Data Validation Summary Report
Semi-Annual Remedial Performance Sampling
July through December 2017
Nevada Environmental Response Trust (NERT)
Henderson, Nevada

Prepared for

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LIST OF ACRONYMS AND ABBREVIATIONS

CCB	Continuing Calibration Blank
CLPNFG	Contract Laboratory Program National Functional Guidelines
DL	Detection Limit
DNR	Do Not Report
DQO	Data Quality Objectives
DUP	Laboratory Duplicate
DVR	Data Validation Report
DVSR	Data Validation Summary Report
EB	Equipment Blank
FB	Field Blank
FD	Field Duplicate
ICB	Initial Calibration Blank
ICV	Initial Calibration Verification
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
PARCCS	Precision, Accuracy, Representativeness, Comparability, Completeness, Sensitivity
PQL	Practical Quantitation Limit
QA/QC	Quality Assurance / Quality Control
QAPP	Quality Assurance Project Plan
RPD	Relative Percent Difference
SDG	Sample Delivery Group
SQL	Sample Quantitation Limit
TDS	Total Dissolved Solids
TOC	Total Organic Carbon
TOX	Toxic Organic Halides
USEPA	United States Environmental Protection Agency
ug/L	Micrograms per Liter
mg/L	Milligrams per Liter
%RSD	Percent Relative Standard Deviation
%D	Percent Difference
%R	Percent Recovery

1.0 INTRODUCTION

This data validation summary report (DVSR) has been prepared by Laboratory Data Consultants, Inc. (LDC) to assess the validity and usability of laboratory analytical data from the Semi-Annual Remedial Performance Sampling conducted at the Nevada Environmental Response Trust (NERT) site in Henderson, Nevada. The assessment was performed by Ramboll as a part of the *Quality Assurance Project Plan, Revision 1, Nevada Environmental Response Trust Site, Henderson, Nevada* dated July 2014 and included the collection and analyses of 597 environmental and quality control (QC) samples. The analyses were performed by the following methods:

Metals by Environmental Protective Agency (EPA) Method 200.7

Wet Chemistry:
Hexavalent Chromium by EPA Method 218.6
Chloride, Nitrate as Nitrogen, Nitrite as Nitrogen, and Sulfate (Anions) by EPA Method 300.0
Nitrate/Nitrite as Nitrogen and Total Inorganic Nitrogen by Calculation Method
Chlorate by EPA Method 300.1B
Perchlorate by EPA Method 314.0
Ammonia as Nitrogen by Standard Method 350.1
Total Recoverable Phenolics by EPA Method 420.4
Specific Conductance by Standard Method 2510B
Total Dissolved Solids (TDS) by Standard Method 2540C
Total Organic Carbon (TOC) by Standard Method 5310C
Toxic Organic Halides (TOX) by EPA SW 846 Method 9020B
pH by Field Test Method

Laboratory analytical services were provided by TestAmerica, Inc. for all parameters and Assett Laboratories performed additional hexavalent chromium analyses. 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. 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 Verification and Validation Requirements - Supplement* established for the BMI Plant Sites and Common Areas Projects, Henderson, Nevada, April 13, 2009. Consistent with the NDEP requirements, all of the analytical data were validated according to Stage 2A data validation procedures. The number of samples validated according to Stage 2A for each sampling event and for each method is presented in Table III.

The analytical data were evaluated for QA/QC based on the following documents: *Quality Assurance Project Plan, Revision 1, NERT Site, Henderson, Nevada,* July 2014; Nevada Department of Environmental Protection (NDEP) *Revised Guidance on Qualifying Data due to Blank Contamination for the BMI Complex and Common Areas*, January 5 2012; a modified outline of the *USEPA National Functional Guidelines* (NFG) *for Inorganic Superfund 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.

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

Precision and Accuracy of Environmental Data

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

Environmental and laboratory QA/QC samples assess the effects of sampling procedures and evaluate laboratory contamination, laboratory performance, and matrix effects. QA/QC samples include: equipment blanks (EBs), field blanks (FBs), field duplicates (FDs), laboratory blanks, matrix spike samples (MSs), laboratory duplicate (DUP), and laboratory control samples/laboratory control sample duplicate (LCS/LCSDs).

Before conducting the PARCCS evaluation, the analytical data were validated according to the QAPP (July 2014), NFG (USEPA 2017), and EPA 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 compound or 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.

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 identify possible limitations of data use. 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 QAPP and NFG, 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):

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

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. A 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 or solid matrix is used to prepare an LCS. The LCS measures laboratory efficiency in recovering target analytes from either matrix in the absence of matrix interferences.

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

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

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

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

Accuracy is a measure of the agreement of an experimental determination and the true value of the parameter being measured. It is used to identify bias in a given measurement system. Recoveries outside acceptable QC limits may be caused by factors such as instrumentation, analyst error, or matrix interference. Accuracy is assessed through the analysis of MS, MSD, LCS, and samples containing surrogate spikes. In some cases, samples from multiple SDGs were within one QC batch and therefore are associated with the same laboratory QC samples. Surrogate spikes are either isotopically labeled compounds or compounds that are not typically detected in the samples. Surrogate spikes are added to every blank, environmental sample, LCS, MS/MSD, and standard, for all applicable organic analyses. Accuracy of inorganic analyses is determined using the percent recoveries of MS and LCS analyses. Percent recovery (%R) is calculated using the following equation:

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

where:
A = measured concentration in the spiked sample
B = measured concentration of the spike compound in the unspiked sample
C = concentration of the spike

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

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

A laboratory 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 laboratory blank provides a measure of the combined contamination derived from the laboratory source water, glassware, instruments, reagents, and sample preparation steps. Laboratory blanks are prepared for each sample of a similar matrix extracted by the same method at a similar concentration level.

Initial and continuing calibration blanks (ICB/CCBs) consist of acidified laboratory grade water, which are injected at the beginning and at a regular frequency during each 12 - hour sample analysis run. These blanks estimate residual contaminants from the previous sample or standards analysis and measure baseline shifts that commonly occur in emission and absorption spectroscopy.

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 efficiency 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.

The blanks and associated samples were evaluated according to the NDEP *BMI Plant Sites and Common Areas Projects, Henderson, Nevada, Revised Guidance on Qualifying Data due to Blank Contamination for the BMI Complex and Common Areas*, January 5, 2012.

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

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

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

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

where:
%C = percent completeness
T = total number of sample results
R = total number of rejected sample results

Completeness is also determined by comparing the planned number of samples per method and matrix as specified in the QAPP, 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 calibration requirements, detection limits (DLs), and PQLs presented in the QAPP 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 laboratory blank and field blank results to identify potential effects of laboratory background and field procedures on sensitivity.

The following sections present a review of QC data for each analytical method.

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

2.0 METALS

A total of 448 water samples were analyzed for chromium and six water samples were analyzed for metals by EPA Method 200.7. All metal data were assessed to be valid since none of the 480 total results were rejected based on QC or holding time exceedances. This section discusses the QA/QC supporting documentation as defined by the PARCCS criteria and evaluated based on the DQOs.

2.1 Precision and Accuracy

2.1.1 MS/MSD Samples

No data were qualified due to MS/MSD %Rs outside of the laboratory acceptance criteria for boron, chromium, manganese, and sodium since the parent sample results were greater than 4X the spike concentration.

All MS/MSD RPDs met the laboratory acceptance criteria.

2.1.2 LCS/LCSD Samples

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

2.1.3 FD Samples

All field duplicate RPDs met the QAPP acceptance criteria.

2.2 Representativeness

2.2.1 Sample Preservation and Holding Times

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

2.2.2 Blanks

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

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

Results Below the PQL If a sample result and blank contaminant value were less than the PQL, the sample result was amended as estimated (J) at the reported concentration.

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

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

2.2.2.1 Laboratory and Calibration Blanks

No contaminants were detected in the laboratory or calibration blanks for this analysis.

2.2.2.2 EBs and FBs

No data were qualified due to a contaminant detected in one equipment blank. No contaminants were detected in the field blanks.

2.3 Comparability

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

2.4 Completeness

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

2.5 Sensitivity

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

3.0 WET CHEMISTRY

A total of 344 water samples were analyzed for hexavalent chromium by EPA Method 218.6, 445 water samples were analyzed for anions by EPA Method 300.0, two water samples were analyzed for ammonia as nitrogen by EPA Method 350.1 and total inorganic nitrogen and nitrate/nitrite as nitrogen by Calculation Method, 583 water samples for chlorate by EPA Method 300.1B, 597 water samples for perchlorate by EPA Method 314.0 and TDS by Standard Method 2540C, and four water samples for total recoverable phenolics by EPA Method 420.4, specific conductance by Standard Method 2510B, TOC by Standard Method 5310C, and TOX by EPA SW 846 Method 9020B. In addition, field pH readings were recorded on 316 water samples at the time of sampling and reported with the analytical data for pH in the field. All wet chemistry data were assessed to be valid since none of the 2,596 total results were rejected

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

3.1 Precision and Accuracy

3.1.1 Surrogate

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

3.1.2 MS/MSD Samples

The TOX result in sample H-28A-20170816 and 11 nitrate as nitrogen results were qualified as estimated (J-) or non-detected estimated (UJ) due to MS/MSD %Rs below the laboratory acceptance criteria.

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

All MS/MSD RPDs were within the laboratory acceptance criteria.

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

3.1.3 DUP Samples

All DUP RPDs met the QAPP acceptance criteria for TDS by Standard Method 2540C.

3.1.4 LCS/LCSD Samples

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

3.1.5 FD Samples

Eight results in four field duplicate pairs were qualified as detected estimated (J) due to RPDs above the QAPP acceptance criteria. The details regarding the qualification of results are provided in Attachment B.

3.2 Representativeness

3.2.1 Sample Preservation and Holding Times

The evaluation of holding times to verify compliance with all wet chemistry methods was conducted. All samples met the 24-hour analysis holding time criteria for hexavalent chromium, the 48-hour analysis holding time criteria for nitrate as nitrogen and nitrite as nitrogen, the 7-day analysis holding time criteria for TDS, and the 28-day analysis holding time criteria for ammonia as nitrogen, chlorate, chloride, hexavalent chromium, perchlorate, specific conductance, sulfate, TOC, total recoverable phenolics, and TOX.

3.2.2 Blanks

Laboratory blanks, ICB/CCBs, 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 Laboratory and Calibration Blanks

No contaminants were detected in the laboratory or calibration blanks for these analyses.

3.2.2.2 EBs and FBs

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

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 wet chemistry data is regarded as acceptable.

3.4 Completeness

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

3.5 Sensitivity

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

4.0 SUMMARY OF PARCCS CRITERIA

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

4.1 Precision and Accuracy

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

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

4.2 Representativeness

All samples for each method were evaluated for holding time compliance. All holding times were met. All samples were associated with a laboratory blank and in each individual SDG. The representativeness of the project data is considered acceptable.

4.3 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. Sample preservation and holding times were within QC criteria. The overall comparability is considered acceptable.

4.4 Completeness

Of 3,076 total analytes reported, none of the sample results were rejected. The completeness for the SDGs is as follows:

Parameter	Total Analytes	No. of Rejects	% Completeness
Metals	480	0	100
Wet Chemistry	2,596	0	100
Total	**3,076**	**0**	**100**

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

4.5 Sensitivity

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

5.0 CONCLUSIONS AND RECOMMENDATIONS

The analytical data quality assessment for the water sample laboratory analytical results generated during the July to December 2017 Semi-Annual Remedial Performance Sampling at the NERT site in Henderson, Nevada established that the overall project requirements and completeness levels were met. Sample results that were found to be estimated (J) are usable for limited purposes only. Based upon the Stage 2A data validation all other results are considered valid and usable for all purposes.

6.0 REFERENCES

Environ 2014. Quality Assurance Project Plan, Revision 1, Nevada Environmental Response Trust Site, Henderson, Nevada. July 18.

NDEP 2009. NDEP Data Verification and Validation Requirements – Supplement. April

NDEP 2012. Revised Guidance on Qualifying Data due to Blank Contamination for the BMI Complex and Common Areas. January 5.

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

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

____.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.

(Eaton et al., 1998) *Standard Method for the Examination of Water and Wastewater* (20th ed.). Washington, DC: American Public Health Association.

TABLES

Table I

LDC	SDG	Client Sample ID	Lab ID	Sample Date	Validation Level	Matrix	QC Type	Metals (200.7)	Hex Cr (218.6)	Anions (300.0)	Chlorate (300.1B)	Perchlorate (314.0)	Ammonia as N (350.1)	Phenolics (420.4)	Field pH	Nitrate /Nitrite as N & Total Inorganic Nitrogen (Calc)	Spec Cond. (2510B)	TDS (2540C)	TOC (5310C)	Organic Halides (9020B)
39282A	4401881441	PC-133-20170711	440-188144-1	7/11/2017	Stage 2A	Water	FD1	X		X	X	X			X			X		
39282A	4401881441	PC-117-20170711	440-188144-2	7/11/2017	Stage 2A	Water		X		X	X	X			X			X		
39282A	4401881441	PC-121-20170711	440-188144-3	7/11/2017	Stage 2A	Water		X		X	X	X			X			X		
39282A	4401881441	PC-120-20170711	440-188144-4	7/11/2017	Stage 2A	Water		X		X	X	X			X			X		
39282A	4401881441	PC-119-20170711	440-188144-5	7/11/2017	Stage 2A	Water		X		X	X	X			X			X		
39282A	4401881441	PC-118-20170711	440-188144-6	7/11/2017	Stage 2A	Water		X		X	X	X			X			X		
39282A	4401881441	PC-116R-20170711	440-188144-7	7/11/2017	Stage 2A	Water		X		X	X	X			X			X		
39282A	4401881441	PC-115R-20170711	440-188144-8	7/11/2017	Stage 2A	Water		X		X	X	X			X			X		
39282A	4401881441	PC-99R2/R3-20170711	440-188144-9	7/11/2017	Stage 2A	Water		X		X	X	X			X			X		
39282A	4401881441	PC-133-20170711-FD	440-188144-10	7/11/2017	Stage 2A	Water	FD1	X		X	X	X			X			X		
39282A	4401881441	PC-120-20170711-EB	440-188144-11	7/11/2017	Stage 2A	Water	EB	X		X	X	X			X			X		
39282B	4401881491	PC-133-20170711	440-188149-1	7/11/2017	Stage 2A	Water	FD1		X											
39282B	4401881491	PC-117-20170711	440-188149-2	7/11/2017	Stage 2A	Water			X											
39282B	4401881491	PC-121-20170711	440-188149-3	7/11/2017	Stage 2A	Water			X											
39282B	4401881491	PC-120-20170711	440-188149-4	7/11/2017	Stage 2A	Water			X											
39282B	4401881491	PC-119-20170711	440-188149-5	7/11/2017	Stage 2A	Water			X											
39282B	4401881491	PC-118-20170711	440-188149-6	7/11/2017	Stage 2A	Water			X											
39282B	4401881491	PC-116R-20170711	440-188149-7	7/11/2017	Stage 2A	Water			X											
39282B	4401881491	PC-115R-20170711	440-188149-8	7/11/2017	Stage 2A	Water			X											
39282B	4401881491	PC-99R2/R3-20170711	440-188149-9	7/11/2017	Stage 2A	Water			X											
39282B	4401881491	PC-133-20170711-FD	440-188149-10	7/11/2017	Stage 2A	Water	FD1		X											
39282B	4401881491	PC-120-20170711-EB	440-188149-11	7/11/2017	Stage 2A	Water	EB		X											
39282C	4401882501	ART-1A-20170712	440-188250-1	7/12/2017	Stage 2A	Water	FD2	X		X	X	X			X			X		
39282C	4401882501	ART-2/2A-20170712	440-188250-2	7/12/2017	Stage 2A	Water		X		X	X	X			X			X		
39282C	4401882501	ART-3A-20170712	440-188250-3	7/12/2017	Stage 2A	Water		X		X	X	X			X			X		
39282C	4401882501	ART-4-20170712	440-188250-4	7/12/2017	Stage 2A	Water		X		X	X	X			X			X		
39282C	4401882501	ART-6-20170712	440-188250-5	7/12/2017	Stage 2A	Water		X		X	X	X			X			X		
39282C	4401882501	ART-7B-20170712	440-188250-6	7/12/2017	Stage 2A	Water		X		X	X	X			X			X		
39282C	4401882501	ART-8A-20170712	440-188250-7	7/12/2017	Stage 2A	Water		X		X	X	X			X			X		

Table I

LDC	SDG	Client Sample ID	Lab ID	Sample Date	Validation Level	Matrix	QC Type	Metals (200.7)	Hex Cr (218.6)	Anions (300.0)	Chlorate (300.1B)	Perchlorate (314.0)	Ammonia as N (350.1)	Phenolics (420.4)	Field pH	Nitrate /Nitrite as N & Total Inorganic Nitrogen (Calc)	Spec Cond. (2510B)	TDS (2540C)	TOC (5310C)	Organic Halides (9020B)
39282C	4401882501	ART-9-20170712	440-188250-8	7/12/2017	Stage 2A	Water		X		X	X	X			X			X		
39282C	4401882501	PC-150-20170712	440-188250-9	7/12/2017	Stage 2A	Water		X		X	X	X			X			X		
39282C	4401882501	ART-8A-20170712-EB	440-188250-10	7/12/2017	Stage 2A	Water	EB	X		X	X	X			X			X		
39282C	4401882501	ART-1A-20170712-FD	440-188250-11	7/12/2017	Stage 2A	Water	FD2	X		X	X	X			X			X		
39282D	4401883081	ART-1A-20170712	440-188308-1	7/12/2017	Stage 2A	Water	FD2		X											
39282D	4401883081	ART-2/2A-20170712	440-188308-2	7/12/2017	Stage 2A	Water			X											
39282D	4401883081	ART-3A-20170712	440-188308-3	7/12/2017	Stage 2A	Water			X											
39282D	4401883081	ART-4-20170712	440-188308-4	7/12/2017	Stage 2A	Water			X											
39282D	4401883081	ART-6-20170712	440-188308-5	7/12/2017	Stage 2A	Water			X											
39282D	4401883081	ART-7B-20170712	440-188308-6	7/12/2017	Stage 2A	Water			X											
39282D	4401883081	ART-8A-20170712	440-188308-7	7/12/2017	Stage 2A	Water			X											
39282D	4401883081	ART-9-20170712	440-188308-8	7/12/2017	Stage 2A	Water			X											
39282D	4401883081	PC-150-20170712	440-188308-9	7/12/2017	Stage 2A	Water			X											
39282D	4401883081	ART-8A-20170712-EB	440-188308-10	7/12/2017	Stage 2A	Water	EB		X											
39282D	4401883081	ART-1A-20170712-FD	440-188308-11	7/12/2017	Stage 2A	Water	FD2		X											
39282E	4401883341	I-AD-20170713	440-188334-1	7/13/2017	Stage 2A	Water		X		X	X	X			X			X		
39282E	4401883341	I-AC-20170713	440-188334-2	7/13/2017	Stage 2A	Water		X		X	X	X			X			X		
39282E	4401883341	I-K-20170713	440-188334-3	7/13/2017	Stage 2A	Water		X		X	X	X			X			X		
39282E	4401883341	I-J-20170713	440-188334-4	7/13/2017	Stage 2A	Water		X		X	X	X			X			X		
39282E	4401883341	I-Z-20170713	440-188334-5	7/13/2017	Stage 2A	Water		X		X	X	X			X			X		
39282E	4401883341	I-I-20170713	440-188334-6	7/13/2017	Stage 2A	Water		X		X	X	X			X			X		
39282E	4401883341	I-V-20170713	440-188334-7	7/13/2017	Stage 2A	Water		X		X	X	X			X			X		
39282F	4401885481	I-AR-20170718	440-188548-1	7/18/2017	Stage 2A	Water		X		X	X	X			X			X		
39282F	4401885481	I-AA-20170718	440-188548-2	7/18/2017	Stage 2A	Water		X		X	X	X			X			X		
39282F	4401885481	I-AB-20170718	440-188548-3	7/18/2017	Stage 2A	Water		X		X	X	X			X			X		
39282F	4401885481	I-B-20170718	440-188548-4	7/18/2017	Stage 2A	Water		X		X	X	X			X			X		
39282F	4401885481	I-B-20170718-EB	440-188548-5	7/18/2017	Stage 2A	Water	EB	X		X	X	X			X			X		
39282F	4401885481	I-R-20170718	440-188548-6	7/18/2017	Stage 2A	Water		X		X	X	X			X			X		
39282F	4401885481	I-Y-20170718	440-188548-7	7/18/2017	Stage 2A	Water		X		X	X	X			X			X		

Table I

LDC	SDG	Client Sample ID	Lab ID	Sample Date	Validation Level	Matrix	QC Type	Metals (200.7)	Hex Cr (218.6)	Anions (300.0)	Chlorate (300.1B)	Perchlorate (314.0)	Ammonia as N (350.1)	Phenolics (420.4)	Field pH	Nitrate /Nitrite as N & Total Inorganic Nitrogen (Calc)	Spec Cond. (2510B)	TDS (2540C)	TOC (5310C)	Organic Halides (9020B)
39282F	4401885481	I-L-20170718	440-188548-8	7/18/2017	Stage 2A	Water		X		X	X	X			X			X		
39282G	4401886601	I-F-20170719	440-188660-1	7/19/2017	Stage 2A	Water		X		X	X	X			X			X		
39282G	4401886601	I-X-20170719	440-188660-2	7/19/2017	Stage 2A	Water		X		X	X	X			X			X		
39282G	4401886601	I-N-20170719	440-188660-3	7/19/2017	Stage 2A	Water		X		X	X	X			X			X		
39282G	4401886601	I-E-20170719	440-188660-4	7/19/2017	Stage 2A	Water		X		X	X	X			X			X		
39282G	4401886601	I-M-20170719	440-188660-5	7/19/2017	Stage 2A	Water		X		X	X	X			X			X		
39282G	4401886601	I-D-20170719	440-188660-6	7/19/2017	Stage 2A	Water		X		X	X	X			X			X		
39282G	4401886601	I-C-20170719	440-188660-7	7/19/2017	Stage 2A	Water		X		X	X	X			X			X		
39282G	4401886601	I-S-20170719	440-188660-8	7/19/2017	Stage 2A	Water		X		X	X	X			X			X		
39282G	4401886601	I-O-20170719	440-188660-9	7/19/2017	Stage 2A	Water		X		X	X	X			X			X		
39282G	4401886601	I-W-20170719	440-188660-10	7/19/2017	Stage 2A	Water		X		X	X	X			X			X		
39282G	4401886601	I-P-20170719	440-188660-11	7/19/2017	Stage 2A	Water		X		X	X	X			X			X		
39282G	4401886601	I-H-20170719	440-188660-12	7/19/2017	Stage 2A	Water		X		X	X	X			X			X		
39282G	4401886601	I-U-20170719	440-188660-13	7/19/2017	Stage 2A	Water		X		X	X	X			X			X		
39282G	4401886601	I-T-20170719	440-188660-14	7/19/2017	Stage 2A	Water	FD3	X		X	X	X			X			X		
39282G	4401886601	I-T-20170719-FD	440-188660-15	7/19/2017	Stage 2A	Water	FD3	X		X	X	X			X			X		
39282G	4401886601	I-G-20170719	440-188660-16	7/19/2017	Stage 2A	Water		X		X	X	X			X			X		
39282G	4401886601	I-Q-20170719	440-188660-17	7/19/2017	Stage 2A	Water		X		X	X	X			X			X		
39282H	4401886801	I-AD-20170713	440-188680-1	7/13/2017	Stage 2A	Water			X											
39282H	4401886801	I-AC-20170713	440-188680-2	7/13/2017	Stage 2A	Water			X											
39282H	4401886801	I-K-20170713	440-188680-3	7/13/2017	Stage 2A	Water			X											
39282H	4401886801	I-J-20170713	440-188680-4	7/13/2017	Stage 2A	Water			X											
39282H	4401886801	I-Z-20170713	440-188680-5	7/13/2017	Stage 2A	Water			X											
39282H	4401886801	I-I-20170713	440-188680-6	7/13/2017	Stage 2A	Water			X											
39282H	4401886801	I-V-20170713	440-188680-7	7/13/2017	Stage 2A	Water			X											
39282I	4401886821	I-AR-20170718	440-188682-1	7/18/2017	Stage 2A	Water			X											
39282I	4401886821	I-AA-20170718	440-188682-2	7/18/2017	Stage 2A	Water			X											
39282I	4401886821	I-AB-20170718	440-188682-3	7/18/2017	Stage 2A	Water			X											
39282I	4401886821	I-B-20170718	440-188682-4	7/18/2017	Stage 2A	Water			X											

Table I

LDC	SDG	Client Sample ID	Lab ID	Sample Date	Validation Level	Matrix	QC Type	Metals (200.7)	Hex Cr (218.6)	Anions (300.0)	Chlorate (300.1B)	Perchlorate (314.0)	Ammonia as N (350.1)	Phenolics (420.4)	Field pH	Nitrate /Nitrite as N & Total Inorganic Nitrogen (Calc)	Spec Cond. (2510B)	TDS (2540C)	TOC (5310C)	Organic Halides (9020B)
39282I	4401886821	I-B-20170718-EB	440-188682-5	7/18/2017	Stage 2A	Water	EB		X											
39282I	4401886821	I-R-20170718	440-188682-6	7/18/2017	Stage 2A	Water			X											
39282I	4401886821	I-Y-20170718	440-188682-7	7/18/2017	Stage 2A	Water			X											
39282I	4401886821	I-L-20170718	440-188682-8	7/18/2017	Stage 2A	Water			X											
39282J	4401886831	I-F-20170719	440-188683-1	7/19/2017	Stage 2A	Water			X											
39282J	4401886831	I-X-20170719	440-188683-2	7/19/2017	Stage 2A	Water			X											
39282J	4401886831	I-N-20170719	440-188683-3	7/19/2017	Stage 2A	Water			X											
39282J	4401886831	I-E-20170719	440-188683-4	7/19/2017	Stage 2A	Water			X											
39282J	4401886831	I-M-20170719	440-188683-5	7/19/2017	Stage 2A	Water			X											
39282J	4401886831	I-D-20170719	440-188683-6	7/19/2017	Stage 2A	Water			X											
39282J	4401886831	I-C-20170719	440-188683-7	7/19/2017	Stage 2A	Water			X											
39282J	4401886831	I-S-20170719	440-188683-8	7/19/2017	Stage 2A	Water			X											
39282J	4401886831	I-O-20170719	440-188683-9	7/19/2017	Stage 2A	Water			X											
39282J	4401886831	I-W-20170719	440-188683-10	7/19/2017	Stage 2A	Water			X											
39282J	4401886831	I-P-20170719	440-188683-11	7/19/2017	Stage 2A	Water			X											
39282J	4401886831	I-H-20170719	440-188683-12	7/19/2017	Stage 2A	Water			X											
39282J	4401886831	I-U-20170719	440-188683-13	7/19/2017	Stage 2A	Water			X											
39282J	4401886831	I-T-20170719	440-188683-14	7/19/2017	Stage 2A	Water	FD3		X											
39282J	4401886831	I-T-20170719-FD	440-188683-15	7/19/2017	Stage 2A	Water	FD3		X											
39282J	4401886831	I-G-20170719	440-188683-16	7/19/2017	Stage 2A	Water			X											
39282J	4401886831	I-Q-20170719	440-188683-17	7/19/2017	Stage 2A	Water			X											
39282K	4401889711	LVW0.55-20170724	440-188971-1	7/24/2017	Stage 2A	Water					X	X						X		
39282K	4401889711	LVW3.5-6-20170724	440-188971-2	7/24/2017	Stage 2A	Water					X	X						X		
39282K	4401889711	LVW3.5-5-20170724	440-188971-3	7/24/2017	Stage 2A	Water					X	X						X		
39282K	4401889711	LVW3.5-4-20170724	440-188971-4	7/24/2017	Stage 2A	Water					X	X						X		
39282K	4401889711	LVW3.5-3-20170724	440-188971-5	7/24/2017	Stage 2A	Water					X	X						X		
39282K	4401889711	LVW3.5-2-20170724	440-188971-6	7/24/2017	Stage 2A	Water					X	X						X		
39282K	4401889711	LVW3.5-1-20170724	440-188971-7	7/24/2017	Stage 2A	Water					X	X						X		
39282K	4401889711	LVW6.05-20170724	440-188971-8	7/24/2017	Stage 2A	Water					X	X						X		

Table I

LDC	SDG	Client Sample ID	Lab ID	Sample Date	Validation Level	Matrix	QC Type	Metals (200.7)	Hex Cr (218.6)	Anions (300.0)	Chlorate (300.1B)	Perchlorate (314.0)	Ammonia as N (350.1)	Phenolics (420.4)	Field pH	Nitrate /Nitrite as N & Total Inorganic Nitrogen (Calc)	Spec Cond. (2510B)	TDS (2540C)	TOC (5310C)	Organic Halides (9020B)
39282L	4401889741	LVW7.2-20170725	440-188974-1	7/25/2017	Stage 2A	Water	FD4				X	X						X		
39282L	4401889741	LVW7.2-20170725-FD	440-188974-2	7/25/2017	Stage 2A	Water	FD4				X	X						X		
39282L	4401889741	LVW6.6-1-20170725	440-188974-3	7/25/2017	Stage 2A	Water					X	X						X		
39282L	4401889741	LVW6.6-2-20170725	440-188974-4	7/25/2017	Stage 2A	Water					X	X						X		
39282L	4401889741	LVW6.6-3-20170725	440-188974-5	7/25/2017	Stage 2A	Water					X	X						X		
39282L	4401889741	LVW5.3-1-20170725	440-188974-6	7/25/2017	Stage 2A	Water					X	X						X		
39282L	4401889741	LVW5.3-2-20170725	440-188974-7	7/25/2017	Stage 2A	Water					X	X						X		
39282L	4401889741	LVW5.3-3-20170725	440-188974-8	7/25/2017	Stage 2A	Water					X	X						X		
39282M	4401889771	LVW4.2-1-20170725	440-188977-1	7/25/2017	Stage 2A	Water					X	X						X		
39282M	4401889771	LVW4.2-2-20170725	440-188977-2	7/25/2017	Stage 2A	Water					X	X						X		
39282M	4401889771	LVW4.2-3-20170725	440-188977-3	7/25/2017	Stage 2A	Water					X	X						X		
39282M	4401889771	LVW4.2-4-20170725	440-188977-4	7/25/2017	Stage 2A	Water	FD5				X	X						X		
39282M	4401889771	LVW4.2-4-20170725-FD	440-188977-5	7/25/2017	Stage 2A	Water	FD5				X	X						X		
39282M	4401889771	LVW4.2-20170725-FB	440-188977-6	7/25/2017	Stage 2A	Water	FB				X	X						X		
39617B	4401898211	I-AR-20170808	440-189821-1	8/8/2017	Stage 2A	Water		X		X	X	X			X			X		
39617B	4401898211	I-AC-20170808	440-189821-2	8/8/2017	Stage 2A	Water		X		X	X	X			X			X		
39617B	4401898211	I-AD-20170808	440-189821-3	8/8/2017	Stage 2A	Water		X		X	X	X			X			X		
39617B	4401898211	I-I-20170808	440-189821-4	8/8/2017	Stage 2A	Water		X		X	X	X			X			X		
39617B	4401898211	I-J-20170808	440-189821-5	8/8/2017	Stage 2A	Water		X		X	X	X			X			X		
39617B	4401898211	I-K-20170808	440-189821-6	8/8/2017	Stage 2A	Water		X		X	X	X			X			X		
39617B	4401898211	I-V-20170808	440-189821-7	8/8/2017	Stage 2A	Water		X		X	X	X			X			X		
39617B	4401898211	I-Z-20170808	440-189821-8	8/8/2017	Stage 2A	Water		X		X	X	X			X			X		
39617C	4401898671	I-AR-20170808	440-189867-1	8/8/2017	Stage 2A	Water			X											
39617C	4401898671	I-AC-20170808	440-189867-2	8/8/2017	Stage 2A	Water			X											
39617C	4401898671	I-AD-20170808	440-189867-3	8/8/2017	Stage 2A	Water			X											
39617C	4401898671	I-I-20170808	440-189867-4	8/8/2017	Stage 2A	Water			X											
39617C	4401898671	I-J-20170808	440-189867-5	8/8/2017	Stage 2A	Water			X											
39617C	4401898671	I-K-20170808	440-189867-6	8/8/2017	Stage 2A	Water			X											
39617C	4401898671	I-V-20170808	440-189867-7	8/8/2017	Stage 2A	Water			X											

Table I

LDC	SDG	Client Sample ID	Lab ID	Sample Date	Validation Level	Matrix	QC Type	Metals (200.7)	Hex Cr (218.6)	Anions (300.0)	Chlorate (300.1B)	Perchlorate (314.0)	Ammonia as N (350.1)	Phenolics (420.4)	Field pH	Nitrate /Nitrite as N & Total Inorganic Nitrogen (Calc)	Spec Cond. (2510B)	TDS (2540C)	TOC (5310C)	Organic Halides (9020B)
39617C	4401898671	I-Z-20170808	440-189867-8	8/8/2017	Stage 2A	Water			X											
39617D	4401899261	I-AA-20170809	440-189926-1	8/9/2017	Stage 2A	Water		X		X	X	X			X			X		
39617D	4401899261	I-B-20170809	440-189926-2	8/9/2017	Stage 2A	Water		X		X	X	X			X			X		
39617D	4401899261	I-C-20170809	440-189926-3	8/9/2017	Stage 2A	Water		X		X	X	X			X			X		
39617D	4401899261	I-D-20170809	440-189926-4	8/9/2017	Stage 2A	Water	FD6	X		X	X	X			X			X		
39617D	4401899261	I-D-20170809-FD	440-189926-5	8/9/2017	Stage 2A	Water	FD6	X		X	X	X			X			X		
39617D	4401899261	I-E-20170809	440-189926-6	8/9/2017	Stage 2A	Water		X		X	X	X			X			X		
39617D	4401899261	I-F-20170809	440-189926-7	8/9/2017	Stage 2A	Water		X		X	X	X			X			X		
39617D	4401899261	I-L-20170809	440-189926-8	8/9/2017	Stage 2A	Water		X		X	X	X			X			X		
39617D	4401899261	I-L-20170809-EB	440-189926-9	8/9/2017	Stage 2A	Water	EB	X		X	X	X			X			X		
39617D	4401899261	I-M-20170809	440-189926-10	8/9/2017	Stage 2A	Water		X		X	X	X			X			X		
39617D	4401899261	I-N-20170809	440-189926-11	8/9/2017	Stage 2A	Water		X		X	X	X			X			X		
39617D	4401899261	I-R-20170809	440-189926-12	8/9/2017	Stage 2A	Water		X		X	X	X			X			X		
39617D	4401899261	I-S-20170809	440-189926-13	8/9/2017	Stage 2A	Water		X		X	X	X			X			X		
39617D	4401899261	I-X-20170809	440-189926-14	8/9/2017	Stage 2A	Water		X		X	X	X			X			X		
39617D	4401899261	I-Y-20170809	440-189926-15	8/9/2017	Stage 2A	Water		X		X	X	X			X			X		
39617E	4401899931	I-AA-20170809	440-189993-1	8/9/2017	Stage 2A	Water			X											
39617E	4401899931	I-B-20170809	440-189993-2	8/9/2017	Stage 2A	Water			X											
39617E	4401899931	I-C-20170809	440-189993-3	8/9/2017	Stage 2A	Water			X											
39617E	4401899931	I-D-20170809	440-189993-4	8/9/2017	Stage 2A	Water	FD6		X											
39617E	4401899931	I-D-20170809 FD	440-189993-5	8/9/2017	Stage 2A	Water	FD6		X											
39617E	4401899931	I-E-20170809	440-189993-6	8/9/2017	Stage 2A	Water			X											
39617E	4401899931	I-F-20170809	440-189993-7	8/9/2017	Stage 2A	Water			X											
39617E	4401899931	I-L-20170809	440-189993-8	8/9/2017	Stage 2A	Water			X											
39617E	4401899931	I-L-20170809 EB	440-189993-9	8/9/2017	Stage 2A	Water	EB		X											
39617E	4401899931	I-M-20170809	440-189993-10	8/9/2017	Stage 2A	Water			X											
39617E	4401899931	I-N-20170809	440-189993-11	8/9/2017	Stage 2A	Water			X											
39617E	4401899931	I-R-20170809	440-189993-12	8/9/2017	Stage 2A	Water			X											
39617E	4401899931	I-S-20170809	440-189993-13	8/9/2017	Stage 2A	Water			X											

Table I

LDC	SDG	Client Sample ID	Lab ID	Sample Date	Validation Level	Matrix	QC Type	Metals (200.7)	Hex Cr (218.6)	Anions (300.0)	Chlorate (300.1B)	Perchlorate (314.0)	Ammonia as N (350.1)	Phenolics (420.4)	Field pH	Nitrate /Nitrite as N & Total Inorganic Nitrogen (Calc)	Spec Cond. (2510B)	TDS (2540C)	TOC (5310C)	Organic Halides (9020B)
39617E	4401899931	I-X-20170809	440-189993-14	8/9/2017	Stage 2A	Water			X											
39617E	4401899931	I-Y-20170809	440-189993-15	8/9/2017	Stage 2A	Water			X											
39617F	4401900451	I-Q-20170810	440-190045-1	8/10/2017	Stage 2A	Water		X		X	X	X			X			X		
39617F	4401900451	I-G-20170810	440-190045-2	8/10/2017	Stage 2A	Water		X		X	X	X			X			X		
39617F	4401900451	I-T-20170810	440-190045-3	8/10/2017	Stage 2A	Water		X		X	X	X			X			X		
39617F	4401900451	I-U-20170810	440-190045-4	8/10/2017	Stage 2A	Water		X		X	X	X			X			X		
39617F	4401900451	I-H-20170810	440-190045-5	8/10/2017	Stage 2A	Water		X		X	X	X			X			X		
39617F	4401900451	I-P-20170810	440-190045-6	8/10/2017	Stage 2A	Water		X		X	X	X			X			X		
39617F	4401900451	I-W-20170810	440-190045-7	8/10/2017	Stage 2A	Water		X		X	X	X			X			X		
39617F	4401900451	I-O-20170810	440-190045-8	8/10/2017	Stage 2A	Water		X		X	X	X			X			X		
39617F	4401900451	I-AB-20170810	440-190045-9	8/10/2017	Stage 2A	Water		X		X	X	X			X			X		
39617G	4401900641	I-Q-20170810	440-190064-1	8/10/2017	Stage 2A	Water			X											
39617G	4401900641	I-G-20170810	440-190064-2	8/10/2017	Stage 2A	Water			X											
39617G	4401900641	I-T-20170810	440-190064-3	8/10/2017	Stage 2A	Water			X											
39617G	4401900641	I-U-20170810	440-190064-4	8/10/2017	Stage 2A	Water			X											
39617G	4401900641	I-H-20170810	440-190064-5	8/10/2017	Stage 2A	Water			X											
39617G	4401900641	I-P-20170810	440-190064-6	8/10/2017	Stage 2A	Water			X											
39617G	4401900641	I-W-20170810	440-190064-7	8/10/2017	Stage 2A	Water			X											
39617G	4401900641	I-O-20170810	440-190064-8	8/10/2017	Stage 2A	Water			X											
39617G	4401900641	I-AB-20170810	440-190064-9	8/10/2017	Stage 2A	Water			X											
39617H	4401903091	M-80-20170815	440-190309-1	8/15/2017	Stage 2A	Water	FD7	X	X			X						X		
39617H	4401903091	M-80-20170815-FD4	440-190309-2	8/15/2017	Stage 2A	Water	FD7	X	X			X						X		
39617H	4401903091	M-11-20170815	440-190309-3	8/15/2017	Stage 2A	Water		X	X			X						X		
39617H	4401903091	M-37-20170815	440-190309-4	8/15/2017	Stage 2A	Water		X	X			X						X		
39617H	4401903091	M-44-20170815	440-190309-5	8/15/2017	Stage 2A	Water		X	X			X						X		
39617H	4401903091	M-38-20170815	440-190309-6	8/15/2017	Stage 2A	Water		X	X			X						X		
39617I	4401903101	M-10-20170815	440-190310-1	8/15/2017	Stage 2A	Water		X	X	X		X	X			X		X		
39617J	4401903261	ART-1A-20170815	440-190326-1	8/15/2017	Stage 2A	Water		X		X	X	X			X			X		
39617J	4401903261	ART-2-20170815	440-190326-2	8/15/2017	Stage 2A	Water		X		X	X	X			X			X		

Table I

LDC	SDG	Client Sample ID	Lab ID	Sample Date	Validation Level	Matrix	QC Type	Metals (200.7)	Hex Cr (218.6)	Anions (300.0)	Chlorate (300.1B)	Perchlorate (314.0)	Ammonia as N (350.1)	Phenolics (420.4)	Field pH	Nitrate /Nitrite as N & Total Inorganic Nitrogen (Calc)	Spec Cond. (2510B)	TDS (2540C)	TOC (5310C)	Organic Halides (9020B)
39617J	4401903261	ART-3A-20170815	440-190326-3	8/15/2017	Stage 2A	Water		X		X	X	X			X			X		
39617J	4401903261	ART-4-20170815 EB	440-190326-4	8/15/2017	Stage 2A	Water	EB	X		X	X	X			X			X		
39617J	4401903261	ART-4-20170815	440-190326-5	8/15/2017	Stage 2A	Water		X		X	X	X			X			X		
39617J	4401903261	ART-6-20170815	440-190326-6	8/15/2017	Stage 2A	Water		X		X	X	X			X			X		
39617J	4401903261	ART-7B-20170815	440-190326-7	8/15/2017	Stage 2A	Water		X		X	X	X			X			X		
39617J	4401903261	ART-8A-20170815	440-190326-8	8/15/2017	Stage 2A	Water		X		X	X	X			X			X		
39617J	4401903261	ART-9-20170815	440-190326-9	8/15/2017	Stage 2A	Water	FD8	X		X	X	X			X			X		
39617J	4401903261	ART-9-20170815-FD	440-190326-10	8/15/2017	Stage 2A	Water	FD8	X		X	X	X			X			X		
39617K	4401903281	M-7B-20170815	440-190328-1	8/15/2017	Stage 2A	Water		X		X		X		X			X	X	X	X
39617K	4401903281	M-6A-20170815	440-190328-2	8/15/2017	Stage 2A	Water		X		X		X		X			X	X	X	X
39617K	4401903281	M-5A-20170815	440-190328-3	8/15/2017	Stage 2A	Water		X		X		X		X			X	X	X	X
39617O	4401903341	ART-1A-20170815	440-190334-1	8/15/2017	Stage 2A	Water			X											
39617O	4401903341	ART-2-20170815	440-190334-2	8/15/2017	Stage 2A	Water			X											
39617O	4401903341	ART-3A-20170815	440-190334-3	8/15/2017	Stage 2A	Water			X											
39617O	4401903341	ART-4-20170815-EB	440-190334-4	8/15/2017	Stage 2A	Water	EB		X											
39617O	4401903341	ART-4-20170815	440-190334-5	8/15/2017	Stage 2A	Water			X											
39617O	4401903341	ART-6-20170815	440-190334-6	8/15/2017	Stage 2A	Water			X											
39617O	4401903341	ART-7B-20170815	440-190334-7	8/15/2017	Stage 2A	Water			X											
39617O	4401903341	ART-8A-20170815	440-190334-8	8/15/2017	Stage 2A	Water			X											
39617O	4401903341	ART-9-20170815	440-190334-9	8/15/2017	Stage 2A	Water	FD8		X											
39617O	4401903341	ART-9-20170815-FD	440-190334-10	8/15/2017	Stage 2A	Water	FD8		X											
39617A	4401903961	M-10-20170816-FB4	440-190396-1	8/16/2017	Stage 2A	Water	FB	X	X			X						X		
39617A	4401903961	M-44-20170816-EB4	440-190396-2	8/16/2017	Stage 2A	Water	EB	X	X			X						X		
39617L	4401904041	H-28A-20170816	440-190404-1	8/16/2017	Stage 2A	Water		X		X		X		X			X	X	X	X
39617L	4401904091	PC-133-20170816	440-190409-1	8/16/2017	Stage 2A	Water		X		X	X	X			X			X		
39617L	4401904091	PC-117-20170816	440-190409-2	8/16/2017	Stage 2A	Water		X		X	X	X			X			X		
39617L	4401904091	PC-121-20170816	440-190409-3	8/16/2017	Stage 2A	Water		X		X	X	X			X			X		
39617L	4401904091	PC-121-20170816-EB	440-190409-4	8/16/2017	Stage 2A	Water	EB	X		X	X	X			X			X		
39617L	4401904091	PC-120-20170816	440-190409-5	8/16/2017	Stage 2A	Water		X		X	X	X			X			X		

Table I

LDC	SDG	Client Sample ID	Lab ID	Sample Date	Validation Level	Matrix	QC Type	Metals (200.7)	Hex Cr (218.6)	Anions (300.0)	Chlorate (300.1B)	Perchlorate (314.0)	Ammonia as N (350.1)	Phenolics (420.4)	Field pH	Nitrate /Nitrite as N & Total Inorganic Nitrogen (Calc)	Spec Cond. (2510B)	TDS (2540C)	TOC (5310C)	Organic Halides (9020B)
39617L	4401904091	PC-119-20170816	440-190409-6	8/16/2017	Stage 2A	Water		X		X	X	X			X			X		
39617L	4401904091	PC-118-20170816	440-190409-7	8/16/2017	Stage 2A	Water		X		X	X	X			X			X		
39617L	4401904091	PC-116R-20170816	440-190409-8	8/16/2017	Stage 2A	Water		X		X	X	X			X			X		
39617L	4401904091	PC-115R-20170816	440-190409-9	8/16/2017	Stage 2A	Water		X		X	X	X			X			X		
39617L	4401904091	PC-99R2/R3-20170816	440-190409-10	8/16/2017	Stage 2A	Water	FD9	X		X	X	X			X			X		
39617L	4401904091	PC-99R2/R3-20170816-FD	440-190409-11	8/16/2017	Stage 2A	Water	FD9	X		X	X	X			X			X		
39617L	4401904091	PC-150-20170816	440-190409-12	8/16/2017	Stage 2A	Water		X		X	X	X			X			X		
39617Q	4401904421	PC-133 -20170816	440-190442-1	8/16/2017	Stage 2A	Water			X											
39617Q	4401904421	PC-117-20170816	440-190442-2	8/16/2017	Stage 2A	Water			X											
39617Q	4401904421	PC-121-20170816	440-190442-3	8/16/2017	Stage 2A	Water			X											
39617Q	4401904421	PC-121-20170816-EB	440-190442-4	8/16/2017	Stage 2A	Water	EB		X											
39617Q	4401904421	PC-120-20170816	440-190442-5	8/16/2017	Stage 2A	Water			X											
39617Q	4401904421	PC-119-20170816	440-190442-6	8/16/2017	Stage 2A	Water			X											
39617Q	4401904421	PC-118-20170816	440-190442-7	8/16/2017	Stage 2A	Water			X											
39617Q	4401904421	PC-116R-20170816	440-190442-8	8/16/2017	Stage 2A	Water			X											
39617Q	4401904421	PC-115R-20170816	440-190442-9	8/16/2017	Stage 2A	Water			X											
39617Q	4401904421	PC-99R2/R3-20170816	440-190442-10	8/16/2017	Stage 2A	Water	FD9		X											
39617Q	4401904421	PC-99R2/R3-20170816-FD	440-190442-11	8/16/2017	Stage 2A	Water	FD9		X											
39617Q	4401904421	PC-150-20170816	440-190442-12	8/16/2017	Stage 2A	Water			X											
39617R	4401910161	LVW7.2-20170823	440-191016-1	8/23/2017	Stage 2A	Water	FD10				X	X						X		
39617R	4401910161	LVW7.2-20170823-FD	440-191016-2	8/23/2017	Stage 2A	Water	FD10				X	X						X		
39617R	4401910161	LVW6.6-1-20170823	440-191016-3	8/23/2017	Stage 2A	Water					X	X						X		
39617R	4401910161	LVW6.6-2-20170823	440-191016-4	8/23/2017	Stage 2A	Water					X	X						X		
39617R	4401910161	LVW6.6-3-20170823	440-191016-5	8/23/2017	Stage 2A	Water					X	X						X		
39617R	4401910161	LVW4.2-1-20170823	440-191016-6	8/23/2017	Stage 2A	Water					X	X						X		
39617R	4401910161	LVW4.2-2-20170823	440-191016-7	8/23/2017	Stage 2A	Water					X	X						X		
39617R	4401910161	LVW4.2-3-20170823	440-191016-8	8/23/2017	Stage 2A	Water					X	X						X		
39617R	4401910161	LVW4.2-4-20170823	440-191016-9	8/23/2017	Stage 2A	Water					X	X						X		
39617R	4401910161	LVW5.3-1-20170823	440-191016-10	8/23/2017	Stage 2A	Water					X	X						X		

Table I

LDC	SDG	Client Sample ID	Lab ID	Sample Date	Validation Level	Matrix	QC Type	Metals (200.7)	Hex Cr (218.6)	Anions (300.0)	Chlorate (300.1B)	Perchlorate (314.0)	Ammonia as N (350.1)	Phenolics (420.4)	Field pH	Nitrate /Nitrite as N & Total Inorganic Nitrogen (Calc)	Spec Cond. (2510B)	TDS (2540C)	TOC (5310C)	Organic Halides (9020B)
39617R	4401910161	LVW5.3-2-20170823	440-191016-11	8/23/2017	Stage 2A	Water					X	X						X		
39617R	4401910161	LVW5.3-3-20170823	440-191016-12	8/23/2017	Stage 2A	Water					X	X						X		
39617R	4401910161	LVW5.3-3-20170823-FB	440-191016-13	8/23/2017	Stage 2A	Water	FB				X	X						X		
39617N	4401911631	M-12A-20170829	440-191163-1	8/29/2017	Stage 2A	Water		X	X			X						X		
39617S	4401912791	LVW0.55-20170830	440-191279-1	8/30/2017	Stage 2A	Water	FD11				X	X						X		
39617S	4401912791	LVW0.55-20170830-FD	440-191279-2	8/30/2017	Stage 2A	Water	FD11				X	X						X		
39617S	4401912791	LVW3.5-5-20170830	440-191279-3	8/30/2017	Stage 2A	Water					X	X						X		
39617S	4401912791	LVW3.5-6-20170830	440-191279-4	8/30/2017	Stage 2A	Water					X	X						X		
39617S	4401912791	LVW3.5-4-20170830	440-191279-5	8/30/2017	Stage 2A	Water					X	X						X		
39617S	4401912791	LVW3.5-3-20170830	440-191279-6	8/30/2017	Stage 2A	Water					X	X						X		
39617S	4401912791	LVW3.5-2-20170830	440-191279-7	8/30/2017	Stage 2A	Water					X	X						X		
39617S	4401912791	LVW3.5-1-20170830	440-191279-8	8/30/2017	Stage 2A	Water					X	X						X		
39617S	4401912791	LVW6.05-20170830	440-191279-9	8/30/2017	Stage 2A	Water					X	X						X		
39665D	4401915941	ART-1A-20170906	440-191594-1	9/6/2017	Stage 2A	Water		X		X	X	X			X			X		
39665D	4401915941	ART-2-20170906	440-191594-2	9/6/2017	Stage 2A	Water		X		X	X	X			X			X		
39665D	4401915941	ART-3A-20170906	440-191594-3	9/6/2017	Stage 2A	Water		X		X	X	X			X			X		
39665D	4401915941	ART-4-20170906	440-191594-4	9/6/2017	Stage 2A	Water		X		X	X	X			X			X		
39665D	4401915941	ART-6-20170906	440-191594-5	9/6/2017	Stage 2A	Water		X		X	X	X			X			X		
39665D	4401915941	ART-7B-20170906	440-191594-6	9/6/2017	Stage 2A	Water	FD12	X		X	X	X			X			X		
39665D	4401915941	ART-7B-20170906-FD	440-191594-7	9/6/2017	Stage 2A	Water	FD12	X		X	X	X			X			X		
39665D	4401915941	ART-8A-20170906	440-191594-8	9/6/2017	Stage 2A	Water		X		X	X	X			X			X		
39665D	4401915941	ART-8A-20170906-EB	440-191594-9	9/6/2017	Stage 2A	Water	EB	X		X	X	X			X			X		
39665D	4401915941	ART-9-20170906	440-191594-10	9/6/2017	Stage 2A	Water		X		X	X	X			X			X		
39665D	4401915941	PC-150-20170906	440-191594-11	9/6/2017	Stage 2A	Water		X		X	X	X			X			X		
39665B	4401920481	I-AC-20170912	440-192048-1	9/12/2017	Stage 2A	Water		X		X	X	X			X			X		
39665B	4401920481	I-AD-20170912	440-192048-2	9/12/2017	Stage 2A	Water		X		X	X	X			X			X		
39665B	4401920481	I-I-20170912	440-192048-3	9/12/2017	Stage 2A	Water		X		X	X	X			X			X		
39665B	4401920481	I-J-20170912	440-192048-4	9/12/2017	Stage 2A	Water		X		X	X	X			X			X		
39665B	4401920481	I-K-20170912	440-192048-5	9/12/2017	Stage 2A	Water		X		X	X	X			X			X		

Table I

LDC	SDG	Client Sample ID	Lab ID	Sample Date	Validation Level	Matrix	QC Type	Metals (200.7)	Hex Cr (218.6)	Anions (300.0)	Chlorate (300.1B)	Perchlorate (314.0)	Ammonia as N (350.1)	Phenolics (420.4)	Field pH	Nitrate /Nitrite as N & Total Inorganic Nitrogen (Calc)	Spec Cond. (2510B)	TDS (2540C)	TOC (5310C)	Organic Halides (9020B)
39665B	4401920481	I-V-20170912	440-192048-6	9/12/2017	Stage 2A	Water		X		X	X	X			X			X		
39665B	4401920481	I-Z-20170912	440-192048-7	9/12/2017	Stage 2A	Water		X		X	X	X			X			X		
39665C	4401920482	PC-99R2/R3-20170912	440-192048-8	9/12/2017	Stage 2A	Water		X		X	X	X			X			X		
39665C	4401920482	PC-115R-20170912	440-192048-9	9/12/2017	Stage 2A	Water	FD13	X		X	X	X			X			X		
39665C	4401920482	PC-115R-20170912-FD	440-192048-10	9/12/2017	Stage 2A	Water	FD13	X		X	X	X			X			X		
39665C	4401920482	PC-116R-20170912	440-192048-11	9/12/2017	Stage 2A	Water		X		X	X	X			X			X		
39665C	4401920482	PC-116R-20170912-EB	440-192048-12	9/12/2017	Stage 2A	Water	EB	X		X	X	X			X			X		
39665C	4401920482	PC-117-20170912	440-192048-13	9/12/2017	Stage 2A	Water		X		X	X	X			X			X		
39665C	4401920482	PC-118-20170912	440-192048-14	9/12/2017	Stage 2A	Water		X		X	X	X			X			X		
39665C	4401920482	PC-119-20170912	440-192048-15	9/12/2017	Stage 2A	Water		X		X	X	X			X			X		
39665C	4401920482	PC-120-20170912	440-192048-16	9/12/2017	Stage 2A	Water		X		X	X	X			X			X		
39665C	4401920482	PC-121-20170912	440-192048-17	9/12/2017	Stage 2A	Water		X		X	X	X			X			X		
39665C	4401920482	PC-133-20170912	440-192048-18	9/12/2017	Stage 2A	Water		X		X	X	X			X			X		
39665D	4401921591	I-AA-20170913	440-192159-1	9/13/2017	Stage 2A	Water		X		X	X	X			X			X		
39665D	4401921591	I-AB-20170913	440-192159-2	9/13/2017	Stage 2A	Water		X		X	X	X			X			X		
39665D	4401921591	I-AR-20170913	440-192159-3	9/13/2017	Stage 2A	Water		X		X	X	X			X			X		
39665D	4401921591	I-B-20170913	440-192159-4	9/13/2017	Stage 2A	Water		X		X	X	X			X			X		
39665D	4401921591	I-C-20170913	440-192159-5	9/13/2017	Stage 2A	Water		X		X	X	X			X			X		
39665D	4401921591	I-F-20170913	440-192159-6	9/13/2017	Stage 2A	Water		X		X	X	X			X			X		
39665D	4401921591	I-L-20170913	440-192159-7	9/13/2017	Stage 2A	Water		X		X	X	X			X			X		
39665D	4401921591	I-R-20170913	440-192159-8	9/13/2017	Stage 2A	Water		X		X	X	X			X			X		
39665D	4401921591	I-S-20170913	440-192159-9	9/13/2017	Stage 2A	Water		X		X	X	X			X			X		
39665D	4401921591	I-X-20170913	440-192159-10	9/13/2017	Stage 2A	Water		X		X	X	X			X			X		
39665D	4401921591	I-Y-20170913	440-192159-11	9/13/2017	Stage 2A	Water		X		X	X	X			X			X		
39665G	4401922641	I-AC-20170912	440-192264-1	9/12/2017	Stage 2A	Water			X											
39665G	4401922641	I-AD-20170912	440-192264-2	9/12/2017	Stage 2A	Water			X											
39665G	4401922641	I-I-20170912	440-192264-3	9/12/2017	Stage 2A	Water			X											
39665G	4401922641	I-J-20170912	440-192264-4	9/12/2017	Stage 2A	Water			X											
39665G	4401922641	I-K-20170912	440-192264-5	9/12/2017	Stage 2A	Water			X											

Table I

LDC	SDG	Client Sample ID	Lab ID	Sample Date	Validation Level	Matrix	QC Type	Metals (200.7)	Hex Cr (218.6)	Anions (300.0)	Chlorate (300.1B)	Perchlorate (314.0)	Ammonia as N (350.1)	Phenolics (420.4)	Field pH	Nitrate /Nitrite as N & Total Inorganic Nitrogen (Calc)	Spec Cond. (2510B)	TDS (2540C)	TOC (5310C)	Organic Halides (9020B)
39665G	4401922641	I-V-20170912	440-192264-6	9/12/2017	Stage 2A	Water			X											
39665G	4401922641	I-Z-20170912	440-192264-7	9/12/2017	Stage 2A	Water			X											
39665H	4401922642	PC-99R2/R3-20170912	440-192264-8	9/12/2017	Stage 2A	Water			X											
39665H	4401922642	PC-115R-20170912	440-192264-9	9/12/2017	Stage 2A	Water	FD13		X											
39665H	4401922642	PC-115R-20170912-FD	440-192264-10	9/12/2017	Stage 2A	Water	FD13		X											
39665H	4401922642	PC-116R-20170912	440-192264-11	9/12/2017	Stage 2A	Water			X											
39665H	4401922642	PC-116R-20170912-EB	440-192264-12	9/12/2017	Stage 2A	Water	EB		X											
39665H	4401922642	PC-117-20170912	440-192264-13	9/12/2017	Stage 2A	Water			X											
39665H	4401922642	PC-118-20170912	440-192264-14	9/12/2017	Stage 2A	Water			X											
39665H	4401922642	PC-119-20170912	440-192264-15	9/12/2017	Stage 2A	Water			X											
39665H	4401922642	PC-120-20170912	440-192264-16	9/12/2017	Stage 2A	Water			X											
39665H	4401922642	PC-121-20170912	440-192264-17	9/12/2017	Stage 2A	Water			X											
39665H	4401922642	PC-133-20170912	440-192264-18	9/12/2017	Stage 2A	Water			X											
39665E	4401922661	I-AA-20170913	440-192266-1	9/13/2017	Stage 2A	Water			X											
39665E	4401922661	I-AB-20170913	440-192266-2	9/13/2017	Stage 2A	Water			X											
39665E	4401922661	I-AR-20170913	440-192266-3	9/13/2017	Stage 2A	Water			X											
39665E	4401922661	I-B-20170913	440-192266-4	9/13/2017	Stage 2A	Water			X											
39665E	4401922661	I-C-20170913	440-192266-5	9/13/2017	Stage 2A	Water			X											
39665E	4401922661	I-F-20170913	440-192266-6	9/13/2017	Stage 2A	Water			X											
39665E	4401922661	I-L-20170913	440-192266-7	9/13/2017	Stage 2A	Water			X											
39665E	4401922661	I-R-20170913	440-192266-8	9/13/2017	Stage 2A	Water			X											
39665E	4401922661	I-S-20170913	440-192266-9	9/13/2017	Stage 2A	Water			X											
39665E	4401922661	I-X-20170913	440-192266-10	9/13/2017	Stage 2A	Water			X											
39665E	4401922661	I-Y-20170913	440-192266-11	9/13/2017	Stage 2A	Water			X											
39665I	4401922851	I-D-20170914	440-192285-1	9/14/2017	Stage 2A	Water		X		X	X	X			X			X		
39665I	4401922851	I-E-20170914	440-192285-2	9/14/2017	Stage 2A	Water		X		X	X	X			X			X		
39665I	4401922851	I-G-20170914	440-192285-3	9/14/2017	Stage 2A	Water		X		X	X	X			X			X		
39665I	4401922851	I-G-20170914-EB	440-192285-4	9/14/2017	Stage 2A	Water	EB	X		X	X	X			X			X		
39665I	4401922851	I-H-20170914	440-192285-5	9/14/2017	Stage 2A	Water		X		X	X	X			X			X		

Table I

LDC	SDG	Client Sample ID	Lab ID	Sample Date	Validation Level	Matrix	QC Type	Metals (200.7)	Hex Cr (218.6)	Anions (300.0)	Chlorate (300.1B)	Perchlorate (314.0)	Ammonia as N (350.1)	Phenolics (420.4)	Field pH	Nitrate /Nitrite as N & Total Inorganic Nitrogen (Calc)	Spec Cond. (2510B)	TDS (2540C)	TOC (5310C)	Organic Halides (9020B)
39665I	4401922851	I-M-20170914	440-192285-6	9/14/2017	Stage 2A	Water		X		X	X	X			X			X		
39665I	4401922851	I-N-20170914	440-192285-7	9/14/2017	Stage 2A	Water		X		X	X	X			X			X		
39665I	4401922851	I-O-20170914	440-192285-8	9/14/2017	Stage 2A	Water		X		X	X	X			X			X		
39665I	4401922851	I-P-20170914	440-192285-9	9/14/2017	Stage 2A	Water		X		X	X	X			X			X		
39665I	4401922851	I-Q-20170914	440-192285-10	9/14/2017	Stage 2A	Water		X		X	X	X			X			X		
39665I	4401922851	I-T-20170914	440-192285-11	9/14/2017	Stage 2A	Water		X		X	X	X			X			X		
39665I	4401922851	I-U-20170914	440-192285-12	9/14/2017	Stage 2A	Water	FD14	X		X	X	X			X			X		
39665I	4401922851	I-U-20170914-FD	440-192285-13	9/14/2017	Stage 2A	Water	FD14	X		X	X	X			X			X		
39665I	4401922851	I-W-20170914	440-192285-14	9/14/2017	Stage 2A	Water		X		X	X	X			X			X		
39665J	4401924411	ART-1A -20170906	440-192441-1	9/6/2017	Stage 2A	Water			X											
39665J	4401924411	ART-2-20170906	440-192441-2	9/6/2017	Stage 2A	Water			X											
39665J	4401924411	ART-3A-20170906	440-192441-3	9/6/2017	Stage 2A	Water			X											
39665J	4401924411	ART-4-20170906	440-192441-4	9/6/2017	Stage 2A	Water			X											
39665J	4401924411	ART-6-20170906	440-192441-5	9/6/2017	Stage 2A	Water			X											
39665J	4401924411	ART-7B-20170906	440-192441-6	9/6/2017	Stage 2A	Water	FD15		X											
39665J	4401924411	ART-7B-20170906-FD	440-192441-7	9/6/2017	Stage 2A	Water	FD15		X											
39665J	4401924411	ART-8A-20170906	440-192441-8	9/6/2017	Stage 2A	Water			X											
39665J	4401924411	ART-8A-20170906-EB	440-192441-9	9/6/2017	Stage 2A	Water	EB		X											
39665J	4401924411	ART-9-20170906	440-192441-10	9/6/2017	Stage 2A	Water			X											
39665J	4401924411	PC-150-20170906	440-192441-11	9/6/2017	Stage 2A	Water			X											
39665F	4401929011	I-D-20170914	440-192901-1	9/14/2017	Stage 2A	Water			X											
39665F	4401929011	I-E-20170914	440-192901-2	9/14/2017	Stage 2A	Water			X											
39665F	4401929011	I-G-20170914	440-192901-3	9/14/2017	Stage 2A	Water			X											
39665F	4401929011	I-G-20170914-EB	440-192901-4	9/14/2017	Stage 2A	Water	EB		X											
39665F	4401929011	I-H-20170914	440-192901-5	9/14/2017	Stage 2A	Water			X											
39665F	4401929011	I-M-20170914	440-192901-6	9/14/2017	Stage 2A	Water			X											
39665F	4401929011	I-N-20170914	440-192901-7	9/14/2017	Stage 2A	Water			X											
39665F	4401929011	I-O-20170914	440-192901-8	9/14/2017	Stage 2A	Water			X											
39665F	4401929011	I-P-20170914	440-192901-9	9/14/2017	Stage 2A	Water			X											

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LDC	SDG	Client Sample ID	Lab ID	Sample Date	Validation Level	Matrix	QC Type	Metals (200.7)	Hex Cr (218.6)	Anions (300.0)	Chlorate (300.1B)	Perchlorate (314.0)	Ammonia as N (350.1)	Phenolics (420.4)	Field pH	Nitrate /Nitrite as N & Total Inorganic Nitrogen (Calc)	Spec Cond. (2510B)	TDS (2540C)	TOC (5310C)	Organic Halides (9020B)
39665F	4401929011	I-Q-20170914	440-192901-10	9/14/2017	Stage 2A	Water			X											
39665F	4401929011	I-T-20170914	440-192901-11	9/14/2017	Stage 2A	Water			X											
39665F	4401929011	I-U-20170914	440-192901-12	9/14/2017	Stage 2A	Water	FD16		X											
39665F	4401929011	I-U-20170914-FD	440-192901-13	9/14/2017	Stage 2A	Water	FD16		X											
39665F	4401929011	I-W-20170914	440-192901-14	9/14/2017	Stage 2A	Water			X											
39665K	4401929401	LVW 7.2-20170925	440-192940-1	9/25/2017	Stage 2A	Water					X	X						X		
39665K	4401929401	LVW 6.6-1-20170925	440-192940-2	9/25/2017	Stage 2A	Water					X	X						X		
39665K	4401929401	LVW 6.6-2-20170925	440-192940-3	9/25/2017	Stage 2A	Water					X	X						X		
39665K	4401929401	LVW 6.6-3-20170925	440-192940-4	9/25/2017	Stage 2A	Water					X	X						X		
39665K	4401929401	LVW 5.3-1-20170925	440-192940-5	9/25/2017	Stage 2A	Water					X	X						X		
39665K	4401929401	LVW 5.3-2-20170925	440-192940-6	9/25/2017	Stage 2A	Water					X	X						X		
39665K	4401929401	LVW 5.3-3-20170925	440-192940-7	9/25/2017	Stage 2A	Water	FD17				X	X						X		
39665K	4401929401	LVW 5.3-3-20170925-FD	440-192940-8	9/25/2017	Stage 2A	Water	FD17				X	X						X		
39665K	4401929401	LVW 4.2-1-20170925	440-192940-9	9/25/2017	Stage 2A	Water					X	X						X		
39665K	4401929401	LVW 4.2-2-20170925	440-192940-10	9/25/2017	Stage 2A	Water					X	X						X		
39665K	4401929401	LVW 4.2-3-20170925	440-192940-11	9/25/2017	Stage 2A	Water					X	X						X		
39665K	4401929401	LVW 4.2-4-20170925	440-192940-12	9/25/2017	Stage 2A	Water					X	X						X		
39665K	4401929401	LVW 4.2-20170925-FB	440-192940-13	9/25/2017	Stage 2A	Water	FB				X	X						X		
39665L	4401930011	LVW6.05-20170926	440-193001-1	9/26/2017	Stage 2A	Water					X	X						X		
39665L	4401930011	LVW3.5-1-20170926	440-193001-2	9/26/2017	Stage 2A	Water					X	X						X		
39665L	4401930011	LVW3.5-2-20170926	440-193001-3	9/26/2017	Stage 2A	Water					X	X						X		
39665L	4401930011	LVW3.5-3-20170926	440-193001-4	9/26/2017	Stage 2A	Water					X	X						X		
39665L	4401930011	LVW3.5-4-20170926	440-193001-5	9/26/2017	Stage 2A	Water					X	X						X		
39665L	4401930011	LVW3.5-5-20170926	440-193001-6	9/26/2017	Stage 2A	Water					X	X						X		
39665L	4401930011	LVW3.5-6-20170926	440-193001-7	9/26/2017	Stage 2A	Water					X	X						X		
39665L	4401930011	LVW0.55-20170926	440-193001-8	9/26/2017	Stage 2A	Water	FD18				X	X						X		
39665L	4401930011	LVW0.55-20170926-FD	440-193001-9	9/26/2017	Stage 2A	Water	FD18				X	X						X		
40292A	4401935501	PC-99R2/R3-20171004	440-193550-1	10/4/2017	Stage 2A	Water		X		X	X	X			X			X		
40292A	4401935501	PC-115R-20171004	440-193550-2	10/4/2017	Stage 2A	Water		X		X	X	X			X			X		

Table I

LDC	SDG	Client Sample ID	Lab ID	Sample Date	Validation Level	Matrix	QC Type	Metals (200.7)	Hex Cr (218.6)	Anions (300.0)	Chlorate (300.1B)	Perchlorate (314.0)	Ammonia as N (350.1)	Phenolics (420.4)	Field pH	Nitrate /Nitrite as N & Total Inorganic Nitrogen (Calc)	Spec Cond. (2510B)	TDS (2540C)	TOC (5310C)	Organic Halides (9020B)
40292A	4401935501	PC-116R-20171004	440-193550-3	10/4/2017	Stage 2A	Water	FD19	X		X	X	X			X			X		
40292A	4401935501	PC-118-20171004	440-193550-4	10/4/2017	Stage 2A	Water		X		X	X	X			X			X		
40292A	4401935501	PC-119-20171004	440-193550-5	10/4/2017	Stage 2A	Water		X		X	X	X			X			X		
40292A	4401935501	PC-120-20171004	440-193550-6	10/4/2017	Stage 2A	Water		X		X	X	X			X			X		
40292A	4401935501	PC-121-20171004	440-193550-7	10/4/2017	Stage 2A	Water		X		X	X	X			X			X		
40292A	4401935501	PC-117-20171004	440-193550-8	10/4/2017	Stage 2A	Water		X		X	X	X			X			X		
40292A	4401935501	PC-133-20171004	440-193550-9	10/4/2017	Stage 2A	Water		X		X	X	X			X			X		
40292A	4401935501	PC-115R-20171004-EB	440-193550-10	10/4/2017	Stage 2A	Water	EB	X		X	X	X			X			X		
40292A	4401935501	PC-116R-20171004-FD	440-193550-11	10/4/2017	Stage 2A	Water	FD19	X		X	X	X			X			X		
40292B	4401936901	ART-1A-20171005	440-193690-1	10/5/2017	Stage 2A	Water		X		X	X	X			X			X		
40292B	4401936901	ART-2-20171005	440-193690-2	10/5/2017	Stage 2A	Water		X		X	X	X			X			X		
40292B	4401936901	ART-3A-20171005	440-193690-3	10/5/2017	Stage 2A	Water		X		X	X	X			X			X		
40292B	4401936901	ART-4-20171005	440-193690-4	10/5/2017	Stage 2A	Water		X		X	X	X			X			X		
40292B	4401936901	ART-6-20171005	440-193690-5	10/5/2017	Stage 2A	Water		X		X	X	X			X			X		
40292B	4401936901	ART-7B-20171005	440-193690-6	10/5/2017	Stage 2A	Water		X		X	X	X			X			X		
40292B	4401936901	ART-8A-20171005	440-193690-7	10/5/2017	Stage 2A	Water		X		X	X	X			X			X		
40292B	4401936901	ART-9-20171005	440-193690-8	10/5/2017	Stage 2A	Water		X		X	X	X			X			X		
40292B	4401936901	PC-150-20171005	440-193690-9	10/5/2017	Stage 2A	Water	FD20	X		X	X	X			X			X		
40292B	4401936901	ART-2-20171005-EB	440-193690-10	10/5/2017	Stage 2A	Water	EB	X		X	X	X			X			X		
40292B	4401936901	PC-150-20171005-FD	440-193690-11	10/5/2017	Stage 2A	Water	FD20	X		X	X	X			X			X		
40292C	4401937401	ART-1A-20171005	440-193740-1	10/5/2017	Stage 2A	Water			X											
40292C	4401937401	ART-2-20171005	440-193740-2	10/5/2017	Stage 2A	Water			X											
40292C	4401937401	ART-3A-20171005	440-193740-3	10/5/2017	Stage 2A	Water			X											
40292C	4401937401	ART-4-20171005	440-193740-4	10/5/2017	Stage 2A	Water			X											
40292C	4401937401	ART-6-20171005	440-193740-5	10/5/2017	Stage 2A	Water			X											
40292C	4401937401	ART-7B-20171005	440-193740-6	10/5/2017	Stage 2A	Water			X											
40292C	4401937401	ART-8A-20171005	440-193740-7	10/5/2017	Stage 2A	Water			X											
40292C	4401937401	ART-9-20171005	440-193740-8	10/5/2017	Stage 2A	Water			X											
40292C	4401937401	PC-150-20171005	440-193740-9	10/5/2017	Stage 2A	Water	FD21		X											

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LDC	SDG	Client Sample ID	Lab ID	Sample Date	Validation Level	Matrix	QC Type	Metals (200.7)	Hex Cr (218.6)	Anions (300.0)	Chlorate (300.1B)	Perchlorate (314.0)	Ammonia as N (350.1)	Phenolics (420.4)	Field pH	Nitrate /Nitrite as N & Total Inorganic Nitrogen (Calc)	Spec Cond. (2510B)	TDS (2540C)	TOC (5310C)	Organic Halides (9020B)
40292C	4401937401	ART-2-20171005-EB	440-193740-10	10/5/2017	Stage 2A	Water	EB		X											
40292C	4401937401	PC-150-20171005-FD	440-193740-11	10/5/2017	Stage 2A	Water	FD21		X											
40292D	4401939951	I-V-20171010	440-193995-1	10/10/2017	Stage 2A	Water		X		X	X	X			X			X		
40292D	4401939951	I-I-20171010	440-193995-2	10/10/2017	Stage 2A	Water		X		X	X	X			X			X		
40292D	4401939951	I-Z-20171010	440-193995-3	10/10/2017	Stage 2A	Water		X		X	X	X			X			X		
40292D	4401939951	I-Z-20171010-EB	440-193995-4	10/10/2017	Stage 2A	Water	EB	X		X	X	X			X			X		
40292D	4401939951	I-J-20171010	440-193995-5	10/10/2017	Stage 2A	Water		X		X	X	X			X			X		
40292D	4401939951	I-K-20171010	440-193995-6	10/10/2017	Stage 2A	Water		X		X	X	X			X			X		
40292D	4401939951	I-AC-20171010	440-193995-7	10/10/2017	Stage 2A	Water	FD22	X		X	X	X			X			X		
40292D	4401939951	I-AC-20171010-FD	440-193995-8	10/10/2017	Stage 2A	Water	FD22	X		X	X	X			X			X		
40292D	4401939951	I-AD-20171010	440-193995-9	10/10/2017	Stage 2A	Water		X		X	X	X			X			X		
40292D	4401939951	I-AR-20171010	440-193995-10	10/10/2017	Stage 2A	Water		X		X	X	X			X			X		
40292D	4401939951	I-AA-20171010	440-193995-11	10/10/2017	Stage 2A	Water		X		X	X	X			X			X		
40292D	4401939951	I-AB-20171010	440-193995-12	10/10/2017	Stage 2A	Water		X		X	X	X			X			X		
40292D	4401939951	I-B-20171010	440-193995-13	10/10/2017	Stage 2A	Water		X		X	X	X			X			X		
40292D	4401939951	I-R-20171010	440-193995-14	10/10/2017	Stage 2A	Water		X		X	X	X			X			X		
40292D	4401939951	I-Y-20171010	440-193995-15	10/10/2017	Stage 2A	Water		X		X	X	X			X			X		
40292D	4401939951	I-L-20171010	440-193995-16	10/10/2017	Stage 2A	Water		X		X	X	X			X			X		
40292D	4401939951	I-S-20171010	440-193995-17	10/10/2017	Stage 2A	Water		X		X	X	X			X			X		
40292D	4401939951	I-C-20171010	440-193995-18	10/10/2017	Stage 2A	Water		X		X	X	X			X			X		
40292D	4401939951	I-D-20171010	440-193995-19	10/10/2017	Stage 2A	Water		X		X	X	X			X			X		
40292D	4401939951	I-M-20171010	440-193995-20	10/10/2017	Stage 2A	Water		X		X	X	X			X			X		
40292E	4401940031	I-V-20171010	440-194003-1	10/10/2017	Stage 2A	Water			X											
40292E	4401940031	I-I-20171010	440-194003-2	10/10/2017	Stage 2A	Water			X											
40292E	4401940031	I-Z-20171010	440-194003-3	10/10/2017	Stage 2A	Water			X											
40292E	4401940031	I-Z-20171010-EB	440-194003-4	10/10/2017	Stage 2A	Water	EB		X											
40292E	4401940031	I-J-20171010	440-194003-5	10/10/2017	Stage 2A	Water			X											
40292E	4401940031	I-K-20171010	440-194003-6	10/10/2017	Stage 2A	Water			X											
40292E	4401940031	I-AC-20171010	440-194003-7	10/10/2017	Stage 2A	Water	FD23		X											

Table I

LDC	SDG	Client Sample ID	Lab ID	Sample Date	Validation Level	Matrix	QC Type	Metals (200.7)	Hex Cr (218.6)	Anions (300.0)	Chlorate (300.1B)	Perchlorate (314.0)	Ammonia as N (350.1)	Phenolics (420.4)	Field pH	Nitrate /Nitrite as N & Total Inorganic Nitrogen (Calc)	Spec Cond. (2510B)	TDS (2540C)	TOC (5310C)	Organic Halides (9020B)
40292E	4401940031	I-AC-20171010-FD	440-194003-8	10/10/2017	Stage 2A	Water	FD23		X											
40292E	4401940031	I-AD-20171010	440-194003-9	10/10/2017	Stage 2A	Water			X											
40292E	4401940031	I-AR-20171010	440-194003-10	10/10/2017	Stage 2A	Water			X											
40292E	4401940031	I-AA-20171010	440-194003-11	10/10/2017	Stage 2A	Water			X											
40292E	4401940031	I-AB-20171010	440-194003-12	10/10/2017	Stage 2A	Water			X											
40292E	4401940031	I-B-20171010	440-194003-13	10/10/2017	Stage 2A	Water			X											
40292E	4401940031	I-R-20171010	440-194003-14	10/10/2017	Stage 2A	Water			X											
40292E	4401940031	I-Y-20171010	440-194003-15	10/10/2017	Stage 2A	Water			X											
40292E	4401940031	I-L-20171010	440-194003-16	10/10/2017	Stage 2A	Water			X											
40292E	4401940031	I-S-20171010	440-194003-17	10/10/2017	Stage 2A	Water			X											
40292E	4401940031	I-C-20171010	440-194003-18	10/10/2017	Stage 2A	Water			X											
40292E	4401940031	I-D-20171010	440-194003-19	10/10/2017	Stage 2A	Water			X											
40292E	4401940031	I-M-20171010	440-194003-20	10/10/2017	Stage 2A	Water			X											
40292F	4401941061	I-E-20171011	440-194106-1	10/11/2017	Stage 2A	Water		X		X	X	X			X			X		
40292F	4401941061	I-N-20171011	440-194106-2	10/11/2017	Stage 2A	Water		X		X	X	X			X			X		
40292F	4401941061	I-X-20171011	440-194106-3	10/11/2017	Stage 2A	Water		X		X	X	X			X			X		
40292F	4401941061	I-F-20171011	440-194106-4	10/11/2017	Stage 2A	Water		X		X	X	X			X			X		
40292F	4401941061	I-Q-20171011	440-194106-5	10/11/2017	Stage 2A	Water		X		X	X	X			X			X		
40292F	4401941061	I-G-20171011	440-194106-6	10/11/2017	Stage 2A	Water		X		X	X	X			X			X		
40292F	4401941061	I-T-20171011	440-194106-7	10/11/2017	Stage 2A	Water		X		X	X	X			X			X		
40292F	4401941061	I-U-20171011	440-194106-8	10/11/2017	Stage 2A	Water		X		X	X	X			X			X		
40292F	4401941061	I-H-20171011	440-194106-9	10/11/2017	Stage 2A	Water		X		X	X	X			X			X		
40292F	4401941061	I-P-20171011	440-194106-10	10/11/2017	Stage 2A	Water		X		X	X	X			X			X		
40292F	4401941061	I-W-20171011	440-194106-11	10/11/2017	Stage 2A	Water		X		X	X	X			X			X		
40292F	4401941061	I-O-20171011	440-194106-12	10/11/2017	Stage 2A	Water		X		X	X	X			X			X		
40292G	4401942591	PC-99R2/R3-20171004	440-194259-1	10/4/2017	Stage 2A	Water			X											
40292G	4401942591	PC-115R-20171004	440-194259-2	10/4/2017	Stage 2A	Water			X											
40292G	4401942591	PC-116R-20171004	440-194259-3	10/4/2017	Stage 2A	Water			X											
40292G	4401942591	PC-118-20171004	440-194259-4	10/4/2017	Stage 2A	Water			X											

Table I

LDC	SDG	Client Sample ID	Lab ID	Sample Date	Validation Level	Matrix	QC Type	Metals (200.7)	Hex Cr (218.6)	Anions (300.0)	Chlorate (300.1B)	Perchlorate (314.0)	Ammonia as N (350.1)	Phenolics (420.4)	Field pH	Nitrate /Nitrite as N & Total Inorganic Nitrogen (Calc)	Spec Cond. (2510B)	TDS (2540C)	TOC (5310C)	Organic Halides (9020B)
40292G	4401942591	PC-119-20171004	440-194259-5	10/4/2017	Stage 2A	Water			X											
40292G	4401942591	PC-120-20171004	440-194259-6	10/4/2017	Stage 2A	Water			X											
40292G	4401942591	PC-121-20171004	440-194259-7	10/4/2017	Stage 2A	Water			X											
40292G	4401942591	PC-117-20171004	440-194259-8	10/4/2017	Stage 2A	Water			X											
40292G	4401942591	PC-133-20171004	440-194259-9	10/4/2017	Stage 2A	Water			X											
40292G	4401942591	PC-115R-20171004-EB	440-194259-10	10/4/2017	Stage 2A	Water	EB		X											
40292G	4401942591	PC-116R-20171004-FD	440-194259-11	10/4/2017	Stage 2A	Water	FD		X											
40292H	4401942901	I-E-20171011	440-194290-1	10/11/2017	Stage 2A	Water			X											
40292H	4401942901	I-N-20171011	440-194290-2	10/11/2017	Stage 2A	Water			X											
40292H	4401942901	I-X-20171011	440-194290-3	10/11/2017	Stage 2A	Water			X											
40292H	4401942901	I-F-20171011	440-194290-4	10/11/2017	Stage 2A	Water			X											
40292H	4401942901	I-Q-20171011	440-194290-5	10/11/2017	Stage 2A	Water			X											
40292H	4401942901	I-G-20171011	440-194290-6	10/11/2017	Stage 2A	Water			X											
40292H	4401942901	I-T-20171011	440-194290-7	10/11/2017	Stage 2A	Water			X											
40292H	4401942901	I-U-20171011	440-194290-8	10/11/2017	Stage 2A	Water			X											
40292H	4401942901	I-H-20171011	440-194290-9	10/11/2017	Stage 2A	Water			X											
40292H	4401942901	I-P-20171011	440-194290-10	10/11/2017	Stage 2A	Water			X											
40292H	4401942901	I-W-20171011	440-194290-11	10/11/2017	Stage 2A	Water			X											
40292H	4401942901	I-O-20171011	440-194290-12	10/11/2017	Stage 2A	Water			X											
40292I	4401945221	LVW 7.2-20171017	440-194522-1	10/17/2017	Stage 2A	Water					X	X						X		
40292I	4401945221	LVW 6.6-1-20171017	440-194522-2	10/17/2017	Stage 2A	Water					X	X						X		
40292I	4401945221	LVW 6.6-2-20171017	440-194522-3	10/17/2017	Stage 2A	Water					X	X						X		
40292I	4401945221	LVW 6.6-3-20171017	440-194522-4	10/17/2017	Stage 2A	Water					X	X						X		
40292I	4401945221	LVW 5.3-1-20171017	440-194522-5	10/17/2017	Stage 2A	Water					X	X						X		
40292I	4401945221	LVW 5.3-2-20171017	440-194522-6	10/17/2017	Stage 2A	Water					X	X						X		
40292I	4401945221	LVW 5.3-3-20171017	440-194522-7	10/17/2017	Stage 2A	Water	FD24				X	X						X		
40292I	4401945221	LVW 5.3-3-20171017-FD	440-194522-8	10/17/2017	Stage 2A	Water	FD24				X	X						X		
40292I	4401945221	LVW 4.2-1-20171017	440-194522-9	10/17/2017	Stage 2A	Water					X	X						X		
40292I	4401945221	LVW 4.2-2-20171017	440-194522-10	10/17/2017	Stage 2A	Water					X	X						X		

Table I

LDC	SDG	Client Sample ID	Lab ID	Sample Date	Validation Level	Matrix	QC Type	Metals (200.7)	Hex Cr (218.6)	Anions (300.0)	Chlorate (300.1B)	Perchlorate (314.0)	Ammonia as N (350.1)	Phenolics (420.4)	Field pH	Nitrate /Nitrite as N & Total Inorganic Nitrogen (Calc)	Spec Cond. (2510B)	TDS (2540C)	TOC (5310C)	Organic Halides (9020B)
40292I	4401945221	LVW 4.2-3-20171017	440-194522-11	10/17/2017	Stage 2A	Water					X	X						X		
40292I	4401945221	LVW 4.2-4-20171017	440-194522-12	10/17/2017	Stage 2A	Water					X	X						X		
40292J	4401945231	LVW 6.05-20171016	440-194523-1	10/16/2017	Stage 2A	Water					X	X						X		
40292J	4401945231	LVW 3.5-1-20171016	440-194523-2	10/16/2017	Stage 2A	Water					X	X						X		
40292J	4401945231	LVW 3.5-2-20171016	440-194523-3	10/16/2017	Stage 2A	Water					X	X						X		
40292J	4401945231	LVW 3.5-3-20171016	440-194523-4	10/16/2017	Stage 2A	Water					X	X						X		
40292J	4401945231	LVW 3.5-4-20171016	440-194523-5	10/16/2017	Stage 2A	Water					X	X						X		
40292J	4401945231	LVW 3.5-5-20171016	440-194523-6	10/16/2017	Stage 2A	Water					X	X						X		
40292J	4401945231	LVW 3.5-6-20171016	440-194523-7	10/16/2017	Stage 2A	Water	FD25				X	X						X		
40292J	4401945231	LVW 3.5-6-20171016-FD	440-194523-8	10/16/2017	Stage 2A	Water	FD25				X	X						X		
40292J	4401945231	LVW 0.55-20171016	440-194523-9	10/16/2017	Stage 2A	Water					X	X						X		
40292J	4401945231	LVW 0.55-20171016-FB	440-194523-10	10/16/2017	Stage 2A	Water	FB				X	X						X		
40292K	4401950541	I-Z-20171025	440-195054-1	10/25/2017	Stage 2A	Water					X	X						X		
40293A	4401954521	PC-99R2/R3-20171101	440-195452-1	11/1/2017	Stage 2A	Water		X		X	X	X			X			X		
40293A	4401954521	PC-115R-20171101	440-195452-2	11/1/2017	Stage 2A	Water		X		X	X	X			X			X		
40293A	4401954521	PC-116R-20171101	440-195452-3	11/1/2017	Stage 2A	Water		X		X	X	X			X			X		
40293A	4401954521	PC-118-20171101	440-195452-4	11/1/2017	Stage 2A	Water		X		X	X	X			X			X		
40293A	4401954521	PC-119-20171101	440-195452-5	11/1/2017	Stage 2A	Water		X		X	X	X			X			X		
40293A	4401954521	PC-120-20171101	440-195452-6	11/1/2017	Stage 2A	Water		X		X	X	X			X			X		
40293A	4401954521	PC-121-20171101	440-195452-7	11/1/2017	Stage 2A	Water		X		X	X	X			X			X		
40293A	4401954521	PC-117-20171101	440-195452-8	11/1/2017	Stage 2A	Water	FD26	X		X	X	X			X			X		
40293A	4401954521	PC-133-20171101	440-195452-9	11/1/2017	Stage 2A	Water		X		X	X	X			X			X		
40293A	4401954521	PC-117-20171101-FD	440-195452-10	11/1/2017	Stage 2A	Water	FD26	X		X	X	X			X			X		
40293A	4401954521	PC-133-20171101-EB	440-195452-11	11/1/2017	Stage 2A	Water	EB	X		X	X	X			X			X		
40293B	4401955251	PC-99R2/R3-20171101	440-195525-1	11/1/2017	Stage 2A	Water			X											
40293B	4401955251	PC-115R-20171101	440-195525-2	11/1/2017	Stage 2A	Water			X											
40293B	4401955251	PC-116R-20171101	440-195525-3	11/1/2017	Stage 2A	Water			X											
40293B	4401955251	PC-118-20171101	440-195525-4	11/1/2017	Stage 2A	Water			X											
40293B	4401955251	PC-119-20171101	440-195525-5	11/1/2017	Stage 2A	Water			X											

Table I

LDC	SDG	Client Sample ID	Lab ID	Sample Date	Validation Level	Matrix	QC Type	Metals (200.7)	Hex Cr (218.6)	Anions (300.0)	Chlorate (300.1B)	Perchlorate (314.0)	Ammonia as N (350.1)	Phenolics (420.4)	Field pH	Nitrate /Nitrite as N & Total Inorganic Nitrogen (Calc)	Spec Cond. (2510B)	TDS (2540C)	TOC (5310C)	Organic Halides (9020B)
40293B	4401955251	PC-120-20171101	440-195525-6	11/1/2017	Stage 2A	Water			X											
40293B	4401955251	PC-121-20171101	440-195525-7	11/1/2017	Stage 2A	Water			X											
40293B	4401955251	PC-117-20171101	440-195525-8	11/1/2017	Stage 2A	Water	FD27		X											
40293B	4401955251	PC-133-20171101	440-195525-9	11/1/2017	Stage 2A	Water			X											
40293B	4401955251	PC-117-20171101-FD	440-195525-10	11/1/2017	Stage 2A	Water	FD27		X											
40293B	4401955251	PC-133-20171101-EB	440-195525-11	11/1/2017	Stage 2A	Water	EB		X											
40293C	4401955921	ART-1A-20171102	440-195592-1	11/2/2017	Stage 2A	Water	FD28	X		X	X	X			X			X		
40293C	4401955921	ART-2-20171102	440-195592-2	11/2/2017	Stage 2A	Water		X		X	X	X			X			X		
40293C	4401955921	ART-3A-20171102	440-195592-3	11/2/2017	Stage 2A	Water		X		X	X	X			X			X		
40293C	4401955921	ART-4-20171102	440-195592-4	11/2/2017	Stage 2A	Water		X		X	X	X			X			X		
40293C	4401955921	ART-6-20171102	440-195592-5	11/2/2017	Stage 2A	Water		X		X	X	X			X			X		
40293C	4401955921	ART-7B-20171102	440-195592-6	11/2/2017	Stage 2A	Water		X		X	X	X			X			X		
40293C	4401955921	ART-8A-20171102	440-195592-7	11/2/2017	Stage 2A	Water		X		X	X	X			X			X		
40293C	4401955921	ART-9-20171102	440-195592-8	11/2/2017	Stage 2A	Water		X		X	X	X			X			X		
40293C	4401955921	PC-150-20171102	440-195592-9	11/2/2017	Stage 2A	Water		X		X	X	X			X			X		
40293C	4401955921	ART-1A-20171102-FD	440-195592-10	11/2/2017	Stage 2A	Water	FD28	X		X	X	X			X			X		
40293C	4401955921	ART-9-20171102-EB	440-195592-11	11/2/2017	Stage 2A	Water	EB	X		X	X	X			X			X		
40293I	4401957721	PC-60-20171106	440-195772-1	11/6/2017	Stage 2A	Water		X		X	X	X						X		
40293I	4401957721	PC-62-20171106	440-195772-2	11/6/2017	Stage 2A	Water		X		X	X	X						X		
40293I	4401957721	PC-59-20171106	440-195772-3	11/6/2017	Stage 2A	Water		X		X	X	X						X		
40293I	4401957721	PC-56-20171106	440-195772-4	11/6/2017	Stage 2A	Water		X		X	X	X						X		
40293I	4401957721	PC-91-20171106	440-195772-5	11/6/2017	Stage 2A	Water		X		X	X	X						X		
40293I	4401957721	PC-91-20171106-FB5	440-195772-6	11/6/2017	Stage 2A	Water	FB	X		X	X	X						X		
40293I	4401957721	PC-58-20171106	440-195772-7	11/6/2017	Stage 2A	Water		X		X	X	X						X		
40293I	4401957721	PC-155B-20171106	440-195772-8	11/6/2017	Stage 2A	Water		X		X	X	X						X		
40293I	4401957721	PC-155B-20171106-EB5	440-195772-9	11/6/2017	Stage 2A	Water	EB	X		X	X	X						X		
40293J	4401959231	PC-86-20171107	440-195923-1	11/7/2017	Stage 2A	Water		X		X	X	X						X		
40293J	4401959231	PC-155A-20171107	440-195923-2	11/7/2017	Stage 2A	Water		X		X	X	X						X		
40293J	4401959231	PC-98R-20171107	440-195923-3	11/7/2017	Stage 2A	Water		X		X	X	X						X		

Table I

LDC	SDG	Client Sample ID	Lab ID	Sample Date	Validation Level	Matrix	QC Type	Metals (200.7)	Hex Cr (218.6)	Anions (300.0)	Chlorate (300.1B)	Perchlorate (314.0)	Ammonia as N (350.1)	Phenolics (420.4)	Field pH	Nitrate /Nitrite as N & Total Inorganic Nitrogen (Calc)	Spec Cond. (2510B)	TDS (2540C)	TOC (5310C)	Organic Halides (9020B)
40293J	4401959231	ARP-3A-20171107	440-195923-4	11/7/2017	Stage 2A	Water		X		X	X	X						X		
40293J	4401959231	ARP-3A-20171107-EB6	440-195923-5	11/7/2017	Stage 2A	Water	EB	X		X	X	X						X		
40293J	4401959231	PC-160-20171107	440-195923-6	11/7/2017	Stage 2A	Water		X		X	X	X						X		
40293J	4401959231	PC-148-20171107	440-195923-7	11/7/2017	Stage 2A	Water		X		X	X	X						X		
40293J	4401959231	ARP-5A-20171107	440-195923-8	11/7/2017	Stage 2A	Water		X		X	X	X						X		
40293J	4401959231	PC-159-20171107	440-195923-9	11/7/2017	Stage 2A	Water		X		X	X	X						X		
40293J	4401959231	PC-156B-20171107	440-195923-10	11/7/2017	Stage 2A	Water		X		X	X	X						X		
40293J	4401959231	MW-K5-20171107	440-195923-11	11/7/2017	Stage 2A	Water	FD29	X		X	X	X						X		
40293J	4401959231	MW-K5-20171107-FD5	440-195923-12	11/7/2017	Stage 2A	Water	FD29	X		X	X	X						X		
40293J	4401959231	PC-53-20171107	440-195923-13	11/7/2017	Stage 2A	Water		X		X	X	X						X		
40293J	4401959231	PC-103-20171107	440-195923-14	11/7/2017	Stage 2A	Water		X		X	X	X						X		
40293J	4401959231	MW-K4-20171107	440-195923-15	11/7/2017	Stage 2A	Water		X		X	X	X						X		
40293J	4401959231	PC-136-20171107	440-195923-16	11/7/2017	Stage 2A	Water		X		X	X	X						X		
40293J	4401959231	ARP-2A-20171107	440-195923-17	11/7/2017	Stage 2A	Water		X		X	X	X						X		
40293J	4401959231	PC-18-20171107	440-195923-18	11/7/2017	Stage 2A	Water		X		X	X	X						X		
40293J	4401959231	PC-55-20171107	440-195923-19	11/7/2017	Stage 2A	Water		X		X	X	X						X		
40293J	4401959231	PC-122-20171107	440-195923-20	11/7/2017	Stage 2A	Water		X		X	X	X						X		
40293J	4401959231	PC-158-20171107	440-195923-21	11/7/2017	Stage 2A	Water		X		X	X	X						X		
40293J	4401959231	PC-97-20171107	440-195923-22	11/7/2017	Stage 2A	Water		X		X	X	X						X		
40293J	4401959231	PC-156A-20171107	440-195923-23	11/7/2017	Stage 2A	Water		X		X	X	X						X		
40293J	4401959231	PC-90-20171107	440-195923-24	11/7/2017	Stage 2A	Water		X		X	X	X						X		
40293J	4401959231	PC-157B-20171107	440-195923-25	11/7/2017	Stage 2A	Water		X		X	X	X						X		
40293J	4401959231	ARP-6B-20171107	440-195923-26	11/7/2017	Stage 2A	Water	FD30	X		X	X	X						X		
40293J	4401959231	ARP-6B-20171107-FD6	440-195923-27	11/7/2017	Stage 2A	Water	FD30	X		X	X	X						X		
40293J	4401959231	ARP-7-20171107	440-195923-28	11/7/2017	Stage 2A	Water		X		X	X	X						X		
40293J	4401959231	PC-101R-20171107	440-195923-29	11/7/2017	Stage 2A	Water		X		X	X	X						X		
40293J	4401959231	PC-101R-20171107-FB6	440-195923-30	11/7/2017	Stage 2A	Water	FB	X		X	X	X						X		
40293J	4401959231	PC-135A-20171107	440-195923-31	11/7/2017	Stage 2A	Water		X		X	X	X						X		
40293J	4401959231	PC-144-20171107	440-195923-32	11/7/2017	Stage 2A	Water		X		X	X	X						X		

Table I

LDC	SDG	Client Sample ID	Lab ID	Sample Date	Validation Level	Matrix	QC Type	Metals (200.7)	Hex Cr (218.6)	Anions (300.0)	Chlorate (300.1B)	Perchlorate (314.0)	Ammonia as N (350.1)	Phenolics (420.4)	Field pH	Nitrate /Nitrite as N & Total Inorganic Nitrogen (Calc)	Spec Cond. (2510B)	TDS (2540C)	TOC (5310C)	Organic Halides (9020B)
40293J	4401959231	PC-134D-20171107	440-195923-33	11/7/2017	Stage 2A	Water		X		X	X	X						X		
40293J	4401959231	PC-137D-20171107	440-195923-34	11/7/2017	Stage 2A	Water		X		X	X	X						X		
40293K	4401959241	I-V-20171107	440-195924-1	11/7/2017	Stage 2A	Water			X											
40293K	4401959241	I-I-20171107	440-195924-2	11/7/2017	Stage 2A	Water			X											
40293K	4401959241	I-Z-20171107	440-195924-3	11/7/2017	Stage 2A	Water			X											
40293K	4401959241	I-J-20171107	440-195924-4	11/7/2017	Stage 2A	Water			X											
40293K	4401959241	I-K-20171107	440-195924-5	11/7/2017	Stage 2A	Water	FD31		X											
40293K	4401959241	I-AC-20171107	440-195924-6	11/7/2017	Stage 2A	Water			X											
40293K	4401959241	I-AD-20171107	440-195924-7	11/7/2017	Stage 2A	Water			X											
40293K	4401959241	I-J-20171107-EB	440-195924-8	11/7/2017	Stage 2A	Water	EB		X											
40293K	4401959241	I-K-20171107-FD	440-195924-9	11/7/2017	Stage 2A	Water	FD31		X											
40293D	4401959251	I-V-20171107	440-195925-1	11/7/2017	Stage 2A	Water		X		X	X	X			X			X		
40293D	4401959251	I-I-20171107	440-195925-2	11/7/2017	Stage 2A	Water		X		X	X	X			X			X		
40293D	4401959251	I-Z-20171107	440-195925-3	11/7/2017	Stage 2A	Water		X		X	X	X			X			X		
40293D	4401959251	I-J-20171107	440-195925-4	11/7/2017	Stage 2A	Water		X		X	X	X			X			X		
40293D	4401959251	I-K-20171107	440-195925-5	11/7/2017	Stage 2A	Water	FD32	X		X	X	X			X			X		
40293D	4401959251	I-AC-20171107	440-195925-6	11/7/2017	Stage 2A	Water		X		X	X	X			X			X		
40293D	4401959251	I-AD-20171107	440-195925-7	11/7/2017	Stage 2A	Water		X		X	X	X			X			X		
40293D	4401959251	I-J-20171107-EB	440-195925-8	11/7/2017	Stage 2A	Water	EB	X		X	X	X			X			X		
40293D	4401959251	I-K-20171107-FD	440-195925-9	11/7/2017	Stage 2A	Water	FD32	X		X	X	X			X			X		
40293L	4401960401	I-AA-20171108	440-196040-1	11/8/2017	Stage 2A	Water		X		X	X	X			X			X		
40293L	4401960401	I-AB-20171108	440-196040-2	11/8/2017	Stage 2A	Water		X		X	X	X			X			X		
40293L	4401960401	I-AR-20171108	440-196040-3	11/8/2017	Stage 2A	Water		X		X	X	X			X			X		
40293L	4401960401	I-B-20171108	440-196040-4	11/8/2017	Stage 2A	Water		X		X	X	X			X			X		
40293L	4401960401	I-C-20171108	440-196040-5	11/8/2017	Stage 2A	Water		X		X	X	X			X			X		
40293L	4401960401	I-D-20171108	440-196040-6	11/8/2017	Stage 2A	Water		X		X	X	X			X			X		
40293L	4401960401	I-E-20171108	440-196040-7	11/8/2017	Stage 2A	Water		X		X	X	X			X			X		
40293L	4401960401	I-F-20171108	440-196040-8	11/8/2017	Stage 2A	Water		X		X	X	X			X			X		
40293L	4401960401	I-L-20171108	440-196040-9	11/8/2017	Stage 2A	Water		X		X	X	X			X			X		

Table I

LDC	SDG	Client Sample ID	Lab ID	Sample Date	Validation Level	Matrix	QC Type	Metals (200.7)	Hex Cr (218.6)	Anions (300.0)	Chlorate (300.1B)	Perchlorate (314.0)	Ammonia as N (350.1)	Phenolics (420.4)	Field pH	Nitrate /Nitrite as N & Total Inorganic Nitrogen (Calc)	Spec Cond. (2510B)	TDS (2540C)	TOC (5310C)	Organic Halides (9020B)
40293L	4401960401	I-M-20171108	440-196040-10	11/8/2017	Stage 2A	Water		X		X	X	X			X			X		
40293L	4401960401	I-N-20171108	440-196040-11	11/8/2017	Stage 2A	Water		X		X	X	X			X			X		
40293L	4401960401	I-R-20171108	440-196040-12	11/8/2017	Stage 2A	Water		X		X	X	X			X			X		
40293L	4401960401	I-S-20171108	440-196040-13	11/8/2017	Stage 2A	Water		X		X	X	X			X			X		
40293L	4401960401	I-X-20171108	440-196040-14	11/8/2017	Stage 2A	Water		X		X	X	X			X			X		
40293L	4401960401	I-Y-20171108	440-196040-15	11/8/2017	Stage 2A	Water		X		X	X	X			X			X		
40293M	4401960411	I-AA-20171108	440-196041-1	11/8/2017	Stage 2A	Water			X											
40293M	4401960411	I-AB-20171108	440-196041-2	11/8/2017	Stage 2A	Water			X											
40293M	4401960411	I-AR-20171108	440-196041-3	11/8/2017	Stage 2A	Water			X											
40293M	4401960411	I-B-20171108	440-196041-4	11/8/2017	Stage 2A	Water			X											
40293M	4401960411	I-C-20171108	440-196041-5	11/8/2017	Stage 2A	Water			X											
40293M	4401960411	I-D-20171108	440-196041-6	11/8/2017	Stage 2A	Water			X											
40293M	4401960411	I-E-20171108	440-196041-7	11/8/2017	Stage 2A	Water			X											
40293M	4401960411	I-F-20171108	440-196041-8	11/8/2017	Stage 2A	Water			X											
40293M	4401960411	I-L-20171108	440-196041-9	11/8/2017	Stage 2A	Water			X											
40293M	4401960411	I-M-20171108	440-196041-10	11/8/2017	Stage 2A	Water			X											
40293M	4401960411	I-N-20171108	440-196041-11	11/8/2017	Stage 2A	Water			X											
40293M	4401960411	I-R-20171108	440-196041-12	11/8/2017	Stage 2A	Water			X											
40293M	4401960411	I-S-20171108	440-196041-13	11/8/2017	Stage 2A	Water			X											
40293M	4401960411	I-X-20171108	440-196041-14	11/8/2017	Stage 2A	Water			X											
40293M	4401960411	I-Y-20171108	440-196041-15	11/8/2017	Stage 2A	Water			X											
40293E	4401960421	ARP-1-20171108	440-196042-1	11/8/2017	Stage 2A	Water		X		X	X	X						X		
40293E	4401960421	PC-124-20171108	440-196042-2	11/8/2017	Stage 2A	Water		X		X	X	X						X		
40293E	4401960421	PC-125-20171108	440-196042-3	11/8/2017	Stage 2A	Water		X		X	X	X						X		
40293E	4401960421	PC-126-20171108	440-196042-4	11/8/2017	Stage 2A	Water		X		X	X	X						X		
40293E	4401960421	M-68-20171108	440-196042-5	11/8/2017	Stage 2A	Water		X		X	X	X						X		
40293E	4401960421	PC-154-20171108	440-196042-6	11/8/2017	Stage 2A	Water	FD33	X		X	X	X						X		
40293E	4401960421	PC-154-20171108-FD9	440-196042-7	11/8/2017	Stage 2A	Water	FD33	X		X	X	X						X		
40293E	4401960421	M-23-20171108	440-196042-8	11/8/2017	Stage 2A	Water		X		X	X	X						X		

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LDC	SDG	Client Sample ID	Lab ID	Sample Date	Validation Level	Matrix	QC Type	Metals (200.7)	Hex Cr (218.6)	Anions (300.0)	Chlorate (300.1B)	Perchlorate (314.0)	Ammonia as N (350.1)	Phenolics (420.4)	Field pH	Nitrate /Nitrite as N & Total Inorganic Nitrogen (Calc)	Spec Cond. (2510B)	TDS (2540C)	TOC (5310C)	Organic Halides (9020B)
40293E	4401960421	PC-127-20171108	440-196042-9	11/8/2017	Stage 2A	Water		X		X	X	X						X		
40293E	4401960421	PC-129-20171108	440-196042-10	11/8/2017	Stage 2A	Water		X		X	X	X						X		
40293E	4401960421	PC-54-20171108	440-196042-11	11/8/2017	Stage 2A	Water		X		X	X	X						X		
40293E	4401960421	PC-54-20171108-EB7	440-196042-12	11/8/2017	Stage 2A	Water	EB	X		X	X	X						X		
40293E	4401960421	M-44-20171108	440-196042-13	11/8/2017	Stage 2A	Water	FD34	X	X	X	X	X						X		
40293E	4401960421	M-44-20171108-FD4	440-196042-14	11/8/2017	Stage 2A	Water	FD34	X	X	X	X	X						X		
40293E	4401960421	M-37-20171108	440-196042-15	11/8/2017	Stage 2A	Water		X	X	X	X	X						X		
40293E	4401960421	PC-128-20171108	440-196042-16	11/8/2017	Stage 2A	Water		X		X	X	X						X		
40293E	4401960421	M-48A-20171108	440-196042-17	11/8/2017	Stage 2A	Water		X		X	X	X						X		
40293E	4401960421	M-69-20171108	440-196042-18	11/8/2017	Stage 2A	Water		X		X	X	X						X		
40293E	4401960421	PC-71-20171108	440-196042-19	11/8/2017	Stage 2A	Water		X		X	X	X						X		
40293E	4401960421	PC-72-20171108	440-196042-20	11/8/2017	Stage 2A	Water		X		X	X	X						X		
40293E	4401960421	PC-152-20171108	440-196042-21	11/8/2017	Stage 2A	Water		X		X	X	X						X		
40293E	4401960421	PC-151-20171108	440-196042-22	11/8/2017	Stage 2A	Water		X		X	X	X						X		
40293E	4401960421	PC-151-20171108-FB8	440-196042-23	11/8/2017	Stage 2A	Water	FB	X		X	X	X						X		
40293E	4401960421	M-38-20171108	440-196042-24	11/8/2017	Stage 2A	Water		X	X	X	X	X						X		
40293E	4401960421	M-38-20171108-EB4	440-196042-25	11/8/2017	Stage 2A	Water	EB	X	X	X	X	X						X		
40293E	4401960421	PC-94-20171107	440-196042-26	11/7/2017	Stage 2A	Water		X		X	X	X						X		
40293E	4401960421	PC-149-20171108-FB7	440-196042-27	11/8/2017	Stage 2A	Water	FB	X		X	X	X						X		
40293E	4401960421	PC-149-20171108	440-196042-28	11/8/2017	Stage 2A	Water		X		X	X	X						X		
40293E	4401960421	PC-132-20171108	440-196042-29	11/8/2017	Stage 2A	Water		X		X	X	X						X		
40293E	4401960421	PC-153R-20171108	440-196042-30	11/8/2017	Stage 2A	Water		X		X	X	X						X		
40293E	4401960421	M-35-20171108	440-196042-31	11/8/2017	Stage 2A	Water		X		X	X	X						X		
40293E	4401960421	M-19-20171108	440-196042-32	11/8/2017	Stage 2A	Water		X		X	X	X						X		
40293E	4401960421	PC-123-20171108	440-196042-33	11/8/2017	Stage 2A	Water		X		X	X	X						X		
40293E	4401960421	PC-157A-20171108	440-196042-34	11/8/2017	Stage 2A	Water		X		X	X	X						X		
40293E	4401960421	PC-130-20171108	440-196042-35	11/8/2017	Stage 2A	Water		X		X	X	X						X		
40293E	4401960421	PC-131-20171108	440-196042-36	11/8/2017	Stage 2A	Water	FD35	X		X	X	X						X		
40293E	4401960421	PC-131-20171108-FD7	440-196042-37	11/8/2017	Stage 2A	Water	FD35	X		X	X	X						X		

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LDC	SDG	Client Sample ID	Lab ID	Sample Date	Validation Level	Matrix	QC Type	Metals (200.7)	Hex Cr (218.6)	Anions (300.0)	Chlorate (300.1B)	Perchlorate (314.0)	Ammonia as N (350.1)	Phenolics (420.4)	Field pH	Nitrate /Nitrite as N & Total Inorganic Nitrogen (Calc)	Spec Cond. (2510B)	TDS (2540C)	TOC (5310C)	Organic Halides (9020B)
40293E	4401960421	M-83-20171108	440-196042-38	11/8/2017	Stage 2A	Water		X		X	X	X						X		
40293N	4401961591	M-10-20171109	440-196159-1	11/9/2017	Stage 2A	Water		X	X	X	X	X	X			X		X		
40293N	4401961591	M-57A-20171109	440-196159-2	11/9/2017	Stage 2A	Water		X		X	X	X						X		
40293N	4401961591	M-135-20171109	440-196159-3	11/9/2017	Stage 2A	Water		X		X	X	X						X		
40293N	4401961591	M-22A-20171109	440-196159-4	11/9/2017	Stage 2A	Water		X		X	X	X						X		
40293N	4401961591	M-22A-20171109-FB9	440-196159-5	11/9/2017	Stage 2A	Water	FB	X		X	X	X						X		
40293N	4401961591	M-70-20171109	440-196159-6	11/9/2017	Stage 2A	Water		X		X	X	X						X		
40293N	4401961591	M-71-20171109	440-196159-7	11/9/2017	Stage 2A	Water		X		X	X	X						X		
40293N	4401961591	M-72-20171109	440-196159-8	11/9/2017	Stage 2A	Water		X		X	X	X						X		
40293N	4401961591	M-66-20171109	440-196159-9	11/9/2017	Stage 2A	Water		X		X	X	X						X		
40293N	4401961591	M-25-20171109	440-196159-10	11/9/2017	Stage 2A	Water		X		X	X	X						X		
40293N	4401961591	M-161D-20171109	440-196159-11	11/9/2017	Stage 2A	Water		X		X	X	X						X		
40293N	4401961591	M-162D-20171109	440-196159-12	11/9/2017	Stage 2A	Water		X		X	X	X						X		
40293N	4401961591	M-186D-20171109	440-196159-13	11/9/2017	Stage 2A	Water		X		X	X	X						X		
40293N	4401961591	M-74-20171109	440-196159-14	11/9/2017	Stage 2A	Water		X		X	X	X						X		
40293N	4401961591	M-74-20171109-EB8	440-196159-15	11/9/2017	Stage 2A	Water	EB	X		X	X	X						X		
40293N	4401961591	M-193-20171109	440-196159-16	11/9/2017	Stage 2A	Water		X		X	X	X						X		
40293N	4401961591	M-192-20171109	440-196159-17	11/9/2017	Stage 2A	Water		X		X	X	X						X		
40293N	4401961591	M-189-20171109	440-196159-18	11/9/2017	Stage 2A	Water		X		X	X	X						X		
40293N	4401961591	M-81A-20171109	440-196159-19	11/9/2017	Stage 2A	Water		X		X	X	X						X		
40293N	4401961591	M-81A-20171109-EB9	440-196159-20	11/9/2017	Stage 2A	Water	EB	X		X	X	X						X		
40293N	4401961591	M-12A-20171109	440-196159-21	11/9/2017	Stage 2A	Water		X	X	X	X	X						X		
40293N	4401961591	M-191-20171109	440-196159-22	11/9/2017	Stage 2A	Water		X		X	X	X						X		
40293N	4401961591	M-31A-20171109	440-196159-23	11/9/2017	Stage 2A	Water		X		X	X	X						X		
40293N	4401961591	M-80-20171109	440-196159-24	11/9/2017	Stage 2A	Water		X	X	X	X	X						X		
40293N	4401961591	M-80-20171109-FB4	440-196159-25	11/9/2017	Stage 2A	Water	FB	X	X	X	X	X						X		
40293N	4401961591	M-11-20171109	440-196159-26	11/9/2017	Stage 2A	Water		X	X	X	X	X						X		
40293N	4401961591	M-79-20171109	440-196159-27	11/9/2017	Stage 2A	Water		X		X	X	X						X		
40293N	4401961591	M-14A-20171109	440-196159-28	11/9/2017	Stage 2A	Water		X		X	X	X						X		

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LDC	SDG	Client Sample ID	Lab ID	Sample Date	Validation Level	Matrix	QC Type	Metals (200.7)	Hex Cr (218.6)	Anions (300.0)	Chlorate (300.1B)	Perchlorate (314.0)	Ammonia as N (350.1)	Phenolics (420.4)	Field pH	Nitrate /Nitrite as N & Total Inorganic Nitrogen (Calc)	Spec Cond. (2510B)	TDS (2540C)	TOC (5310C)	Organic Halides (9020B)
40293N	4401961591	M-64-20171109	440-196159-29	11/9/2017	Stage 2A	Water		X		X	X	X						X		
40293N	4401961591	M-65-20171109	440-196159-30	11/9/2017	Stage 2A	Water	FD36	X		X	X	X						X		
40293N	4401961591	M-65-20171109-FD8	440-196159-31	11/9/2017	Stage 2A	Water	FD36	X		X	X	X						X		
40293O	4401962121	I-Q-20171109	440-196212-1	11/9/2017	Stage 2A	Water		X		X	X	X						X		
40293O	4401962121	I-G-20171109	440-196212-2	11/9/2017	Stage 2A	Water		X		X	X	X						X		
40293O	4401962121	I-T-20171109	440-196212-3	11/9/2017	Stage 2A	Water		X		X	X	X						X		
40293O	4401962121	I-U-20171109	440-196212-4	11/9/2017	Stage 2A	Water		X		X	X	X						X		
40293O	4401962121	I-H-20171109	440-196212-5	11/9/2017	Stage 2A	Water		X		X	X	X						X		
40293O	4401962121	I-P-20171109	440-196212-6	11/9/2017	Stage 2A	Water		X		X	X	X						X		
40293O	4401962121	I-W-20171109	440-196212-7	11/9/2017	Stage 2A	Water		X		X	X	X						X		
40293O	4401962121	I-O-20171109	440-196212-8	11/9/2017	Stage 2A	Water		X		X	X	X						X		
40293F	4401962711	M-52-20171110	440-196271-1	11/10/2017	Stage 2A	Water		X		X	X	X						X		
40293F	4401962711	M-190-20171110	440-196271-2	11/10/2017	Stage 2A	Water		X		X	X	X						X		
40293F	4401962711	M-67-20171110	440-196271-3	11/10/2017	Stage 2A	Water		X		X	X	X						X		
40293F	4401962711	M-73-20171110	440-196271-4	11/10/2017	Stage 2A	Water		X		X	X	X						X		
40293G	4401965471	LVW4.2-1-20171114	440-196547-1	11/14/2017	Stage 2A	Water					X	X						X		
40293G	4401965471	LVW4.2-2-20171114	440-196547-2	11/14/2017	Stage 2A	Water					X	X						X		
40293G	4401965471	LVW4.2-3-20171114	440-196547-3	11/14/2017	Stage 2A	Water					X	X						X		
40293G	4401965471	LVW4.2-4-20171114	440-196547-4	11/14/2017	Stage 2A	Water					X	X						X		
40293H	4401965491	LVW7.2-20171114	440-196549-1	11/14/2017	Stage 2A	Water					X	X						X		
40293H	4401965491	LVW6.6-1-20171114	440-196549-2	11/14/2017	Stage 2A	Water					X	X						X		
40293H	4401965491	LVW6.6-2-20171114	440-196549-3	11/14/2017	Stage 2A	Water					X	X						X		
40293H	4401965491	LVW6.6-3-20171114	440-196549-4	11/14/2017	Stage 2A	Water	FD37				X	X						X		
40293H	4401965491	LVW6.6-1-20171114-FD	440-196549-5	11/14/2017	Stage 2A	Water	FD37				X	X						X		
40293H	4401965491	LVW5.3-1-20171114	440-196549-6	11/14/2017	Stage 2A	Water					X	X						X		
40293H	4401965491	LVW5.3-2-20171114	440-196549-7	11/14/2017	Stage 2A	Water					X	X						X		
40293H	4401965491	LVW5.3-3-20171114	440-196549-8	11/14/2017	Stage 2A	Water					X	X						X		
40293R	4401965501	LVW6.05-20171113	440-196550-1	11/13/2017	Stage 2A	Water					X	X						X		
40293R	4401965501	LVW3.5-1-20171113	440-196550-2	11/13/2017	Stage 2A	Water					X	X						X		

Table I

LDC	SDG	Client Sample ID	Lab ID	Sample Date	Validation Level	Matrix	QC Type	Metals (200.7)	Hex Cr (218.6)	Anions (300.0)	Chlorate (300.1B)	Perchlorate (314.0)	Ammonia as N (350.1)	Phenolics (420.4)	Field pH	Nitrate /Nitrite as N & Total Inorganic Nitrogen (Calc)	Spec Cond. (2510B)	TDS (2540C)	TOC (5310C)	Organic Halides (9020B)
40293R	4401965501	LVW3.5-2-20171113	440-196550-3	11/13/2017	Stage 2A	Water					X	X						X		
40293R	4401965501	LVW3.5-3-20171113	440-196550-4	11/13/2017	Stage 2A	Water					X	X						X		
40293R	4401965501	LVW3.5-4-20171113	440-196550-5	11/13/2017	Stage 2A	Water					X	X						X		
40293R	4401965501	LVW3.5-5-20171113	440-196550-6	11/13/2017	Stage 2A	Water					X	X						X		
40293R	4401965501	LVW3.5-6-20171113	440-196550-7	11/13/2017	Stage 2A	Water	FD38				X	X						X		
40293R	4401965501	LVW3.5-6-20171113-FD	440-196550-8	11/13/2017	Stage 2A	Water	FD38				X	X						X		
40293R	4401965501	LVW0.55-20171113	440-196550-9	11/13/2017	Stage 2A	Water					X	X						X		
40293R	4401965501	LVW0.55-20171113-FB	440-196550-10	11/13/2017	Stage 2A	Water	FB				X	X						X		
40293P	4401971021	ART-1A-20171102	440-197102-1	11/2/2017	Stage 2A	Water	FD39		X											
40293P	4401971021	ART-2-20171102	440-197102-2	11/2/2017	Stage 2A	Water			X											
40293P	4401971021	ART-3A-20171102	440-197102-3	11/2/2017	Stage 2A	Water			X											
40293P	4401971021	ART-4-20171102	440-197102-4	11/2/2017	Stage 2A	Water			X											
40293P	4401971021	ART-6-20171102	440-197102-5	11/2/2017	Stage 2A	Water			X											
40293P	4401971021	ART-7B-20171102	440-197102-6	11/2/2017	Stage 2A	Water			X											
40293P	4401971021	ART-8A-20171102	440-197102-7	11/2/2017	Stage 2A	Water			X											
40293P	4401971021	ART-9-20171102	440-197102-8	11/2/2017	Stage 2A	Water			X											
40293P	4401971021	PC-150-20171102	440-197102-9	11/2/2017	Stage 2A	Water			X											
40293P	4401971021	ART-1A-20171102-FD	440-197102-10	11/2/2017	Stage 2A	Water	FD39		X											
40293P	4401971021	ART-9-20171102-EB	440-197102-11	11/2/2017	Stage 2A	Water	EB		X											
40354A	4401979181	PC-99R2/R3-20171206	440-197918-1	12/6/2017	Stage 2A	Water		X		X	X	X			X			X		
40354A	4401979181	PC-115R-20171206	440-197918-2	12/6/2017	Stage 2A	Water	FD40	X		X	X	X			X			X		
40354A	4401979181	PC-116R-20171206	440-197918-3	12/6/2017	Stage 2A	Water		X		X	X	X			X			X		
40354A	4401979181	PC-118-20171206	440-197918-4	12/6/2017	Stage 2A	Water		X		X	X	X			X			X		
40354A	4401979181	PC-119-20171206	440-197918-5	12/6/2017	Stage 2A	Water		X		X	X	X			X			X		
40354A	4401979181	PC-120-20171206	440-197918-6	12/6/2017	Stage 2A	Water		X		X	X	X			X			X		
40354A	4401979181	PC-121-20171206	440-197918-7	12/6/2017	Stage 2A	Water		X		X	X	X			X			X		
40354A	4401979181	PC-117-20171206	440-197918-8	12/6/2017	Stage 2A	Water		X		X	X	X			X			X		
40354A	4401979181	PC-133-20171206	440-197918-9	12/6/2017	Stage 2A	Water		X		X	X	X			X			X		
40354A	4401979181	PC-115R-20171206-FD	440-197918-10	12/6/2017	Stage 2A	Water	FD40	X		X	X	X			X			X		

Table I

LDC	SDG	Client Sample ID	Lab ID	Sample Date	Validation Level	Matrix	QC Type	Metals (200.7)	Hex Cr (218.6)	Anions (300.0)	Chlorate (300.1B)	Perchlorate (314.0)	Ammonia as N (350.1)	Phenolics (420.4)	Field pH	Nitrate /Nitrite as N & Total Inorganic Nitrogen (Calc)	Spec Cond. (2510B)	TDS (2540C)	TOC (5310C)	Organic Halides (9020B)
40354A	4401979181	PC-99R2/R3-20171206-EB	440-197918-11	12/6/2017	Stage 2A	Water	EB	X		X	X	X			X			X		
40354B	4401979271	ART-6-20171206	440-197927-1	12/6/2017	Stage 2A	Water		X		X	X	X			X			X		
40354C	4401980491	ART-1A-20171207	440-198049-1	12/7/2017	Stage 2A	Water		X		X	X	X			X			X		
40354C	4401980491	ART-2-20171207	440-198049-2	12/7/2017	Stage 2A	Water	FD41	X		X	X	X			X			X		
40354C	4401980491	ART-3A-20171207	440-198049-3	12/7/2017	Stage 2A	Water		X		X	X	X			X			X		
40354C	4401980491	ART-4-20171207	440-198049-4	12/7/2017	Stage 2A	Water		X		X	X	X			X			X		
40354C	4401980491	ART-7B-20171207	440-198049-5	12/7/2017	Stage 2A	Water		X		X	X	X			X			X		
40354C	4401980491	ART-8A-20171207	440-198049-6	12/7/2017	Stage 2A	Water		X		X	X	X			X			X		
40354C	4401980491	ART-9-20171207	440-198049-7	12/7/2017	Stage 2A	Water		X		X	X	X			X			X		
40354C	4401980491	PC-150-20171207	440-198049-8	12/7/2017	Stage 2A	Water		X		X	X	X			X			X		
40354C	4401980491	ART-2-20171207-FD	440-198049-9	12/7/2017	Stage 2A	Water	FD41	X		X	X	X			X			X		
40354C	4401980491	ART-3A-20171207-EB	440-198049-10	12/7/2017	Stage 2A	Water	EB	X		X	X	X			X			X		
40354K	4401980781	LVW6.05-1.5-20171204	440-198078-1	12/4/2017	Stage 2A	Water					X	X						X		
40354K	4401980781	LVW3.5-1-1.75-20171204	440-198078-2	12/4/2017	Stage 2A	Water					X	X						X		
40354K	4401980781	LVW3.5-2-0.5-20171204	440-198078-3	12/4/2017	Stage 2A	Water					X	X						X		
40354K	4401980781	LVW3.5-3-0.8-20171204	440-198078-4	12/4/2017	Stage 2A	Water					X	X						X		
40354K	4401980781	LVW3.5-4-1.0-20171204	440-198078-5	12/4/2017	Stage 2A	Water					X	X						X		
40354K	4401980781	LVW3.5-5-1.8-20171204	440-198078-6	12/4/2017	Stage 2A	Water					X	X						X		
40354K	4401980781	LVW3.5-6-2.0-20171204	440-198078-7	12/4/2017	Stage 2A	Water	FD44				X	X						X		
40354K	4401980781	LVW0.55-1.0-20171204	440-198078-8	12/4/2017	Stage 2A	Water					X	X						X		
40354K	4401980781	LVW7.2-1.0-20171205	440-198078-9	12/5/2017	Stage 2A	Water					X	X						X		
40354K	4401980781	LVW5.3-1-2.0-20171205	440-198078-10	12/5/2017	Stage 2A	Water					X	X						X		
40354K	4401980781	LVW5.3-2-2.0-20171205	440-198078-11	12/5/2017	Stage 2A	Water					X	X						X		
40354K	4401980781	LVW5.3-3-1.75-20171205	440-198078-12	12/5/2017	Stage 2A	Water					X	X						X		
40354K	4401980781	LVW4.2-1-2.0-20171205	440-198078-13	12/5/2017	Stage 2A	Water					X	X						X		
40354K	4401980781	LVW4.2-2-2.0-20171205	440-198078-14	12/5/2017	Stage 2A	Water					X	X						X		
40354K	4401980781	LVW4.2-3-1.75-20171205	440-198078-15	12/5/2017	Stage 2A	Water					X	X						X		
40354K	4401980781	LVW4.2-4-1.75-20171205	440-198078-16	12/5/2017	Stage 2A	Water					X	X						X		
40354K	4401980781	LVW4.2-4-20171205-FB	440-198078-17	12/5/2017	Stage 2A	Water	FB				X	X						X		

Table I

LDC	SDG	Client Sample ID	Lab ID	Sample Date	Validation Level	Matrix	QC Type	Metals (200.7)	Hex Cr (218.6)	Anions (300.0)	Chlorate (300.1B)	Perchlorate (314.0)	Ammonia as N (350.1)	Phenolics (420.4)	Field pH	Nitrate /Nitrite as N & Total Inorganic Nitrogen (Calc)	Spec Cond. (2510B)	TDS (2540C)	TOC (5310C)	Organic Halides (9020B)
40354K	4401980781	LVW6.6-1-1.75-20171205	440-198078-18	12/5/2017	Stage 2A	Water					X	X						X		
40354K	4401980781	LVW6.6-2-1.75-20171205	440-198078-19	12/5/2017	Stage 2A	Water					X	X						X		
40354K	4401980781	LVW6.6-3-2.0-20171205	440-198078-20	12/5/2017	Stage 2A	Water	FD42				X	X						X		
40354K	4401980781	LVW6.6-3-2.0-20171205-FD	440-198078-21	12/5/2017	Stage 2A	Water	FD42				X	X						X		
40354K	4401980781	W1 ARCHERY-0.5-20171206	440-198078-22	12/6/2017	Stage 2A	Water					X	X						X		
40354K	4401980781	W4 SUNRISE MOUNTAIN-1.5-201	440-198078-23	12/6/2017	Stage 2A	Water					X	X						X		
40354K	4401980781	W4-5-1.5-20171206	440-198078-24	12/6/2017	Stage 2A	Water					X	X						X		
40354K	4401980781	W5 MIDDLE WAY-1.9-20171206	440-198078-25	12/6/2017	Stage 2A	Water					X	X						X		
40354K	4401980781	W5-6-1.2-20171206	440-198078-26	12/6/2017	Stage 2A	Water					X	X						X		
40354K	4401980781	W7 LOWER NARROW-1.9-201712	440-198078-27	12/6/2017	Stage 2A	Water					X	X						X		
40354K	4401980781	W8-9 3 KIDS WEIR-1.7-20171206	440-198078-28	12/6/2017	Stage 2A	Water					X	X						X		
40354K	4401980781	W8-9 3 KIDS WEIR-20171206-FB	440-198078-29	12/6/2017	Stage 2A	Water	FB				X	X						X		
40354K	4401980781	POWERLINE CROSSING-1.4-2017	440-198078-30	12/6/2017	Stage 2A	Water	FD43				X	X						X		
40354K	4401980781	POWERLINE CROSSING-1.4-2017	440-198078-31	12/6/2017	Stage 2A	Water	FD43				X	X						X		
40354K	4401980781	LVW3.5-6-2.0-20171204-FD	440-198078-32	12/4/2017	Stage 2A	Water	FD44				X	X						X		
40354D	4401981641	PC-99R2/R3-20171206	440-198164-1	12/6/2017	Stage 2A	Water			X											
40354D	4401981641	PC-115R-20171206	440-198164-2	12/6/2017	Stage 2A	Water	FD45		X											
40354D	4401981641	PC-116R-20171206	440-198164-3	12/6/2017	Stage 2A	Water			X											
40354D	4401981641	PC-118-20171206	440-198164-4	12/6/2017	Stage 2A	Water			X											
40354D	4401981641	PC-119-20171206	440-198164-5	12/6/2017	Stage 2A	Water			X											
40354D	4401981641	PC-120-20171206	440-198164-6	12/6/2017	Stage 2A	Water			X											
40354D	4401981641	PC-121-20171206	440-198164-7	12/6/2017	Stage 2A	Water			X											
40354D	4401981641	PC-117-20171206	440-198164-8	12/6/2017	Stage 2A	Water			X											
40354D	4401981641	PC-133-20171206	440-198164-9	12/6/2017	Stage 2A	Water			X											
40354D	4401981641	PC-115R-20171206-FD	440-198164-10	12/6/2017	Stage 2A	Water	FD45		X											
40354D	4401981641	PC-99R2/R3-20171206-EB	440-198164-11	12/6/2017	Stage 2A	Water	EB		X											
40354E	4401981661	ART-6-20171206	440-198166-1	12/6/2017	Stage 2A	Water			X											
40354F	4401981671	ART-1A-20171207	440-198167-1	12/7/2017	Stage 2A	Water			X											
40354F	4401981671	ART-2-20171207	440-198167-2	12/7/2017	Stage 2A	Water	FD46		X											

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LDC	SDG	Client Sample ID	Lab ID	Sample Date	Validation Level	Matrix	QC Type	Metals (200.7)	Hex Cr (218.6)	Anions (300.0)	Chlorate (300.1B)	Perchlorate (314.0)	Ammonia as N (350.1)	Phenolics (420.4)	Field pH	Nitrate /Nitrite as N & Total Inorganic Nitrogen (Calc)	Spec Cond. (2510B)	TDS (2540C)	TOC (5310C)	Organic Halides (9020B)
40354F	4401981671	ART-3A-20171207	440-198167-3	12/7/2017	Stage 2A	Water			X											
40354F	4401981671	ART-4-20171207	440-198167-4	12/7/2017	Stage 2A	Water			X											
40354F	4401981671	ART-7B-20171207	440-198167-5	12/7/2017	Stage 2A	Water			X											
40354F	4401981671	ART-8A-20171207	440-198167-6	12/7/2017	Stage 2A	Water			X											
40354F	4401981671	ART-9-20171207	440-198167-7	12/7/2017	Stage 2A	Water			X											
40354F	4401981671	PC-150-20171207	440-198167-8	12/7/2017	Stage 2A	Water			X											
40354F	4401981671	ART-2-20171207-FD	440-198167-9	12/7/2017	Stage 2A	Water	FD46		X											
40354F	4401981671	ART-3A-20171207-EB	440-198167-10	12/7/2017	Stage 2A	Water	EB		X											
40293Q	4401981781	I-Q-20171109	440-198178-1	11/9/2017	Stage 2A	Water			X											
40293Q	4401981781	I-G-20171109	440-198178-2	11/9/2017	Stage 2A	Water			X											
40293Q	4401981781	I-T-20171109	440-198178-3	11/9/2017	Stage 2A	Water			X											
40293Q	4401981781	I-U-20171109	440-198178-4	11/9/2017	Stage 2A	Water			X											
40293Q	4401981781	I-H-20171109	440-198178-5	11/9/2017	Stage 2A	Water			X											
40293Q	4401981781	I-P-20171109	440-198178-6	11/9/2017	Stage 2A	Water			X											
40293Q	4401981781	I-W-20171109	440-198178-7	11/9/2017	Stage 2A	Water			X											
40293Q	4401981781	I-O-20171109	440-198178-8	11/9/2017	Stage 2A	Water			X											
40354G	4401983371	I-AD-20171212	440-198337-1	12/12/2017	Stage 2A	Water		X		X	X	X			X			X		
40354G	4401983371	I-AC-20171212	440-198337-2	12/12/2017	Stage 2A	Water		X		X	X	X			X			X		
40354G	4401983371	I-K-20171212	440-198337-3	12/12/2017	Stage 2A	Water		X		X	X	X			X			X		
40354G	4401983371	I-J-20171212	440-198337-4	12/12/2017	Stage 2A	Water		X		X	X	X			X			X		
40354G	4401983371	I-Z-20171212	440-198337-5	12/12/2017	Stage 2A	Water		X		X	X	X			X			X		
40354G	4401983371	I-I-20171212	440-198337-6	12/12/2017	Stage 2A	Water		X		X	X	X			X			X		
40354G	4401983371	I-V-20171212	440-198337-7	12/12/2017	Stage 2A	Water		X		X	X	X			X			X		
40354G	4401983371	I-AR-20171212	440-198337-8	12/12/2017	Stage 2A	Water		X		X	X	X			X			X		
40354G	4401983371	I-AA-20171212	440-198337-9	12/12/2017	Stage 2A	Water		X		X	X	X			X			X		
40354G	4401983371	I-AB-20171212	440-198337-10	12/12/2017	Stage 2A	Water		X		X	X	X			X			X		
40354G	4401983371	I-B-20171212	440-198337-11	12/12/2017	Stage 2A	Water		X		X	X	X			X			X		
40354G	4401983371	I-R-20171212	440-198337-12	12/12/2017	Stage 2A	Water		X		X	X	X			X			X		
40354G	4401983371	I-Y-20171212	440-198337-13	12/12/2017	Stage 2A	Water		X		X	X	X			X			X		

Table I

LDC	SDG	Client Sample ID	Lab ID	Sample Date	Validation Level	Matrix	QC Type	Metals (200.7)	Hex Cr (218.6)	Anions (300.0)	Chlorate (300.1B)	Perchlorate (314.0)	Ammonia as N (350.1)	Phenolics (420.4)	Field pH	Nitrate /Nitrite as N & Total Inorganic Nitrogen (Calc)	Spec Cond. (2510B)	TDS (2540C)	TOC (5310C)	Organic Halides (9020B)
40354G	4401983371	I-L-20171212	440-198337-14	12/12/2017	Stage 2A	Water		X		X	X	X			X			X		
40354G	4401983371	I-S-20171212	440-198337-15	12/12/2017	Stage 2A	Water		X		X	X	X			X			X		
40354H	4401984421	I-C-20171213	440-198442-1	12/13/2017	Stage 2A	Water		X		X	X	X			X			X		
40354H	4401984421	I-D-20171213	440-198442-2	12/13/2017	Stage 2A	Water		X		X	X	X			X			X		
40354H	4401984421	I-M-20171213	440-198442-3	12/13/2017	Stage 2A	Water	FD47	X		X	X	X			X			X		
40354H	4401984421	I-E-20171213	440-198442-4	12/13/2017	Stage 2A	Water		X		X	X	X			X			X		
40354H	4401984421	I-N-20171213	440-198442-5	12/13/2017	Stage 2A	Water		X		X	X	X			X			X		
40354H	4401984421	I-X-20171213	440-198442-6	12/13/2017	Stage 2A	Water		X		X	X	X			X			X		
40354H	4401984421	I-F-20171213	440-198442-7	12/13/2017	Stage 2A	Water		X		X	X	X			X			X		
40354H	4401984421	I-Q-20171213	440-198442-8	12/13/2017	Stage 2A	Water		X		X	X	X			X			X		
40354H	4401984421	I-G-20171213	440-198442-9	12/13/2017	Stage 2A	Water		X		X	X	X			X			X		
40354H	4401984421	I-T-20171213	440-198442-10	12/13/2017	Stage 2A	Water		X		X	X	X			X			X		
40354H	4401984421	I-U-20171213	440-198442-11	12/13/2017	Stage 2A	Water		X		X	X	X			X			X		
40354H	4401984421	I-H-20171213	440-198442-12	12/13/2017	Stage 2A	Water		X		X	X	X			X			X		
40354H	4401984421	I-P-20171213	440-198442-13	12/13/2017	Stage 2A	Water		X		X	X	X			X			X		
40354H	4401984421	I-W-20171213	440-198442-14	12/13/2017	Stage 2A	Water		X		X	X	X			X			X		
40354H	4401984421	I-O-20171213	440-198442-15	12/13/2017	Stage 2A	Water		X		X	X	X			X			X		
40354H	4401984421	I-D-20171213 EB	440-198442-16	12/13/2017	Stage 2A	Water	EB	X		X	X	X			X			X		
40354H	4401984421	I-M-20171213 FD	440-198442-17	12/13/2017	Stage 2A	Water	FD47	X		X	X	X			X			X		
40354I	4401989821	I-C-20171213	440-198982-1	12/13/2017	Stage 2A	Water			X											
40354I	4401989821	I-D-20171213	440-198982-2	12/13/2017	Stage 2A	Water			X											
40354I	4401989821	I-M-20171213	440-198982-3	12/13/2017	Stage 2A	Water	FD48		X											
40354I	4401989821	I-E-20171213	440-198982-4	12/13/2017	Stage 2A	Water			X											
40354I	4401989821	I-N-20171213	440-198982-5	12/13/2017	Stage 2A	Water			X											
40354I	4401989821	I-X-20171213	440-198982-6	12/13/2017	Stage 2A	Water			X											
40354I	4401989821	I-F-20171213	440-198982-7	12/13/2017	Stage 2A	Water			X											
40354I	4401989821	I-Q-20171213	440-198982-8	12/13/2017	Stage 2A	Water			X											
40354I	4401989821	I-G-20171213	440-198982-9	12/13/2017	Stage 2A	Water			X											
40354I	4401989821	I-T-20171213	440-198982-10	12/13/2017	Stage 2A	Water			X											

Table I

LDC	SDG	Client Sample ID	Lab ID	Sample Date	Validation Level	Matrix	QC Type	Metals (200.7)	Hex Cr (218.6)	Anions (300.0)	Chlorate (300.1B)	Perchlorate (314.0)	Ammonia as N (350.1)	Phenolics (420.4)	Field pH	Nitrate /Nitrite as N & Total Inorganic Nitrogen (Calc)	Spec Cond. (2510B)	TDS (2540C)	TOC (5310C)	Organic Halides (9020B)
40354I	4401989821	I-U-20171213	440-198982-11	12/13/2017	Stage 2A	Water			X											
40354I	4401989821	I-H-20171213	440-198982-12	12/13/2017	Stage 2A	Water			X											
40354I	4401989821	I-P-20171213	440-198982-13	12/13/2017	Stage 2A	Water			X											
40354I	4401989821	I-W-20171213	440-198982-14	12/13/2017	Stage 2A	Water			X											
40354I	4401989821	I-O-20171213	440-198982-15	12/13/2017	Stage 2A	Water			X											
40354I	4401989821	I-D-20171213-EB	440-198982-16	12/13/2017	Stage 2A	Water	EB		X											
40354I	4401989821	I-M-20171213 FD	440-198982-17	12/13/2017	Stage 2A	Water	FD48		X											
40354J	4401989841	I-AD-20171212	440-198984-1	12/12/2017	Stage 2A	Water			X											
40354J	4401989841	I-AC-20171212	440-198984-2	12/12/2017	Stage 2A	Water			X											
40354J	4401989841	I-K-20171212	440-198984-3	12/12/2017	Stage 2A	Water			X											
40354J	4401989841	I-J-20171212	440-198984-4	12/12/2017	Stage 2A	Water			X											
40354J	4401989841	I-Z-20171212	440-198984-5	12/12/2017	Stage 2A	Water			X											
40354J	4401989841	I-I-20171212	440-198984-6	12/12/2017	Stage 2A	Water			X											
40354J	4401989841	I-V-20171212	440-198984-7	12/12/2017	Stage 2A	Water			X											
40354J	4401989841	I-AR-20171212	440-198984-8	12/12/2017	Stage 2A	Water			X											
40354J	4401989841	I-AA-20171212	440-198984-9	12/12/2017	Stage 2A	Water			X											
40354J	4401989841	I-AB-20171212	440-198984-10	12/12/2017	Stage 2A	Water			X											
40354J	4401989841	I-B-20171212	440-198984-11	12/12/2017	Stage 2A	Water			X											
40354J	4401989841	I-R-20171212	440-198984-12	12/12/2017	Stage 2A	Water			X											
40354J	4401989841	I-Y-20171212	440-198984-13	12/12/2017	Stage 2A	Water			X											
40354J	4401989841	I-L-20171212	440-198984-14	12/12/2017	Stage 2A	Water			X											
40354J	4401989841	I-S-20171212	440-198984-15	12/12/2017	Stage 2A	Water			X											

Table II. Stage 2AValidation Elements

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

Table III. Stage 2A Validation Percentages

Parameter	Stage 2A	Total	Stage 2A (%)
Metals (200.7)	6	6	100
Chromium (200.7)	448	448	100
Hexavalent Chromium	344	344	100
Anions	466	466	100
Total Inorganic Nitrogen and Nitrate/Nitrite-N	2	2	100
Chlorate	583	583	100
Perchlorate	597	597	100
Ammonia-N	2	2	100
Total Recoverable Phenolics	4	4	100
Spec. Conductivity	4	4	100
TDS	597	597	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)
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 %D 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
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
440-188144-1	PC-119-20170711	7/11/2017	200.7	7440-47-3	Chromium (total)	0.0027	J	0.0025	0.0050	mg/l	J	sp
440-190309-1	M-37-20170815	8/15/2017	200.7	7440-47-3	Chromium (total)	0.023	J	0.013	0.025	mg/l	J	sp
440-190328-1	M-7B-20170815	8/15/2017	200.7	7440-47-3	Chromium (total)	0.0052	J	0.0050	0.010	mg/l	J	sp
440-190409-1	PC-117-20170816	8/16/2017	200.7	7440-47-3	Chromium (total)	0.0027	J	0.0025	0.0050	mg/l	J	sp
440-192048-2	PC-116R-20170912_A	9/12/2017	200.7	7440-47-3	Chromium (total)	0.0025	J	0.0025	0.0050	mg/l	J	sp
440-193550-1	PC-116R-20171004-FD	10/4/2017	200.7	7440-47-3	Chromium (total)	0.0025	J	0.0025	0.0050	mg/l	J	sp
440-195772-1	PC-155B-20171106	11/6/2017	200.7	7440-47-3	Chromium (total)	0.0028	J	0.0025	0.0050	mg/l	J	sp
440-195923-1	MW-K5-20171107	11/7/2017	200.7	7440-47-3	Chromium (total)	0.018	J	0.0025	0.025	mg/l	J	sp
440-195923-1	MW-K5-20171107-FD5	11/7/2017	200.7	7440-47-3	Chromium (total)	0.017	J	0.0025	0.025	mg/l	J	sp
440-196042-1	PC-151-20171108	11/8/2017	200.7	7440-47-3	Chromium (total)	0.0028	J	0.0025	0.0050	mg/l	J	sp
440-196159-1	M-81A-20171109-EB9	11/9/2017	200.7	7440-47-3	Chromium (total)	0.0043	J	0.0025	0.0050	mg/l	J	sp
440-197918-1	PC-116R-20171206	12/6/2017	200.7	7440-47-3	Chromium (total)	0.0029	J	0.0025	0.0050	mg/l	J	sp
440-197918-1	PC-117-20171206	12/6/2017	200.7	7440-47-3	Chromium (total)	0.0035	J	0.0025	0.0050	mg/l	J	sp
440-188144-1	PC-119-20170711	7/11/2017	300.0	14797-55-8_N	Nitrate as N	0.21	J	0.11	0.22	mg/l	J	sp
440-188250-1	ART-1A-20170712	7/12/2017	300.0	14797-55-8_N	Nitrate as N	2.1	J	1.1	2.2	mg/l	J	sp
440-188250-1	ART-1A-20170712-FD	7/12/2017	300.0	14797-55-8_N	Nitrate as N	1.4	J	1.1	2.2	mg/l	J	sp
440-190326-1	ART-1A-20170815	8/15/2017	300.0	14797-55-8_N	Nitrate as N	1.1	J	1.1	2.2	mg/l	J	sp
440-190409-1	PC-119-20170816	8/16/2017	300.0	14797-55-8_N	Nitrate as N	0.20	J	0.11	0.22	mg/l	J	sp
440-192048-2	PC-115R-20170912_A	9/12/2017	300.0	14797-55-8_N	Nitrate as N	5.5		0.28	0.55	mg/l	J-	m
440-192048-2	PC-115R-20170912-FD_A	9/12/2017	300.0	14797-55-8_N	Nitrate as N	4.5		0.28	0.55	mg/l	J-	m
440-192048-2	PC-116R-20170912_A	9/12/2017	300.0	14797-55-8_N	Nitrate as N	5.5	F1	0.55	1.1	mg/l	J-	m
440-192048-2	PC-116R-20170912-EB_A	9/12/2017	300.0	14797-55-8_N	Nitrate as N		U	0.055	0.11	mg/l	UJ	m
440-192048-2	PC-117-20170912_A	9/12/2017	300.0	14797-55-8_N	Nitrate as N	3.0		0.28	0.55	mg/l	J-	m
440-192048-2	PC-118-20170912_A	9/12/2017	300.0	14797-55-8_N	Nitrate as N	1.2		0.11	0.22	mg/l	J-	m
440-192048-2	PC-119-20170912_A	9/12/2017	300.0	14797-55-8_N	Nitrate as N	0.17	J	0.11	0.22	mg/l	J-	m,sp
440-192048-2	PC-120-20170912_A	9/12/2017	300.0	14797-55-8_N	Nitrate as N		U	0.11	0.22	mg/l	UJ	m
440-192048-2	PC-121-20170912_A	9/12/2017	300.0	14797-55-8_N	Nitrate as N		U	0.11	0.22	mg/l	UJ	m
440-192048-2	PC-133-20170912_A	9/12/2017	300.0	14797-55-8_N	Nitrate as N	0.66		0.11	0.22	mg/l	J-	m
440-192048-2	PC-99R2/R3-20170912_A	9/12/2017	300.0	14797-55-8_N	Nitrate as N	12		0.55	1.1	mg/l	J-	m
440-193550-1	PC-119-20171004	10/4/2017	300.0	14797-55-8_N	Nitrate as N	0.17	J	0.11	0.22	mg/l	J	sp
440-193690-1	ART-1A-20171005	10/5/2017	300.0	14797-55-8_N	Nitrate as N	1.6	J	1.1	2.2	mg/l	J	sp
440-193690-1	ART-2-20171005	10/5/2017	300.0	14797-55-8_N	Nitrate as N	4.2	J	2.8	5.5	mg/l	J	sp
440-195592-1	ART-1A-20171102	11/2/2017	300.0	14797-55-8_N	Nitrate as N	1.4	J	1.1	2.2	mg/l	J	sp
440-195592-1	ART-1A-20171102-FD	11/2/2017	300.0	14797-55-8_N	Nitrate as N	1.3	J	1.1	2.2	mg/l	J	sp
440-195772-1	PC-91-20171106	11/6/2017	300.0	14797-55-8_N	Nitrate as N	0.35	J	0.055	0.55	mg/l	J	sp
440-195923-1	ARP-3A-20171107	11/7/2017	300.0	14797-55-8_N	Nitrate as N	1.8	J	0.055	2.2	mg/l	J	sp

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
440-195923-1	PC-156B-20171107	11/7/2017	300.0	14797-55-8_N	Nitrate as N	0.28	J	0.055	0.55	mg/l	J	sp
440-195923-1	PC-55-20171107	11/7/2017	300.0	14797-55-8_N	Nitrate as N	1.7	J	0.055	2.2	mg/l	J	sp
440-196212-1	I-G-20171109	11/9/2017	300.0	14797-55-8_N	Nitrate as N	64		2.8	5.5	mg/l	J+	m
440-196212-1	I-H-20171109	11/9/2017	300.0	14797-55-8_N	Nitrate as N	98		2.8	5.5	mg/l	J+	m
440-196212-1	I-O-20171109	11/9/2017	300.0	14797-55-8_N	Nitrate as N	51		2.8	5.5	mg/l	J+	m
440-196212-1	I-P-20171109	11/9/2017	300.0	14797-55-8_N	Nitrate as N	90		2.8	5.5	mg/l	J+	m
440-196212-1	I-Q-20171109	11/9/2017	300.0	14797-55-8_N	Nitrate as N	56	F1	2.8	5.5	mg/l	J+	m
440-196212-1	I-T-20171109	11/9/2017	300.0	14797-55-8_N	Nitrate as N	57		2.8	5.5	mg/l	J+	m
440-196212-1	I-U-20171109	11/9/2017	300.0	14797-55-8_N	Nitrate as N	60		2.8	5.5	mg/l	J+	m
440-196212-1	I-W-20171109	11/9/2017	300.0	14797-55-8_N	Nitrate as N	57		2.8	5.5	mg/l	J+	m
440-197918-1	PC-119-20171206	12/6/2017	300.0	14797-55-8_N	Nitrate as N	0.20	J	0.11	0.22	mg/l	J	sp
440-198049-1	ART-2-20171207	12/7/2017	300.0	14797-55-8_N	Nitrate as N	1.6	J	1.1	2.2	mg/l	J	sp
440-198049-1	ART-2-20171207-FD	12/7/2017	300.0	14797-55-8_N	Nitrate as N	1.9	J	1.1	2.2	mg/l	J	sp
440-190409-1	PC-116R-20170816	8/16/2017	300.1	14866-68-3	Chlorate	20000		1000	2000	ug/l	J+	m
440-190409-1	PC-117-20170816	8/16/2017	300.1	14866-68-3	Chlorate	14000		500	1000	ug/l	J+	m
440-190409-1	PC-118-20170816	8/16/2017	300.1	14866-68-3	Chlorate	1600		500	1000	ug/l	J+	m
440-190409-1	PC-119-20170816	8/16/2017	300.1	14866-68-3	Chlorate	64		20	40	ug/l	J+	m
440-190409-1	PC-133-20170816	8/16/2017	300.1	14866-68-3	Chlorate	610		100	200	ug/l	J+	m
440-190409-1	PC-150-20170816	8/16/2017	300.1	14866-68-3	Chlorate	120000		20000	40000	ug/l	J+	m
440-192940-1	LVW 6.6-1-20170925	9/25/2017	300.1	14866-68-3	Chlorate	160	J	100	200	ug/l	J	sp
440-192940-1	LVW 6.6-3-20170925	9/25/2017	300.1	14866-68-3	Chlorate	170	J	100	200	ug/l	J	sp
440-195452-1	PC-117-20171101	11/1/2017	300.1	14866-68-3	Chlorate	12000		500	1000	ug/l	J	fd
440-195452-1	PC-117-20171101-FD	11/1/2017	300.1	14866-68-3	Chlorate	190		50	100	ug/l	J	fd
440-195452-1	PC-119-20171101	11/1/2017	300.1	14866-68-3	Chlorate	29	J	20	40	ug/l	J	sp
440-195772-1	PC-60-20171106	11/6/2017	300.1	14866-68-3	Chlorate	59	J	10	100	ug/l	J	sp
440-188974-1	LVW6.6-1-20170725	7/25/2017	300.1	14797-73-0	Perchlorate	3.3	J	0.95	4.0	ug/l	J	sp
440-188974-1	LVW6.6-2-20170725	7/25/2017	314.0	14797-73-0	Perchlorate	3.0	J	0.95	4.0	ug/l	J	sp
440-188974-1	LVW6.6-3-20170725	7/25/2017	314.0	14797-73-0	Perchlorate	1.5	J	0.95	4.0	ug/l	J	sp
440-188974-1	LVW7.2-20170725	7/25/2017	314.0	14797-73-0	Perchlorate	6.1		0.95	4.0	ug/l	J	fd
440-188974-1	LVW7.2-20170725-FD	7/25/2017	314.0	14797-73-0	Perchlorate	4.4		0.95	4.0	ug/l	J	fd
440-190309-1	M-80-20170815	8/15/2017	314.0	14797-73-0	Perchlorate	370000		5000	10000	ug/l	J	fd
440-190309-1	M-80-20170815-FD4	8/15/2017	314.0	14797-73-0	Perchlorate	530000		5000	10000	ug/l	J	fd
440-190396-1	M-44-EB4-20170816	8/16/2017	314.0	14797-73-0	Perchlorate	0.53	J	0.50	1.0	ug/l	J	sp
440-193690-1	PC-150-20171005	10/5/2017	314.0	14797-73-0	Perchlorate	160		2.5	5.0	mg/l	J	fd
440-193690-1	PC-150-20171005-FD	10/5/2017	314.0	14797-73-0	Perchlorate	94		2.5	5.0	mg/l	J	fd
440-194522-1	LVW 6.6-1-20171017	10/17/2017	314.0	14797-73-0	Perchlorate	2.6	J	0.95	4.0	ug/l	J	sp

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
440-194522-1	LVW 7.2-20171017	10/17/2017	314.0	14797-73-0	Perchlorate	1.8	J	0.95	4.0	ug/l	J	sp
440-195772-1	PC-155B-20171106	11/6/2017	314.0	14797-73-0	Perchlorate	3000		0.50	100	ug/l	J+	m
440-195772-1	PC-56-20171106	11/6/2017	314.0	14797-73-0	Perchlorate	19000		0.50	1000	ug/l	J+	m
440-195772-1	PC-58-20171106	11/6/2017	314.0	14797-73-0	Perchlorate	2000		0.50	100	ug/l	J+	m
440-195772-1	PC-59-20171106	11/6/2017	314.0	14797-73-0	Perchlorate	1300		0.50	100	ug/l	J+	m
440-195772-1	PC-60-20171106	11/6/2017	314.0	14797-73-0	Perchlorate	890		0.50	100	ug/l	J+	m
440-195772-1	PC-62-20171106	11/6/2017	314.0	14797-73-0	Perchlorate	53	F1	0.50	1.0	ug/l	J+	m
440-195772-1	PC-91-20171106	11/6/2017	314.0	14797-73-0	Perchlorate	770		0.50	50	ug/l	J+	m
440-196042-1	PC-151-20171108-FB8	11/8/2017	314.0	14797-73-0	Perchlorate	0.54	J	0.50	1.0	ug/l	J	sp
440-196159-1	M-22A-20171109-FB9	11/9/2017	314.0	14797-73-0	Perchlorate	0.55	J	0.50	1.0	ug/l	J	sp
440-196549-1	LVW7.2-20171114	11/14/2017	314.0	14797-73-0	Perchlorate	2.1	J	0.95	4.0	ug/l	J	sp
440-196550-1	LVW3.5-4-20171113	11/13/2017	314.0	14797-73-0	Perchlorate	52	F1	0.95	4.0	ug/l	J+	m
440-196550-1	LVW6.05-20171113	11/13/2017	314.0	14797-73-0	Perchlorate	1.6	J	0.95	4.0	ug/l	J	sp
440-197918-1	PC-121-20171206	12/6/2017	314.0	14797-73-0	Perchlorate	0.032	F1	0.00050	0.0010	mg/l	J+	m
440-198078-1	LVW7.2-1.0-20171205	12/5/2017	314.0	14797-73-0	Perchlorate	1.6	J	0.95	4.0	ug/l	J	sp
440-190328-1	M-5A-20170815	8/15/2017	9020	TOH	Organic Halides (total)	5400	J	1500	6000	ug/l	J	sp
440-190328-1	M-6A-20170815	8/15/2017	9020	TOH	Organic Halides (total)	2000	J	1500	6000	ug/l	J	sp
440-190404-1	H-28A-20170816	8/16/2017	9020	TOH	Organic Halides (total)	6700	F1	1500	6000	ug/l	J-	m

ATTACHMENTS

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

I. Sample Receipt and Technical Holding Times

All samples were received in good condition.

All technical holding time requirements were met.

II. Laboratory Blanks

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

III. Field Blanks

Samples PC-120 071117-EB (from SDG 440-188144-1), ART-8A 071217-EB (from SDG 440-188250-1), I-B 071817-EB (from SDG 440-188548-1), I-L 080917-EB (from SDG 440-189926-1), ART-4 081517-EB (from SDG 440-190326-1), M-44-20170816-EB4 (from SDG 440-190396-1), PC-121-081617-EB (from SDG 440-190409-1), ART-8A 090617-EB (from SDG 440-191594-1), PC-116R-091217-EB (from SDG 440-192048-2), I-G 091417-EB (from SDG 440-192285-1), PC-115R-EB (from SDG 440-193550-1), ART-2 100517-EB (from SDG 440-193690-1), I-Z 101017-EB (from SDG 440-193995-1), PC-133 110117-EB (from SDG 440-195452-1), ART-9 110217-EB (from SDG 440-195592-1), PC-155B-20171106-EB5 (from SDG 440-195772-1), ARP-3A-20171107-EB6 (from SDG 440-195923-1), I-J 110717-EB (from SDG 440-195925-1), PC-54 20171108-EB7, M-38 20171108-EB4 (both from SDG 440-196042-1), M-74-20171109-EB8, M-81A-20171109-EB9 (both from SDG 440-196159-1), PC-99R2/R3 120617-EB (from SDG 440-197918-1), ART-3A 120717-EB (from SDG 440-198049-1), and I-D 121317-EB (from SDG 440-198442-1) were identified as equipment blanks. No contaminants were found with the following exceptions:

SDG	Blank ID	Collection Date	Analyte	Concentration	Associated Samples
440-196159-1	M-81A-20171109-EB9	11/09/17	Chromium	0.0043 mg/L	M-81A-20171109

Samples M-10-20170816-FB4 (from SDG 440-190396-1), PC-91-20171106-FB5 (from SDG 440-195772-1), PC-101R-20171107-FB6 (from SDG 440-195923-1), PC-151 20171108-FB8, PC-149 20171108-FB7 (both from SDG 440-196042-1), M-22A-20171109-FB9, M-80-20171109-FB4 (both from SDG 440-196159-1), were identified as field blanks. No contaminants were found.

IV. Matrix Spike/Matrix Spike Duplicates

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

For I-K 071317MS/MSD (from SDG 440-188334-1), I-F 071917MS/MSD, and I-P 071917MS/MSD (both from SDG 440-188660-1), I-N 080917MS/MSD (from SDG 440-189926-1), I-U 081017MS/MSD (from SDG 440-190045-1), M-80-20170815MS/MSD (from SDG 440-190309-1), M-12A-20170829MS/MSD (from SDG 440-191163-1), I-N 091417MS/MSD (from SDG 440-192285-1), I-V 101017MS/MSD (from SDG 440-193995-1), I-G 101117MS/MSD (from SDG 440-194106-1), I-N 110817MS/MSD (from SDG 440-196040-1), M-48A 20171108MS/MSD (from SDG 440-196042-1), M-192-20171109MS/MSD (from SDG 440-196159-1), I-W-110917MS/MSD (from SDG 440-196212-1), and I-W 121317MS/MSD (from SDG 440-198442-1), no data were qualified for Chromium percent recoveries (%R) outside the QC limits since the parent sample results were greater than 4X the spike concentration.

For H-28A-20170816MS/MSD (from SDG 440-190404-1), no data were qualified for Boron, Manganese, and Sodium percent recoveries (%R) outside the QC limits since the parent sample results were greater than 4X the spike concentration.

Relative percent differences (RPD) were within QC limits.

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 methods. Percent recoveries (%R) were within QC limits. Relative percent differences (RPD) were within QC limits.

VIII. Field Duplicates

Samples PC-133 071117 and PC-133 071117-FD (both from SDG 440-188144-1), samples ART-1A 071217 and ART-1A 071217-FD (both from SDG 440-188250-1), samples I-T 071917 and I-T 071917-FD (both from SDG 440-188660-1), I-D 080917 and I-D 080917-FD (both from SDG 440-189926-1), samples M-80-20170815 and M-80-20170815-FD4 (both from SDG 440-190309-1), samples ART-9 081517 and ART-9 081517-FD (both from SDG 440-190326-1), samples PC-99R2/R3-081617 and PC-99R2/R3-081617-FD (both from SDG 440-190409-1), samples ART-7B 090617 and ART-7B 090617-FD (both from SDG 440-191594-1), samples PC-115R-091217 and PC-115R-091217-FD (both from SDG 440-192048-2), samples I-U 091417 and I-U 091417-FD (both from SDG 440-192285-1), samples PC-116R and PC-116R-FD (both from SDG 440-193550-1), samples PC-150 100517 and PC-150 100517-FD (both from SDG 440-193690-1), samples I-AC 101017 and I-AC 101017-FD (both from SDG 440-193995-1), samples PC-117 110117 and PC-117 110117-FD (both from SDG 440-

195452-1), samples ART-1A 110217 and ART-1A 110217-FD (both from SDG 440-195592-1), samples MW-K5-20171107 and MW-K5-20171107-FD5 (both from SDG 440-195923-1), samples ARP-6B-20171107 and ARP-6B-20171107-FD6 (both from SDG 440-195923-1), samples I-K 110717 and I-K 110717-FD (both from SDG 440-195925-1), samples PC-154 20171108 and PC-154 20171108-FD9 (both from SDG 440-196042-1), samples M-44 20171108 and M-44 20171108-FD4 (both from SDG 440-196042-1), samples PC-131 20171108 and PC-131 20171108-FD7 (both from SDG 440-196042-1), samples M-65-20171109 and M-65-20171109-FD8 (both from SDG 440-196159-1), samples PC-115R 120617 and PC-115R 120617-FD (both from SDG 440-197918-1), samples ART-2 120717 and ART-2 120717-FD (both from SDG 440-198049-1), and samples I-M 121317 and I-M 121317-FD (both from SDG 440-198442-1) 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
		I-T 071917	I-T 071917-FD			
440-188660-1	Chromium	23	24	4 (≤30)	-	-

SDG	Analyte	Concentration (mg/L)		RPD (Limits)	Flag	A or P
		I-D 080917	I-D 080917-FD			
440-189926-1	Chromium	5.3	5.1	4 (≤30)	-	-

SDG	Analyte	Concentration (mg/L)		RPD (Limits)	Flag	A or P
		M-80-20170815	M-80-20170815-FD4			
440-190309-1	Chromium	3.6	3.3	9 (≤30)	-	-

SDG	Analyte	Concentration (mg/L)		RPD (Limits)	Flag	A or P
		ART-9 081517	ART-9 081517-FD			
440-190326-1	Chromium	0.75	0.76	1 (≤30)	-	-

SDG	Analyte	Concentration (mg/L)		RPD (Limits)	Flag	A or P
		ART-7B 090617	ART-7B 090617-FD			
440-191594-1	Chromium	0.63	0.66	5 (≤30)	-	-

SDG	Analyte	Concentration (mg/L)		RPD (Limits)	Flag	A or P
		I-U 091417	I-U 091417-FD			
440-192285-1	Chromium	23	22	4 (≤30)	-	-

SDG	Analyte	Concentration (mg/L)		RPD (Limits)	Flag	A or P
		PC-116R	PC-116R-FD			
440-193550-1	Chromium	0.0050U	0.0025	200 (≤30)	NQ	-

SDG	Analyte	Concentration (mg/L)		RPD (Limits)	Flag	A or P
		PC-150 100517	PC-150 100517-FD			
440-193690-1	Chromium	0.088	0.093	6 (≤30)	-	-

SDG	Analyte	Concentration (mg/L)		RPD (Limits)	Flag	A or P
		I-AC 101017	I-AC 101017-FD			
440-193995-1	Chromium	2.0	2.1	5 (≤30)	-	-

SDG	Analyte	Concentration (mg/L)		RPD (Limits)	Flag	A or P
		MW-K5-20171107	MW-K5-20171107-FD5			
440-195923-1	Chromium	0.018	0.017	6 (≤30)	-	-

SDG	Analyte	Concentration (mg/L)		RPD (Limits)	Flag	A or P
		ARP-6B-20171107	ARP-6B-20171107-FD6			
440-195923-1	Chromium	0.29	0.30	3 (≤30)	-	-

SDG	Analyte	Concentration (mg/L)		RPD (Limits)	Flag	A or P
		I-K 110717	I-K 110717-FD			
440-195925-1	Chromium	2.4	2.2	9 (≤30)	-	-

SDG	Analyte	Concentration (mg/L)		RPD (Limits)	Flag	A or P
		M-44 20171108	M-44 20171108-FD4			
440-196042-1	Chromium	0.83	0.83	0 (≤30)	-	-

SDG	Analyte	Concentration (mg/L)		RPD (Limits)	Flag	A or P
		M-65-20171109	M-65-20171109-FD8			
440-196159-1	Chromium	3.9	3.8	3 (≤30)	-	-

SDG	Analyte	Concentration (mg/L)		RPD (Limits)	Flag	A or P
		ART-2 120717	ART-2 120717-FD			
440-198049-1	Chromium	0.0077	0.0069	11 (≤30)	-	-

SDG	Analyte	Concentration (mg/L)		RPD (Limits)	Flag	A or P
		I-M 121317	I-M 121317-FD			
440-198442-1	Chromium	5.7	6.0	5 (≤30)	-	-

NQ = No data were qualified when either the primary or duplicate result was not detected or was below the reporting limit.

IX. Sample Result Verification

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.

The quality control criteria reviewed were met and are considered acceptable. Based upon the data validation all results are considered valid and usable for all purposes.

NERT, Semi-Annual Remedial Performance Sampling
July through December 2017
Metals - Data Qualification Summary - SDGs 440-188144-1, 440-188250-1, 440-188334-1, 440-188548-1, 440-188660-1, 440-189821-1, 440-189926-1, 440-190045-1, 440-190309-1, 440-190310-1, 440-190326-1, 440-190328-1, 440-190396-1, 440-190404-1, 440-190409-1, 440-191163-1, 440-191594-1, 440-192048-1, 440-192048-2, 440-192159-1, 440-192285-1, 440-193550-1, 440-193690-1, 440-193995-1, 440-194106-1, 440-195452-1, 440-195592-1, 440-195772-1, 440-195923-1, 440-195925-1, 440-196040-1, 440-196042-1, 440-196159-1, 440-196212-1, 440-196271-1, 440-197918-1, 440-197927-1, 440-198049-1, 440-198337-1, 440-198442-1

No Sample Data Qualified in these SDGs

NERT, Semi-Annual Remedial Performance Sampling
July through December 2017
Metals - Laboratory Blank Data Qualification Summary - SDGs 440-188144-1, 440-188250-1, 440-188334-1, 440-188548-1, 440-188660-1, 440-189821-1, 440-189926-1, 440-190045-1, 440-190309-1, 440-190310-1, 440-190326-1, 440-190328-1, 440-190396-1, 440-190404-1, 440-190409-1, 440-191163-1, 440-191594-1, 440-192048-1, 440-192048-2, 440-192159-1, 440-192285-1, 440-193550-1, 440-193690-1, 440-193995-1, 440-194106-1, 440-195452-1, 440-195592-1, 440-195772-1, 440-195923-1, 440-195925-1, 440-196040-1, 440-196042-1, 440-196159-1, 440-196212-1, 440-196271-1, 440-197918-1, 440-197927-1, 440-198049-1, 440-198337-1, 440-198442-1

No Sample Data Qualified in these SDGs

NERT, Semi-Annual Remedial Performance Sampling
July through December 2017
Metals - Field Blank Data Qualification Summary – SDGs 440-188144-1, 440-188250-1, 440-188334-1, 440-188548-1, 440-188660-1, 440-189821-1, 440-189926-1, 440-190045-1, 440-190309-1, 440-190310-1, 440-190326-1, 440-190328-1, 440-190396-1, 440-190404-1, 440-190409-1, 440-191163-1, 440-191594-1, 440-192048-1, 440-192048-2, 440-192159-1, 440-192285-1, 440-193550-1, 440-193690-1, 440-193995-1, 440-194106-1, 440-195452-1, 440-195592-1, 440-195772-1, 440-195923-1, 440-195925-1, 440-196040-1, 440-196042-1, 440-196159-1, 440-196212-1, 440-196271-1, 440-197918-1, 440-197927-1, 440-198049-1, 440-198337-1, 440-198442-1

No Sample Data Qualified in these SDGs

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

I. Sample Receipt and Technical Holding Times

All samples were received in good condition.

All technical holding time requirements were met.

II. Laboratory Blanks

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

III. Field Blanks

Samples PC-120 071117-EB (from SDGs 440-188144-1 and 440-188149-1/N024920), ART-8A 071217-EB (from SDGs 440-188250-1 and 440-188308-1/N024941), I-B 071817-EB (from SDGs 440-188548-1 and 440-188682-1/N025056), I-L 080917-EB (from SDG 440-189926-1), I-L 080917-EB (from SDG 440-189993-1/N025390), ART-4 081517-EB (from SDG 440-190326-1), ART-4-081517-EB (from SDG 440-190334-1/N025472), M-44-20170816-EB4 (from SDG 440-190396-1), PC-121-081617-EB (from SDG 440-190409-1), PC-121-081617-EB (from SDG 440-190442-1/N025484), ART-8A 090617-EB (from SDG 440-191594-1), PC-116R-091217-EB (from SDG 440-192048-2), PC-116R-091217-EB (from SDG 440-192264-2/N025856), I-G 091417-EB (from SDG 440-192285-1), ART-8A 090617-EB (from SDG 440-192441-1/N025762), I-G 091417-EB (from SDG 440-192901-1/N025919), PC-115R-EB (from SDG 440-193550-1), ART-2 100517-EB (from SDG 440-193690-1), ART-2 100517-EB (from SDG 440-193740-1/N026298), I-Z 101017-EB (from SDG 440-193995-1), I-Z 101017-EB (from SDG 440-194003-1/N026379), PC-115R 100417-EB (from SDG 440-194259-1/N026263), PC-133 110117-EB (from SDG 440-195452-1), PC-133 110117-EB (from SDG 440-195525-1/N026812), ART-9 110217-EB (from SDG 440-195592-1), PC-155B-20171106-EB5 (from SDG 440-195772-1), ARP-3A-20171107-EB6 (from SDG 440-195923-1), I-J 110717-EB (from SDG 440-195924-1/N026916), I-J 110717-EB (from SDG 440-195925-1), PC-54 20171108-EB7, M-38 20171108-EB4 (both from SDG 440-196042-1), M-74-20171109-EB8, M-81A-20171109-EB9 (both from SDG 440-196159-1), ART-9-110217-EB (from SDG 440-197102-1/N026836), PC-99R2/R3 120617-EB (from SDG 440-197918-1), ART-3A 120717-EB (from SDG 440-198049-1), PC-

99R2/R3 120617-EB (from SDG 440-198164-1/N027385), ART-3A 120717-EB (from SDG 440-198167-1/N027388), I-D 121317-EB (from SDG 440-198442-1), and I-D 121317-EB (from SDG 440-198982-1/N027535) were identified as equipment blanks. No contaminants were found with the following exceptions:

SDG	Blank ID	Collection Date	Analyte	Concentration	Associated Samples
440-190396-1	M-44-20170816-EB4	08/16/17	Perchlorate	0.53 mg/Kg	No associated samples in SDG 440-190396-1
440-195923-1	ARP-3A-20171107-EB6	11/07/17	Perchlorate	1.8 ug/L	ARP-3A-20171107
440-196042-1	M-38 20171108-EB4	11/08/17	Perchlorate	1.8 ug/L	M-38 20171108
440-196159-1	M-81A-20171109-EB9	11/09/17	Perchlorate	24 ug/L	M-81A-20171109
440-197918-1	PC-99R2/R3 120617-EB	12/06/17	Nitrate as N	0.11 ug/L	PC-99R2/R3 120617

Samples LVW4.2-20170725-FB (from SDG 440-188977-1), M-10-20170816-FB4 (from SDG 440-190396-1), LVW5.3-20170823-3-FB (from SDG 440-191016-1), LVW4.2-20170925-FB (from SDG 440-192940-1), LVW 0.55-20171016-FB (from SDG 440-194523-1), PC-91-20171106-FB5 (from SDG 440-195772-1), PC-101R-20171107-FB6 (from SDG 440-195923-1), PC-151 20171108-FB8, PC-149 20171108-FB7 (both from SDG 440-196042-1), M-22A-20171109-FB9, M-80-20171109-FB4 (both from SDG 440-196159-1), LVW0.55-20171113-FB (from SDG 440-196550-1), LVW4.2-4-20171205-FB and W8-9 3 Kids Weir-20171206-FB (both from SDG 440-198078-1) were identified as field blanks. No contaminants were found with the following exceptions:

SDG	Blank ID	Collection Date	Analyte	Concentration	Associated Samples
440-196042-1	PC-151 20171108-FB8	11/08/17	Perchlorate	0.54 ug/L	PC-151 20171108
440-196159-1	M-22A-20171109-FB9	11/09/17	Perchlorate	0.55 ug/L	M-22A-20171109
440-196159-1	M-80-20171109-FB4	11/09/17	Perchlorate Hexavalent chromium	1.3 ug/L 11 ug/L	M-80-20171109

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. Surrogates

Surrogates were added to all samples as required by method 300.1B. All surrogate recoveries (%R) were within QC limits.

V. Matrix Spike/Matrix Spike Duplicates

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

SDG	Spike ID (Associated Samples)	Analyte	MS (%R) (Limits)	MSD (%R) (Limits)	Flag	A or P
440-190404-1	H-28A-20170816MS/MSD (All samples in SDG 440-190404-1)	Toxic organic halides	47 (78-114)	52 (78-114)	J- (all detects)	A
440-190409-1	PC-119-081617MS/MSD (PC-133-081617 PC-117-081617 PC-119-081617 PC-118-081617 PC-116R-081617 PC-150-081617)	Chlorate	153 (75-125)	144 (75-125)	J+ (all detects)	A
440-192048-2	PC-116R-091217MS/MSD (All samples in SDG 440-192048-2)	Nitrate as N	-	79 (80-120)	J- (all detects) UJ (all non-detects)	A
440-195772-1	PC-62-20171106MS/MSD (PC-60-20171106 PC-62-20171106 PC-59-20171106 PC-56-20171106 PC-91-20171106 PC-58-20171106 PC-155B-20171106)	Perchlorate	128 (80-120)	129 (80-120)	J+ (all detects)	A
440-196212-1	I-Q-110917MS/MSD (All samples in SDG 440-196212-1)	Nitrate as N	123 (80-120)	133 (80-120)	J+ (all detects)	A
440-196550-1	LVW3.5-20171113-4MS/MSD (LVW3.5-20171113-4)	Perchlorate	128 (80-120)	129 (80-120)	J+ (all detects)	A
440-197918-1	PC-121 120617MS/MSD (PC-121 120617)	Perchlorate	162 (80-120)	164 (80-120)	J+ (all detects)	A

For I-AD 071317MS/MSD, I-I 071317MS/MSD (both from SDG 440-188334-1), I-F 071917MS/MSD, I-M 071917MS/MSD, and I-D 071917MS/MSD (all three from SDG 440-188660-1), ART-8A 081517MS/MSD (from SDG 440-190326-1), 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.

Relative percent differences (RPD) were within QC limits.

VI. Duplicate Sample Analysis

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

VII. Laboratory Control Samples

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

VIII. Field Duplicates

Samples PC-133 071117 and PC-133 071117-FD (both from SDGs 440-188144-1 and 440-188149-1/N024920), samples ART-1A 071217 and ART-1A 071217-FD (both from SDGs 440-188250-1 and 440-188308-1/N024941), samples I-T 071917 and I-T 071917-FD (both from SDGs 440-188660-1 and 440-188683-1/N025086), samples LVW7.2-20170725 and LVW7.2-20170725-FD (both from SDG 440-188974-1), samples LVW4.2-20170725-4 and LVW4.2-20170725-FD (both from SDG 440-188977-1), samples I-D 080917 and I-D 080917-FD (both from SDG 440-189926-1), samples I-D 080917 and I-D 080917-FD (both from SDG 440-189993-1/N025390), samples M-80-20170815 and M-80-20170815-FD4 (both from SDG 440-190309-1), samples ART-9 081517 and ART-9 081517-FD (both from SDG 440-190326-1), samples ART-9-081517 and ART-9-081517-FD (both from SDG 440-190334-1/N025472), samples PC-99R2/R3-081617 and PC-99R2/R3-081617-FD (both from SDG 440-190409-1), samples PC-99R2/R3-081617 and PC-99R2/R3-081617-FD (both from SDG 440-190442-1/N025484), samples LVW7.2-20170823 and LVW7.2-20170823-FD (both from SDG 440-191016-1), samples LVW0.55-20170830 and LVW0.55-20170830-FD (both from SDG 440-191279-1), samples ART-7B 090617 and ART-7B 090617-FD (both from SDG 440-191594-1), samples PC-115R-091217 and PC-115R-091217-FD (both from SDG 440-192048-2), samples PC-115R-091217 and PC-115R-091217-FD (both from SDG 440-192264-2/N025856), samples I-U 091417 and I-U 091417-FD (both from SDG 440-192285-1), samples ART-7B 090617 and ART-7B 090617-FD (both from SDG 440-192441-1/N025762), samples I-U 091417 and I-U 091417-FD (both from SDG 440-192901-1/N025919), samples LVW5.3-20170925-3 and LVW5.3-20170925-3-FD (both from SDG 440-192940-1), samples LVW0.55-20170926 and LVW0.55-20170926-FD (both from SDG 440-193001-1), samples PC-116R and PC-116R-FD (both from SDG 440-193550-1), samples PC-150 100517 and PC-150 100517-FD (both from SDG 440-193690-1), samples PC-150 100517 and PC-150 100517-FD (both from SDG 440-193740-1/N026298), samples I-AC 101017 and I-AC 101017-FD (both from SDG 440-193995-1), samples I-AC 101017 and I-AC 101017-FD (both from SDG 440-194003-1/N026379), samples LVW 5.3-20171017-3 and LVW 5.3-20171017-3-FD (both from SDG 440-194522-1), samples LVW 3.5-20171016-6 and LVW 3.5-20171016-6-FD (both from SDG 440-194523-1), samples PC-117 110117 and PC-117 110117-FD (both from SDG 440-195452-1), samples PC-117 110117 and PC-117 110117-FD (both from SDG 440-195525-1/N026812), samples ART-1A 110217 and ART-1A 110217-FD (both from SDG 440-195592-1), samples MW-K5-20171107 and MW-K5-20171107-FD5 (both from SDG 440-195923-1), samples ARP-6B-20171107 and ARP-6B-20171107-FD6 (both from SDG 440-195923-1), samples I-K 110717 and I-K 110717-FD (both

from SDG 440-195924-1/N026916), samples I-K 110717 and I-K 110717-FD (both from SDG 440-195925-1), samples PC-154 20171108 and PC-154 20171108-FD9 (both from SDG 440-196042-1), samples M-44 20171108 and M-44 20171108-FD4 (both from SDG 440-196042-1), samples PC-131 20171108 and PC-131 20171108-FD7 (both from SDG 440-196042-1), samples M-65-20171109 and M-65-20171109-FD8 (both from SDG 440-196159-1), samples LVW6.6-20171114-1 and LVW6.6-20171114-1-FD (both from SDG 440-196549-1), samples LVW3.5-20171113-6 and LVW3.5-20171113-6-FD (both from SDG 440-196550-1), samples ART-1A-110217 and ART-1A-110217-FD (both from SDG 440-197102-1/N026836), samples PC-115R 120617 and PC-115R 120617-FD (both from SDG 440-197918-1), samples ART-2 120717 and ART-2 120717-FD (both from SDG 440-198049-1), samples LVW6.6-3-2.0-20171205 and LVW6.6-3-2.0-20171205-FD (both from SDG 440-198078-1), samples Powerline Crossing-1.4-20171206 and Powerline Crossing-1.4-20171206-FD (both from SDG 440-198078-1), samples LVW3.5-6-2.0-20171204 and LVW3.5-6-2.0-20171204-FD (both from SDG 440-198078-1), samples PC-115R 120617 and PC-115R 120617-FD (both from SDG 440-198164-1/N027385), samples ART-2 120717 and ART-2 120717-FD (both from SDG 440-198167-1/N027388), samples I-M 121317 and I-M 121317-FD (both from SDG 440-198442-1), and samples I-M 121317 and I-M 121317-FD (both from SDG 440-198982-1/N027535) 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-133 071117	PC-133 071117-FD			
440-188144-1	pH	7.47 SU	7.41 SU	1 (≤30)	-	-
	Nitrate as N	0.30 mg/L	0.23 mg/L	26 (≤30)	-	-
	Chlorate	350 ug/L	350 ug/L	0 (≤30)	-	-
	Total dissolved solids	2000 mg/L	2000 mg/L	0 (≤30)	-	-
	Perchlorate	1.0 mg/L	1.0 mg/L	0 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		ART-1A 071217	ART-1A 071217-FD			
440-188250-1	pH	7.12 SU	7.18 SU	1 (≤30)	-	-
	Nitrate as N	2.1 mg/L	1.4 mg/L	40 (≤30)	NQ	-
	Chlorate	750 ug/L	730 ug/L	3 (≤30)	-	-
	Total dissolved solids	5000 mg/L	5000 mg/L	0 (≤30)	-	-
	Perchlorate	22 mg/L	22 mg/L	0 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		I-T 071917	I-T 071917-FD			
440-188660-1	pH	7.06 SU	7.05 SU	0 (≤30)	-	-
	Nitrate as N	62 mg/L	63 mg/L	2 (≤30)	-	-
	Chlorate	4600000 ug/L	4600000 ug/L	0 (≤30)	-	-
	Total dissolved solids	13000 mg/L	13000 mg/L	0 (≤30)	-	-
	Perchlorate	1600 mg/L	1600 mg/L	0 (≤30)	-	-

SDG	Analyte	Concentration (mg/L)		RPD (Limits)	Flag	A or P
		I-T 071917	I-T 071917-FD			
440-188683-1/ N025086	Hexavalent chromium	24	24	0 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		LVW7.2-20170725	LVW7.2-20170725-FD			
440-188974-1	Chlorate	150 ug/L	160 ug/L	6 (≤30)	-	-
	Total dissolved solids	1500 mg/L	1500 mg/L	0 (≤30)	-	-
	Perchlorate	6.1 ug/L	4.4 ug/L	32 (≤30)	J (all detects)	A

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		LVW4.2-20170725-4	LVW4.2-20170725-FD			
440-188977-1	Chlorate	170 ug/L	170 ug/L	0 (≤30)	-	-
	Total dissolved solids	1100 mg/L	1100 mg/L	0 (≤30)	-	-
	Perchlorate	21 ug/L	21 ug/L	0 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		I-D 080917	I-D 080917-FD			
440-189926-1	Chlorate	1300000 ug/L	1300000 ug/L	0 (≤30)	-	-
	Nitrate as N	47 mg/L	47 mg/L	0 (≤30)	-	-
	Total dissolved solids	7100 mg/L	7000 mg/L	1 (≤30)	-	-
	Field pH	7.38 SU	7.35 SU	0 (≤30)	-	-
	Perchlorate	700 mg/L	640 mg/L	9 (≤30)	-	-

SDG	Analyte	Concentration (mg/L)		RPD (Limits)	Flag	A or P
		I-D 080917	I-D 080917-FD			
440-18993-1/ N025390	Hexavalent chromium	4.9	4.9	0 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		M-80-20170815	M-80-20170815-FD4			
440-190309-1	Hexavalent chromium	3000 ug/L	3000 ug/L	0 (≤30)	-	-
	Total dissolved solids	5400 mg/L	5500 mg/L	2 (≤30)	-	-
	Perchlorate	370000 ug/L	530000 ug/L	36 (≤30)	J (all detects)	A

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		ART-9 081517	ART-9 081517-FD			
440-190326-1	Chlorate	430000 ug/L	420000 ug/L	2 (≤30)	-	-
	Nitrate as N	20 mg/L	22 mg/L	10 (≤30)	-	-
	Total dissolved solids	6400 mg/L	6400 mg/L	0 (≤30)	-	-
	Field pH	6.98 SU	7.03 SU	1 (≤30)	-	-
	Perchlorate	190 mg/L	200 mg/L	5 (≤30)	-	-

SDG	Analyte	Concentration (mg/L)		RPD (Limits)	Flag	A or P
		ART-9-081517	ART-9-081517-FD			
440-190334-1/ N025472	Hexavalent chromium	0.70	0.69	1 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		PC-99R2/R3-081617	PC-99R2/R3-081617-FD			
440-190409-1	Chlorate	15000 ug/L	15000 ug/L	0 (≤30)	-	-
	Nitrate as N	8.6 mg/L	8.6 mg/L	0 (≤30)	-	-
	Total dissolved solids	4200 mg/L	4200 mg/L	0 (≤30)	-	-
	Field pH	7.13 SU	7.16 SU	0 (≤30)	-	-
	Perchlorate	19 mg/L	19 mg/L	0 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		LVW7.2-20170823	LVW7.2-20170823-FD			
440-191016-1	Chlorate	330 ug/L	330 ug/L	0 (≤30)	-	-
	Total dissolved solids	1500 mg/L	1600 mg/L	6 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		LVW0.55-20170830	LVW0.55-20170830-FD			
440-191279-1	Chlorate	300 ug/L	280 ug/L	7 (≤30)	-	-
	Total dissolved solids	1400 mg/L	1400 mg/L	0 (≤30)	-	-
	Perchlorate	36 ug/L	37 ug/L	3 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		ART-7B 090617	ART-7B 090617-FD			
440-191594-1	Chlorate	340000 ug/L	340000 ug/L	0 (≤30)	-	-
	Nitrate as N	29 mg/L	28 mg/L	4 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		ART-7B 090617	ART-7B 090617-FD			
440-191594-1	Total dissolved solids	7600 mg/L	7600 mg/L	0 (≤30)	-	-
	Field pH	7.29 SU	7.30 SU	0 (≤30)	-	-
	Perchlorate	130 mg/L	110 mg/L	17 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		PC-115R-091217	PC-115R-091217-FD			
440-192048-2	Chlorate	5300 ug/L	5200 ug/L	2 (≤30)	-	-
	Nitrate as N	5.5 mg/L	4.5 mg/L	20 (≤30)	-	-
	Total dissolved solids	3000 mg/L	3100 mg/L	3 (≤30)	-	-
	Field pH	7.26 SU	7.24 SU	0 (≤30)	-	-
	Perchlorate	12 mg/L	13 mg/L	8 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		I-U 091417	I-U 091417-FD			
440-192285-1	pH	7.13 SU	7.08 SU	1 (≤30)	-	-
	Nitrate as N	50 mg/L	50 mg/L	0 (≤30)	-	-
	Chlorate	4800000 ug/L	4800000 ug/L	13 (≤30)	-	-
	Total dissolved solids	13000 mg/L	13000 mg/L	0 (≤30)	-	-
	Perchlorate	1500 mg/L	1500 mg/L	18 (≤30)	-	-

SDG	Analyte	Concentration (mg/L)		RPD (Limits)	Flag	A or P
		ART-7B 090617	ART-7B 090617-FD			
440-192441-1/ N025762	Hexavalent chromium	0.63	0.63	0 (≤30)	-	-

SDG	Analyte	Concentration (mg/L)		RPD (Limits)	Flag	A or P
		I-U 091417	I-U 091417-FD			
440-192901-1/ N025919	Hexavalent chromium	20	21	5 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		LVW5.3-20170925-3	LVW5.3-20170925-3-FD			
440-192940-1	Chlorate	270	280	4 (≤30)	-	-
	Total dissolved solids	1400	1400	0 (≤30)	-	-
	Perchlorate	14	12	15 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		LVW0.55-20170926	LVW0.55-20170926-FD			
440-193001-1	Chlorate	260 ug/L	270 ug/L	4 (≤30)	-	-
	Total dissolved solids	1300 mg/L	1300 mg/L	0 (≤30)	-	-
	Perchlorate	46 ug/L	46 ug/L	0 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		PC-116R	PC-116R-FD			
440-193550-1	Nitrate as N	6.4 mg/L	6.9 mg/L	8 (≤30)	-	-
	Chlorate	18000 ug/L	18000 ug/L	0 (≤30)	-	-
	Perchlorate	14 mg/L	13 mg/L	7 (≤30)	-	-
	Total dissolved solids	3700 mg/L	3700 mg/L	0 (≤30)	-	-
	Field pH	7.38 SU	7.29 SU	1 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		PC-150 100517	PC-150 100517-FD			
440-193690-1	Nitrate as N	11 mg/L	11 mg/L	0 (≤30)	-	-
	Chlorate	110000 ug/L	100000 ug/L	10 (≤30)	-	-
	Perchlorate	160 mg/L	94 mg/L	52 (≤30)	J (all detects)	A
	Total dissolved solids	5500 mg/L	5500 mg/L	0 (≤30)	-	-
	Field pH	6.61 SU	6.75 SU	2 (≤30)	-	-

SDG	Analyte	Concentration (mg/L)		RPD (Limits)	Flag	A or P
		PC-150 100517	PC-150 100517-FD			
440-193740-1/ N026298	Hexavalent chromium	0.074	0.076	3 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		I-AC 101017	I-AC 101017-FD			
440-193995-1	Nitrate as N	12 mg/L	12 mg/L	0 (≤30)	-	-
	Chlorate	620000 ug/L	600000 ug/L	3 (≤30)	-	-
	Perchlorate	230 mg/L	220 mg/L	4 (≤30)	-	-
	Total dissolved solids	6600 mg/L	6600 mg/L	0 (≤30)	-	-
	Field pH	7.49 SU	7.49 SU	0 (≤30)	-	-

SDG	Analyte	Concentration (mg/L)		RPD (Limits)	Flag	A or P
		I-AC 101017	I-AC 101017-FD			
440-194003-1/ N026379	Hexavalent chromium	2.0	2.1	5 (≤30)	-	-

SDG	Analyte	Concentration (mg/L)		RPD (Limits)	Flag	A or P
		PC-116R 100417	PC-116R 100417-FD			
440-194259-1/ N026263	Hexavalent chromium	0.0016	0.0016	0 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		LVW 5.3-20171017-3	LVW 5.3-20171017-3-FD			
440-194522-1	Chlorate	110 ug/L	100 ug/L	10 (≤30)	-	-
	Perchlorate	14 ug/L	16 ug/L	13 (≤30)	-	-
	Total dissolved solids	1400 mg/L	1400 mg/L	0 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		LVW 3.5-20171016-6	LVW 3.5-20171016-6-FD			
440-194523-1	Chlorate	180 ug/L	170 ug/L	6 (≤30)	-	-
	Perchlorate	55 ug/L	56 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-117 110117	PC-117 110117-FD			
440-195452-1	Nitrate as N	4.2 mg/L	4.0 mg/L	5 (≤30)	-	-
	Chlorate	12000 ug/L	190 ug/L	194 (≤30)	J (all detects)	A
	Perchlorate	8.7 mg/L	9.5 mg/L	9 (≤30)	-	-
	Total dissolved solids	3000 mg/L	3000 mg/L	0 (≤30)	-	-
	Field pH	7.41 SU	7.36 SU	1 (≤30)	-	-

SDG	Analyte	Concentration (mg/L)		RPD (Limits)	Flag	A or P
		PC-117 110117	PC-117 110117-FD			
440-195525-1/ N026812	Hexavalent chromium	0.0018	0.0018	0 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		ART-1A 110217	ART-1A 110217-FD			
440-195592-1	Nitrate as N	1.4 mg/L	1.3 mg/L	7 (≤30)	-	-
	Chlorate	960 ug/L	940 ug/L	2 (≤30)	-	-
	Perchlorate	25 mg/L	26 mg/L	4 (≤30)	-	-
	Total dissolved solids	4900 mg/L	4900 mg/L	0 (≤30)	-	-
	Field pH	6.90 SU	6.94 SU	1 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		MW-K5-20171107	MW-K5-20171107-FD5			
440-195923-1	Nitrate as N	11 mg/L	11 mg/L	0 (≤30)	-	-
	Chlorate	24000 ug/L	26000 ug/L	8 (≤30)	-	-
	Perchlorate	30000 ug/L	31000 ug/L	3 (≤30)	-	-
	Total dissolved solids	5500 mg/L	5500 mg/L	0 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		ARP-6B-20171107	ARP-6B-20171107-FD6			
440-195923-1	Nitrate as N	22 mg/L	22 mg/L	0 (≤30)	-	-
	Chlorate	240000 ug/L	240000 ug/L	0 (≤30)	-	-
	Perchlorate	53000 ug/L	53000 ug/L	0 (≤30)	-	-
	Total dissolved solids	7100 mg/L	7100 mg/L	0 (≤30)	-	-

SDG	Analyte	Concentration (mg/L)		RPD (Limits)	Flag	A or P
		I-K 110717	I-K 110717-FD			
440-195924-1/ N026916	Hexavalent chromium	2.2	2.2	0 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		I-K 110717	I-K 110717-FD			
440-195925-1	Nitrate as N	13 mg/L	12 mg/L	8 (≤30)	-	-
	Chlorate	680000 ug/L	680000 ug/L	0 (≤30)	-	-
	Perchlorate	290 mg/L	290 mg/L	0 (≤30)	-	-
	Total dissolved solids	6300 mg/L	6400 mg/L	2 (≤30)	-	-
	Field pH	7.51 SU	7.44 SU	1 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		PC-154 20171108	PC-154 20171108-FD9			
440-196042-1	Nitrate as N	12 mg/L	11 mg/L	9 (≤30)	-	-
	Chlorate	8300 ug/L	9100 ug/L	9 (≤30)	-	-
	Perchlorate	62000 ug/L	63000 ug/L	2 (≤30)	-	-
	Total dissolved solids	5300 mg/L	5200 mg/L	2 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		M-44 20171108	M-44 20171108-FD4			
440-196042-1	Nitrate as N	63 mg/L	57 mg/L	10 (≤30)	-	-
	Chlorate	580000 ug/L	580000 ug/L	0 (≤30)	-	-
	Perchlorate	710000 ug/L	750000 ug/L	5 (≤30)	-	-
	Total dissolved solids	8300 mg/L	8200 mg/L	1 (≤30)	-	-
	Hexavalent chromium	750 ug/L	760 ug/L	1 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		PC-131 20171108	PC-131 20171108-FD7			
440-196042-1	Chlorate	140 ug/L	120 ug/L	15 (≤30)	-	-
	Perchlorate	510 ug/L	520 ug/L	2 (≤30)	-	-
	Total dissolved solids	9300 mg/L	9300 mg/L	0 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		M-65-20171109	M-65-20171109-FD8			
440-196159-1	Nitrate as N	56 mg/L	56 mg/L	0 (≤30)	-	-
	Chlorate	3800000 ug/L	3800000 ug/L	0 (≤30)	-	-
	Perchlorate	850000 ug/L	850000 ug/L	0 (≤30)	-	-
	Total dissolved solids	10000 mg/L	10000 mg/L	0 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		LVW6.6-20171114-1	LVW6.6-20171114-2			
440-196549-1	Chlorate	80 ug/L	82 ug/L	2 (≤30)	-	-
	Perchlorate	13 ug/L	15 ug/L	14 (≤30)	-	-
	Total dissolved solids	1600 mg/L	1600 mg/L	0 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		LVW3.5-20171113-6	LVW3.5-20171113-6-FD			
440-196550-1	Chlorate	210 ug/L	230 ug/L	9 (≤30)	-	-
	Perchlorate	47 ug/L	51 ug/L	8 (≤30)	-	-
	Total dissolved solids	1300 mg/L	1300 mg/L	0 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		PC-115R 120617	PC-115R 120617-FD			
440-197918-1	Nitrate as N	6.4 mg/L	6.7 mg/L	5 (≤30)	-	-
	Chlorate	9600 ug/L	9800 ug/L	2 (≤30)	-	-
	Perchlorate	15 mg/L	16 mg/L	6 (≤30)	-	-
	Total dissolved solids	3300 mg/L	3300 mg/L	0 (≤30)	-	-
	Field pH	7.04 SU	7.16 SU	2 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		ART-2 120717	ART-2 120717-FD			
440-198049-1	Nitrate as N	1.6 mg/L	1.9 mg/L	17 (≤30)	-	-
	Chlorate	15000 ug/L	14000 ug/L	7 (≤30)	-	-
	Perchlorate	16 mg/L	15 mg/L	6 (≤30)	-	-
	Total dissolved solids	8800 mg/L	8800 mg/L	0 (≤30)	-	-
	Field pH	7.01 SU	7.01 SU	0 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		LVW6.6-3-2.0-20171205	LVW6.6-3-2.0-20171205-FD			
440-198078-1	Chlorate	270 ug/L	270 ug/L	0 (≤30)	-	-
	Perchlorate	52 ug/L	53 ug/L	2 (≤30)	-	-
	Total dissolved solids	1500 mg/L	1500 mg/L	0 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		Powerline Crossing-1.4-20171206	Powerline Crossing-1.4-20171206-FD			
440-198078-1	Chlorate	260 ug/L	270 ug/L	4 (≤30)	-	-
	Perchlorate	72 ug/L	75 ug/L	4 (≤30)	-	-
	Total dissolved solids	1400 mg/L	1400 mg/L	0 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		LVW3.5-6-2.0-20171204	LVW3.5-6-2.0-20171204-FD			
440-198078-1	Chlorate	250 ug/L	250 ug/L	0 (≤30)	-	-
	Perchlorate	55 ug/L	56 ug/L	2 (≤30)	-	-
	Total dissolved solids	1300 mg/L	1300 mg/L	0 (≤30)	-	-

SDG	Analyte	Concentration (mg/L)		RPD (Limits)	Flag	A or P
		ART-2 120717	ART-2 120717-FD			
440-198167-1/ N027388	Hexavalent chromium	0.0083	0.0079	5 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		I-M 121317	I-M 121317-FD			
440-198442-1	Nitrate as N	41 mg/L	41 mg/L	0 (≤30)	-	-
	Chlorate	810000 ug/L	820000 ug/L	1 (≤30)	-	-
	Perchlorate	760 mg/L	850 mg/L	11 (≤30)	-	-
	Total dissolved solids	7500 mg/L	7500 mg/L	0 (≤30)	-	-
	Field pH	7.20 SU	7.19 SU	0 (≤30)	-	-

SDG	Analyte	Concentration (mg/L)		RPD (Limits)	Flag	A or P
		I-M 121317	I-M 121317-FD			
440-198982-1/ N027535	Hexavalent chromium	6.2	6.1	2 (≤30)	-	-

IX. Sample Result Verification

Raw data were not reviewed for Stage 2A validation.

X. Overall Assessment of Data

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

Due to MS/MSD %R and field duplicates RPD, data were qualified as estimated in forty three samples.

The quality control criteria reviewed, other than those discussed above, were met and are considered acceptable. Sample results that were found to be estimated (J) are usable for limited purposes only. Based upon the data validation all other results are considered valid and usable for all purposes.

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SDG	Sample	Analyte	Flag	A or P	Reason (Code)
440-190404-1	H-28A-20170816	Toxic organic halides	J- (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-190409-1	PC-133-081617 PC-117-081617 PC-119-081617 PC-118-081617 PC-116R-081617 PC-150-081617	Chlorate	J+ (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-192048-2	PC-99R2/R3-091217 PC-115R-091217 PC-115R-091217-FD PC-116R-091217 PC-116R-091217-EB PC-117-091217 PC-118-091217 PC-119-091217 PC-120-091217 PC-121-091217 PC-133-091217	Nitrate as N	J- (all detects) UJ (all non-detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-195772-1	PC-60-20171106 PC-62-20171106 PC-59-20171106 PC-56-20171106 PC-91-20171106 PC-58-20171106 PC-155B-20171106	Perchlorate	J+ (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)

SDG	Sample	Analyte	Flag	A or P	Reason (Code)
440-196212-1	I-Q-110917 I-G-110917 I-T-110917 I-U-110917 I-H-110917 I-P-110917 I-W-110917 I-O-110917	Nitrate as N	J+ (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-196550-1	LVW3.5-20171113-4	Perchlorate	J+ (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-197918-1	PC-121 120617	Perchlorate	J+ (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-188974-1	LVW7.2-20170725 LVW7.2-20170725-FD	Perchlorate	J (all detects)	A	Field duplicates (RPD) (fd)
440-190309-1	M-80-20170815 M-80-20170815-FD4	Perchlorate	J (all detects)	A	Field duplicates (RPD) (fd)
440-193690-1	PC-150 100517 PC-150 100517-FD	Perchlorate	J (all detects)	A	Field duplicates (RPD) (fd)
440-195452-1	PC-117 110117 PC-117 110117-FD	Chlorate	J (all detects)	A	Field duplicates (RPD) (fd)

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198442-1, 440-198982-1/N027535, 440-198984-1/N027508

No Sample Data Qualified in these SDGs

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Wet Chemistry - Field Blank Data Qualification Summary - SDGs 440-188144-1, 440-188149-1/N024920, 440-188250-1, 440-188308-1/N024941, 440-188334-1, 440-188548-1, 440-188660-1, 440-188680-1/N024967, 440-188682-1/N025056, 440-188683-1/N025086, 440-188971-1, 440-188974-1, 440-188977-1,440-189821-1, 440-189867-1/N025360, 440-189926-1, 440-189993-1/N025390, 440-190045-1, 440-190064-1/N025406, 440-190309-1, 440-190310-1, 440-190326-1, 440-190328-1, 440-190334-1/N025472, 440-190396-1, 440-190404-1, 440-190409-1, 440-190442-1/N025484, 440-191016-1, 440-191163-1, 440-191279-1, 440-191594-1, 440-192048-1, 440-192048-2, 440-192159-1, 440-192264-1/N025856, 440-192264-2/N025856, 440-192266-1/N025881, 440-192285-1, 440-192441-1/N025762, 440-192901-1/N025919, 440-192940-1, 440-193001-1, 440-193550-1, 440-193690-1, 440-193740-1/N026298, 440-193995-1, 440-194003-1/N026379, 440-194106-1, 440-194259-1/N026263, 440-194290-1/N026408, 440-194522-1, 440-194523-1, 440-195054-1, 440-195452-1, 440-195525-1/N026812, 440-195592-1, 440-195772-1, 440-195923-1, 440-195924-1/N026916, 440-195925-1, 440-196040-1, 440-196041-1/N026930, 440-196042-1, 440-196159-1, 440-196212-1, 440-196271-1, 440-196547-1, 440-196549-1, 440-196550-1, 440-197102-1/N026836, 440-198178-1/N026973, 440-197918-1, 440-197927-1, 440-198049-1, 440-198078-1, 440-198164-1/N027385, 440-198166-1/N027384, 440-198167-1/N027388, 440-198337-1, 440-198442-1, 440-198442-1, 440-198982-1/N027535, 440-198984-1/N027508

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