	75-125	%
5501632681	MC-69-20210505	05/05/21	SW8260	120-82-1	1,2,4-Trichlorobenzene	1.6	J	0.89	2.0	ug/l	J	sp	< PQL			
5501632681	MC-7-20210505	05/05/21	SW8260	75-35-4	1,1-Dichloroethene	0.62	J	0.61	1.0	ug/l	J	sp	< PQL			
5501632681	MC-7-20210505	05/05/21	E314.0	14797-73-0	Perchlorate	270		63	200	ug/l	J	fd	FD RPD	152	≤30	%
5501632681	MC-7-20210505	05/05/21	E300	14797-55-8_N	Nitrate as N	0.26		0.014	0.050	mg/l	J	fd	FD RPD	141	≤30	%
5501632681	MC-7-20210505	05/05/21	SW8260	67-66-3	Chloroform	0.46	J	0.42	1.0	ug/l	J	sp	< PQL			
5501632681	MC-7-20210505	05/05/21	SW8260	156-59-2	cis-1,2-Dichloroethene	0.89	J	0.71	1.0	ug/l	J	sp	< PQL			
5501632681	MC-7-20210505-FD17	05/05/21	E300.1	14866-68-3	Chlorate	150	J	98	400	ug/l	J	sp	< PQL			
5501632681	MC-7-20210505-FD17	05/05/21	SW8260	75-35-4	1,1-Dichloroethene	0.67	J	0.61	1.0	ug/l	J	sp	< PQL			
5501632681	MC-7-20210505-FD17	05/05/21	E314.0	14797-73-0	Perchlorate	2000		63	200	ug/l	J	fd	FD RPD	152	≤30	%
5501632681	MC-7-20210505-FD17	05/05/21	SW8260	156-59-2	cis-1,2-Dichloroethene	0.92	J	0.71	1.0	ug/l	J	sp	< PQL			
5501632681	MC-7-20210505-FD17	05/05/21	E300	14797-55-8_N	Nitrate as N	1.5		0.014	0.050	mg/l	J	fd	FD RPD	141	≤30	%
5501632681	MC-7-20210505-FD17	05/05/21	SW8260	67-66-3	Chloroform	0.44	J	0.42	1.0	ug/l	J	sp	< PQL			
5501628641	MC-93-20210429	04/29/21	SW8260BSIM	123-91-1	1,4-Dioxane	1.1	J	0.27	1.4	ug/l	J	bt,bb,sp	TB Contamination < PQL; < PQL	1.1	2.2	ug/l
5501628641	MC-93-20210429	04/29/21	SW8260	87-61-6	1,2,3-Trichlorobenzene		U	1.4	3.0	ug/l	UJ	l	LCS %R	-,64	70-130	%
5501628641	MC-93-20210429	04/29/21	SW8260	79-01-6	Trichloroethene	0.41	J	0.26	0.50	ug/l	J	sp	< PQL			

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator	Qualification Finding	Acceptance Criteria	
5501627751	MC-97-20210428	04/28/21	E314.0	14797-73-0	Perchlorate		U	0.31	1.0	ug/l	UJ	m	MS/MSD %R	50, 56	80-120	%
5501627751	MC-97-20210428	04/28/21	E300.1	14866-68-3	Chlorate	150	J	98	400	ug/l	J+	m,sp	MS/MSD %R, < PQL	-, 131	75-125	%
5501627751	MC-97-20210428	04/28/21	SW8260	98-06-6	tert-Butylbenzene	0.37	JB	0.29	0.50	ug/l	J	bt,bl,bb,sp	Blank and TB Contamination < PQL, < PQL	0.379; 0.42; 1.2	0.758; 0.84; 2.4	ug/l
5501627751	MC-97-20210428	04/28/21	SW8260	179601-23-1	m,p-xylene	0.35	J	0.34	1.0	ug/l	J	bt,ba,sp	TB Contamination > PQL, <PQL	6.8; 1.8	13.6; 3.6	ug/l
5501627751	MC-MW-37R2-20210428	04/28/21	E300.1	14866-68-3	Chlorate	25	J	9.8	40	ug/l	J	sp	< PQL			
5501627751	MC-MW-37R2-20210428	04/28/21	SW8260	541-73-1	1,3-Dichlorobenzene	0.31	J	0.23	0.50	ug/l	J	sp	< PQL			
5501627751	MC-MW-37R2-20210428	04/28/21	SW8260	108-88-3	Toluene	0.81		0.28	0.50	ug/l	J+	bt,ba	TB Contamination > PQL	3.9; 4.5	7.8; 9.0	ug/l
5501627751	MC-MW-37R2-20210428	04/28/21	SW8260BSIM	96-18-4	1,2,3-Trichloropropane	0.010	J	0.0038	0.020	ug/l	J	sp	< PQL			
5501628641	MW-16(NERT)-20210429	04/29/21	SW8260BSIM	96-18-4	1,2,3-Trichloropropane	0.0071	J	0.0038	0.020	ug/l	J	sp	< PQL			
5501628641	MW-16NERT-20210429	04/29/21	SW8260	87-61-6	1,2,3-Trichlorobenzene		U	7.2	15	ug/l	UJ	l	LCS %R	-,64	70-130	%
5501628641	MW-16(NERT)-20210429	04/29/21	SW8260BSIM	123-91-1	1,4-Dioxane	0.62	J	0.27	1.4	ug/l	J	bt,bb,sp	TB Contamination < PQL; < PQL	1.1	2.2	ug/l
5501628641	MW-16(NERT)-20210429	04/29/21	SW8260	127-18-4	Tetrachloroethene	0.84	JD	0.59	1.0	ug/l	J	sp	< PQL			
5501627751	MW-20-20210428	04/28/21	E300.1	14866-68-3	Chlorate	41		9.8	40	ug/l	J+	m	MS/MSD %R	129, 131	75-125	%
5501627751	MW-20-20210428	04/28/21	E200.7	7440-47-3	Chromium (total)	0.0011	J	0.00085	0.010	mg/l	J	sp	< PQL			
5501627751	MW-20-20210428-EB19	04/28/21	E300.1	14866-68-3	Chlorate	14	J	9.8	40	ug/l	J	sp	< PQL			
5501625951	MW-25-20210426	04/26/21	E300.1	14866-68-3	Chlorate	80	J	24	100	ug/l	J	sp	< PQL			
5501627751	MW-3-20210428	04/28/21	E300.1	14866-68-3	Chlorate	4200		240	1000	ug/l	J+	m	MS/MSD %R	129, 131	75-125	%
5501627751	MW-4-20210428	04/28/21	E300.1	14866-68-3	Chlorate	2700	F1	240	1000	ug/l	J+	m	MS/MSD %R	129, 131	75-125	%
5501645881	MW-K4-20210528	05/28/21	E300	14797-55-8_N	Nitrate as N	8.6	H	0.014	0.050	mg/l	DNR	orr				
5501627751	MW-K5-20210428	04/28/21	SW8260BSIM	123-91-1	1,4-Dioxane	0.28	J	0.27	1.4	ug/l	J	bt,bb,sp	TB Contamination < PQL; < PQL	0.53	1.1	ug/l
5501627751	MW-K5-20210428	04/28/21	E200.7	7440-47-3	Chromium (total)	0.0029	J	0.00085	0.010	mg/l	J	sp	< PQL			
5501627751	MW-K5-20210428	04/28/21	E300.1	14866-68-3	Chlorate	11000		2400	10000	ug/l	J+	m	MS/MSD %R	129, 131	75-125	%
5501631851	NERT3.35S1-20210504	05/04/21	E300.1	14866-68-3	Chlorate	34	J	9.8	40	ug/l	J	sp	< PQL			
5501630371	NERT3.58N1-20210503	05/03/21	E300.1	14866-68-3	Chlorate	44	J	24	100	ug/l	J	sp	< PQL			
5501630371	NERT3.60N1-20210503	05/03/21	E300.1	14866-68-3	Chlorate	47	J	24	100	ug/l	J	sp	< PQL			
5501630371	NERT3.60N1-20210503	05/03/21	E200.7	7440-47-3	Chromium (total)	0.0018	J	0.00085	0.010	mg/l	J	sp	< PQL			
5501631851	NERT3.60S1-20210504	05/04/21	E200.7	7440-47-3	Chromium (total)	0.0043	J	0.00085	0.010	mg/l	J	sp	< PQL			
5501630371	NERT4.21N1-20210503	05/03/21	E300.1	14866-68-3	Chlorate	1400	F1	240	1000	ug/l	J+	m	MS/MSD %R	140, 135	75-125	%
5501630371	NERT4.21N1-20210503	05/03/21	E200.7	7440-47-3	Chromium (total)	0.0085	J	0.00085	0.010	mg/l	J	sp	< PQL			
5501630371	NERT4.38N1-20210503	05/03/21	E200.7	7440-47-3	Chromium (total)	0.0026	J	0.00085	0.010	mg/l	J	sp	< PQL			
5501632681	NERT4.64S1-20210505	05/05/21	E300.1	14866-68-3	Chlorate	3700		240	1000	ug/l	J+	m	MS/MSD %R	147, 138	75-125	%
5501630371	NERT4.65N1-20210503	05/03/21	E300.1	14866-68-3	Chlorate	13	J	4.9	20	ug/l	J	sp	< PQL			
5501676381	NERT5.49S1-20210722	07/22/21	E300.1	14866-68-3	Chlorate	33	J	24	100	ug/l	J	sp	< PQL			
5501645881	PC-101R-20210528	05/28/21	E300	14797-55-8_N	Nitrate as N	8.4	H	0.014	0.050	mg/l	DNR	orr				
5501645881	PC-101R-20210528	05/28/21	E200.7	7440-47-3	Chromium (total)	0.0063	J	0.00085	0.010	mg/l	J	sp	< PQL			
5501628641	PC-103-20210429	04/29/21	SW8260BSIM	123-91-1	1,4-Dioxane	0.54	J	0.27	1.4	ug/l	J	bt,bb,sp	TB Contamination < PQL; < PQL	1.1	2.2	ug/l
5501631851	PC-107-20210504	05/04/21	SW8260	75-34-3	1,1-Dichloroethane	0.46	J	0.23	0.50	ug/l	J	sp	< PQL			
5501636671	PC-115R-20210512	05/12/21	E300.1	14866-68-3	Chlorate	980	J	240	1000	ug/l	J	sp	< PQL			
5501636671	PC-115R-20210512	05/12/21	E314.0	14797-73-0	Perchlorate	2300		63	200	ug/l	J+	m	MS/MSD %R	122, 123	80-120	%
5501636672	PC-115R-20210512	05/12/21	E300	14797-55-8_N	Nitrate as N	0.89	Hcn	0.014	0.050	mg/l	DNR	orr				
5501636671	PC-115R-20210512-FD	05/12/21	E300	14797-55-8_N	Nitrate as N	0.93		0.014	0.050	mg/l	J-	m	MS/MSD %R	-0.4, -0.3	80-120	%
5501636671	PC-115R-20210512-FD	05/12/21	E300.1	14866-68-3	Chlorate	920	J	240	1000	ug/l	J	sp	< PQL			
5501563111	PC-116R-20210113	01/13/21	E200.7	7440-47-3	Chromium (total)	0.0015	J	0.00085	0.010	mg/l	J	sp	< PQL			
5501563111	PC-116R-20210113-FD	01/13/21	E200.7	7440-47-3	Chromium (total)	0.0011	J	0.00085	0.010	mg/l	J	sp	< PQL			
5501577921	PC-116R-20210203	02/03/21	E200.7	7440-47-3	Chromium (total)	0.0014	J	0.00085	0.010	mg/l	J	sp	< PQL			
5501594121	PC-116R-20210302	03/02/21	E200.7	7440-47-3	Chromium (total)	0.0026	J	0.00085	0.010	mg/l	J	sp	< PQL			
5501613331	PC-116R-20210406	04/06/21	E200.7	7440-47-3	Chromium (total)	0.0022	J	0.00085	0.010	mg/l	J	sp	< PQL			
5501636671	PC-116R-20210512	05/12/21	E300.1	14866-68-3	Chlorate	8900		490	2000	ug/l	J	m,ld	MS/MSD %R, RPD	-, -31; 44	75-125; ≤25	%
5501636671	PC-116R-20210512	05/12/21	E314.0	14797-73-0	Perchlorate	13000		630	2000	ug/l	J+	m	MS/MSD %R	122, 123	80-120	%
5501636671	PC-116R-20210512-EB	05/12/21	E300	14797-55-8_N	Nitrate as N	0.017	J	0.014	0.050	mg/l	J	sp	< PQL			
5501651711	PC-116R-20210609	06/09/21	E200.7	7440-47-3	Chromium (total)	0.0012	J	0.00085	0.010	mg/l	J	sp	< PQL			
5501563111	PC-117-20210113	01/13/21	E200.7	7440-47-3	Chromium (total)	0.0028	J	0.00085	0.010	mg/l	J	sp	< PQL			
5501563111	PC-117-20210113-EB	01/13/21	E314.0	14797-73-0	Perchlorate	0.94	J	0.31	1.0	ug/l	J	sp	< PQL			
5501577921	PC-117-20210203	02/03/21	E200.7	7440-47-3	Chromium (total)	0.0026	J	0.00085	0.010	mg/l	J	sp	< PQL			
5501594121	PC-117-20210302	03/02/21	E200.7	7440-47-3	Chromium (total)	0.0048	J	0.00085	0.010	mg/l	J	sp	< PQL			
5501613331	PC-117-20210406	04/06/21	E200.7	7440-47-3	Chromium (total)	0.0037	J	0.00085	0.010	mg/l	J	sp	< PQL			
5501636671	PC-117-20210512	05/12/21	E200.7	7440-47-3	Chromium (total)	0.0022	J	0.00085	0.010	mg/l	J	sp	< PQL			
5501636671	PC-117-20210512	05/12/21	E314.0	14797-73-0	Perchlorate	9800		63	200	ug/l	J+	m	MS/MSD %R	122, 123	80-120	%

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator	Qualification Finding	Acceptance Criteria	
5501636671	PC-117-20210512	05/12/21	E300	14797-55-8_N	Nitrate as N	3.8		0.014	0.050	mg/l	J-	m	MS/MSD %R	-0.4, -0.3	80-120	%
5501651711	PC-117-20210609	06/09/21	E200.7	7440-47-3	Chromium (total)	0.0023	J	0.00085	0.010	mg/l	J	sp	< PQL			
5501651711	PC-117-20210609-FD	06/09/21	E200.7	7440-47-3	Chromium (total)	0.0023	J	0.00085	0.010	mg/l	J	sp	< PQL			
5501636671	PC-118-20210512	05/12/21	E300	14797-55-8_N	Nitrate as N	0.73		0.014	0.050	mg/l	J-	m	MS/MSD %R	-0.4, -0.3	80-120	%
5501636671	PC-118-20210512	05/12/21	E314.0	14797-73-0	Perchlorate	1400		63	200	ug/l	J+	m	MS/MSD %R	122, 123	80-120	%
5501651711	PC-118-20210609	06/09/21	SM2540C	TDS	Dissolved Solids (total)	1500		20	20	mg/l	J+	be,ba	EB Contamination > PQL	1600	1600	mg/l
5501563111	PC-119-20210113	01/13/21	E300.1	14866-68-3	Chlorate	3.9	J	2.0	20	ug/l	J	sp	< PQL			
5501577921	PC-119-20210203	02/03/21	E200.7	7440-47-3	Chromium (total)	0.0024	J	0.00085	0.010	mg/l	J	sp	< PQL			
5501577921	PC-119-20210203	02/03/21	SM2540C	TDS	Dissolved Solids (total)	1500		20	20	mg/l	J+	be,ba	EB Contamination > PQL	1800	1800	mg/l
5501613331	PC-119-20210406	04/06/21	E300.1	14866-68-3	Chlorate	12	J	4.9	20	ug/l	J	sp	< PQL			
5501636671	PC-119-20210512	05/12/21	E314.0	14797-73-0	Perchlorate	180		3.1	10	ug/l	J+	m	MS/MSD %R	122, 123	80-120	%
5501636671	PC-119-20210512	05/12/21	E300	14797-55-8_N	Nitrate as N	0.22		0.014	0.050	mg/l	J-	m	MS/MSD %R	-0.4, -0.3	80-120	%
5501577921	PC-120-20210203	02/03/21	E300.1	14866-68-3	Chlorate	87	J	24	100	ug/l	J	sp	< PQL			
5501594121	PC-120-20210302 FD	03/02/21	E200.7	7440-47-3	Chromium (total)	0.0012	J	0.00085	0.010	mg/l	J	sp	< PQL			
5501636671	PC-120-20210512	05/12/21	E300	14797-55-8_N	Nitrate as N	0.030	J	0.014	0.050	mg/l	J-	m,sp	MS/MSD %R, < PQL	-0.4, -0.3	80-120	%
5501636671	PC-120-20210512	05/12/21	E314.0	14797-73-0	Perchlorate	11		0.31	1.0	ug/l	J+	m	MS/MSD %R	122, 123	80-120	%
5501651711	PC-120-20210609	06/09/21	E300	14797-55-8_N	Nitrate as N	0.021	J	0.014	0.050	mg/l	J	sp	< PQL			
5501594121	PC-121-20210302 EB	03/02/21	E200.7	7440-47-3	Chromium (total)	0.0015	J	0.00085	0.010	mg/l	J	sp	< PQL			
5501613331	PC-121-20210406	04/06/21	E300	14797-55-8_N	Nitrate as N	0.032	J	0.014	0.050	mg/l	J	sp	< PQL			
5501636671	PC-121-20210512	05/12/21	E314.0	14797-73-0	Perchlorate	24	F1	0.31	1.0	ug/l	J+	m	MS/MSD %R	122, 123	80-120	%
5501636671	PC-121-20210512	05/12/21	E300	14797-55-8_N	Nitrate as N	0.12		0.014	0.050	mg/l	J-	m	MS/MSD %R	-0.4, -0.3	80-120	%
5501663511	PC-122-20210701	07/01/21	SW8260BSIM	123-91-1	1,4-Dioxane	0.67	J	0.27	1.4	ug/l	J	sp	< PQL			
5501663511	PC-122-20210701	07/01/21	SW8260	75-35-4	1,1-Dichloroethene	0.45	J	0.31	0.50	ug/l	J	sp	< PQL			
5501663511	PC-122-20210701	07/01/21	SW8260BSIM	96-18-4	1,2,3-Trichloropropane	0.019	J	0.0038	0.020	ug/l	J	sp	< PQL			
5501663511	PC-122-20210701	07/01/21	SW8260	79-01-6	Trichloroethene	0.35	J	0.26	0.50	ug/l	J	sp	< PQL			
5501645431	PC-123-20210527	05/27/21	SW8260	56-23-5	Carbon Tetrachloride	1.7		0.28	0.50	ug/l	J+	s	Surrogate %R	140	70-130	%
5501645431	PC-123-20210527	05/27/21	SW8260	127-18-4	Tetrachloroethene	2.6		0.30	0.50	ug/l	J+	s	Surrogate %R	140	70-130	%
5501645431	PC-123-20210527	05/27/21	SW8260	79-01-6	Trichloroethene	0.26	J	0.26	0.50	ug/l	J	sp	< PQL			
5501645431	PC-124-20210527	05/27/21	SW8260BSIM	96-18-4	1,2,3-Trichloropropane	0.0088	J	0.0038	0.020	ug/l	J	sp	< PQL			
5501645431	PC-124-20210527	05/27/21	SW8260	67-66-3	Chloroform	310	D	1.0	2.5	ug/l	J+	s	Surrogate %R	140	70-130	%
5501645431	PC-124-20210527	05/27/21	SW8260BSIM	123-91-1	1,4-Dioxane	0.52	J	0.27	1.4	ug/l	J	sp	< PQL			
5501645431	PC-124-20210527	05/27/21	SW8260	127-18-4	Tetrachloroethene	2.0		0.30	0.50	ug/l	J+	s	Surrogate %R	137	70-130	%
5501645431	PC-124-20210527	05/27/21	SW8260	75-35-4	1,1-Dichloroethene	1.2		0.31	0.50	ug/l	J+	s	Surrogate %R	137	70-130	%
5501645431	PC-124-20210527	05/27/21	SW8260	56-23-5	Carbon Tetrachloride	1.2		0.28	0.50	ug/l	J+	s	Surrogate %R	137	70-130	%
5501645431	PC-126-20210527	05/27/21	SW8260	56-23-5	Carbon Tetrachloride	3.7		0.28	0.50	ug/l	J+	s	Surrogate %R	137	70-130	%
5501645431	PC-126-20210527	05/27/21	SW8260	75-35-4	1,1-Dichloroethene	1.5		0.31	0.50	ug/l	J+	s	Surrogate %R	137	70-130	%
5501645431	PC-126-20210527	05/27/21	SW8260	127-18-4	Tetrachloroethene	5.4		0.30	0.50	ug/l	J+	s	Surrogate %R	137	70-130	%
5501645431	PC-126-20210527	05/27/21	SW8260BSIM	123-91-1	1,4-Dioxane	0.86	J	0.27	1.4	ug/l	J	sp	< PQL			
5501645431	PC-126-20210527	05/27/21	SW8260	67-66-3	Chloroform	460	D	2.1	5.0	ug/l	J+	s	Surrogate %R	136	70-130	%
5501645431	PC-126-20210527-EB16	05/27/21	E300.1	14866-68-3	Chlorate	14	J	4.9	20	ug/l	J	sp	< PQL			
5501645431	PC-126-20210527-EB16	05/27/21	E200.7	7440-47-3	Chromium (total)	0.0013	J	0.00085	0.010	mg/l	J	sp	< PQL			
5501645431	PC-126-20210527-EB16	05/27/21	SW8260	75-27-4	Bromodichloromethane	0.27	J	0.23	0.50	ug/l	J+	s,sp	Surrogate %R, < PQL	134	70-130	%
5501645431	PC-126-20210527-EB16	05/27/21	E314.0	14797-73-0	Perchlorate	0.96	J	0.31	1.0	ug/l	J	sp	< PQL			
5501645431	PC-129-20210527	05/27/21	SW8260	127-18-4	Tetrachloroethene	0.49	J	0.30	0.50	ug/l	J	bt,ba,sp	TB Contamination > PQL, <PQL	7.1	14.2	ug/l
5501645431	PC-129-20210527	05/27/21	SW8260	75-00-3	Chloroethane		U*-	0.49	1.0	ug/l	UJ	l	LCS %R	-,69	70-130	%
5501645431	PC-129-20210527-TB29	05/27/21	SW8260BSIM	96-18-4	1,2,3-Trichloropropane		U	0.0038	0.020	ug/l	UJ	vh	Headspace in containers			
5501645431	PC-129-20210527-TB29	05/27/21	SW8260	179601-23-1	m,p-xylene	0.89	J	0.34	1.0	ug/l	J	sp	< PQL			
5501645431	PC-129-20210527-TB29	05/27/21	SW8260	79-01-6	Trichloroethene	0.32	J	0.26	0.50	ug/l	J	sp	< PQL			
5501645431	PC-129-20210527-TB29	05/27/21	SW8260	95-47-6	ortho-xylene	0.35	J	0.27	0.50	ug/l	J	sp	< PQL			
5501645431	PC-129-20210527-TB29	05/27/21	SW8260BSIM	123-91-1	1,4-Dioxane		U	0.27	1.4	ug/l	UJ	vh	Headspace in containers			
5501626911	PC-130-20210427	04/27/21	SW8260	127-18-4	Tetrachloroethene	0.43	J	0.30	0.50	ug/l	J	sp	< PQL			
5501626911	PC-130-20210427	04/27/21	SW8260BSIM	123-91-1	1,4-Dioxane	0.88	J	0.27	1.4	ug/l	J	bt,bb,sp	TB Contamination < PQL; < PQL	0.46; 0.39	0.92; 0.78	ug/l
5501626911	PC-130-20210427	04/27/21	SW8260	95-50-1	1,2-Dichlorobenzene	0.27	J	0.26	0.50	ug/l	J	sp	< PQL			
5501626911	PC-130-20210427	04/27/21	E300.1	14866-68-3	Chlorate	290000		9800	40000	ug/l	J+	m	MS/MSD %R	135,-	75-125	%
5501626911	PC-130-20210427-TB2	04/27/21	SW8260BSIM	123-91-1	1,4-Dioxane	0.46	J	0.27	1.4	ug/l	J	sp	< PQL			
5501645431	PC-131-20210527	05/27/21	SW8260BSIM	123-91-1	1,4-Dioxane	0.68	J	0.27	1.4	ug/l	J	sp	< PQL			
5501645431	PC-131-20210527	05/27/21	SW8260	127-18-4	Tetrachloroethene	1.1		0.30	0.50	ug/l	J+	bt,ba	TB Contamination > PQL	7.1	14.2	ug/l
5501645431	PC-131-20210527	05/27/21	SW8260	179601-23-1	m,p-xylene	0.37	J	0.34	1.0	ug/l	J	bt,bb,sp	TB Contamination < PQL; < PQL	0.370	0.740	ug/l

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator	Qualification Finding	Acceptance Criteria	
5501645431	PC-131-20210527	05/27/21	SW8260	108-88-3	Toluene	0.32	J	0.28	0.50	ug/l	J	sp	< PQL			
5501645431	PC-131-20210527	05/27/21	SW8260	87-61-6	1,2,3-Trichlorobenzene	2.7	J	1.4	3.0	ug/l	J	sp	< PQL			
5501645431	PC-131-20210527	05/27/21	SW8260	120-82-1	1,2,4-Trichlorobenzene	11	*1	0.89	2.0	ug/l	J	ld	LCS/LCSD RPD	21	≤20	%
5501645431	PC-132-20210527	05/27/21	E300	14797-55-8_N	Nitrate as N	0.042	J	0.014	0.050	mg/l	J	sp	< PQL			
5501645431	PC-132-20210527	05/27/21	SW8260	67-66-3	Chloroform	0.27	J	0.21	0.50	ug/l	J	sp	< PQL			
5501645431	PC-132-20210527	05/27/21	SW8260BSIM	96-18-4	1,2,3-Trichloropropane	0.0047	J	0.0038	0.020	ug/l	J	sp	< PQL			
5501645431	PC-132-20210527	05/27/21	SW8260	75-00-3	Chloroethane		U*-	0.49	1.0	ug/l	UJ	l	LCS %R	-,69	70-130	%
5501645431	PC-132-20210527	05/27/21	SW8260BSIM	123-91-1	1,4-Dioxane	0.46	J	0.27	1.4	ug/l	J	sp	< PQL			
5501563111	PC-133-20210113	01/13/21	E300	14797-55-8_N	Nitrate as N	0.025	J	0.014	0.050	mg/l	J	sp	< PQL			
5501577921	PC-133-20210203	02/03/21	E300.1	14866-68-3	Chlorate	80	J	24	100	ug/l	J	sp	< PQL			
5501594121	PC-133-20210302	03/02/21	E300	14797-55-8_N	Nitrate as N	0.044	J	0.014	0.050	mg/l	J	sp	< PQL			
5501594121	PC-133-20210302	03/02/21	E300.1	14866-68-3	Chlorate	62	J	24	100	ug/l	J	sp	< PQL			
5501613331	PC-133-20210406	04/06/21	E300.1	14866-68-3	Chlorate	35	JF1	9.8	40	ug/l	J+	m,sp	MS/MSD %R, < PQL	126,-	75-125	%
5501613331	PC-133-20210406	04/06/21	E300	14797-55-8_N	Nitrate as N	0.19		0.014	0.050	mg/l	J	fd	FD RPD	68	≤30	%
5501613331	PC-133-20210406-FD	04/06/21	E300.1	14866-68-3	Chlorate	34	J	9.8	40	ug/l	J+	m,sp	MS/MSD %R, < PQL	126,-	75-125	%
5501613331	PC-133-20210406-FD	04/06/21	E300	14797-55-8_N	Nitrate as N	0.094		0.014	0.050	mg/l	J	fd	FD RPD	68	≤30	%
5501636671	PC-133-20210512	05/12/21	E314.0	14797-73-0	Perchlorate	970		63	200	ug/l	J+	m	MS/MSD %R	122, 123	80-120	%
5501636671	PC-133-20210512	05/12/21	E300.1	14866-68-3	Chlorate	33	J	9.8	40	ug/l	J	sp	< PQL			
5501636671	PC-133-20210512	05/12/21	E300	14797-55-8_N	Nitrate as N	0.18		0.014	0.050	mg/l	J-	m	MS/MSD %R	-0.4, -0.3	80-120	%
5501651711	PC-133-20210609	06/09/21	E300.1	14866-68-3	Chlorate	35	J	9.8	40	ug/l	J	sp	< PQL			
5501645881	PC-134A-20210528	05/28/21	E300	14797-55-8_N	Nitrate as N	0.048	JH	0.014	0.050	mg/l	DNR	orr				
5501645881	PC-134A-20210528-EB15	05/28/21	E300.1	14866-68-3	Chlorate	7.8	J	4.9	20	ug/l	J	sp	< PQL			
5501645881	PC-134A-20210528-EB15	05/28/21	SW8260	108-88-3	Toluene	0.39	J	0.28	0.50	ug/l	J	sp	< PQL			
5501645881	PC-134A-20210528-EB15	05/28/21	E300	14797-55-8_N	Nitrate as N		UH	0.014	0.050	mg/l	DNR	orr				
5501645881	PC-135A-20210528	05/28/21	SW8260	79-01-6	Trichloroethene	0.26	J	0.26	0.50	ug/l	J	sp	< PQL			
5501625951	PC-136-20210426	04/26/21	E300	14797-55-8_N	Nitrate as N	15	F1	0.014	0.050	mg/l	J-	m	MS/MSD %R	78, 71	80-120	%
5501625951	PC-137-20210426	04/26/21	E300	14797-55-8_N	Nitrate as N		U	0.014	0.050	mg/l	UJ	m	MS/MSD %R	78, 71	80-120	%
5501625951	PC-137D-20210426	04/26/21	E300	14797-55-8_N	Nitrate as N		U	0.014	0.050	mg/l	UJ	m	MS/MSD %R	78, 71	80-120	%
5501625951	PC-137D-20210426	04/26/21	SW8260BSIM	123-91-1	1,4-Dioxane	0.42	J	0.27	1.4	ug/l	J	bt,bb,sp	TB Contamination < PQL; < PQL	0.28	0.56	ug/l
5501625951	PC-137D-20210426	04/26/21	E300.1	14866-68-3	Chlorate	17	J	4.9	20	ug/l	J	sp	< PQL			
5501625951	PC-137D-20210426-TB1	04/26/21	SW8260BSIM	123-91-1	1,4-Dioxane	0.28	J	0.27	1.4	ug/l	J	sp	< PQL			
5501644631	PC-142-20210526	05/26/21	SW8260	67-66-3	Chloroform	0.62	cn	0.21	0.50	ug/l	J+	s	Surrogate %R	134	70-130	%
5501644631	PC-142-20210526	05/26/21	SW8260	79-01-6	Trichloroethene	0.32	J	0.26	0.50	ug/l	J	sp	< PQL			
5501645881	PC-143-20210528	05/28/21	E200.7	7440-47-3	Chromium (total)	0.0020	J	0.00085	0.010	mg/l	J	sp	< PQL			
5501645881	PC-143-20210528-FB15	05/28/21	SW8260	75-35-4	1,1-Dichloroethene		UF1	0.31	0.50	ug/l	UJ	m	MS/MSD %R	31,31	53-150	%
5501645881	PC-143-20210528-FB15	05/28/21	SW8260	75-00-3	Chloroethane		UF1	0.49	1.0	ug/l	UJ	m	MS/MSD %R	29,27	60-143	%
5501645881	PC-143-20210528-FB15	05/28/21	SW8260	56-23-5	Carbon Tetrachloride		UF1	0.28	0.50	ug/l	UJ	m	MS/MSD %R	27,27	60-146	%
5501645881	PC-143-20210528-FB15	05/28/21	SW8260	108-88-3	Toluene	0.49	J	0.28	0.50	ug/l	J	sp	< PQL			
5501645881	PC-143-20210528-FB15	05/28/21	SW8260	87-61-6	1,2,3-Trichlorobenzene	1.9	J	1.4	3.0	ug/l	J	sp	< PQL			
5501645881	PC-143-20210528-FB15	05/28/21	SW8260	120-82-1	1,2,4-Trichlorobenzene	1.0	J	0.89	2.0	ug/l	J	sp	< PQL			
5501645881	PC-144-20210528	05/28/21	E300	14797-55-8_N	Nitrate as N	14	H	0.014	0.050	mg/l	DNR	orr				
5501645881	PC-144-20210528	05/28/21	SW8260BSIM	96-18-4	1,2,3-Trichloropropane	0.014	J	0.0038	0.020	ug/l	J	sp	< PQL			
5501645881	PC-145-20210528	05/28/21	E300	14797-55-8_N	Nitrate as N	17	H	0.014	0.050	mg/l	DNR	orr				
5501645881	PC-145-20210528	05/28/21	SW8260BSIM	96-18-4	1,2,3-Trichloropropane	0.0098	J	0.0038	0.020	ug/l	J	sp	< PQL			
5501645881	PC-145-20210528	05/28/21	SW8260BSIM	123-91-1	1,4-Dioxane	0.35	J	0.27	1.4	ug/l	J	sp	< PQL			
5501645881	PC-145-20210528	05/28/21	SW8260	56-23-5	Carbon Tetrachloride	0.72	*-	0.28	0.50	ug/l	J-	l	LCS %R	-,69	70-130	%
5501645431	PC-148-20210527	05/27/21	E200.7	7440-47-3	Chromium (total)	0.0018	J	0.00085	0.010	mg/l	J	sp	< PQL			
5501645431	PC-148-20210527	05/27/21	SW8260	179601-23-1	m,p-xylene	0.42	J	0.34	1.0	ug/l	J	bt,bb,sp	TB Contamination < PQL; < PQL	0.420	0.840	ug/l
5501645431	PC-148-20210527	05/27/21	SW8260	108-88-3	Toluene	0.33	J	0.28	0.50	ug/l	J	sp	< PQL			
5501645431	PC-148-20210527	05/27/21	SW8260	75-34-3	1,1-Dichloroethane	0.33	J	0.23	0.50	ug/l	J	sp	< PQL			
5501644631	PC-149-20210526	05/26/21	SW8260	75-34-3	1,1-Dichloroethane	0.24	J	0.23	0.50	ug/l	J	sp	< PQL			
5501613321	PC-150-20210406	04/06/21	E300	14797-55-8_N	Nitrate as N	9.9		0.014	0.050	mg/l	J	fd	FD RPD	53	≤30	%
5501613321	PC-150-20210406-FD	04/06/21	E300	14797-55-8_N	Nitrate as N	17		0.014	0.050	mg/l	J	fd	FD RPD	53	≤30	%
5501636661	PC-150-20210512	05/12/21	E314.0	14797-73-0	Perchlorate	48000		630	2000	ug/l	J+	m	MS/MSD %R	122, 123	80-120	%
5501645431	PC-151-20210527	05/27/21	SW8260	120-82-1	1,2,4-Trichlorobenzene	1.4	J	0.89	2.0	ug/l	J	sp	< PQL			
5501626911	PC-152-20210427	04/27/21	E300.1	14866-68-3	Chlorate	3000		490	2000	ug/l	J+	m	MS/MSD %R	135,-	75-125	%
5501626911	PC-152-20210427	04/27/21	E200.7	7440-47-3	Chromium (total)	0.0049	J	0.00085	0.010	mg/l	J	sp	< PQL			
5501645431	PC-153R-20210527	05/27/21	SW8260	108-90-7	Chlorobenzene	0.30	J	0.23	0.50	ug/l	J	sp	< PQL			

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator	Qualification Finding	Acceptance Criteria	
5501645431	PC-153R-20210527	05/27/21	SW8260	79-01-6	Trichloroethene	0.43	J	0.26	0.50	ug/l	J	sp	< PQL			
5501645431	PC-154-20210527	05/27/21	SW8260	75-34-3	1,1-Dichloroethane	0.41	J	0.23	0.50	ug/l	J	sp	< PQL			
5501673541	PC-155A-20210719	07/19/21	SW8260BSIM	123-91-1	1,4-Dioxane	0.42	J	0.27	1.4	ug/l	J	bt,bb	TB Contamination < PQL	0.41	0.82	ug/l
5501673541	PC-155A-20210719	07/19/21	E200.7	7440-47-3	Chromium (total)	0.0046	J	0.00085	0.010	mg/l	J	sp	< PQL			
5501673541	PC-155A-20210719	07/19/21	SW8260	75-71-8	Dichlorodifluoromethane	0.67	J^+	0.46	1.0	ug/l	J	sp	< PQL			
5501673541	PC-155A-20210719-TB33	07/19/21	SW8260BSIM	123-91-1	1,4-Dioxane	0.41	J	0.27	1.4	ug/l	J	sp	< PQL			
5501673541	PC-155B-20210719	07/19/21	SW8260	75-71-8	Dichlorodifluoromethane	0.63	J^+	0.46	1.0	ug/l	J	bl,ba	Blank Contamination > PQL	3.47	6.94	ug/l
5501676911	PC-156A-20210723	07/23/21	SW8260BSIM	123-91-1	1,4-Dioxane	0.64	JB	0.27	1.4	ug/l	J	bl,bb,bt	Blank and TB Contamination < PQL	0.319; 0.31	0.638; 0.62	ug/l
5501676911	PC-156A-20210723	07/23/21	E300	14797-55-8_N	Nitrate as N	0.030	J	0.014	0.050	mg/l	J	sp	< PQL			
5501676911	PC-156A-20210723-FB27	07/23/21	SW8260	108-88-3	Toluene	0.47	J	0.28	0.50	ug/l	J	bt,bb	TB Contamination < PQL	0.470	0.940	ug/l
5501676911	PC-156B-20210723	07/23/21	SW8260BSIM	123-91-1	1,4-Dioxane	1.1	J	0.27	1.4	ug/l	J	bt,bb	TB Contamination < PQL	0.31	0.62	ug/l
5501676911	PC-156B-20210723	07/23/21	E200.7	7440-47-3	Chromium (total)	0.0030	J	0.00085	0.010	mg/l	J	sp	< PQL			
5501676911	PC-156B-20210723-TB34	07/23/21	SW8260	108-88-3	Toluene	0.44	J	0.28	0.50	ug/l	J	sp	< PQL			
5501676911	PC-156B-20210723-TB34	07/23/21	SW8260BSIM	123-91-1	1,4-Dioxane	0.31	JB	0.27	1.4	ug/l	J	bl,bb	Blank Contamination < PQL	0.319	0.638	ug/l
5501676911	PC-156B-20210723-TB34	07/23/21	SW8260	75-09-2	Methylene Chloride	1.8	J	1.4	5.0	ug/l	J	sp	< PQL			
5501672971	PC-157A-20210716	07/16/21	SW8260	75-71-8	Dichlorodifluoromethane	0.68	J^+	0.46	1.0	ug/l	J	bl,ba	Blank Contamination > PQL	3.47	6.94	ug/l
5501672971	PC-157A-20210716	07/16/21	E300	14797-55-8_N	Nitrate as N	0.41	F2F1	0.014	0.050	mg/l	J	m,ld	MS/MSD %R, RPD	9, 4; 25	80-120; ≤20	%
5501672971	PC-157A-20210716-TB32	07/16/21	SW8260	108-88-3	Toluene	0.48	J	0.28	0.50	ug/l	J	sp	< PQL			
5501672971	PC-157A-20210716-TB32	07/16/21	SW8260BSIM	123-91-1	1,4-Dioxane	0.55	J	0.27	1.4	ug/l	J	sp	< PQL			
5501672971	PC-157B-20210716	07/16/21	SW8260	75-71-8	Dichlorodifluoromethane	0.65	J^+	0.46	1.0	ug/l	J	bl,ba	Blank Contamination > PQL	3.47	6.94	ug/l
5501672971	PC-157B-20210716	07/16/21	E300	14797-55-8_N	Nitrate as N	3.6		0.014	0.050	mg/l	J	m,ld	MS/MSD %R, RPD	9, 4; 25	80-120; ≤20	%
5501645431	PC-158-20210527	05/27/21	SW8260	75-27-4	Bromodichloromethane	0.28	J	0.23	0.50	ug/l	J	sp	< PQL			
5501645431	PC-158-20210527-FD16	05/27/21	SW8260	75-27-4	Bromodichloromethane	0.26	J	0.23	0.50	ug/l	J	sp	< PQL			
5501645431	PC-160-20210527	05/27/21	SW8260	120-82-1	1,2,4-Trichlorobenzene	1.1	J	0.89	2.0	ug/l	J	sp	< PQL			
5501645431	PC-160-20210527	05/27/21	SW8260	541-73-1	1,3-Dichlorobenzene	0.23	J	0.23	0.50	ug/l	J	sp	< PQL			
5501645431	PC-18-20210527	05/27/21	SW8260	541-73-1	1,3-Dichlorobenzene	1.2		0.23	0.50	ug/l	J+	s	Surrogate %R	137	70-130	%
5501645431	PC-18-20210527	05/27/21	SW8260	95-50-1	1,2-Dichlorobenzene	4.0		0.26	0.50	ug/l	J+	s	Surrogate %R	137	70-130	%
5501645431	PC-18-20210527	05/27/21	SW8260BSIM	96-18-4	1,2,3-Trichloropropane	0.019	J	0.0038	0.020	ug/l	J	sp	< PQL			
5501645431	PC-18-20210527	05/27/21	SW8260	87-61-6	1,2,3-Trichlorobenzene	1.8	J	1.4	3.0	ug/l	J+	s,sp	Surrogate %R, < PQL	137	70-130	%
5501645431	PC-18-20210527	05/27/21	SW8260	75-34-3	1,1-Dichloroethane	5.6		0.23	0.50	ug/l	J+	s	Surrogate %R	137	70-130	%
5501645431	PC-18-20210527	05/27/21	SW8260	120-82-1	1,2,4-Trichlorobenzene	4.9		0.89	2.0	ug/l	J+	s	Surrogate %R	137	70-130	%
5501645431	PC-18-20210527	05/27/21	SW8260	106-46-7	1,4-Dichlorobenzene	2.7		0.22	0.50	ug/l	J+	s	Surrogate %R	137	70-130	%
5501645431	PC-18-20210527	05/27/21	SW8260	67-66-3	Chloroform	2.4		0.21	0.50	ug/l	J+	s	Surrogate %R	137	70-130	%
5501627751	PC-188-20210428	04/28/21	SW8260	98-06-6	tert-Butylbenzene	0.36	JB	0.29	0.50	ug/l	J	bt,bl,bb,sp	Blank and TB Contamination < PQL, < PQL	0.379; 0.42; 1.2	0.758; 0.84; 2.4	ug/l
5501627751	PC-188-20210428	04/28/21	SW8260BSIM	123-91-1	1,4-Dioxane	0.49	J	0.27	1.4	ug/l	J	bt,bb,sp	TB Contamination < PQL; < PQL	0.53	1.06	ug/l
5501627751	PC-188-20210428	04/28/21	E300.1	14866-68-3	Chlorate	48000		2400	10000	ug/l	J+	m	MS/MSD %R	-, 131	75-125	%
5501627751	PC-188-20210428	04/28/21	E314.0	14797-73-0	Perchlorate	280000		6300	20000	ug/l	J-	m	MS/MSD %R	50, 56	80-120	%
5501627751	PC-189-20210428	04/28/21	SW8260	98-06-6	tert-Butylbenzene	0.36	JB	0.29	0.50	ug/l	J	bt,bl,bb,sp	Blank and TB Contamination < PQL, < PQL	0.379; 0.42; 1.2	0.758; 0.84; 2.4	ug/l
5501627751	PC-189-20210428	04/28/21	E314.0	14797-73-0	Perchlorate	28000		630	2000	ug/l	J-	m	MS/MSD %R	50, 56	80-120	%
5501627751	PC-189-20210428-TB6	04/28/21	SW8260	103-65-1	n-Propylbenzene	0.37	J	0.33	0.50	ug/l	J	sp	< PQL			
5501627751	PC-189-20210428-TB6	04/28/21	SW8260	108-67-8	1,3,5-Trimethylbenzene	0.42	J	0.30	0.50	ug/l	J	sp	< PQL			
5501627751	PC-191-20210428	04/28/21	E300.1	14866-68-3	Chlorate	8000		240	1000	ug/l	J+	m	MS/MSD %R	129, 131	75-125	%
5501627751	PC-191-20210428-FD5	04/28/21	SW8260	127-18-4	Tetrachloroethene	0.33	J	0.30	0.50	ug/l	J	sp	< PQL			
5501627751	PC-191-20210428-FD5	04/28/21	E300.1	14866-68-3	Chlorate	7000	F1	240	1000	ug/l	J+	m	MS/MSD %R	-, 131	75-125	%
5501626911	PC-195-20210427	04/27/21	E300.1	14866-68-3	Chlorate	13	J	4.9	20	ug/l	J	sp	< PQL			
5501626911	PC-195-20210427	04/27/21	SW8260	67-66-3	Chloroform	0.43	J	0.21	0.50	ug/l	J+	s,sp	Surrogate %R, < PQL	153	70-130	%
5501628641	PC-197-20210429	04/29/21	E300.1	14866-68-3	Chlorate	10	J	4.9	20	ug/l	J	sp	< PQL			
5501633751	PC-198-20210506	05/06/21	E300	14797-55-8_N	Nitrate as N	0.028	J	0.014	0.050	mg/l	J	m,ld,sp	MS/MSD %R, RPD, < PQL	77, -; 24	80-120; ≤20	%
5501633751	PC-199-20210506	05/06/21	E300	14797-55-8_N	Nitrate as N		U	0.014	0.050	mg/l	UJ	m,ld	MS/MSD %R, RPD	77, -; 24	80-120; ≤20	%
5501631851	PC-21A-20210504	05/04/21	SW8260	75-35-4	1,1-Dichloroethene	0.32	J	0.31	0.50	ug/l	J	sp	< PQL			
5501631851	PC-21A-20210504	05/04/21	SW8260	56-23-5	Carbon Tetrachloride	0.48	J	0.28	0.50	ug/l	J	sp	< PQL			
5501631851	PC-21A-20210504	05/04/21	SW8260BSIM	96-18-4	1,2,3-Trichloropropane	0.011	J	0.0038	0.020	ug/l	J	sp	< PQL			
5501627751	PC-2-20210428	04/28/21	SW8260BSIM	123-91-1	1,4-Dioxane	0.68	J	0.27	1.4	ug/l	J	bt,bb,sp	TB Contamination < PQL; < PQL	0.53	1.06	ug/l
5501627751	PC-2-20210428	04/28/21	E200.7	7440-47-3	Chromium (total)	0.0015	J	0.00085	0.010	mg/l	J	sp	< PQL			
5501627751	PC-2-20210428	04/28/21	E300.1	14866-68-3	Chlorate	3600		490	2000	ug/l	J+	m	MS/MSD %R	129, 131	75-125	%
5501645431	PC-24-20210527	05/27/21	SW8260	127-18-4	Tetrachloroethene	0.37	J	0.30	0.50	ug/l	J	sp	< PQL			
5501645431	PC-28-20210527	05/27/21	SW8260	87-61-6	1,2,3-Trichlorobenzene	1.8	J	1.4	3.0	ug/l	J	sp	< PQL			
5501645431	PC-28-20210527	05/27/21	SW8260	120-82-1	1,2,4-Trichlorobenzene	1.0	J	0.89	2.0	ug/l	J	sp	< PQL			

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator	Qualification Finding	Acceptance Criteria	
5501645431	PC-31-20210527	05/27/21	SW8260	108-90-7	Chlorobenzene	0.39	J	0.23	0.50	ug/l	J	sp	< PQL			
5501645431	PC-31-20210527	05/27/21	SW8260	541-73-1	1,3-Dichlorobenzene	0.45	J	0.23	0.50	ug/l	J	sp	< PQL			
5501645431	PC-31-20210527-TB30	05/27/21	SW8260	108-88-3	Toluene	0.39	J	0.28	0.50	ug/l	J	sp	< PQL			
5501633751	PC-40R-20210506	05/06/21	E300.1	14866-68-3	Chlorate	2600		98	400	ug/l	J+	m	MS/MSD %R	142, -	75-125	%
5501633751	PC-40R-20210506	05/06/21	SW8260	108-90-7	Chlorobenzene	0.31	J	0.23	0.50	ug/l	J	sp	< PQL			
5501633751	PC-40R-20210506	05/06/21	E300	14797-55-8_N	Nitrate as N	0.13		0.014	0.050	mg/l	J	m,ld	MS/MSD %R, RPD	77, -; 24	80-120; ≤20	%
5501633751	PC-40R-20210506	05/06/21	SW8260BSIM	96-18-4	1,2,3-Trichloropropane	0.010	J	0.0038	0.020	ug/l	J	sp	< PQL			
5501633751	PC-40R-20210506	05/06/21	SW8260	120-82-1	1,2,4-Trichlorobenzene	1.7	J	0.89	2.0	ug/l	J	sp	< PQL			
5501645881	PC-4-20210528	05/28/21	SW8260BSIM	123-91-1	1,4-Dioxane	1.0	J	0.27	1.4	ug/l	J	sp	< PQL			
5501645881	PC-4-20210528	05/28/21	SW8260	79-01-6	Trichloroethene	0.27	J	0.26	0.50	ug/l	J	sp	< PQL			
5501645431	PC-50-20210527	05/27/21	SW8260	87-61-6	1,2,3-Trichlorobenzene	2.7	J	1.4	3.0	ug/l	J	sp	< PQL			
5501645431	PC-50-20210527	05/27/21	SW8260BSIM	96-18-4	1,2,3-Trichloropropane	0.0080	J	0.0038	0.020	ug/l	J	sp	< PQL			
5501645431	PC-50-20210527	05/27/21	SW8260	108-90-7	Chlorobenzene	0.39	J	0.23	0.50	ug/l	J	sp	< PQL			
5501645431	PC-50-20210527	05/27/21	SW8260	127-18-4	Tetrachloroethene	0.33	J	0.30	0.50	ug/l	J	sp	< PQL			
5501645431	PC-50-20210527	05/27/21	E200.7	7440-47-3	Chromium (total)	0.0079	J	0.00085	0.010	mg/l	J	sp	< PQL			
5501627751	PC-53-20210428	04/28/21	SW8260	79-01-6	Trichloroethene	0.38	J	0.26	0.50	ug/l	J	sp	< PQL			
5501627751	PC-53-20210428	04/28/21	SW8260	79-00-5	1,1,2-Trichloroethane	0.43	J	0.26	0.50	ug/l	J	sp	< PQL			
5501627751	PC-53-20210428	04/28/21	SW8260	127-18-4	Tetrachloroethene	0.32	J	0.30	0.50	ug/l	J	sp	< PQL			
5501627751	PC-53-20210428	04/28/21	SW8260BSIM	123-91-1	1,4-Dioxane	0.32	J	0.27	1.4	ug/l	J	bt,bb,sp	TB Contamination < PQL; < PQL	0.53	1.06	ug/l
5501627751	PC-53-20210428	04/28/21	E300.1	14866-68-3	Chlorate	200000		9800	40000	ug/l	J+	m	MS/MSD %R	-, 131	75-125	%
5501631851	PC-54-20210504	05/04/21	SW8260	87-61-6	1,2,3-Trichlorobenzene	1.7	J	1.4	3.0	ug/l	J	sp	< PQL			
5501631851	PC-54-20210504	05/04/21	SW8260	120-82-1	1,2,4-Trichlorobenzene	1.1	J	0.89	2.0	ug/l	J	sp	< PQL			
5501631851	PC-54-20210504	05/04/21	SW8260BSIM	123-91-1	1,4-Dioxane	0.61	J	0.27	1.4	ug/l	J	sp	< PQL			
5501631851	PC-54-20210504	05/04/21	SW8260	156-60-5	trans-1,2-Dichloroethene	0.47	J	0.32	0.50	ug/l	J	sp	< PQL			
5501645431	PC-55-20210527	05/27/21	SW8260	120-82-1	1,2,4-Trichlorobenzene	1.6	J	0.89	2.0	ug/l	J	sp	< PQL			
5501645431	PC-55-20210527	05/27/21	SW8260	67-66-3	Chloroform	0.37	J	0.21	0.50	ug/l	J	sp	< PQL			
5501634441	PC-56-20210507	05/07/21	SW8260	98-06-6	tert-Butylbenzene	0.38	J	0.29	0.50	ug/l	J	bl,bb,sp	Blank Contamination < PQL, <PQL	0.353	0.706	ug/l
5501634441	PC-56-20210507	05/07/21	SW8260BSIM	123-91-1	1,4-Dioxane	0.29	J	0.27	1.4	ug/l	J	vh,bt,bf,bb,sp	Headspace, TB and FB Contamination < PQL, <PQL	0.34; 0.34	0.68; 0.68	ug/l
5501634441	PC-56-20210507	05/07/21	E200.7	7440-47-3	Chromium (total)	0.0011	J	0.00085	0.010	mg/l	J	sp	< PQL			
5501634441	PC-56-20210507	05/07/21	SW8260BSIM	96-18-4	1,2,3-Trichloropropane		U	0.0038	0.020	ug/l	UJ	vh	Headspace in containers			
5501634441	PC-56-20210507-FB11	05/07/21	SW8260BSIM	123-91-1	1,4-Dioxane	0.34	JB	0.27	1.4	ug/l	J	bl,bb,bt,sp	Blank and TB Contamination < PQL, < PQL	0.363; 0.41	0.726; 0.82	ug/l
5501634441	PC-58-20210507	05/07/21	SW8260	67-66-3	Chloroform	0.46	J	0.21	0.50	ug/l	J	sp	< PQL			
5501634441	PC-58-20210507	05/07/21	SW8260BSIM	123-91-1	1,4-Dioxane	0.50	JB	0.27	1.4	ug/l	J	bl,bb,bt,sp	Blank and TB Contamination < PQL, < PQL	0.363; 0.41	0.726; 0.82	ug/l
5501634441	PC-59-20210507	05/07/21	SW8260BSIM	123-91-1	1,4-Dioxane	0.59	J	0.27	1.4	ug/l	J	bt,bb,sp	TB Contamination < PQL; < PQL	0.34	0.68	ug/l
5501634441	PC-59-20210507-TB26	05/07/21	SW8260BSIM	123-91-1	1,4-Dioxane	0.41	J	0.27	1.4	ug/l	J	sp	< PQL			
5501634441	PC-60-20210507	05/07/21	SW8260BSIM	123-91-1	1,4-Dioxane	0.51	JB	0.27	1.4	ug/l	J	bl,bb,bt,sp	Blank and TB Contamination < PQL, < PQL	0.363; 0.41	0.726; 0.82	ug/l
5501634441	PC-60-20210507	05/07/21	E300.1	14866-68-3	Chlorate	19	J	9.8	40	ug/l	J	sp	< PQL			
5501634441	PC-60-20210507	05/07/21	E200.7	7440-47-3	Chromium (total)	0.0057	J	0.00085	0.010	mg/l	J	sp	< PQL			
5501634441	PC-62-20210507	05/07/21	SW8260BSIM	123-91-1	1,4-Dioxane	0.53	J	0.27	1.4	ug/l	J	bt,bb,sp	TB Contamination < PQL; < PQL	0.34	0.68	ug/l
5501626911	PC-64-20210427	04/27/21	SW8260	79-01-6	Trichloroethene	0.47	J	0.26	0.50	ug/l	J	sp	< PQL			
5501626911	PC-64-20210427	04/27/21	SW8260BSIM	123-91-1	1,4-Dioxane	0.36	J	0.27	1.4	ug/l	J	bt,bb,sp	TB Contamination < PQL; < PQL	0.46; 0.39	0.92; 0.78	ug/l
5501645431	PC-65-20210527	05/27/21	SW8260	127-18-4	Tetrachloroethene	2.9		0.30	0.50	ug/l	J+	bt,ba	TB Contamination > PQL	7.1	14.2	ug/l
5501645431	PC-66-20210527	05/27/21	SW8260	75-00-3	Chloroethane		U*-	0.49	1.0	ug/l	UJ	l	LCS %R	-,69	70-130	%
5501645431	PC-66-20210527	05/27/21	SW8260	127-18-4	Tetrachloroethene	2.3		0.30	0.50	ug/l	J+	bt,ba	TB Contamination > PQL	7.1	14.2	ug/l
5501626911	PC-67-20210427	04/27/21	SW8260	106-46-7	1,4-Dichlorobenzene	0.29	J	0.22	0.50	ug/l	J	sp	< PQL			
5501626911	PC-67-20210427	04/27/21	SW8260	79-01-6	Trichloroethene	0.42	J	0.26	0.50	ug/l	J	sp	< PQL			
5501626911	PC-67-20210427	04/27/21	SW8260	95-50-1	1,2-Dichlorobenzene	0.31	J	0.26	0.50	ug/l	J	sp	< PQL			
5501626911	PC-67-20210427	04/27/21	SW8260	541-73-1	1,3-Dichlorobenzene	0.23	J	0.23	0.50	ug/l	J	sp	< PQL			
5501627751	PC-71-20210428	04/28/21	SW8260BSIM	123-91-1	1,4-Dioxane	1.0	J	0.27	1.4	ug/l	J	bt,bb,sp	TB Contamination < PQL; < PQL	0.53	1.06	ug/l
5501627751	PC-71-20210428	04/28/21	E314.0	14797-73-0	Perchlorate	62000		6300	20000	ug/l	J-	m	MS/MSD %R	50, 56	80-120	%
5501627751	PC-71-20210428	04/28/21	E300.1	14866-68-3	Chlorate	210000		4900	20000	ug/l	J+	m	MS/MSD %R	-, 131	75-125	%
5501627751	PC-71-20210428-TB5	04/28/21	SW8260BSIM	96-18-4	1,2,3-Trichloropropane		U	0.0038	0.020	ug/l	UJ	vh	Headspace in containers			
5501627751	PC-71-20210428-TB5	04/28/21	SW8260	98-06-6	tert-Butylbenzene	0.42	JB	0.29	0.50	ug/l	J	bl,bb,sp	Blank Contamination < PQL, <PQL	0.379	0.758	ug/l
5501627751	PC-71-20210428-TB5	04/28/21	SW8260	98-82-8	Cumene	0.31	J	0.30	0.50	ug/l	J	sp	< PQL			
5501627751	PC-71-20210428-TB5	04/28/21	SW8260BSIM	123-91-1	1,4-Dioxane		U	0.27	1.4	ug/l	UJ	vh	Headspace in containers			
5501627751	PC-71-20210428-TB5	04/28/21	SW8260	104-51-8	n-Butylbenzene	0.89	J	0.47	1.0	ug/l	J	sp	< PQL			
5501627751	PC-72-20210428	04/28/21	SW8260	56-23-5	Carbon Tetrachloride	0.41	J	0.28	0.50	ug/l	J	sp	< PQL			
5501627751	PC-72-20210428	04/28/21	SW8260	541-73-1	1,3-Dichlorobenzene	0.23	J	0.23	0.50	ug/l	J	sp	< PQL			

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator	Qualification Finding	Acceptance Criteria	
5501627751	PC-72-20210428	04/28/21	SW8260	95-63-6	1,2,4-Trimethylbenzene	0.59		0.30	0.50	ug/l	J+	bt,ba	TB Contamination > PQL	8.6; 1.7	17.2; 3.4	ug/l
5501627751	PC-72-20210428	04/28/21	SW8260	95-47-6	ortho-xylene	0.27	J	0.27	0.50	ug/l	J	bt,ba,sp	TB Contamination > PQL, <PQL	2.9; 0.69	5.8; 1.4	ug/l
5501627751	PC-72-20210428	04/28/21	SW8260	179601-23-1	m,p-xylene	0.66	J	0.34	1.0	ug/l	J	bt,ba,sp	TB Contamination > PQL, <PQL	6.8; 1.8	13.6; 3.6	ug/l
5501627751	PC-72-20210428	04/28/21	SW8260	95-50-1	1,2-Dichlorobenzene	0.33	J	0.26	0.50	ug/l	J	sp	< PQL			
5501627751	PC-72-20210428	04/28/21	SW8260	79-01-6	Trichloroethene	0.34	J	0.26	0.50	ug/l	J	sp	< PQL			
5501627751	PC-72-20210428	04/28/21	SW8260	108-88-3	Toluene	0.45	J	0.28	0.50	ug/l	J	bt,ba,sp	TB Contamination > PQL, <PQL	3.9; 4.5	7.8; 9.0	ug/l
5501627751	PC-72-20210428	04/28/21	SW8260	106-46-7	1,4-Dichlorobenzene	0.27	J	0.22	0.50	ug/l	J	sp	< PQL			
5501627751	PC-72-20210428	04/28/21	SW8260	98-06-6	tert-Butylbenzene	0.46	JB	0.29	0.50	ug/l	J	bl,bb,bt,sp	Blank and TB Contamination < PQL, < PQL	0.379; 0.42; 1.2	0.758; 0.84; 2.4	ug/l
5501627751	PC-72-20210428	04/28/21	E314.0	14797-73-0	Perchlorate	150000		6300	20000	ug/l	J-	m	MS/MSD %R	50, 56	80-120	%
5501632681	PC-74-20210505	05/05/21	E300.1	14866-68-3	Chlorate	2500	J	980	4000	ug/l	J	sp	< PQL			
5501633751	PC-79-20210506	05/06/21	E300	14797-55-8_N	Nitrate as N	0.046	J	0.014	0.050	mg/l	J	sp	< PQL			
5501633751	PC-79-20210506	05/06/21	SW8260	98-06-6	tert-Butylbenzene	0.34	J	0.29	0.50	ug/l	J	bl,bb,sp	Blank Contamination < PQL, <PQL	0.389	0.778	ug/l
5501633751	PC-79-20210506	05/06/21	SW8260BSIM	123-91-1	1,4-Dioxane	0.36	J	0.27	1.4	ug/l	J	sp	< PQL			
5501634441	PC-82-20210507	05/07/21	E300	14797-55-8_N	Nitrate as N	0.035	J	0.014	0.050	mg/l	J	sp	< PQL			
5501634441	PC-82-20210507	05/07/21	SW8260BSIM	123-91-1	1,4-Dioxane	0.52	JB	0.27	1.4	ug/l	J	bl,bb,bt,sp	Blank and TB Contamination < PQL, < PQL	0.363; 0.41	0.726; 0.82	ug/l
5501634441	PC-86-20210507	05/07/21	SW8260BSIM	123-91-1	1,4-Dioxane	0.50	JB	0.27	1.4	ug/l	J	bl,bb,bt,sp	Blank and TB Contamination < PQL, < PQL	0.363; 0.41	0.726; 0.82	ug/l
5501634441	PC-86-20210507	05/07/21	E300	14797-55-8_N	Nitrate as N	0.014	J	0.014	0.050	mg/l	J	sp	< PQL			
5501634441	PC-90-20210507	05/07/21	SW8260	75-34-3	1,1-Dichloroethane	0.30	J	0.23	0.50	ug/l	J+	s,sp	Surrogate %R, < PQL	131	70-130	%
5501634441	PC-90-20210507	05/07/21	SW8260	67-66-3	Chloroform	0.23	J	0.21	0.50	ug/l	J+	s,sp	Surrogate %R, < PQL	131	70-130	%
5501634441	PC-90-20210507	05/07/21	SW8260BSIM	123-91-1	1,4-Dioxane	0.41	J	0.27	1.4	ug/l	J	bt,bb,sp	TB Contamination < PQL; < PQL	0.34	0.68	ug/l
5501634441	PC-91-20210507	05/07/21	SW8260	75-34-3	1,1-Dichloroethane	0.23	J	0.23	0.50	ug/l	J	sp	< PQL			
5501634441	PC-91-20210507	05/07/21	SW8260	67-66-3	Chloroform	0.36	J	0.21	0.50	ug/l	J	sp	< PQL			
5501634441	PC-91-20210507	05/07/21	SW8260BSIM	123-91-1	1,4-Dioxane	0.64	JB	0.27	1.4	ug/l	J	bl,bb,bt,sp	Blank and TB Contamination < PQL, < PQL	0.363; 0.41	0.726; 0.82	ug/l
5501633751	PC-94-20210506	05/06/21	SW8260BSIM	96-18-4	1,2,3-Trichloropropane	0.0046	J	0.0038	0.020	ug/l	J	sp	< PQL			
5501633751	PC-94-20210506	05/06/21	SW8260BSIM	123-91-1	1,4-Dioxane	0.82	J	0.27	1.4	ug/l	J	sp	< PQL			
5501633751	PC-94-20210506-FD14	05/06/21	SW8260BSIM	123-91-1	1,4-Dioxane	0.66	J	0.27	1.4	ug/l	J	sp	< PQL			
5501633751	PC-94-20210506-FD14	05/06/21	SW8260BSIM	96-18-4	1,2,3-Trichloropropane	0.0043	J	0.0038	0.020	ug/l	J	sp	< PQL			
5501670891	PC-96-20210714	07/14/21	SW8260	87-68-3	Hexachlorobutadiene		U*-	1.4	5.0	ug/l	UJ	l	LCS %R	57,-	70-130	%
5501670891	PC-96-20210714	07/14/21	SW8260	120-82-1	1,2,4-Trichlorobenzene		U*-	0.89	2.0	ug/l	UJ	l	LCS %R	65,-	70-130	%
5501670891	PC-97-20210714	07/14/21	SW8260	120-82-1	1,2,4-Trichlorobenzene		U*-	0.89	2.0	ug/l	UJ	l	LCS %R	65,-	70-130	%
5501670891	PC-97-20210714	07/14/21	SW8260	87-68-3	Hexachlorobutadiene		U*-	1.4	5.0	ug/l	UJ	l	LCS %R	57,-	70-130	%
5501670891	PC-97-20210714-TB31	07/14/21	SW8260	87-68-3	Hexachlorobutadiene		U*-	1.4	5.0	ug/l	UJ	l	LCS %R	57,-	70-130	%
5501670891	PC-97-20210714-TB31	07/14/21	SW8260	120-82-1	1,2,4-Trichlorobenzene		U*-	0.89	2.0	ug/l	UJ	l	LCS %R	65,-	70-130	%
5501627751	PC-98R-20210428	04/28/21	SW8260	67-66-3	Chloroform	0.41	J	0.21	0.50	ug/l	J	sp	< PQL			
5501627751	PC-98R-20210428	04/28/21	SW8260BSIM	123-91-1	1,4-Dioxane	0.35	J	0.27	1.4	ug/l	J	bt,bb,sp	TB Contamination < PQL; < PQL	0.53	1.06	ug/l
5501627751	PC-98R-20210428	04/28/21	E200.7	7440-47-3	Chromium (total)	0.0018	J	0.00085	0.010	mg/l	J	sp	< PQL			
5501627751	PC-98R-20210428	04/28/21	E300.1	14866-68-3	Chlorate	2800		490	2000	ug/l	J+	m	MS/MSD %R	129, 131	75-125	%
5501636671	PC-99R2/R3-20210512	05/12/21	E314.0	14797-73-0	Perchlorate	8700		630	2000	ug/l	J+	m	MS/MSD %R	122, 123	80-120	%
5501633751	SWFTS-MW07A-20210506	05/06/21	SW8260BSIM	123-91-1	1,4-Dioxane	0.61	J	0.27	1.4	ug/l	J	sp	< PQL			
5501633751	SWFTS-MW07A-20210506	05/06/21	SW8260BSIM	96-18-4	1,2,3-Trichloropropane	0.0038	J	0.0038	0.020	ug/l	J	sp	< PQL			
5501633751	SWFTS-MW07A-20210506	05/06/21	SW8260	67-66-3	Chloroform	0.44	J	0.21	0.50	ug/l	J	sp	< PQL			
5501633751	SWFTS-MW08A-20210506	05/06/21	SW8260	75-34-3	1,1-Dichloroethane	0.25	J	0.23	0.50	ug/l	J	sp	< PQL			
5501633751	SWFTS-MW08A-20210506	05/06/21	SW8260BSIM	96-18-4	1,2,3-Trichloropropane	0.0090	J	0.0038	0.020	ug/l	J	sp	< PQL			
5501633751	SWFTS-MW08A-20210506	05/06/21	SW8260	127-18-4	Tetrachloroethene	0.32	J	0.30	0.50	ug/l	J	sp	< PQL			
5501633751	SWFTS-MW08A-20210506	05/06/21	SW8260BSIM	123-91-1	1,4-Dioxane	0.53	J	0.27	1.4	ug/l	J	sp	< PQL			
5501633751	SWFTS-MW08C-20210506	05/06/21	SW8260	95-50-1	1,2-Dichlorobenzene	0.38	J	0.26	0.50	ug/l	J	sp	< PQL			
5501633751	SWFTS-MW08C-20210506	05/06/21	E300	14797-55-8_N	Nitrate as N	14		0.014	0.050	mg/l	J	m,ld	MS/MSD %R, RPD	77, -; 24	80-120; ≤20	%
5501633751	SWFTS-MW08C-20210506	05/06/21	SW8260	106-46-7	1,4-Dichlorobenzene	0.48	J	0.22	0.50	ug/l	J	sp	< PQL			
5501633751	SWFTS-MW08C-20210506	05/06/21	E300.1	14866-68-3	Chlorate	49000	F1	980	4000	ug/l	J+	m	MS/MSD %R	142, -	75-125	%
5501627751	TR-11-20210428	04/28/21	E314.0	14797-73-0	Perchlorate	13	F1	0.31	1.0	ug/l	J-	m	MS/MSD %R	50, 56	80-120	%
5501627751	TR-11-20210428	04/28/21	E300.1	14866-68-3	Chlorate	35	J	24	100	ug/l	J+	m,sp	MS/MSD %R, < PQL	-, 131	75-125	%
5501629241	TR-1-20210430	04/30/21	SW8260BSIM	123-91-1	1,4-Dioxane	1.1	J	0.27	1.4	ug/l	J	bt,ba,sp	TB Contamination > PQL, <PQL	2.1	4.2	ug/l
5501627751	TR-12-20210428	04/28/21	SW8260	108-90-7	Chlorobenzene	0.45	J	0.23	0.50	ug/l	J	sp	< PQL			
5501629241	TR-3-20210430	04/30/21	SW8260BSIM	123-91-1	1,4-Dioxane	0.27	J	0.27	1.4	ug/l	J	bt,ba,sp	TB Contamination > PQL, <PQL	2.1	4.2	ug/l
5501629241	TR-3-20210430	04/30/21	E314.0	14797-73-0	Perchlorate	0.71	J	0.31	1.0	ug/l	J	sp	< PQL			
5501629241	TR-4-20210430	04/30/21	E300.1	14866-68-3	Chlorate		U	4.9	20	ug/l	UJ	m	MS/MSD %R	73, -	75-125	%
5501629241	TR-4-20210430	04/30/21	E314.0	14797-73-0	Perchlorate	0.83	J	0.31	1.0	ug/l	J	sp	< PQL			
5501630371	TR-6-20210503	05/03/21	E300.1	14866-68-3	Chlorate	4100		240	1000	ug/l	J+	m	MS/MSD %R	140, 135	75-125	%

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator	Qualification Finding	Acceptance Criteria	
5501630371	TR-6-20210503	05/03/21	SW8260BSIM	123-91-1	1,4-Dioxane	0.76	J	0.27	1.4	ug/l	J	sp	< PQL			
5501626911	TR-7-20210427	04/27/21	E314.0	14797-73-0	Perchlorate	0.59	J	0.31	1.0	ug/l	J	sp	< PQL			
5501626911	TR-8-20210427	04/27/21	E300.1	14866-68-3	Chlorate	1300		240	1000	ug/l	J+	m	MS/MSD %R	135,-	75-125	%
5501629241	UFMW-01D-20210430	04/30/21	E300.1	14866-68-3	Chlorate	19000	F1	240	1000	ug/l	J-	m	MS/MSD %R	73, -	75-125	%
5501629241	UFMW-01D-20210430	04/30/21	SW8260BSIM	123-91-1	1,4-Dioxane	0.96	JB	0.27	1.4	ug/l	J	bt,ba,sp	TB Contamination > PQL, <PQL	2.1	4.2	ug/l
5501629241	UFMW-01D-20210430	04/30/21	SW8260	541-73-1	1,3-Dichlorobenzene	0.48	J	0.23	0.50	ug/l	J	sp	< PQL			
5501629241	UFMW-01D-20210430	04/30/21	SW8260	79-01-6	Trichloroethene	0.39	J	0.26	0.50	ug/l	J	sp	< PQL			
5501629241	UFMW-01D-20210430	04/30/21	SW8260	98-06-6	tert-Butylbenzene	0.36	JB	0.29	0.50	ug/l	J	bl,bb,sp	Blank Contamination < PQL, <PQL	0.368	0.736	ug/l
5501630371	UFMW-02D-20210503	05/03/21	SW8260	108-90-7	Chlorobenzene	0.40	J	0.23	0.50	ug/l	J	sp	< PQL			
5501630371	UFMW-02D-20210503	05/03/21	SW8260	87-61-6	1,2,3-Trichlorobenzene	1.4	J	1.4	3.0	ug/l	J	sp	< PQL			
5501630371	UFMW-02D-20210503	05/03/21	SW8260BSIM	123-91-1	1,4-Dioxane	0.93	JB	0.27	1.4	ug/l	J	bl,bb,sp	Blank Contamination < PQL, <PQL	0.673	1.3	ug/l
5501630371	UFMW-02D-20210503-EB9	05/03/21	E300.1	14866-68-3	Chlorate	7.2	J	4.9	20	ug/l	J	sp	< PQL			
5501630371	UFMW-03D-20210503	05/03/21	E300.1	14866-68-3	Chlorate	190000		2400	10000	ug/l	J+	m	MS/MSD %R	140, 135	75-125	%
5501630371	UFMW-03D-20210503	05/03/21	SW8260	79-01-6	Trichloroethene	0.37	J	0.26	0.50	ug/l	J	sp	< PQL			
5501630371	UFMW-04D-20210503	05/03/21	SW8260	75-35-4	1,1-Dichloroethene	2.2	*1	0.31	0.50	ug/l	J	ld	LCS/LCSD RPD	22	≤20	%
5501630371	UFMW-04D-20210503	05/03/21	SW8260	56-23-5	Carbon Tetrachloride	0.28	J	0.28	0.50	ug/l	J	sp	< PQL			
5501630371	UFMW-04D-20210503-TB13	05/03/21	SW8260	179601-23-1	m,p-xylene	0.45	J	0.34	1.0	ug/l	J	sp	< PQL			
5501630371	UFMW-04D-20210503-TB13	05/03/21	SW8260BSIM	123-91-1	1,4-Dioxane	0.48	JB	0.27	1.4	ug/l	J	bl,bb,sp	Blank Contamination < PQL, <PQL	0.673	1.3	ug/l
5501630371	UFMW-05D-20210503	05/03/21	SW8260	75-35-4	1,1-Dichloroethene	2.1	*1	0.31	0.50	ug/l	J	ld	LCS/LCSD RPD	22	≤20	%
5501630371	UFMW-06D-20210503	05/03/21	SW8260	127-18-4	Tetrachloroethene	0.32	J	0.30	0.50	ug/l	J	sp	< PQL			
5501630371	UFMW-06D-20210503	05/03/21	SW8260	95-50-1	1,2-Dichlorobenzene	0.28	J	0.26	0.50	ug/l	J	sp	< PQL			
5501630371	UFMW-06D-20210503	05/03/21	SW8260	106-46-7	1,4-Dichlorobenzene	0.31	J	0.22	0.50	ug/l	J	sp	< PQL			
5501651671	ART-3A-20210609	06/09/21	E218.6	18540-29-9	Chromium VI	510		2.0	10	ug/l	DNR	orr				
5501651671	ART-8A-20210609	06/09/21	E218.6	18540-29-9	Chromium VI	150		1.0	5.0	ug/l	DNR	orr				

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 temperature for one of five coolers in SDG 550-162691-1 was reported at 22.6°C; cooler temperature for one of five coolers in SDGs 550-162775-1 and 550-162924-1 was reported at 24.8°C; cooler temperature for one of six coolers in SDG 550-162864-1 was reported at 21.6°C; cooler temperature for one of five coolers in SDG 550-163037-1 was reported at 23.9°C; cooler temperature for one of five coolers in SDG 550-163185-1 was reported at 22.6°C; cooler temperature for one of five coolers in SDG 550-163268-1 was reported at 25.5°C; cooler temperature for one of five coolers in SDGs 550-163375-1, 550-163662-1, and 550-163678-1 was reported at 24.9°C; cooler temperature for one of seven coolers in SDG 550-163444-1 was reported at 25.5°C; cooler temperature for one of five coolers in SDG 550-163495-1 was reported at 22.0°C; cooler temperature for one of five coolers in SDG 550-163602-1 was reported at 24.5°C; cooler temperature for one of five coolers in SDG 550-163782-1 was reported at 24.8°C; cooler temperature for one of two coolers in SDG 550-164463-1 was reported at 24.9°C; cooler temperature for one of five coolers in SDG 550-164543-1 was reported at 23.6°C; cooler temperature for one of four coolers in SDG 550-164588-1 was reported at 24.5°C; cooler temperature for SDG 550-166351-1 was reported at 27.5°C; cooler temperature for SDG 550-167089-1 was reported at 24.0°C; cooler temperature for SDG 550-167297-1 was reported at 26.0°C; cooler temperature for SDG 550-167354-1 was reported at 23.9°C; and cooler temperature for SDG 550-167691-1 was reported at 28.7°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 were qualified based on the cooler temperature.

All technical holding time requirements were met.

II. 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	Analysis Date	Analyte	Concentration	Associated Samples
550-162775-1	MB 550-240855/6	04/29/21	tert-Butylbenzene	0.379 ug/L	PC-71-20210428-TB5 PC-72-20210428 H-56R-20210428 H-56R-20210428-FB5 MC-97-20210428 PC-188-20210428 PC-189-20210428 M-48A-20210428 PC-189-20210428-TB6
550-162924-1	MB 550-241165/6	05/03/21	tert-Butylbenzene	0.368 ug/L	M-140-20210430 UFMW-01D-20210430
550-163037-1	MB 550-241350/6	05/04/21	1,2,4-Trimethylbenzene m,p-Xylene	0.303 ug/L 0.503 ug/L	UFMW-04D-20210503-TB13 M-38-20210503-TB15
550-163037-1	MB 550-241350/6	05/04/21	1,2,4-Trimethylbenzene m,p-Xylene Toluene	0.303 ug/L 0.503 ug/L 0.674 ug/L	M-64-20210503 M-150-20210503 M-150-20210503-FD9 DFW-03-20210503 DFW-03-20210503-TB14 DFW-04-20210503 DFW-05-20210503
550-163037-1	MB 550-241573/6	05/06/21	trans-1,2-Dichloroethene	0.486 ug/L	TR-5-20210503-FD10 TR-6-20210503 M-118-20210503-FB10 M-118-20210503
550-163037-1	MB 550-241721/5	05/07/21	tert-Butylbenzene	0.386 ug/L	UFMW-06D-20210503 M-97-20210503
550-163185-1	MB 550-241573/6	05/06/21	trans-1,2-Dichloroethene	0.486 ug/L	M-103M-20210504 M-117-20210504 M-120-20210504 M-121-20210504 M-121-20210504-FD11 M-37-20210504 M-37-20210504-EB4 TR-9-20210504 TR-9-20210504-TB18 TR-10-20210504 PC-21A-20210504

SDG	Blank ID	Analysis Date	Analyte	Concentration	Associated Samples
550-163268-1	MB 550-241721/5	05/07/21	tert-Butylbenzene	0.386 ug/L	M-19-20210505 M-19-20210505-TB19 M-181-20210505 M-165-20210505 M-165-20210505-EB13 MC-6-20210505 MC-69-20210505 M-93-20210505 M-92-20210505 M-92-20210505-FB13 DFW-06-20210505 PC-74-20210505 PC-74-20210505-FB17
550-163268-1	MB 550-241945/5	05/11/21	tert-Butylbenzene	0.353 ug/L	M-71-20210505-TB21
550-163375-1	MB 550-241777/5	05/08/21	tert-Butylbenzene	0.389 ug/L	M-149-20210506 M-153-20210506 PC-79-20210506 PC-79-20210506-EB11 M-145-20210506 M-268-20210506 M-267-20210506 M-214-20210506 PC-94-20210506 PC-94-20210506-FD14 SWFTS-MW07A-20210506 SWFTS-MW08A-20210506 SWFTS-MW08C-20210506 PC-40R-20210506 PC-198-20210506 PC-199-20210506 M-135-20210506 M-135-20210506-EB12
550-163375-1	MB 550-241980/5	05/11/21	tert-Butylbenzene	0.380 ug/L	M-149-20210506-TB16 M-145-20210506-TB23
550-163444-1	MB 550-241897/5	05/10/21	tert-Butylbenzene	0.380 ug/L	M-220-20210507 M-147-20210507 M-35-20210507 M-75-20210507 PC-82-20210507 PC-82-20210507-EB17 PC-86-20210507 PC-91-20210507 PC-58-20210507
550-163444-1	MB 550-241945/5	05/11/21	tert-Butylbenzene	0.353 ug/L	M-68-20210507 M-67-20210507 PC-56-20210507 PC-56-20210507-FB11 PC-60-20210507 H-28A-20210507 PC-59-20210507 PC-59-20210507-TB26 PC-62-20210507 PC-90-20210507 PC-90-20210507-FB12

SDG	Blank ID	Analysis Date	Analyte	Concentration	Associated Samples
550-163444-1	MB 550-242151/5	05/12/21	1,2,3-Trichlorobenzene 1,2,4-Trichlorobenzene 1,3-Dichlorobenzene 1,4-Dichlorobenzene	1.47 ug/L 0.941 ug/L 0.237 ug/L 0.264 ug/L	M-35-20210507-TB25
550-163495-1	MB 550-242154/5	05/12/21	tert-Butylbenzene	0.385 ug/L	All samples in SDG 550-163495-1
550-163602-1	MB 550-242154/5	05/12/21	tert-Butylbenzene	0.385 ug/L	M-115-20210511-TB24
550-163602-1	MB 550-242304/5	05/13/21	tert-Butylbenzene	0.393 ug/L	M-115-20210511
550-163602-1	MB 550-242416/5	05/12/21	tert-Butylbenzene	0.390 ug/L	M-132-20210511 M-74-20210511 M-81A-20210511
550-163602-1	MB 550-242579/5	05/17/21	tert-Butylbenzene	0.375 ug/L	M-83-20210511
550-163662-1	MB 550-242304/5	05/13/21	tert-Butylbenzene	0.393 ug/L	All samples in SDG 550-163662-1
550-163678-1	MB 550-242416/5	05/14/21	tert-Butylbenzene	0.390 ug/L	All samples in SDG 550-163678-1
550-163782-1	MB 550-242416/5	05/14/21	tert-Butylbenzene	0.390 ug/L	M-148A-20210513-TB22
550-163782-1	MB 550-242579/5	05/17/21	tert-Butylbenzene	0.375 ug/L	M-148A-20210513 M-186D-20210513 M-80-20210513 M-80-20210513-FD4
550-164463-1	MB 550-243800/5	05/28/21	1,2,3-Trichlorobenzene 1,2,4-Trichlorobenzene 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,4-Dichlorobenzene 4-Chlorotoluene p-Isopropyltoluene Naphthalene n-Butylbenzene	2.29 ug/L 1.44 ug/L 0.507 ug/L 0.418 ug/L 0.260 ug/L 0.318 ug/L 0.412 ug/L 2.25 ug/L 0.664 ug/L	PC-142-20210526-TB27 PC-149-20210526
550-164463-1	MB 550-243800/5	05/28/21	1,2,3-Trichlorobenzene 1,2,4-Trichlorobenzene 1,3-Dichlorobenzene 4-Chlorotoluene p-Isopropyltoluene Naphthalene n-Butylbenzene	2.29 ug/L 1.44 ug/L 0.418 ug/L 0.318 ug/L 0.412 ug/L 2.25 ug/L 0.664 ug/L	ARP-1-20210526
550-167297-1	MB 550-248232/5	07/20/21	Dichlorodifluoromethane	3.47 ug/L	All samples in SDG 550-167297-1
550-167354-1	MB 550-248232/5	07/20/21	Dichlorodifluoromethane	3.47 ug/L	PC-155A-20210719 PC-155B-20210719

SDG	Blank ID	Analysis Date	Analyte	Concentration	Associated Samples
550-167691-1	MB 550-248757/5	07/26/21	1,2,3-Trichlorobenzene 1,2,4-Trichlorobenzene p-Isopropyltoluene sec-Butylbenzene	1.67 ug/L 0.984 ug/L 0.358 ug/L 0.373 ug/L	All samples in SDG 550-167691-1

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
550-162775-1	PC-71-20210428-TB5	tert-Butylbenzene	0.42 ug/L	0.42J ug/L
550-162775-1	PC-72-20210428	tert-Butylbenzene	0.46 ug/L	0.46J ug/L
550-162775-1	H-56R-20210428	tert-Butylbenzene	0.38 ug/L	0.38J ug/L
550-162775-1	H-56R-20210428-FB5	tert-Butylbenzene	0.37 ug/L	0.37J ug/L
550-162775-1	MC-97-20210428	tert-Butylbenzene	0.37 ug/L	0.37J ug/L
550-162775-1	PC-188-20210428	tert-Butylbenzene	0.36 ug/L	0.36J ug/L
550-162775-1	PC-189-20210428	tert-Butylbenzene	0.36 ug/L	0.36J ug/L
550-162924-1	M-140-20210430	tert-Butylbenzene	0.42 ug/L	0.42J ug/L
550-162924-1	UFMW-01D-20210430	tert-Butylbenzene	0.36 ug/L	0.36J ug/L
550-163037-1	M-64-20210503 (5X)	Toluene	1.9 ug/L	1.9J ug/L
550-163037-1	M-150-20210503	Toluene	0.40 ug/L	0.40J ug/L
550-163037-1	M-150-20210503-FD9	Toluene	0.28 ug/L	0.28J ug/L
550-163037-1	DFW-03-20210503	Toluene	0.33 ug/L	0.33J ug/L
550-163037-1	DFW-03-20210503-TB14	Toluene	0.45 ug/L	0.45J ug/L
550-163037-1	DFW-04-20210503	Toluene	0.28 ug/L	0.28J ug/L
550-163037-1	DFW-05-20210503	Toluene	0.29 ug/L	0.29J ug/L

SDG	Sample	Analyte	Reported Concentration	Modified Final Concentration
550-163268-1	M-19-20210505	tert-Butylbenzene	0.33 ug/L	0.33J ug/L
550-163268-1	M-19-20210505-TB19	tert-Butylbenzene	0.35 ug/L	0.35J ug/L
550-163268-1	M-165-20210505	tert-Butylbenzene	0.32 ug/L	0.32J ug/L
550-163268-1	M-92-20210505	tert-Butylbenzene	0.31 ug/L	0.31J ug/L
550-163268-1	M-71-20210505-TB21	tert-Butylbenzene	0.34 ug/L	0.34J ug/L
550-163375-1	M-149-20210506	tert-Butylbenzene	0.38 ug/L	0.38J ug/L
550-163375-1	M-153-20210506	tert-Butylbenzene	0.34 ug/L	0.34J ug/L
550-163375-1	PC-79-20210506	tert-Butylbenzene	0.34 ug/L	0.34J ug/L
550-163375-1	M-145-20210506	tert-Butylbenzene	0.31 ug/L	0.31J ug/L
550-163444-1	M-67-20210507 (5X)	tert-Butylbenzene	1.6 ug/L	1.6J ug/L
550-163444-1	PC-56-20210507	tert-Butylbenzene	0.38 ug/L	0.38J ug/L
550-163782-1	M-148A-20210513-TB22	tert-Butylbenzene	0.34 ug/L	0.34J ug/L
550-164463-1	ARP-1-20210526	1,3-Dichlorobenzene	0.24 ug/L	0.24J ug/L
550-167297-1	PC-157A-20210716	Dichlorodifluoromethane	0.68 ug/L	0.68J ug/L
550-167297-1	PC-157B-20210716	Dichlorodifluoromethane	0.65 ug/L	0.65J ug/L
550-167354-1	PC-155B-20210719	Dichlorodifluoromethane	0.63 ug/L	0.63J ug/L

III. Field Blanks

Samples PC-137D-20210426-TB1 (from SDG 550-162595-1), PC-130-20210427-TB2 (from SDG 550-162691-1), M-137-20210427-TB3 (from SDG 550-162691-1), M-191-20210428-TB4 (from SDG 550-162775-1), PC-71-20210428-TB5 (from SDG 550-162775-1), PC-189-20210428-TB6 (from SDG 550-162775-1), M-156-20210429-TB7 (from SDG 550-162864-1), M-211-20210429-TB11 (from SDG 550-162864-1), TR-2-20210429-TB8 (from SDG 550-162864-1), M-266-20210429-TB9 (from SDG 550-162864-1), TR-3-20210430-TB10 (from SDG 550-162924-1), M-79-20210430-TB12 (from SDG 550-162924-1) UFMW-04D-20210503-TB13, M-38-20210503-TB15, DFW-03-20210503-TB14 (all three from SDG 550-163037-1), TR-9-20210504-TB18, M-33-20210504-TB17 (both from SDG 550-163185-1), M-19-20210505-TB19, M-133-

20210505-TB20, M-71-20210505-TB21 (all three from SDG 550-163268-1), M-149-20210506-TB16, M-145-20210506-TB23 (both from SDG 550-163375-1), M-35-20210507-TB25, PC-59-20210507-TB26 (both from SDG 550-163444-1), M-115-20210511-TB24 (from SDG 550-163602-1), M-148A-20210513-TB22 (from SDG 550-163782-1), PC-142-20210526-TB27 (from SDG 550-164463-1), PC-31-20210527-TB30, PC-129-20210527-TB29 (both from SDG 550-164543-1), PC-144-20210528-TB28 (from SDG 550-164588-1), PC-97-20210714-TB31 (from SDG 550-167089-1), PC-157A-20210716-TB32 (from SDG 550-167297-1), PC-155A-20210719-TB33 (from SDG 550-167354-1), and PC-156B-20210723-TB34 (from SDG 550-167691-1), were identified as trip blanks. No contaminants were found with the following exceptions:

SDG	Blank ID	Collection Date	Analyte	Concentration	Associated Samples
550-162775-1	PC-71-20210428-TB5	04/28/21	1,2,4-Trimethylbenzene 1,3,5-Trimethylbenzene Ethylbenzene Isopropylbenzene m,p-Xylene Naphthalene n-Butylbenzene n-Propylbenzene o-Xylene tert-Butylbenzene Toluene	8.6 ug/L 2.0 ug/L 1.9 ug/L 0.31 ug/L 6.8 ug/L 7.5 ug/L 0.89 ug/L 1.4 ug/L 2.9 ug/L 0.42 ug/L 3.9 ug/L	M-191-20210428 M-13-20210428 M-12A-20210428 M-189-20210428 MW-K5-20210428 PC-98R-20210428 MC-65R2-20210428 MC-MW-37R2-20210428 TR-12-20210428 H-58R-20210428 PC-2-20210428 PC-191-20210428 PC-191-20210428-FD5 PC-53-20210428 PC-71-20210428 PC-72-20210428 H-56R-20210428 H-56R-20210428-FB5 MC-97-20210428 PC-188-20210428 PC-189-20210428 M-48A-20210428 M-48A-20210428-EB6 TR-11-20210428
550-162775-1	PC-189-20210428-TB6	04/28/21	1,2,4-Trimethylbenzene 1,3,5-Trimethylbenzene Ethylbenzene m,p-Xylene n-Propylbenzene o-Xylene tert-Butylbenzene Toluene	1.7 ug/L 0.42 ug/L 0.52 ug/L 1.8 ug/L 0.37 ug/L 0.69 ug/L 1.2 ug/L 4.5 ug/L	M-191-20210428 M-13-20210428 M-12A-20210428 M-189-20210428 MW-K5-20210428 PC-98R-20210428 MC-65R2-20210428 MC-MW-37R2-20210428 TR-12-20210428 H-58R-20210428 PC-2-20210428 PC-191-20210428 PC-191-20210428-FD5 PC-53-20210428 PC-71-20210428 PC-72-20210428 H-56R-20210428 H-56R-20210428-FB5 MC-97-20210428 PC-188-20210428 PC-189-20210428 M-48A-20210428 M-48A-20210428-EB6 TR-11-20210428

SDG	Blank ID	Collection Date	Analyte	Concentration	Associated Samples
550-163037-1	UFMW-04D-20210503-TB13	05/03/21	m,p-Xylene	0.45 ug/L	UFMW-04D-20210503 UFMW-05D-20210503 UFMW-06D-20210503
550-163037-1	M-38-20210503-TB15	05/03/21	m,p-Xylene	0.39 ug/L	M-97-20210503 M-38-20210503
550-163268-1	M-19-20210505-TB19	05/05/21	tert-Butylbenzene	0.35 ug/L	M-19-20210505 M-181-20210505 M-182-20210505 M-133-20210505
550-163268-1	M-71-20210505-TB21	05/05/21	tert-Butylbenzene	0.34 ug/L	M-25-20210505 M-25-20210505-FD15 M-71-20210505 M-164-20210505
550-163782-1	M-148A-20210513-TB22	05/13/21	tert-Butylbenzene	0.34 ug/L	M-148A-20210513 M-186D-20210513 M-80-20210513 M-80-20210513-FD4
550-164543-1	PC-31-20210527-TB30	05/27/21	Toluene	0.39 ug/L	PC-31-20210527 PC-159-20210527 PC-160-20210527 PC-55-20210527 PC-18-20210527 PC-123-20210527
550-164543-1	PC-129-20210527-TB29	05/27/21	cis-1,2-Dichloroethene m,p-Xylene o-Xylene Tetrachloroethene Trichloroethene	1.3 ug/L 0.89 ug/L 0.35 ug/L 7.1 ug/L 0.32 ug/L	PC-66-20210527 PC-129-20210527 PC-131-20210527 PC-132-20210527 PC-151-20210527 PC-148-20210527 PC-65-20210527
550-167089-1	PC-97-20210714-TB31	07/14/21	Toluene	0.58 ug/L	PC-97-20210714 PC-96-20210714
550-167297-1	PC-157A-20210716-TB32	07/16/21	Toluene	0.48 ug/L	PC-157A-20210716 PC-157B-20210716
550-167354-1	PC-155A-20210719-TB33	07/19/21	Toluene	0.55 ug/L	PC-155A-20210719 PC-155B-20210719
550-167691-1	PC-156B-20210723-TB34	07/23/21	Methylene chloride Toluene	1.8 ug/L 0.44 ug/L	PC-156A-20210723 PC-156A-20210723-FB27 PC-156B-20210723

Samples PC-71-20210428-TB5 and PC-189-20210428-TB6 (from SDG 550-162775-1) have detected results for several analytes that were uncharacteristic of trip blanks. Although the laboratory indicated that this may be due to carryover from an MS/MSD, using professional judgment, the associated results were qualified as estimated.

Samples M-48A-20210428-EB6 (from SDG 550-162775-1), M-263-20210429-EB7 (from SDG 550-162864-1), PC-197-20210429-EB5 (from SDG 550-162864-1), M-163-20210430-EB8 (from SDG 550-162924-1) UFMW-02D-20210503-EB9 (from SDG 550-163037-1), M-37-20210504-EB4 (from SDG 550-163185-1), M-165-20210505-EB13 (from SDG 550-163268-1), PC-79-20210506-EB11, M-135-20210506-EB12 (both from SDG 550-163375-1), M-68-20210507-EB10, PC-82-20210507-EB17 (from SDG 550-163444-1), PC-126-20210527-EB16 (from SDG 550-164543-1), ARP-2A-20210528-EB14, and PC-134A-20210528-EB15 (both from SDG 550-164588-1) were identified as equipment blanks. No contaminants were found with the following exceptions:

SDG	Blank ID	Collection Date	Analyte	Concentration	Associated Samples
550-162864-1	M-263-20210429-EB7	04/29/21	Chloroform	0.32 ug/L	M-263-20210429
550-163444-1	M-68-20210507-EB10	05/07/21	1,4-Dichlorobenzene	0.22 ug/L	M-68-20210507
550-164543-1	PC-126-20210527-EB16	05/27/21	Bromodichloromethane	0.27 ug/L	PC-126-20210527
550-164588-1	PC-134A-20210528-EB15	05/28/21	Toluene	0.39 ug/L	PC-134A-20210528

Samples H-56R-20210428-FB5 (from SDG 550-162775-1), M-44-20210429-FB6 (from SDG 550-162864-1), MC-53-20210429-FB7 (from SDG 550-162864-1), M-11-20210430-FB4 (from SDG 550-162924-1), M-207-20210430-FB8 (from SDG 550-162924-1), M-118-20210503-FB10 (from SDG 550-163037-1), M-14A-20210505-FB9, M-92-20210505-FB13, PC-74-20210505-FB17 (all three from SDG 550-163268-1), PC-56-20210507-FB11, PC-90-20210507-FB12 (both from SDG 550-163444-1), HMW-14-20210527-FB16 (from SDG 550-164543-1), ARP-7-20210528-FB14, PC-143-20210528-FB15 (both from SDG 550-164588-1), and PC-156A-20210723-FB27 (from SDG 550-167691-1) were identified as a field blank. No contaminants were found with the following exceptions:

SDG	Blank ID	Collection Date	Analyte	Concentration	Associated Samples
550-162775-1	H-56R-20210428-FB5	04/28/21	1,2,4-Trimethylbenzene m,p-Xylene tert-Butylbenzene Toluene	0.34 ug/L 0.43 ug/L 0.37 ug/L 0.28 ug/L	H-56R-20210428
550-163268-1	M-14A-20210505-FB9	05/05/21	Toluene	0.32 ug/L	M-14A-20210505
550-164543-1	HMW-14-20210527-FB16	05/27/21	Toluene	0.28 ug/L	HMW-14-20210527
550-164588-1	PC-143-20210528-FB15	05/28/21	1,2,3-Trichlorobenzene 1,2,4-Trichlorobenzene Toluene	1.9 ug/L 1.0 ug/L 0.49 ug/L	PC-143-20210528

SDG	Blank ID	Collection Date	Analyte	Concentration	Associated Samples
550-167691-1	PC-156A-20210723-FB27	07/23/21	Toluene	0.47 ug/L	PC-156A-20210723 PC-156B-20210723

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
550-162775-1	H-56R-20210428	1,2,4-Trimethylbenzene m,p-Xylene tert-Butylbenzene Toluene	0.40 ug/L 0.47 ug/L 0.38 ug/L 0.36 ug/L	0.40J ug/L 0.47J ug/L 0.38J ug/L 0.36J ug/L
550-162775-1	MC-MW-37R2-20210428	Toluene	0.81 ug/L	0.81J+ ug/L
550-162775-1	PC-72-20210428	1,2,4-Trimethylbenzene m,p-Xylene o-Xylene tert-Butylbenzene Toluene	0.59 ug/L 0.66 ug/L 0.27 ug/L 0.46 ug/L 0.45 ug/L	0.59J+ ug/L 0.66J ug/L 0.27J ug/L 0.46J ug/L 0.45J ug/L
550-162775-1	H-56R-20210428	1,2,4-Trimethylbenzene m,p-Xylene tert-Butylbenzene Toluene	0.40 ug/L 0.47 ug/L 0.38 ug/L 0.36 ug/L	0.40J ug/L 0.47J ug/L 0.38J ug/L 0.36J ug/L
550-162775-1	H-56R-20210428-FB5	1,2,4-Trimethylbenzene m,p-Xylene tert-Butylbenzene Toluene	0.34 ug/L 0.43 ug/L 0.37 ug/L 0.28 ug/L	0.34J ug/L 0.43J ug/L 0.37J ug/L 0.28J ug/L
550-162775-1	MC-97-20210428	m,p-Xylene tert-Butylbenzene	0.35 ug/L 0.37 ug/L	0.35J ug/L 0.37J ug/L
550-162775-1	PC-188-20210428	tert-Butylbenzene	0.36 ug/L	0.36J ug/L
550-162775-1	PC-189-20210428	tert-Butylbenzene	0.36 ug/L	0.36J ug/L
550-163268-1	M-19-20210505	tert-Butylbenzene	0.33 ug/L	0.33J ug/L
550-164543-1	PC-66-20210527	Tetrachloroethene	2.3 ug/L	2.3J+ ug/L
550-164543-1	PC-129-20210527	Tetrachloroethene	0.49 ug/L	0.49J ug/L
550-164543-1	PC-131-20210527	m,p-Xylene Tetrachloroethene	0.37 ug/L 1.1 ug/L	0.37J ug/L 1.1J+ ug/L

SDG	Sample	Analyte	Reported Concentration	Modified Final Concentration
550-164543-1	PC-148-20210527	m,p-Xylene	0.42 ug/L	0.42J ug/L
550-164543-1	PC-65-20210527	Tetrachloroethene	2.9 ug/L	2.9J+ ug/L
550-167691-1	PC-156A-20210723-FB27	Toluene	0.47 ug/L	0.47J ug/L

IV. 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
550-162691-1	PC-195-20210427	Bromofluorobenzene	153 (70-130)	All analytes	J+ (all detects)	P
550-163375-1	M-145-20210506-TB23	Toluene-d8	137 (70-130)	All analytes	NA	-
550-163444-1	PC-60-20210507	Toluene-d8	133 (70-130)	All analytes	NA	-
550-163444-1	PC-59-20210507	Toluene-d8	131 (70-130)	All analytes	NA	-
550-163444-1	PC-62-20210507	Toluene-d8	134 (70-130)	All analytes	NA	-
550-163444-1	PC-90-20210507	Toluene-d8	131 (70-130)	All analytes	J+ (all detects)	P
550-163444-1	PC-90-20210507-FB12	Toluene-d8	132 (70-130)	All analytes	NA	-
550-163495-1	M-76-20210510	Toluene-d8	131 (70-130)	All analytes	J+ (all detects)	A
550-163602-1	M-74-20210511 (10X)	Toluene-d8	131 (70-130)	Chloroform	J+ (all detects)	A
550-163602-1	M-81A-20210511 (10X)	Toluene-d8	131 (70-130)	Chloroform	J+ (all detects)	A
550-163602-1	M-83-20210511	Toluene-d8	131 (70-130)	All analytes	J+ (all detects)	P
550-163678-1	M-73-20210512	Toluene-d8	135 (70-130)	All analytes	J+ (all detects)	P
550-163678-1	M-155-20210512	Toluene-d8	135 (70-130)	All analytes	NA	-
550-163678-1	M-151-20210512	Toluene-d8	131 (70-130)	All analytes	NA	-
550-163782-1	M-148A-20210513	Toluene-d8	131 (70-130)	All analytes	J+ (all detects)	A

SDG	Sample	Surrogate	%R (Limits)	Affected Analyte	Flag	A or P
550-163782-1	M-186D-20210513	Toluene-d8	137 (70-130)	All analytes	NA	-
550-163782-1	M-80-20210513	Toluene-d8	135 (70-130)	All analytes except Chloroform	J+ (all detects)	A
550-163782-1	M-80-20210513	Toluene-d8	132 (70-130)	Chloroform	J+ (all detects)	A
550-163782-1	M-80-20210513-FD4	Toluene-d8	131 (70-130)	All analytes except Chloroform	J+ (all detects)	A
550-163782-1	M-80-20210513-FD4	Toluene-d8	132 (70-130)	Chloroform	J+ (all detects)	A
550-164463-1	PC-142-20210526	Dibromofluoromethane	134 (70-130)	All analytes except Trichloroethene	J+ (all detects)	A
550-164463-1	ARP-1-20210526	Dibromofluoromethane	135 (70-130)	1,2-Dichlorobenzene 1,4-Dichlorobenzene	J+ (all detects) J+ (all detects)	A
550-164463-1	PC-149-20210526	Dibromofluoromethane	140 (70-130)	Toluene	NA	-
550-164543-1	PC-18-20210527	Dibromofluoromethane	137 (70-130)	All analytes except Trichloroethene	J+ (all detects)	A
550-164543-1	PC-123-20210527	Dibromofluoromethane	140 (70-130)	All analytes except Trichloroethene Chloroform	J+ (all detects)	A
550-164543-1	PC-123-20210527	Dibromofluoromethane	136 (70-130)	Chloroform	NA	-
550-164543-1	PC-124-20210527	Dibromofluoromethane	140 (70-130)	Chloroform	J+ (all detects)	A
550-164543-1	PC-124-20210527	Dibromofluoromethane	137 (70-130)	All analytes except Trichloroethene Chloroform	J+ (all detects)	A
550-164543-1	PC-126-20210527	Dibromofluoromethane	136 (70-130)	Chloroform	J+ (all detects)	A
550-164543-1	PC-126-20210527	Dibromofluoromethane	137 (70-130)	All analytes except Trichloroethene Chloroform	J+ (all detects)	A
550-164543-1	PC-126-20210527-EB16	Dibromofluoromethane	134 (70-130)	All analytes except Trichloroethene	J+ (all detects)	A
550-164543-1	PC-129-20210527-TB29	Dibromofluoromethane	135 (70-130)	Toluene	NA	-
550-164588-1	PC-144-20210528-TB28	Dibromofluoromethane	132 (70-130)	All analytes except Trichloroethene	NA	-

SDG	Sample	Surrogate	%R (Limits)	Affected Analyte	Flag	A or P
550-167089-1	PC-97-20210714	Dibromofluoromethane	134 (70-130)	All analytes	NA	-

V. Matrix Spike/Matrix Spike Duplicates

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

SDG	Spike ID (Associated Samples)	Analyte	MS (%R) (Limits)	MSD (%R) (Limits)	Flag	A or P
550-162864-1	M-156-20210429MS/MSD (M-156-20210429)	Chloromethane 1,1-Dichloroethane	161 (50-150) -	179 (50-150) 144 (70-137)	NA	-
550-162864-1	MC-53-20210429MS/MSD (MC-53-20210429)	1,2-Dichloropropane	-	137 (66-135)	NA	-
550-162864-1	MC-53-20210429MS/MSD (MC-53-20210429)	Styrene	0 (21-150)	0 (21-150)	R (all non-detects)	A
550-162864-1	M-6A-20210429MS/MSD (M-6A-20210429)	Chloromethane	-	175 (50-150)	NA	-
550-162924-1	M-260-20210430MS/MSD (M-260-20210430)	Dichlorodifluoromethane	-	172 (21-150)	NA	-
550-162924-1	M-140-20210430MS/MSD (M-140-20210430)	Styrene	11 (21-150)	10 (21-150)	UJ (all non-detects)	A
550-163037-1	M-150-20210503MS/MSD (M-150-20210503)	Dichlorodifluoromethane	176 (21-150)	-	NA	-
550-163185-1	M-32-20210504MS/MSD (M-32-20210504)	Dichlorodifluoromethane	160 (21-150)	-	NA	-
550-163185-1	PC-54-20210504MS/MSD (PC-54-20210504)	Dichlorodifluoromethane	-	187 (21-150)	NA	-
550-163268-1	M-95-20210505MS/MSD (M-95-20210505)	1,2-Dibromo-3-chloropropane	49 (51-143)	-	UJ (all non-detects)	A
550-163782-1	M-148A-20210513MS/MSD (M-148A-20210513)	Chloroform	49 (69-138)	52 (69-138)	J- (all detects)	A
550-164588-1	PC-143-20210528-FB15MS/MSD (PC-143-20210528-FB15)	1,1-Dichloroethene Carbon tetrachloride Chloroethane	31 (53-150) 29 (60-143) 27 (60-146)	31 (53-150) 27 (60-143) 27 (60-146)	UJ (all non-detects) UJ (all non-detects) UJ (all non-detects)	A

For M-68-20210507-EB10MS/MSD (from SDG 550-163444-1), the laboratory indicated that dichlorodifluoromethane was recovered outside the calibration range in the MSD. Due to the quadratic curve fit for this analyte in the calibration range, a value could not be quantified, resulting in the not quantifiable result (NQ). Using professional judgment, no data were qualified since the MS and associated LCS/LCSD percent recoveries were within QC limits and the associated result was not detected.

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

SDG	Spike ID (Associated Samples)	Analyte	RPD (Limits)	Flag	A or P
550-162864-1	M-7B-20210429MS/MSD (M-7B-20210429)	1,2,3-Trichlorobenzene	43 (≤35)	NA	-
550-162864-1	M-7B-20210429MS/MSD (M-7B-20210429)	1,2,4-Trichlorobenzene Hexachlorobutadiene Naphthalene	41 (≤35) 42 (≤35) 55 (≤35)	NA	-
550-163185-1	PC-54-20210504MS/MSD (PC-54-20210504)	Dichlorodifluoromethane	46 (≤35)	NA	-

VI. 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
550-162775-1	LCS/LCSD 550-240834/1002,4 (M-191-20210428 M-191-20210428-TB4 M-13-20210428 M-12A-20210428 MW-K5-20210428 PC-98R-20210428 MC-65R2-20210428 MC-MW-37R2-20210428 TR-12-20210428 H-58R-20210428 PC-2-20210428)	1,2-Dichloroethane 1,2-Dichloropropane Chloromethane tert-Butylbenzene Isopropylether Ethyl tert-butyl ether	145 (70-130) 136 (70-130) 138 (64-134) 132 (70-130) - -	- - 151 (64-134) - 157 (35-150) 135 (70-131)	NA	-
550-162775-1	LCS/LCSD 550-240882/3,4 (PC-191-20210428 PC-191-20210428-FD5 PC-53-20210428 PC-71-20210428)	1,2-Dichloroethane Chloromethane Isopropylether Ethyl tert-butyl ether	131 (70-130) 144 (64-134) 154 (35-150) 132 (70-131)	136 (70-130) - - -	NA	-
550-162775-1	LCS/LCSD 550-241156/3,4 (M-189-20210428 M-48A-20210428-EB6 TR-11-20210428)	1,2-Dichloroethane 1,2-Dichloropropane Chloromethane Isopropylether Vinyl chloride	137 (70-130) 136 (70-130) 170 (64-134) 154 (35-150) 132 (70-130)	134 (70-130) 133 (70-130) 169 (64-134) 155 (35-150) 136 (70-130)	NA	-

SDG	LCS ID (Associated Samples)	Analyte	LCS %R (Limits)	LCSD %R (Limits)	Flag	A or P
550-162864-1	LCS/LCSD 550-241033/3,4 (M-156-20210429 M-156-20210429-TB7 M-152-20210429 M-44-20210429 M-44-20210429-FB6 M-192-20210429 M-190-20210429 M-193-20210429 M-139-20210429 M-52-20210429 PC-103-20210429 MC-50-20210429 M-264-20210429 M-263-20210429 M-263-20210429-EB7 M-161-20210429 MC-51-20210429)	1,2-Dichloroethane Chloromethane Isopropylether Ethyl tert-butyl ether	131 (70-130) 155 (64-134) 155 (35-150) 133 (70-131)	- 153 (64-134) 158 (35-150) 135 (70-131)	NA	-
550-162864-1	LCS/LCSD 550-241084/1003,4 (MC-53-20210429-FB7 PC-196-20210429 PC-197-20210429 PC-197-20210429-EB5 M-213-20210429 M-212-20210429 M-212-20210429-FD7 M-211-20210429-TB11 M-69-20210429 M-210-20210429 M-209-20210429 M-208-20210429 M-265-20210429 M-266-20210429-TB9)	Chloromethane	135 (64-134)	149 (64-134)	NA	-
550-162864-1	LCS/LCSD 550-241156/3,4 (M-7B-20210429)	1,2-Dichloroethane	137 (70-130)	134 (70-130)	J+ (all detects)	P
550-162864-1	LCS/LCSD 550-241156/3,4 (M-7B-20210429)	1,2-Dichloropropane Chloromethane Isopropylether Vinyl chloride	136 (70-130) 170 (64-134) 154 (35-150) 132 (70-130)	133 (70-130) 169 (64-134) 155 (35-150) 136 (70-130)	NA	-
550-162864-1	LCS/LCSD 550-241158/3,4 (MC-93-20210429 MW-16(NERT)-20210429 M-126-20210429 M-154-20210429)	1,2,3-Trichlorobenzene	-	64 (70-130)	UJ (all non-detects)	A
550-162924-1	LCS/LCSD 550-241156/3,4 (TR-1-20210430 M-134-20210430 M-136-20210430 M-141-20210430 M-77R-20210430 M-11-20210430-FB4 M-11-20210430 M-129-20210430 M-162D-20210430 M-163-20210430 M-163-20210430-EB8)	1,2-Dichloroethane 1,2-Dichloropropane Chloromethane Isopropylether Vinyl chloride	137 (70-130) 136 (70-130) 170 (64-134) 154 (35-150) 132 (70-130)	134 (70-130) 133 (70-130) 169 (64-134) 155 (35-150) 136 (70-130)	NA	-

SDG	LCS ID (Associated Samples)	Analyte	LCS %R (Limits)	LCSD %R (Limits)	Flag	A or P
550-162924-1	LCS/LCSD 550-241448/3,4 (M-207-20210430-FB8)	Dichlorodifluoromethane	214 (29-150)	-	NA	-
550-163037-1	LCS/LCSD 550-241350/1002 (UFMW-04D-20210503-TB13 M-38-20210503-TB15 M-64-20210503 M-150-20210503 M-150-20210503-FD9 DFW-03-20210503 DFW-03-20210503-TB14 DFW-04-20210503 DFW-05-20210503)	Dichlorodifluoromethane	151 (29-150)	157 (29-150)	NA	-
550-163037-1	LCS/LCSD 550-241488/3 (UFMW-04D-20210503 UFMW-05D-20210503)	Chloroethane Dichlorodifluoromethane	135 (70-130) 214 (29-150)	- -	NA	-
550-163037-1	LCS/LCSD 550-241573/3,4 (TR-5-20210503-FD10 TR-6-20210503 M-118-20210503-FB10 M-118-20210503)	Chloroethane Dichlorodifluoromethane	133 (70-130) 172 (29-150)	- 131 (29-150)	NA	-
550-163037-1	LCS/LCSD 550-241719/3,4 (M-38-20210503 UFMW-02D-20210503 UFMW-02D-20210503-EB9 UFMW-03D-20210503 TR-5-20210503)	Chloroethane	141 (70-130)	-	NA	-
550-163037-1	LCS/LCSD 550-241719/3,4 (M-38-20210503 UFMW-02D-20210503 UFMW-02D-20210503-EB9 UFMW-03D-20210503 TR-5-20210503)	Dichlorodifluoromethane	Not quantifiable	191 (29-150)	NA	-
550-163185-1	LCS/LCSD 550-241488/3,4 (M-32-20210504 M-33-20210504 M-33-20210504-TB17)	Chloroethane Dichlorodifluoromethane	135 (70-130) 214 (29-150)	- -	NA	-
550-163185-1	LCS/LCSD 550-241573/3,4 (M-103M-20210504 M-117-20210504 M-120-20210504 M-121-20210504 M-121-20210504-FD11 M-37-20210504 M-37-20210504-EB4 TR-9-20210504 TR-9-20210504-TB18 TR-10-20210504 PC-21A-20210504)	Chloroethane Dichlorodifluoromethane	133 (70-130) 172 (29-150)	- -	NA	-

SDG	LCS ID (Associated Samples)	Analyte	LCS %R (Limits)	LCSD %R (Limits)	Flag	A or P
550-163185-1	LCS/LCSD 550-241639/3,4 (PC-54-20210504 PC-107-20210504 PC-77-20210504 M-31A-20210504 M-31A-20210504-FD13)	1,1-Dichloroethene 1,2,4-Trimethylbenzene 1,3,5-Trimethylbenzene p-Isopropyltoluene Bromomethane Chloroethane Chloromethane Hexachlorobutadiene Isopropylbenzene o-Xylene sec-Butylbenzene tert-Butylbenzene Trichlorofluoromethane Vinyl chloride	- - - - - - - - - - - - - -	131 (70-130) 131 (70-130) 138 (70-130) 139 (70-130) 144 (62-136) 159 (70-130) 136 (64-134) 134 (70-130) 140 (70-130) 134 (70-130) 143 (70-130) 133 (70-130) 134 (70-130) 136 (70-130)	NA	-
550-163268-1	LCS/LCSD 550-241710/3,4 (M-25-20210505-FD15)	2-Butanone	-	151 (50-150)	NA	-
550-163268-1	LCS/LCSD 550-241719/3,4 (M-182-20210505 M-133-20210505 M-133-20210505-TB20 M-2A-20210505 M-186-20210505)	Chloroethane Dichlorodifluoromethane	141 (70-130) -	- 191 (29-150)	NA	-
550-163268-1	LCS/LCSD 550-241972/1002,14 (MC-7-20210505 MC-7-20210505-FD17 M-71-20210505)	1,2-Dibromo-3-chloropropane 2-Butanone	- -	141 (61-130) 155 (50-150)	NA	-
550-163602-1	LCS/LCSD 550-242144/3,4 (M-74-20210511 M-81A-20210511)	1,2-Dibromo-3-chloropropane Dibromochloromethane	143 (61-130) 135 (70-130)	139 (61-130) -	NA	-
550-164543-1	LCS/LCSD 550-244334/3,4 (PC-66-20210527 PC-129-20210527 PC-132-20210527)	Chloroethane	-	69 (70-130)	UJ (all non-detects)	P
550-164588-1	LCS/LCSD 550-244188/3,4 (PC-144-20210528 PC-144-20210528-TB28)	1,1,1-Trichloroethane 1,1-Dichloroethene 2,2-Dichloropropane Carbon tetrachloride Chloroethane Methylene chloride trans-1,2-Dichloroethene Trichlorofluoromethane	136 (70-130) 147 (70-130) 134 (70-130) 149 (62-136) 152 (70-130) 139 (70-130) 134 (70-130) 140 (70-130)	- - - - - - - -	NA	-
550-164588-1	LCS/LCSD 550-244629/3,4 (PC-145-20210528)	Carbon tetrachloride	-	69 (70-130)	J- (all detects)	P
550-167089-1	LCS/LCSD 550-247985/1002,4 (All samples in SDG 550-167089-1)	trans-1,2-Dichloroethene	134 (70-130)	-	NA	-
550-167089-1	LCS/LCSD 550-247985/1002,4 (All samples in SDG 550-167089-1)	1,2,4-Trichlorobenzene Hexachlorobutadiene	65 (70-130) 57 (70-130)	- -	UJ (all non-detects) UJ (all non-detects)	P

For LCS/LCSD 550-241719/3,4 (from SDG 550-163037-1), the laboratory indicated that dichlorodifluoromethane was recovered outside the calibration range in the LCS. Due to the quadratic curve fit for this analyte in the calibration range, a value could not be quantified, resulting in the not quantifiable result (NQ). Using professional judgment, no data were qualified since dichlorodifluoromethane percent recoveries in UFMW-02D-20210503MS/MSD, which were analyzed in the same analytical batch, were within QC limits and the associated results were not detected.

For LCS/LCSD 550-241719/3,4 and LCS/LCSD 550-241639/3,4 (from SDG 550-163185-1), the laboratory indicated that dichlorodifluoromethane was recovered outside the calibration range in the LCSD. Due to the quadratic curve fit for this analyte in the calibration range, a value could not be quantified, resulting in the not quantifiable result (NQ). Using professional judgment, no data were qualified since dichlorodifluoromethane percent recoveries in the LCSD and PC-54-20210504MS, which was analyzed in the same analytical batch, were within QC limits. Dichlorodifluoromethane percent recovery in PC-54-20210504MSD was above QC limits, however, the associated results were not detected.

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

SDG	LCS ID (Associated Samples)	Analyte	RPD (Limits)	Flag	A or P
550-162924-1	LCS/LCSD 550-241160/1004,26 (M-162-20210430)	Bromoform	26 (≤20)	NA	-
550-162924-1	LCS/LCSD 550-241448/3,4 (M-207-20210430-FB8)	1,1-Dichloroethene 2,2-Dichloropropane Bromomethane Chloroethane Chloromethane Dichlorodifluoromethane Trichlorofluoromethane Vinyl chloride	22 (≤20) 22 (≤20) 27 (≤20) 34 (≤20) 29 (≤20) 51 (≤21) 21 (≤20) 28 (≤20)	NA	-
550-163037-1	LCS/LCSD 550-241488/3 (UFMW-04D-20210503 UFMW-05D-20210503)	1,1-Dichloroethene	22 (≤20)	J (all detects)	P
550-163037-1	LCS/LCSD 550-241488/3 (UFMW-04D-20210503 UFMW-05D-20210503)	2,2-Dichloropropane Bromomethane Chloroethane Chloromethane Dichlorodifluoromethane Trichlorofluoromethane Vinyl chloride	22 (≤20) 27 (≤20) 34 (≤20) 29 (≤20) 59 (≤21) 21 (≤20) 28 (≤20)	NA	-
550-163037-1	LCS/LCSD 550-241573/3,4 (TR-5-20210503-FD10 TR-6-20210503 M-118-20210503-FB10 M-118-20210503)	Dichlorodifluoromethane	28 (≤21)	NA	-

SDG	LCS ID (Associated Samples)	Analyte	RPD (Limits)	Flag	A or P
550-163185-1	LCS/LCSD 550-241488/3,4 (M-32-20210504 M-33-20210504 M-33-20210504-TB17)	1,1-Dichloroethene 2,2-Dichloropropane Bromomethane Chloroethane Chloromethane Dichlorodifluoromethane Trichlorofluoromethane Vinyl chloride	22 (≤20) 22 (≤20) 27 (≤20) 34 (≤20) 29 (≤20) 59 (≤21) 21 (≤20) 28 (≤20)	NA	-
550-163185-1	LCS/LCSD 550-241573/3,4 (M-103M-20210504 M-117-20210504 M-120-20210504 M-121-20210504 M-121-20210504-FD11 M-37-20210504 M-37-20210504-EB4 TR-9-20210504 TR-9-20210504-TB18 TR-10-20210504 PC-21A-20210504)	Dichlorodifluoromethane	28 (≤21)	NA	-
550-163185-1	LCS/LCSD 550-241639/3,4 (PC-54-20210504 PC-107-20210504 PC-77-20210504 M-31A-20210504 M-31A-20210504-FD13)	1,1,1-Trichloroethane 1,1-Dichloroethene 2,2-Dichloropropane Bromomethane Carbon tetrachloride Chloroethane Chloromethane Methylene chloride Naphthalene Trichlorofluoromethane Vinyl chloride	31 (≤20) 32 (≤20) 30 (≤20) 36 (≤20) 27 (≤20) 51 (≤20) 34 (≤20) 23 (≤20) 21 (≤20) 33 (≤20) 37 (≤20)	NA	-
550-163268-1	LCS/LCSD 550-241972/1002,14 (MC-7-20210505 MC-7-20210505-FD17 M-71-20210505)	2-Butanone	61 (≤34)	NA	-
550-163375-1	LCS/LCSD 550-241777/3,4 (M-149-20210506 M-153-20210506 PC-79-20210506 PC-79-20210506-EB11 M-145-20210506 M-268-20210506 M-267-20210506 M-214-20210506 PC-94-20210506 PC-94-20210506-FD14 SWFTS-MW07A-20210506 SWFTS-MW08A-20210506 SWFTS-MW08C-20210506 PC-40R-20210506 PC-198-20210506 PC-199-20210506 M-135-20210506 M-135-20210506-EB12)	Bromomethane Chloromethane Dichlorodifluoromethane Trichlorofluoromethane Vinyl chloride	23 (≤20) 22 (≤20) 26 (≤21) 21 (≤20) 24 (≤20)	NA	-

SDG	LCS ID (Associated Samples)	Analyte	RPD (Limits)	Flag	A or P
550-164543-1	LCS/LCSD 550-243804/3,4 (PC-28-20210527 PC-24-20210527 PC-50-20210527 PC-153R-20210527 PC-154-20210527 PC-158-20210527 PC-158-20210527-FD16 ART-6-20210527 HMW-16-20210527 HMW-15-20210527 HMW-14-20210527 HMW-14-20210527-FB16 HMW-13-20210527 PC-31-20210527-TB30 PC-31-20210527 PC-159-20210527 PC-160-20210527 PC-55-20210527)	Bromomethane Chloroethane Chloromethane Dichlorodifluoromethane Vinyl chloride	27 (≤20) 33 (≤20) 26 (≤20) 43 (≤20) 27 (≤20)	NA	-
550-164543-1	LCS/LCSD 550-244068/3,4 (PC-129-20210527-TB29 PC-131-20210527 PC-148-20210527)	1,1,1,2-Tetrachloroethane 1,1,1-Trichloroethane 1,1-Dichloroethene 2,2-Dichloropropane Bromomethane Carbon tetrachloride Chloroethane Chloromethane Dichlorodifluoromethane Trichlorofluoromethane Vinyl chloride	23 (≤20) 26 (≤20) 24 (≤20) 28 (≤20) 33 (≤20) 28 (≤20) 44 (≤20) 33 (≤20) 45 (≤20) 27 (≤20) 33 (≤20)	NA	-
550-164543-1	LCS/LCSD 550-244068/3,4 (PC-131-20210527)	1,2,4-Trichlorobenzene	21 (≤20)	J (all detects)	P
550-164543-1	LCS/LCSD 550-244068/3,4 (PC-129-20210527-TB29 PC-148-20210527)	1,2,4-Trichlorobenzene	21 (≤20)	NA	-
550-164543-1	LCS/LCSD 550-244228/3,4 (PC-151-20210527 PC-65-20210527)	Dichlorodifluoromethane	26 (≤21)	NA	-
550-164588-1	LCS/LCSD 550-244188/3,4 (PC-144-20210528 PC-144-20210528-TB28)	Bromomethane Chloroethane	21 (≤20) 24 (≤20)	NA	-
550-164588-1	LCS/LCSD 550-244228/1002,4 (ARP-5A-20210528 ARP-7-20210528 ARP-7-20210528-FB14 PC-134D-20210528 PC-135A-20210528 PC-4-20210528 PC-143-20210528)	Dichlorodifluoromethane	26 (≤21)	NA	-

SDG	LCS ID (Associated Samples)	Analyte	RPD (Limits)	Flag	A or P
550-167089-1	LCS/LCSD 550-247985/1002,4 (All samples in SDG 550-167089-1)	2,2-Dichloropropane 2-Butanone Bromochloromethane Chloroform cis-1,2-Dichloroethene Ethyl tert-butyl ether Tetrachloroethene	35 (≤20) 37 (≤20) 40 (≤20) 30 (≤20) 35 (≤20) 22 (≤20) 35 (≤20)	NA	-

VII. Field Duplicates

Samples PC-191-20210428 and PC-191-20210428-FD5 (both from SDG 550-162775-1), samples M-212-20210429 and M-212-20210429-FD7 (both from SDG 550-162864-1), samples M-23-20210429 and M-23-20210429-FD6 (both from SDG 550-162864-1), samples M-160-20210430 and M-160-20210430-FD12 (both from SDG 550-162924-1), samples M-66-20210430 and M-66-20210430-FD8 (both from SDG 550-162924-1), samples TR-5-20210503 and TR-5-20210503-FD10 (both from SDG 550-163037-1), samples M-150-20210503 and M-150-20210503-FD9 (both from SDG 550-163037-1), samples M-121-20210504 and M-121-20210504-FD11 (both from SDG 550-163185-1), samples M-31A-20210504 and M-31A-20210504-FD13 (both from SDG 550-163185-1), samples MC-7-20210505 and MC-7-20210505-FD17 (both from SDG 550-163268-1), samples M-25-20210505 and M-25-20210505-FD15 (both from SDG 550-163268-1), samples PC-94-20210506 and PC-94-20210506-FD14 (both from SDG 550-163375-1), samples M-80-20210513 and M-80-20210513-FD4 (both from SDG 550-163782-1), and samples PC-158-20210527 and PC-158-20210527-FD16 (both from SDG 550-164543-1) were identified as field duplicates. No results were detected in any of the samples with the following exceptions:

SDG	Analyte	Concentration (ug/L)		RPD (Limits)	Flag	A or P
		PC-191-20210428	PC-191-20210428-FD5			
550-162775-1	1,1-Dichloroethane	2.2	2.2	0 (≤30)	-	-
	Chloroform	1.5	1.7	12 (≤30)	-	-
	Tetrachloroethene	0.50U	0.33	41 (≤30)	NQ	-

SDG	Analyte	Concentration (ug/L)		RPD (Limits)	Flag	A or P
		M-212-20210429	M-212-20210429-FD7			
550-162864-1	Chloroform	57	57	0 (≤30)	-	-
	Bromodichloromethane	0.48	0.62	25 (≤30)	-	-

SDG	Analyte	Concentration (ug/L)		RPD (Limits)	Flag	A or P
		M-23-20210429	M-23-20210429-FD6			
550-162864-1	Carbon tetrachloride	0.95	0.90	5 (≤30)	-	-
	Tetrachloroethene	0.58	0.49	17 (≤30)	-	-
	Trichloroethene	0.43	0.38	12 (≤30)	-	-
	Chloroform	470	460	2 (≤30)	-	-

SDG	Analyte	Concentration (ug/L)		RPD (Limits)	Flag	A or P
		M-160-20210430	M-160-20210430-FD12			
550-162924-1	Chloroform	3600	3900	8 (≤30)	-	-
	Carbon tetrachloride	76	70	8 (≤30)	-	-

SDG	Analyte	Concentration (ug/L)		RPD (Limits)	Flag	A or P
		M-66-20210430	M-66-20210430-FD8			
550-162924-1	Chloroform	640	730	13 (≤30)	-	-

SDG	Analyte	Concentration (ug/L)		RPD (Limits)	Flag	A or P
		M-150-20210503	M-150-20210503-FD9			
550-163037-1	1,2-Dichlorobenzene	0.27	0.50U	200 (≤30)	NQ	-
	Toluene	0.40	0.28	35 (≤30)	NQ	-

SDG	Analyte	Concentration (ug/L)		RPD (Limits)	Flag	A or P
		M-121-20210504	M-121-20210504-FD11			
550-163185-1	Chloroform	1.5	1.4	7 (≤30)	-	-

SDG	Analyte	Concentration (ug/L)		RPD (Limits)	Flag	A or P
		M-31A-20210504	M-31A-20210504-FD13			
550-163185-1	Chloroform	7.5	6.9	8 (≤30)	-	-
	trans-1,2-Dichloroethene	0.76	0.66	14 (≤30)	-	-

SDG	Analyte	Concentration (ug/L)		RPD (Limits)	Flag	A or P
		MC-7-20210505	MC-7-20210505-FD17			
550-163268-1	1,1-Dichloroethane	3.7	3.4	8 (≤30)	-	-
	1,1-Dichloroethene	0.62	0.67	8 (≤30)	-	-
	1,2,3-Trichlorobenzene	10	9.6	4 (≤30)	-	-
	1,2,4-Trichlorobenzene	33	30	10 (≤30)	-	-
	1,2-Dichlorobenzene	110	110	0 (≤30)	-	-
	1,2-Dichloroethane	1.4	1.4	0 (≤30)	-	-
	1,3-Dichlorobenzene	7.0	7.1	1 (≤30)	-	-
	1,4-Dichlorobenzene	150	150	0 (≤30)	-	-
	Benzene	3.5	3.7	6 (≤30)	-	-
	Chlorobenzene	440	480	9 (≤30)	-	-
	Chloroform	0.46	0.44	4 (≤30)	-	-
	cis-1,2-Dichloroethene	0.89	0.92	3 (≤30)	-	-
	Trichloroethene	32	32	0 (≤30)	-	-

SDG	Analyte	Concentration (ug/L)		RPD (Limits)	Flag	A or P
		M-25-20210505	M-25-20210505-FD15			
550-163268-1	m,p-Xylene	0.45	1.9	123 (≤30)	NQ	-
	Toluene	0.65	1.0U	200 (≤30)	NQ	-
	Trichloroethene	2.9	6.2	73 (≤30)	NQ	-
	Chloroform	190	220	15 (≤30)	-	-

SDG	Analyte	Concentration (ug/L)		RPD (Limits)	Flag	A or P
		PC-94-20210506	PC-94-20210506-FD14			
550-163375-1	Chloroform	0.64	0.63	2 (≤30)	-	-

SDG	Analyte	Concentration (ug/L)		RPD (Limits)	Flag	A or P
		M-80-20210513	M-80-20210513-FD4			
550-163782-1	1,2-Dichlorobenzene	0.57	0.56	2 (≤30)	-	-
	1,3-Dichlorobenzene	0.51	0.52	2 (≤30)	-	-
	1,4-Dichlorobenzene	0.45	0.4	12 (≤30)	-	-
	Benzene	0.32	0.28	13 (≤30)	-	-
	Bromoform	1.6	1.5	6 (≤30)	-	-
	Carbon tetrachloride	3.5	3.4	3 (≤30)	-	-
	Dibromochloromethane	0.30	0.31	3 (≤30)	-	-
	Bromodichloromethane	0.61	0.50	20 (≤30)	-	-
	Toluene	0.39	0.37	5 (≤30)	-	-
	Trichloroethene	1.0	0.91	9 (≤30)	-	-
	Chloroform	100	160	46 (≤30)	J (all detects)	A

SDG	Analyte	Concentration (ug/L)		RPD (Limits)	Flag	A or P
		PC-158-20210527	PC-158-20210527-FD16			
550-164543-1	1,1-Dichloroethane	1.6	1.6	0 (≤30)	-	-
	Chloroform	1.3	1.3	0 (≤30)	-	-
	Bromodichloromethane	0.28	0.26	7 (≤30)	-	-

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

VIII. Overall Assessment of Data

The analysis was conducted within all specifications of the method.

Due to MS/MSD %R, one styrene result was rejected in one sample.

Due to surrogate %R, MS/MSD %R, LCS/LCSD %R and RPD, and field duplicate RPD, eighty-one VOC results were qualified as estimated in thirty-six samples.

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

Due to trip blank contamination, twenty-six VOC results were qualified as estimated in fourteen samples.

Due to field blank contamination, four VOC results were qualified as estimated in one sample.

NERT GWM Performance Sampling, January to July 2021
Volatiles - Data Qualification Summary - SDGs 550-162595-1, 550-162691-1, 550-162775-1, 550-162864-1, 550-162924-1, 550-163037-1, 550-163185-1, 550-163268-1, 550-163375-1, 550-163444-1, 550-163495-1, 550-163602-1, 550-163662-1, 550-163678-1, 550-163782-1, 550-164463-1, 550-164543-1, 550-164588-1, 550-166351-1, 550-167089-1, 550-167297-1, 550-167354-1, 550-167691-1

SDG	Sample	Analyte	Flag	A or P	Reason (Code)
550-162691-1	PC-195-20210427	All analytes	J+ (all detects)	P	Surrogates (%R) (s)
550-163444-1	PC-90-20210507	All analytes	J+ (all detects)	P	Surrogates (%R) (s)
550-163495-1	M-76-20210510	All analytes	J+ (all detects)	A	Surrogates (%R) (s)
550-163602-1	M-74-20210511 (10X) M-81A-20210511 (10X)	Chloroform	J+ (all detects)	A	Surrogates (%R) (s)
550-163602-1	M-83-20210511	All analytes	J+ (all detects)	P	Surrogates (%R) (s)
550-163678-1	M-73-20210512	All analytes	J+ (all detects)	P	Surrogates (%R) (s)
550-163782-1	M-148A-20210513	All analytes	J+ (all detects)	A	Surrogates (%R) (s)
550-163782-1	M-80-20210513	All analytes	J+ (all detects)	A	Surrogates (%R) (s)
550-163782-1	M-80-20210513-FD4	All analytes	J+ (all detects)	A	Surrogates (%R) (s)
550-164463-1	PC-142-20210526	All analytes except Trichloroethene	J+ (all detects)	A	Surrogates (%R) (s)
550-164463-1	ARP-1-20210526	1,2-Dichlorobenzene 1,4-Dichlorobenzene	J+ (all detects) J+ (all detects)	A	Surrogates (%R) (s)
550-164543-1	PC-18-20210527	All analytes except Trichloroethene	J+ (all detects)	A	Surrogates (%R) (s)
550-164543-1	PC-123-20210527	All analytes except Trichloroethene Chloroform	J+ (all detects)	A	Surrogates (%R) (s)
550-164543-1	PC-124-20210527	Chloroform	J+ (all detects)	A	Surrogates (%R) (s)
550-164543-1	PC-124-20210527	All analytes except Trichloroethene Chloroform	J+ (all detects)	A	Surrogates (%R) (s)
550-164543-1	PC-126-20210527	Chloroform	J+ (all detects)	A	Surrogates (%R) (s)

SDG	Sample	Analyte	Flag	A or P	Reason (Code)
550-164543-1	PC-126-20210527	All analytes except Trichloroethene Chloroform	J+ (all detects)	A	Surrogates (%R) (s)
550-164543-1	PC-126-20210527-EB16	All analytes except Trichloroethene	J+ (all detects)	A	Surrogates (%R) (s)
550-162864-1	MC-53-20210429	Styrene	R (all non-detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
550-162924-1	M-140-20210430	Styrene	UJ (all non-detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
550-163268-1	M-95-20210505	1,2-Dibromo-3-chloropropane	UJ (all non-detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
550-163782-1	M-148A-20210513	Chloroform	J- (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
550-164588-1	PC-143-20210528-FB15	1,1-Dichloroethene Carbon tetrachloride Chloroethane	UJ (all non-detects) UJ (all non-detects) UJ (all non-detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
550-162864-1	M-7B-20210429	1,2-Dichloroethane	J+ (all detects)	P	Laboratory control samples (%R) (l)
550-162864-1	MC-93-20210429 MW-16(NERT)-20210429 M-126-20210429 M-154-20210429	1,2,3-Trichlorobenzene	UJ (all non-detects)	A	Laboratory control samples (%R) (l)
550-164543-1	PC-66-20210527 PC-129-20210527 PC-132-20210527	Chloroethane	UJ (all non-detects)	P	Laboratory control samples (%R) (l)
550-164588-1	PC-145-20210528	Carbon tetrachloride	J- (all detects)	P	Laboratory control samples (%R) (l)
550-167089-1	PC-97-20210714 PC-96-20210714 PC-97-20210714-TB31	1,2,4-Trichlorobenzene Hexachlorobutadiene	UJ (all non-detects) UJ (all non-detects)	P	Laboratory control samples (%R) (l)
550-163037-1	UFMW-04D-20210503 UFMW-05D-20210503	1,1-Dichloroethene	J (all detects)	P	Laboratory control samples (RPD) (ld)
550-164543-1	PC-131-20210527	1,2,4-Trichlorobenzene	J (all detects)	P	Laboratory control samples (RPD) (ld)
550-163782-1	M-80-20210513 M-80-20210513-FD4	Chloroform	J (all detects)	A	Field duplicates (RPD) (fd)

NERT GWM Performance Sampling, January to July 2021
Volatiles - Laboratory Blank Data Qualification Summary - SDGs 550-162595-1, 550-162691-1, 550-162775-1, 550-162864-1, 550-162924-1, 550-163037-1, 550-163185-1, 550-163268-1, 550-163375-1, 550-163444-1, 550-163495-1, 550-163602-1, 550-163662-1, 550-163678-1, 550-163782-1, 550-164463-1, 550-164543-1, 550-164588-1, 550-166351-1, 550-167089-1, 550-167297-1, 550-167354-1, 550-167691-1

SDG	Sample	Analyte	Modified Final Concentration	A or P	Code
550-162775-1	PC-71-20210428-TB5	tert-Butylbenzene	0.42J ug/L	A	bl,ba
550-162775-1	PC-72-20210428	tert-Butylbenzene	0.46J ug/L	A	bl,bb
550-162775-1	H-56R-20210428	tert-Butylbenzene	0.38J ug/L	A	bl,bb
550-162775-1	H-56R-20210428-FB5	tert-Butylbenzene	0.37J ug/L	A	bl,bb
550-162775-1	MC-97-20210428	tert-Butylbenzene	0.37J ug/L	A	bl,bb
550-162775-1	PC-188-20210428	tert-Butylbenzene	0.36J ug/L	A	bl,bb
550-162775-1	PC-189-20210428	tert-Butylbenzene	0.36J ug/L	A	bl,bb
550-162924-1	M-140-20210430	tert-Butylbenzene	0.42J ug/L	A	bl,bb
550-162924-1	UFMW-01D-20210430	tert-Butylbenzene	0.36J ug/L	A	bl,bb
550-163037-1	M-64-20210503 (5X)	Toluene	1.9J ug/L	A	bl,bb
550-163037-1	M-150-20210503	Toluene	0.40J ug/L	A	bl,bb
550-163037-1	M-150-20210503-FD9	Toluene	0.28J ug/L	A	bl,bb
550-163037-1	DFW-03-20210503	Toluene	0.33J ug/L	A	bl,bb
550-163037-1	DFW-03-20210503-TB14	Toluene	0.45J ug/L	A	bl,bb
550-163037-1	DFW-04-20210503	Toluene	0.28J ug/L	A	bl,bb
550-163037-1	DFW-05-20210503	Toluene	0.29J ug/L	A	bl,bb
550-163268-1	M-19-20210505	tert-Butylbenzene	0.33J ug/L	A	bl,bb
550-163268-1	M-19-20210505-TB19	tert-Butylbenzene	0.35J ug/L	A	bl,bb
550-163268-1	M-165-20210505	tert-Butylbenzene	0.32J ug/L	A	bl,bb

SDG	Sample	Analyte	Modified Final Concentration	A or P	Code
550-163268-1	M-92-20210505	tert-Butylbenzene	0.31J ug/L	A	bl,bb
550-163268-1	M-71-20210505-TB21	tert-Butylbenzene	0.34J ug/L	A	bl,bb
550-163375-1	M-149-20210506	tert-Butylbenzene	0.38J ug/L	A	bl,bb
550-163375-1	M-153-20210506	tert-Butylbenzene	0.34J ug/L	A	bl,bb
550-163375-1	PC-79-20210506	tert-Butylbenzene	0.34J ug/L	A	bl,bb
550-163375-1	M-145-20210506	tert-Butylbenzene	0.31J ug/L	A	bl,bb
550-163444-1	M-67-20210507 (5X)	tert-Butylbenzene	1.6J ug/L	A	bl,bb
550-163444-1	PC-56-20210507	tert-Butylbenzene	0.38J ug/L	A	bl,bb
550-163782-1	M-148A-20210513-TB22	tert-Butylbenzene	0.34J ug/L	A	bl,bb
550-164463-1	ARP-1-20210526	1,3-Dichlorobenzene	0.24J ug/L	A	bl,bb
550-167297-1	PC-157A-20210716	Dichlorodifluoromethane	0.68J ug/L	A	bl,ba
550-167297-1	PC-157B-20210716	Dichlorodifluoromethane	0.65J ug/L	A	bl,ba
550-167354-1	PC-155B-20210719	Dichlorodifluoromethane	0.63J ug/L	A	bl,ba

NERT GWM Performance Sampling, January to July 2021
Volatiles - Field Blank Data Qualification Summary - SDGs 550-162595-1, 550-162691-1, 550-162775-1, 550-162864-1, 550-162924-1, 550-163037-1, 550-163185-1, 550-163268-1, 550-163375-1, 550-163444-1, 550-163495-1, 550-163602-1, 550-163662-1, 550-163678-1, 550-163782-1, 550-164463-1, 550-164543-1, 550-164588-1, 550-166351-1, 550-167089-1, 550-167297-1, 550-167354-1, 550-167691-1

SDG	Sample	Analyte	Modified Final Concentration	A or P	Code
550-162775-1	MC-MW-37R2-20210428	Toluene	0.81J+ ug/L	A	bt, bb
550-162775-1	PC-72-20210428	1,2,4-Trimethylbenzene m,p-Xylene o-Xylene Toluene	0.59J+ ug/L 0.66J ug/L 0.27J ug/L 0.45J ug/L	A	bt, ba
550-162775-1	PC-72-20210428	tert-Butylbenzene	0.46J ug/L	A	bt, bb

SDG	Sample	Analyte	Modified Final Concentration	A or P	Code
550-162775-1	H-56R-20210428	1,2,4-Trimethylbenzene m,p-Xylene Toluene	0.40J ug/L 0.47J ug/L 0.36J ug/L	A	bt, ba
550-162775-1	H-56R-20210428	tert-Butylbenzene	0.38J ug/L	A	bt, bb
550-162775-1	H-56R-20210428	1,2,4-Trimethylbenzene m,p-Xylene tert-Butylbenzene Toluene	0.40J ug/L 0.47J ug/L 0.38J ug/L 0.36J ug/L	A	bf,bb
550-162775-1	H-56R-20210428-FB5	1,2,4-Trimethylbenzene m,p-Xylene Toluene	0.34J ug/L 0.43J ug/L 0.28J ug/L	A	bt, ba
550-162775-1	H-56R-20210428-FB5	tert-Butylbenzene	0.38J ug/L	A	bt, bb
550-162775-1	MC-97-20210428	m,p-Xylene	0.35J ug/L	A	bt, ba
550-162775-1	MC-97-20210428	tert-Butylbenzene	0.37J ug/L	A	bt, bb
550-162775-1	PC-188-20210428	tert-Butylbenzene	0.36J ug/L	A	bt, bb
550-162775-1	PC-189-20210428	tert-Butylbenzene	0.36J ug/L	A	bt, bb
550-163268-1	M-19-20210505	tert-Butylbenzene	0.33J ug/L	A	bt,bb
550-164543-1	PC-66-20210527	Tetrachloroethene	2.3J+ ug/L	A	bt,ba
550-164543-1	PC-129-20210527	Tetrachloroethene	0.49J ug/L	A	bt,ba
550-164543-1	PC-131-20210527	m,p-Xylene	0.37J ug/L	A	bt,bb
550-164543-1	PC-131-20210527	Tetrachloroethene	1.1J+ ug/L	A	bt,ba
550-164543-1	PC-148-20210527	m,p-Xylene	0.42J ug/L	A	bt,bb
550-164543-1	PC-65-20210527	Tetrachloroethene	2.9J+ ug/L	A	bt,ba
550-167691-1	PC-156A-20210723-FB27	Toluene	0.47J ug/L	A	bt, bb

ATTACHMENT B

VOC SIM Data Validation Report

Volatile Organic Compounds (VOCs) by Environmental Protection Agency (EPA) SW 846 Method 8260B in Selected Ion Monitoring (SIM) mode

I. Sample Receipt and Technical Holding Times

All samples were received in good condition with the following exceptions:

SDG	Sample	Analyte	Finding	Criteria	Flag	A or P
550-162775-1	PC-71-20210428-TB5	All analytes	A headspace was apparent in the sample containers.	There should be no headspace in the sample containers.	UJ (all non-detects)	A
550-163185-1	M-121-20210504 M-121-20210504-FD11 M-32-20210504 M-33-20210504-TB17	All analytes	A headspace was apparent in the sample containers.	There should be no headspace in the sample containers.	J- (all detects) UJ (all non-detects)	A
550-163375-1	M-145-20210506 M-268-20210506 M-267-20210506 M-135-20210506-EB12	All analytes	A headspace was apparent in the sample containers.	There should be no headspace in the sample containers.	J- (all detects) UJ (all non-detects)	A
550-163444-1	PC-56-20210507	All analytes	A headspace was apparent in the sample containers.	There should be no headspace in the sample containers.	J- (all detects) UJ (all non-detects)	A
550-163782-1	M-186D-20210513	All analytes	A headspace was apparent in the sample containers.	There should be no headspace in the sample containers.	UJ (all non-detects)	A
550-164543-1	PC-129-20210527-TB29	All analytes	A headspace was apparent in the sample containers.	There should be no headspace in the sample containers.	UJ (all non-detects)	A

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

Cooler temperature for one of five coolers in SDG 550-162691-1 was reported at 22.6°C; cooler temperature for one of six coolers in SDG 550-162864-1 was reported at 21.6°C; cooler temperature for one of five coolers in SDGs 550-162775-1 and 550-162924-1 was reported at 24.8°C; cooler temperature for one of five coolers in SDG 550-163037-1 was reported at 23.9°C; cooler temperature for one of five coolers in SDG 550-163185-1 was reported at 22.6°C; cooler temperature for one of five coolers in SDG 550-163268-1 was reported at 25.5°C; cooler temperature for one of five coolers in SDGs 550-163375-1, 550-163662-1, and 550-163678-1 was reported at 24.9°C; cooler temperature for one of seven coolers in SDG 550-163444-1 was reported at 25.5°C; cooler temperature for one of five coolers in SDG 550-163495-1 was reported at 22.0°C; cooler temperature for one of five coolers in SDG 550-163602-1 was reported at 24.5°C; cooler temperature for one of five coolers in SDG 550-163782-1 was reported at 24.8°C; cooler temperature for one of two coolers in SDG 550-164463-1 was reported at 24.9°C; cooler temperature for one of five coolers in SDG 550-164543-1 was reported at 23.6°C; cooler temperature for one of four coolers

in SDG 550-164588-1 was reported at 24.5°C; cooler temperature for SDG 550-166351-1 was reported at 27.5°C; cooler temperature for SDG 550-167089-1 was reported at 24.0°C; cooler temperature for SDG 550-167297-1 was reported at 26.0°C; cooler temperature for SDG 550-167354-1 was reported at 23.9°C; and cooler temperature for SDG 550-167691-1 was reported at 28.7°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 were qualified based on the cooler temperature.

All technical holding time requirements were met.

II. 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	Analysis Date	Analyte	Concentration	Associated Samples
550-163037-1	MB 280-535500/6	05/09/21	1,4-Dioxane	0.673 ug/L	UFMW-04D-20210503 UFMW-04D-20210503-TB13 UFMW-05D-20210503 UFMW-06D-20210503 M-97-20210503 M-38-20210503 M-38-20210503-TB15 UFMW-02D-20210503 UFMW-02D-20210503-EB9 UFMW-03D-20210503 TR-5-20210503 TR-5-20210503-FD10
550-163444-1	MB 280-536388/6	05/17/21	1,4-Dioxane	0.363 ug/L	M-68-20210507 M-68-20210507-EB10 M-220-20210507 M-67-20210507 M-147-20210507 M-35-20210507 M-35-20210507-TB25 M-75-20210507 PC-82-20210507 PC-82-20210507-EB17 PC-86-20210507 PC-91-20210507 PC-58-20210507 PC-56-20210507-FB11 PC-60-20210507
550-167691-1	MB 280-544591/6	07/28/21	1,4-Dioxane	0.319 ug/L	PC-156A-20210723 PC-156A-20210723-FB27 PC-156B-20210723-TB34

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
550-163037-1	UFMW-04D-20210503-TB13	1,4-Dioxane	0.48 ug/L	0.48J ug/L
550-163037-1	M-38-20210503	1,4-Dioxane	0.75 ug/L	0.75J ug/L
550-163037-1	UFMW-02D-20210503	1,4-Dioxane	0.93 ug/L	0.93J ug/L
550-163444-1	M-68-20210507	1,4-Dioxane	0.80 ug/L	0.80J ug/L
550-163444-1	M-68-20210507-EB10	1,4-Dioxane	0.41 ug/L	0.41J ug/L
550-163444-1	M-220-20210507	1,4-Dioxane	0.30 ug/L	0.30J ug/L
550-163444-1	M-67-20210507	1,4-Dioxane	0.71 ug/L	0.71J ug/L
550-163444-1	M-147-20210507	1,4-Dioxane	0.74 ug/L	0.74J ug/L
550-163444-1	M-35-20210507	1,4-Dioxane	0.39 ug/L	0.39J ug/L
550-163444-1	M-35-20210507-TB25	1,4-Dioxane	0.34 ug/L	0.34J ug/L
550-163444-1	PC-82-20210507	1,4-Dioxane	0.52 ug/L	0.52J ug/L
550-163444-1	PC-86-20210507	1,4-Dioxane	0.50 ug/L	0.50J ug/L
550-163444-1	PC-91-20210507	1,4-Dioxane	0.64 ug/L	0.64J ug/L
550-163444-1	PC-58-20210507	1,4-Dioxane	0.50 ug/L	0.50J ug/L
550-163444-1	PC-56-20210507-FB11	1,4-Dioxane	0.34 ug/L	0.34J ug/L
550-163444-1	PC-60-20210507	1,4-Dioxane	0.51 ug/L	0.51J ug/L
550-167691-1	PC-156A-20210723	1,4-Dioxane	0.64 ug/L	0.64J ug/L
550-167691-1	PC-156B-20210723-TB34	1,4-Dioxane	0.31 ug/L	0.31J ug/L

III. Field Blanks

Samples PC-137D-20210426-TB1 (from SDG 550-162595-1), PC-130-20210427-TB2 (from SDG 550-162691-1), M-137-20210427-TB3 (from SDG 550-162691-1), M-191-20210428-TB4 (from SDG 550-162775-1), PC-71-20210428-TB5 (from SDG 550-162775-1), PC-189-20210428-TB6 (from SDG 550-162775-1), M-156-20210429-TB7 (from SDG 550-162864-1), M-211-20210429-TB11 (from SDG 550-162864-1), TR-2-20210429-TB8 (from SDG 550-162864-1), M-266-20210429-TB9 (from SDG 550-

162864-1), TR-3-20210430-TB10 (from SDG 550-162924-1), M-79-20210430-TB12 (from SDG 550-162924-1), UFMW-04D-20210503-TB13, M-38-20210503-TB15, DFW-03-20210503-TB14 (all three from SDG 550-163037-1), TR-9-20210504-TB18, M-33-20210504-TB17 (both from SDG 550-163185-1), M-19-20210505-TB19, M-133-20210505-TB20, M-71-20210505-TB21 (all three from SDG 550-163268-1), M-149-20210506-TB16, M-145-20210506-TB23 (both from SDG 550-163375-1), M-35-20210507-TB25, PC-59-20210507-TB26 (both from SDG 550-163444-1), M-115-20210511-TB24 (from SDG 550-163602-1), M-148A-20210513-TB22 (from SDG 550-163782-1), PC-142-20210526-TB27 (from SDG 550-164463-1), PC-31-20210527-TB30, PC-129-20210527-TB29 (both from SDG 550-164543-1), PC-144-20210528-TB28 (from SDG 550-164588-1), PC-97-20210714-TB31 (from SDG 550-167089-1), PC-157A-20210716-TB32 (from SDG 550-167297-1), PC-155A-20210719-TB33 (from SDG 550-167354-1), and PC-156B-20210723-TB34 (from SDG 550-167691-1) were identified as trip blanks. No contaminants were found with the following exceptions:

SDG	Blank ID	Collection Date	Analyte	Concentration	Associated Samples
550-162595-1	PC-137D-20210426-TB1	04/26/21	1,4-Dioxane	0.28 ug/L	PC-136-20210426 PC-137-20210426 PC-137D-20210426
550-162691-1	PC-130-20210427-TB2	04/27/21	1,4-Dioxane	0.46 ug/L	PC-130-20210427 PC-152-20210427 M-137-20210427 M-138-20210427 M-144-20210427 TR-7-20210427 TR-8-20210427 PC-67-20210427 PC-195-20210427 PC-64-20210427
550-162691-1	M-137-20210427-TB3	04/27/21	1,4-Dioxane	0.39 ug/L	PC-130-20210427 PC-152-20210427 M-137-20210427 M-138-20210427 M-144-20210427 TR-7-20210427 TR-8-20210427 PC-67-20210427 PC-195-20210427 PC-64-20210427

SDG	Blank ID	Collection Date	Analyte	Concentration	Associated Samples
550-162775-1	M-191-20210428-TB4	04/28/21	1,4-Dioxane	0.53 ug/L	M-191-20210428 M-13-20210428 M-12A-20210428 M-189-20210428 MW-K5-20210428 PC-98R-20210428 MC-65R2-20210428 MC-MW-37R2-20210428 TR-12-20210428 H-58R-20210428 PC-2-20210428 PC-191-20210428 PC-191-20210428-FD5 PC-53-20210428 PC-71-20210428 PC-72-20210428 H-56R-20210428 H-56R-20210428-FB5 MC-97-20210428 PC-188-20210428 PC-189-20210428 M-48A-20210428 M-48A-20210428-EB6 TR-11-20210428
550-162864-1	M-211-20210429-TB11	04/29/21	1,4-Dioxane	1.1 ug/L	M-156-20210429 M-152-20210429 M-44-20210429 M-44-20210429-FB6 M-192-20210429 M-190-20210429 M-193-20210429 M-139-20210429 M-52-20210429 PC-103-20210429 MC-50-20210429 M-264-20210429 M-263-20210429 M-263-20210429-EB7 M-161-20210429 M-5A-20210429 MC-51-20210429 MC-53-20210429 MC-53-20210429-FB7 PC-196-20210429 PC-197-20210429 PC-197-20210429-EB5 M-213-20210429 M-212-20210429 M-212-20210429-FD7 M-211-20210429 M-23-20210429 M-23-20210429-FD6 MC-93-20210429 MW-16(NERT)-20210429 M-126-20210429 M-69-20210429 M-6A-20210429 M-7B-20210429 TR-2-20210429 M-210-20210429 M-209-20210429 M-208-20210429 M-154-20210429 M-266-20210429 M-265-20210429

SDG	Blank ID	Collection Date	Analyte	Concentration	Associated Samples
550-162924-1	TR-3-20210430-TB10	04/30/21	1,4-Dioxane	2.1 ug/L	TR-1-20210430 M-159-20210430 M-160-20210430 M-160-20210430-FD12 M-134-20210430 M-136-20210430 M-141-20210430 M-77R-20210430 M-11-20210430-FB4 M-11-20210430 M-129-20210430 M-162D-20210430 M-163-20210430 M-163-20210430-EB8 M-162-20210430 M-65-20210430 M-161D-20210430 TR-3-20210430 M-72-20210430 M-66-20210430 M-66-20210430-FD8 M-22A-20210430 M-207-20210430 M-207-20210430-FB8 M-206-20210430 M-260-20210430 M-204-20210430 TR-4-20210430 M-125-20210430 M-261-20210430 M-262-20210430 M-57A-20210430 M-79-20210430 M-70-20210430 M-140-20210430 UFMW-01D-20210430
550-163037-1	UFMW-04D-20210503-TB13	05/03/21	1,4-Dioxane	0.48 ug/L	UFMW-04D-20210503 UFMW-05D-20210503 UFMW-06D-20210503
550-163037-1	DFW-03-20210503-TB14	05/03/21	1,4-Dioxane	0.41 ug/L	DFW-03-20210503 DFW-04-20210503 DFW-05-20210503
550-163185-1	M-33-20210504-TB17	05/04/21	1,4-Dioxane	0.28 ug/L	M-31A-20210504 M-31A-20210504-FD13 M-32-20210504 M-33-20210504

SDG	Blank ID	Collection Date	Analyte	Concentration	Associated Samples
550-163444-1	M-35-20210507-TB25	05/07/21	1,4-Dioxane	0.34 ug/L	M-68-20210507 M-68-20210507-EB10 M-220-20210507 M-67-20210507 M-147-20210507 M-35-20210507 M-75-20210507 PC-82-20210507 PC-82-20210507-EB17 PC-86-20210507 PC-91-20210507 PC-58-20210507 PC-56-20210507 PC-56-20210507-FB11 PC-60-20210507 H-28A-20210507 PC-59-20210507 PC-62-20210507 PC-90-20210507 PC-90-20210507-FB12
550-163444-1	PC-59-20210507-TB26	05/07/21	1,4-Dioxane	0.41 ug/L	M-68-20210507 M-68-20210507-EB10 M-220-20210507 M-67-20210507 M-147-20210507 M-35-20210507 M-75-20210507 PC-82-20210507 PC-82-20210507-EB17 PC-86-20210507 PC-91-20210507 PC-58-20210507 PC-56-20210507 PC-56-20210507-FB11 PC-60-20210507 H-28A-20210507 PC-59-20210507 PC-62-20210507 PC-90-20210507 PC-90-20210507-FB12
550-167297-1	PC-157A-20210716-TB32	07/16/21	1,4-Dioxane	0.55 ug/L	PC-157A-20210716 PC-157B-20210716
550-167354-1	PC-155A-20210719-TB33	07/19/21	1,4-Dioxane	0.41 ug/L	PC-155A-20210719 PC-155B-20210719
550-167691-1	PC-156B-20210723-TB34	07/23/21	1,4-Dioxane	0.31 ug/L	PC-156A-20210723 PC-156A-20210723-FB27 PC-156B-20210723

Samples M-48A-20210428-EB6 (from SDG 550-162775-1), M-263-20210429-EB7 (from SDG 550-162864-1), PC-197-20210429-EB5 (from SDG 550-162864-1),M-163-20210430-EB8 (from SDG 550-162924-1), UFMW-02D-20210503-EB9 (from SDG 550-163037-1), M-37-20210504-EB4 (from SDG 550-163185-1), M-165-20210505-EB13 (from SDG 550-163268-1), PC-79-20210506-EB11, M-135-20210506-EB12 (both from SDG 550-163375-1), M-68-20210507-EB10, PC-82-20210507-EB17 (both from SDG 550-163444-1), PC-126-20210527-EB16 (from SDG 550-164543-1), ARP-2A-

20210528-EB14, and PC-134A-20210528-EB15 (both from SDG 550-164588-1) were identified as equipment blanks. No contaminants were found with the following exceptions:

SDG	Blank ID	Collection Date	Analyte	Concentration	Associated Samples
550-163444-1	M-68-20210507-EB10	05/07/21	1,4-Dioxane	0.41 ug/L	M-68-20210507

Samples H-56R-20210428-FB5 (from SDG 550-162775-1), M-44-20210429-FB6 (from SDG 550-162864-1), MC-53-20210429-FB7 (from SDG 550-162864-1), M-11-20210430-FB4 (from SDG 550-162924-1), M-207-20210430-FB8 (from SDG 550-162924-1), M-118-20210503-FB10 (from SDG 550-163037-1), M-14A-20210505-FB9, M-92-20210505-FB13, PC-74-20210505-FB17 (all three from SDG 550-163268-1), PC-56-20210507-FB11, PC-90-20210507-FB12 (both from SDG 550-163444-1), HMW-14-20210527-FB16 (from SDG 550-164543-1), ARP-7-20210528-FB14, PC-143-20210528-FB15 (both from SDG 550-164588-1), and PC-156A-20210723-FB27 (from SDG 550-167691-1) were identified as a field blank. No contaminants were found with the following exceptions:

SDG	Blank ID	Collection Date	Analyte	Concentration	Associated Samples
550-162864-1	M-44-20210429-FB6	04/29/21	1,4-Dioxane	0.37 ug/L	M-44-20210429
550-163037-1	M-118-20210503-FB10	05/03/21	1,4-Dioxane	0.57 ug/L	M-118-20210503
550-163444-1	PC-56-20210507-FB11	05/07/21	1,4-Dioxane	0.34 ug/L	PC-56-20210507

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

SDG	Sample	Analyte	Reported Concentration	Modified Final Concentration
550-162595-1	PC-137D-20210426	1,4-Dioxane	0.42 ug/L	0.42J ug/L
550-162691-1	PC-130-20210427	1,4-Dioxane	0.88 ug/L	0.88J ug/L
550-162691-1	PC-64-20210427	1,4-Dioxane	0.36 ug/L	0.36J ug/L
550-162775-1	MW-K5-20210428	1,4-Dioxane	0.28 ug/L	0.28J ug/L
550-162775-1	PC-98R-20210428	1,4-Dioxane	0.35 ug/L	0.35J ug/L
550-162775-1	H-58R-20210428	1,4-Dioxane	0.61 ug/L	0.61J ug/L

SDG	Sample	Analyte	Reported Concentration	Modified Final Concentration
550-162775-1	PC-2-20210428	1,4-Dioxane	0.68 ug/L	0.68J ug/L
550-162775-1	PC-53-20210428	1,4-Dioxane	0.32 ug/L	0.32J ug/L
550-162775-1	PC-71-20210428	1,4-Dioxane	1.0 ug/L	1.0J ug/L
550-162775-1	H-56R-20210428	1,4-Dioxane	0.30 ug/L	0.30J ug/L
550-162775-1	PC-188-20210428	1,4-Dioxane	0.49 ug/L	0.49J ug/L
550-162864-1	M-44-20210429	1,4-Dioxane	1.2 ug/L	1.2J ug/L
550-162864-1	M-44-20210429-FB6	1,4-Dioxane	0.37 ug/L	0.37J ug/L
550-162864-1	M-192-20210429	1,4-Dioxane	0.30 ug/L	0.30J ug/L
550-162864-1	PC-103-20210429	1,4-Dioxane	0.54 ug/L	0.54J ug/L
550-162864-1	M-264-20210429	1,4-Dioxane	1.1 ug/L	1.1J ug/L
550-162864-1	M-263-20210429	1,4-Dioxane	1.2 ug/L	1.2J ug/L
550-162864-1	M-5A-20210429	1,4-Dioxane	1.2 ug/L	1.2J ug/L
550-162864-1	MC-53-20210429	1,4-Dioxane	2.1 ug/L	2.1J+ ug/L
550-162864-1	M-23-20210429	1,4-Dioxane	0.54 ug/L	0.54J ug/L
550-162864-1	M-23-20210429-FD6	1,4-Dioxane	0.35 ug/L	0.35J ug/L
550-162864-1	MC-93-20210429	1,4-Dioxane	1.1 ug/L	1.1J ug/L
550-162864-1	MW-16(NERT)-20210429	1,4-Dioxane	0.62 ug/L	0.62J ug/L
550-162864-1	M-126-20210429	1,4-Dioxane	0.61 ug/L	0.61J ug/L
550-162864-1	M-69-20210429	1,4-Dioxane	0.81 ug/L	0.81J ug/L
550-162864-1	M-210-20210429	1,4-Dioxane	0.73 ug/L	0.73J ug/L
550-162864-1	M-208-20210429	1,4-Dioxane	0.46 ug/L	0.46J ug/L
550-162864-1	M-266-20210429	1,4-Dioxane	0.28 ug/L	0.28J ug/L

SDG	Sample	Analyte	Reported Concentration	Modified Final Concentration
550-162864-1	M-265-20210429	1,4-Dioxane	0.41 ug/L	0.41J ug/L
550-162924-1	TR-1-20210430	1,4-Dioxane	1.1 ug/L	1.1J ug/L
550-162924-1	M-159-20210430	1,4-Dioxane	0.60 ug/L	0.60J ug/L
550-162924-1	M-160-20210430	1,4-Dioxane	0.41 ug/L	0.41J ug/L
550-162924-1	M-160-20210430-FD12	1,4-Dioxane	0.51 ug/L	0.51J ug/L
550-162924-1	M-134-20210430	1,4-Dioxane	0.47 ug/L	0.47J ug/L
550-162924-1	M-141-20210430	1,4-Dioxane	1.2 ug/L	1.2J ug/L
550-162924-1	M-11-20210430	1,4-Dioxane	0.80 ug/L	0.80J ug/L
550-162924-1	M-129-20210430	1,4-Dioxane	0.82 ug/L	0.82J ug/L
550-162924-1	M-162D-20210430	1,4-Dioxane	0.27 ug/L	0.27J ug/L
550-162924-1	M-162-20210430	1,4-Dioxane	1.2 ug/L	1.2J ug/L
550-162924-1	M-65-20210430	1,4-Dioxane	1.0 ug/L	1.0J ug/L
550-162924-1	TR-3-20210430	1,4-Dioxane	0.27 ug/L	0.27J ug/L
550-162924-1	M-72-20210430	1,4-Dioxane	0.71 ug/L	0.71J ug/L
550-162924-1	M-66-20210430	1,4-Dioxane	0.77 ug/L	0.77J ug/L
550-162924-1	M-66-20210430-FD8	1,4-Dioxane	0.69 ug/L	0.69J ug/L
550-162924-1	M-22A-20210430	1,4-Dioxane	0.55 ug/L	0.55J ug/L
550-162924-1	M-207-20210430	1,4-Dioxane	0.39 ug/L	0.39J ug/L
550-162924-1	M-206-20210430	1,4-Dioxane	0.63 ug/L	0.63J ug/L
550-162924-1	M-125-20210430	1,4-Dioxane	0.42 ug/L	0.42J ug/L
550-162924-1	M-261-20210430	1,4-Dioxane	0.78 ug/L	0.78J ug/L
550-162924-1	M-70-20210430	1,4-Dioxane	1.2 ug/L	1.2J ug/L

SDG	Sample	Analyte	Reported Concentration	Modified Final Concentration
550-162924-1	M-140-20210430	1,4-Dioxane	0.70 ug/L	0.70J ug/L
550-162924-1	UFMW-01D-20210430	1,4-Dioxane	0.96 ug/L	0.96J ug/L
550-163037-1	DFW-03-20210503	1,4-Dioxane	0.86 ug/L	0.86J ug/L
550-163037-1	DFW-04-20210503	1,4-Dioxane	0.44 ug/L	0.44J ug/L
550-163444-1	M-68-20210507	1,4-Dioxane	0.80 ug/L	0.80J ug/L
550-163444-1	M-68-20210507-EB10	1,4-Dioxane	0.41 ug/L	0.41J ug/L
550-163444-1	M-220-20210507	1,4-Dioxane	0.30 ug/L	0.30J ug/L
550-163444-1	M-67-20210507	1,4-Dioxane	0.71 ug/L	0.71J ug/L
550-163444-1	M-147-20210507	1,4-Dioxane	0.74 ug/L	0.74J ug/L
550-163444-1	M-35-20210507	1,4-Dioxane	0.39 ug/L	0.39J ug/L
550-163444-1	PC-82-20210507	1,4-Dioxane	0.52 ug/L	0.52J ug/L
550-163444-1	PC-86-20210507	1,4-Dioxane	0.50 ug/L	0.50J ug/L
550-163444-1	PC-91-20210507	1,4-Dioxane	0.64 ug/L	0.64J ug/L
550-163444-1	PC-58-20210507	1,4-Dioxane	0.50 ug/L	0.50J ug/L
550-163444-1	PC-56-20210507	1,4-Dioxane	0.29 ug/L	0.29J ug/L
550-163444-1	PC-56-20210507-FB11	1,4-Dioxane	0.34 ug/L	0.34J ug/L
550-163444-1	PC-60-20210507	1,4-Dioxane	0.51 ug/L	0.51J ug/L
550-163444-1	H-28A-20210507	1,4-Dioxane	1.1 ug/L	1.1J ug/L
550-163444-1	PC-59-20210507	1,4-Dioxane	0.59 ug/L	0.59J ug/L
550-163444-1	PC-62-20210507	1,4-Dioxane	0.53 ug/L	0.53J ug/L
550-163444-1	PC-90-20210507	1,4-Dioxane	0.41 ug/L	0.41J ug/L
550-167354-1	PC-155A-20210719	1,4-Dioxane	0.42 ug/L	0.42J ug/L

SDG	Sample	Analyte	Reported Concentration	Modified Final Concentration
550-167691-1	PC-156A-20210723	1,4-Dioxane	0.64 ug/L	0.64J ug/L
550-167691-1	PC-156B-20210723	1,4-Dioxane	1.1 ug/L	1.1J ug/L

V. Surrogates

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

VI. Matrix Spike/Matrix Spike Duplicates

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

VII. Laboratory Control Samples

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

SDG	LCS ID (Associated Samples)	Analyte	LCS %R (Limits)	LCSD %R (Limits)	Flag	A or P
550-162924-1	LCS/LCSD 280-535499/3,4 (M-260-20210430)	1,2,3-Trichloropropane	122 (72-120)	-	NA	-
550-162924-1	LCS/LCSD 280-535499/3,4 (M-162D-20210430 M-163-20210430 M-163-20210430-EB8 M-162-20210430 M-161D-20210430 TR-3-20210430 TR-3-20210430-TB10 M-207-20210430-FB8 M-204-20210430 TR-4-20210430 M-125-20210430)	1,2,3-Trichloropropane	122 (72-120)	-	NA	-

Relative percent differences (RPD) were within QC limits.

VIII. Field Duplicates

Samples PC-191-20210428 and PC-191-20210428-FD5 (both from SDG 550-162775-1), samples M-212-20210429 and M-212-20210429-FD7 (both from SDG 550-162864-1), samples M-23-20210429 and M-23-20210429-FD6 (both from SDG 550-162864-1), samples M-160-20210430 and M-160-20210430-FD12 (both from SDG 550-162924-1), samples M-66-20210430 and M-66-20210430-FD8 (both from SDG 550-162924-1),

samples TR-5-20210503 and TR-5-20210503-FD10 (both from SDG 550-163037-1), samples M-150-20210503 and M-150-20210503-FD9 (both from SDG 550-163037-1), samples M-121-20210504 and M-121-20210504-FD11 (both from SDG 550-163185-1), samples M-31A-20210504 and M-31A-20210504-FD13 (both from SDG 550-163185-1), samples MC-7-20210505 and MC-7-20210505-FD17 (both from SDG 550-163268-1), samples M-25-20210505 and M-25-20210505-FD15 (both from SDG 550-163268-1), samples PC-94-20210506 and PC-94-20210506-FD14 (both from SDG 550-163375-1), samples M-80-20210513 and M-80-20210513-FD4 (both from SDG 550-163782-1), and samples PC-158-20210527 and PC-158-20210527-FD16 (both from SDG 550-164543-1) were identified as field duplicates. No results were detected in any of the samples with the following exceptions:

		Concentration (ug/L)				
SDG	Analyte	M-212-20210429	M-212-20210429-FD7	RPD (Limits)	Flag	A or P
550-162864-1	1,2,3-Trichloropropane	0.019	0.024	23 (≤30)	-	-

		Concentration (ug/L)				
SDG	Analyte	M-23-20210429	M-23-20210429-FD6	RPD (Limits)	Flag	A or P
550-162864-1	1,2,3-Trichloropropane	0.54	0.35	43 (≤30)	NQ	-
	1,4-Dioxane	0.27	0.29	7 (≤30)	-	-

		Concentration (ug/L)				
SDG	Analyte	M-160-20210430	M-160-20210430-FD12	RPD (Limits)	Flag	A or P
550-162924-1	1,4-Dioxane	0.41	0.51	22 (≤30)	-	-
	1,2,3-Trichloropropane	0.013	0.016	21 (≤30)	-	-

		Concentration (ug/L)				
SDG	Analyte	M-66-20210430	M-66-20210430-FD8	RPD (Limits)	Flag	A or P
550-162924-1	1,4-Dioxane	0.77	0.69	11 (≤30)	-	-
	1,2,3-Trichloropropane	0.12	0.12	0 (≤30)	-	-

		Concentration (ug/L)				
SDG	Analyte	MC-7-20210505	MC-7-20210505-FD17	RPD (Limits)	Flag	A or P
550-163268-1	1,2,3-Trichloropropane	0.057	0.020U	200 (≤30)	NQ	-

SDG	Analyte	Concentration (ug/L)		RPD (Limits)	Flag	A or P
		M-25-20210505	M-25-20210505-FD15			
550-163268-1	1,4-Dioxane	2.2	2.3	4 (≤30)	-	-
	1,2,3-Trichloropropane	0.11	0.11	0 (≤30)	-	-

SDG	Analyte	Concentration (ug/L)		RPD (Limits)	Flag	A or P
		PC-94-20210506	PC-94-20210506-FD14			
550-163375-1	1,4-Dioxane	0.82	0.66	22 (≤30)	-	-
	1,2,3-Trichloropropane	0.0046	0.0043	7 (≤30)	-	-

SDG	Analyte	Concentration (ug/L)		RPD (Limits)	Flag	A or P
		M-80-20210513	M-80-20210513-FD4			
550-163782-1	1,4-Dioxane	0.50	0.58	15 (≤30)	-	-
	1,2,3-Trichloropropane	0.083	0.091	9 (≤30)	-	-

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

IX. Overall Assessment of Data

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

Due to headspace, twenty-four VOC SIM results were qualified as estimated in twelve samples.

Due to laboratory blank contamination, eighteen 1,4-dioxane results were qualified as estimated in eighteen samples.

Due to trip blank contamination, seventy-four 1,4-dioxane results were qualified as estimated in seventy-four samples.

Due to equipment blank contamination, one 1,4-dioxane result was qualified as estimated in one sample.

Due to field blank contamination, two 1,4-dioxane results were qualified as estimated in two samples.

NERT GWM Performance Sampling, January to July 2021
Volatiles (SIM) - Data Qualification Summary - SDGs 550-162595-1, 550-162691-1, 550-162775-1, 550-162864-1, 550-162924-1, 550-163037-1, 550-163185-1, 550-163268-1, 550-163375-1, 550-163444-1, 550-163495-1, 550-163602-1, 550-163662-1, 550-163678-1, 550-163782-1, 550-164463-1, 550-164543-1, 550-164588-1, 550-166351-1, 550-167089-1, 550-167297-1, 550-167354-1, 550-167691-1

SDG	Sample	Analyte	Flag	A or P	Reason (Code)
550-162775-1	PC-71-20210428-TB5	All analytes	UJ (all non-detects)	A	Sample receipt (headspace) (vh)
550-163185-1	M-121-20210504 M-121-20210504-FD11 M-32-20210504 M-33-20210504-TB17	All analytes	J- (all detects) UJ (all non-detects)	A	Sample receipt (headspace) (vh)
550-163375-1	M-145-20210506 M-268-20210506 M-267-20210506 M-135-20210506-EB12	All analytes	J- (all detects) UJ (all non-detects)	A	Sample receipt (headspace) (vh)
550-163444-1	PC-56-20210507	All analytes	J- (all detects) UJ (all non-detects)	A	Sample receipt (headspace) (vh)
550-163782-1	M-186D-20210513	All analytes	UJ (all non-detects)	A	Sample receipt (headspace) (vh)
550-164543-1	PC-129-20210527-TB29	All analytes	UJ (all non-detects)	A	Sample receipt (headspace) (vh)

NERT GWM Performance Sampling, January to July 2021
Volatiles (SIM) - Laboratory Blank Data Qualification Summary - SDGs 550-162595-1, 550-162691-1, 550-162775-1, 550-162864-1, 550-162924-1, 550-163037-1, 550-163185-1, 550-163268-1, 550-163375-1, 550-163444-1, 550-163495-1, 550-163602-1, 550-163662-1, 550-163678-1, 550-163782-1, 550-164463-1, 550-164543-1, 550-164588-1, 550-166351-1, 550-167089-1, 550-167297-1, 550-167354-1, 550-167691-1

SDG	Sample	Analyte	Modified Final Concentration	A or P	Code
550-163037-1	UFMW-04D-20210503-TB13	1,4-Dioxane	0.48J ug/L	A	bl, bb
550-163037-1	M-38-20210503	1,4-Dioxane	0.75J ug/L	A	bl, bb
550-163037-1	UFMW-02D-20210503	1,4-Dioxane	0.93J ug/L	A	bl, bb
550-163444-1	M-68-20210507	1,4-Dioxane	0.80J ug/L	A	bl, bb

SDG	Sample	Analyte	Modified Final Concentration	A or P	Code
550-163444-1	M-68-20210507-EB10	1,4-Dioxane	0.41J ug/L	A	bl, bb
550-163444-1	M-220-20210507	1,4-Dioxane	0.30J ug/L	A	bl, bb
550-163444-1	M-67-20210507	1,4-Dioxane	0.71J ug/L	A	bl, bb
550-163444-1	M-147-20210507	1,4-Dioxane	0.74J ug/L	A	bl, bb
550-163444-1	M-35-20210507	1,4-Dioxane	0.39J ug/L	A	bl, bb
550-163444-1	M-35-20210507-TB25	1,4-Dioxane	0.34J ug/L	A	bl, bb
550-163444-1	PC-82-20210507	1,4-Dioxane	0.52J ug/L	A	bl, bb
550-163444-1	PC-86-20210507	1,4-Dioxane	0.50J ug/L	A	bl, bb
550-163444-1	PC-91-20210507	1,4-Dioxane	0.64J ug/L	A	bl, bb
550-163444-1	PC-58-20210507	1,4-Dioxane	0.50J ug/L	A	bl, bb
550-163444-1	PC-56-20210507-FB11	1,4-Dioxane	0.34J ug/L	A	bl, bb
550-163444-1	PC-60-20210507	1,4-Dioxane	0.51J ug/L	A	bl, bb
550-167691-1	PC-156A-20210723	1,4-Dioxane	0.64J ug/L	A	bl, bb
550-167691-1	PC-156B-20210723-TB34	1,4-Dioxane	0.31J ug/L	A	bl, bb

NERT GWM Performance Sampling, January to July 2021
Volatiles (SIM) - Field Blank Data Qualification Summary - SDGs 550-162595-1, 550-162691-1, 550-162775-1, 550-162864-1, 550-162924-1, 550-163037-1, 550-163185-1, 550-163268-1, 550-163375-1, 550-163444-1, 550-163495-1, 550-163602-1, 550-163662-1, 550-163678-1, 550-163782-1, 550-164463-1, 550-164543-1, 550-164588-1, 550-166351-1, 550-167089-1, 550-167297-1, 550-167354-1, 550-167691-1

SDG	Sample	Analyte	Modified Final Concentration	A or P	Code
550-162595-1	PC-137D-20210426	1,4-Dioxane	0.42J ug/L	A	bt,bb
550-162691-1	PC-130-20210427	1,4-Dioxane	0.88J ug/L	A	bt,bb
550-162691-1	PC-64-20210427	1,4-Dioxane	0.36J ug/L	A	bt,bb

SDG	Sample	Analyte	Modified Final Concentration	A or P	Code
550-162775-1	MW-K5-20210428	1,4-Dioxane	0.28J ug/L	A	bt,bb
550-162775-1	PC-98R-20210428	1,4-Dioxane	0.35J ug/L	A	bt,bb
550-162775-1	H-58R-20210428	1,4-Dioxane	0.61J ug/L	A	bt,bb
550-162775-1	PC-2-20210428	1,4-Dioxane	0.68J ug/L	A	bt,bb
550-162775-1	PC-53-20210428	1,4-Dioxane	0.32J ug/L	A	bt,bb
550-162775-1	PC-71-20210428	1,4-Dioxane	1.0J ug/L	A	bt,bb
550-162775-1	H-56R-20210428	1,4-Dioxane	0.30J ug/L	A	bt,bb
550-162775-1	PC-188-20210428	1,4-Dioxane	0.49J ug/L	A	bt,bb
550-162864-1	M-44-20210429	1,4-Dioxane	1.2J ug/L	A	bt,bf,bb
550-162864-1	M-44-20210429-FB6	1,4-Dioxane	0.37J ug/L	A	bt,bb
550-162864-1	M-192-20210429	1,4-Dioxane	0.30J ug/L	A	bt,bb
550-162864-1	PC-103-20210429	1,4-Dioxane	0.54J ug/L	A	bt,bb
550-162864-1	M-264-20210429	1,4-Dioxane	1.1J ug/L	A	bt,bb
550-162864-1	M-263-20210429	1,4-Dioxane	1.2J ug/L	A	bt,bb
550-162864-1	M-5A-20210429	1,4-Dioxane	1.2J ug/L	A	bt,bb
550-162864-1	MC-53-20210429	1,4-Dioxane	2.1J+ ug/L	A	bt,bb
550-162864-1	M-23-20210429	1,4-Dioxane	0.54J ug/L	A	bt,bb
550-162864-1	M-23-20210429-FD6	1,4-Dioxane	0.35J ug/L	A	bt,bb
550-162864-1	MC-93-20210429	1,4-Dioxane	1.1J ug/L	A	bt,bb
550-162864-1	MW-16(NERT)-20210429	1,4-Dioxane	0.62J ug/L	A	bt,bb
550-162864-1	M-126-20210429	1,4-Dioxane	0.61J ug/L	A	bt,bb
550-162864-1	M-69-20210429	1,4-Dioxane	0.81J ug/L	A	bt,bb

SDG	Sample	Analyte	Modified Final Concentration	A or P	Code
550-162864-1	M-210-20210429	1,4-Dioxane	0.73J ug/L	A	bt,bb
550-162864-1	M-208-20210429	1,4-Dioxane	0.46J ug/L	A	bt,bb
550-162864-1	M-266-20210429	1,4-Dioxane	0.28J ug/L	A	bt,bb
550-162864-1	M-265-20210429	1,4-Dioxane	0.41J ug/L	A	bt,bb
550-162924-1	TR-1-20210430	1,4-Dioxane	1.1J ug/L	A	bt,ba
550-162924-1	M-159-20210430	1,4-Dioxane	0.60J ug/L	A	bt,ba
550-162924-1	M-160-20210430	1,4-Dioxane	0.41J ug/L	A	bt,ba
550-162924-1	M-160-20210430-FD12	1,4-Dioxane	0.51J ug/L	A	bt,ba
550-162924-1	M-134-20210430	1,4-Dioxane	0.47J ug/L	A	bt,ba
550-162924-1	M-141-20210430	1,4-Dioxane	1.2J ug/L	A	bt,ba
550-162924-1	M-11-20210430	1,4-Dioxane	0.80J ug/L	A	bt,ba
550-162924-1	M-129-20210430	1,4-Dioxane	0.82J ug/L	A	bt,ba
550-162924-1	M-162D-20210430	1,4-Dioxane	0.27J ug/L	A	bt,ba
550-162924-1	M-162-20210430	1,4-Dioxane	1.2J ug/L	A	bt,ba
550-162924-1	M-65-20210430	1,4-Dioxane	1.0J ug/L	A	bt,ba
550-162924-1	TR-3-20210430	1,4-Dioxane	0.27J ug/L	A	bt,ba
550-162924-1	M-72-20210430	1,4-Dioxane	0.71J ug/L	A	bt,ba
550-162924-1	M-66-20210430	1,4-Dioxane	0.77J ug/L	A	bt,ba
550-162924-1	M-66-20210430-FD8	1,4-Dioxane	0.69J ug/L	A	bt,ba
550-162924-1	M-22A-20210430	1,4-Dioxane	0.55J ug/L	A	bt,ba
550-162924-1	M-207-20210430	1,4-Dioxane	0.39J ug/L	A	bt,ba
550-162924-1	M-206-20210430	1,4-Dioxane	0.63J ug/L	A	bt,ba

SDG	Sample	Analyte	Modified Final Concentration	A or P	Code
550-162924-1	M-125-20210430	1,4-Dioxane	0.42J ug/L	A	bt,ba
550-162924-1	M-261-20210430	1,4-Dioxane	0.78J ug/L	A	bt,ba
550-162924-1	M-70-20210430	1,4-Dioxane	1.2J ug/L	A	bt,ba
550-162924-1	M-140-20210430	1,4-Dioxane	0.70J ug/L	A	bt,ba
550-162924-1	UFMW-01D-20210430	1,4-Dioxane	0.96J ug/L	A	bt,ba
550-163037-1	DFW-03-20210503	1,4-Dioxane	0.86J ug/L	A	bt, bb
550-163037-1	DFW-04-20210503	1,4-Dioxane	0.44J ug/L	A	bt, bb
550-163444-1	M-68-20210507	1,4-Dioxane	0.80J ug/L	A	bt,be,bb
550-163444-1	M-68-20210507-EB10	1,4-Dioxane	0.41J ug/L	A	bt, bb
550-163444-1	M-220-20210507	1,4-Dioxane	0.30J ug/L	A	bt, bb
550-163444-1	M-67-20210507	1,4-Dioxane	0.71J ug/L	A	bt, bb
550-163444-1	M-147-20210507	1,4-Dioxane	0.74J ug/L	A	bt, bb
550-163444-1	M-35-20210507	1,4-Dioxane	0.39J ug/L	A	bt, bb
550-163444-1	PC-82-20210507	1,4-Dioxane	0.52J ug/L	A	bt, bb
550-163444-1	PC-86-20210507	1,4-Dioxane	0.50J ug/L	A	bt, bb
550-163444-1	PC-91-20210507	1,4-Dioxane	0.64J ug/L	A	bt, bb
550-163444-1	PC-58-20210507	1,4-Dioxane	0.50J ug/L	A	bt, bb
550-163444-1	PC-56-20210507	1,4-Dioxane	0.29J ug/L	A	bt,bf,bb
550-163444-1	PC-56-20210507-FB11	1,4-Dioxane	0.34J ug/L	A	bt, bb
550-163444-1	PC-60-20210507	1,4-Dioxane	0.51J ug/L	A	bt, bb
550-163444-1	H-28A-20210507	1,4-Dioxane	1.1J ug/L	A	bt, bb
550-163444-1	PC-59-20210507	1,4-Dioxane	0.59J ug/L	A	bt, bb

SDG	Sample	Analyte	Modified Final Concentration	A or P	Code
550-163444-1	PC-62-20210507	1,4-Dioxane	0.53J ug/L	A	bt, bb
550-163444-1	PC-90-20210507	1,4-Dioxane	0.41J ug/L	A	bt, bb
550-167354-1	PC-155A-20210719	1,4-Dioxane	0.42J ug/L	A	bt, bb
550-167691-1	PC-156A-20210723	1,4-Dioxane	0.64J ug/L	A	bt, bb
550-167691-1	PC-156B-20210723	1,4-Dioxane	1.1J ug/L	A	bt, bb

ATTACHMENT C

Metals Data Validation Report

Arsenic, Boron, Chromium, Iron, Manganese, and Selenium by Environmental Protection Agency (EPA) Method 200.7

I. Sample Receipt and Technical Holding Times

All samples were received in good condition.

All technical holding time requirements were met.

II. Laboratory Blanks

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

SDG	Blank ID	Analyte	Maximum Concentration	Associated Samples
550-156429-1	PB (prep blank)	Chromium	0.00295 mg/L	All samples in SDG 550-156429-1
550-156430-1	PB (prep blank)	Chromium	0.00295 mg/L	All samples in SDG 550-156430-1
550-158364-1	PB (prep blank)	Chromium	0.0450 mg/L	I-Z-20210211 I-I-20210211 I-V-20210211
550-158700-1	PB (prep blank)	Chromium	0.00113 mg/L	M-12A-20210217 M-12A-20210217-FB4 M-11-20210217 M-11-20210217-EB4 M-80-20210217
550-158807-1	PB (prep blank)	Iron Manganese Selenium	0.137 mg/L 0.000640 mg/L 0.00303 mg/L	M-10-20210218
550-159413-1	PB (prep blank)	Chromium	0.00196 mg/L	ART-1A-20210302 ART-2/2A-20210302 ART-3A-20210302 ART-4-20210302 ART-7B-20210302 ART-8A-20210302 ART-9-20210302 PC-150-20210302 ART-8A-20210302-FD ART-9-20210302-EB
550-161082-1	PB (prep blank)	Chromium	0.00147 mg/L	All samples in SDG 550-161082-1
550-162864-1	PB (prep blank)	Boron Manganese Sodium	0.00497 mg/L 0.00441 mg/L 0.119 mg/L	M-5A-20210429

SDG	Blank ID	Analyte	Maximum Concentration	Associated Samples
550-162864-1	PB (prep blank)	Boron Chromium Manganese	0.00426 mg/L 0.00409 mg/L 0.00215 mg/L	M-6A-20210429 M-7B-20210429
550-162924-1	PB (prep blank)	Chromium	0.00248 mg/L	TR-1-20210430 M-159-20210430 M-160-20210430 M-160-20210430-FD12 M-134-20210430 M-136-20210430 M-141-20210430 M-77R-20210430 M-11-20210430-FB4 M-11-20210430 M-129-20210430 M-162D-20210430 M-163-20210430 M-163-20210430-EB8 M-162-20210430 M-65-20210430 M-161D-20210430 TR-3-20210430 M-72-20210430 M-66-20210430
550-163444-1	PB (prep blank)	Sodium	0.217 mg/L	H-28A-20210507
550-163662-1	PB (prep blank)	Manganese Selenium	0.000620 mg/L 0.00448 mg/L	M-10-20210512

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

SDG	Sample	Analyte	Reported Concentration	Modified Final Concentration
550-158700-1	M-12A-20210217-FB4	Chromium	0.0056 mg/L	0.0056J mg/L
550-158700-1	M-11-20210217-EB4	Chromium	0.0023 mg/L	0.0023J mg/L
550-158807-1	M-10-20210218	Selenium	0.0074 mg/L	0.0074J mg/L
550-162864-1	M-7B-20210429	Manganese	0.0021 mg/L	0.0021J mg/L
550-162924-1	M-161D-20210430	Chromium	0.0087 mg/L	0.0087J mg/L
550-163662-1	M-10-20210512	Selenium	0.0066 mg/L	0.0066J mg/L

III. Field Blanks

Samples I-L 20210112-EB (from SDG 550-156196-1), PC-117 20210113-EB (from SDG 550-156311-1), ART-3A 20210113-EB (from SDG 550-156313-1), E2-4 20210118-EB (from SDG 550-156604-1), PC-119-20210203-EB (from SDG 550-157792-1), ART-7B-20210203-EB (from SDG 550-157793-1), I-N 20210209-EB (from SDG 550-158182-1), E1-1-20210211-EB (from SDG 550-158365-1), M-11-20210217-EB4 (from SDG 550-158700-1), PC-121-20210302-EB (from SDG 550-159412-1), ART-9-20210302-EB (from SDG 550-159413-1), E1-3 20210308-EB (from SDG 550-159757-1), I-P 20210310-EB (from SDG 550-159917-1), I-R-20210401-EB (from SDG 550-161080-1), E2-2-20210405-EB (from SDG 550-161229-1), ART-1A-20210406-EB (from SDG 550-161332-1), PC-99R2/R3-20210406-EB (from SDG 550-161333-1), LVWPS-MW102B-20210426-EB18 (from SDG 550-162595-1), ES-25A-20210426-EB20 (from SDG 550-162595-1), MW-20-20210428-EB19 (from SDG 550-162775-1), M-48A-20210428-EB6 (from SDG 550-162775-1), M-263-20210429-EB7 (from SDG 550-162864-1), PC-197-20210429-EB-5 (from SDG 550-162864-1), M-163-20210430-EB8 (from SDG 550-162924-1), UFMW-02D-20210503-EB9 (from SDG 550-163037-1), M-37-20210504-EB4 (from SDG 550-163185-1), M-165-20210505-EB13 (from SDG 550-163268-1), PC-79-20210506-EB11, M-135-20210506-EB12 (both from SDG 550-163375-1), M-68-20210507-EB10 (from SDG 550-163444-1), E2-4-20210510-EB (from SDG 550-163494-1), ART-3A-20210512-EB (from SDG 550-163666-1), PC-116R-20210512-EB (from SDG 550-163667-1), I-T-20210513-EB (from SDG 550-163780-1), PC-126-20210527-EB16 (from SDG 550-164543-1), ARP-2A-20210528-EB14, PC-134A-20210528-EB15 (both from SDG 550-164588-1), ART-7B-20210609-EB (from SDG 550-165167-1), PC-118-20210609-EB (from SDG 550-165171-1), E1-1-20210610-EB (from SDG 550-165254-1), and I-V-20210615-EB (from SDG 550-165499-1) were identified as equipment blanks. No contaminants were found with the following exceptions:

SDG	Blank ID	Collection Date	Analyte	Concentration	Associated Samples
550-156196-1	I-L 20210112-EB	01/12/21	Chromium	0.0041 mg/L	I-L 20210112
550-158182-1	I-N 20210209-EB	02/09/21	Chromium	0.0044 mg/L	I-N 20210209
550-158700-1	M-11-20210217-EB4	02/17/21	Chromium	0.0023 mg/L	M-11-20210217
550-159412-1	PC-121-20210302-EB	03/02/21	Chromium	0.0015 mg/L	PC-121-20210302
550-159917-1	I-P 20210310-EB	03/10/21	Chromium	0.025 mg/L	I-P 20210310
550-163780-1	I-T-20210513-EB	05/13/21	Chromium	0.011 mg/L	I-T-20210513
550-164543-1	PC-126-20210527-EB16	05/27/21	Chromium	0.0013 mg/L	PC-126-20210527
550-165499-1	I-V-20210615-EB	06/15/21	Chromium	0.0020 mg/L	I-V-20210615

Sample M-12A-20210217-FB4 (from SDG 550-158700-1), ES-52-20210426-FB20 (from SDG 550-162595-1), LVWPS-MW102A-20210427-FB19 (from SDG 550-162691-1), H-56R-20210428-FB5 (from SDG 550-162775-1), M-44-20210429-FB6, MC-53-20210429-EB7 (both from SDG 550-162864-1), M-11-20210430-FB4, M-207-20210430-FB8 (both from SDG 550-162924-1), M-118-20210503-FB10, NERT3.58N1-20210503-FB19 (both from SDG 550-163037-1), M-14A-20210505-FB9 and M-92-20210505-FB13 (both from SDG 550-163268-1), PC-56-20210507-FB11 and PC-90-20210507-FB12 (both from SDG 550-163444-1), ARP-7-20210528-FB14 and PC-143-20210528-FB15 (both from SDG 550-164588-1), NERT5.49S1-20210722-FB26 (from SDG 550-167638-1), and PC-156A-20210723-FB27 (from SDG 550-167691-1) were identified as a field blank. No contaminants were found with the following exceptions:

SDG	Blank ID	Collection Date	Analyte	Concentration	Associated Samples
550-158700-1	M-12A-20210217-FB4	02/17/21	Chromium	0.0056 mg/L	M-12A-20210217
550-164588-1	ARP-7-20210528-FB14	05/28/21	Chromium	0.0023 mg/L	ARP-7-20210528

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.

IV. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) sample analysis was performed on associated project samples. For M-213-20210429MS/MSD (from SDG 550-162864-1), 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. Relative percent differences (RPD) were within QC limits.

V. Duplicate Sample Analysis

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

VI. Serial Dilution

Serial dilution was not performed for these SDGs.

VII. Laboratory Control Samples

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

VIII. Field Duplicates

Samples PC-116R 20210113 and PC-116R 20210113-FD (both from SDG 550-156311-1), samples ART-2/2A 20210113 and ART-2/2A 20210113-FD (both from SDG 550-156313-1), samples I-K 20210114 and I-K 20210114-FD (both from SDG 550-156429-1), samples E2-3 20210118 and E2-3 20210118-FD (both from SDG 550-156604-1), samples PC-118-20210203 and PC-118-20210203-FD (both from SDG 550-157792-1), samples ART-4-20210203 and ART-4-20210203-FD (both from SDG 550-157793-1), samples I-M 20210209 and I-M 20210209-FD (both from SDG 550-158182-1), samples E2-5-20210211 and E2-5-20210211-FD (both from SDG 550-158365-1), samples M-38-20210218 and M-38-20210218-FD4 (both from SDG 550-158806-1), samples PC-120-20210302 and PC-120-20210302-FD (both from SDG 550-159412-1), samples ART-8A-20210302 and ART-8A-20210302-FD (both from SDG 550-159413-1), samples E1-2 20210308 and E1-2 20210308-FD (both from SDG 550-159757-1), samples I-O 20210310 and I-O 20210310-FD (both from SDG 550-159917-1), samples I-Q-20210401 and I-Q-20210401-FD (both from SDG 550-161082-1), samples E2-1-20210405 and E2-1-20210405-FD (both from SDG 550-161229-1), samples PC-150-20210406 and PC-150-20210406-FD (both from SDG 550-161332-1), samples PC-133-20210406 and PC-133-20210406-FD (both from SDG 550-161333-1), samples LVWPS-MW224B-20210426 and LVWPS-MW224B-20210426-FD18 (both from SDG 550-162595-1), samples ES-47-20210426 and ES-47-20210426-FD20 (both from SDG 550-162595-1), samples LVWPS-MW105-20210426 and LVWPS-MW105-20210426-FD19 (both from SDG 550-162595-1), samples PC-191-20210428 and PC-191-20210428-FD5 (both from SDG 550-162775-1), samples M-212-20210429 and M-212-20210429-FD7 (both from SDG 550-162864-1), samples M-23-20210429 and M-23-20210429-FD6 (both from SDG 550-162864-1), samples M-160-20210430 and M-160-20210430-FD12 (both from SDG 550-162924-1), samples M-66-20210430 and M-66-20210430-FD8 (both from SDG 550-162924-1), samples I-U-20210608 and I-U-20210608-FD (both from SDG 550-165089-1), samples ART-4-20210609 and ART-4-20210609-FD (both from SDG 550-165167-1), samples PC-117-20210609 and PC-117-20210609-FD (both from SDG 550-165171-1), samples E2-5-20210610 and E2-5-20210610-FD (both from SDG 550-165254-1), samples TR-5-20210503 and TR-5-20210503-FD10 (both from SDG 550-163037-1), samples M-150-20210503 and M-150-20210503-FD9 (both from SDG 550-163037-1), samples M-121-20210504 and M-121-20210504-FD11 (both from SDG 550-163185-1), samples M-31A-20210504 and M-31A-20210504-FD13 (both from SDG 550-163185-1), samples M-25-20210505 and M-25-20210505-FD15 (both from SDG 550-163268-1), samples PC-94-20210506 and PC-94-20210506-FD14 (both from SDG 550-163375-1), samples E2-3-20210510 and E2-3-20210510-FD (both from SDG 550-163494-1), samples I-S-20210511 and I-S-20210511-FD (both from SDG 550-163600-1), samples ART-2/2A-20210512 and ART-2/2A-20210512-FD (both from SDG 550-163666-1), samples PC-115R-20210512 and PC-115R-20210512-FD (both from SDG 550-163667-1), samples M-80-20210513 and M-80-20210513-FD4 (both from SDG 550-163782-1), and samples PC-158-20210527 and PC-158-20210527-FD16 (both from SDG 550-164543-1) were identified as field duplicates. No results were detected in any of the samples with the following exceptions:

SDG	Analyte	Concentration (mg/L)		RPD (Limits)	Flag	A or P
		PC-116R 20210113	PC-116R 20210113-FD			
550-156311-1	Chromium	0.0015	0.0011	31 (≤30)	NQ	-

SDG	Analyte	Concentration (mg/L)		RPD (Limits)	Flag	A or P
		I-K 20210114	I-K 20210114-FD			
550-156429-1	Chromium	2.5	2.4	4 (≤30)	-	-

SDG	Analyte	Concentration (mg/L)		RPD (Limits)	Flag	A or P
		E2-3 20210118	E2-3 20210118-FD			
550-156604-1	Chromium	0.081	0.083	2 (≤30)	-	-

SDG	Analyte	Concentration (mg/L)		RPD (Limits)	Flag	A or P
		ART-4-20210203	ART-4-20210203-FD			
550-157793-1	Chromium	0.15	0.15	0 (≤30)	-	-

SDG	Analyte	Concentration (mg/L)		RPD (Limits)	Flag	A or P
		I-M 20210209	I-M 20210209-FD			
550-158182-1	Chromium	5.6	5.5	2 (≤30)	-	-

SDG	Analyte	Concentration (mg/L)		RPD (Limits)	Flag	A or P
		E2-5-20210211	E2-5-20210211-FD			
550-158365-1	Chromium	0.18	0.18	0 (≤30)	-	-

SDG	Analyte	Concentration (mg/L)		RPD (Limits)	Flag	A or P
		M-38-20210218	M-38-20210218-FD4			
550-158806-1	Chromium	11	11	0 (≤30)	-	-

SDG	Analyte	Concentration (mg/L)		RPD (Limits)	Flag	A or P
		PC-120-20210302	PC-120-20210302-FD			
550-159412-1	Chromium	0.010U	0.0012	200 (≤30)	NQ	-

SDG	Analyte	Concentration (mg/L)		RPD (Limits)	Flag	A or P
		ART-8A-20210302	ART-8A-20210302-FD			
550-159413-1	Chromium	0.079	0.081	3 (≤30)	-	-

SDG	Analyte	Concentration (mg/L)		RPD (Limits)	Flag	A or P
		E1-2 20210308	E1-2 20210308-FD			
550-159757-1	Chromium	0.42	0.43	2 (≤30)	-	-

SDG	Analyte	Concentration (mg/L)		RPD (Limits)	Flag	A or P
		I-O 20210310	I-O 20210310-FD			
550-159917-1	Chromium	11	11	0 (≤30)	-	-

SDG	Analyte	Concentration (mg/L)		RPD (Limits)	Flag	A or P
		I-Q-20210401	I-Q-20210401-FD			
550-161082-1	Chromium	14	14	0 (≤30)	-	-

SDG	Analyte	Concentration (mg/L)		RPD (Limits)	Flag	A or P
		E2-1-20210405	E2-1-20210405-FD			
550-161229-1	Chromium	0.035	0.041	16 (≤30)	-	-

SDG	Analyte	Concentration (mg/L)		RPD (Limits)	Flag	A or P
		PC-150-20210406	PC-150-20210406-FD			
550-161332-1	Chromium	0.046	0.040	14 (≤30)	-	-

SDG	Analyte	Concentration (mg/L)		RPD (Limits)	Flag	A or P
		LVWPS-MW224B-20210426	LVWPS-MW224B-20210426-FD18			
550-162595-1	Chromium	0.0021	0.00092	78 (≤30)	NQ	-

SDG	Analyte	Concentration (mg/L)		RPD (Limits)	Flag	A or P
		ES-47-20210426	ES-47-20210426-FD20			
550-162595-1	Chromium	0.0091	0.0091	0 (≤30)	-	-

SDG	Analyte	Concentration (mg/L)		RPD (Limits)	Flag	A or P
		LVWPS-MW105-20210426	LVWPS-MW105-20210426-FD19			
550-162595-1	Chromium	0.046	0.039	16 (≤30)	-	-

SDG	Analyte	Concentration (mg/L)		RPD (Limits)	Flag	A or P
		M-212-20210429	M-212-20210429-FD7			
550-162864-1	Chromium	0.38	0.40	5 (≤30)	-	-

SDG	Analyte	Concentration (mg/L)		RPD (Limits)	Flag	A or P
		M-23-20210429	M-23-20210429-FD6			
550-162864-1	Chromium	0.17	0.16	6 (≤30)	-	-

SDG	Analyte	Concentration (mg/L)		RPD (Limits)	Flag	A or P
		M-160-20210430	M-160-20210430-FD12			
550-162924-1	Chromium	0.027	0.026	4 (≤30)	-	-

SDG	Analyte	Concentration (mg/L)		RPD (Limits)	Flag	A or P
		M-66-20210430	M-66-20210430-FD8			
550-162924-1	Chromium	12	14	15 (≤30)	-	-

SDG	Analyte	Concentration (mg/L)		RPD (Limits)	Flag	A or P
		I-U-20210608	I-U-20210608-FD			
550-165089-1	Chromium	15	15	0 (≤30)	-	-

SDG	Analyte	Concentration (mg/L)		RPD (Limits)	Flag	A or P
		ART-4-20210609	ART-4-20210609-FD			
550-165167-1	Chromium	0.16	0.16	0 (≤30)	-	-

SDG	Analyte	Concentration (mg/L)		RPD (Limits)	Flag	A or P
		PC-117-20210609	PC-117-20210609-FD			
550-165171-1	Chromium	0.0023	0.0023	0 (≤30)	-	-

SDG	Analyte	Concentration (mg/L)		RPD (Limits)	Flag	A or P
		E2-5-20210610	E2-5-20210610-FD			
550-165254-1	Chromium	0.21	0.22	5 (≤30)	-	-

SDG	Analyte	Concentration (mg/L)		RPD (Limits)	Flag	A or P
		TR-5-20210503	TR-5-20210503-FD10			
550-163037-1	Chromium	0.063	0.066	5 (≤30)	-	-

SDG	Analyte	Concentration (mg/L)		RPD (Limits)	Flag	A or P
		M-150-20210503	M-150-20210503-FD9			
550-163037-1	Chromium	0.033	0.032	3 (≤30)	-	-

SDG	Analyte	Concentration (mg/L)		RPD (Limits)	Flag	A or P
		M-121-20210504	M-121-20210504-FD11			
550-163185-1	Chromium	0.034	0.036	6 (≤30)	-	-

SDG	Analyte	Concentration (mg/L)		RPD (Limits)	Flag	A or P
		M-31A-20210504	M-31A-20210504-FD13			
550-163185-1	Chromium	0.11	0.039	95 (≤30)	J (all detects)	A

SDG	Analyte	Concentration (mg/L)		RPD (Limits)	Flag	A or P
		M-25-20210505	M-25-20210505-FD15			
550-163268-1	Chromium	4.4	4.6	4 (≤30)	-	-

SDG	Analyte	Concentration (mg/L)		RPD (Limits)	Flag	A or P
		E2-3-20210510	E2-3-20210510-FD			
550-163494-1	Chromium	0.066	0.066	0 (≤30)	-	-

SDG	Analyte	Concentration (mg/L)		RPD (Limits)	Flag	A or P
		I-S-20210511	I-S-20210511-FD			
550-163600-1	Chromium	1.7	1.7	0 (≤30)	-	-

SDG	Analyte	Concentration (mg/L)		RPD (Limits)	Flag	A or P
		M-80-20210513	M-80-20210513-FD4			
550-163782-1	Chromium	3.9	3.9	0 (≤30)	-	-

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

IX. Target Analyte Quantitation

Raw data were not reviewed for Stage 2A validation.

X. Overall Assessment of Data

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

Due to field duplicates RPD, two chromium results were qualified as estimated in two samples.

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

NERT GWM Performance Sampling, January to July 2021
Metals - Data Qualification Summary - SDGs 550-156195-1, 550-156196-1, 550-156311-1, 550-156313-1, 550-156429-1, 550-156430-1, 550-156604-1, 550-156606-1, 550-157792-1, 550-157793-1, 550-158070-1, 550-158182-1, 550-158183-1, 550-158364-1, 550-158365-1, 550-158700-1, 550-158806-1, 550-158807-1, 550-161080-1, 550-161081-1, 550-161082-1, 550-161229-1, 550-161332-1, 550-161333-1, 550-161606-1, 550-162595-1, 550-162691-1, 550-162775-1, 550-162864-1, 550-162924-1550-163037-1, 550-163185-1, 550-163268-1, 550-163375-1, 550-163444-1, 550-163494-1, 550-163495-1, 550-163599-1, 550-163600-1, 550-163602-1, 550-163662-1, 550-163666-1, 550-163667-1, 550-163678-1, 550-163776-1, 550-163780-1, 550-163782-1, 550-163906-1, 550-164463-1, 550-164543-1, 550-164588-1, 550-164832-1, 550-165089-1, 550-165090-1, 550-165167-1, 550-165171-1, 550-165254-1, 550-165499-1, 550-166351-1, 550-167089-1, 550-167224-1, 550-167297-1, 550-167354-1, 550-167638-1, 550-167691-1

SDG	Sample	Analyte	Flag	A or P	Reason (Code)
550-163185-1	M-31A-20210504 M-31A-20210504-FD13	Chromium	J (all detects)	A	Field duplicates (RPD) (fd)

NERT GWM Performance Sampling, January to July 2021
Metals - Laboratory Blank Data Summary - SDGs 550-156195-1, 550-156196-1, 550-156311-1, 550-156313-1, 550-156429-1, 550-156430-1, 550-156604-1, 550-156606-1, 550-157792-1, 550-157793-1, 550-158070-1, 550-158182-1, 550-158183-1, 550-158364-1, 550-158365-1, 550-158700-1, 550-158806-1, 550-158807-1, 550-161080-1, 550-161081-1, 550-161082-1, 550-161229-1, 550-161332-1, 550-161333-1, 550-161606-1, 550-162595-1, 550-162691-1, 550-162775-1, 550-162864-1, 550-162924-1550-163037-1, 550-163185-1, 550-163268-1, 550-163375-1, 550-163444-1, 550-163494-1, 550-163495-1, 550-163599-1, 550-163600-1, 550-163602-1, 550-163662-1, 550-163666-1, 550-163667-1, 550-163678-1, 550-163776-1, 550-163780-1, 550-163782-1, 550-163906-1, 550-164463-1, 550-164543-1, 550-164588-1, 550-164832-1, 550-165089-1, 550-165090-1, 550-165167-1, 550-165171-1, 550-165254-1, 550-165499-1, 550-166351-1, 550-167089-1, 550-167224-1, 550-167297-1, 550-167354-1, 550-167638-1, 550-167691-1

SDG	Sample	Analyte	Modified Final Concentration	A or P	Code
550-158700-1	M-12A-20210217-FB4	Chromium	0.0056J mg/L	A	bl,bb
550-158700-1	M-11-20210217-EB4	Chromium	0.0023J mg/L	A	bl,bb
550-158807-1	M-10-20210218	Selenium	0.0074J mg/L	A	bl,bb
550-162864-1	M-7B-20210429	Manganese	0.0021J mg/L	A	bl,bb
550-162924-1	M-161D-20210430	Chromium	0.0087J mg/L	A	bl,bb

SDG	Sample	Analyte	Modified Final Concentration	A or P	Code
550-163662-1	M-10-20210512	Selenium	0.0066J mg/L	A	bl, bb

NERT GWM Performance Sampling, January to July 2021
Metals - Field Blank Data Qualification Summary - SDGs 550-156195-1, 550-156196-1, 550-156311-1, 550-156313-1, 550-156429-1, 550-156430-1, 550-156604-1, 550-156606-1, 550-157792-1, 550-157793-1, 550-158070-1, 550-158182-1, 550-158183-1, 550-158364-1, 550-158365-1, 550-158700-1, 550-158806-1, 550-158807-1, 550-161080-1, 550-161081-1, 550-161082-1, 550-161229-1, 550-161332-1, 550-161333-1, 550-161606-1, 550-162595-1, 550-162691-1, 550-162775-1, 550-162864-1, 550-162924-1550-163037-1, 550-163185-1, 550-163268-1, 550-163375-1, 550-163444-1, 550-163494-1, 550-163495-1, 550-163599-1, 550-163600-1, 550-163602-1, 550-163662-1, 550-163666-1, 550-163667-1, 550-163678-1, 550-163776-1, 550-163780-1, 550-163782-1, 550-163906-1, 550-164463-1, 550-164543-1, 550-164588-1, 550-164832-1, 550-165089-1, 550-165090-1, 550-165167-1, 550-165171-1, 550-165254-1, 550-165499-1, 550-166351-1, 550-167089-1, 550-167224-1, 550-167297-1, 550-167354-1, 550-167638-1, 550-167691-1

No Sample Data Qualified in these SDGs

ATTACHMENT D

Wet Chemistry Data Validation Report

Ammonia as Nitrogen by Environmental Protection Agency (EPA) Method 350.1
Chlorate by EPA Method 300.1B
Chloride, Nitrate as Nitrogen, Nitrite as Nitrogen, and Sulfate by EPA 300.0
Conductivity by Standard Method 2510B
Field pH
Hexavalent Chromium by EPA Method 218.6 and Standard Method 3500CRB
Nitrate/Nitrite as Nitrogen by Calculation
Perchlorate by EPA Method 314.0
Total Recoverable Phenolics by EPA Method 420.4
Total Dissolved Solids by Standard Method 2540C
Total Inorganic Nitrogen by Calculation
Total Organic Carbon by Standard Method 5310B
Toxic Organic Halides by EPA SW 846 Method 9020B

I. Sample Receipt and Technical Holding Times

All samples were received in good condition.

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

SDG	Sample	Analyte	Total Time From Sample Collection Until Analysis	Required Holding Time From Sample Collection Until Analysis	Flag	A or P
550-156196-1	I-AB 20210112DL	Nitrate as N	616.62 hours	48 hours	J- (all detects)	A
550-156196-1	I-B 20210112DL	Nitrate as N	671.97 hours	48 hours	J- (all detects)	A
550-156604-1	E2-4 20210118-EB	Nitrate as N	527.12 hours	48 hours	R (all non-detects)	A
550-158182-1	I-N 20210209-EB	Nitrate as N	48.38 hours	48 hours	UJ (all non-detects)	P
550-158924-1	LVW8.85-0.4-20210215 LVW7.2-1.1-20210215 LVW7.2-1.1-20210215-FD LVW6.6-1-1.5-20210215 LVW6.6-2-2.7-20210215 LVW6.6-3-0.8-20210215 LVW6.05-1.0-20210215 LVW6.05-1.0-20210215-FD LVW6.05-20210215-FB C1-E-0.0-20210215 C1-W-0.0-20210215 LVW5.3-1-3.0-20210215 LVW5.3-2-0.9-20210215 LVW5.3-3-0.8-20210215 LVW5.3-4-0.4-20210215 LVW5.3-5-0.5-20210215 LVW5.3-6-0.8-20210215 LVW0.55-1.0-20210215 LVW0.55-1.0-20210215-FD LVW0.55-20210215-FB	Total dissolved solids	11 days	7 days	J- (all detects) UJ (all non-detects)	P
550-159917-1	I-P 20210310-EB	Nitrate as N	176.27 hours	48 hours	R (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
550-159995-1	I-V 20210311DL	Nitrate as N	142.42 hours	48 hours	J- (all detects)	P
550-159996-1	I-AB - 20210311DL	Nitrate as N	141.65 hours	48 hours	J- (all detects)	P
550-162924-1	M-11-20210430-FB4	Hexavalent chromium	70.90 hours	24 hours	R (all non-detects)	A
550-162924-1	M-11-20210430	Hexavalent chromium	70.83 hours	24 hours	J- (all detects)	A
550-162924-1	M-65-20210430DL	Nitrate as N	76.28 hours	48 hours	J- (all detects)	A
550-162924-1	M-72-20210430DL	Nitrate as N	78.88 hours	48 hours	J- (all detects)	A
550-162924-1	M-66-20210430DL	Nitrate as N	81.50 hours	48 hours	J- (all detects)	A
550-162924-1	M-66-20210430-FD8DL	Nitrate as N	78.77 hours	48 hours	J- (all detects)	A
550-162924-1	M-22A-20210430DL	Nitrate as N	78.10 hours	48 hours	J- (all detects)	A
550-162924-1	M-70-20210430DL	Nitrate as N	107.82 hours	48 hours	J- (all detects)	A
550-162924-1	M-140-20210430DL	Nitrate as N	80.40 hours	48 hours	J- (all detects)	A
550-163494-2	E1-1-20210510RE1 E1-3-20210510RE1 E1-1-20210510RE2 E1-3-20210510RE2	Chlorate	38 days	28 days	J- (all detects)	A
550-163667-2	PC-115R-20210512RE1 PC-115R-20210512RE2	Nitrate as N	874.47 hours	48 hours	J- (all detects)	A
550-163776-1	I-V-20210513DL	Nitrate as N	101.88 hours	48 hours	J- (all detects)	A
550-163906-2	E2-2-202105RE1 E2-2-202105RE2	Nitrate as N	753.65 hours	48 hours	J- (all detects)	A
550-164588-1	MW-K4-20210528RE	Nitrate as N	103.55 hours	48 hours	J- (all detects)	A
550-164588-1	PC-101R-20210528RE	Nitrate as N	103.32 hours	48 hours	J- (all detects)	A
550-164588-1	ARP-3A-20210528RE	Nitrate as N	106.63 hours	48 hours	J- (all detects)	A
550-164588-1	ARP-2A-20210528RE	Nitrate as N	106.08 hours	48 hours	J- (all detects)	A
550-164588-1	ARP-2A-20210528-EB14RE	Nitrate as N	106.55 hours	48 hours	R (all non-detects)	A

SDG	Sample	Analyte	Total Time From Sample Collection Until Analysis	Required Holding Time From Sample Collection Until Analysis	Flag	A or P
550-164588-1	PC-134A-20210528RE	Nitrate as N	104.50 hours	48 hours	J- (all detects)	A
550-164588-1	PC-134A-20210528-EB15RE	Nitrate as N	105.87 hours	48 hours	R (all non-detects)	A
550-164588-1	PC-145-20210528RE	Nitrate as N	109.75 hours	48 hours	J- (all detects)	A
550-164588-1	PC-144-20210528RE	Nitrate as N	109.03 hours	48 hours	J- (all detects)	A
550-164588-1	ARP-6B-20210528RE	Nitrate as N	108.40 hours	48 hours	J- (all detects)	A

II. Laboratory Blanks

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

SDG	Blank ID	Analyte	Maximum Concentration	Associated Samples
550-163494-1	MB 440-646257/6	Hexavalent chromium	0.000315 mg/L	E1-1-20210510 E1-2-20210510 E1-3-20210510 E2-1-20210510 E2-3-20210510 E2-4-20210510 E2-5-20210510 E2-3-20210510-FD E2-4-20210510-EB

Sample concentrations were compared to concentrations detected in the method blanks. The sample concentrations were either not detected or were significantly greater than the concentrations found in the associated method blanks.

III. Field Blanks

Samples I-L 20210112-EB (from SDG 550-156196-1), PC-119-20210203-EB (from SDG 550-157792-1), ART-7B-20210203-EB (from SDG 550-157793-1), I-N 20210209-EB (from SDG 550-158182-1), E1-1- 20210211-EB (from SDG 550-158365-1), and M-11-20210217-EB4 (from SDG 550-158700-1), PC-121-20210302-EB (from SDG 550-159412-1), ART-9-20210302-EB (from SDG 550-159413-1), E1-3 20210308-EB (from SDG 550-159757-1), I-P 20210310-EB (from SDG 550-159917-1), I-R-20210401-EB (from SDG 550-161080-1), E2-2-20210405-EB (from SDG 550-161229-1), ART-1A-20210406-EB (from SDG 550-161332-1), PC-99R2/R3-20210406-EB (from SDG 550-161333-1), LVWPS-MW102B-20210426-EB18 (from SDG 550-162595-1), ES-25A-20210426-EB20 (from SDG 550-162595-1), DBMW-14-20210427-EB21 (from SDG 550-162691-1), MW-20-20210428-EB19 (from SDG 550-162775-1), M-48A-20210428-EB6 (from SDG 550-162775-1), M-263-20210429-EB7 (from SDG 550-162864-1), PC-197-20210429-EB5 (from SDG 550-162864-1), M-163-20210430-EB8 (from SDG 550-

162924-1), UFMW-02D-20210503-EB9 (from SDG 550-163037-1), M-37-20210504-EB4, DBMW-4-20210504-EB22 (both from SDG 550-163185-1), M-165-20210505-EB13 (from SDG 550-163268-1), PC-79-20210506-EB11, DBMW-18-20210506-EB23, M-135-20210506-EB12 (all three from SDG 550-163375-1), M-68-20210507-EB10, PC-82-20210507-EB17 (both from SDG 550-163444-1), E2-4-20210510-EB (from SDG 550-163494-1), ART-3A-20210512-EB (from SDG 550-163666-1), PC-116R-20210512-EB (from SDG 550-163667-1), I-T-20210513-EB (from SDG 550-163780-1), PC-126-20210527-EB16 (from SDG 550-164543-1), ARP-2A-20210528-EB14 and PC-134A-20210528-EB15 (both from SDG 550-164588-1), PC-117 20210113-EB (from SDG 550-156311-1), ART-3A 20210113-EB (from SDG 550-156313-1), E2-4 20210118-EB (from SDG 550-156604-1), PC-119-20210203-EB (from SDG 550-157792-1), ART-7B-20210203-EB (from SDG 550-157793-1), I-N 20210209-EB (from SDG 550-158182-1), E1-1- 20210211-EB (from SDG 550-158365-1), and M-11-20210217-EB4 (from SDG 550-158700-1), ART-7B-20210609-EB (from SDG 550-165167-1), PC-118-20210609-EB (from SDG 550-165171-1), E1-1-20210610-EB (from SDG 550-165254-1), I-V-20210615-EB (from SDG 550-165499-1), I-R-20210401-EB (from SDG 550-161080-1), E2-2-20210405-EB (from SDG 550-161229-1), ART-1A-20210406-EB (from SDG 550-161332-1), PC-99R2/R3-20210406-EB (from SDG 550-161333-1), LVWPS-MW102B-20210426-EB18 (from SDG 550-162595-1), ES-25A-20210426-EB20 (from SDG 550-162595-1), DBMW-14-20210427-EB21 (from SDG 550-162691-1), MW-20-20210428-EB19 (from SDG 550-162775-1), M-48A-20210428-EB6 (from SDG 550-162775-1), M-263-20210429-EB7 (from SDG 550-162864-1), PC-197-20210429-EB5 (from SDG 550-162864-1), and M-163-20210430-EB8 (from SDG 550-162924-1) were identified as equipment blanks. No contaminants were found with the following exceptions:

SDG	Blank ID	Collection Date	Analyte	Concentration	Associated Samples
550-156311-1	PC-117 20210113-EB	01/13/21	Perchlorate	0.94 ug/L	PC-117 20210113
550-157792-1	PC-119-20210203-EB	02/03/21	Total dissolved solids	1800 mg/L	PC-119-20210203
550-158182-1	I-N 20210209-EB	02/09/21	Chlorate	11 ug/L	I-N 20210209
550-159413-1	ART-9-20210302-EB	03/02/21	Chlorate Perchlorate	6.6 ug/L 0.36 ug/L	ART-9-20210302
550-161229-1	E2-2-20210405-EB	04/05/21	Perchlorate	750 ug/L	E2-2-20210405
550-162595-1	LVWPS-MW102B-20210426-EB18	04/26/21	Chlorate	50 ug/L	LVWPS-MW102B-20210426
550-162691-1	DBMW-14-20210427-EB21	04/27/21	Chlorate	7.0 ug/L	DBMW-14-20210427
550-162775-1	MW-20-20210428-EB19	04/28/21	Chlorate	14 ug/L	MW-20-20210428
550-162864-1	M-263-20210429-EB7	04/29/21	Chlorate	7.0 ug/L	M-263-20210429
550-163037-1	UFMW-02D-20210503-EB9	05/03/21	Chlorate	7.2 ug/L	UFMW-02D-20210503

SDG	Blank ID	Collection Date	Analyte	Concentration	Associated Samples
550-163185-1	M-37-20210504-EB4	05/04/21	Chlorate	6.8 ug/L	M-37-20210504
550-163185-1	DBMW-4-20210504-EB22	05/04/21	Chlorate Perchlorate	8.2 ug/L 0.95 ug/L	DBMW-4-20210504
550-163268-1	M-165-20210505-EB13	05/05/21	Chlorate	18 ug/L	M-165-20210505
550-163375-1	PC-79-20210506-EB11	05/06/21	Perchlorate	2.3 ug/L	PC-79-20210506
550-163375-1	M-135-20210506-EB12	05/06/21	Nitrate as N	2.0 ug/L	M-135-20210506
550-163494-1	E2-4-20210510-EB	05/10/21	Nitrate as N Chlorate	0.014 mg/L 7.0 ug/L	E2-4-20210510
550-163667-1	PC-116R-20210512-EB	05/12/21	Nitrate as N	0.017 mg/L	PC-116R-20210512
550-164543-1	PC-126-20210527-EB16	05/27/21	Nitrate as N Chlorate Perchlorate	0.092 mg/L 14 ug/L 0.96 ug/L	PC-126-20210527
550-164588-1	PC-134A-20210528-EB15	05/28/21	Chlorate	7.8 ug/L	PC-134A-20210528
550-165167-1	ART-7B-20210609-EB	06/09/21	Nitrate as N Chlorate Perchlorate	0.015 mg/L 6.5 ug/L 14 ug/L	ART-7B-20210609
550-165171-1	PC-118-20210609-EB	06/09/21	Total dissolved solids	1600 mg/L	PC-118-20210609
550-165254-1	E1-1-20210610-EB	06/10/21	Perchlorate	0.58 ug/L	E1-1-20210610
550-165499-1	I-V-20210615-EB	06/15/21	Perchlorate	0.65 ug/L	I-V-20210615
550-163037-1	UFMW-02D-20210503-EB9	05/03/21	Chlorate	7.2 ug/L	UFMW-02D-20210503
550-163185-1	M-37-20210504-EB4	05/04/21	Chlorate	6.8 ug/L	M-37-20210504
550-163185-1	DBMW-4-20210504-EB22	05/04/21	Chlorate Perchlorate	8.2 ug/L 0.95 ug/L	DBMW-4-20210504
550-163268-1	M-165-20210505-EB13	05/05/21	Chlorate	18 ug/L	M-165-20210505
550-163375-1	PC-79-20210506-EB11	05/06/21	Perchlorate	2.3 ug/L	PC-79-20210506
550-163375-1	M-135-20210506-EB12	05/06/21	Nitrate as N	2.0 ug/L	M-135-20210506
550-163494-1	E2-4-20210510-EB	05/10/21	Nitrate as N Chlorate	0.014 mg/L 7.0 ug/L	E2-4-20210510

SDG	Blank ID	Collection Date	Analyte	Concentration	Associated Samples
550-163667-1	PC-116R-20210512-EB	05/12/21	Nitrate as N	0.017 mg/L	PC-116R-20210512
550-164543-1	PC-126-20210527-EB16	05/27/21	Nitrate as N Chlorate Perchlorate	0.092 mg/L 14 ug/L 0.96 ug/L	PC-126-20210527
550-164588-1	PC-134A-20210528-EB15	05/28/21	Chlorate	7.8 ug/L	PC-134A-20210528

Samples LVW6.05-20210119-FB and LVW7.2-20210119-FB (both from SDG 550-156916-1), M-12A-20210217-FB4 (from SDG 550-158700-1), LVW6.05-20210215-FB, and LVW0.55-20210215-FB (both from SDG 550-158924-1), LVW6.05-20210317-FB and LVW0.55-20210316-FB (both from SDG 550-160318-1), LVW6.05-20210416-FB (from SDG 550-162124-1), LVW0.55-20210416-FB (from SDG 550-162124-1), ES-52-20210426-FB20 (from SDG 550-162595-1), LVWPS-MW102A-20210427-FB19 (from SDG 550-162691-1), H-56R-20210428-FB5 (from SDG 550-162775-1), M-44-20210429-FB6 (from SDG 550-162864-1), MC-53-20210429-FB7 (from SDG 550-162864-1), ES-19-20210429-FB21 (from SDG 550-162864-1), M-11-20210430-FB4 (from SDG 550-162924-1), M-118-20210503-FB10, NERT3.58N1-20210503-FB19 (both from SDG 550-163037-1), M-14A-20210505-FB9, M-92-20210505-FB13, PC-74-20210505-FB17 (all three from SDG 550-163268-1), ES-2-20210506-FB22, ES-30-20210506-FB23 (both from SDG 550-163375-1), PC-56-20210507-FB11, PC-90-20210507-FB12 (both from SDG 550-163444-1), LVW6.05-20210506-FB, LVW0.55-20210507-FB (both from SDG 550-163446-1), HMW-14-20210527-FB16 (from SDG 550-164543-1), ARP-7-20210528-FB14, PC-143-20210528-FB15 (both from SDG 550-164588-1), M-12A-20210217-FB4 (from SDG 550-158700-1), LVW6.05-20210215-FB, and LVW0.55-20210215-FB (both from SDG 550-158924-1), M-207-20210430-FB8 (from SDG 550-162924-1), LVW6.05-20210608-FB (from SDG 550-165143-1), LVW0.55-20210607-FB (from SDG 550-165143-1), NERT5.49S1-20210722-FB26 (from SDG 550-167638-1), PC-156A-20210723-FB27 (from SDG 550-167691-1), , LVW6.05-20210416-FB (from SDG 550-162124-1), LVW0.55-20210416-FB (from SDG 550-162124-1), ES-52-20210426-FB20 (from SDG 550-162595-1), LVWPS-MW102A-20210427-FB19 (from SDG 550-162691-1), H-56R-20210428-FB5 (from SDG 550-162775-1), M-44-20210429-FB6 (from SDG 550-162864-1), MC-53-20210429-FB7 (from SDG 550-162864-1), ES-19-20210429-FB21 (from SDG 550-162864-1), M-11-20210430-FB4 (from SDG 550-162924-1), and M-207-20210430-FB8 (from SDG 550-162924-1) were identified as field blanks. No contaminants were found with the following exceptions:

SDG	Blank ID	Collection Date	Analyte	Concentration	Associated Samples
550-158924-1	LVW6.05-20210215-FB	02/15/21	Perchlorate	0.40 ug/L	LVW6.05-1.0-20210215 LVW6.05-1.0-20210215-FD
550-162124-1	LVW0.55-20210416-FB	04/16/21	Chlorate Total dissolved solids	6.2 ug/L 30 mg/L	LVW0.55-1.2-20210416 LVW0.55-1.2-20210416-FD

SDG	Blank ID	Collection Date	Analyte	Concentration	Associated Samples
550-162691-1	LVWPS-MW102A-20210427-FB19	04/27/21	Chlorate	6.9 ug/L	LVWPS-MW102A-20210427
550-162775-1	H-56R-20210428-FB5	04/28/21	Chlorate	7.3 ug/L	H-56R-20210428
550-163037-1	M-118-20210503-FB10	05/03/21	Chlorate	6.9 ug/L	M-118-20210503
550-163268-1	M-14A-20210505-FB9	05/05/21	Nitrate as N	0.016 ug/L	M-14A-20210505

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
550-157792-1	PC-119-20210203	Total dissolved solids	1500 mg/L	1500J+ mg/L
550-162595-1	LVWPS-MW102B-20210426	Chlorate	260 ug/L	260J ug/L
550-163375-1	M-135-20210506	Nitrate as N	9.3 ug/L	9.3J+ ug/L
550-165171-1	PC-118-20210609	Total dissolved solids	1500 mg/L	1500J+ mg/L

IV. Surrogates

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

SDG	Sample	Surrogate	%R (Limits)	Affected Analyte	Flag	A or P
550-156916-1	LVW4.2-3-2.8-20210120	Dichloroacetic acid	199 (90-115)	Chlorate	J+ (all detects)	P
550-156916-1	LVW3.5-3-1.7-20210120	Dichloroacetic acid	323 (90-115)	Chlorate	J+ (all detects)	P
550-158924-1	LVW3.5-6-1.7-20210216	Dichloroacetic acid	250 (90-115)	Chlorate	J+ (all detects)	P

Surrogate recoveries (%R) were not within QC limits for sample LVW4.2-4-1.6-20210120 (from SDG 550-156916-1), LVW3.5-2-1.0-20210216 and LVW3.5-3-1.6-20210216 (both from SDG 550-158924-1), and for several samples from SDGs 550-159412-1, 550-159413-1, and 550-160318-1. No data were qualified for samples analyzed at greater than or equal to 5X dilution.

V. Matrix Spike/Matrix Spike Duplicates

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

SDG	Spike ID (Associated Samples)	Analyte	MS (%R) (Limits)	MSD (%R) (Limits)	Flag	A or P
550-156429-1	I-H 20210114MS/MSD (I-AD 20210114 I-K 20210114 I-J 20210114 I-I 20210114 I-V 20210114)	Nitrate as N	-	126 (80-120)	J+ (all detects)	A
550-156430-1	I-H 20210114MS/MSD (I-Q 20210114 I-G 20210114 I-T 20210114 I-U 20210114 I-H 20210114 I-W 20210114)	Nitrate as N	-	126 (80-120)	J+ (all detects)	A
550-156916-1	LVW0.55-1.0-20210120MS/MSD (LVW0.55-1.0-20210120 LVW4.75-4-1.1-20210120 LVW4.75-5-0.9-20210120 LVW4.2-4-1.6-20210120)	Chlorate	44 (75-125)	46 (75-125)	J- (all detects)	A
550-156916-1	LVW4.75-5-0.9-20210120MS/MSD (LVW0.55-1.0-20210120 LVW4.75-4-1.1-20210120 LVW4.75-5-0.9-20210120 LVW4.2-4-1.6-20210120)	Chlorate	68 (75-125)	-	J- (all detects)	A
550-158070-1	I-O 20210208MS/MSD (I-O 20210208)	Chlorate	136 (75-125)	135 (75-125)	J+ (all detects)	A
550-158070-1	I-W 20210208MS/MSD (I-W 20210208)	Chlorate	188 (75-125)	145 (75-125)	J+ (all detects)	A
550-158183-1	I-I-20210211MS/MSD (I-L-20210209 I-S-20210209 I-AR-20210209)	Chlorate	17 (75-125)	8 (75-125)	J- (all detects)	A
550-158364-1	I-J-20210211MS/MSD (I-J-20210211 I-Z-20210211 I-I-20210211)	Nitrate as N	61 (80-120)	61 (80-120)	J- (all detects)	A
550-158364-1	I-V-20210211MS/MSD (I-V-20210211)	Nitrate as N	153 (80-120)	148 (80-120)	J+ (all detects)	A

SDG	Spike ID (Associated Samples)	Analyte	MS (%R) (Limits)	MSD (%R) (Limits)	Flag	A or P
550-158364-1	I-I-20210211MS/MSD (I-AC-20210211 I-AD-20210211 I-K-20210211 I-J-20210211 I-Z-20210211 I-I-20210211 I-V-20210211)	Chlorate	17 (75-125)	8 (75-125)	J- (all detects)	A
550-158365-1	I-J-20210211MS/MSD (E1-3-20210211 E2-1-20210211)	Nitrate as N	61 (80-120)	61 (80-120)	J- (all detects)	A
550-158365-1	I-V-20210211MS/MSD (E2-3-20210211 E2-4-20210211)	Nitrate as N	153 (80-120)	148 (80-120)	J+ (all detects)	A
550-158365-1	I-I-20210211MS/MSD (E1-1-20210211 E1-2-20210211 E1-3-20210211 E2-1-20210211 E2-2-20210211 E2-3-20210211)	Chlorate	17 (75-125)	8 (75-125)	J- (all detects)	A
550-158807-1	M-10-20210218MS/MSD (M-10-20210218)	Chloride	64 (80-120)	59 (80-120)	J- (all detects)	A
550-158924-1	I-W 20210208MS/MSD (LVW8.85-0.4-20210215 LVW7.2-1.1-20210215 LVW7.2-1.1-20210215-FD LVW6.6-1-1.5-20210215 LVW6.6-2-2.7-20210215 LVW6.6-3-0.8-20210215 LVW6.05-1.0-20210215 LVW6.05-1.0-20210215-FD C1-E-0.0-20210215 C1-W-0.0-20210215 LVW5.3-1-3.0-20210215 LVW5.3-2-0.9-20210215 LVW5.3-3-0.8-20210215)	Chlorate	188 (75-125)	145 (75-125)	J+ (all detects)	A
550-158924-1	LVW5.3-4-0.4-20210215MS/MSD (LVW5.3-4-0.4-20210215 LVW5.3-5-0.5-20210215 LVW5.3-6-0.8-20210215 LVW4.75-1-0.8-20210216 LVW4.75-2-1.2-20210216 LVW4.75-3-0.8-20210216 LVW4.75-4-1.3-20210216 LVW4.75-5-1.0-20210216 LVW4.2-1-1.5-20210216 LVW4.2-2-2.0-20210216 LVW4.2-3-3.5-20210216 LVW4.2-4-1.6-20210216 LVW3.5-1-1.4-20210216 LVW0.55-1.0-20210215 LVW0.55-1.0-20210215-FD)	Chlorate	-	72 (75-125)	J- (all detects)	A

SDG	Spike ID (Associated Samples)	Analyte	MS (%R) (Limits)	MSD (%R) (Limits)	Flag	A or P
550-158924-1	LVW4.75-3-0.8-20210216MS/MSD (LVW5.3-4-0.4-20210215 LVW5.3-5-0.5-20210215 LVW5.3-6-0.8-20210215 LVW4.75-1-0.8-20210216 LVW4.75-2-1.2-20210216 LVW4.75-3-0.8-20210216 LVW4.75-4-1.3-20210216 LVW4.75-5-1.0-20210216 LVW4.2-1-1.5-20210216 LVW4.2-2-2.0-20210216 LVW4.2-3-3.5-20210216 LVW4.2-4-1.6-20210216 LVW3.5-1-1.4-20210216 LVW0.55-1.0-20210215 LVW0.55-1.0-20210215-FD)	Chlorate	47 (75-125)	48 (75-125)	J- (all detects)	A
550-159917-1	I-O 20210310-FDMS/MSD (I-O 20210310-FD)	Chlorate	36 (75-125)	-	J- (all detects)	A
550-159919-1	I-O 20210310-FDMS/MSD (I-C 20210310 I-F 20210310 I-X 20210310 I-N 20210310 I-E 20210310 I-M 20210310 I-D 20210310)	Chlorate	36 (75-125)	-	J- (all detects)	A
550-161081-1	I-X-20210401MS/MSD (I-F-20210401 I-X-20210401 I-N-20210401 I-E-20210401 I-M-20210401 I-D-20210401)	Chlorate	44 (75-125)	-112 (75-125)	J- (all detects)	A
550-161082-1	I-X-20210401MS/MSD (I-Q-20210401 I-G-20210401)	Chlorate	44 (75-125)	-112 (75-125)	J- (all detects)	A
550-161229-1	E2-3-20210405MS/MSD (E2-3-20210405 E2-4-20210405 E2-5-20210405 E2-1-20210405-FD)	Chlorate	202 (75-125)	218 (75-125)	J+ (all detects)	A
550-161332-1	E2-3-20210405MS/MSD (ART-1A-20210406 ART-2/2A-20210406)	Chlorate	202 (75-125)	218 (75-125)	J+ (all detects)	A
550-161333-1	PC-133-20210406MS/MSD (PC-133-20210406 PC-133-20210406-FD)	Chlorate	126 (75-125)	-	J+ (all detects)	A
550-162595-1	PC-136-20210426MS/MSD (PC-136-20210426 PC-137-20210426 PC-137D-20210426)	Nitrate as N	78 (80-120)	71 (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
550-162595-1	LVWPS-MW105-20210426-FD19MS/MSD (ES-47-20210426-FD20 ES-48-20210426 ES-51-20210426 ES-52-20210426 LVWPS-MW105-20210426 LVWPS-MW105-20210426-FD19)	Chlorate	135 (75-125)	-	J+ (all detects)	A
550-162691-1	LVWPS-MW105-20210426-FD19MS/MSD (PC-130-20210427 PC-152-20210427 M-137-20210427 M-138-20210427 M-144-20210427 TR-8-20210427)	Chlorate	135 (75-125)	-	J+ (all detects)	A
550-162691-1	LVWPS-MW105-20210426-FD19MS/MSD (TR-7-20210427)	Chlorate	135 (75-125)	-	NA	-
550-162691-1	MW-4-20210428MS/MSD (ES-16-20210427)	Chlorate	129 (75-125)	131 (75-125)	NA	-
550-162775-1	MW-4-20210428MS/MSD (MW-4-20210428 MW-3-20210428 MW-20-20210428 M-13-20210428 MW-K5-20210428 PC-98R-20210428 ES-8A-20210428 MC-65R2-20210428 H-58R-20210428 PC-2-20210428 PC-191-20210428)	Chlorate	129 (75-125)	131 (75-125)	J+ (all detects)	A
550-162775-1	MW-4-20210428MS/MSD (TR-12-20210428)	Chlorate	129 (75-125)	131 (75-125)	NA	-
550-162775-1	M-191-20210428MS/MSD (PC-191-20210428-FD5 PC-53-20210428 ES-10-20210428 PC-71-20210428 H-56R-20210428 MC-97-20210428 PC-188-20210428 TR-11-20210428)	Chlorate	-	131 (75-125)	J+ (all detects)	A
550-162775-1	PC-191-20210428-FD5MS/MSD (M-191-20210428)	Chlorate	133 (75-125)	130 (75-125)	J+ (all detects)	A
550-162775-1	TR-11-20210428MS/MSD (ES-10-20210428 PC-71-20210428 PC-72-20210428 MC-97-20210428 PC-188-20210428 PC-189-20210428 TR-11-20210428)	Perchlorate	50 (80-120)	56 (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
550-162924-1	UFMW-01D-20210430MS/MSD (M-260-20210430 TR-4-20210430 M-70-20210430 M-140-20210430 UFMW-01D-20210430)	Chlorate	73 (75-125)	-	J- (all detects) UJ (all non-detects)	A
550-163037-1	NERT4.21N1-20210503MS/MSD (UFMW-03D-20210503 TR-6-20210503 NERT4.21N1-20210503 ES-26-20210503 M-150-20210503)	Chlorate	140 (75-125)	135 (75-125)	J+ (all detects)	A
550-163037-1	NERT4.21N1-20210503MS/MSD (TR-5-20210503 TR-5-20210503-FD10 M-118-20210503-FB10 M-118-20210503 NERT4.70N1-20210503 NERT4.71N1-20210503)	Chlorate	140 (75-125)	135 (75-125)	NA	-
550-163268-1	PC-74-20210505-FB17MS/MSD (PC-74-20210505-FB17)	Nitrate as N	123 (80-120)	-	NA	-
550-163268-1	LVWPS-MW201B-20210505MS/MSD (M-19-20210505 M-182-20210505 M-133-20210505 M-165-20210505 M-2A-20210505 LVWPS-MW201A-20210505 LVWPS-MW201B-20210505 M-95-20210505 M-92-20210505 DFW-06-20210505 NERT4.64S1-20210505)	Chlorate	147 (75-125)	138 (75-125)	J+ (all detects)	A
550-163268-1	LVWPS-MW201B-20210505MS/MSD (M-123-20210505)	Chlorate	147 (75-125)	138 (75-125)	NA	-
550-163375-1	M-145-20210506MS/MSD (M-153-20210506 M-145-20210506 M-268-20210506 M-267-20210506 M-214-20210506 SWFTS-MW08C-20210506 PC-40R-20210506 PC-198-20210506 PC-199-20210506 M-135-20210506)	Nitrate as N	77 (80-120)	-	J- (all detects) UJ (all non-detects)	A
550-163375-1	SWFTS-MW08C-20210506MS/MSD (SWFTS-MW08C-20210506 PC-40R-20210506)	Chlorate	142 (75-125)	-	J+ (all detects)	A

SDG	Spike ID (Associated Samples)	Analyte	MS (%R) (Limits)	MSD (%R) (Limits)	Flag	A or P
550-163446-1	LVW3.5-2-1.0-20210507MS/MSD (LVW4.2-1-1.8-20210507 LVW4.2-2-2.4-20210507 LVW4.2-3-3.3-20210507 LVW4.2-4-2.2-20210507 LVW3.5-1-1.3-20210507 LVW3.5-2-1.0-20210507 LVW3.5-3-1.7-20210507 LVW3.5-4-1.8-20210507 LVW3.5-5-1.8-20210507 LVW3.5-6-1.8-20210507 LVW0.55-1.1-20210507 LVW5.3-1-2.6-20210507)	Chlorate	149 (75-125)	49 (75-125)	J (all detects)	A
550-163600-1	M-115-20210511MS/MSD (I-S-20210511 I-S-20210511-FD I-AR-20210511)	Nitrate as N	-	129 (80-120)	J+ (all detects)	A
550-163600-1	I-AC-20210513MS/MSD (I-S-20210511 I-S-20210511-FD)	Chlorate	47 (75-125)	45 (75-125)	J- (all detects)	A
550-163602-1	M-115-20210511MS/MSD (M-115-20210511 M-132-20210511 M-74-20210511 M-81A-20210511 M-83-20210511)	Nitrate as N	-	129 (80-120)	J+ (all detects)	A
550-163666-1	PC-121-20210512MS/MSD (ART-3A-20210512)	Chlorate	-	-31 (75-125)	J- (all detects)	A
550-163666-1	I-G-20210513MS/MSD (ART-2/2A-20210512 ART-3A-20210512 ART-4-20210512 ART-7B-20210512 ART-8A-20210512 ART-9-20210512 PC-150-20210512 ART-2/2A-20210512-FD)	Perchlorate	122 (80-120)	123 (80-120)	J+ (all detects)	A
550-163667-1	PC-121-20210512MS/MSD (PC-116R-20210512)	Chlorate	-	-31 (75-125)	J- (all detects)	A
550-163667-1	PC-121-20210512MS/MSD (PC-99R2/R3-20210512 PC-115R-20210512 PC-116R-20210512 PC-117-20210512 PC-118-20210512 PC-119-20210512 PC-120-20210512 PC-121-20210512 PC-133-20210512)	Perchlorate	122 (80-120)	123 (80-120)	J+ (all detects)	A

SDG	Spike ID (Associated Samples)	Analyte	MS (%R) (Limits)	MSD (%R) (Limits)	Flag	A or P
550-163667-1	M-155-20210512MS/MSD (PC-117-20210512 PC-118-20210512 PC-119-20210512 PC-120-20210512 PC-121-20210512 PC-133-20210512 PC-115R-20210512-FD)	Nitrate as N	-0.4 (80-120)	-0.3 (80-120)	J- (all detects)	A
550-163678-1	M-155-20210512MS/MSD (M-73-20210512 M-155-20210512 M-151-20210512)	Nitrate as N	-0.4 (80-120)	-0.3 (80-120)	J- (all detects)	A
550-163776-1	I-V-20210513MS/MSD (I-V-20210513)	Nitrate as N	-	73 (80-120)	J- (all detects)	A
550-163776-1	I-AC-20210513MS/MSD (I-AC-20210513 I-AD-20210513 I-J-20210513 I-Z-20210513)	Chlorate	47 (75-125)	45 (75-125)	J- (all detects)	A
550-163780-1	I-G-20210513MS/MSD (I-G-20210513 I-O-20210513)	Chlorate	-	-31 (75-125)	J- (all detects)	A
550-165254-1	E1-1-20210610MS/MSD (E1-1-20210610 E1-2-20210610 E1-3-20210610 E2-1-20210610 E2-2-20210610 E2-3-20210610 E2-4-20210610 E2-5-20210610 E2-5-20210610-FD)	Hexavalent chromium	212 (90-110)	204 (90-110)	J+ (all detects)	A
550-165254-1	E2-4-20210610MS/MSD (E2-4-20210610 E2-5-20210610 E2-5-20210610-FD)	Chlorate	135 (75-125)	132 (75-125)	J+ (all detects)	A
550-167297-1	PC-157A-20210716MS/MSD (All samples in SDG 550-167297-1)	Nitrate as N	9 (80-120)	4 (80-120)	J- (all detects)	A

For PC-116R 20210113-FDMS/MSD (from SDG 550-156311-1) and ART-2/2A 20210113-FDMS/MSD (from SDG 550-156313-1), no data were qualified for chlorate percent recoveries (%R) outside the QC limits since the parent sample results were greater than 4X the spike concentration.

For ART-9 20210113MS/MSD (from SDG 550-156313-1), E2-5-20210211MS/MSD (from SDG 550-158365-1), E1-1-20210510MS/MSD (from SDG 550-163494-1) and ARP-7-20210528MS/MSD (from SDG 550-164588-1), no data were qualified for nitrate

as nitrogen percent recoveries (%R) outside the QC limits since the parent sample results were greater than 4X the spike concentration.

For E1-2 20210118MS/MSD (from SDG 550-156604-1), I-C 20210209MS/MSD (from SDG 550-158182-1), I-C-20210401MS/MSD (from SDG 550-161081-1), I-Q-20210401MS/MSD (from SDG 550-161082-1), I-K-20210408MS/MSD (from SDG 550-161606-1), M-44-20210429MS/MSD (from SDG 550-162864-1), and I-R-20210511MS/MSD (from SDG 550-163600-1), no data were qualified for hexavalent chromium percent recoveries outside the QC limits since the parent sample results were greater than 4X the spike concentration.

For M-220-20210507MS/MSD (from SDG 550-163444-1), 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.

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

SDG	Spike ID (Associated Samples)	Analyte	RPD (Limits)	Flag	A or P
550-161081-1	I-X-20210401MS/MSD (I-F-20210401 I-X-20210401 I-N-20210401 I-E-20210401 I-M-20210401 I-D-20210401)	Chlorate	52 (≤25)	J (all detects)	A
550-161082-1	I-X-20210401MS/MSD (I-Q-20210401 I-G-20210401)	Chlorate	52 (≤25)	J (all detects)	A
550-163375-1	M-145-20210506MS/MSD (M-153-20210506 M-145-20210506 M-268-20210506 M-267-20210506 M-214-20210506 SWFTS-MW08C-20210506 PC-40R-20210506 PC-198-20210506 PC-199-20210506 M-135-20210506)	Nitrate as N	24 (≤20)	J (all detects) UJ (all non-detects)	A
550-163446-1	LVW3.5-2-1.0-20210507MS/MSD (LVW4.2-1-1.8-20210507 LVW4.2-2-2.4-20210507 LVW4.2-3-3.3-20210507 LVW4.2-4-2.2-20210507 LVW3.5-1-1.3-20210507 LVW3.5-2-1.0-20210507 LVW3.5-3-1.7-20210507 LVW3.5-4-1.8-20210507 LVW3.5-5-1.8-20210507 LVW3.5-6-1.8-20210507 LVW0.55-1.1-20210507 LVW5.3-1-2.6-20210507)	Chlorate	60 (≤25)	J (all detects)	A

SDG	Spike ID (Associated Samples)	Analyte	RPD (Limits)	Flag	A or P
550-163666-1	PC-121-20210512MS/MSD (ART-3A-20210512)	Chlorate	44 (≤25)	J (all detects)	A
550-163667-1	PC-121-20210512MS/MSD (PC-116R-20210512)	Chlorate	44 (≤25)	J (all detects)	A
550-163780-1	I-G-20210513MS/MSD (I-G-20210513 I-O-20210513)	Chlorate	44 (≤25)	J (all detects)	A
550-167297-1	PC-157A-20210716MS/MSD (All samples in SDG 550-167297-1)	Nitrate as N	25 (≤20)	J (all detects)	A

For I-C 20210209MS/MSD (from SDG 550-158182-1), no data were qualified for hexavalent chromium percent recoveries (%R) outside the QC limits since the parent sample results were greater than 4X the spike concentration.

For E2-5-20210211MS/MSD (from SDG 550-158365-1), no data were qualified for nitrate as nitrogen 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.

VI. 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)	Flag	A or P
550-164832-1	I-AR-20210603DUP (I-AR-20210603)	Total dissolved solids	14 (≤10)	J (all detects)	A

VII. Laboratory Control Samples

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

VIII. Field Duplicates

Samples PC-116R 20210113 and PC-116R 20210113-FD (both from SDG 550-156311-1), samples ART-2/2A 20210113 and ART-2/2A 20210113-FD (both from SDG 550-156313-1), samples I-K 20210114 and I-K 20210114-FD (both from SDG 550-156429-1), samples E2-3 20210118 and E2-3 20210118-FD (both from SDG 550-156604-1),

samples LVW7.2-1.0-20210119 and LVW7.2-1.0-20210119-FD (both from SDG 550-156916-1), samples LVW6.05-0.6-20210119 and LVW6.05-0.6-20210119-FD (both from SDG 550-156916-1), samples LVW0.55-1.0-20210120 and LVW0.55-1.0-20210120-FD (both from SDG 550-156916-1), samples PC-118-20210203 and PC-118-20210203-FD (both from SDG 550-157792-1), samples ART-4-20210203 and ART-4-20210203-FD (both from SDG 550-157793-1), samples I-M 20210209 and I-M 20210209-FD (both from SDG 550-158182-1), samples E2-5-20210211 and E2-5-20210211-FD (both from SDG 550-158365-1), samples M-38-20210218 and M-38-20210218-FD4 (both from SDG 550-158806-1), samples LVW7.2-1.1-20210215 and LVW7.2-1.1-20210215-FD (both from SDG 550-158924-1), samples LVW6.05-1.0-20210215 and LVW6.05-1.0-20210215-FD (both from SDG 550-158924-1), and samples LVW0.55-1.0-20210215 and LVW0.55-1.0-20210215-FD (both from SDG 550-158924-1), samples PC-120-20210302 and PC-120-20210302-FD (both from SDG 550-159412-1), samples ART-8A-20210302 and ART-8A-20210302-FD (both from SDG 550-159413-1), samples E1-2 20210308 and E1-2 20210308-FD (both from SDG 550-159757-1), samples I-O 20210310 and I-O 20210310-FD (both from SDG 550-159917-1), samples LVW7.2-1.0-20210317 and LVW7.2-1.0-20210317-FD (both from SDG 550-160318-1), samples LVW6.05-0.6-20210317 and LVW6.05-0.6-20210317-FD (both from SDG 550-160318-1), samples LVW0.55-1.1-20210316 and LVW0.55-1.1-20210316-FD (both from SDG 550-160318-1), samples I-Q-20210401 and I-Q-20210401-FD (both from SDG 550-161082-1), samples E2-1-20210405 and E2-1-20210405-FD (both from SDG 550-161229-1), samples PC-150-20210406 and PC-150-20210406-FD (both from SDG 550-161332-1), samples PC-133-20210406 and PC-133-20210406-FD (both from SDG 550-161333-1), samples LVW7.2-1.0-20210416 and LVW7.2-1.0-20210416-FD (both from SDG 550-162124-1), samples LVW6.05-0.7-20210416 and LVW6.05-0.7-20210416-FD (both from SDG 550-162124-1), samples LVW0.55-1.2-20210416 and LVW0.55-1.2-20210416-FD (both from SDG 550-162124-1), samples LVWPS-MW224B-20210426 and LVWPS-MW224B-20210426-FD18 (both from SDG 550-162595-1), samples ES-47-20210426 and ES-47-20210426-FD20 (both from SDG 550-162595-1), samples LVWPS-MW105-20210426 and LVWPS-MW105-20210426-FD19 (both from SDG 550-162595-1), samples ES-18-20210427 and ES-18-20210427-FD21 (both from SDG 550-162691-1), samples PC-191-20210428 and PC-191-20210428-FD5 (both from SDG 550-162775-1), samples M-212-20210429 and M-212-20210429-FD7 (both from SDG 550-162864-1), samples M-23-20210429 and M-23-20210429-FD6 (both from SDG 550-162864-1), samples M-160-20210430 and M-160-20210430-FD12 (both from SDG 550-162924-1), samples M-66-20210430 and M-66-20210430-FD8 (both from SDG 550-162924-1), samples M-66-20210430DL and M-66-20210430-FD8DL (both from SDG 550-162924-1), samples TR-5-20210503 and TR-5-20210503-FD10 (both from SDG 550-163037-1), samples M-150-20210503 and M-150-20210503-FD9 (both from SDG 550-163037-1), samples M-121-20210504 and M-121-20210504-FD11 (both from SDG 550-163185-1), samples M-31A-20210504 and M-31A-20210504-FD13 (both from SDG 550-163185-1), samples MC-7-20210505 and MC-7-20210505-FD17 (both from SDG 550-163268-1), samples I-U-20210608 and I-U-20210608-FD (both from SDG 551-165089-1), samples LVW8.85-0.5-20210608 and LVW8.85-0.5-20210608-FD (both from SDG 550-165143-1), samples LVW7.2-1.2-20210608 and LVW7.2-1.2-20210608-FD (both from SDG 550-165143-1), samples LVW6.05-0.6-20210608 and LVW6.05-0.6-20210608-FD (both from SDG 550-165143-1), samples ART-4-20210609 and ART-4-20210609-FD (both from SDG 550-165167-1), samples PC-117-20210609 and PC-117-20210609-FD (both from SDG 550-165171-

1), and samples E2-5-20210610 and E2-5-20210610-FD (both from SDG 550-165254-1), 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-116R 20210113	PC-116R 20210113-FD			
550-156311-1	Hexavalent chromium	0.0032 mg/L	0.0038 mg/L	17 (≤30)	-	-
	Nitrate as N	5.6 mg/L	5.7 mg/L	2 (≤30)	-	-
	Chlorate	13000 ug/L	13000 ug/L	0 (≤30)	-	-
	Perchlorate	14000 ug/L	14000 ug/L	0 (≤30)	-	-
	Total dissolved solids	2600 mg/L	2600 mg/L	0 (≤30)	-	-
	pH	7.48 SU	7.47 SU	0 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		ART-2/2A 20210113	ART-2/2A 20210113-FD			
550-156313-1	Hexavalent chromium	0.0043 mg/L	0.0041 mg/L	5 (≤30)	-	-
	Nitrate as N	1.7 mg/L	1.4 mg/L	19 (≤30)	-	-
	Chlorate	7700 ug/L	7100 ug/L	8 (≤30)	-	-
	Perchlorate	10000 ug/L	11000 ug/L	10 (≤30)	-	-
	Total dissolved solids	8400 mg/L	7500 mg/L	11 (≤30)	-	-
	pH	7.05 SU	7.04 SU	0 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		I-K 20210114	I-K 20210114-FD			
550-156429-1	Hexavalent chromium	2.6 mg/L	2.7 mg/L	4 (≤30)	-	-
	Nitrate as N	11 mg/L	11 mg/L	0 (≤30)	-	-
	Chlorate	760000 ug/L	760000 ug/L	0 (≤30)	-	-
	Perchlorate	290000 ug/L	280000 ug/L	4 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		I-K 20210114	I-K 20210114-FD			
550-156429-1	Total dissolved solids	6200 mg/L	6100 mg/L	2 (≤30)	-	-
	pH	7.38 SU	7.39 SU	0 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		E2-3 20210118	E2-3 20210118-FD			
550-156604-1	Hexavalent chromium	0.070 mg/L	0.075 mg/L	7 (≤30)	-	-
	Nitrate as N	24 mg/L	23 mg/L	4 (≤30)	-	-
	Chlorate	26000 ug/L	26000 ug/L	0 (≤30)	-	-
	Perchlorate	860000 ug/L	930000 ug/L	8 (≤30)	-	-
	Total dissolved solids	3600 mg/L	3400 mg/L	6 (≤30)	-	-
	pH	7.36 SU	7.36 SU	0 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		LVW7.2-1.0-20210119	LVW7.2-1.0-20210119-FD			
550-156916-1	Chlorate	98 ug/L	98 ug/L	0 (≤30)	-	-
	Perchlorate	0.79 ug/L	0.80 ug/L	1 (≤30)	-	-
	Total dissolved solids	1500 mg/L	1500 mg/L	0 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		LVW6.05-0.6-20210119	LVW6.05-0.6-20210119-FD			
550-156916-1	Chlorate	78 ug/L	80 ug/L	3 (≤30)	-	-
	Perchlorate	22 ug/L	21 ug/L	5 (≤30)	-	-
	Total dissolved solids	1300 mg/L	1300 mg/L	0 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		LVW0.55-1.0-20210120	LVW0.55-1.0-20210120-FD			
550-156916-1	Chlorate	99 ug/L	98 ug/L	1 (≤30)	-	-
	Perchlorate	52 ug/L	53 ug/L	2 (≤30)	-	-
	Total dissolved solids	1300 mg/L	1300 mg/L	0 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		PC-118-20210203	PC-118-20210203-FD			
550-157792-1	Nitrate as N	0.94 mg/L	0.94 mg/L	0 (≤30)	-	-
	Chlorate	650 ug/L	620 ug/L	5 (≤30)	-	-
	Perchlorate	1800 ug/L	1900 ug/L	5 (≤30)	-	-
	Total dissolved solids	1800 mg/L	1500 mg/L	18 (≤30)	-	-
	pH	7.34 units	7.36 units	0 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		ART-4-20210203	ART-4-20210203-FD			
550-157793-1	Hexavalent chromium	0.14 mg/L	0.14 mg/L	0 (≤30)	-	-
	Nitrate as N	14 mg/L	12 mg/L	15 (≤30)	-	-
	Chlorate	150000 ug/L	150000 ug/L	0 (≤30)	-	-
	Perchlorate	120000 ug/L	120000 ug/L	0 (≤30)	-	-
	Total dissolved solids	5700 mg/L	5000 mg/L	13 (≤30)	-	-
	pH	7.29 units	7.14 units	2 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		I-M 20210209	I-M 20210209-FD			
550-158182-1	Hexavalent chromium	5.5 mg/L	5.5 mg/L	0 (≤30)	-	-
	Nitrate as N	30 mg/L	32 mg/L	6 (≤30)	-	-
	Chlorate	1600000 ug/L	1500000 ug/L	6 (≤30)	-	-
	Perchlorate	400000 ug/L	400000 ug/L	0 (≤30)	-	-
	Total dissolved solids	5800 mg/L	5200 mg/L	11 (≤30)	-	-
	pH	7.57 units	7.63 units	1 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		E2-5-20210211	E2-5-20210211-FD			
550-158365-1	Hexavalent chromium	0.18 mg/L	0.17 mg/L	6 (≤30)	-	-
	Nitrate as N	83 mg/L	88 mg/L	6 (≤30)	-	-
	Chlorate	43000 ug/L	44000 ug/L	2 (≤30)	-	-
	Perchlorate	1200000 ug/L	1100000 ug/L	9 (≤30)	-	-
	Total dissolved solids	4000 mg/L	4100 mg/L	2 (≤30)	-	-
	pH	7.25 units	7.19 units	1 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		M-38-20210218	M-38-20210218-FD4			
550-158806-1	Hexavalent chromium	12000 ug/L	12000 ug/L	0 (≤30)	-	-
	Perchlorate	430000 ug/L	430000 ug/L	0 (≤30)	-	-
	Total dissolved solids	7100 mg/L	7200 mg/L	1 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		LVW7.2-1.1-20210215	LVW7.2-1.1-20210215-FD			
550-158924-1	Chlorate	56 ug/L	60 ug/L	7 (≤30)	-	-
	Perchlorate	2.0 ug/L	2.0 ug/L	0 (≤30)	-	-
	Total dissolved solids	1200 mg/L	1200 mg/L	0 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		LVW6.05-1.0-20210215	LVW6.05-1.0-20210215-FD			
550-158924-1	Chlorate	37 ug/L	39 ug/L	5 (≤30)	-	-
	Perchlorate	51 ug/L	44 ug/L	15 (≤30)	-	-
	Total dissolved solids	1400 mg/L	1400 mg/L	0 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		LVW0.55-1.0-20210215	LVW0.55-1.0-20210215-FD			
550-158924-1	Chlorate	92 ug/L	91 ug/L	1 (≤30)	-	-
	Perchlorate	71 ug/L	70 ug/L	1 (≤30)	-	-
	Total dissolved solids	1300 mg/L	1200 mg/L	8 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		PC-120-20210302	PC-120-20210302-FD			
550-159412-1	Perchlorate	4.1 ug/L	4.9 ug/L	18 (≤30)	-	-
	Total dissolved solids	1500 mg/L	1500 mg/L	0 (≤30)	-	-
	pH	7.77 SU	7.73 SU	1 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		ART-8A-20210302	ART-8A-20210302-FD			
550-159413-1	Hexavalent chromium	0.078 mg/L	0.075 mg/L	4 (≤30)	-	-
	Nitrate as N	15 mg/L	8.4 mg/L	56 (≤30)	J (all detects)	A
	Chlorate	30000 ug/L	57000 ug/L	62 (≤30)	J (all detects)	A
	Perchlorate	68000 ug/L	69000 ug/L	1 (≤30)	-	-
	Total dissolved solids	8200 mg/L	7700 mg/L	6 (≤30)	-	-
	pH	7.45 SU	7.45 SU	0 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		E1-2 20210308	E1-2 20210308-FD			
550-159757-1	Hexavalent chromium	0.44 mg/L	0.45 mg/L	2 (≤30)	-	-
	Nitrate as N	93 mg/L	83 mg/L	11 (≤30)	-	-
	Chlorate	150000 ug/L	140000 ug/L	7 (≤30)	-	-
	Perchlorate	1100000 ug/L	1100000 ug/L	0 (≤30)	-	-
	Total dissolved solids	5700 mg/L	5000 mg/L	13 (≤30)	-	-
	pH	6.26 SU	6.84 SU	9 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		I-O 20210310	I-O 20210310-FD			
550-159917-1	Hexavalent chromium	12 mg/L	12 mg/L	0 (≤30)	-	-
	Nitrate as N	51 mg/L	49 mg/L	4 (≤30)	-	-
	Chlorate	2200000 ug/L	2400000 ug/L	9 (≤30)	-	-
	Perchlorate	610000 ug/L	580000 ug/L	5 (≤30)	-	-
	Total dissolved solids	7100 mg/L	7100 mg/L	0 (≤30)	-	-
	pH	7.58 SU	7.58 SU	0 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		LVW7.2-1.0-20210317	LVW7.2-1.0-20210317-FD			
550-160318-1	Chlorate	77 ug/L	77 ug/L	0 (≤30)	-	-
	Perchlorate	1.8 ug/L	1.7 ug/L	6 (≤30)	-	-
	Total dissolved solids	1300 mg/L	1400 mg/L	7 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		LVW6.05-0.6-20210317	LVW6.05-0.6-20210317-FD			
550-160318-1	Chlorate	110 ug/L	110 ug/L	0 (≤30)	-	-
	Perchlorate	35 ug/L	34 ug/L	3 (≤30)	-	-
	Total dissolved solids	1400 mg/L	1300 mg/L	7 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		LVW0.55-1.1-20210316	LVW0.55-1.1-20210316-FD			
550-160318-1	Chlorate	150 ug/L	150 ug/L	0 (≤30)	-	-
	Perchlorate	46 ug/L	45 ug/L	2 (≤30)	-	-
	Total dissolved solids	1300 mg/L	1400 mg/L	7 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		I-Q-20210401	I-Q-20210401-FD			
550-161082-1	Hexavalent chromium	16 mg/L	16 mg/L	0 (≤30)	-	-
	Nitrate as N	62 mg/L	63 mg/L	2 (≤30)	-	-
	Chlorate	2200000 ug/L	1700000 ug/L	26 (≤30)	-	-
	Perchlorate	570000 ug/L	570000 ug/L	0 (≤30)	-	-
	Total dissolved solids	7300 mg/L	9100 mg/L	22 (≤30)	-	-
	pH	7.40 SU	7.40 SU	0 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		E2-1-20210405	E2-1-20210405-FD			
550-161229-1	Hexavalent chromium	0.028 mg/L	0.029 mg/L	4 (≤30)	-	-
	Nitrate as N	13 mg/L	14 mg/L	7 (≤30)	-	-
	Chlorate	8100 ug/L	12000 ug/L	39 (≤30)	J (all detects)	A
	Perchlorate	110000 ug/L	83000 ug/L	28 (≤30)	-	-
	Total dissolved solids	2800 mg/L	2900 mg/L	4 (≤30)	-	-
	pH	7.33 SU	7.37 SU	1 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		PC-150-20210406	PC-150-20210406-FD			
550-161332-1	Hexavalent chromium	0.041 mg/L	0.041 mg/L	0 (≤30)	-	-
	Nitrate as N	9.9 mg/L	17 mg/L	53 (≤30)	J (all detects)	A
	Chlorate	44000 ug/L	44000 ug/L	0 (≤30)	-	-
	Perchlorate	46000 ug/L	50000 ug/L	8 (≤30)	-	-
	Total dissolved solids	4300 mg/L	4600 mg/L	7 (≤30)	-	-
	pH	7.52 SU	7.40 SU	2 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		PC-133-20210406	PC-133-20210406-FD			
550-161333-1	Nitrate as N	0.19 mg/L	0.094 mg/L	68 (≤30)	J (all detects)	A
	Chlorate	35 ug/L	34 ug/L	3 (≤30)	-	-
	Perchlorate	760 ug/L	820 ug/L	8 (≤30)	-	-
	Total dissolved solids	1900 mg/L	1900 mg/L	0 (≤30)	-	-
	pH	7.38 SU	7.90 SU	7 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		LVW7.2-1.0-20210416	LVW7.2-1.0-20210416-FD			
550-162124-1	Chlorate	120 ug/L	120 ug/L	0 (≤30)	-	-
	Perchlorate	1.3 ug/L	1.3 ug/L	0 (≤30)	-	-
	Total dissolved solids	1100 mg/L	1100 mg/L	0 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		LVW6.05-0.7-20210416	LVW6.05-0.7-20210416-FD			
550-162124-1	Chlorate	120 ug/L	120 ug/L	0 (≤30)	-	-
	Perchlorate	8.0 ug/L	7.7 ug/L	4 (≤30)	-	-
	Total dissolved solids	1300 mg/L	1300 mg/L	0 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		LVW0.55-1.2-20210416	LVW0.55-1.2-20210416-FD			
550-162124-1	Chlorate	170 ug/L	170 ug/L	0 (≤30)	-	-
	Perchlorate	47 ug/L	48 ug/L	2 (≤30)	-	-
	Total dissolved solids	1300 mg/L	1400 mg/L	7 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		LVWPS-MW224B-20210426	LVWPS-MW224B-20210426-FD18			
550-162595-1	Chlorate	400 ug/L	400 ug/L	0 (≤30)	-	-
	Perchlorate	290 ug/L	300 ug/L	3 (≤30)	-	-
	Total dissolved solids	5600 mg/L	5700 mg/L	2 (≤30)	-	-

SDG	Analyte	Concentration (ug/L)		RPD (Limits)	Flag	A or P
		ES-47-20210426	ES-47-20210426-FD20			
550-162595-1	Chlorate	2000	2200	10 (≤30)	-	-
	Perchlorate	1800	1900	5 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		LVWPS-MW105-20210426	LVWPS-MW105-20210426-FD19			
550-162595-1	Chlorate	45000 ug/L	45000 ug/L	0 (≤30)	-	-
	Perchlorate	6000 ug/L	5800 ug/L	3 (≤30)	-	-
	Total dissolved solids	5200 mg/L	5500 mg/L	6 (≤30)	-	-

SDG	Analyte	Concentration (ug/L)		RPD (Limits)	Flag	A or P
		ES-18-20210427	ES-18-20210427-FD21			
550-162691-1	Chlorate	34	100U	200 (≤30)	NQ	-
	Perchlorate	1.6	1.7	6 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		PC-191-20210428	PC-191-20210428-FD5			
550-162775-1	Nitrate as N	15 mg/L	16 mg/L	6 (≤30)	-	-
	Chlorate	8000 ug/L	7000 ug/L	13 (≤30)	-	-
	Perchlorate	53000 ug/L	51000 ug/L	4 (≤30)	-	-
	Total dissolved solids	5100 mg/L	4700 mg/L	8 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		M-212-20210429	M-212-20210429-FD7			
550-162864-1	Nitrate as N	5.8 mg/L	5.8 mg/L	0 (≤30)	-	-
	Chlorate	210000 ug/L	220000 ug/L	5 (≤30)	-	-
	Perchlorate	250000 ug/L	250000 ug/L	0 (≤30)	-	-
	Total dissolved solids	2000 mg/L	2000 mg/L	0 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		M-23-20210429	M-23-20210429-FD6			
550-162864-1	Nitrate as N	23 mg/L	23 mg/L	0 (≤30)	-	-
	Chlorate	74000 ug/L	69000 ug/L	7 (≤30)	-	-
	Perchlorate	100000 ug/L	99000 ug/L	1 (≤30)	-	-
	Total dissolved solids	3600 mg/L	3500 mg/L	3 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		M-160-20210430	M-160-20210430-FD12			
550-162924-1	Nitrate as N	5.4 mg/L	5.5 mg/L	2 (≤30)	-	-
	Chlorate	1600 ug/L	1700 ug/L	6 (≤30)	-	-
	Perchlorate	11000 ug/L	11000 ug/L	0 (≤30)	-	-
	Total dissolved solids	3900 mg/L	4300 mg/L	10 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		M-66-20210430	M-66-20210430-FD8			
550-162924-1	Chlorate	2900000 ug/L	2600000 ug/L	11 (≤30)	-	-
	Perchlorate	760000 ug/L	760000 ug/L	0 (≤30)	-	-
	Total dissolved solids	8900 mg/L	8800 mg/L	1 (≤30)	-	-

SDG	Analyte	Concentration (mg/L)		RPD (Limits)	Flag	A or P
		M-66-20210430DL	M-66-20210430-FD8DL			
550-162924-1	Nitrate as N	92	96	4 (≤30)	-	-

SDG	Analyte	Concentration (mg/L)		RPD (Limits)	Flag	A or P
		TR-5-20210503	TR-5-20210503-FD10			
550-163037-1	Nitrate as N	0.97	1.1	13 (≤30)	-	-
	Total dissolved solids	730	650	12 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		M-150-20210503	M-150-20210503-FD9			
550-163037-1	Nitrate as N	2.2 mg/L	2.2 mg/L	0 (≤30)	-	-
	Chlorate	51 ug/L	56 ug/L	9 (≤30)	-	-
	Perchlorate	26 ug/L	27 ug/L	4 (≤30)		
	Total dissolved solids	450 mg/L	430 mg/L	5 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		M-121-20210504	M-121-20210504-FD11			
550-163185-1	Nitrate as N	17 mg/L	17 mg/L	0 (≤30)	-	-
	Chlorate	8500 ug/L	9900 ug/L	15 (≤30)	-	-
	Perchlorate	1600 ug/L	1500 ug/L	6 (≤30)	-	-
	Total dissolved solids	3700 mg/L	3800 mg/L	3 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		M-31A-20210504	M-31A-20210504-FD13			
550-163185-1	Nitrate as N	1.8 mg/L	1.1 mg/L	48 (≤30)	J (all detects)	A
	Chlorate	140000 ug/L	15000 ug/L	161 (≤30)	J (all detects)	A
	Perchlorate	16000 ug/L	7700 ug/L	70 (≤30)	J (all detects)	A

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		M-31A-20210504	M-31A-20210504-FD13			
550-163185-1	Total dissolved solids	850 mg/L	660 mg/L	25 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		MC-7-20210505	MC-7-20210505-FD17			
550-163268-1	Nitrate as N	0.26 mg/L	1.5 mg/L	141 (≤30)	J (all detects)	A
	Chlorate	400U ug/L	150 ug/L	200 (≤30)	NQ	-
	Perchlorate	270 ug/L	2000 ug/L	152 (≤30)	J (all detects)	A
	Total dissolved solids	8700 mg/L	8100 mg/L	7 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		M-25-20210505	M-25-20210505-FD15			
550-163268-1	Nitrate as N	16 mg/L	16 mg/L	0 (≤30)	-	-
	Chlorate	1200000 ug/L	1100000 ug/L	9 (≤30)	-	-
	Perchlorate	240000 ug/L	260000 ug/L	8 (≤30)	-	-
	Total dissolved solids	5100 mg/L	5200 mg/L	2 (≤30)	-	-

SDG	Analyte	Concentration (ug/L)		RPD (Limits)	Flag	A or P
		ES-4-20210506	ES-4-20210506-FD22			
550-163375-1	Chlorate	270000	280000	4 (≤30)	-	-
	Perchlorate	35000	36000	3 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		PC-94-20210506	PC-94-20210506-FD14			
550-163375-1	Nitrate as N	5.7 mg/L	5.8 mg/L	2 (≤30)	-	-
	Chlorate	15000 ug/L	14000 ug/L	7 (≤30)	-	-
	Perchlorate	4900 ug/L	4800 ug/L	2 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		PC-94-20210506	PC-94-20210506-FD14			
550-163375-1	Total dissolved solids	3400 mg/L	3400 mg/L	0 (≤30)	-	-

SDG	Analyte	Concentration (ug/L)		RPD (Limits)	Flag	A or P
		DBMW-17-20210507	DBMW-17-20210507-FD23			
550-163444-1	Chlorate	110	100	10 (≤30)	-	-
	Perchlorate	6.8	6.8	0 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		LVW7.2-1.0-20210506	LVW7.2-1.0-20210506-FD			
550-163446-1	Chlorate	90 ug/L	94 ug/L	4 (≤30)	-	-
	Perchlorate	1.7 ug/L	1.7 ug/L	0 (≤30)	-	-
	Total dissolved solids	1500 mg/L	1400 mg/L	7 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		LVW6.05-0.7-20210506	LVW6.05-0.7-20210506-FD			
550-163446-1	Chlorate	79 ug/L	79 ug/L	0 (≤30)	-	-
	Perchlorate	10 ug/L	10 ug/L	0 (≤30)	-	-
	Total dissolved solids	1300 mg/L	1400 mg/L	7 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		LVW6.05-0.7-20210506	LVW6.05-0.7-20210506-FD			
550-163446-1	Chlorate	150 ug/L	130 ug/L	14 (≤30)	-	-
	Perchlorate	35 ug/L	39 ug/L	11 (≤30)	-	-
	Total dissolved solids	1400 mg/L	1200 mg/L	15 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		E2-3-20210510	E2-3-20210510-FD			
550-163494-1	Hexavalent chromium	0.073 mg/L	0.072 mg/L	1 (≤30)	-	-
	Nitrate as N	38 mg/L	39 mg/L	3 (≤30)	-	-
	Chlorate	27000 ug/L	24000 ug/L	12 (≤30)	-	-
	Perchlorate	750000 ug/L	830000 ug/L	10 (≤30)	-	-
	Total dissolved solids	4700 mg/L	3600 mg/L	27 (≤30)	-	-
	pH	7.42 SU	7.42 SU	0 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		I-S-20210511	I-S-20210511-FD			
550-163600-1	Hexavalent chromium	1.7 mg/L	1.7 mg/L	0 (≤30)	-	-
	Nitrate as N	46 mg/L	46 mg/L	0 (≤30)	-	-
	Chlorate	410000 ug/L	490000 ug/L	18 (≤30)	-	-
	Perchlorate	390000 ug/L	340000 ug/L	14 (≤30)	-	-
	Total dissolved solids	4100 mg/L	4400 mg/L	7 (≤30)	-	-
	pH	7.39 SU	7.39 SU	0 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		ART-2/2A-20210512	ART-2/2A-20210512-FD			
550-163666-1	Hexavalent chromium	0.0046 mg/L	0.0038 mg/L	19 (≤30)	-	-
	Nitrate as N	1.3 mg/L	1.4 mg/L	7 (≤30)	-	-
	Chlorate	5600 ug/L	5500 ug/L	2 (≤30)	-	-
	Perchlorate	12000 ug/L	12000 ug/L	0 (≤30)	-	-
	Total dissolved solids	8200 mg/L	8200 mg/L	0 (≤30)	-	-
	pH	7.65 SU	7.65 SU	0 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		PC-115R-20210512	PC-115R-20210512-FD			
550-163667-1	Nitrate as N	0.71 mg/L	0.93 mg/L	27 (≤30)	-	-
	Chlorate	980 ug/L	920 ug/L	6 (≤30)	-	-
	Perchlorate	2300 ug/L	3000 ug/L	26 (≤30)	-	-
	Total dissolved solids	1400 mg/L	1600 mg/L	13 (≤30)	-	-
	pH	7.31 SU	7.33 SU	0 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		M-80-20210513	M-80-20210513-FD4			
550-163782-1	Hexavalent chromium	4100 ug/L	4100 ug/L	0 (≤30)	-	-
	Nitrate as N	93 mg/L	75 mg/L	21 (≤30)	-	-
	Chlorate	1100000 ug/L	1100000 ug/L	0 (≤30)	-	-
	Perchlorate	610000 ug/L	610000 ug/L	0 (≤30)	-	-
	Total dissolved solids	6400 mg/L	6200 mg/L	3 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		PC-158-20210527	PC-158-20210527-FD16			
550-164543-1	Nitrate as N	13 mg/L	12 mg/L	8 (≤30)	-	-
	Chlorate	9400 ug/L	8900 ug/L	5 (≤30)	-	-
	Perchlorate	56000 ug/L	58000 ug/L	4 (≤30)	-	-
	Total dissolved solids	4400 mg/L	4100 mg/L	7 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		I-U-20210608	I-U-20210608-FD			
550-165089-1	Hexavalent chromium	15000 ug/L	15000 ug/L	0 (≤30)	-	-
	Nitrate as N	97 mg/L	94 mg/L	3 (≤30)	-	-
	Chlorate	3200000 ug/L	3200000 ug/L	0 (≤30)	-	-
	Perchlorate	910000 ug/L	870000 ug/L	4 (≤30)	-	-
	Total dissolved solids	9000 mg/L	9500 mg/L	5 (≤30)	-	-
	pH	7.24 SU	7.23 SU	0 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		LVW8.85-0.5-20210608	LVW8.85-0.5-20210608-FD			
550-165143-1	Chlorate	130 ug/L	120 ug/L	8 (≤30)	-	-
	Total dissolved solids	1100 mg/L	1100 mg/L	0 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		LVW7.2-1.2-20210608	LVW7.2-1.2-20210608-FD			
550-165143-1	Chlorate	110 ug/L	120 ug/L	9 (≤30)	-	-
	Total dissolved solids	1100 mg/L	1100 mg/L	0 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		LVW6.05-0.6-20210608	LVW6.05-0.6-20210608-FD			
550-165143-1	Chlorate	100 ug/L	100 ug/L	0 (≤30)	-	-
	Perchlorate	18 ug/L	19 ug/L	5 (≤30)	-	-
	Total dissolved solids	1300 mg/L	1300 mg/L	0 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		ART-4-20210609	ART-4-20210609-FD			
550-165167-1	Hexavalent chromium	230 ug/L	210 ug/L	9 (≤30)	-	-
	Nitrate as N	14 mg/L	14 mg/L	0 (≤30)	-	-
	Chlorate	150000 ug/L	150000 ug/L	0 (≤30)	-	-
	Perchlorate	120000 ug/L	130000 ug/L	8 (≤30)	-	-
	Total dissolved solids	4800 mg/L	4900 mg/L	2 (≤30)	-	-
	pH	7.37 SU	7.37 SU	0 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		PC-117-20210609	PC-117-20210609-FD			
550-165171-1	Hexavalent chromium	4.1 ug/L	4.1 ug/L	0 (≤30)	-	-
	Nitrate as N	4.3 mg/L	3.7 mg/L	15 (≤30)	-	-
	Chlorate	8300 ug/L	11000 ug/L	28 (≤30)	-	-
	Perchlorate	8200 ug/L	8700 ug/L	6 (≤30)	-	-
	Total dissolved solids	2300 mg/L	2000 mg/L	14 (≤30)	-	-
	pH	6.90 SU	6.91 SU	0 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		E2-5-20210610	E2-5-20210610-FD			
550-165254-1	Hexavalent chromium	250 ug/L	270 ug/L	8 (≤30)	-	-
	Nitrate as N	89 mg/L	92 mg/L	3 (≤30)	-	-
	Chlorate	71000 ug/L	72000 ug/L	1 (≤30)	-	-
	Perchlorate	1200000 ug/L	1200000 ug/L	0 (≤30)	-	-
	Total dissolved solids	4300 mg/L	4300 mg/L	0 (≤30)	-	-
	pH	6.95 SU	6.95 SU	0 (≤30)	-	-

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

IX. Target Analyte Quantitation

All target analyte quantitation were acceptable with the following exceptions:

SDG	Sample	Analyte	Finding	Criteria	Flag	A or P
550-156313-1	ART-9 20210113	Nitrate as N	Sample result exceeded calibration range.	Reported result should be within calibration range.	J (all detects)	P

Raw data were not reviewed for Stage 2A validation.

X. 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
550-156196-1	I-AB 20210112 I-B 20210112	Nitrate as N	Results exceeded calibration range.	Do not report	-
550-156604-1	E2-4 20210118-EB	Nitrate as N	Analyzed outside holding time.	Do not report	-
550-159995-1	I-V 20210311	Nitrate as N	Results exceeded calibration range.	Do not report	-
550-159996-1	I-AB - 20210311	Nitrate as N	Results exceeded calibration range.	Do not report	-
550-162924-1	M-11-20210430-FB4 M-11-20210430	Hexavalent chromium	Analyzed outside holding time.	Do not report	-
550-162924-1	M-65-20210430 M-72-20210430 M-66-20210430 M-66-20210430-FD8 M-22A-20210430 M-70-20210430 M-140-20210430	Nitrate as N	Results exceeded calibration range.	Do not report	-
550-163494-2	E1-1-20210510RE1 E1-3-20210510RE1 E1-1-20210510RE2 E1-3-20210510RE2	Chlorate	Analyzed outside holding time.	Do not report	-

SDG	Sample	Analyte	Reason	Flag	A or P
550-163667-2	PC-115R-20210512RE1 PC-115R-20210512RE2	Nitrate as N	Analyzed outside holding time.	Do not report	-
550-163776-1	I-V-20210513	Nitrate as N	Results exceeded calibration range.	Do not report	-
550-163906-2	E2-2-202105RE1 E2-2-202105RE2	Nitrate as N	Analyzed outside holding time.	Do not report	-
550-164588-1	MW-K4-20210528RE PC-101R-20210528RE ARP-3A-20210528RE ARP-2A-20210528RE ARP-2A-20210528-EB14RE PC-134A-20210528RE PC-134A-20210528-EB15RE PC-145-20210528RE PC-144-20210528RE ARP-6B-20210528RE	Nitrate as N	Analyzed outside holding time.	Do not report	-
550-165167-1	ART-3A-20210609 ART-8A-20210609	Hexavalent chromium	Do not report	-	

Due to technical holding time, one nitrate as N result was rejected in one sample.

Due to technical holding time, surrogate %R, MS/MSD %R and RPD, DUP RPD, field duplicate RPD and results exceeding the calibration range, three hundred and thirty-four results were qualified as estimated in two hundred and forty-one samples.

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

NERT GWM Performance Sampling, January 2021 - July 2021
Wet Chemistry - Data Qualification Summary - SDGs 550-156195-1, 550-156196-1, 550-156311-1, 550-156313-1, 550-156429-1, 550-156430-1, 550-156604-1, 550-156606-1, 550-156916-1, 550-157792-1, 550-157793-1, 550-158070-1, 550-158182-1, 550-158183-1, 550-158364-1, 550-158365-1, 550-158700-1, 550-158806-1, 550-158807-1, 550-158924-1, 550-159412-1, 550-159413-1, 550-159757-1, 550-159917-1, 550-159919-1, 550-159995-1, 550-159996-1, 550-160318-1, 550-161080-1, 550-161081-1, 550-161082-1, 550-161229-1, 550-161332-1, 550-161333-1, 550-161606-1, 550-162124-1, 550-162595-1, 550-162691-1, 550-162775-1, 550-162864-1, 550-162924-1, 550-163037-1, 550-163185-1, 550-163268-1, 550-163375-1, 550-163444-1, 550-163446-1, 550-163494-1, 550-163494-2, 550-163495-1, 550-163599-1, 550-163600-1, 550-163602-1, 550-163662-1, 550-163666-1, 550-163667-1, 550-163667-2, 550-163678-1, 550-163776-1, 550-163780-1, 550-163782-1, 550-163841-1, 550-163906-1, 550-163906-2, 550-164463-1, 550-164543-1, 550-164588-1, 550-164832-1, 550-165089-1, 550-165090-1, 550-165143-1, 550-165167-1, 550-165171-1, 550-165254-1, 550-165499-1, 550-166351-1, 550-167089-1, 550-167224-1, 550-167297-1, 550-167354-1, 550-167638-1, 550-167691-1

SDG	Sample	Analyte	Flag	A or P	Reason (Code)
550-156196-1	I-AB 20210112DL I-B 20210112DL	Nitrate as N	J- (all detects)	A	Technical holding time (h)
550-158182-1	I-N 20210209-EB	Nitrate as N	UJ (all non-detects)	P	Technical holding times (h)
550-158924-1	LVW8.85-0.4-20210215 LVW7.2-1.1-20210215 LVW7.2-1.1-20210215-FD LVW6.6-1-1.5-20210215 LVW6.6-2-2.7-20210215 LVW6.6-3-0.8-20210215 LVW6.05-1.0-20210215 LVW6.05-1.0-20210215-FD LVW6.05-20210215-FB C1-E-0.0-20210215 C1-W-0.0-20210215 LVW5.3-1-3.0-20210215 LVW5.3-2-0.9-20210215 LVW5.3-3-0.8-20210215 LVW5.3-4-0.4-20210215 LVW5.3-5-0.5-20210215 LVW5.3-6-0.8-20210215 LVW0.55-1.0-20210215 LVW0.55-1.0-20210215-FD LVW0.55-20210215-FB	Total dissolved solids	J- (all detects) UJ (all non-detects)	P	Technical holding times (h)
550-159917-1	I-P 20210310-EB	Nitrate as N	R (all non-detects)	P	Technical holding times (h)
550-159995-1	I-V 20210311DL	Nitrate as N	J- (all detects)	P	Technical holding times (h)
550-159996-1	I-AB - 20210311DL	Nitrate as N	J- (all detects)	P	Technical holding times (h)

SDG	Sample	Analyte	Flag	A or P	Reason (Code)
550-162924-1	M-65-20210430DL M-72-20210430DL M-66-20210430DL M-66-20210430-FD8DL M-22A-20210430DL M-70-20210430DL M-140-20210430DL	Nitrate as N	J- (all detects)	A	Technical holding times (h)
550-163776-1	I-V-20210513DL	Nitrate as N	J- (all detects)	A	Technical holding times (h)
550-156916-1	LVW4.2-3-2.8-20210120 LVW3.5-3-1.7-20210120	Chlorate	J+ (all detects)	P	Surrogates (%R) (s)
550-158924-1	LVW3.5-6-1.7-20210216	Chlorate	J+ (all detects)	P	Surrogates (%R) (s)
550-156429-1	I-AD 20210114 I-K 20210114 I-J 20210114 I-I 20210114 I-V 20210114	Nitrate as N	J+ (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
550-156430-1	I-Q 20210114 I-G 20210114 I-T 20210114 I-U 20210114 I-H 20210114 I-W 20210114	Nitrate as N	J+ (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
550-156916-1	LVW0.55-1.0-20210120 LVW4.75-4-1.1-20210120 LVW4.75-5-0.9-20210120 LVW4.2-4-1.6-20210120	Chlorate	J- (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
550-158070-1	I-O 20210208 I-W 20210208	Chlorate	J+ (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
550-158183-1	I-L-20210209 I-S-20210209 I-AR-20210209	Chlorate	J- (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
550-158364-1	I-J-20210211 I-Z-20210211 I-I-20210211	Nitrate as N	J- (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
550-158364-1	I-V-20210211	Nitrate as N	J+ (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
550-158364-1	I-AC-20210211 I-AD-20210211 I-K-20210211 I-J-20210211 I-Z-20210211 I-I-20210211 I-V-20210211	Chlorate	J- (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)

SDG	Sample	Analyte	Flag	A or P	Reason (Code)
550-158365-1	E1-3-20210211 E2-1-20210211	Nitrate as N	J- (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
550-158365-1	E2-3-20210211 E2-4-20210211	Nitrate as N	J+ (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
550-158365-1	E1-1-20210211 E1-2-20210211 E1-3-20210211 E2-1-20210211 E2-2-20210211 E2-3-20210211	Chlorate	J- (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
550-158807-1	M-10-20210218	Chloride	J- (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
550-158924-1	LVW8.85-0.4-20210215 LVW7.2-1.1-20210215 LVW7.2-1.1-20210215-FD LVW6.6-1-1.5-20210215 LVW6.6-2-2.7-20210215 LVW6.6-3-0.8-20210215 LVW6.05-1.0-20210215 LVW6.05-1.0-20210215-FD C1-E-0.0-20210215 C1-W-0.0-20210215 LVW5.3-1-3.0-20210215 LVW5.3-2-0.9-20210215 LVW5.3-3-0.8-20210215	Chlorate	J+ (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
550-158924-1	LVW5.3-4-0.4-20210215 LVW5.3-5-0.5-20210215 LVW5.3-6-0.8-20210215 LVW4.75-1-0.8-20210216 LVW4.75-2-1.2-20210216 LVW4.75-3-0.8-20210216 LVW4.75-4-1.3-20210216 LVW4.75-5-1.0-20210216 LVW4.2-1-1.5-20210216 LVW4.2-2-2.0-20210216 LVW4.2-3-3.5-20210216 LVW4.2-4-1.6-20210216 LVW3.5-1-1.4-20210216 LVW0.55-1.0-20210215 LVW0.55-1.0-20210215-FD	Chlorate	J- (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
550-159917-1	I-O 20210310-FD	Chlorate	J- (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
550-159919-1	I-C 20210310 I-F 20210310 I-X 20210310 I-N 20210310 I-E 20210310 I-M 20210310 I-D 20210310	Chlorate	J- (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)

SDG	Sample	Analyte	Flag	A or P	Reason (Code)
550-161081-1	I-F-20210401 I-X-20210401 I-N-20210401 I-E-20210401 I-M-20210401 I-D-20210401	Chlorate	J- (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
550-161082-1	I-Q-20210401 I-G-20210401	Chlorate	J- (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
550-161229-1	E2-3-20210405 E2-4-20210405 E2-5-20210405 E2-1-20210405-FD	Chlorate	J+ (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
550-161332-1	ART-1A-20210406 ART-2/2A-20210406	Chlorate	J+ (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
550-161333-1	PC-133-20210406 PC-133-20210406-FD	Chlorate	J+ (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
550-162595-1	PC-136-20210426 PC-137-20210426 PC-137D-20210426	Nitrate as N	J- (all detects) UJ (all non-detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
550-162595-1	ES-47-20210426-FD20 ES-48-20210426 ES-51-20210426 ES-52-20210426 LVWPS-MW105-20210426 LVWPS-MW105-20210426-FD19	Chlorate	J+ (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
550-162691-1	PC-130-20210427 PC-152-20210427 M-137-20210427 M-138-20210427 M-144-20210427 TR-8-20210427	Chlorate	J+ (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
550-162775-1	MW-4-20210428 MW-3-20210428 MW-20-20210428 M-13-20210428 MW-K5-20210428 PC-98R-20210428 ES-8A-20210428 MC-65R2-20210428 H-58R-20210428 PC-2-20210428 PC-191-20210428 PC-191-20210428-FD5 PC-53-20210428 ES-10-20210428 PC-71-20210428 H-56R-20210428 MC-97-20210428 PC-188-20210428 TR-11-20210428 M-191-20210428	Chlorate	J+ (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)

SDG	Sample	Analyte	Flag	A or P	Reason (Code)
550-162775-1	ES-10-20210428 PC-71-20210428 PC-72-20210428 MC-97-20210428 PC-188-20210428 PC-189-20210428 TR-11-20210428	Perchlorate	J- (all detects) UJ (all non-detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
550-162924-1	M-260-20210430 TR-4-20210430 M-70-20210430 M-140-20210430 UFMW-01D-20210430	Chlorate	J- (all detects) UJ (all non-detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
550-163037-1	UFMW-03D-20210503 TR-6-20210503 NERT4.21N1-20210503 ES-26-20210503 M-150-20210503	Chlorate	J+ (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
550-163268-1	M-19-20210505 M-182-20210505 M-133-20210505 M-165-20210505 M-2A-20210505 LVWPS-MW201A-20210505 LVWPS-MW201B-20210505 M-95-20210505 M-92-20210505 DFW-06-20210505 NERT4.64S1-20210505	Chlorate	J+ (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
550-163375-1	M-153-20210506 M-145-20210506 M-268-20210506 M-267-20210506 M-214-20210506 SWFTS-MW08C-20210506 PC-40R-20210506 PC-198-20210506 PC-199-20210506 M-135-20210506	Nitrate as N	J- (all detects) UJ (all non-detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
550-163375-1	SWFTS-MW08C-20210506 PC-40R-20210506	Chlorate	J+ (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
550-163446-1	LVW4.2-1-1.8-20210507 LVW4.2-2-2.4-20210507 LVW4.2-3-3.3-20210507 LVW4.2-4-2.2-20210507 LVW3.5-1-1.3-20210507 LVW3.5-2-1.0-20210507 LVW3.5-3-1.7-20210507 LVW3.5-4-1.8-20210507 LVW3.5-5-1.8-20210507 LVW3.5-6-1.8-20210507 LVW0.55-1.1-20210507 LVW5.3-1-2.6-20210507	Chlorate	J (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)

SDG	Sample	Analyte	Flag	A or P	Reason (Code)
550-163600-1	I-S-20210511 I-S-20210511-FD I-AR-20210511	Nitrate as N	J+ (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
550-163600-1	I-S-20210511 I-S-20210511-FD	Chlorate	J- (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
550-163602-1	M-115-20210511 M-132-20210511 M-74-20210511 M-81A-20210511 M-83-20210511	Nitrate as N	J+ (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
550-163666-1	ART-3A-20210512	Chlorate	J- (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
550-163666-1	ART-2/2A-20210512 ART-3A-20210512 ART-4-20210512 ART-7B-20210512 ART-8A-20210512 ART-9-20210512 PC-150-20210512 ART-2/2A-20210512-FD	Perchlorate	J+ (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
550-163667-1	PC-116R-20210512	Chlorate	J- (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
550-163667-1	PC-99R2/R3-20210512 PC-115R-20210512 PC-116R-20210512 PC-117-20210512 PC-118-20210512 PC-119-20210512 PC-120-20210512 PC-121-20210512 PC-133-20210512	Perchlorate	J+ (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
550-163667-1	PC-117-20210512 PC-118-20210512 PC-119-20210512 PC-120-20210512 PC-121-20210512 PC-133-20210512 PC-115R-20210512-FD	Nitrate as N	J- (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
550-163678-1	M-73-20210512 M-155-20210512 M-151-20210512	Nitrate as N	J- (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
550-163776-1	I-AC-20210513 I-AD-20210513 I-J-20210513 I-Z-20210513	Chlorate	J- (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
550-163780-1	I-G-20210513 I-O-20210513	Chlorate	J- (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)

SDG	Sample	Analyte	Flag	A or P	Reason (Code)
550-165254-1	E1-1-20210610 E1-2-20210610 E1-3-20210610 E2-1-20210610 E2-2-20210610 E2-3-20210610 E2-4-20210610 E2-5-20210610 E2-5-20210610-FD	Hexavalent chromium	J+ (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
550-165254-1	E2-4-20210610 E2-5-20210610 E2-5-20210610-FD	Chlorate	J+ (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
550-167297-1	PC-157A-20210716 PC-157B-20210716	Nitrate as N	J- (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
550-161081-1	I-F-20210401 I-X-20210401 I-N-20210401 I-E-20210401 I-M-20210401 I-D-20210401	Chlorate	J (all detects)	A	Matrix spike/Matrix spike duplicate (RPD) (ld)
550-161082-1	I-Q-20210401 I-G-20210401	Chlorate	J (all detects)	A	Matrix spike/Matrix spike duplicate (RPD) (ld)
550-163375-1	M-153-20210506 M-145-20210506 M-268-20210506 M-267-20210506 M-214-20210506 SWFTS-MW08C-20210506 PC-40R-20210506 PC-198-20210506 PC-199-20210506 M-135-20210506	Nitrate as N	J (all detects) UJ (all non-detects)	A	Matrix spike/Matrix spike duplicate (RPD) (ld)
550-163446-1	LVW4.2-1-1.8-20210507 LVW4.2-2-2.4-20210507 LVW4.2-3-3.3-20210507 LVW4.2-4-2.2-20210507 LVW3.5-1-1.3-20210507 LVW3.5-2-1.0-20210507 LVW3.5-3-1.7-20210507 LVW3.5-4-1.8-20210507 LVW3.5-5-1.8-20210507 LVW3.5-6-1.8-20210507 LVW0.55-1.1-20210507 LVW5.3-1-2.6-20210507	Chlorate	J (all detects)	A	Matrix spike/Matrix spike duplicate (RPD) (ld)
550-163666-1	ART-3A-20210512	Chlorate	J (all detects)	A	Matrix spike/Matrix spike duplicate (RPD) (ld)
550-163667-1	PC-116R-20210512	Chlorate	J (all detects)	A	Matrix spike/Matrix spike duplicate (RPD) (ld)

SDG	Sample	Analyte	Flag	A or P	Reason (Code)
550-163780-1	I-G-20210513 I-O-20210513	Chlorate	J (all detects)	A	Matrix spike/Matrix spike duplicate (RPD) (ld)
550-167297-1	PC-157A-20210716 PC-157B-20210716	Nitrate as N	J (all detects)	A	Matrix spike/Matrix spike duplicate (RPD) (ld)
550-164832-1	I-AR-20210603	Total dissolved solids	J (all detects)	A	Duplicate sample analysis (RPD) (ld)
550-159413-1	ART-8A-20210302 ART-8A-20210302-FD	Nitrate as N Chlorate	J (all detects) J (all detects)	A	Field duplicates (RPD) (fd)
550-161229-1	E2-1-20210405 E2-1-20210405-FD	Chlorate	J (all detects)	A	Field duplicates (RPD) (fd)
550-161332-1	PC-150-20210406 PC-150-20210406-FD	Nitrate as N	J (all detects)	A	Field duplicates (RPD) (fd)
550-161333-1	PC-133-20210406 PC-133-20210406-FD	Nitrate as N	J (all detects)	A	Field duplicates (RPD) (fd)
550-163185-1	M-31A-20210504 M-31A-20210504-FD13	Nitrate as N Chlorate Perchlorate	J (all detects) J (all detects) J (all detects)	A	Field duplicates (RPD) (fd)
550-163268-1	MC-7-20210505 MC-7-20210505-FD17	Nitrate as N Perchlorate	J (all detects) J (all detects)	A	Field duplicates (RPD) (fd)
550-156313-1	ART-9 20210113	Nitrate as N	J (all detects)	P	Compound quantitation (exceeded range) (e)
550-156196-1	I-AB 20210112 I-B 20210112	Nitrate as N	Do not report	-	Overall assessment of data (orr)
550-156604-1	E2-4 20210118-EB	Nitrate as N	Do not report	-	Overall assessment of data (orr)
550-159995-1	I-V 20210311	Nitrate as N	Do not report	-	Overall assessment of data (orr)
550-159996-1	I-AB - 20210311	Nitrate as N	Do not report	-	Overall assessment of data (orr)
550-162924-1	M-11-20210430-FB4 M-11-20210430	Hexavalent chromium (218.6)	Do not report	-	Overall assessment of data (orr)

SDG	Sample	Analyte	Flag	A or P	Reason (Code)
550-162924-1	M-65-20210430 M-72-20210430 M-66-20210430 M-66-20210430-FD8 M-22A-20210430 M-70-20210430 M-140-20210430	Nitrate as N	Do not report	-	Overall assessment of data (orr)
550-163494-2	E1-1-20210510RE1 E1-3-20210510RE1 E1-1-20210510RE2 E1-3-20210510RE2	Chlorate	Do not report	-	Overall assessment of data (orr)
550-163667-2	PC-115R-20210512RE1 PC-115R-20210512RE2	Nitrate as N	Do not report	-	Overall assessment of data (orr)
550-163776-1	I-V-20210513	Nitrate as N	Do not report	-	Overall assessment of data (orr)
550-163906-2	E2-2-202105RE1 E2-2-202105RE2	Nitrate as N	Do not report	-	Overall assessment of data (orr)
550-164588-1	MW-K4-20210528RE PC-101R-20210528RE ARP-3A-20210528RE ARP-2A-20210528RE ARP-2A-20210528-EB14RE PC-134A-20210528RE PC-134A-20210528-EB15RE PC-145-20210528RE PC-144-20210528RE ARP-6B-20210528RE	Nitrate as N	Do not report	-	Overall assessment of data (orr)
550-165167-1	ART-3A-20210609 ART-8A-20210609	Hexavalent chromium	Do not report	-	Overall assessment of data

NERT GWM Performance Sampling, January 2021 - July 2021
Wet Chemistry - Laboratory Blank Data Qualification Summary – SDGs 550-156195-1, 550-156196-1, 550-156311-1, 550-156313-1, 550-156429-1, 550-156430-1, 550-156604-1, 550-156606-1, 550-156916-1, 550-157792-1, 550-157793-1, 550-158070-1, 550-158182-1, 550-158183-1, 550-158364-1, 550-158365-1, 550-158700-1, 550-158806-1, 550-158807-1, 550-158924-1, 550-159412-1, 550-159413-1, 550-159757-1, 550-159917-1, 550-159919-1, 550-159995-1, 550-159996-1, 550-160318-1, 550-161080-1, 550-161081-1, 550-161082-1, 550-161229-1, 550-161332-1, 550-161333-1, 550-161606-1, 550-162124-1, 550-162595-1, 550-162691-1, 550-162775-1, 550-162864-1, 550-162924-1, 550-163037-1, 550-163185-1, 550-163268-1, 550-163375-1, 550-163444-1, 550-163446-1, 550-163494-1, 550-163494-2, 550-163495-1, 550-163599-1, 550-163600-1, 550-163602-1, 550-163662-1, 550-163666-1, 550-163667-1, 550-163667-2, 550-163678-1, 550-163776-1, 550-163780-1, 550-163782-1, 550-163841-1, 550-163906-1, 550-163906-2, 550-164463-1, 550-164543-1, 550-164588-1, 550-164832-1, 550-165089-1, 550-165090-1, 550-165143-1, 550-165167-1, 550-165171-1, 550-165254-1, 550-165499-1, 550-166351-1, 550-167089-1, 550-

167224-1, 550-167297-1, 550-167354-1, 550-167638-1, 550-167691-1

No Sample Data Qualified in these SDGs

NERT GWM Performance Sampling, January 2021 - July 2021
Wet Chemistry - Field Blank Data Qualification Summary - SDGs 550-156195-1, 550-156196-1, 550-156311-1, 550-156313-1, 550-156429-1, 550-156430-1, 550-156604-1, 550-156606-1, 550-156916-1, 550-157792-1, 550-157793-1, 550-158070-1, 550-158182-1, 550-158183-1, 550-158364-1, 550-158365-1, 550-158700-1, 550-158806-1, 550-158807-1, 550-158924-1, 550-159412-1, 550-159413-1, 550-159757-1, 550-159917-1, 550-159919-1, 550-159995-1, 550-159996-1, 550-160318-1, 550-161080-1, 550-161081-1, 550-161082-1, 550-161229-1, 550-161332-1, 550-161333-1, 550-161606-1, 550-162124-1, 550-162595-1, 550-162691-1, 550-162775-1, 550-162864-1, 550-162924-1, 550-167691-1, 550-163037-1, 550-163185-1, 550-163268-1, 550-163375-1, 550-163444-1, 550-163446-1, 550-163494-1, 550-163494-2, 550-163495-1, 550-163599-1, 550-163600-1, 550-163602-1, 550-163662-1, 550-163666-1, 550-163667-1, 550-163667-2, 550-163678-1, 550-163776-1, 550-163780-1, 550-163782-1, 550-163841-1, 550-163906-1, 550-163906-2, 550-164463-1, 550-164543-1, 550-164588-1, 550-164832-1, 550-165089-1, 550-165090-1, 550-165143-1, 550-165167-1, 550-165171-1, 550-165254-1, 550-165499-1, 550-166351-1, 550-167089-1, 550-167224-1, 550-167297-1, 550-167354-1, 550-167638-1, 550-167691-1

SDG	Sample	Analyte	Modified Final Concentration	A or P	Code
550-157792-1	PC-119-20210203	Total dissolved solids	1500J+ mg/L	A	be, ba
550-162595-1	LVWPS-MW102B-20210426	Chlorate	260J ug/L	A	be,bb
550-163375-1	M-135-20210506	Nitrate as N	9.3J+ ug/L	A	be, ba
550-165171-1	PC-118-20210609	Total dissolved solids	1500J+ mg/L	A	be, ba