Data Validation Summary Report, Revision 1
January through June 2014
Annual Remedial Performance Sampling
Nevada Environmental Response Trust (NERT)
Henderson, Nevada

Prepared for

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ATTACHMENT

LIST OF ACRONYMS AND ABBREVIATIONS

CCB	Continuing Calibration Blank
DQO	Data Quality Objectives
DNR	Do Not Report
DUP	Duplicate
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.
MS/MSD	Matrix Spike / Matrix Spike Duplicate
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
TIN	Total Inorganic Nitrogen
TOC	Total Organic Carbon
TOX	Total Organic Halides
TRP	Total Recoverable Phenolics
USEPA	United States Environmental Protection Agency
ug/L	Micrograms per Liter
mg/L	Milligram per Liter
%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 Annual Remedial Performance Sampling conducted at the Nevada Environmental Response Trust (NERT) site in Henderson, Nevada. The assessment was performed by ENVIRON as a part of the *Revised Phase B Quality Assurance Project Plan Tronox LLC Facility, Henderson, Nevada* dated May 2009 and included the collection and analyses of 599 environmental and quality control (QC) samples. The analyses were performed by the following methods:

Metals by Environmental Protection Agency (EPA) Methods 200.7 and 200.8

Wet Chemistry:
Hexavalent Chromium by EPA Method 218.6
Chloride, Nitrate as Nitrogen, Nitrite as Nitrogen, and Sulfate (Anions) by EPA Method 300.0
Chlorate by EPA Method 300.1B
Perchlorate by EPA Method 314.0
Ammonia as Nitrogen by EPA Method 350.1
Total Recoverable Phenolics (TRP) by EPA Method 420.1
Nitrate/Nitrite as Nitrogen and Total Inorganic Nitrogen (TIN) by Calculation Method
Orthophosphate as Phosphorus and Orthophosphate as Phosphate by EPA Method 365.1 and Standard Method 4500PE
Cation Sum, Anion Sum, and Cation/Anion Difference by Standard Method 1030E
Alkalinity by Standard Method 2320B
Total Suspended Solids (TSS) by Standard Method 2540D
Fluoride by Standard Method 4500F-C
Specific Conductance by Standard Method 2510
Total Dissolved Solids (TDS) by Standard Method 2540C
pH by Standard Method 4500 H+B
Total Organic Carbon (TOC) by Standard Method 5310C
Total Organic Halides (TOX) by EPA SW-846 Method 9020B

Laboratory analytical services were provided by TestAmerica, Inc. and Eurofins. The samples were grouped into sample delivery groups (SDGs). The water samples are associated with 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.

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, approximately ninety percent of the analytical data (537 of the 599 samples) were validated according to Stage 2B data validation procedures and ten percent of the analytical data (62 of the 599 samples) were validated according to Stage 4 data validation procedures. The analytical data were evaluated for quality assurance and quality control (QA/QC) based on the following documents: *Basic Remediation Company (BRC) Standard Operating Procedures (SOP) 40 Data Review/Validation,* Revision 4, May 2009; *Revised Phase B Quality Assurance Project Plan Tronox LLC Facility, Henderson, Nevada (*QAPP), Revision, May 2009; 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; *Contract Laboratory Program National Functional Guidelines for Inorganic Data Review*, October 2004; 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.

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), method blanks, laboratory control samples and laboratory control sample duplicates (LCS/LCSDs), laboratory duplicates (DUP), and matrix spike/matrix spike duplicates (MS/MSDs).

Before conducting the PARCCS evaluation, the analytical data were validated according to the BRC SOP-40 (July 2007), QAPP (May 2009), Functional Guidelines (USEPA 2004), and EPA SW 846 Test Methods. Samples not meeting the acceptance criteria were qualified with a flag, an abbreviation indicating a deficiency with the data. The following are flags used in data validation.

J- Estimated The associated numerical value is an estimated quantity with a negative bias. The analyte was detected but the reported value may not be accurate or precise.

J+ Estimated The associated numerical value is an estimated quantity with a positive bias. The analyte was detected but the reported value may not be accurate or precise.

J Estimated The associated numerical value is an estimated quantity. It is not possible to assess the direction of the potential bias. The analyte was detected but the reported value may not be accurate or precise. The "J" qualification indicates the data fell outside the QC limits, but the exceedance was not sufficient to cause rejection of the data.

J-CAB The analytical result is estimated based on failure of the cation-anion balance correctness check performed in accordance with Standard Method 1030E.

R Rejected The data is unusable (the compound or 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. The "R" designation is also applied to yield only one complete set of data for a given sample and eliminate redundant data.

U Nondetected Analyses were performed for the compound or analyte, but it was not detected. The "U" flag is used to qualify any result that is detected in an environmental sample and associated blank at less than the PQL.

UJ Estimated/Nondetected Analyses were performed for the compound or analyte, but it was not detected and the sample quantitation or detection limit is an estimated quantity due to poor accuracy or precision. This qualification is also used to flag possible false negative results in the case where low bias in the analytical system is indicated by low calibration response, surrogate, or other spike recovery.

DNR Do Not Report A more appropriate result is reported from another analysis or dilution.

None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

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 > 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 or J+ or J-	The UJ flag is used when a non-detected (U) flag is added to a biased (J+ or J-) or non-biased flag (J).

Table II 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 III 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 BRC SOP-40, QAPP, functional guidelines, and EPA Test Methods, the data set is then evaluated using PARCCS criteria. PARCCS criteria provide an evaluation of overall data usability. The following is a discussion of PARCCS criteria as related to the project DQOs.

Precision is a measure of the agreement or reproducibility of analytical results under a given set of conditions. It is a quantity that cannot be measured directly but is calculated from percent recovery data. 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 percent recoveries 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 is used to prepare aqueous LCS. The LCS measures laboratory efficiency in recovering target analytes from either an aqueous matrix in the absence of matrix interferences.

One primary sample is analyzed and accompanied by an unspiked laboratory duplicate. The data reviewer compares the reported results of the primary analysis and the laboratory duplicate, then calculates RPDs, which are used to assess laboratory precision.

Laboratory and field sampling precision are evaluated by calculating RPDs for aqueous 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 either MS/MSD samples or LCS/LCSD 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 matrix interference, improper sample collection or handling, inconsistent sample preparation, and poor instrument stability. In some duplicate pairs, results maybe reported in either the primary or duplicate samples at levels below the practical quantitation limit (PQL) or non-detected. Since these values are considered to be estimates, RPD exceedances from these duplicate pairs do not suggest a significant impact on the data quality.

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

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

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

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

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

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

A method blank is a laboratory grade water or solid matrix that contains the method reagents and has undergone the same preparation and analysis as the environmental samples. The method blank provides a measure of the combined contamination derived from the laboratory source water, glassware, instruments, reagents, and sample preparation steps. Method blanks are prepared for each sample of a similar matrix extracted by the same method at a similar concentration level.

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. Equipment blanks were collected and analyzed for all target analytes.

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. Field blanks were collected and analyzed for all target analytes.

Contaminants found in both the environmental sample and the blank sample are assumed to be laboratory artifacts if both values are less than the PQL or if a sample result and blank contaminant value were greater than the PQL and less than 10 times the blank contaminant value. 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, volatization, and chemical degradation. In accordance with EPA guidance (USEPA 2004), sample results for analyses that were performed after the method holding time but less than two times the method holding time were qualified as estimated (J- or UJ) and sample results for analyses that were performed after two times the method holding time were qualified as rejected (R), with the exception of specific pH results detailed in Attachment B, Section I. Although the holding time for some pH analyses was exceeded by more than two times the holding time, using professional judgment the associated sample results were qualified as estimated (J/UJ) because the sample condition and integrity was maintained during collection, transport, and storage.

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. In addition, sample results are compared to method blank and field blank results to identify potential effects of laboratory background and field procedures on sensitivity.

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

2.0 METALS

A total of 390 water samples were analyzed for metals by EPA Methods 200.7 and 200.8. All metal data were assessed to be valid since none of the 472 total results were rejected based on holding time and QC exceedances. This section discusses the QA/QC supporting documentation as defined by the PARCCS criteria and evaluated based on the DQOs.

2.1 Precision and Accuracy

2.1.1 Instrument Calibration

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

The correlation coefficients in the initial calibrations met the acceptance criteria of ≥ 0.995.

Due to high CCV %Rs outside of acceptance criteria of 90-110%, the chromium result for sample PC-91 (sampled on 2/12/14) was qualified as detected estimated (J+). The details regarding the qualification of results are presented in Attachment A, Section III.

2.1.2 MS/MSD Samples

Due to high MS/MSD %Rs outside of acceptance criteria as stated in the QAPP, the chromium result for sample PC-18 (sampled on 2/14/14) was qualified as detected estimated (J+). The details regarding the qualification of results are presented in Attachment A, Section VI.

2.1.3 LCS/LCSD Samples

All LCS/LCSD %Rs and RPDs met acceptance criteria as stated in the QAPP.

2.1.4 ICP Interference Check Sample

All ICP interference check %Rs met acceptance criteria as stated in the QAPP.

2.1.5 ICP Serial Dilution

All ICP serial dilution %Ds met acceptance criteria as stated in the QAPP.

2.1.6 FD Samples

The field duplicate samples were evaluated for acceptable precision with RPDs or difference in instances the results were less than five times the reporting limit for the compounds. Two chromium results were qualified as detected estimated (J) due to difference outside of acceptance criteria in field duplicate pair PC-142 and DUP-3. The field duplicate RPDs or differences are presented in detail in Attachment A, Section XIII.

2.1.7 Analyte Quantitation and Target Identification

Raw data were evaluated for the Stage 4 samples. All analyte quantitation and target identifications were acceptable.

Due to ion balance %D outside of acceptance criteria as stated in the QAPP, the calcium, magnesium, potassium, and sodium results for sample ART-9 (sampled on 2/3/14) were qualified as detected estimated (J-CAB). The details regarding the qualification of results are presented in Attachment A, Section III.

In instances where data was reported in multiple SDGs, data was qualified as not reportable by the validators in order to yield only one complete set of data for a given sample.

2.2 Representativeness

2.2.1 Sample Preservation and Holding Times

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

2.2.2 Blanks

Method blanks, ICB/CCBs, EBs, and FBs were 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 concentration reported in the sample results.

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

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 amended.

2.2.2.1 Method and Calibration Blanks

No data were qualified due to contaminants detected in the method or calibration blanks for this analysis.

2.2.2.2 EBs and FBs

The chromium results in samples M-77, M-21, M-138, M-137, M-132, and M-124 (all sampled on 5/14/14) were qualified as detected estimated (J) due to contaminants detected in the equipment blanks. The details regarding the qualification of results are presented in Attachment A, Section IV.

2.3 Comparability

The laboratory used standard analytical methods for all of the analyses. In all cases, the Sample Quantitation Limits (SQLs) attained were at or below the PQLs. 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 49 water samples were analyzed for hexavalent chromium by EPA Method 218.6; 48 water samples were analyzed for anions by EPA Method 300.0; 34 water samples were analyzed for chlorate by EPA Method 300.1B; 12 water samples were analyzed for ammonia as nitrogen by EPA Method 350.1 and TIN by Calculation Method; 2 water samples were analyzed for nitrate/nitrite as nitrogen by Calculation Method; 10 water samples were analyzed for orthophosphate as phosphate and orthophosphate as phosphorus by EPA Method 365.1 and Standard Method 4500PE, cation sum, anion sum, and cation/anion difference by Standard Method 1030E, Alkalinity by Standard Method 2320B, TSS

by Standard Method 2540D, and fluoride by Standard Method 4500F-C; 589 water samples were analyzed for perchlorate by EPA Method 314.0; 4 water samples were analyzed for TRP by EPA Method 420.1, specific conductance by Standard Method 2510, TOC by Standard Method 5310C, and TOX by EPA SW-846 Method 9020; 582 water samples were analyzed for TDS by Standard Method 2540C; and 398 water samples were analyzed for pH by Standard Method 4500 H+B. All wet chemistry data were assessed to be valid since none of the 1,860 total results were rejected based on holding time and QC exceedances. This section discusses the QA/QC supporting documentation as defined by the PARCCS criteria and evaluated based on the DQOs.

3.1 Precision and Accuracy

3.1.1 Instrument Calibration

As previously discussed in Section 2.1.1, initial and continuing calibration results provide a means of evaluating accuracy.

Instrument calibrations were evaluated for all wet chemistry methods. The correlation coefficients in the initial calibrations were within the acceptance criteria of ≥ 0.995 and the %Rs in the continuing calibration verifications met the acceptance criteria of 90-110%.

3.1.2 Surrogate

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

3.1.3 MS/MSD Samples

MS/MSD samples were evaluated for all wet chemistry methods with the exception of chlorate by EPA Method 300.1, perchlorate by EPA Method 314.0, ammonia as nitrogen by EPA Method 350.1, cation/anion balance by Standard Method 1030E, specific conductance by Standard Method 2510, TDS by Standard Method 2540C, pH by Standard Method 4500 H+B, and TOX by EPA SW-846 Method 9020. Due to MS/MSD %Rs and RPDs outside of acceptance criteria as stated in the QAPP, 14 nitrate as nitrogen, phenols, hexavalent chromium, and TOC results were qualified as detected estimated (J-/J) or non-detected estimated (UJ). The details regarding the qualification of results are presented in Attachment B, Section V.

3.1.4 DUP Samples

DUP samples were evaluated for TDS by Standard Method 2540C and pH by Standard Method 4500 H+B. All DUP RPDs met the acceptance criteria as stated in the QAPP.

3.1.5 LCS/LCSD Samples

LCS/LCSD samples were evaluated for all wet chemistry methods. All LCS/LCSD %Rs and RPDs met the acceptance criteria as stated in the QAPP.

3.1.6 FD Samples

FD samples were evaluated for hexavalent chromium by EPA Method 218.6, nitrate as nitrogen by EPA Method 300.0, chlorate by EPA Method 300.1, perchlorate by EPA Method 314.0, TDS by Standard Method 2540C, and pH by Standard Method 4500 H+B. The field duplicate samples were evaluated for acceptable precision with RPDs or difference in instances the results were less than five times the reporting limit for the compounds. The field duplicate RPDs or differences were within the acceptance criteria. The details regarding the qualification of results are presented in Attachment B, Section X.

3.1.7 Analyte Quantitation and Target Identification

Raw data were evaluated for the Stage 4 samples. All analyte quantitation and target identifications were acceptable.

Due to ion balance %D outside of acceptance criteria as stated in the QAPP, the chloride, sulfate, nitrate as nitrogen, alkalinity, and fluoride results for sample ART-9 (sampled on 2/3/14) were qualified as detected estimated (J-CAB). The details regarding the qualification of results are presented in Attachment B, Section IX.

In instances where data was reported in multiple SDGs, data was qualified as not reportable by the validators in order to yield only one complete set of data for a given sample.

3.2 Representativeness

3.2.1 Sample Preservation and Holding Times

The evaluation of holding times to verify compliance with all wet chemistry methods was conducted. All water samples met the 48-hour analysis holding time criteria for orthophosphate as phosphorus, orthophosphate as phosphate, and nitrite as nitrogen, the 7-day analysis holding time criteria for TDS and TSS, the 14-day analysis holding time criteria for alkalinity, and the 28-day analysis holding time criteria for ammonia as nitrogen, cation/anion balance, chlorate, chloride, fluoride, sulfate, phenols, specific conductance, TOC, TOX, and perchlorate.

Due to holding time criteria exceedance, 180 results for hexavalent chromium, nitrate as nitrogen, and pH were qualified as detected estimated (J-/J) or non-detected estimated (UJ). The analysis holding time criteria for water samples is 24 hours for hexavalent chromium and 48 hours for nitrate as nitrogen and pH. Although the holding time for nitrate as nitrogen and dissolved hexavalent chromium analyses exceeded the holding time criteria by 2x, no data were rejected as the affected results were detect and qualified as estimated (J-). The details regarding the qualification of results are presented in Attachment B, Section I.

3.2.2 Blanks

As previously discussed in Section 2.2.2, method blanks, ICB/CCBs, EBs, and FBs were analyzed to evaluate representativeness.

3.2.2.1 Method and Calibration Blanks

No data were qualified due to contaminants detected in the calibration blanks for this analysis.

3.2.2.2 EBs and FBs

No data were qualified due to contaminants detected in the equipment or field blanks for this analysis.

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. The comparability of the 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 VARIANCES IN ANALYTICAL PERFORMANCE

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

5.0 SUMMARY OF PARCCS CRITERIA

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

5.1 Precision and Accuracy

Precision and accuracy were evaluated using data quality indicators such as calibration, 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 calibrations were performed as required and met the acceptance criteria. All surrogate, MS/MSD, DUP, LCS/LCSD, and field duplicate percent recoveries, RPDs, and difference met acceptance criteria with the exceptions noted in Sections 2.1.1, 2.1.2, 2.1.6, 2.1.7, 3.1.3, and 3.1.7. All ICP interference check sample %Rs met acceptance criteria.

5.2 Representativeness

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

5.3 Comparability

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

5.4 Completeness

Of the 2,332 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	472	0	100
Wet Chemistry	1,860	0	100
Total	**2,332**	**0**	**100**

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

5.5 Sensitivity

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

6.0 CONCLUSIONS AND RECOMMENDATIONS

The analytical data quality assessment for the water sample laboratory analytical results generated during the Annual Remedial Performance Sampling at the Nevada Environmental Response Trust (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 2B and Stage 4 data validation all other results are considered valid and usable for all purposes.

7.0 REFERENCES

NDEP 2009. Data Verification and Validation Requirements - Supplement established for the BMI Plant Sites and Common Areas Projects, Henderson, Nevada. April 13.

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TABLE I

TABLE I - Sample Cross-Reference

SDG	Client Sample ID	Lab Sample ID	Matrix	Sample Date	QC Type	Validation Level	Metals (200.7)	Diss. Metals (200.7)	Cr (200.7/200.8)	Diss. Se (200.8)	Cr^{6+} (218.6)	Cl,SO_4,NO_3-N,NO_2-N (300.0)	Chlorate (300.1B)	ClO_4 (314.0)
467090	ART-4A	201402040369	Water	20140203		Stage 2B		X	X	X	X	X		
467090	ART-4AMS	201402040369MS	Water	20140203	MS	Stage 2B						X		
467090	ART-4AMSD	201402040369MSD	Water	20140203	MSD	Stage 2B						X		
467090	ART-9	201402040370	Water	20140203		Stage 2B		X	X	X	X	X		
467090	PC-117	201402040371	Water	20140203		Stage 2B		X	X	X	X	X		
467090	PC-119	201402040372	Water	20140203		Stage 2B		X	X	X	X	X		
467090	PC-119MS	201402040372MS	Water	20140203	MS	Stage 2B		X						
467090	PC-119MSD	201402040372MSD	Water	20140203	MSD	Stage 2B		X						
467090	PC-121	201402040373	Water	20140203		Stage 2B		X	X	X	X	X		
467090	PC-121MS	201402040373MS	Water	20140203	MS	Stage 2B					X			
467090	PC-121MSD	201402040373MSD	Water	20140203	MSD	Stage 2B					X			
467090	PC-133	201402040374	Water	20140203		Stage 2B		X	X	X	X	X		
467090	PC-133MS	201402040374MS	Water	20140203	MS	Stage 2B			X	X				
467090	PC-133MSD	201402040374MSD	Water	20140203	MSD	Stage 2B			X	X				
468765	PC-62	201402130582	Water	20140212		Stage 4		X	X	X	X	X		
468765	PC-62MS	201402130582MS	Water	20140212	MS	Stage 4								
468765	PC-62MSD	201402130582MSD	Water	20140212	MSD	Stage 4								
468765	PC-91	201402130583	Water	20140212		Stage 4		X	X	X	X	X		
469017	MW-K4	201402150191	Water	20140213		Stage 2B		X	X	X	X	X		
469017	MW-K4MS	201402150191MS	Water	20140213	MS	Stage 2B								
469017	MW-K4MSD	201402150191MSD	Water	20140213	MSD	Stage 2B								
469017	PC-103	201402150192	Water	20140213		Stage 2B		X	X	X	X	X		
469017	PC-103MS	201402150192MS	Water	20140213	MS	Stage 2B					X			
469017	PC-103MSD	201402150192MSD	Water	20140213	MSD	Stage 2B					X			
440-67075-1	ART-1	440-67075-1	Water	20140108		Stage 2B								X
440-67075-1	ART-2	440-67075-2	Water	20140108		Stage 2B								X
440-67075-1	ART-3	440-67075-3	Water	20140108		Stage 2B								X
440-67075-1	ART-4	440-67075-4	Water	20140108		Stage 2B								X
440-67075-1	ART-6	440-67075-5	Water	20140108		Stage 2B								X
440-67075-1	ART-7	440-67075-6	Water	20140108		Stage 2B								X
440-67075-1	ART-8	440-67075-7	Water	20140108		Stage 2B								X
440-67075-1	ART-9	440-67075-8	Water	20140108		Stage 2B								X
440-67075-1	PC-115R	440-67075-10	Water	20140108		Stage 2B								X
440-67075-1	PC-116R	440-67075-11	Water	20140108		Stage 2B								X
440-67075-1	PC-117	440-67075-12	Water	20140108		Stage 2B								X
440-67075-1	PC-118	440-67075-13	Water	20140108		Stage 2B								X
440-67075-1	PC-119	440-67075-14	Water	20140108		Stage 2B								X
440-67075-1	PC-120	440-67075-15	Water	20140108		Stage 2B								X
440-67075-1	PC-121	440-67075-16	Water	20140108		Stage 2B								X
440-67075-1	PC-133	440-67075-17	Water	20140108		Stage 2B								X
440-67075-1	PC-99R2/R3	440-67075-9	Water	20140108		Stage 2B								X

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SDG	Client Sample ID	Lab Sample ID	Matrix	Sample Date	QC Type	Validation Level	Metals (200.7)	Diss. Metals (200.7)	Cr (200.7/200.8)	Diss. Se (200.8)	Cr^{6+} (218.6)	Cl,SO_4,NO_3-N,NO_2-N (300.0)	Chlorate (300.1B)	ClO_4 (314.0)
440-67726-1	ARP-1	440-67726-12	Water	20140115		Stage 2B								X
440-67726-1	ARP-2A	440-67726-23	Water	20140115		Stage 2B								X
440-67726-1	ARP-3A	440-67726-22	Water	20140115		Stage 2B								X
440-67726-1	ARP-4A	440-67726-19	Water	20140115		Stage 2B								X
440-67726-1	ARP-5A	440-67726-18	Water	20140115		Stage 2B								X
440-67726-1	ARP-6B	440-67726-17	Water	20140115		Stage 2B								X
440-67726-1	ARP-7	440-67726-16	Water	20140115		Stage 2B								X
440-67726-1	EB-1	440-67726-26	Water	20140115	EB	Stage 2B								X
440-67726-1	MW-K4	440-67726-21	Water	20140115		Stage 2B								X
440-67726-1	MW-K5	440-67726-15	Water	20140115		Stage 2B								X
440-67726-1	PC-101R	440-67726-20	Water	20140115		Stage 2B								X
440-67726-1	PC-103	440-67726-24	Water	20140115		Stage 2B								X
440-67726-1	PC-122	440-67726-13	Water	20140115		Stage 2B								X
440-67726-1	PC-18	440-67726-11	Water	20140115		Stage 2B								X
440-67726-1	PC-53	440-67726-14	Water	20140115		Stage 2B								X
440-67726-1	PC-56	440-67726-5	Water	20140115		Stage 2B								X
440-67726-1	PC-58	440-67726-4	Water	20140115		Stage 2B								X
440-67726-1	PC-59	440-67726-7	Water	20140115		Stage 2B								X
440-67726-1	PC-60	440-67726-6	Water	20140115		Stage 2B								X
440-67726-1	PC-62	440-67726-8	Water	20140115		Stage 2B								X
440-67726-1	PC-68	440-67726-9	Water	20140115		Stage 2B								X
440-67726-1	PC-86	440-67726-10	Water	20140115		Stage 2B								X
440-67726-1	PC-90	440-67726-2	Water	20140115		Stage 2B								X
440-67726-1	PC-91	440-67726-3	Water	20140115		Stage 2B								X
440-67726-1	PC-97	440-67726-1	Water	20140115		Stage 2B								X
440-67726-1	PC-97DUP	440-67726-1DUP	Water	20140115	DUP	Stage 2B								
440-67726-1	PC-98R	440-67726-25	Water	20140115		Stage 2B								X
440-67756-1	M-83	440-67756-2	Water	20140116		Stage 2B								X
440-67756-1	PC-55	440-67756-1	Water	20140116		Stage 2B								X
440-68537-1	PC-150	440-68537-1	Water	20140128		Stage 2B			X		X	X	X	X
440-68537-1	PC-150DUP	440-68537-1DUP	Water	20140128	DUP	Stage 2B								
440-68537-1	PC-150MS	440-68537-1MS	Water	20140128	MS	Stage 2B					X			
440-68537-1	PC-150MSD	440-68537-1MSD	Water	20140128	MSD	Stage 2B					X			
440-68671-1	ART-7B	440-68671-1	Water	20140129		Stage 4			X		X	X	X	X
440-68671-1	ART-7BMS	440-68671-1MS	Water	20140129	MS	Stage 4					X			
440-68671-1	ART-7BMSD	440-68671-1MSD	Water	20140129	MSD	Stage 4					X			
440-68764-1	I-AD	440-68764-1	Water	20140130		Stage 2B			X		X	X	X	X
440-68764-1	I-ADMS	440-68764-1MS	Water	20140130	MS	Stage 2B					X	X		
440-68764-1	I-ADMSD	440-68764-1MSD	Water	20140130	MSD	Stage 2B					X	X		
440-68948-1	I-AC	440-68948-1	Water	20140203		Stage 2B			X		X	X	X	X
440-68948-1	I-ACDUP	440-68948-1DUP	Water	20140203	DUP	Stage 2B								

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440-68948-1	I-ACMS	440-68948-1MS	Water	20140203	MS	Stage 2B					X			
440-68948-1	I-ACMSD	440-68948-1MSD	Water	20140203	MSD	Stage 2B					X			
440-68971-1	ART-1	440-68971-1	Water	20140203		Stage 2B			X					X
440-68971-1	ART-1MS	440-68971-1MS	Water	20140203	MS	Stage 2B			X					
440-68971-1	ART-1MSD	440-68971-1MSD	Water	20140203	MSD	Stage 2B			X					
440-68971-1	ART-2	440-68971-2	Water	20140203		Stage 2B			X					X
440-68971-1	ART-3	440-68971-4	Water	20140203		Stage 2B			X					X
440-68971-1	ART-4	440-68971-5	Water	20140203		Stage 2B			X					X
440-68971-1	ART-6	440-68971-8	Water	20140203		Stage 2B			X					X
440-68971-1	ART-7	440-68971-6	Water	20140203		Stage 2B			X					X
440-68971-1	ART-8	440-68971-7	Water	20140203		Stage 2B			X					X
440-68971-1	ART-9	440-68971-3	Water	20140203		Stage 2B			X					X
440-68971-1	PC-115R	440-68971-15	Water	20140203		Stage 2B			X					X
440-68971-1	PC-116R	440-68971-9	Water	20140203		Stage 2B			X					X
440-68971-1	PC-117	440-68971-14	Water	20140203		Stage 2B			X					X
440-68971-1	PC-118	440-68971-12	Water	20140203		Stage 2B			X					X
440-68971-1	PC-119	440-68971-11	Water	20140203		Stage 2B			X					X
440-68971-1	PC-119MS	440-68971-11MS	Water	20140203	MS	Stage 2B			X					
440-68971-1	PC-119MSD	440-68971-11MSD	Water	20140203	MSD	Stage 2B			X					
440-68971-1	PC-120	440-68971-16	Water	20140203		Stage 2B			X					X
440-68971-1	PC-121	440-68971-17	Water	20140203		Stage 2B			X					X
440-68971-1	PC-121DUP	440-68971-17DUP	Water	20140203	DUP	Stage 2B								
440-68971-1	PC-133	440-68971-10	Water	20140203		Stage 2B			X					X
440-68971-1	PC-99R2/R3	440-68971-13	Water	20140203		Stage 2B			X					X
440-69094-1	I-AA	440-69094-1	Water	20140204		Stage 2B			X		X	X	X	X
440-69094-1	I-AAMS	440-69094-1MS	Water	20140204	MS	Stage 2B			X		X	X		
440-69094-1	I-AAMSD	440-69094-1MSD	Water	20140204	MSD	Stage 2B			X		X	X		
440-69096-1	M-10	440-69096-1	Water	20140204		Stage 2B	X				X	X	X	X
440-69096-1	M-10DUP	440-69096-1DUP	Water	20140204	DUP	Stage 2B								
440-69096-1	M-10MS	440-69096-1MS	Water	20140204	MS	Stage 2B	X							
440-69096-1	M-10MSD	440-69096-1MSD	Water	20140204	MSD	Stage 2B	X							
440-69099-1	I-AR	440-69099-26	Water	20140204		Stage 2B			X					X
440-69099-1	I-B	440-69099-25	Water	20140204		Stage 2B			X					X
440-69099-1	I-C	440-69099-21	Water	20140204		Stage 2B			X					X
440-69099-1	I-CDUP	440-69099-21DUP	Water	20140204	DUP	Stage 2B								
440-69099-1	I-D	440-69099-12	Water	20140203		Stage 2B			X					X
440-69099-1	I-E	440-69099-10	Water	20140203		Stage 2B			X					X
440-69099-1	I-F	440-69099-8	Water	20140203		Stage 2B			X					X
440-69099-1	I-G	440-69099-6	Water	20140203		Stage 2B			X					X
440-69099-1	I-H	440-69099-3	Water	20140203		Stage 2B			X					X
440-69099-1	I-HMS	440-69099-3MS	Water	20140203	MS	Stage 2B			X					

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440-69099-1	I-HMSD	440-69099-3MSD	Water	20140203	MSD	Stage 2B			X					
440-69099-1	I-L	440-69099-23	Water	20140204		Stage 2B			X					X
440-69099-1	I-M	440-69099-11	Water	20140203		Stage 2B			X					X
440-69099-1	I-N	440-69099-9	Water	20140203		Stage 2B			X					X
440-69099-1	I-NMS	440-69099-9MS	Water	20140203	MS	Stage 2B			X					
440-69099-1	I-NMSD	440-69099-9MSD	Water	20140203	MSD	Stage 2B			X					
440-69099-1	I-O	440-69099-1	Water	20140203		Stage 2B			X					X
440-69099-1	I-ODUP	440-69099-1DUP	Water	20140203	DUP	Stage 2B								
440-69099-1	I-P	440-69099-2	Water	20140203		Stage 2B			X					X
440-69099-1	I-Q	440-69099-7	Water	20140203		Stage 2B			X					X
440-69099-1	I-R	440-69099-24	Water	20140204		Stage 2B			X					X
440-69099-1	I-S	440-69099-22	Water	20140204		Stage 2B			X					X
440-69099-1	I-T	440-69099-5	Water	20140203		Stage 2B			X					X
440-69099-1	I-U	440-69099-4	Water	20140203		Stage 2B			X					X
440-69099-1	M-11	440-69099-27	Water	20140204		Stage 2B			X		X			X
440-69099-1	PC-123	440-69099-13	Water	20140204		Stage 2B			X					X
440-69099-1	PC-124	440-69099-18	Water	20140204		Stage 2B			X					X
440-69099-1	PC-125	440-69099-19	Water	20140204		Stage 2B			X					X
440-69099-1	PC-125DUP	440-69099-19DUP	Water	20140204	DUP	Stage 2B								
440-69099-1	PC-125MS	440-69099-19MS	Water	20140204	MS	Stage 2B			X					
440-69099-1	PC-125MSD	440-69099-19MSD	Water	20140204	MSD	Stage 2B			X					
440-69099-1	PC-126	440-69099-20	Water	20140204		Stage 2B			X					X
440-69099-1	PC-126DUP	440-69099-20DUP	Water	20140204	DUP	Stage 2B								
440-69099-1	PC-128	440-69099-14	Water	20140204		Stage 2B			X					X
440-69099-1	PC-129	440-69099-15	Water	20140204		Stage 2B			X					X
440-69099-1	PC-130	440-69099-16	Water	20140204	FD10	Stage 2B			X					X
440-69099-1	PC-131	440-69099-17	Water	20140204		Stage 2B			X					X
440-69099-1	VD-1	440-69099-28	Water	20140204	FD10	Stage 2B			X					X
440-69261-1	FB-1	440-69261-12	Water	20140205	FB	Stage 2B			X		X			X
440-69261-1	FB-1MS	440-69261-12MS	Water	20140205	MS	Stage 2B					X			
440-69261-1	FB-1MSD	440-69261-12MSD	Water	20140205	MSD	Stage 2B					X			
440-69261-1	M-44	440-69261-10	Water	20140205		Stage 2B			X		X			X
440-69261-1	M-48A	440-69261-8	Water	20140205		Stage 2B			X					X
440-69261-1	M-48ADUP	440-69261-8DUP	Water	20140205	DUP	Stage 2B								
440-69261-1	M-95	440-69261-11	Water	20140205	FD11	Stage 2B			X		X			X
440-69261-1	M-95MS	440-69261-11MS	Water	20140205	MS	Stage 2B			X					
440-69261-1	M-95MSD	440-69261-11MSD	Water	20140205	MSD	Stage 2B			X					
440-69261-1	PC-127	440-69261-1	Water	20140205		Stage 2B			X					X
440-69261-1	PC-127MS	440-69261-1MS	Water	20140205	MS	Stage 2B			X					
440-69261-1	PC-127MSD	440-69261-1MSD	Water	20140205	MSD	Stage 2B			X					
440-69261-1	PC-135A	440-69261-3	Water	20140205		Stage 2B			X					X

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440-69261-1	PC-144	440-69261-2	Water	20140205		Stage 2B			X					X
440-69261-1	PC-148	440-69261-4	Water	20140205		Stage 2B			X					X
440-69261-1	PC-149	440-69261-5	Water	20140205		Stage 2B			X					X
440-69261-1	PC-150	440-69261-6	Water	20140205		Stage 2B			X					X
440-69261-1	PC-54	440-69261-7	Water	20140205		Stage 2B			X					X
440-69261-1	PC-54DUP	440-69261-7DUP	Water	20140205	DUP	Stage 2B								
440-69261-1	PC-71	440-69261-9	Water	20140205		Stage 2B			X					X
440-69261-1	VD-2	440-69261-13	Water	20140205	FD11	Stage 2B			X		X			X
440-69261-1	VD-2DUP	440-69261-13DUP	Water	20140205	DUP	Stage 2B								
440-69262-1	I-X	440-69262-1	Water	20140205		Stage 2B			X		X	X	X	X
440-69262-1	I-XMS	440-69262-1MS	Water	20140205	MS	Stage 2B					X			
440-69262-1	I-XMSD	440-69262-1MSD	Water	20140205	MSD	Stage 2B					X			
440-69440-1	EB-1	440-69440-1	Water	20140206	EB	Stage 2B			X		X			X
440-69440-1	EB-1DUP	440-69440-1DUP	Water	20140206	DUP	Stage 2B								
440-69440-1	EB-1MS	440-69440-1MS	Water	20140206	MS	Stage 2B					X			
440-69440-1	EB-1MSD	440-69440-1MSD	Water	20140206	MSD	Stage 2B					X			
440-69440-1	M-131	440-69440-2	Water	20140206		Stage 2B			X					X
440-69440-1	M-131MS	440-69440-2MS	Water	20140206	MS	Stage 2B			X					
440-69440-1	M-131MSD	440-69440-2MSD	Water	20140206	MSD	Stage 2B			X					
440-69440-1	M-135	440-69440-15	Water	20140206	FD12	Stage 2B			X					X
440-69440-1	M-23	440-69440-7	Water	20140206		Stage 2B			X					X
440-69440-1	M-64	440-69440-8	Water	20140206		Stage 2B			X					X
440-69440-1	M-65	440-69440-9	Water	20140206		Stage 2B			X					X
440-69440-1	M-66	440-69440-10	Water	20140206		Stage 2B			X					X
440-69440-1	M-70	440-69440-12	Water	20140206		Stage 2B			X					X
440-69440-1	M-71	440-69440-13	Water	20140206		Stage 2B			X					X
440-69440-1	M-72	440-69440-14	Water	20140206		Stage 2B			X					X
440-69440-1	M-79	440-69440-11	Water	20140206		Stage 2B			X					X
440-69440-1	M-79MS	440-69440-11MS	Water	20140206	MS	Stage 2B			X					
440-69440-1	M-79MSD	440-69440-11MSD	Water	20140206	MSD	Stage 2B			X					
440-69440-1	PC-37	440-69440-6	Water	20140206		Stage 2B			X					X
440-69440-1	PC-72	440-69440-4	Water	20140206		Stage 2B			X					X
440-69440-1	PC-73	440-69440-5	Water	20140206		Stage 2B			X					X
440-69440-1	VD-3	440-69440-3	Water	20140206	FD12	Stage 2B			X					X
440-69445-1	I-AB	440-69445-1	Water	20140206		Stage 2B			X		X	X	X	X
440-69445-1	I-ABMS	440-69445-1MS	Water	20140206	MS	Stage 2B					X	X		
440-69445-1	I-ABMSD	440-69445-1MSD	Water	20140206	MSD	Stage 2B					X	X		
440-69677-1	M-12A	440-69677-1	Water	20140207	FD14	Stage 2B			X		X			X
440-69677-1	M-12ADUP	440-69677-1DUP	Water	20140207	DUP	Stage 2B								
440-69677-1	M-12AMS	440-69677-1MS	Water	20140207	MS	Stage 2B			X					
440-69677-1	M-12AMSD	440-69677-1MSD	Water	20140207	MSD	Stage 2B			X					

TABLE I - Sample Cross-Reference

SDG	Client Sample ID	Lab Sample ID	Matrix	Sample Date	QC Type	Validation Level	Metals (200.7)	Diss. Metals (200.7)	Cr (200.7/200.8)	Diss. Se (200.8)	Cr^{6+} (218.6)	Cl,SO_4,NO_3-N,NO_2-N (300.0)	Chlorate (300.1B)	ClO_4 (314.0)
440-69677-1	M-37	440-69677-2	Water	20140207		Stage 2B			X		X			X
440-69677-1	M-38	440-69677-3	Water	20140207		Stage 2B			X		X			X
440-69677-1	VD-5	440-69677-4	Water	20140207	FD14	Stage 2B			X		X			X
440-69678-1	EB-2	440-69678-11	Water	20140207	EB	Stage 4			X		X			X
440-69678-1	I-AC	440-69678-1	Water	20140207		Stage 4			X					X
440-69678-1	I-AD	440-69678-2	Water	20140207		Stage 4			X					X
440-69678-1	I-K	440-69678-4	Water	20140207		Stage 4			X					X
440-69678-1	I-V	440-69678-7	Water	20140207		Stage 4			X					X
440-69678-1	I-VMS	440-69678-7MS	Water	20140207	MS	Stage 4			X					
440-69678-1	I-VMSD	440-69678-7MSD	Water	20140207	MSD	Stage 4			X					
440-69678-1	M-68	440-69678-3	Water	20140207	FD13	Stage 4			X					X
440-69678-1	M-73	440-69678-6	Water	20140207		Stage 4			X					X
440-69678-1	M-74	440-69678-5	Water	20140207		Stage 4			X					X
440-69678-1	M-80	440-69678-9	Water	20140207		Stage 4			X		X			X
440-69678-1	M-80MS	440-69678-9MS	Water	20140207	MS	Stage 4					X			
440-69678-1	M-80MSD	440-69678-9MSD	Water	20140207	MSD	Stage 4					X			
440-69678-1	M-81A	440-69678-8	Water	20140207		Stage 4			X					X
440-69678-1	M-83	440-69678-10	Water	20140207		Stage 4			X					X
440-69678-1	VD-4	440-69678-12	Water	20140207	FD13	Stage 4			X					X
440-69679-1	I-Y	440-69679-1	Water	20140207		Stage 2B			X		X	X	X	X
440-69679-1	I-YMS	440-69679-1MS	Water	20140207	MS	Stage 2B					X	X		
440-69679-1	I-YMSD	440-69679-1MSD	Water	20140207	MSD	Stage 2B					X	X		
440-69680-1	I-W	440-69680-1	Water	20140207		Stage 4			X		X	X	X	X
440-69696-1	I-I	440-69696-8	Water	20140207		Stage 2B			X					X
440-69696-1	I-J	440-69696-10	Water	20140207		Stage 2B			X					X
440-69696-1	I-Z	440-69696-9	Water	20140207		Stage 2B			X					X
440-69696-1	M-14A	440-69696-2	Water	20140207		Stage 2B			X					X
440-69696-1	M-19	440-69696-7	Water	20140207		Stage 2B			X					X
440-69696-1	M-22A	440-69696-4	Water	20140207		Stage 2B			X					X
440-69696-1	M-25	440-69696-3	Water	20140207		Stage 2B			X					X
440-69696-1	M-35	440-69696-6	Water	20140207		Stage 2B			X					X
440-69696-1	M-52	440-69696-5	Water	20140207		Stage 2B			X					X
440-69696-1	M-57A	440-69696-1	Water	20140207		Stage 2B			X					X
440-69696-1	M-57ADUP	440-69696-1DUP	Water	20140207	DUP	Stage 2B								
440-69696-1	M-57AMS	440-69696-1MS	Water	20140207	MS	Stage 2B			X					
440-69696-1	M-57AMSD	440-69696-1MSD	Water	20140207	MSD	Stage 2B			X					
440-69696-1	M-67	440-69696-11	Water	20140207		Stage 2B			X					X
440-69696-1	M-67DUP	440-69696-11DUP	Water	20140207	DUP	Stage 2B								
440-69696-1	M-67MS	440-69696-11MS	Water	20140207	MS	Stage 2B			X					
440-69696-1	M-67MSD	440-69696-11MSD	Water	20140207	MSD	Stage 2B			X					
440-69820-1	I-AA	440-69820-3	Water	20140210		Stage 2B			X					X

TABLE I - Sample Cross-Reference

SDG	Client Sample ID	Lab Sample ID	Matrix	Sample Date	QC Type	Validation Level	Metals (200.7)	Diss. Metals (200.7)	Cr (200.7/200.8)	Diss. Se (200.8)	Cr^{6+} (218.6)	Cl,SO_4,NO_3-N,NO_2-N (300.0)	Chlorate (300.1B)	ClO_4 (314.0)
440-69820-1	I-AB	440-69820-4	Water	20140210		Stage 2B			X					X
440-69820-1	I-X	440-69820-1	Water	20140210		Stage 2B			X					X
440-69820-1	I-XMS	440-69820-1MS	Water	20140210	MS	Stage 2B			X					
440-69820-1	I-XMSD	440-69820-1MSD	Water	20140210	MSD	Stage 2B			X					
440-69820-1	I-Y	440-69820-2	Water	20140210		Stage 2B			X					X
440-69820-1	M-99	440-69820-5	Water	20140210		Stage 2B			X					X
440-70243-1	PC-56	440-70243-6	Water	20140212		Stage 2B			X					X
440-70243-1	PC-58	440-70243-5	Water	20140212		Stage 2B			X					X
440-70243-1	PC-59	440-70243-8	Water	20140212		Stage 2B			X					X
440-70243-1	PC-60	440-70243-7	Water	20140212		Stage 2B			X					X
440-70243-1	PC-62	440-70243-9	Water	20140212		Stage 2B			X					X
440-70243-1	PC-68	440-70243-10	Water	20140212		Stage 2B			X					X
440-70243-1	PC-86	440-70243-11	Water	20140212		Stage 2B			X					X
440-70243-1	PC-86MS	440-70243-11MS	Water	20140212	MS	Stage 2B			X					
440-70243-1	PC-86MSD	440-70243-11MSD	Water	20140212	MSD	Stage 2B			X					
440-70243-1	PC-90	440-70243-2	Water	20140212		Stage 2B			X					X
440-70243-1	PC-91	440-70243-12	Water	20140212		Stage 2B			X					X
440-70243-1	PC-92	440-70243-3	Water	20140212		Stage 2B			X					X
440-70243-1	PC-92DUP	440-70243-3DUP	Water	20140212	DUP	Stage 2B								
440-70243-1	PC-94	440-70243-4	Water	20140212		Stage 2B			X					X
440-70243-1	PC-94DUP	440-70243-4DUP	Water	20140212	DUP	Stage 2B								
440-70243-1	PC-97	440-70243-1	Water	20140212		Stage 2B			X					X
440-70243-1	PC-97MS	440-70243-1MS	Water	20140212	MS	Stage 2B			X					
440-70243-1	PC-97MSD	440-70243-1MSD	Water	20140212	MSD	Stage 2B			X					
440-70245-1	I-W	440-70245-1	Water	20140211		Stage 2B			X					X
440-70245-1	I-WMS	440-70245-1MS	Water	20140211	MS	Stage 2B			X					
440-70245-1	I-WMSD	440-70245-1MSD	Water	20140211	MSD	Stage 2B			X					
440-70245-1	M-69	440-70245-2	Water	20140212		Stage 2B			X					X
440-70421-1	PC-136	440-70421-1	Water	20140213		Stage 2B			X					X
440-70423-1	ARP-2A	440-70423-12	Water	20140213		Stage 2B			X					X
440-70423-1	ARP-3A	440-70423-11	Water	20140213		Stage 2B			X					X
440-70423-1	ARP-4A	440-70423-8	Water	20140213		Stage 2B			X					X
440-70423-1	ARP-4AMS	440-70423-8MS	Water	20140213	MS	Stage 2B			X					
440-70423-1	ARP-4AMSD	440-70423-8MSD	Water	20140213	MSD	Stage 2B			X					
440-70423-1	ARP-5A	440-70423-7	Water	20140213		Stage 2B			X					X
440-70423-1	ARP-6B	440-70423-6	Water	20140213		Stage 2B			X					X
440-70423-1	ARP-7	440-70423-5	Water	20140213		Stage 2B			X					X
440-70423-1	ART-7B	440-70423-1	Water	20140213		Stage 2B			X					X
440-70423-1	EB-1	440-70423-15	Water	20140213	EB	Stage 2B								X
440-70423-1	MW-K4	440-70423-10	Water	20140213		Stage 2B			X					X
440-70423-1	MW-K4DUP	440-70423-10DUP	Water	20140213	DUP	Stage 2B								

TABLE I - Sample Cross-Reference

SDG	Client Sample ID	Lab Sample ID	Matrix	Sample Date	QC Type	Validation Level	Metals (200.7)	Diss. Metals (200.7)	Cr (200.7/200.8)	Diss. Se (200.8)	Cr^{6+} (218.6)	Cl,SO_4,NO_3-N,NO_2-N (300.0)	Chlorate (300.1B)	ClO_4 (314.0)
440-70423-1	MW-K5	440-70423-4	Water	20140213		Stage 2B			X					X
440-70423-1	PC-101R	440-70423-9	Water	20140213		Stage 2B			X					X
440-70423-1	PC-101RDUP	440-70423-9DUP	Water	20140213	DUP	Stage 2B								
440-70423-1	PC-103	440-70423-13	Water	20140213		Stage 2B			X					X
440-70423-1	PC-122	440-70423-2	Water	20140213		Stage 2B			X					X
440-70423-1	PC-53	440-70423-3	Water	20140213		Stage 2B			X					X
440-70423-1	PC-53MS	440-70423-3MS	Water	20140213	MS	Stage 2B			X					
440-70423-1	PC-53MSD	440-70423-3MSD	Water	20140213	MSD	Stage 2B			X					
440-70423-1	PC-98R	440-70423-14	Water	20140213		Stage 2B			X					X
440-70471-1	ARP-1	440-70471-3	Water	20140214		Stage 2B			X					X
440-70471-1	PC-18	440-70471-1	Water	20140214		Stage 2B			X					X
440-70471-1	PC-18DUP	440-70471-1DUP	Water	20140214	DUP	Stage 2B								
440-70471-1	PC-18MS	440-70471-1MS	Water	20140214	MS	Stage 2B			X					
440-70471-1	PC-55	440-70471-2	Water	20140214		Stage 2B			X					X
440-72444-1	ART-1	440-72444-1	Water	20140303		Stage 2B								X
440-72444-1	ART-1DUP	440-72444-1DUP	Water	20140303	DUP	Stage 2B								
440-72444-1	ART-2	440-72444-2	Water	20140303		Stage 2B								X
440-72444-1	ART-3	440-72444-3	Water	20140303		Stage 2B								X
440-72444-1	ART-4	440-72444-4	Water	20140303		Stage 2B								X
440-72444-1	ART-7	440-72444-5	Water	20140303		Stage 2B								X
440-72444-1	ART-8	440-72444-6	Water	20140303		Stage 2B								X
440-72444-1	ART-9	440-72444-7	Water	20140303		Stage 2B								X
440-72598-1	ART-6	440-72598-10	Water	20140306		Stage 2B								X
440-72598-1	ART-6DUP	440-72598-10DUP	Water	20140306	DUP	Stage 2B								
440-72598-1	PC-115R	440-72598-6	Water	20140306		Stage 2B								X
440-72598-1	PC-116R	440-72598-5	Water	20140306		Stage 2B								X
440-72598-1	PC-117	440-72598-2	Water	20140306		Stage 2B								X
440-72598-1	PC-118	440-72598-4	Water	20140306		Stage 2B								X
440-72598-1	PC-119	440-72598-3	Water	20140306		Stage 2B								X
440-72598-1	PC-120	440-72598-9	Water	20140306		Stage 2B								X
440-72598-1	PC-121	440-72598-8	Water	20140306		Stage 2B								X
440-72598-1	PC-133	440-72598-1	Water	20140306		Stage 2B								X
440-72598-1	PC-99R2/R3	440-72598-7	Water	20140306		Stage 2B								X
440-73141-1	ARP-1	440-73141-13	Water	20140312		Stage 2B								X
440-73141-1	EB-1	440-73141-7	Water	20140312	EB	Stage 2B								X
440-73141-1	PC-18	440-73141-12	Water	20140312		Stage 2B								X
440-73141-1	PC-18DUP	440-73141-12DUP	Water	20140312	DUP	Stage 2B								
440-73141-1	PC-56	440-73141-5	Water	20140312		Stage 2B								X
440-73141-1	PC-58	440-73141-4	Water	20140312		Stage 2B								X
440-73141-1	PC-59	440-73141-8	Water	20140312		Stage 2B								X
440-73141-1	PC-60	440-73141-6	Water	20140312		Stage 2B								X

TABLE I - Sample Cross-Reference

SDG	Client Sample ID	Lab Sample ID	Matrix	Sample Date	QC Type	Validation Level	Metals (200.7)	Diss. Metals (200.7)	Cr (200.7/200.8)	Diss. Se (200.8)	Cr^{6+} (218.6)	Cl,SO_4,NO_3-N,NO_2-N (300.0)	Chlorate (300.1B)	ClO_4 (314.0)
440-73141-1	PC-62	440-73141-9	Water	20140312		Stage 2B								X
440-73141-1	PC-68	440-73141-10	Water	20140312		Stage 2B								X
440-73141-1	PC-86	440-73141-11	Water	20140312		Stage 2B								X
440-73141-1	PC-90	440-73141-2	Water	20140312		Stage 2B								X
440-73141-1	PC-91	440-73141-3	Water	20140312		Stage 2B								X
440-73141-1	PC-97	440-73141-1	Water	20140312		Stage 2B								X
440-73141-1	PC-97DUP	440-73141-1DUP	Water	20140312	DUP	Stage 2B								
440-73280-1	ARP-2A	440-73280-11	Water	20140313		Stage 2B								X
440-73280-1	ARP-2ADUP	440-73280-11DUP	Water	20140313	DUP	Stage 2B								
440-73280-1	ARP-3A	440-73280-10	Water	20140313		Stage 2B								X
440-73280-1	ARP-4A	440-73280-7	Water	20140313		Stage 2B								X
440-73280-1	ARP-5A	440-73280-6	Water	20140313		Stage 2B								X
440-73280-1	ARP-6B	440-73280-5	Water	20140313		Stage 2B								X
440-73280-1	ARP-7	440-73280-4	Water	20140313		Stage 2B								X
440-73280-1	M-83	440-73280-15	Water	20140313		Stage 2B								X
440-73280-1	MW-K4	440-73280-9	Water	20140313		Stage 2B								X
440-73280-1	MW-K5	440-73280-3	Water	20140313		Stage 2B								X
440-73280-1	PC-101R	440-73280-8	Water	20140313		Stage 2B								X
440-73280-1	PC-103	440-73280-12	Water	20140313		Stage 2B								X
440-73280-1	PC-122	440-73280-1	Water	20140313		Stage 2B								X
440-73280-1	PC-122DUP	440-73280-1DUP	Water	20140313	DUP	Stage 2B								
440-73280-1	PC-53	440-73280-2	Water	20140313		Stage 2B								X
440-73280-1	PC-55	440-73280-14	Water	20140313		Stage 2B								X
440-73280-1	PC-98R	440-73280-13	Water	20140313		Stage 2B								X
440-75214-1	ART-1	440-75214-1	Water	20140407		Stage 2B								X
440-75214-1	ART-2	440-75214-2	Water	20140407		Stage 2B								X
440-75214-1	ART-3	440-75214-3	Water	20140407		Stage 2B								X
440-75214-1	ART-4	440-75214-4	Water	20140407		Stage 2B								X
440-75214-1	ART-6	440-75214-5	Water	20140407		Stage 2B								X
440-75214-1	ART-7	440-75214-6	Water	20140407		Stage 2B								X
440-75214-1	ART-8	440-75214-7	Water	20140407		Stage 2B								X
440-75214-1	ART-9	440-75214-8	Water	20140407		Stage 2B								X
440-75214-1	PC-115R	440-75214-10	Water	20140407		Stage 2B								X
440-75214-1	PC-116R	440-75214-11	Water	20140407		Stage 2B								X
440-75214-1	PC-117	440-75214-12	Water	20140407		Stage 2B								X
440-75214-1	PC-118	440-75214-13	Water	20140407		Stage 2B								X
440-75214-1	PC-119	440-75214-14	Water	20140407		Stage 2B								X
440-75214-1	PC-120	440-75214-15	Water	20140407		Stage 2B								X
440-75214-1	PC-121	440-75214-16	Water	20140407		Stage 2B								X
440-75214-1	PC-133	440-75214-17	Water	20140407		Stage 2B								X
440-75214-1	PC-99R2/R3	440-75214-9	Water	20140407		Stage 2B								X

TABLE I - Sample Cross-Reference

SDG	Client Sample ID	Lab Sample ID	Matrix	Sample Date	QC Type	Validation Level	Metals (200.7)	Diss. Metals (200.7)	Cr (200.7/200.8)	Diss. Se (200.8)	Cr^{6+} (218.6)	Cl,SO_4,NO_3-N,NO_2-N (300.0)	Chlorate (300.1B)	ClO_4 (314.0)
440-76132-1	EB-1	440-76132-7	Water	20140416	EB	Stage 2B								X
440-76132-1	PC-55	440-76132-12	Water	20140416		Stage 2B								X
440-76132-1	PC-55DUP	440-76132-12DUP	Water	20140416	DUP	Stage 2B								
440-76132-1	PC-56	440-76132-5	Water	20140416		Stage 2B								X
440-76132-1	PC-58	440-76132-4	Water	20140416		Stage 2B								X
440-76132-1	PC-59	440-76132-8	Water	20140416		Stage 2B								X
440-76132-1	PC-60	440-76132-6	Water	20140416		Stage 2B								X
440-76132-1	PC-62	440-76132-9	Water	20140416		Stage 2B								X
440-76132-1	PC-68	440-76132-10	Water	20140416		Stage 2B								X
440-76132-1	PC-86	440-76132-11	Water	20140416		Stage 2B								X
440-76132-1	PC-90	440-76132-2	Water	20140416		Stage 2B								X
440-76132-1	PC-91	440-76132-3	Water	20140416		Stage 2B								X
440-76132-1	PC-97	440-76132-1	Water	20140416		Stage 2B								X
440-76132-1	PC-97DUP	440-76132-1DUP	Water	20140416	DUP	Stage 2B								
440-76251-1	ARP-2A	440-76251-10	Water	20140417		Stage 2B								X
440-76251-1	ARP-2ADUP	440-76251-10DUP	Water	20140417	DUP	Stage 2B								
440-76251-1	ARP-3A	440-76251-9	Water	20140417		Stage 2B								X
440-76251-1	ARP-4A	440-76251-6	Water	20140417		Stage 2B								X
440-76251-1	ARP-5A	440-76251-5	Water	20140417		Stage 2B								X
440-76251-1	ARP-6B	440-76251-4	Water	20140417		Stage 2B								X
440-76251-1	ARP-7	440-76251-3	Water	20140417		Stage 2B								X
440-76251-1	MW-K4	440-76251-8	Water	20140417		Stage 2B								X
440-76251-1	MW-K5	440-76251-2	Water	20140417		Stage 2B								X
440-76251-1	PC-101R	440-76251-7	Water	20140417		Stage 2B								X
440-76251-1	PC-103	440-76251-11	Water	20140417		Stage 2B								X
440-76251-1	PC-53	440-76251-1	Water	20140417		Stage 2B								X
440-76251-1	PC-98R	440-76251-12	Water	20140417		Stage 2B								X
440-76253-1	ARP-1	440-76253-2	Water	20140417		Stage 2B								X
440-76253-1	M-83	440-76253-3	Water	20140417		Stage 2B								X
440-76253-1	PC-18	440-76253-1	Water	20140417		Stage 2B								X
440-77513-1	DUP-1	440-77513-24	Water	20140505	FD1	Stage 2B			X					X
440-77513-1	I-AA	440-77513-22	Water	20140505		Stage 2B			X					X
440-77513-1	I-AB	440-77513-21	Water	20140505		Stage 2B			X					X
440-77513-1	I-ABDUP	440-77513-21DUP	Water	20140505	DUP	Stage 2B								
440-77513-1	I-AR	440-77513-23	Water	20140505		Stage 2B			X					X
440-77513-1	I-B	440-77513-20	Water	20140505		Stage 2B			X					X
440-77513-1	I-BDUP	440-77513-20DUP	Water	20140505	DUP	Stage 2B								
440-77513-1	I-C	440-77513-15	Water	20140505		Stage 2B			X					X
440-77513-1	I-D	440-77513-14	Water	20140505		Stage 2B			X					X
440-77513-1	I-E	440-77513-12	Water	20140505		Stage 2B			X					X
440-77513-1	I-F	440-77513-9	Water	20140505		Stage 2B			X					X

TABLE I - Sample Cross-Reference

SDG	Client Sample ID	Lab Sample ID	Matrix	Sample Date	QC Type	Validation Level	Metals (200.7)	Diss. Metals (200.7)	Cr (200.7/200.8)	Diss. Se (200.8)	Cr^{6+} (218.6)	Cl,SO_4,NO_3-N,NO_2-N (300.0)	Chlorate (300.1B)	ClO_4 (314.0)
440-77513-1	I-G	440-77513-7	Water	20140505		Stage 2B			X					X
440-77513-1	I-H	440-77513-4	Water	20140505		Stage 2B			X					X
440-77513-1	I-L	440-77513-17	Water	20140505	FD1	Stage 2B			X					X
440-77513-1	I-M	440-77513-13	Water	20140505		Stage 2B			X					X
440-77513-1	I-N	440-77513-11	Water	20140505		Stage 2B			X					X
440-77513-1	I-NDUP	440-77513-11DUP	Water	20140505	DUP	Stage 2B								
440-77513-1	I-NMS	440-77513-11MS	Water	20140505	MS	Stage 2B			X					
440-77513-1	I-NMSD	440-77513-11MSD	Water	20140505	MSD	Stage 2B			X					
440-77513-1	I-O	440-77513-1	Water	20140505		Stage 2B			X					X
440-77513-1	I-ODUP	440-77513-1DUP	Water	20140505	DUP	Stage 2B								
440-77513-1	I-OMS	440-77513-1MS	Water	20140505	MS	Stage 2B			X					
440-77513-1	I-OMSD	440-77513-1MSD	Water	20140505	MSD	Stage 2B			X					
440-77513-1	I-P	440-77513-3	Water	20140505		Stage 2B			X					X
440-77513-1	I-Q	440-77513-8	Water	20140505		Stage 2B			X					X
440-77513-1	I-R	440-77513-19	Water	20140505		Stage 2B			X					X
440-77513-1	I-S	440-77513-16	Water	20140505		Stage 2B			X					X
440-77513-1	I-T	440-77513-6	Water	20140505		Stage 2B			X					X
440-77513-1	I-U	440-77513-5	Water	20140505		Stage 2B			X					X
440-77513-1	I-W	440-77513-2	Water	20140505		Stage 2B			X					X
440-77513-1	I-X	440-77513-10	Water	20140505		Stage 2B			X					X
440-77513-1	I-Y	440-77513-18	Water	20140505		Stage 2B			X					X
440-77515-1	ART-1	440-77515-1	Water	20140505		Stage 2B			X					X
440-77515-1	ART-1DUP	440-77515-1DUP	Water	20140505	DUP	Stage 2B								
440-77515-1	ART-1MS	440-77515-1MS	Water	20140505	MS	Stage 2B			X					
440-77515-1	ART-1MSD	440-77515-1MSD	Water	20140505	MSD	Stage 2B			X					
440-77515-1	ART-2	440-77515-2	Water	20140505		Stage 2B			X					X
440-77515-1	ART-3	440-77515-3	Water	20140505		Stage 2B			X					X
440-77515-1	ART-4	440-77515-4	Water	20140505		Stage 2B			X					X
440-77515-1	ART-7	440-77515-5	Water	20140505		Stage 2B			X					X
440-77515-1	ART-8	440-77515-6	Water	20140505		Stage 2B			X					X
440-77515-1	ART-9	440-77515-7	Water	20140505		Stage 2B			X					X
440-77515-1	PC-115R	440-77515-9	Water	20140505		Stage 2B			X					X
440-77515-1	PC-116R	440-77515-10	Water	20140505		Stage 2B			X					X
440-77515-1	PC-117	440-77515-11	Water	20140505		Stage 2B			X					X
440-77515-1	PC-117DUP	440-77515-11DUP	Water	20140505	DUP	Stage 2B								
440-77515-1	PC-117MS	440-77515-11MS	Water	20140505	MS	Stage 2B			X					
440-77515-1	PC-117MSD	440-77515-11MSD	Water	20140505	MSD	Stage 2B			X					
440-77515-1	PC-118	440-77515-12	Water	20140505		Stage 2B			X					X
440-77515-1	PC-119	440-77515-13	Water	20140505		Stage 2B			X					X
440-77515-1	PC-120	440-77515-14	Water	20140505		Stage 2B			X					X
440-77515-1	PC-121	440-77515-15	Water	20140505		Stage 2B			X					X

TABLE I - Sample Cross-Reference

SDG	Client Sample ID	Lab Sample ID	Matrix	Sample Date	QC Type	Validation Level	Metals (200.7)	Diss. Metals (200.7)	Cr (200.7/200.8)	Diss. Se (200.8)	Cr^{6+} (218.6)	Cl,SO_4,NO_3-N,NO_2-N (300.0)	Chlorate (300.1B)	ClO_4 (314.0)
440-77515-1	PC-133	440-77515-16	Water	20140505		Stage 2B			X					X
440-77515-1	PC-133DUP	440-77515-16DUP	Water	20140505	DUP	Stage 2B								
440-77515-1	PC-99R2/R3	440-77515-8	Water	20140505		Stage 2B			X					X
440-77661-1	DUP-2	440-77661-20	Water	20140506	FD2	Stage 2B			X			X	X	X
440-77661-1	EB-1	440-77661-21	Water	20140506	EB	Stage 2B			X		X			X
440-77661-1	EB-1DUP	440-77661-21DUP	Water	20140506	DUP	Stage 2B								
440-77661-1	EB-1MS	440-77661-21MS	Water	20140506	MS	Stage 2B					X			
440-77661-1	EB-1MSD	440-77661-21MSD	Water	20140506	MSD	Stage 2B					X			
440-77661-1	PC-108	440-77661-18	Water	20140506		Stage 2B								X
440-77661-1	PC-110	440-77661-19	Water	20140506		Stage 2B								X
440-77661-1	PC-123	440-77661-1	Water	20140506		Stage 2B			X					X
440-77661-1	PC-123DUP	440-77661-1DUP	Water	20140506	DUP	Stage 2B								
440-77661-1	PC-123MS	440-77661-1MS	Water	20140506	MS	Stage 2B			X					
440-77661-1	PC-123MSD	440-77661-1MSD	Water	20140506	MSD	Stage 2B			X					
440-77661-1	PC-124	440-77661-8	Water	20140506		Stage 2B			X			X	X	X
440-77661-1	PC-124DUP	440-77661-8DUP	Water	20140506	DUP	Stage 2B								
440-77661-1	PC-125	440-77661-9	Water	20140506		Stage 2B			X					X
440-77661-1	PC-126	440-77661-10	Water	20140506		Stage 2B			X			X	X	X
440-77661-1	PC-127	440-77661-12	Water	20140506		Stage 2B			X					X
440-77661-1	PC-128	440-77661-2	Water	20140506		Stage 2B			X			X	X	X
440-77661-1	PC-128MS	440-77661-2MS	Water	20140506	MS	Stage 2B						X		
440-77661-1	PC-128MSD	440-77661-2MSD	Water	20140506	MSD	Stage 2B						X		
440-77661-1	PC-129	440-77661-3	Water	20140506		Stage 2B			X					X
440-77661-1	PC-130	440-77661-4	Water	20140506		Stage 2B			X			X	X	X
440-77661-1	PC-131	440-77661-6	Water	20140506		Stage 2B			X					X
440-77661-1	PC-132	440-77661-7	Water	20140506	FD2	Stage 2B			X			X	X	X
440-77661-1	PC-132DUP	440-77661-7DUP	Water	20140506	DUP	Stage 2B								
440-77661-1	PC-24	440-77661-11	Water	20140506		Stage 2B			X					X
440-77661-1	PC-24DUP	440-77661-11DUP	Water	20140506	DUP	Stage 2B								
440-77661-1	PC-24MS	440-77661-11MS	Water	20140506	MS	Stage 2B			X					
440-77661-1	PC-24MSD	440-77661-11MSD	Water	20140506	MSD	Stage 2B			X					
440-77661-1	PC-50	440-77661-5	Water	20140506		Stage 2B			X					X
440-77661-1	PC-74	440-77661-13	Water	20140506		Stage 2B								X
440-77661-1	PC-77	440-77661-14	Water	20140506		Stage 2B								X
440-77661-1	PC-79	440-77661-15	Water	20140506		Stage 2B			X					X
440-77661-1	PC-82	440-77661-16	Water	20140506		Stage 2B						X	X	X
440-77661-1	PC-96	440-77661-17	Water	20140506		Stage 2B								X
440-77893-1	ART-6	440-77893-19	Water	20140507		Stage 4			X					X
440-77893-1	DUP-3	440-77893-18	Water	20140507	FD3	Stage 4			X					X
440-77893-1	HM-2	440-77893-20	Water	20140507		Stage 4								X
440-77893-1	HM-2DUP	440-77893-20DUP	Water	20140507	DUP	Stage 4								

TABLE I - Sample Cross-Reference

SDG	Client Sample ID	Lab Sample ID	Matrix	Sample Date	QC Type	Validation Level	Metals (200.7)	Diss. Metals (200.7)	Cr (200.7/200.8)	Diss. Se (200.8)	Cr^{6+} (218.6)	Cl,SO_4,NO_3-N,NO_2-N (300.0)	Chlorate (300.1B)	ClO_4 (314.0)
440-77893-1	HMW-13	440-77893-16	Water	20140507		Stage 4								X
440-77893-1	HMW-14	440-77893-15	Water	20140507		Stage 4								X
440-77893-1	HMW-15	440-77893-14	Water	20140507		Stage 4								X
440-77893-1	HMW-16	440-77893-13	Water	20140507		Stage 4								X
440-77893-1	PC-107	440-77893-17	Water	20140507		Stage 4								X
440-77893-1	PC-134A	440-77893-11	Water	20140507		Stage 4			X					X
440-77893-1	PC-134ADUP	440-77893-11DUP	Water	20140507	DUP	Stage 4								
440-77893-1	PC-134AMS	440-77893-11MS	Water	20140507	MS	Stage 4			X					
440-77893-1	PC-134AMSD	440-77893-11MSD	Water	20140507	MSD	Stage 4			X					
440-77893-1	PC-135A	440-77893-12	Water	20140507		Stage 4			X					X
440-77893-1	PC-136	440-77893-8	Water	20140507		Stage 4			X					X
440-77893-1	PC-137	440-77893-7	Water	20140507		Stage 4			X					X
440-77893-1	PC-142	440-77893-5	Water	20140507	FD3	Stage 4			X					X
440-77893-1	PC-143	440-77893-4	Water	20140507		Stage 4			X					X
440-77893-1	PC-144	440-77893-10	Water	20140507		Stage 4			X					X
440-77893-1	PC-145	440-77893-6	Water	20140507		Stage 4			X					X
440-77893-1	PC-148	440-77893-1	Water	20140507		Stage 4			X					X
440-77893-1	PC-148DUP	440-77893-1DUP	Water	20140507	DUP	Stage 4								
440-77893-1	PC-148MS	440-77893-1MS	Water	20140507	MS	Stage 4			X					
440-77893-1	PC-148MSD	440-77893-1MSD	Water	20140507	MSD	Stage 4			X					
440-77893-1	PC-149	440-77893-2	Water	20140507		Stage 4			X					X
440-77893-1	PC-150	440-77893-3	Water	20140507		Stage 4			X					X
440-77893-1	PC-2	440-77893-9	Water	20140507		Stage 4			X			X	X	X
440-77965-1	AA-01	440-77965-22	Water	20140508		Stage 2B								X
440-77965-1	DUP-4	440-77965-21	Water	20140508	FD4	Stage 2B			X		X			X
440-77965-1	EB-2	440-77965-12	Water	20140508	EB	Stage 2B			X		X			X
440-77965-1	H-48	440-77965-14	Water	20140508		Stage 2B			X					X
440-77965-1	H-58A	440-77965-15	Water	20140508		Stage 2B			X					X
440-77965-1	M-44	440-77965-19	Water	20140508	FD4	Stage 2B			X		X			X
440-77965-1	M-48A	440-77965-9	Water	20140508		Stage 2B			X			X	X	X
440-77965-1	M-95	440-77965-20	Water	20140508		Stage 2B			X		X			X
440-77965-1	MC-65	440-77965-11	Water	20140508		Stage 2B			X					X
440-77965-1	MC-65DUP	440-77965-11DUP	Water	20140508	DUP	Stage 2B								
440-77965-1	MC-65MS	440-77965-11MS	Water	20140508	MS	Stage 2B			X					
440-77965-1	MC-65MSD	440-77965-11MSD	Water	20140508	MSD	Stage 2B			X					
440-77965-1	PC-21A	440-77965-8	Water	20140508		Stage 2B			X			X	X	X
440-77965-1	PC-28	440-77965-1	Water	20140508		Stage 2B			X					X
440-77965-1	PC-28DUP	440-77965-1DUP	Water	20140508	DUP	Stage 2B								
440-77965-1	PC-28MS	440-77965-1MS	Water	20140508	MS	Stage 2B			X					
440-77965-1	PC-28MSD	440-77965-1MSD	Water	20140508	MSD	Stage 2B			X					
440-77965-1	PC-31	440-77965-2	Water	20140508		Stage 2B			X					X

TABLE I - Sample Cross-Reference

SDG	Client Sample ID	Lab Sample ID	Matrix	Sample Date	QC Type	Validation Level	Metals (200.7)	Diss. Metals (200.7)	Cr (200.7/200.8)	Diss. Se (200.8)	Cr^{6+} (218.6)	Cl,SO_4,NO_3-N,NO_2-N (300.0)	Chlorate (300.1B)	ClO_4 (314.0)
440-77965-1	PC-37	440-77965-10	Water	20140508		Stage 2B			X					X
440-77965-1	PC-40	440-77965-13	Water	20140508		Stage 2B			X					X
440-77965-1	PC-54	440-77965-7	Water	20140508		Stage 2B			X					X
440-77965-1	PC-64	440-77965-3	Water	20140508		Stage 2B			X					X
440-77965-1	PC-65	440-77965-4	Water	20140508		Stage 2B			X					X
440-77965-1	PC-66	440-77965-5	Water	20140508		Stage 2B			X					X
440-77965-1	PC-67	440-77965-6	Water	20140508		Stage 2B			X					X
440-77965-1	PC-71	440-77965-18	Water	20140508		Stage 2B			X					X
440-77965-1	PC-72	440-77965-17	Water	20140508		Stage 2B			X					X
440-77965-1	PC-72DUP	440-77965-17DUP	Water	20140508	DUP	Stage 2B								
440-77965-1	PC-73	440-77965-16	Water	20140508		Stage 2B			X					X
440-78104-1	FB-1_2	440-78104-1	Water	2E+07	FB	Stage 2B			X		X			X
440-78114-1	H-28A	440-78114-1	Water	20140509		Stage 2B	X					X		X
440-78114-1	H-28AMS	440-78114-1MS	Water	20140509	MS	Stage 2B								
440-78114-1	H-28AMSD	440-78114-1MSD	Water	20140509	MSD	Stage 2B								
440-78114-1	M-6A	440-78114-2	Water	20140509		Stage 2B	X					X		X
440-78114-1	M-6AMS	440-78114-2MS	Water	20140509	MS	Stage 2B								
440-78114-1	M-6AMSD	440-78114-2MSD	Water	20140509	MSD	Stage 2B								
440-78118-1	FB-1_2	440-78118-13	Water	20140509	FB	Stage 2B			X					X
440-78118-1	M-23	440-78118-12	Water	20140509		Stage 2B			X			X	X	X
440-78118-1	M-23DUP	440-78118-12DUP	Water	20140509	DUP	Stage 2B								
440-78118-1	MC-29	440-78118-4	Water	20140509		Stage 2B								X
440-78118-1	MC-3	440-78118-1	Water	20140509		Stage 2B								X
440-78118-1	MC-3DUP	440-78118-1DUP	Water	20140509	DUP	Stage 2B								
440-78118-1	MC-45	440-78118-5	Water	20140509		Stage 2B								X
440-78118-1	MC-45DUP	440-78118-5DUP	Water	20140509	DUP	Stage 2B								
440-78118-1	MC-50	440-78118-6	Water	20140509		Stage 2B								X
440-78118-1	MC-51	440-78118-7	Water	20140509		Stage 2B								X
440-78118-1	MC-53	440-78118-8	Water	20140509		Stage 2B			X					X
440-78118-1	MC-53MS	440-78118-8MS	Water	20140509	MS	Stage 2B			X					
440-78118-1	MC-53MSD	440-78118-8MSD	Water	20140509	MSD	Stage 2B			X					
440-78118-1	MC-6	440-78118-2	Water	20140509		Stage 2B								X
440-78118-1	MC-69	440-78118-9	Water	20140509		Stage 2B								X
440-78118-1	MC-7	440-78118-3	Water	20140509		Stage 2B								X
440-78118-1	MC-93	440-78118-10	Water	20140509		Stage 2B								X
440-78118-1	MC-97	440-78118-11	Water	20140509		Stage 2B								X
440-78118-1	MC-97DUP	440-78118-11DUP	Water	20140509	DUP	Stage 2B								
440-78202-1	DUP-5	440-78202-21	Water	20140512	FD5	Stage 2B			X		X			X
440-78202-1	DUP-5MS	440-78202-21MS	Water	20140512	MS	Stage 2B			X					
440-78202-1	DUP-5MSD	440-78202-21MSD	Water	20140512	MSD	Stage 2B			X					
440-78202-1	M-126	440-78202-16	Water	20140512		Stage 2B			X					X

TABLE I - Sample Cross-Reference

SDG	Client Sample ID	Lab Sample ID	Matrix	Sample Date	QC Type	Validation Level	Metals (200.7)	Diss. Metals (200.7)	Cr (200.7/200.8)	Diss. Se (200.8)	Cr^{6+} (218.6)	Cl,SO_4,NO_3-N,NO_2-N (300.0)	Chlorate (300.1B)	ClO_4 (314.0)
440-78202-1	M-131	440-78202-14	Water	20140512		Stage 2B			X					X
440-78202-1	M-134	440-78202-13	Water	20140512		Stage 2B			X					X
440-78202-1	M-135	440-78202-12	Water	20140512		Stage 2B			X					X
440-78202-1	M-136	440-78202-11	Water	20140512		Stage 2B			X					X
440-78202-1	M-136DUP	440-78202-11DUP	Water	20140512	DUP	Stage 2B								
440-78202-1	M-136MS	440-78202-11MS	Water	20140512	MS	Stage 2B			X					
440-78202-1	M-136MSD	440-78202-11MSD	Water	20140512	MSD	Stage 2B			X					
440-78202-1	M-140	440-78202-8	Water	20140512		Stage 2B			X					X
440-78202-1	M-14A	440-78202-5	Water	20140512		Stage 2B			X					X
440-78202-1	M-22A	440-78202-4	Water	20140512		Stage 2B			X					X
440-78202-1	M-25	440-78202-18	Water	20140512		Stage 2B			X			X	X	X
440-78202-1	M-25DUP	440-78202-18DUP	Water	20140512	DUP	Stage 2B								
440-78202-1	M-37	440-78202-19	Water	20140512		Stage 2B			X		X	X	X	X
440-78202-1	M-38	440-78202-20	Water	20140512		Stage 2B			X		X			X
440-78202-1	M-57A	440-78202-15	Water	20140512	FD5	Stage 2B			X					X
440-78202-1	M-64	440-78202-1	Water	20140512		Stage 2B			X					X
440-78202-1	M-64DUP	440-78202-1DUP	Water	20140512	DUP	Stage 2B								
440-78202-1	M-65	440-78202-2	Water	20140512		Stage 2B			X					X
440-78202-1	M-65MS	440-78202-2MS	Water	20140512	MS	Stage 2B			X					
440-78202-1	M-65MSD	440-78202-2MSD	Water	20140512	MSD	Stage 2B			X					
440-78202-1	M-66	440-78202-3	Water	20140512		Stage 2B			X					X
440-78202-1	M-69	440-78202-10	Water	20140512		Stage 2B			X					X
440-78202-1	M-79	440-78202-9	Water	20140512		Stage 2B			X					X
440-78202-1	M-92	440-78202-6	Water	20140512		Stage 2B			X					X
440-78202-1	M-97	440-78202-7	Water	20140512		Stage 2B			X					X
440-78202-1	MW-16	440-78202-17	Water	20140512		Stage 2B			X					X
440-78211-1	M-5A	440-78211-1	Water	20140512		Stage 2B	X					X		X
440-78211-1	M-5ADUP	440-78211-1DUP	Water	20140512	DUP	Stage 2B								
440-78211-1	M-7B	440-78211-2	Water	20140512		Stage 2B	X					X		X
440-78309-1	DUP-6	440-78309-11	Water	20140513	FD6	Stage 2B			X					X
440-78309-1	DUP-6DUP	440-78309-11DUP	Water	20140513	DUP	Stage 2B								
440-78309-1	DUP-6MS	440-78309-11MS	Water	20140513	MS	Stage 2B			X					
440-78309-1	DUP-6MSD	440-78309-11MSD	Water	20140513	MSD	Stage 2B			X					
440-78309-1	FB-2	440-78309-12	Water	20140513	FB	Stage 2B			X		X			X
440-78309-1	FB-2MS	440-78309-12MS	Water	20140513	MS	Stage 2B					X			
440-78309-1	FB-2MSD	440-78309-12MSD	Water	20140513	MSD	Stage 2B					X			
440-78309-1	I-AD	440-78309-4	Water	20140513		Stage 2B			X					X
440-78309-1	I-I	440-78309-24	Water	20140513		Stage 2B			X					X
440-78309-1	I-IDUP	440-78309-24DUP	Water	20140513	DUP	Stage 2B								
440-78309-1	I-J	440-78309-2	Water	20140513		Stage 2B			X					X
440-78309-1	I-JDUP	440-78309-2DUP	Water	20140513	DUP	Stage 2B								

TABLE I - Sample Cross-Reference

SDG	Client Sample ID	Lab Sample ID	Matrix	Sample Date	QC Type	Validation Level	Metals (200.7)	Diss. Metals (200.7)	Cr (200.7/200.8)	Diss. Se (200.8)	Cr^{6+} (218.6)	Cl,SO_4,NO_3-N,NO_2-N (300.0)	Chlorate (300.1B)	ClO_4 (314.0)
440-78309-1	I-K	440-78309-3	Water	20140513		Stage 2B			X					X
440-78309-1	I-V	440-78309-23	Water	20140513		Stage 2B			X					X
440-78309-1	I-Z	440-78309-1	Water	20140513		Stage 2B			X					X
440-78309-1	I-ZDUP	440-78309-1DUP	Water	20140513	DUP	Stage 2B								
440-78309-1	I-ZMS	440-78309-1MS	Water	20140513	MS	Stage 2B			X					
440-78309-1	I-ZMSD	440-78309-1MSD	Water	20140513	MSD	Stage 2B			X					
440-78309-1	M-115	440-78309-13	Water	20140513		Stage 2B			X					X
440-78309-1	M-19	440-78309-18	Water	20140513		Stage 2B			X					X
440-78309-1	M-2A	440-78309-16	Water	20140513		Stage 2B			X					X
440-78309-1	M-35	440-78309-17	Water	20140513	FD6	Stage 2B			X					X
440-78309-1	M-67	440-78309-22	Water	20140513		Stage 2B			X					X
440-78309-1	M-68	440-78309-19	Water	20140513		Stage 2B			X					X
440-78309-1	M-70	440-78309-8	Water	20140513		Stage 2B			X					X
440-78309-1	M-71	440-78309-9	Water	20140513		Stage 2B			X					X
440-78309-1	M-72	440-78309-10	Water	20140513		Stage 2B			X					X
440-78309-1	M-73	440-78309-21	Water	20140513		Stage 2B			X					X
440-78309-1	M-74	440-78309-20	Water	20140513		Stage 2B			X					X
440-78309-1	M-75	440-78309-14	Water	20140513		Stage 2B			X					X
440-78309-1	M-76	440-78309-15	Water	20140513		Stage 2B			X					X
440-78309-1	M-80	440-78309-6	Water	20140513		Stage 2B			X		X			X
440-78309-1	M-81A	440-78309-5	Water	20140513		Stage 2B			X					X
440-78309-1	M-83	440-78309-7	Water	20140513		Stage 2B			X					X
440-78401-1	M-118	440-78401-3	Water	20140513		Stage 2B			X					X
440-78401-1	M-118MS	440-78401-3MS	Water	20140513	MS	Stage 2B			X					
440-78401-1	M-118MSD	440-78401-3MSD	Water	20140513	MSD	Stage 2B			X					
440-78401-1	M-120	440-78401-2	Water	20140513		Stage 2B			X					X
440-78401-1	M-120DUP	440-78401-2DUP	Water	20140513	DUP	Stage 2B								
440-78401-1	M-121	440-78401-4	Water	20140513		Stage 2B			X					X
440-78401-1	TR-10	440-78401-6	Water	20140513		Stage 2B			X					X
440-78401-1	TR-10DUP	440-78401-6DUP	Water	20140513	DUP	Stage 2B								
440-78401-1	TR-2	440-78401-1	Water	20140512		Stage 2B			X					X
440-78401-1	TR-2DUP	440-78401-1DUP	Water	20140512	DUP	Stage 2B								
440-78401-1	TR-6	440-78401-7	Water	20140513		Stage 2B			X					X
440-78401-1	TR-9	440-78401-5	Water	20140513		Stage 2B			X					X
440-78428-1	DUP-7	440-78428-15	Water	20140514	FD7	Stage 2B			X		X	X	X	X
440-78428-1	EB-3	440-78428-14	Water	20140514	EB	Stage 2B			X		X			X
440-78428-1	H-11	440-78428-5	Water	20140514		Stage 2B								X
440-78428-1	M-123	440-78428-2	Water	20140514		Stage 2B								X
440-78428-1	M-124	440-78428-4	Water	20140514		Stage 2B			X					X
440-78428-1	M-124DUP	440-78428-4DUP	Water	20140514	DUP	Stage 2B								
440-78428-1	M-128	440-78428-3	Water	20140514		Stage 2B								X

TABLE I - Sample Cross-Reference

SDG	Client Sample ID	Lab Sample ID	Matrix	Sample Date	QC Type	Validation Level	Metals (200.7)	Diss. Metals (200.7)	Cr (200.7/200.8)	Diss. Se (200.8)	Cr^{6+} (218.6)	Cl,SO_4,NO_3-N,NO_2-N (300.0)	Chlorate (300.1B)	ClO_4 (314.0)
440-78428-1	M-128DUP	440-78428-3DUP	Water	20140514	DUP	Stage 2B								
440-78428-1	M-12A	440-78428-13	Water	20140514	FD7	Stage 2B			X		X	X	X	X
440-78428-1	M-12AMS	440-78428-13MS	Water	20140514	MS	Stage 2B			X					
440-78428-1	M-12AMSD	440-78428-13MSD	Water	20140514	MSD	Stage 2B			X					
440-78428-1	M-132	440-78428-16	Water	20140514		Stage 2B			X					X
440-78428-1	M-133	440-78428-1	Water	20140514		Stage 2B			X					X
440-78428-1	M-133DUP	440-78428-1DUP	Water	20140514	DUP	Stage 2B								
440-78428-1	M-137	440-78428-6	Water	20140514		Stage 2B			X					X
440-78428-1	M-138	440-78428-7	Water	20140514		Stage 2B			X					X
440-78428-1	M-141	440-78428-9	Water	20140514		Stage 2B			X					X
440-78428-1	M-21	440-78428-12	Water	20140514		Stage 2B			X					X
440-78428-1	M-31A	440-78428-10	Water	20140514		Stage 2B			X					X
440-78428-1	M-52	440-78428-11	Water	20140514		Stage 2B			X					X
440-78428-1	M-52DUP	440-78428-11DUP	Water	20140514	DUP	Stage 2B								
440-78428-1	M-77	440-78428-8	Water	20140514		Stage 2B			X					X
440-78606-1	DUP-8	440-78606-12	Water	20140515	FD8	Stage 2B			X					X
440-78606-1	EB-4	440-78606-11	Water	20140515	EB	Stage 2B			X		X			X
440-78606-1	EB-4DUP	440-78606-11DUP	Water	20140515	DUP	Stage 2B								
440-78606-1	M-11	440-78606-10	Water	20140515		Stage 2B			X		X	X	X	X
440-78606-1	M-125	440-78606-1	Water	20140515		Stage 2B								X
440-78606-1	M-125DUP	440-78606-1DUP	Water	20140515	DUP	Stage 2B								
440-78606-1	M-13	440-78606-9	Water	20140515		Stage 2B			X			X	X	X
440-78606-1	M-139	440-78606-2	Water	20140515		Stage 2B			X					X
440-78606-1	M-142	440-78606-3	Water	20140515		Stage 2B			X					X
440-78606-1	M-144	440-78606-4	Water	20140515	FD8	Stage 2B			X					X
440-78606-1	M-145	440-78606-5	Water	20140515		Stage 2B			X					X
440-78606-1	M-146	440-78606-6	Water	20140515		Stage 2B			X					X
440-78606-1	M-146MS	440-78606-6MS	Water	20140515	MS	Stage 2B			X					
440-78606-1	M-146MSD	440-78606-6MSD	Water	20140515	MSD	Stage 2B			X					
440-78606-1	M-147	440-78606-8	Water	20140515		Stage 2B			X					X
440-78606-1	M-148A	440-78606-7	Water	20140515		Stage 2B			X					X
440-78607-1	M-10	440-78607-1	Water	20140515		Stage 2B	X				X	X	X	X
440-78607-1	M-10MS	440-78607-1MS	Water	20140515	MS	Stage 2B	X							
440-78607-1	M-10MSD	440-78607-1MSD	Water	20140515	MSD	Stage 2B	X							
440-78684-1	PC-56	440-78684-7	Water	20140516		Stage 2B			X					X
440-78684-1	PC-58	440-78684-6	Water	20140516		Stage 2B			X					X
440-78684-1	PC-59	440-78684-9	Water	20140516		Stage 2B			X					X
440-78684-1	PC-60	440-78684-8	Water	20140516		Stage 2B			X					X
440-78684-1	PC-62	440-78684-10	Water	20140516		Stage 2B			X					X
440-78684-1	PC-68	440-78684-11	Water	20140516		Stage 2B			X					X
440-78684-1	PC-68DUP	440-78684-11DUP	Water	20140516	DUP	Stage 2B								

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SDG	Client Sample ID	Lab Sample ID	Matrix	Sample Date	QC Type	Validation Level	Metals (200.7)	Diss. Metals (200.7)	Cr (200.7/200.8)	Diss. Se (200.8)	Cr^{6+} (218.6)	Cl,SO_4,NO_3-N,NO_2-N (300.0)	Chlorate (300.1B)	ClO_4 (314.0)
440-78684-1	PC-86	440-78684-12	Water	20140516		Stage 2B			X			X	X	X
440-78684-1	PC-90	440-78684-2	Water	20140516		Stage 2B			X			X	X	X
440-78684-1	PC-91	440-78684-3	Water	20140516		Stage 2B			X			X	X	X
440-78684-1	PC-92	440-78684-4	Water	20140516		Stage 2B			X					X
440-78684-1	PC-92MS	440-78684-4MS	Water	20140516	MS	Stage 2B			X					
440-78684-1	PC-92MSD	440-78684-4MSD	Water	20140516	MSD	Stage 2B			X					
440-78684-1	PC-94	440-78684-5	Water	20140516		Stage 2B			X					X
440-78684-1	PC-97	440-78684-1	Water	20140516		Stage 2B			X					X
440-78684-1	PC-97DUP	440-78684-1DUP	Water	20140516	DUP	Stage 2B								
440-78686-1	DB-1	440-78686-9	Water	20140515	EB	Stage 4								X
440-78686-1	M-117	440-78686-5	Water	20140515		Stage 4			X					X
440-78686-1	M-156	440-78686-10	Water	20140515		Stage 4			X					X
440-78686-1	TR-1	440-78686-7	Water	20140515		Stage 4			X					X
440-78686-1	TR-11	440-78686-8	Water	20140515		Stage 4			X					X
440-78686-1	TR-3	440-78686-3	Water	20140515		Stage 4			X					X
440-78686-1	TR-4	440-78686-4	Water	20140515		Stage 4			X					X
440-78686-1	TR-5	440-78686-6	Water	20140515		Stage 4			X					X
440-78686-1	TR-7	440-78686-2	Water	20140514		Stage 4			X					X
440-78686-1	TR-7MS	440-78686-2MS	Water	20140514	MS	Stage 4			X					
440-78686-1	TR-7MSD	440-78686-2MSD	Water	20140514	MSD	Stage 4			X					
440-78686-1	TR-8	440-78686-1	Water	20140514		Stage 4			X					X
440-78686-1	TR-8DUP	440-78686-1DUP	Water	20140514	DUP	Stage 4								
440-78689-1	I-AC	440-78689-1	Water	20140516		Stage 2B			X					X
440-78862-1	ARP-2A	440-78862-6	Water	20140520		Stage 2B			X					X
440-78862-1	ARP-3A	440-78862-10	Water	20140520		Stage 2B			X					X
440-78862-1	ARP-4A	440-78862-11	Water	20140520		Stage 2B			X					X
440-78862-1	ARP-7	440-78862-5	Water	20140520		Stage 2B			X					X
440-78862-1	ART-7B	440-78862-1	Water	20140520		Stage 2B			X					X
440-78862-1	ART-7BDUP	440-78862-1DUP	Water	20140520	DUP	Stage 2B								
440-78862-1	ART-7BMS	440-78862-1MS	Water	20140520	MS	Stage 2B			X					
440-78862-1	ART-7BMSD	440-78862-1MSD	Water	20140520	MSD	Stage 2B			X					
440-78862-1	EB-10	440-78862-9	Water	20140520	EB	Stage 2B								X
440-78862-1	M-99	440-78862-14	Water	20140520		Stage 2B			X					X
440-78862-1	M-99DUP	440-78862-14DUP	Water	20140520	DUP	Stage 2B								
440-78862-1	MW-K4	440-78862-12	Water	20140520		Stage 2B			X					X
440-78862-1	MW-K4DUP	440-78862-12DUP	Water	20140520	DUP	Stage 2B								
440-78862-1	MW-K5	440-78862-4	Water	20140520		Stage 2B			X			X	X	X
440-78862-1	PC-101R	440-78862-13	Water	20140520		Stage 2B			X					X
440-78862-1	PC-101RDUP	440-78862-13DUP	Water	20140520	DUP	Stage 2B								
440-78862-1	PC-101RMS	440-78862-13MS	Water	20140520	MS	Stage 2B			X					
440-78862-1	PC-101RMSD	440-78862-13MSD	Water	20140520	MSD	Stage 2B			X					

TABLE I - Sample Cross-Reference

SDG	Client Sample ID	Lab Sample ID	Matrix	Sample Date	QC Type	Validation Level	Metals (200.7)	Diss. Metals (200.7)	Cr (200.7/200.8)	Diss. Se (200.8)	Cr^{6+} (218.6)	Cl,SO_4,NO_3-N,NO_2-N (300.0)	Chlorate (300.1B)	ClO_4 (314.0)
440-78862-1	PC-103	440-78862-7	Water	20140520		Stage 2B			X			X	X	X
440-78862-1	PC-122	440-78862-2	Water	20140520		Stage 2B			X					X
440-78862-1	PC-122MS	440-78862-2MS	Water	20140520	MS	Stage 2B			X					
440-78862-1	PC-122MSD	440-78862-2MSD	Water	20140520	MSD	Stage 2B			X					
440-78862-1	PC-53	440-78862-3	Water	20140520		Stage 2B			X					X
440-78862-1	PC-98R	440-78862-8	Water	20140520		Stage 2B			X					X
440-78998-1	EQUIPMENT BLANK	440-78998-2	Water	20140519	EB	Stage 2B			X					X
440-78998-1	FD-1	440-78998-4	Water	20140519	FD9	Stage 2B			X					X
440-78998-1	M-150	440-78998-5	Water	20140519		Stage 2B			X					X
440-78998-1	M-152	440-78998-3	Water	20140519	FD9	Stage 2B			X					X
440-78998-1	M-154	440-78998-6	Water	20140519		Stage 2B			X					X
440-78998-1	M-161	440-78998-10	Water	20140520		Stage 2B			X					X
440-78998-1	M-162	440-78998-8	Water	20140520		Stage 2B			X					X
440-78998-1	M-162DUP	440-78998-8DUP	Water	20140520	DUP	Stage 2B								
440-78998-1	M-163	440-78998-9	Water	20140520		Stage 2B			X					X
440-78998-1	M-164	440-78998-7	Water	20140519		Stage 2B			X					X
440-78998-1	M-164DUP	440-78998-7DUP	Water	20140519	DUP	Stage 2B								
440-78998-1	M-182	440-78998-11	Water	20140520		Stage 2B			X					X
440-78998-1	TR-12	440-78998-1	Water	20140519		Stage 2B			X					X
440-79035-1	ARP-1	440-79035-1	Water	20140521		Stage 2B			X					X
440-79035-1	ARP-1DUP	440-79035-1DUP	Water	20140521	DUP	Stage 2B								
440-79035-1	ARP-1MS	440-79035-1MS	Water	20140521	MS	Stage 2B			X					
440-79035-1	ARP-1MSD	440-79035-1MSD	Water	20140521	MSD	Stage 2B			X					
440-79035-1	ARP-5A	440-79035-4	Water	20140521		Stage 2B			X					X
440-79035-1	ARP-6B	440-79035-5	Water	20140521		Stage 2B			X					X
440-79035-1	PC-18	440-79035-2	Water	20140521		Stage 2B			X					X
440-79035-1	PC-4	440-79035-6	Water	20140521		Stage 2B			X			X	X	X
440-79035-1	PC-55	440-79035-3	Water	20140521		Stage 2B			X					X
440-79170-1	M-149	440-79170-5	Water	20140522		Stage 2B			X					X
440-79170-1	M-151	440-79170-3	Water	20140521		Stage 2B			X					X
440-79170-1	M-151MS	440-79170-3MS	Water	20140521	MS	Stage 2B			X					
440-79170-1	M-151MSD	440-79170-3MSD	Water	20140521	MSD	Stage 2B			X					
440-79170-1	M-153	440-79170-6	Water	20140522		Stage 2B			X					X
440-79170-1	M-155	440-79170-2	Water	20140521		Stage 2B			X					X
440-79170-1	M-165	440-79170-4	Water	20140521		Stage 2B			X					X
440-79170-1	M-181	440-79170-1	Water	20140521		Stage 2B			X					X
440-79170-1	M-186	440-79170-7	Water	20140522		Stage 2B			X					X
440-79170-1	M-186DUP	440-79170-7DUP	Water	20140522	DUP	Stage 2B								
440-79884-1	ART-1	440-79884-1	Water	20140603		Stage 2B								X
440-79884-1	ART-1DUP	440-79884-1DUP	Water	20140603	DUP	Stage 2B								
440-79884-1	ART-2	440-79884-2	Water	20140603		Stage 2B								X

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SDG	Client Sample ID	Lab Sample ID	Matrix	Sample Date	QC Type	Validation Level	Metals (200.7)	Diss. Metals (200.7)	Cr (200.7/200.8)	Diss. Se (200.8)	Cr^{6+} (218.6)	Cl,SO_4,NO_3-N,NO_2-N (300.0)	Chlorate (300.1B)	ClO_4 (314.0)
440-79884-1	ART-3	440-79884-3	Water	20140603		Stage 2B								X
440-79884-1	ART-4	440-79884-4	Water	20140603		Stage 2B								X
440-79884-1	ART-6	440-79884-5	Water	20140603		Stage 2B								X
440-79884-1	ART-7	440-79884-6	Water	20140603		Stage 2B								X
440-79884-1	ART-8	440-79884-7	Water	20140603		Stage 2B								X
440-79884-1	ART-9	440-79884-8	Water	20140603		Stage 2B								X
440-79884-1	PC-115R	440-79884-10	Water	20140603		Stage 2B								X
440-79884-1	PC-116R	440-79884-11	Water	20140603		Stage 2B								X
440-79884-1	PC-116RDUP	440-79884-11DUP	Water	20140603	DUP	Stage 2B								
440-79884-1	PC-117	440-79884-12	Water	20140603		Stage 2B								X
440-79884-1	PC-118	440-79884-13	Water	20140603		Stage 2B								X
440-79884-1	PC-119	440-79884-14	Water	20140603		Stage 2B								X
440-79884-1	PC-120	440-79884-15	Water	20140603		Stage 2B								X
440-79884-1	PC-121	440-79884-16	Water	20140603		Stage 2B								X
440-79884-1	PC-133	440-79884-17	Water	20140603		Stage 2B								X
440-79884-1	PC-99R2/R3	440-79884-9	Water	20140603		Stage 2B								X
440-80727-1	PC-56	440-80727-5	Water	20140611		Stage 2B								X
440-80727-1	PC-58	440-80727-4	Water	20140611		Stage 2B								X
440-80727-1	PC-59	440-80727-7	Water	20140611		Stage 2B								X
440-80727-1	PC-60	440-80727-6	Water	20140611		Stage 2B								X
440-80727-1	PC-62	440-80727-8	Water	20140611		Stage 2B								X
440-80727-1	PC-68	440-80727-9	Water	20140611		Stage 2B								X
440-80727-1	PC-86	440-80727-10	Water	20140611		Stage 2B								X
440-80727-1	PC-90	440-80727-2	Water	20140611		Stage 2B								X
440-80727-1	PC-91	440-80727-3	Water	20140611		Stage 2B								X
440-80727-1	PC-97	440-80727-1	Water	20140611		Stage 2B								X
440-80727-1	PC-97DUP	440-80727-1DUP	Water	20140611	DUP	Stage 2B								
440-80787-1	ARP-1	440-80787-1	Water	20140612		Stage 4								X
440-80787-1	ARP-2A	440-80787-14	Water	20140612		Stage 4								X
440-80787-1	ARP-3A	440-80787-12	Water	20140612		Stage 4								X
440-80787-1	ARP-4A	440-80787-9	Water	20140612		Stage 4								X
440-80787-1	ARP-5A	440-80787-8	Water	20140612		Stage 4								X
440-80787-1	ARP-6B	440-80787-7	Water	20140612		Stage 4								X
440-80787-1	ARP-7	440-80787-6	Water	20140612		Stage 4								X
440-80787-1	ARP-7DUP	440-80787-6DUP	Water	20140612	DUP	Stage 4								
440-80787-1	EB-1	440-80787-13	Water	20140612	EB	Stage 4								X
440-80787-1	MW-K4	440-80787-11	Water	20140612		Stage 4								X
440-80787-1	MW-K5	440-80787-5	Water	20140612		Stage 4								X
440-80787-1	PC-101R	440-80787-10	Water	20140612		Stage 4								X
440-80787-1	PC-103	440-80787-15	Water	20140612		Stage 4								X
440-80787-1	PC-122	440-80787-3	Water	20140612		Stage 4								X

TABLE I - Sample Cross-Reference

SDG	Client Sample ID	Lab Sample ID	Matrix	Sample Date	QC Type	Validation Level	Metals (200.7)	Diss. Metals (200.7)	Cr (200.7/200.8)	Diss. Se (200.8)	Cr^{6+} (218.6)	Cl,SO_4,NO_3-N,NO_2-N (300.0)	Chlorate (300.1B)	ClO_4 (314.0)
440-80787-1	PC-18	440-80787-2	Water	20140612		Stage 4								X
440-80787-1	PC-53	440-80787-4	Water	20140612		Stage 4								X
440-80787-1	PC-98R	440-80787-16	Water	20140612		Stage 4								X
440-80918-1	M-83	440-80918-1	Water	20140613		Stage 2B								X
440-80918-1	PC-55	440-80918-2	Water	20140613		Stage 2B								X

TABLE I - Sample Cross-Reference

SDG	Client Sample ID	Lab Sample ID	Matrix	Sample Date	QC Type	Validation Level	NH_3-N (350.1)	OPO_4-PO_4 OPO_4-P (SM4500PE/365.1)	Phenols (420.1)	TIN NO_3/NO_2-N (CALC)	CAB (SM1030E)	Alkalinity (SM2320B)	Spec. Cond. (SM2510)
467090	ART-4A	201402040369	Water	20140203		Stage 2B	X	X		X	X	X	
467090	ART-4AMS	201402040369MS	Water	20140203	MS	Stage 2B						X	
467090	ART-4AMSD	201402040369MSD	Water	20140203	MSD	Stage 2B						X	
467090	ART-9	201402040370	Water	20140203		Stage 2B	X	X		X	X	X	
467090	PC-117	201402040371	Water	20140203		Stage 2B	X	X		X	X	X	
467090	PC-119	201402040372	Water	20140203		Stage 2B	X	X		X	X	X	
467090	PC-119MS	201402040372MS	Water	20140203	MS	Stage 2B							
467090	PC-119MSD	201402040372MSD	Water	20140203	MSD	Stage 2B							
467090	PC-121	201402040373	Water	20140203		Stage 2B	X	X		X	X	X	
467090	PC-121MS	201402040373MS	Water	20140203	MS	Stage 2B		X					
467090	PC-121MSD	201402040373MSD	Water	20140203	MSD	Stage 2B		X					
467090	PC-133	201402040374	Water	20140203		Stage 2B	X	X		X	X	X	
467090	PC-133MS	201402040374MS	Water	20140203	MS	Stage 2B							
467090	PC-133MSD	201402040374MSD	Water	20140203	MSD	Stage 2B							
468765	PC-62	201402130582	Water	20140212		Stage 4	X	X		X	X	X	
468765	PC-62MS	201402130582MS	Water	20140212	MS	Stage 4							
468765	PC-62MSD	201402130582MSD	Water	20140212	MSD	Stage 4							
468765	PC-91	201402130583	Water	20140212		Stage 4	X	X		X	X	X	
469017	MW-K4	201402150191	Water	20140213		Stage 2B	X	X		X	X	X	
469017	MW-K4MS	201402150191MS	Water	20140213	MS	Stage 2B						X	
469017	MW-K4MSD	201402150191MSD	Water	20140213	MSD	Stage 2B						X	
469017	PC-103	201402150192	Water	20140213		Stage 2B	X	X		X	X	X	
469017	PC-103MS	201402150192MS	Water	20140213	MS	Stage 2B							
469017	PC-103MSD	201402150192MSD	Water	20140213	MSD	Stage 2B							
440-67075-1	ART-1	440-67075-1	Water	20140108		Stage 2B							
440-67075-1	ART-2	440-67075-2	Water	20140108		Stage 2B							
440-67075-1	ART-3	440-67075-3	Water	20140108		Stage 2B							
440-67075-1	ART-4	440-67075-4	Water	20140108		Stage 2B							
440-67075-1	ART-6	440-67075-5	Water	20140108		Stage 2B							
440-67075-1	ART-7	440-67075-6	Water	20140108		Stage 2B							
440-67075-1	ART-8	440-67075-7	Water	20140108		Stage 2B							
440-67075-1	ART-9	440-67075-8	Water	20140108		Stage 2B							
440-67075-1	PC-115R	440-67075-10	Water	20140108		Stage 2B							
440-67075-1	PC-116R	440-67075-11	Water	20140108		Stage 2B							
440-67075-1	PC-117	440-67075-12	Water	20140108		Stage 2B							
440-67075-1	PC-118	440-67075-13	Water	20140108		Stage 2B							
440-67075-1	PC-119	440-67075-14	Water	20140108		Stage 2B							
440-67075-1	PC-120	440-67075-15	Water	20140108		Stage 2B							
440-67075-1	PC-121	440-67075-16	Water	20140108		Stage 2B							
440-67075-1	PC-133	440-67075-17	Water	20140108		Stage 2B							
440-67075-1	PC-99R2/R3	440-67075-9	Water	20140108		Stage 2B							

TABLE I - Sample Cross-Reference

SDG	Client Sample ID	Lab Sample ID	Matrix	Sample Date	QC Type	Validation Level	NH_3-N (350.1)	OPO_4-PO_4 OPO_4-P (SM4500PE/365.1)	Phenols (420.1)	TIN NO_3/NO_2-N (CALC)	CAB (SM1030E)	Alkalinity (SM2320B)	Spec. Cond. (SM2510)
440-67726-1	ARP-1	440-67726-12	Water	20140115		Stage 2B							
440-67726-1	ARP-2A	440-67726-23	Water	20140115		Stage 2B							
440-67726-1	ARP-3A	440-67726-22	Water	20140115		Stage 2B							
440-67726-1	ARP-4A	440-67726-19	Water	20140115		Stage 2B							
440-67726-1	ARP-5A	440-67726-18	Water	20140115		Stage 2B							
440-67726-1	ARP-6B	440-67726-17	Water	20140115		Stage 2B							
440-67726-1	ARP-7	440-67726-16	Water	20140115		Stage 2B							
440-67726-1	EB-1	440-67726-26	Water	20140115	EB	Stage 2B							
440-67726-1	MW-K4	440-67726-21	Water	20140115		Stage 2B							
440-67726-1	MW-K5	440-67726-15	Water	20140115		Stage 2B							
440-67726-1	PC-101R	440-67726-20	Water	20140115		Stage 2B							
440-67726-1	PC-103	440-67726-24	Water	20140115		Stage 2B							
440-67726-1	PC-122	440-67726-13	Water	20140115		Stage 2B							
440-67726-1	PC-18	440-67726-11	Water	20140115		Stage 2B							
440-67726-1	PC-53	440-67726-14	Water	20140115		Stage 2B							
440-67726-1	PC-56	440-67726-5	Water	20140115		Stage 2B							
440-67726-1	PC-58	440-67726-4	Water	20140115		Stage 2B							
440-67726-1	PC-59	440-67726-7	Water	20140115		Stage 2B							
440-67726-1	PC-60	440-67726-6	Water	20140115		Stage 2B							
440-67726-1	PC-62	440-67726-8	Water	20140115		Stage 2B							
440-67726-1	PC-68	440-67726-9	Water	20140115		Stage 2B							
440-67726-1	PC-86	440-67726-10	Water	20140115		Stage 2B							
440-67726-1	PC-90	440-67726-2	Water	20140115		Stage 2B							
440-67726-1	PC-91	440-67726-3	Water	20140115		Stage 2B							
440-67726-1	PC-97	440-67726-1	Water	20140115		Stage 2B							
440-67726-1	PC-97DUP	440-67726-1DUP	Water	20140115	DUP	Stage 2B							
440-67726-1	PC-98R	440-67726-25	Water	20140115		Stage 2B							
440-67756-1	M-83	440-67756-2	Water	20140116		Stage 2B							
440-67756-1	PC-55	440-67756-1	Water	20140116		Stage 2B							
440-68537-1	PC-150	440-68537-1	Water	20140128		Stage 2B							
440-68537-1	PC-150DUP	440-68537-1DUP	Water	20140128	DUP	Stage 2B							
440-68537-1	PC-150MS	440-68537-1MS	Water	20140128	MS	Stage 2B							
440-68537-1	PC-150MSD	440-68537-1MSD	Water	20140128	MSD	Stage 2B							
440-68671-1	ART-7B	440-68671-1	Water	20140129		Stage 4							
440-68671-1	ART-7BMS	440-68671-1MS	Water	20140129	MS	Stage 4							
440-68671-1	ART-7BMSD	440-68671-1MSD	Water	20140129	MSD	Stage 4							
440-68764-1	I-AD	440-68764-1	Water	20140130		Stage 2B							
440-68764-1	I-ADMS	440-68764-1MS	Water	20140130	MS	Stage 2B							
440-68764-1	I-ADMSD	440-68764-1MSD	Water	20140130	MSD	Stage 2B							
440-68948-1	I-AC	440-68948-1	Water	20140203		Stage 2B							
440-68948-1	I-ACDUP	440-68948-1DUP	Water	20140203	DUP	Stage 2B							

TABLE I - Sample Cross-Reference

SDG	Client Sample ID	Lab Sample ID	Matrix	Sample Date	QC Type	Validation Level	NH_3-N (350.1)	OPO_4-PO_4 OPO_4-P (SM4500PE/365.1)	Phenols (420.1)	TIN NO_3/NO_2-N (CALC)	CAB (SM1030E)	Alkalinity (SM2320B)	Spec. Cond. (SM2510)
440-68948-1	I-ACMS	440-68948-1MS	Water	20140203	MS	Stage 2B							
440-68948-1	I-ACMSD	440-68948-1MSD	Water	20140203	MSD	Stage 2B							
440-68971-1	ART-1	440-68971-1	Water	20140203		Stage 2B							
440-68971-1	ART-1MS	440-68971-1MS	Water	20140203	MS	Stage 2B							
440-68971-1	ART-1MSD	440-68971-1MSD	Water	20140203	MSD	Stage 2B							
440-68971-1	ART-2	440-68971-2	Water	20140203		Stage 2B							
440-68971-1	ART-3	440-68971-4	Water	20140203		Stage 2B							
440-68971-1	ART-4	440-68971-5	Water	20140203		Stage 2B							
440-68971-1	ART-6	440-68971-8	Water	20140203		Stage 2B							
440-68971-1	ART-7	440-68971-6	Water	20140203		Stage 2B							
440-68971-1	ART-8	440-68971-7	Water	20140203		Stage 2B							
440-68971-1	ART-9	440-68971-3	Water	20140203		Stage 2B							
440-68971-1	PC-115R	440-68971-15	Water	20140203		Stage 2B							
440-68971-1	PC-116R	440-68971-9	Water	20140203		Stage 2B							
440-68971-1	PC-117	440-68971-14	Water	20140203		Stage 2B							
440-68971-1	PC-118	440-68971-12	Water	20140203		Stage 2B							
440-68971-1	PC-119	440-68971-11	Water	20140203		Stage 2B							
440-68971-1	PC-119MS	440-68971-11MS	Water	20140203	MS	Stage 2B							
440-68971-1	PC-119MSD	440-68971-11MSD	Water	20140203	MSD	Stage 2B							
440-68971-1	PC-120	440-68971-16	Water	20140203		Stage 2B							
440-68971-1	PC-121	440-68971-17	Water	20140203		Stage 2B							
440-68971-1	PC-121DUP	440-68971-17DUP	Water	20140203	DUP	Stage 2B							
440-68971-1	PC-133	440-68971-10	Water	20140203		Stage 2B							
440-68971-1	PC-99R2/R3	440-68971-13	Water	20140203		Stage 2B							
440-69094-1	I-AA	440-69094-1	Water	20140204		Stage 2B							
440-69094-1	I-AAMS	440-69094-1MS	Water	20140204	MS	Stage 2B							
440-69094-1	I-AAMSD	440-69094-1MSD	Water	20140204	MSD	Stage 2B							
440-69096-1	M-10	440-69096-1	Water	20140204		Stage 2B	X			X			
440-69096-1	M-10DUP	440-69096-1DUP	Water	20140204	DUP	Stage 2B							
440-69096-1	M-10MS	440-69096-1MS	Water	20140204	MS	Stage 2B							
440-69096-1	M-10MSD	440-69096-1MSD	Water	20140204	MSD	Stage 2B							
440-69099-1	I-AR	440-69099-26	Water	20140204		Stage 2B							
440-69099-1	I-B	440-69099-25	Water	20140204		Stage 2B							
440-69099-1	I-C	440-69099-21	Water	20140204		Stage 2B							
440-69099-1	I-CDUP	440-69099-21DUP	Water	20140204	DUP	Stage 2B							
440-69099-1	I-D	440-69099-12	Water	20140203		Stage 2B							
440-69099-1	I-E	440-69099-10	Water	20140203		Stage 2B							
440-69099-1	I-F	440-69099-8	Water	20140203		Stage 2B							
440-69099-1	I-G	440-69099-6	Water	20140203		Stage 2B							
440-69099-1	I-H	440-69099-3	Water	20140203		Stage 2B							
440-69099-1	I-HMS	440-69099-3MS	Water	20140203	MS	Stage 2B							

TABLE I - Sample Cross-Reference

SDG	Client Sample ID	Lab Sample ID	Matrix	Sample Date	QC Type	Validation Level	NH_3-N (350.1)	OPO_4-PO_4 OPO_4-P (SM4500PE/365.1)	Phenols (420.1)	TIN NO_3/NO_2-N (CALC)	CAB (SM1030E)	Alkalinity (SM2320B)	Spec. Cond. (SM2510)
440-69099-1	I-HMSD	440-69099-3MSD	Water	20140203	MSD	Stage 2B							
440-69099-1	I-L	440-69099-23	Water	20140204		Stage 2B							
440-69099-1	I-M	440-69099-11	Water	20140203		Stage 2B							
440-69099-1	I-N	440-69099-9	Water	20140203		Stage 2B							
440-69099-1	I-NMS	440-69099-9MS	Water	20140203	MS	Stage 2B							
440-69099-1	I-NMSD	440-69099-9MSD	Water	20140203	MSD	Stage 2B							
440-69099-1	I-O	440-69099-1	Water	20140203		Stage 2B							
440-69099-1	I-ODUP	440-69099-1DUP	Water	20140203	DUP	Stage 2B							
440-69099-1	I-P	440-69099-2	Water	20140203		Stage 2B							
440-69099-1	I-Q	440-69099-7	Water	20140203		Stage 2B							
440-69099-1	I-R	440-69099-24	Water	20140204		Stage 2B							
440-69099-1	I-S	440-69099-22	Water	20140204		Stage 2B							
440-69099-1	I-T	440-69099-5	Water	20140203		Stage 2B							
440-69099-1	I-U	440-69099-4	Water	20140203		Stage 2B							
440-69099-1	M-11	440-69099-27	Water	20140204		Stage 2B							
440-69099-1	PC-123	440-69099-13	Water	20140204		Stage 2B							
440-69099-1	PC-124	440-69099-18	Water	20140204		Stage 2B							
440-69099-1	PC-125	440-69099-19	Water	20140204		Stage 2B							
440-69099-1	PC-125DUP	440-69099-19DUP	Water	20140204	DUP	Stage 2B							
440-69099-1	PC-125MS	440-69099-19MS	Water	20140204	MS	Stage 2B							
440-69099-1	PC-125MSD	440-69099-19MSD	Water	20140204	MSD	Stage 2B							
440-69099-1	PC-126	440-69099-20	Water	20140204		Stage 2B							
440-69099-1	PC-126DUP	440-69099-20DUP	Water	20140204	DUP	Stage 2B							
440-69099-1	PC-128	440-69099-14	Water	20140204		Stage 2B							
440-69099-1	PC-129	440-69099-15	Water	20140204		Stage 2B							
440-69099-1	PC-130	440-69099-16	Water	20140204	FD10	Stage 2B							
440-69099-1	PC-131	440-69099-17	Water	20140204		Stage 2B							
440-69099-1	VD-1	440-69099-28	Water	20140204	FD10	Stage 2B							
440-69261-1	FB-1	440-69261-12	Water	20140205	FB	Stage 2B							
440-69261-1	FB-1MS	440-69261-12MS	Water	20140205	MS	Stage 2B							
440-69261-1	FB-1MSD	440-69261-12MSD	Water	20140205	MSD	Stage 2B							
440-69261-1	M-44	440-69261-10	Water	20140205		Stage 2B							
440-69261-1	M-48A	440-69261-8	Water	20140205		Stage 2B							
440-69261-1	M-48ADUP	440-69261-8DUP	Water	20140205	DUP	Stage 2B							
440-69261-1	M-95	440-69261-11	Water	20140205	FD11	Stage 2B							
440-69261-1	M-95MS	440-69261-11MS	Water	20140205	MS	Stage 2B							
440-69261-1	M-95MSD	440-69261-11MSD	Water	20140205	MSD	Stage 2B							
440-69261-1	PC-127	440-69261-1	Water	20140205		Stage 2B							
440-69261-1	PC-127MS	440-69261-1MS	Water	20140205	MS	Stage 2B							
440-69261-1	PC-127MSD	440-69261-1MSD	Water	20140205	MSD	Stage 2B							
440-69261-1	PC-135A	440-69261-3	Water	20140205		Stage 2B							

TABLE I - Sample Cross-Reference

SDG	Client Sample ID	Lab Sample ID	Matrix	Sample Date	QC Type	Validation Level	NH_3-N (350.1)	OPO_4-PO_4 OPO_4-P (SM4500PE/365.1)	Phenols (420.1)	TIN NO_3/NO_2-N (CALC)	CAB (SM1030E)	Alkalinity (SM2320B)	Spec. Cond. (SM2510)
440-69261-1	PC-144	440-69261-2	Water	20140205		Stage 2B							
440-69261-1	PC-148	440-69261-4	Water	20140205		Stage 2B							
440-69261-1	PC-149	440-69261-5	Water	20140205		Stage 2B							
440-69261-1	PC-150	440-69261-6	Water	20140205		Stage 2B							
440-69261-1	PC-54	440-69261-7	Water	20140205		Stage 2B							
440-69261-1	PC-54DUP	440-69261-7DUP	Water	20140205	DUP	Stage 2B							
440-69261-1	PC-71	440-69261-9	Water	20140205		Stage 2B							
440-69261-1	VD-2	440-69261-13	Water	20140205	FD11	Stage 2B							
440-69261-1	VD-2DUP	440-69261-13DUP	Water	20140205	DUP	Stage 2B							
440-69262-1	I-X	440-69262-1	Water	20140205		Stage 2B							
440-69262-1	I-XMS	440-69262-1MS	Water	20140205	MS	Stage 2B							
440-69262-1	I-XMSD	440-69262-1MSD	Water	20140205	MSD	Stage 2B							
440-69440-1	EB-1	440-69440-1	Water	20140206	EB	Stage 2B							
440-69440-1	EB-1DUP	440-69440-1DUP	Water	20140206	DUP	Stage 2B							
440-69440-1	EB-1MS	440-69440-1MS	Water	20140206	MS	Stage 2B							
440-69440-1	EB-1MSD	440-69440-1MSD	Water	20140206	MSD	Stage 2B							
440-69440-1	M-131	440-69440-2	Water	20140206		Stage 2B							
440-69440-1	M-131MS	440-69440-2MS	Water	20140206	MS	Stage 2B							
440-69440-1	M-131MSD	440-69440-2MSD	Water	20140206	MSD	Stage 2B							
440-69440-1	M-135	440-69440-15	Water	20140206	FD12	Stage 2B							
440-69440-1	M-23	440-69440-7	Water	20140206		Stage 2B							
440-69440-1	M-64	440-69440-8	Water	20140206		Stage 2B							
440-69440-1	M-65	440-69440-9	Water	20140206		Stage 2B							
440-69440-1	M-66	440-69440-10	Water	20140206		Stage 2B							
440-69440-1	M-70	440-69440-12	Water	20140206		Stage 2B							
440-69440-1	M-71	440-69440-13	Water	20140206		Stage 2B							
440-69440-1	M-72	440-69440-14	Water	20140206		Stage 2B							
440-69440-1	M-79	440-69440-11	Water	20140206		Stage 2B							
440-69440-1	M-79MS	440-69440-11MS	Water	20140206	MS	Stage 2B							
440-69440-1	M-79MSD	440-69440-11MSD	Water	20140206	MSD	Stage 2B							
440-69440-1	PC-37	440-69440-6	Water	20140206		Stage 2B							
440-69440-1	PC-72	440-69440-4	Water	20140206		Stage 2B							
440-69440-1	PC-73	440-69440-5	Water	20140206		Stage 2B							
440-69440-1	VD-3	440-69440-3	Water	20140206	FD12	Stage 2B							
440-69445-1	I-AB	440-69445-1	Water	20140206		Stage 2B							
440-69445-1	I-ABMS	440-69445-1MS	Water	20140206	MS	Stage 2B							
440-69445-1	I-ABMSD	440-69445-1MSD	Water	20140206	MSD	Stage 2B							
440-69677-1	M-12A	440-69677-1	Water	20140207	FD14	Stage 2B							
440-69677-1	M-12ADUP	440-69677-1DUP	Water	20140207	DUP	Stage 2B							
440-69677-1	M-12AMS	440-69677-1MS	Water	20140207	MS	Stage 2B							
440-69677-1	M-12AMSD	440-69677-1MSD	Water	20140207	MSD	Stage 2B							

TABLE I - Sample Cross-Reference

SDG	Client Sample ID	Lab Sample ID	Matrix	Sample Date	QC Type	Validation Level	NH_3-N (350.1)	OPO_4-PO_4 OPO_4-P (SM4500PE/365.1)	Phenols (420.1)	TIN NO_3/NO_2-N (CALC)	CAB (SM1030E)	Alkalinity (SM2320B)	Spec. Cond. (SM2510)
440-69677-1	M-37	440-69677-2	Water	20140207		Stage 2B							
440-69677-1	M-38	440-69677-3	Water	20140207		Stage 2B							
440-69677-1	VD-5	440-69677-4	Water	20140207	FD14	Stage 2B							
440-69678-1	EB-2	440-69678-11	Water	20140207	EB	Stage 4							
440-69678-1	I-AC	440-69678-1	Water	20140207		Stage 4							
440-69678-1	I-AD	440-69678-2	Water	20140207		Stage 4							
440-69678-1	I-K	440-69678-4	Water	20140207		Stage 4							
440-69678-1	I-V	440-69678-7	Water	20140207		Stage 4							
440-69678-1	I-VMS	440-69678-7MS	Water	20140207	MS	Stage 4							
440-69678-1	I-VMSD	440-69678-7MSD	Water	20140207	MSD	Stage 4							
440-69678-1	M-68	440-69678-3	Water	20140207	FD13	Stage 4							
440-69678-1	M-73	440-69678-6	Water	20140207		Stage 4							
440-69678-1	M-74	440-69678-5	Water	20140207		Stage 4							
440-69678-1	M-80	440-69678-9	Water	20140207		Stage 4							
440-69678-1	M-80MS	440-69678-9MS	Water	20140207	MS	Stage 4							
440-69678-1	M-80MSD	440-69678-9MSD	Water	20140207	MSD	Stage 4							
440-69678-1	M-81A	440-69678-8	Water	20140207		Stage 4							
440-69678-1	M-83	440-69678-10	Water	20140207		Stage 4							
440-69678-1	VD-4	440-69678-12	Water	20140207	FD13	Stage 4							
440-69679-1	I-Y	440-69679-1	Water	20140207		Stage 2B							
440-69679-1	I-YMS	440-69679-1MS	Water	20140207	MS	Stage 2B							
440-69679-1	I-YMSD	440-69679-1MSD	Water	20140207	MSD	Stage 2B							
440-69680-1	I-W	440-69680-1	Water	20140207		Stage 4							
440-69696-1	I-I	440-69696-8	Water	20140207		Stage 2B							
440-69696-1	I-J	440-69696-10	Water	20140207		Stage 2B							
440-69696-1	I-Z	440-69696-9	Water	20140207		Stage 2B							
440-69696-1	M-14A	440-69696-2	Water	20140207		Stage 2B							
440-69696-1	M-19	440-69696-7	Water	20140207		Stage 2B							
440-69696-1	M-22A	440-69696-4	Water	20140207		Stage 2B							
440-69696-1	M-25	440-69696-3	Water	20140207		Stage 2B							
440-69696-1	M-35	440-69696-6	Water	20140207		Stage 2B							
440-69696-1	M-52	440-69696-5	Water	20140207		Stage 2B							
440-69696-1	M-57A	440-69696-1	Water	20140207		Stage 2B							
440-69696-1	M-57ADUP	440-69696-1DUP	Water	20140207	DUP	Stage 2B							
440-69696-1	M-57AMS	440-69696-1MS	Water	20140207	MS	Stage 2B							
440-69696-1	M-57AMSD	440-69696-1MSD	Water	20140207	MSD	Stage 2B							
440-69696-1	M-67	440-69696-11	Water	20140207		Stage 2B							
440-69696-1	M-67DUP	440-69696-11DUP	Water	20140207	DUP	Stage 2B							
440-69696-1	M-67MS	440-69696-11MS	Water	20140207	MS	Stage 2B							
440-69696-1	M-67MSD	440-69696-11MSD	Water	20140207	MSD	Stage 2B							
440-69820-1	I-AA	440-69820-3	Water	20140210		Stage 2B							

TABLE I - Sample Cross-Reference

SDG	Client Sample ID	Lab Sample ID	Matrix	Sample Date	QC Type	Validation Level	NH_3-N (350.1)	OPO_4-PO_4 OPO_4-P (SM4500PE/365.1)	Phenols (420.1)	TIN NO_3/NO_2-N (CALC)	CAB (SM1030E)	Alkalinity (SM2320B)	Spec. Cond. (SM2510)
440-69820-1	I-AB	440-69820-4	Water	20140210		Stage 2B							
440-69820-1	I-X	440-69820-1	Water	20140210		Stage 2B							
440-69820-1	I-XMS	440-69820-1MS	Water	20140210	MS	Stage 2B							
440-69820-1	I-XMSD	440-69820-1MSD	Water	20140210	MSD	Stage 2B							
440-69820-1	I-Y	440-69820-2	Water	20140210		Stage 2B							
440-69820-1	M-99	440-69820-5	Water	20140210		Stage 2B							
440-70243-1	PC-56	440-70243-6	Water	20140212		Stage 2B							
440-70243-1	PC-58	440-70243-5	Water	20140212		Stage 2B							
440-70243-1	PC-59	440-70243-8	Water	20140212		Stage 2B							
440-70243-1	PC-60	440-70243-7	Water	20140212		Stage 2B							
440-70243-1	PC-62	440-70243-9	Water	20140212		Stage 2B							
440-70243-1	PC-68	440-70243-10	Water	20140212		Stage 2B							
440-70243-1	PC-86	440-70243-11	Water	20140212		Stage 2B							
440-70243-1	PC-86MS	440-70243-11MS	Water	20140212	MS	Stage 2B							
440-70243-1	PC-86MSD	440-70243-11MSD	Water	20140212	MSD	Stage 2B							
440-70243-1	PC-90	440-70243-2	Water	20140212		Stage 2B							
440-70243-1	PC-91	440-70243-12	Water	20140212		Stage 2B							
440-70243-1	PC-92	440-70243-3	Water	20140212		Stage 2B							
440-70243-1	PC-92DUP	440-70243-3DUP	Water	20140212	DUP	Stage 2B							
440-70243-1	PC-94	440-70243-4	Water	20140212		Stage 2B							
440-70243-1	PC-94DUP	440-70243-4DUP	Water	20140212	DUP	Stage 2B							
440-70243-1	PC-97	440-70243-1	Water	20140212		Stage 2B							
440-70243-1	PC-97MS	440-70243-1MS	Water	20140212	MS	Stage 2B							
440-70243-1	PC-97MSD	440-70243-1MSD	Water	20140212	MSD	Stage 2B							
440-70245-1	I-W	440-70245-1	Water	20140211		Stage 2B							
440-70245-1	I-WMS	440-70245-1MS	Water	20140211	MS	Stage 2B							
440-70245-1	I-WMSD	440-70245-1MSD	Water	20140211	MSD	Stage 2B							
440-70245-1	M-69	440-70245-2	Water	20140212		Stage 2B							
440-70421-1	PC-136	440-70421-1	Water	20140213		Stage 2B							
440-70423-1	ARP-2A	440-70423-12	Water	20140213		Stage 2B							
440-70423-1	ARP-3A	440-70423-11	Water	20140213		Stage 2B							
440-70423-1	ARP-4A	440-70423-8	Water	20140213		Stage 2B							
440-70423-1	ARP-4AMS	440-70423-8MS	Water	20140213	MS	Stage 2B							
440-70423-1	ARP-4AMSD	440-70423-8MSD	Water	20140213	MSD	Stage 2B							
440-70423-1	ARP-5A	440-70423-7	Water	20140213		Stage 2B							
440-70423-1	ARP-6B	440-70423-6	Water	20140213		Stage 2B							
440-70423-1	ARP-7	440-70423-5	Water	20140213		Stage 2B							
440-70423-1	ART-7B	440-70423-1	Water	20140213		Stage 2B							
440-70423-1	EB-1	440-70423-15	Water	20140213	EB	Stage 2B							
440-70423-1	MW-K4	440-70423-10	Water	20140213		Stage 2B							
440-70423-1	MW-K4DUP	440-70423-10DUP	Water	20140213	DUP	Stage 2B							

TABLE I - Sample Cross-Reference

SDG	Client Sample ID	Lab Sample ID	Matrix	Sample Date	QC Type	Validation Level	NH_3-N (350.1)	OPO_4-PO_4 OPO_4-P (SM4500PE/365.1)	Phenols (420.1)	TIN NO_3/NO_2-N (CALC)	CAB (SM1030E)	Alkalinity (SM2320B)	Spec. Cond. (SM2510)
440-70423-1	MW-K5	440-70423-4	Water	20140213		Stage 2B							
440-70423-1	PC-101R	440-70423-9	Water	20140213		Stage 2B							
440-70423-1	PC-101RDUP	440-70423-9DUP	Water	20140213	DUP	Stage 2B							
440-70423-1	PC-103	440-70423-13	Water	20140213		Stage 2B							
440-70423-1	PC-122	440-70423-2	Water	20140213		Stage 2B							
440-70423-1	PC-53	440-70423-3	Water	20140213		Stage 2B							
440-70423-1	PC-53MS	440-70423-3MS	Water	20140213	MS	Stage 2B							
440-70423-1	PC-53MSD	440-70423-3MSD	Water	20140213	MSD	Stage 2B							
440-70423-1	PC-98R	440-70423-14	Water	20140213		Stage 2B							
440-70471-1	ARP-1	440-70471-3	Water	20140214		Stage 2B							
440-70471-1	PC-18	440-70471-1	Water	20140214		Stage 2B							
440-70471-1	PC-18DUP	440-70471-1DUP	Water	20140214	DUP	Stage 2B							
440-70471-1	PC-18MS	440-70471-1MS	Water	20140214	MS	Stage 2B							
440-70471-1	PC-55	440-70471-2	Water	20140214		Stage 2B							
440-72444-1	ART-1	440-72444-1	Water	20140303		Stage 2B							
440-72444-1	ART-1DUP	440-72444-1DUP	Water	20140303	DUP	Stage 2B							
440-72444-1	ART-2	440-72444-2	Water	20140303		Stage 2B							
440-72444-1	ART-3	440-72444-3	Water	20140303		Stage 2B							
440-72444-1	ART-4	440-72444-4	Water	20140303		Stage 2B							
440-72444-1	ART-7	440-72444-5	Water	20140303		Stage 2B							
440-72444-1	ART-8	440-72444-6	Water	20140303		Stage 2B							
440-72444-1	ART-9	440-72444-7	Water	20140303		Stage 2B							
440-72598-1	ART-6	440-72598-10	Water	20140306		Stage 2B							
440-72598-1	ART-6DUP	440-72598-10DUP	Water	20140306	DUP	Stage 2B							
440-72598-1	PC-115R	440-72598-6	Water	20140306		Stage 2B							
440-72598-1	PC-116R	440-72598-5	Water	20140306		Stage 2B							
440-72598-1	PC-117	440-72598-2	Water	20140306		Stage 2B							
440-72598-1	PC-118	440-72598-4	Water	20140306		Stage 2B							
440-72598-1	PC-119	440-72598-3	Water	20140306		Stage 2B							
440-72598-1	PC-120	440-72598-9	Water	20140306		Stage 2B							
440-72598-1	PC-121	440-72598-8	Water	20140306		Stage 2B							
440-72598-1	PC-133	440-72598-1	Water	20140306		Stage 2B							
440-72598-1	PC-99R2/R3	440-72598-7	Water	20140306		Stage 2B							
440-73141-1	ARP-1	440-73141-13	Water	20140312		Stage 2B							
440-73141-1	EB-1	440-73141-7	Water	20140312	EB	Stage 2B							
440-73141-1	PC-18	440-73141-12	Water	20140312		Stage 2B							
440-73141-1	PC-18DUP	440-73141-12DUP	Water	20140312	DUP	Stage 2B							
440-73141-1	PC-56	440-73141-5	Water	20140312		Stage 2B							
440-73141-1	PC-58	440-73141-4	Water	20140312		Stage 2B							
440-73141-1	PC-59	440-73141-8	Water	20140312		Stage 2B							
440-73141-1	PC-60	440-73141-6	Water	20140312		Stage 2B							

TABLE I - Sample Cross-Reference

SDG	Client Sample ID	Lab Sample ID	Matrix	Sample Date	QC Type	Validation Level	NH_3-N (350.1)	OPO_4-PO_4 OPO_4-P (SM4500PE/365.1)	Phenols (420.1)	TIN NO_3/NO_2-N (CALC)	CAB (SM1030E)	Alkalinity (SM2320B)	Spec. Cond. (SM2510)
440-73141-1	PC-62	440-73141-9	Water	20140312		Stage 2B							
440-73141-1	PC-68	440-73141-10	Water	20140312		Stage 2B							
440-73141-1	PC-86	440-73141-11	Water	20140312		Stage 2B							
440-73141-1	PC-90	440-73141-2	Water	20140312		Stage 2B							
440-73141-1	PC-91	440-73141-3	Water	20140312		Stage 2B							
440-73141-1	PC-97	440-73141-1	Water	20140312		Stage 2B							
440-73141-1	PC-97DUP	440-73141-1DUP	Water	20140312	DUP	Stage 2B							
440-73280-1	ARP-2A	440-73280-11	Water	20140313		Stage 2B							
440-73280-1	ARP-2ADUP	440-73280-11DUP	Water	20140313	DUP	Stage 2B							
440-73280-1	ARP-3A	440-73280-10	Water	20140313		Stage 2B							
440-73280-1	ARP-4A	440-73280-7	Water	20140313		Stage 2B							
440-73280-1	ARP-5A	440-73280-6	Water	20140313		Stage 2B							
440-73280-1	ARP-6B	440-73280-5	Water	20140313		Stage 2B							
440-73280-1	ARP-7	440-73280-4	Water	20140313		Stage 2B							
440-73280-1	M-83	440-73280-15	Water	20140313		Stage 2B							
440-73280-1	MW-K4	440-73280-9	Water	20140313		Stage 2B							
440-73280-1	MW-K5	440-73280-3	Water	20140313		Stage 2B							
440-73280-1	PC-101R	440-73280-8	Water	20140313		Stage 2B							
440-73280-1	PC-103	440-73280-12	Water	20140313		Stage 2B							
440-73280-1	PC-122	440-73280-1	Water	20140313		Stage 2B							
440-73280-1	PC-122DUP	440-73280-1DUP	Water	20140313	DUP	Stage 2B							
440-73280-1	PC-53	440-73280-2	Water	20140313		Stage 2B							
440-73280-1	PC-55	440-73280-14	Water	20140313		Stage 2B							
440-73280-1	PC-98R	440-73280-13	Water	20140313		Stage 2B							
440-75214-1	ART-1	440-75214-1	Water	20140407		Stage 2B							
440-75214-1	ART-2	440-75214-2	Water	20140407		Stage 2B							
440-75214-1	ART-3	440-75214-3	Water	20140407		Stage 2B							
440-75214-1	ART-4	440-75214-4	Water	20140407		Stage 2B							
440-75214-1	ART-6	440-75214-5	Water	20140407		Stage 2B							
440-75214-1	ART-7	440-75214-6	Water	20140407		Stage 2B							
440-75214-1	ART-8	440-75214-7	Water	20140407		Stage 2B							
440-75214-1	ART-9	440-75214-8	Water	20140407		Stage 2B							
440-75214-1	PC-115R	440-75214-10	Water	20140407		Stage 2B							
440-75214-1	PC-116R	440-75214-11	Water	20140407		Stage 2B							
440-75214-1	PC-117	440-75214-12	Water	20140407		Stage 2B							
440-75214-1	PC-118	440-75214-13	Water	20140407		Stage 2B							
440-75214-1	PC-119	440-75214-14	Water	20140407		Stage 2B							
440-75214-1	PC-120	440-75214-15	Water	20140407		Stage 2B							
440-75214-1	PC-121	440-75214-16	Water	20140407		Stage 2B							
440-75214-1	PC-133	440-75214-17	Water	20140407		Stage 2B							
440-75214-1	PC-99R2/R3	440-75214-9	Water	20140407		Stage 2B							

TABLE I - Sample Cross-Reference

SDG	Client Sample ID	Lab Sample ID	Matrix	Sample Date	QC Type	Validation Level	NH_3-N (350.1)	OPO_4-PO_4 OPO_4-P (SM4500PE/365.1)	Phenols (420.1)	TIN NO_3/NO_2-N (CALC)	CAB (SM1030E)	Alkalinity (SM2320B)	Spec. Cond. (SM2510)
440-76132-1	EB-1	440-76132-7	Water	20140416	EB	Stage 2B							
440-76132-1	PC-55	440-76132-12	Water	20140416		Stage 2B							
440-76132-1	PC-55DUP	440-76132-12DUP	Water	20140416	DUP	Stage 2B							
440-76132-1	PC-56	440-76132-5	Water	20140416		Stage 2B							
440-76132-1	PC-58	440-76132-4	Water	20140416		Stage 2B							
440-76132-1	PC-59	440-76132-8	Water	20140416		Stage 2B							
440-76132-1	PC-60	440-76132-6	Water	20140416		Stage 2B							
440-76132-1	PC-62	440-76132-9	Water	20140416		Stage 2B							
440-76132-1	PC-68	440-76132-10	Water	20140416		Stage 2B							
440-76132-1	PC-86	440-76132-11	Water	20140416		Stage 2B							
440-76132-1	PC-90	440-76132-2	Water	20140416		Stage 2B							
440-76132-1	PC-91	440-76132-3	Water	20140416		Stage 2B							
440-76132-1	PC-97	440-76132-1	Water	20140416		Stage 2B							
440-76132-1	PC-97DUP	440-76132-1DUP	Water	20140416	DUP	Stage 2B							
440-76251-1	ARP-2A	440-76251-10	Water	20140417		Stage 2B							
440-76251-1	ARP-2ADUP	440-76251-10DUP	Water	20140417	DUP	Stage 2B							
440-76251-1	ARP-3A	440-76251-9	Water	20140417		Stage 2B							
440-76251-1	ARP-4A	440-76251-6	Water	20140417		Stage 2B							
440-76251-1	ARP-5A	440-76251-5	Water	20140417		Stage 2B							
440-76251-1	ARP-6B	440-76251-4	Water	20140417		Stage 2B							
440-76251-1	ARP-7	440-76251-3	Water	20140417		Stage 2B							
440-76251-1	MW-K4	440-76251-8	Water	20140417		Stage 2B							
440-76251-1	MW-K5	440-76251-2	Water	20140417		Stage 2B							
440-76251-1	PC-101R	440-76251-7	Water	20140417		Stage 2B							
440-76251-1	PC-103	440-76251-11	Water	20140417		Stage 2B							
440-76251-1	PC-53	440-76251-1	Water	20140417		Stage 2B							
440-76251-1	PC-98R	440-76251-12	Water	20140417		Stage 2B							
440-76253-1	ARP-1	440-76253-2	Water	20140417		Stage 2B							
440-76253-1	M-83	440-76253-3	Water	20140417		Stage 2B							
440-76253-1	PC-18	440-76253-1	Water	20140417		Stage 2B							
440-77513-1	DUP-1	440-77513-24	Water	20140505	FD1	Stage 2B							
440-77513-1	I-AA	440-77513-22	Water	20140505		Stage 2B							
440-77513-1	I-AB	440-77513-21	Water	20140505		Stage 2B							
440-77513-1	I-ABDUP	440-77513-21DUP	Water	20140505	DUP	Stage 2B							
440-77513-1	I-AR	440-77513-23	Water	20140505		Stage 2B							
440-77513-1	I-B	440-77513-20	Water	20140505		Stage 2B							
440-77513-1	I-BDUP	440-77513-20DUP	Water	20140505	DUP	Stage 2B							
440-77513-1	I-C	440-77513-15	Water	20140505		Stage 2B							
440-77513-1	I-D	440-77513-14	Water	20140505		Stage 2B							
440-77513-1	I-E	440-77513-12	Water	20140505		Stage 2B							
440-77513-1	I-F	440-77513-9	Water	20140505		Stage 2B							

TABLE I - Sample Cross-Reference

SDG	Client Sample ID	Lab Sample ID	Matrix	Sample Date	QC Type	Validation Level	NH_3-N (350.1)	OPO_4-PO_4 OPO_4-P (SM4500PE/365.1)	Phenols (420.1)	TIN NO_3/NO_2-N (CALC)	CAB (SM1030E)	Alkalinity (SM2320B)	Spec. Cond. (SM2510)
440-77513-1	I-G	440-77513-7	Water	20140505		Stage 2B							
440-77513-1	I-H	440-77513-4	Water	20140505		Stage 2B							
440-77513-1	I-L	440-77513-17	Water	20140505	FD1	Stage 2B							
440-77513-1	I-M	440-77513-13	Water	20140505		Stage 2B							
440-77513-1	I-N	440-77513-11	Water	20140505		Stage 2B							
440-77513-1	I-NDUP	440-77513-11DUP	Water	20140505	DUP	Stage 2B							
440-77513-1	I-NMS	440-77513-11MS	Water	20140505	MS	Stage 2B							
440-77513-1	I-NMSD	440-77513-11MSD	Water	20140505	MSD	Stage 2B							
440-77513-1	I-O	440-77513-1	Water	20140505		Stage 2B							
440-77513-1	I-ODUP	440-77513-1DUP	Water	20140505	DUP	Stage 2B							
440-77513-1	I-OMS	440-77513-1MS	Water	20140505	MS	Stage 2B							
440-77513-1	I-OMSD	440-77513-1MSD	Water	20140505	MSD	Stage 2B							
440-77513-1	I-P	440-77513-3	Water	20140505		Stage 2B							
440-77513-1	I-Q	440-77513-8	Water	20140505		Stage 2B							
440-77513-1	I-R	440-77513-19	Water	20140505		Stage 2B							
440-77513-1	I-S	440-77513-16	Water	20140505		Stage 2B							
440-77513-1	I-T	440-77513-6	Water	20140505		Stage 2B							
440-77513-1	I-U	440-77513-5	Water	20140505		Stage 2B							
440-77513-1	I-W	440-77513-2	Water	20140505		Stage 2B							
440-77513-1	I-X	440-77513-10	Water	20140505		Stage 2B							
440-77513-1	I-Y	440-77513-18	Water	20140505		Stage 2B							
440-77515-1	ART-1	440-77515-1	Water	20140505		Stage 2B							
440-77515-1	ART-1DUP	440-77515-1DUP	Water	20140505	DUP	Stage 2B							
440-77515-1	ART-1MS	440-77515-1MS	Water	20140505	MS	Stage 2B							
440-77515-1	ART-1MSD	440-77515-1MSD	Water	20140505	MSD	Stage 2B							
440-77515-1	ART-2	440-77515-2	Water	20140505		Stage 2B							
440-77515-1	ART-3	440-77515-3	Water	20140505		Stage 2B							
440-77515-1	ART-4	440-77515-4	Water	20140505		Stage 2B							
440-77515-1	ART-7	440-77515-5	Water	20140505		Stage 2B							
440-77515-1	ART-8	440-77515-6	Water	20140505		Stage 2B							
440-77515-1	ART-9	440-77515-7	Water	20140505		Stage 2B							
440-77515-1	PC-115R	440-77515-9	Water	20140505		Stage 2B							
440-77515-1	PC-116R	440-77515-10	Water	20140505		Stage 2B							
440-77515-1	PC-117	440-77515-11	Water	20140505		Stage 2B							
440-77515-1	PC-117DUP	440-77515-11DUP	Water	20140505	DUP	Stage 2B							
440-77515-1	PC-117MS	440-77515-11MS	Water	20140505	MS	Stage 2B							
440-77515-1	PC-117MSD	440-77515-11MSD	Water	20140505	MSD	Stage 2B							
440-77515-1	PC-118	440-77515-12	Water	20140505		Stage 2B							
440-77515-1	PC-119	440-77515-13	Water	20140505		Stage 2B							
440-77515-1	PC-120	440-77515-14	Water	20140505		Stage 2B							
440-77515-1	PC-121	440-77515-15	Water	20140505		Stage 2B							

TABLE I - Sample Cross-Reference

SDG	Client Sample ID	Lab Sample ID	Matrix	Sample Date	QC Type	Validation Level	NH_3-N (350.1)	OPO_4-PO_4 OPO_4-P (SM4500PE/365.1)	Phenols (420.1)	TIN NO_3/NO_2-N (CALC)	CAB (SM1030E)	Alkalinity (SM2320B)	Spec. Cond. (SM2510)
440-77515-1	PC-133	440-77515-16	Water	20140505		Stage 2B							
440-77515-1	PC-133DUP	440-77515-16DUP	Water	20140505	DUP	Stage 2B							
440-77515-1	PC-99R2/R3	440-77515-8	Water	20140505		Stage 2B							
440-77661-1	DUP-2	440-77661-20	Water	20140506	FD2	Stage 2B							
440-77661-1	EB-1	440-77661-21	Water	20140506	EB	Stage 2B							
440-77661-1	EB-1DUP	440-77661-21DUP	Water	20140506	DUP	Stage 2B							
440-77661-1	EB-1MS	440-77661-21MS	Water	20140506	MS	Stage 2B							
440-77661-1	EB-1MSD	440-77661-21MSD	Water	20140506	MSD	Stage 2B							
440-77661-1	PC-108	440-77661-18	Water	20140506		Stage 2B							
440-77661-1	PC-110	440-77661-19	Water	20140506		Stage 2B							
440-77661-1	PC-123	440-77661-1	Water	20140506		Stage 2B							
440-77661-1	PC-123DUP	440-77661-1DUP	Water	20140506	DUP	Stage 2B							
440-77661-1	PC-123MS	440-77661-1MS	Water	20140506	MS	Stage 2B							
440-77661-1	PC-123MSD	440-77661-1MSD	Water	20140506	MSD	Stage 2B							
440-77661-1	PC-124	440-77661-8	Water	20140506		Stage 2B							
440-77661-1	PC-124DUP	440-77661-8DUP	Water	20140506	DUP	Stage 2B							
440-77661-1	PC-125	440-77661-9	Water	20140506		Stage 2B							
440-77661-1	PC-126	440-77661-10	Water	20140506		Stage 2B							
440-77661-1	PC-127	440-77661-12	Water	20140506		Stage 2B							
440-77661-1	PC-128	440-77661-2	Water	20140506		Stage 2B							
440-77661-1	PC-128MS	440-77661-2MS	Water	20140506	MS	Stage 2B							
440-77661-1	PC-128MSD	440-77661-2MSD	Water	20140506	MSD	Stage 2B							
440-77661-1	PC-129	440-77661-3	Water	20140506		Stage 2B							
440-77661-1	PC-130	440-77661-4	Water	20140506		Stage 2B							
440-77661-1	PC-131	440-77661-6	Water	20140506		Stage 2B							
440-77661-1	PC-132	440-77661-7	Water	20140506	FD2	Stage 2B							
440-77661-1	PC-132DUP	440-77661-7DUP	Water	20140506	DUP	Stage 2B							
440-77661-1	PC-24	440-77661-11	Water	20140506		Stage 2B							
440-77661-1	PC-24DUP	440-77661-11DUP	Water	20140506	DUP	Stage 2B							
440-77661-1	PC-24MS	440-77661-11MS	Water	20140506	MS	Stage 2B							
440-77661-1	PC-24MSD	440-77661-11MSD	Water	20140506	MSD	Stage 2B							
440-77661-1	PC-50	440-77661-5	Water	20140506		Stage 2B							
440-77661-1	PC-74	440-77661-13	Water	20140506		Stage 2B							
440-77661-1	PC-77	440-77661-14	Water	20140506		Stage 2B							
440-77661-1	PC-79	440-77661-15	Water	20140506		Stage 2B							
440-77661-1	PC-82	440-77661-16	Water	20140506		Stage 2B							
440-77661-1	PC-96	440-77661-17	Water	20140506		Stage 2B							
440-77893-1	ART-6	440-77893-19	Water	20140507		Stage 4							
440-77893-1	DUP-3	440-77893-18	Water	20140507	FD3	Stage 4							
440-77893-1	HM-2	440-77893-20	Water	20140507		Stage 4							
440-77893-1	HM-2DUP	440-77893-20DUP	Water	20140507	DUP	Stage 4							

TABLE I - Sample Cross-Reference

SDG	Client Sample ID	Lab Sample ID	Matrix	Sample Date	QC Type	Validation Level	NH_3-N (350.1)	OPO_4-PO_4 OPO_4-P (SM4500PE/365.1)	Phenols (420.1)	TIN NO_3/NO_2-N (CALC)	CAB (SM1030E)	Alkalinity (SM2320B)	Spec. Cond. (SM2510)
440-77893-1	HMW-13	440-77893-16	Water	20140507		Stage 4							
440-77893-1	HMW-14	440-77893-15	Water	20140507		Stage 4							
440-77893-1	HMW-15	440-77893-14	Water	20140507		Stage 4							
440-77893-1	HMW-16	440-77893-13	Water	20140507		Stage 4							
440-77893-1	PC-107	440-77893-17	Water	20140507		Stage 4							
440-77893-1	PC-134A	440-77893-11	Water	20140507		Stage 4							
440-77893-1	PC-134ADUP	440-77893-11DUP	Water	20140507	DUP	Stage 4							
440-77893-1	PC-134AMS	440-77893-11MS	Water	20140507	MS	Stage 4							
440-77893-1	PC-134AMSD	440-77893-11MSD	Water	20140507	MSD	Stage 4							
440-77893-1	PC-135A	440-77893-12	Water	20140507		Stage 4							
440-77893-1	PC-136	440-77893-8	Water	20140507		Stage 4							
440-77893-1	PC-137	440-77893-7	Water	20140507		Stage 4							
440-77893-1	PC-142	440-77893-5	Water	20140507	FD3	Stage 4							
440-77893-1	PC-143	440-77893-4	Water	20140507		Stage 4							
440-77893-1	PC-144	440-77893-10	Water	20140507		Stage 4							
440-77893-1	PC-145	440-77893-6	Water	20140507		Stage 4							
440-77893-1	PC-148	440-77893-1	Water	20140507		Stage 4							
440-77893-1	PC-148DUP	440-77893-1DUP	Water	20140507	DUP	Stage 4							
440-77893-1	PC-148MS	440-77893-1MS	Water	20140507	MS	Stage 4							
440-77893-1	PC-148MSD	440-77893-1MSD	Water	20140507	MSD	Stage 4							
440-77893-1	PC-149	440-77893-2	Water	20140507		Stage 4							
440-77893-1	PC-150	440-77893-3	Water	20140507		Stage 4							
440-77893-1	PC-2	440-77893-9	Water	20140507		Stage 4							
440-77965-1	AA-01	440-77965-22	Water	20140508		Stage 2B							
440-77965-1	DUP-4	440-77965-21	Water	20140508	FD4	Stage 2B							
440-77965-1	EB-2	440-77965-12	Water	20140508	EB	Stage 2B							
440-77965-1	H-48	440-77965-14	Water	20140508		Stage 2B							
440-77965-1	H-58A	440-77965-15	Water	20140508		Stage 2B							
440-77965-1	M-44	440-77965-19	Water	20140508	FD4	Stage 2B							
440-77965-1	M-48A	440-77965-9	Water	20140508		Stage 2B							
440-77965-1	M-95	440-77965-20	Water	20140508		Stage 2B							
440-77965-1	MC-65	440-77965-11	Water	20140508		Stage 2B							
440-77965-1	MC-65DUP	440-77965-11DUP	Water	20140508	DUP	Stage 2B							
440-77965-1	MC-65MS	440-77965-11MS	Water	20140508	MS	Stage 2B							
440-77965-1	MC-65MSD	440-77965-11MSD	Water	20140508	MSD	Stage 2B							
440-77965-1	PC-21A	440-77965-8	Water	20140508		Stage 2B							
440-77965-1	PC-28	440-77965-1	Water	20140508		Stage 2B							
440-77965-1	PC-28DUP	440-77965-1DUP	Water	20140508	DUP	Stage 2B							
440-77965-1	PC-28MS	440-77965-1MS	Water	20140508	MS	Stage 2B							
440-77965-1	PC-28MSD	440-77965-1MSD	Water	20140508	MSD	Stage 2B							
440-77965-1	PC-31	440-77965-2	Water	20140508		Stage 2B							

TABLE I - Sample Cross-Reference

SDG	Client Sample ID	Lab Sample ID	Matrix	Sample Date	QC Type	Validation Level	NH_3-N (350.1)	OPO_4-PO_4 OPO_4-P (SM4500PE/365.1)	Phenols (420.1)	TIN NO_3/NO_2-N (CALC)	CAB (SM1030E)	Alkalinity (SM2320B)	Spec. Cond. (SM2510)
440-77965-1	PC-37	440-77965-10	Water	20140508		Stage 2B							
440-77965-1	PC-40	440-77965-13	Water	20140508		Stage 2B							
440-77965-1	PC-54	440-77965-7	Water	20140508		Stage 2B							
440-77965-1	PC-64	440-77965-3	Water	20140508		Stage 2B							
440-77965-1	PC-65	440-77965-4	Water	20140508		Stage 2B							
440-77965-1	PC-66	440-77965-5	Water	20140508		Stage 2B							
440-77965-1	PC-67	440-77965-6	Water	20140508		Stage 2B							
440-77965-1	PC-71	440-77965-18	Water	20140508		Stage 2B							
440-77965-1	PC-72	440-77965-17	Water	20140508		Stage 2B							
440-77965-1	PC-72DUP	440-77965-17DUP	Water	20140508	DUP	Stage 2B							
440-77965-1	PC-73	440-77965-16	Water	20140508		Stage 2B							
440-78104-1	FB-1_2	440-78104-1	Water	2E+07	FB	Stage 2B							
440-78114-1	H-28A	440-78114-1	Water	20140509		Stage 2B			X				X
440-78114-1	H-28AMS	440-78114-1MS	Water	20140509	MS	Stage 2B			X				
440-78114-1	H-28AMSD	440-78114-1MSD	Water	20140509	MSD	Stage 2B			X				
440-78114-1	M-6A	440-78114-2	Water	20140509		Stage 2B			X				X
440-78114-1	M-6AMS	440-78114-2MS	Water	20140509	MS	Stage 2B			X				
440-78114-1	M-6AMSD	440-78114-2MSD	Water	20140509	MSD	Stage 2B			X				
440-78118-1	FB-1_2	440-78118-13	Water	20140509	FB	Stage 2B							
440-78118-1	M-23	440-78118-12	Water	20140509		Stage 2B							
440-78118-1	M-23DUP	440-78118-12DUP	Water	20140509	DUP	Stage 2B							
440-78118-1	MC-29	440-78118-4	Water	20140509		Stage 2B							
440-78118-1	MC-3	440-78118-1	Water	20140509		Stage 2B							
440-78118-1	MC-3DUP	440-78118-1DUP	Water	20140509	DUP	Stage 2B							
440-78118-1	MC-45	440-78118-5	Water	20140509		Stage 2B							
440-78118-1	MC-45DUP	440-78118-5DUP	Water	20140509	DUP	Stage 2B							
440-78118-1	MC-50	440-78118-6	Water	20140509		Stage 2B							
440-78118-1	MC-51	440-78118-7	Water	20140509		Stage 2B							
440-78118-1	MC-53	440-78118-8	Water	20140509		Stage 2B							
440-78118-1	MC-53MS	440-78118-8MS	Water	20140509	MS	Stage 2B							
440-78118-1	MC-53MSD	440-78118-8MSD	Water	20140509	MSD	Stage 2B							
440-78118-1	MC-6	440-78118-2	Water	20140509		Stage 2B							
440-78118-1	MC-69	440-78118-9	Water	20140509		Stage 2B							
440-78118-1	MC-7	440-78118-3	Water	20140509		Stage 2B							
440-78118-1	MC-93	440-78118-10	Water	20140509		Stage 2B							
440-78118-1	MC-97	440-78118-11	Water	20140509		Stage 2B							
440-78118-1	MC-97DUP	440-78118-11DUP	Water	20140509	DUP	Stage 2B							
440-78202-1	DUP-5	440-78202-21	Water	20140512	FD5	Stage 2B							
440-78202-1	DUP-5MS	440-78202-21MS	Water	20140512	MS	Stage 2B							
440-78202-1	DUP-5MSD	440-78202-21MSD	Water	20140512	MSD	Stage 2B							
440-78202-1	M-126	440-78202-16	Water	20140512		Stage 2B							

TABLE I - Sample Cross-Reference

SDG	Client Sample ID	Lab Sample ID	Matrix	Sample Date	QC Type	Validation Level	NH_3-N (350.1)	OPO_4-PO_4 OPO_4-P (SM4500PE/365.1)	Phenols (420.1)	TIN NO_3/NO_2-N (CALC)	CAB (SM1030E)	Alkalinity (SM2320B)	Spec. Cond. (SM2510)
440-78202-1	M-131	440-78202-14	Water	20140512		Stage 2B							
440-78202-1	M-134	440-78202-13	Water	20140512		Stage 2B							
440-78202-1	M-135	440-78202-12	Water	20140512		Stage 2B							
440-78202-1	M-136	440-78202-11	Water	20140512		Stage 2B							
440-78202-1	M-136DUP	440-78202-11DUP	Water	20140512	DUP	Stage 2B							
440-78202-1	M-136MS	440-78202-11MS	Water	20140512	MS	Stage 2B							
440-78202-1	M-136MSD	440-78202-11MSD	Water	20140512	MSD	Stage 2B							
440-78202-1	M-140	440-78202-8	Water	20140512		Stage 2B							
440-78202-1	M-14A	440-78202-5	Water	20140512		Stage 2B							
440-78202-1	M-22A	440-78202-4	Water	20140512		Stage 2B							
440-78202-1	M-25	440-78202-18	Water	20140512		Stage 2B							
440-78202-1	M-25DUP	440-78202-18DUP	Water	20140512	DUP	Stage 2B							
440-78202-1	M-37	440-78202-19	Water	20140512		Stage 2B							
440-78202-1	M-38	440-78202-20	Water	20140512		Stage 2B							
440-78202-1	M-57A	440-78202-15	Water	20140512	FD5	Stage 2B							
440-78202-1	M-64	440-78202-1	Water	20140512		Stage 2B							
440-78202-1	M-64DUP	440-78202-1DUP	Water	20140512	DUP	Stage 2B							
440-78202-1	M-65	440-78202-2	Water	20140512		Stage 2B							
440-78202-1	M-65MS	440-78202-2MS	Water	20140512	MS	Stage 2B							
440-78202-1	M-65MSD	440-78202-2MSD	Water	20140512	MSD	Stage 2B							
440-78202-1	M-66	440-78202-3	Water	20140512		Stage 2B							
440-78202-1	M-69	440-78202-10	Water	20140512		Stage 2B							
440-78202-1	M-79	440-78202-9	Water	20140512		Stage 2B							
440-78202-1	M-92	440-78202-6	Water	20140512		Stage 2B							
440-78202-1	M-97	440-78202-7	Water	20140512		Stage 2B							
440-78202-1	MW-16	440-78202-17	Water	20140512		Stage 2B							
440-78211-1	M-5A	440-78211-1	Water	20140512		Stage 2B			X				X
440-78211-1	M-5ADUP	440-78211-1DUP	Water	20140512	DUP	Stage 2B							
440-78211-1	M-7B	440-78211-2	Water	20140512		Stage 2B			X				X
440-78309-1	DUP-6	440-78309-11	Water	20140513	FD6	Stage 2B							
440-78309-1	DUP-6DUP	440-78309-11DUP	Water	20140513	DUP	Stage 2B							
440-78309-1	DUP-6MS	440-78309-11MS	Water	20140513	MS	Stage 2B							
440-78309-1	DUP-6MSD	440-78309-11MSD	Water	20140513	MSD	Stage 2B							
440-78309-1	FB-2	440-78309-12	Water	20140513	FB	Stage 2B							
440-78309-1	FB-2MS	440-78309-12MS	Water	20140513	MS	Stage 2B							
440-78309-1	FB-2MSD	440-78309-12MSD	Water	20140513	MSD	Stage 2B							
440-78309-1	I-AD	440-78309-4	Water	20140513		Stage 2B							
440-78309-1	I-I	440-78309-24	Water	20140513		Stage 2B							
440-78309-1	I-IDUP	440-78309-24DUP	Water	20140513	DUP	Stage 2B							
440-78309-1	I-J	440-78309-2	Water	20140513		Stage 2B							
440-78309-1	I-JDUP	440-78309-2DUP	Water	20140513	DUP	Stage 2B							

TABLE I - Sample Cross-Reference

SDG	Client Sample ID	Lab Sample ID	Matrix	Sample Date	QC Type	Validation Level	NH_3-N (350.1)	OPO_4-PO_4 OPO_4-P (SM4500PE/365.1)	Phenols (420.1)	TIN NO_3/NO_2-N (CALC)	CAB (SM1030E)	Alkalinity (SM2320B)	Spec. Cond. (SM2510)
440-78309-1	I-K	440-78309-3	Water	20140513		Stage 2B							
440-78309-1	I-V	440-78309-23	Water	20140513		Stage 2B							
440-78309-1	I-Z	440-78309-1	Water	20140513		Stage 2B							
440-78309-1	I-ZDUP	440-78309-1DUP	Water	20140513	DUP	Stage 2B							
440-78309-1	I-ZMS	440-78309-1MS	Water	20140513	MS	Stage 2B							
440-78309-1	I-ZMSD	440-78309-1MSD	Water	20140513	MSD	Stage 2B							
440-78309-1	M-115	440-78309-13	Water	20140513		Stage 2B							
440-78309-1	M-19	440-78309-18	Water	20140513		Stage 2B							
440-78309-1	M-2A	440-78309-16	Water	20140513		Stage 2B							
440-78309-1	M-35	440-78309-17	Water	20140513	FD6	Stage 2B							
440-78309-1	M-67	440-78309-22	Water	20140513		Stage 2B							
440-78309-1	M-68	440-78309-19	Water	20140513		Stage 2B							
440-78309-1	M-70	440-78309-8	Water	20140513		Stage 2B							
440-78309-1	M-71	440-78309-9	Water	20140513		Stage 2B							
440-78309-1	M-72	440-78309-10	Water	20140513		Stage 2B							
440-78309-1	M-73	440-78309-21	Water	20140513		Stage 2B							
440-78309-1	M-74	440-78309-20	Water	20140513		Stage 2B							
440-78309-1	M-75	440-78309-14	Water	20140513		Stage 2B							
440-78309-1	M-76	440-78309-15	Water	20140513		Stage 2B							
440-78309-1	M-80	440-78309-6	Water	20140513		Stage 2B							
440-78309-1	M-81A	440-78309-5	Water	20140513		Stage 2B							
440-78309-1	M-83	440-78309-7	Water	20140513		Stage 2B							
440-78401-1	M-118	440-78401-3	Water	20140513		Stage 2B							
440-78401-1	M-118MS	440-78401-3MS	Water	20140513	MS	Stage 2B							
440-78401-1	M-118MSD	440-78401-3MSD	Water	20140513	MSD	Stage 2B							
440-78401-1	M-120	440-78401-2	Water	20140513		Stage 2B							
440-78401-1	M-120DUP	440-78401-2DUP	Water	20140513	DUP	Stage 2B							
440-78401-1	M-121	440-78401-4	Water	20140513		Stage 2B							
440-78401-1	TR-10	440-78401-6	Water	20140513		Stage 2B							
440-78401-1	TR-10DUP	440-78401-6DUP	Water	20140513	DUP	Stage 2B							
440-78401-1	TR-2	440-78401-1	Water	20140512		Stage 2B							
440-78401-1	TR-2DUP	440-78401-1DUP	Water	20140512	DUP	Stage 2B							
440-78401-1	TR-6	440-78401-7	Water	20140513		Stage 2B							
440-78401-1	TR-9	440-78401-5	Water	20140513		Stage 2B							
440-78428-1	DUP-7	440-78428-15	Water	20140514	FD7	Stage 2B							
440-78428-1	EB-3	440-78428-14	Water	20140514	EB	Stage 2B							
440-78428-1	H-11	440-78428-5	Water	20140514		Stage 2B							
440-78428-1	M-123	440-78428-2	Water	20140514		Stage 2B							
440-78428-1	M-124	440-78428-4	Water	20140514		Stage 2B							
440-78428-1	M-124DUP	440-78428-4DUP	Water	20140514	DUP	Stage 2B							
440-78428-1	M-128	440-78428-3	Water	20140514		Stage 2B							

TABLE I - Sample Cross-Reference

SDG	Client Sample ID	Lab Sample ID	Matrix	Sample Date	QC Type	Validation Level	NH_3-N (350.1)	OPO_4-PO_4 OPO_4-P (SM4500PE/365.1)	Phenols (420.1)	TIN NO_3/NO_2-N (CALC)	CAB (SM1030E)	Alkalinity (SM2320B)	Spec. Cond. (SM2510)
440-78428-1	M-128DUP	440-78428-3DUP	Water	20140514	DUP	Stage 2B							
440-78428-1	M-12A	440-78428-13	Water	20140514	FD7	Stage 2B							
440-78428-1	M-12AMS	440-78428-13MS	Water	20140514	MS	Stage 2B							
440-78428-1	M-12AMSD	440-78428-13MSD	Water	20140514	MSD	Stage 2B							
440-78428-1	M-132	440-78428-16	Water	20140514		Stage 2B							
440-78428-1	M-133	440-78428-1	Water	20140514		Stage 2B							
440-78428-1	M-133DUP	440-78428-1DUP	Water	20140514	DUP	Stage 2B							
440-78428-1	M-137	440-78428-6	Water	20140514		Stage 2B							
440-78428-1	M-138	440-78428-7	Water	20140514		Stage 2B							
440-78428-1	M-141	440-78428-9	Water	20140514		Stage 2B							
440-78428-1	M-21	440-78428-12	Water	20140514		Stage 2B							
440-78428-1	M-31A	440-78428-10	Water	20140514		Stage 2B							
440-78428-1	M-52	440-78428-11	Water	20140514		Stage 2B							
440-78428-1	M-52DUP	440-78428-11DUP	Water	20140514	DUP	Stage 2B							
440-78428-1	M-77	440-78428-8	Water	20140514		Stage 2B							
440-78606-1	DUP-8	440-78606-12	Water	20140515	FD8	Stage 2B							
440-78606-1	EB-4	440-78606-11	Water	20140515	EB	Stage 2B							
440-78606-1	EB-4DUP	440-78606-11DUP	Water	20140515	DUP	Stage 2B							
440-78606-1	M-11	440-78606-10	Water	20140515		Stage 2B							
440-78606-1	M-125	440-78606-1	Water	20140515		Stage 2B							
440-78606-1	M-125DUP	440-78606-1DUP	Water	20140515	DUP	Stage 2B							
440-78606-1	M-13	440-78606-9	Water	20140515		Stage 2B							
440-78606-1	M-139	440-78606-2	Water	20140515		Stage 2B							
440-78606-1	M-142	440-78606-3	Water	20140515		Stage 2B							
440-78606-1	M-144	440-78606-4	Water	20140515	FD8	Stage 2B							
440-78606-1	M-145	440-78606-5	Water	20140515		Stage 2B							
440-78606-1	M-146	440-78606-6	Water	20140515		Stage 2B							
440-78606-1	M-146MS	440-78606-6MS	Water	20140515	MS	Stage 2B							
440-78606-1	M-146MSD	440-78606-6MSD	Water	20140515	MSD	Stage 2B							
440-78606-1	M-147	440-78606-8	Water	20140515		Stage 2B							
440-78606-1	M-148A	440-78606-7	Water	20140515		Stage 2B							
440-78607-1	M-10	440-78607-1	Water	20140515		Stage 2B	X			X			
440-78607-1	M-10MS	440-78607-1MS	Water	20140515	MS	Stage 2B							
440-78607-1	M-10MSD	440-78607-1MSD	Water	20140515	MSD	Stage 2B							
440-78684-1	PC-56	440-78684-7	Water	20140516		Stage 2B							
440-78684-1	PC-58	440-78684-6	Water	20140516		Stage 2B							
440-78684-1	PC-59	440-78684-9	Water	20140516		Stage 2B							
440-78684-1	PC-60	440-78684-8	Water	20140516		Stage 2B							
440-78684-1	PC-62	440-78684-10	Water	20140516		Stage 2B							
440-78684-1	PC-68	440-78684-11	Water	20140516		Stage 2B							
440-78684-1	PC-68DUP	440-78684-11DUP	Water	20140516	DUP	Stage 2B							

TABLE I - Sample Cross-Reference

SDG	Client Sample ID	Lab Sample ID	Matrix	Sample Date	QC Type	Validation Level	NH_3-N (350.1)	OPO_4-PO_4 OPO_4-P (SM4500PE/365.1)	Phenols (420.1)	TIN NO_3/NO_2-N (CALC)	CAB (SM1030E)	Alkalinity (SM2320B)	Spec. Cond. (SM2510)
440-78684-1	PC-86	440-78684-12	Water	20140516		Stage 2B							
440-78684-1	PC-90	440-78684-2	Water	20140516		Stage 2B							
440-78684-1	PC-91	440-78684-3	Water	20140516		Stage 2B							
440-78684-1	PC-92	440-78684-4	Water	20140516		Stage 2B							
440-78684-1	PC-92MS	440-78684-4MS	Water	20140516	MS	Stage 2B							
440-78684-1	PC-92MSD	440-78684-4MSD	Water	20140516	MSD	Stage 2B							
440-78684-1	PC-94	440-78684-5	Water	20140516		Stage 2B							
440-78684-1	PC-97	440-78684-1	Water	20140516		Stage 2B							
440-78684-1	PC-97DUP	440-78684-1DUP	Water	20140516	DUP	Stage 2B							
440-78686-1	DB-1	440-78686-9	Water	20140515	EB	Stage 4							
440-78686-1	M-117	440-78686-5	Water	20140515		Stage 4							
440-78686-1	M-156	440-78686-10	Water	20140515		Stage 4							
440-78686-1	TR-1	440-78686-7	Water	20140515		Stage 4							
440-78686-1	TR-11	440-78686-8	Water	20140515		Stage 4							
440-78686-1	TR-3	440-78686-3	Water	20140515		Stage 4							
440-78686-1	TR-4	440-78686-4	Water	20140515		Stage 4							
440-78686-1	TR-5	440-78686-6	Water	20140515		Stage 4							
440-78686-1	TR-7	440-78686-2	Water	20140514		Stage 4							
440-78686-1	TR-7MS	440-78686-2MS	Water	20140514	MS	Stage 4							
440-78686-1	TR-7MSD	440-78686-2MSD	Water	20140514	MSD	Stage 4							
440-78686-1	TR-8	440-78686-1	Water	20140514		Stage 4							
440-78686-1	TR-8DUP	440-78686-1DUP	Water	20140514	DUP	Stage 4							
440-78689-1	I-AC	440-78689-1	Water	20140516		Stage 2B							
440-78862-1	ARP-2A	440-78862-6	Water	20140520		Stage 2B							
440-78862-1	ARP-3A	440-78862-10	Water	20140520		Stage 2B							
440-78862-1	ARP-4A	440-78862-11	Water	20140520		Stage 2B							
440-78862-1	ARP-7	440-78862-5	Water	20140520		Stage 2B							
440-78862-1	ART-7B	440-78862-1	Water	20140520		Stage 2B							
440-78862-1	ART-7BDUP	440-78862-1DUP	Water	20140520	DUP	Stage 2B							
440-78862-1	ART-7BMS	440-78862-1MS	Water	20140520	MS	Stage 2B							
440-78862-1	ART-7BMSD	440-78862-1MSD	Water	20140520	MSD	Stage 2B							
440-78862-1	EB-10	440-78862-9	Water	20140520	EB	Stage 2B							
440-78862-1	M-99	440-78862-14	Water	20140520		Stage 2B							
440-78862-1	M-99DUP	440-78862-14DUP	Water	20140520	DUP	Stage 2B							
440-78862-1	MW-K4	440-78862-12	Water	20140520		Stage 2B							
440-78862-1	MW-K4DUP	440-78862-12DUP	Water	20140520	DUP	Stage 2B							
440-78862-1	MW-K5	440-78862-4	Water	20140520		Stage 2B							
440-78862-1	PC-101R	440-78862-13	Water	20140520		Stage 2B							
440-78862-1	PC-101RDUP	440-78862-13DUP	Water	20140520	DUP	Stage 2B							
440-78862-1	PC-101RMS	440-78862-13MS	Water	20140520	MS	Stage 2B							
440-78862-1	PC-101RMSD	440-78862-13MSD	Water	20140520	MSD	Stage 2B							

TABLE I - Sample Cross-Reference

SDG	Client Sample ID	Lab Sample ID	Matrix	Sample Date	QC Type	Validation Level	NH_3-N (350.1)	OPO_4-PO_4 OPO_4-P (SM4500PE/365.1)	Phenols (420.1)	TIN NO_3/NO_2-N (CALC)	CAB (SM1030E)	Alkalinity (SM2320B)	Spec. Cond. (SM2510)
440-78862-1	PC-103	440-78862-7	Water	20140520		Stage 2B							
440-78862-1	PC-122	440-78862-2	Water	20140520		Stage 2B							
440-78862-1	PC-122MS	440-78862-2MS	Water	20140520	MS	Stage 2B							
440-78862-1	PC-122MSD	440-78862-2MSD	Water	20140520	MSD	Stage 2B							
440-78862-1	PC-53	440-78862-3	Water	20140520		Stage 2B							
440-78862-1	PC-98R	440-78862-8	Water	20140520		Stage 2B							
440-78998-1	EQUIPMENT BLANK	440-78998-2	Water	20140519	EB	Stage 2B							
440-78998-1	FD-1	440-78998-4	Water	20140519	FD9	Stage 2B							
440-78998-1	M-150	440-78998-5	Water	20140519		Stage 2B							
440-78998-1	M-152	440-78998-3	Water	20140519	FD9	Stage 2B							
440-78998-1	M-154	440-78998-6	Water	20140519		Stage 2B							
440-78998-1	M-161	440-78998-10	Water	20140520		Stage 2B							
440-78998-1	M-162	440-78998-8	Water	20140520		Stage 2B							
440-78998-1	M-162DUP	440-78998-8DUP	Water	20140520	DUP	Stage 2B							
440-78998-1	M-163	440-78998-9	Water	20140520		Stage 2B							
440-78998-1	M-164	440-78998-7	Water	20140519		Stage 2B							
440-78998-1	M-164DUP	440-78998-7DUP	Water	20140519	DUP	Stage 2B							
440-78998-1	M-182	440-78998-11	Water	20140520		Stage 2B							
440-78998-1	TR-12	440-78998-1	Water	20140519		Stage 2B							
440-79035-1	ARP-1	440-79035-1	Water	20140521		Stage 2B							
440-79035-1	ARP-1DUP	440-79035-1DUP	Water	20140521	DUP	Stage 2B							
440-79035-1	ARP-1MS	440-79035-1MS	Water	20140521	MS	Stage 2B							
440-79035-1	ARP-1MSD	440-79035-1MSD	Water	20140521	MSD	Stage 2B							
440-79035-1	ARP-5A	440-79035-4	Water	20140521		Stage 2B							
440-79035-1	ARP-6B	440-79035-5	Water	20140521		Stage 2B							
440-79035-1	PC-18	440-79035-2	Water	20140521		Stage 2B							
440-79035-1	PC-4	440-79035-6	Water	20140521		Stage 2B							
440-79035-1	PC-55	440-79035-3	Water	20140521		Stage 2B							
440-79170-1	M-149	440-79170-5	Water	20140522		Stage 2B							
440-79170-1	M-151	440-79170-3	Water	20140521		Stage 2B							
440-79170-1	M-151MS	440-79170-3MS	Water	20140521	MS	Stage 2B							
440-79170-1	M-151MSD	440-79170-3MSD	Water	20140521	MSD	Stage 2B							
440-79170-1	M-153	440-79170-6	Water	20140522		Stage 2B							
440-79170-1	M-155	440-79170-2	Water	20140521		Stage 2B							
440-79170-1	M-165	440-79170-4	Water	20140521		Stage 2B							
440-79170-1	M-181	440-79170-1	Water	20140521		Stage 2B							
440-79170-1	M-186	440-79170-7	Water	20140522		Stage 2B							
440-79170-1	M-186DUP	440-79170-7DUP	Water	20140522	DUP	Stage 2B							
440-79884-1	ART-1	440-79884-1	Water	20140603		Stage 2B							
440-79884-1	ART-1DUP	440-79884-1DUP	Water	20140603	DUP	Stage 2B							
440-79884-1	ART-2	440-79884-2	Water	20140603		Stage 2B							

TABLE I - Sample Cross-Reference

SDG	Client Sample ID	Lab Sample ID	Matrix	Sample Date	QC Type	Validation Level	NH_3-N (350.1)	OPO_4-PO_4 OPO_4-P (SM4500PE/365.1)	Phenols (420.1)	TIN NO_3/NO_2-N (CALC)	CAB (SM1030E)	Alkalinity (SM2320B)	Spec. Cond. (SM2510)
440-79884-1	ART-3	440-79884-3	Water	20140603		Stage 2B							
440-79884-1	ART-4	440-79884-4	Water	20140603		Stage 2B							
440-79884-1	ART-6	440-79884-5	Water	20140603		Stage 2B							
440-79884-1	ART-7	440-79884-6	Water	20140603		Stage 2B							
440-79884-1	ART-8	440-79884-7	Water	20140603		Stage 2B							
440-79884-1	ART-9	440-79884-8	Water	20140603		Stage 2B							
440-79884-1	PC-115R	440-79884-10	Water	20140603		Stage 2B							
440-79884-1	PC-116R	440-79884-11	Water	20140603		Stage 2B							
440-79884-1	PC-116RDUP	440-79884-11DUP	Water	20140603	DUP	Stage 2B							
440-79884-1	PC-117	440-79884-12	Water	20140603		Stage 2B							
440-79884-1	PC-118	440-79884-13	Water	20140603		Stage 2B							
440-79884-1	PC-119	440-79884-14	Water	20140603		Stage 2B							
440-79884-1	PC-120	440-79884-15	Water	20140603		Stage 2B							
440-79884-1	PC-121	440-79884-16	Water	20140603		Stage 2B							
440-79884-1	PC-133	440-79884-17	Water	20140603		Stage 2B							
440-79884-1	PC-99R2/R3	440-79884-9	Water	20140603		Stage 2B							
440-80727-1	PC-56	440-80727-5	Water	20140611		Stage 2B							
440-80727-1	PC-58	440-80727-4	Water	20140611		Stage 2B							
440-80727-1	PC-59	440-80727-7	Water	20140611		Stage 2B							
440-80727-1	PC-60	440-80727-6	Water	20140611		Stage 2B							
440-80727-1	PC-62	440-80727-8	Water	20140611		Stage 2B							
440-80727-1	PC-68	440-80727-9	Water	20140611		Stage 2B							
440-80727-1	PC-86	440-80727-10	Water	20140611		Stage 2B							
440-80727-1	PC-90	440-80727-2	Water	20140611		Stage 2B							
440-80727-1	PC-91	440-80727-3	Water	20140611		Stage 2B							
440-80727-1	PC-97	440-80727-1	Water	20140611		Stage 2B							
440-80727-1	PC-97DUP	440-80727-1DUP	Water	20140611	DUP	Stage 2B							
440-80787-1	ARP-1	440-80787-1	Water	20140612		Stage 4							
440-80787-1	ARP-2A	440-80787-14	Water	20140612		Stage 4							
440-80787-1	ARP-3A	440-80787-12	Water	20140612		Stage 4							
440-80787-1	ARP-4A	440-80787-9	Water	20140612		Stage 4							
440-80787-1	ARP-5A	440-80787-8	Water	20140612		Stage 4							
440-80787-1	ARP-6B	440-80787-7	Water	20140612		Stage 4							
440-80787-1	ARP-7	440-80787-6	Water	20140612		Stage 4							
440-80787-1	ARP-7DUP	440-80787-6DUP	Water	20140612	DUP	Stage 4							
440-80787-1	EB-1	440-80787-13	Water	20140612	EB	Stage 4							
440-80787-1	MW-K4	440-80787-11	Water	20140612		Stage 4							
440-80787-1	MW-K5	440-80787-5	Water	20140612		Stage 4							
440-80787-1	PC-101R	440-80787-10	Water	20140612		Stage 4							
440-80787-1	PC-103	440-80787-15	Water	20140612		Stage 4							
440-80787-1	PC-122	440-80787-3	Water	20140612		Stage 4							

TABLE I - Sample Cross-Reference

SDG	Client Sample ID	Lab Sample ID	Matrix	Sample Date	QC Type	Validation Level	NH_3-N (350.1)	OPO_4-PO_4 OPO_4-P (SM4500PE/365.1)	Phenols (420.1)	TIN NO_3/NO_2-N (CALC)	CAB (SM1030E)	Alkalinity (SM2320B)	Spec. Cond. (SM2510)
440-80787-1	PC-18	440-80787-2	Water	20140612		Stage 4							
440-80787-1	PC-53	440-80787-4	Water	20140612		Stage 4							
440-80787-1	PC-98R	440-80787-16	Water	20140612		Stage 4							
440-80918-1	M-83	440-80918-1	Water	20140613		Stage 2B							
440-80918-1	PC-55	440-80918-2	Water	20140613		Stage 2B							

TABLE I - Sample Cross-Reference

SDG	Client Sample ID	Lab Sample ID	Matrix	Sample Date	QC Type	Validation Level	TSS (SM2540D)	F (SM4500F-C)	TDS (SM2540C)	pH (SM4500-H+B)	TOC (SM5310C)	TOX (9020B)
467090	ART-4A	201402040369	Water	20140203		Stage 2B	X	X				
467090	ART-4AMS	201402040369MS	Water	20140203	MS	Stage 2B		X				
467090	ART-4AMSD	201402040369MSD	Water	20140203	MSD	Stage 2B		X				
467090	ART-9	201402040370	Water	20140203		Stage 2B	X	X				
467090	PC-117	201402040371	Water	20140203		Stage 2B	X	X				
467090	PC-119	201402040372	Water	20140203		Stage 2B	X	X				
467090	PC-119MS	201402040372MS	Water	20140203	MS	Stage 2B						
467090	PC-119MSD	201402040372MSD	Water	20140203	MSD	Stage 2B						
467090	PC-121	201402040373	Water	20140203		Stage 2B	X	X				
467090	PC-121MS	201402040373MS	Water	20140203	MS	Stage 2B						
467090	PC-121MSD	201402040373MSD	Water	20140203	MSD	Stage 2B						
467090	PC-133	201402040374	Water	20140203		Stage 2B	X	X				
467090	PC-133MS	201402040374MS	Water	20140203	MS	Stage 2B						
467090	PC-133MSD	201402040374MSD	Water	20140203	MSD	Stage 2B						
468765	PC-62	201402130582	Water	20140212		Stage 4	X	X				
468765	PC-62MS	201402130582MS	Water	20140212	MS	Stage 4		X				
468765	PC-62MSD	201402130582MSD	Water	20140212	MSD	Stage 4		X				
468765	PC-91	201402130583	Water	20140212		Stage 4	X	X				
469017	MW-K4	201402150191	Water	20140213		Stage 2B	X	X				
469017	MW-K4MS	201402150191MS	Water	20140213	MS	Stage 2B						
469017	MW-K4MSD	201402150191MSD	Water	20140213	MSD	Stage 2B						
469017	PC-103	201402150192	Water	20140213		Stage 2B	X	X				
469017	PC-103MS	201402150192MS	Water	20140213	MS	Stage 2B						
469017	PC-103MSD	201402150192MSD	Water	20140213	MSD	Stage 2B						
440-67075-1	ART-1	440-67075-1	Water	20140108		Stage 2B			X			
440-67075-1	ART-2	440-67075-2	Water	20140108		Stage 2B			X			
440-67075-1	ART-3	440-67075-3	Water	20140108		Stage 2B			X			
440-67075-1	ART-4	440-67075-4	Water	20140108		Stage 2B			X			
440-67075-1	ART-6	440-67075-5	Water	20140108		Stage 2B			X			
440-67075-1	ART-7	440-67075-6	Water	20140108		Stage 2B			X			
440-67075-1	ART-8	440-67075-7	Water	20140108		Stage 2B			X			
440-67075-1	ART-9	440-67075-8	Water	20140108		Stage 2B			X			
440-67075-1	PC-115R	440-67075-10	Water	20140108		Stage 2B			X			
440-67075-1	PC-116R	440-67075-11	Water	20140108		Stage 2B			X			
440-67075-1	PC-117	440-67075-12	Water	20140108		Stage 2B			X			
440-67075-1	PC-118	440-67075-13	Water	20140108		Stage 2B			X			
440-67075-1	PC-119	440-67075-14	Water	20140108		Stage 2B			X			
440-67075-1	PC-120	440-67075-15	Water	20140108		Stage 2B			X			
440-67075-1	PC-121	440-67075-16	Water	20140108		Stage 2B			X			
440-67075-1	PC-133	440-67075-17	Water	20140108		Stage 2B			X			
440-67075-1	PC-99R2/R3	440-67075-9	Water	20140108		Stage 2B			X			

TABLE I - Sample Cross-Reference

SDG	Client Sample ID	Lab Sample ID	Matrix	Sample Date	QC Type	Validation Level	TSS (SM2540D)	F (SM4500F-C)	TDS (SM2540C)	pH (SM4500-H+B)	TOC (SM5310C)	TOX (9020B)
440-67726-1	ARP-1	440-67726-12	Water	20140115		Stage 2B			X			
440-67726-1	ARP-2A	440-67726-23	Water	20140115		Stage 2B			X			
440-67726-1	ARP-3A	440-67726-22	Water	20140115		Stage 2B			X			
440-67726-1	ARP-4A	440-67726-19	Water	20140115		Stage 2B			X			
440-67726-1	ARP-5A	440-67726-18	Water	20140115		Stage 2B			X			
440-67726-1	ARP-6B	440-67726-17	Water	20140115		Stage 2B			X			
440-67726-1	ARP-7	440-67726-16	Water	20140115		Stage 2B			X			
440-67726-1	EB-1	440-67726-26	Water	20140115	EB	Stage 2B						
440-67726-1	MW-K4	440-67726-21	Water	20140115		Stage 2B			X			
440-67726-1	MW-K5	440-67726-15	Water	20140115		Stage 2B			X			
440-67726-1	PC-101R	440-67726-20	Water	20140115		Stage 2B			X			
440-67726-1	PC-103	440-67726-24	Water	20140115		Stage 2B			X			
440-67726-1	PC-122	440-67726-13	Water	20140115		Stage 2B			X			
440-67726-1	PC-18	440-67726-11	Water	20140115		Stage 2B			X			
440-67726-1	PC-53	440-67726-14	Water	20140115		Stage 2B			X			
440-67726-1	PC-56	440-67726-5	Water	20140115		Stage 2B			X			
440-67726-1	PC-58	440-67726-4	Water	20140115		Stage 2B			X			
440-67726-1	PC-59	440-67726-7	Water	20140115		Stage 2B			X			
440-67726-1	PC-60	440-67726-6	Water	20140115		Stage 2B			X			
440-67726-1	PC-62	440-67726-8	Water	20140115		Stage 2B			X			
440-67726-1	PC-68	440-67726-9	Water	20140115		Stage 2B			X			
440-67726-1	PC-86	440-67726-10	Water	20140115		Stage 2B			X			
440-67726-1	PC-90	440-67726-2	Water	20140115		Stage 2B			X			
440-67726-1	PC-91	440-67726-3	Water	20140115		Stage 2B			X			
440-67726-1	PC-97	440-67726-1	Water	20140115		Stage 2B			X			
440-67726-1	PC-97DUP	440-67726-1DUP	Water	20140115	DUP	Stage 2B			X			
440-67726-1	PC-98R	440-67726-25	Water	20140115		Stage 2B			X			
440-67756-1	M-83	440-67756-2	Water	20140116		Stage 2B			X			
440-67756-1	PC-55	440-67756-1	Water	20140116		Stage 2B			X			
440-68537-1	PC-150	440-68537-1	Water	20140128		Stage 2B			X			
440-68537-1	PC-150DUP	440-68537-1DUP	Water	20140128	DUP	Stage 2B			X			
440-68537-1	PC-150MS	440-68537-1MS	Water	20140128	MS	Stage 2B						
440-68537-1	PC-150MSD	440-68537-1MSD	Water	20140128	MSD	Stage 2B						
440-68671-1	ART-7B	440-68671-1	Water	20140129		Stage 4			X			
440-68671-1	ART-7BMS	440-68671-1MS	Water	20140129	MS	Stage 4						
440-68671-1	ART-7BMSD	440-68671-1MSD	Water	20140129	MSD	Stage 4						
440-68764-1	I-AD	440-68764-1	Water	20140130		Stage 2B			X			
440-68764-1	I-ADMS	440-68764-1MS	Water	20140130	MS	Stage 2B						
440-68764-1	I-ADMSD	440-68764-1MSD	Water	20140130	MSD	Stage 2B						
440-68948-1	I-AC	440-68948-1	Water	20140203		Stage 2B			X			
440-68948-1	I-ACDUP	440-68948-1DUP	Water	20140203	DUP	Stage 2B			X			

TABLE I - Sample Cross-Reference

SDG	Client Sample ID	Lab Sample ID	Matrix	Sample Date	QC Type	Validation Level	TSS (SM2540D)	F (SM4500F-C)	TDS (SM2540C)	pH (SM4500-H+B)	TOC (SM5310C)	TOX (9020B)
440-68948-1	I-ACMS	440-68948-1MS	Water	20140203	MS	Stage 2B						
440-68948-1	I-ACMSD	440-68948-1MSD	Water	20140203	MSD	Stage 2B						
440-68971-1	ART-1	440-68971-1	Water	20140203		Stage 2B			X	X		
440-68971-1	ART-1MS	440-68971-1MS	Water	20140203	MS	Stage 2B						
440-68971-1	ART-1MSD	440-68971-1MSD	Water	20140203	MSD	Stage 2B						
440-68971-1	ART-2	440-68971-2	Water	20140203		Stage 2B			X	X		
440-68971-1	ART-3	440-68971-4	Water	20140203		Stage 2B			X	X		
440-68971-1	ART-4	440-68971-5	Water	20140203		Stage 2B			X	X		
440-68971-1	ART-6	440-68971-8	Water	20140203		Stage 2B			X	X		
440-68971-1	ART-7	440-68971-6	Water	20140203		Stage 2B			X	X		
440-68971-1	ART-8	440-68971-7	Water	20140203		Stage 2B			X	X		
440-68971-1	ART-9	440-68971-3	Water	20140203		Stage 2B			X	X		
440-68971-1	PC-115R	440-68971-15	Water	20140203		Stage 2B			X	X		
440-68971-1	PC-116R	440-68971-9	Water	20140203		Stage 2B			X	X		
440-68971-1	PC-117	440-68971-14	Water	20140203		Stage 2B			X	X		
440-68971-1	PC-118	440-68971-12	Water	20140203		Stage 2B			X	X		
440-68971-1	PC-119	440-68971-11	Water	20140203		Stage 2B			X	X		
440-68971-1	PC-119MS	440-68971-11MS	Water	20140203	MS	Stage 2B						
440-68971-1	PC-119MSD	440-68971-11MSD	Water	20140203	MSD	Stage 2B						
440-68971-1	PC-120	440-68971-16	Water	20140203		Stage 2B			X	X		
440-68971-1	PC-121	440-68971-17	Water	20140203		Stage 2B			X	X		
440-68971-1	PC-121DUP	440-68971-17DUP	Water	20140203	DUP	Stage 2B				X		
440-68971-1	PC-133	440-68971-10	Water	20140203		Stage 2B			X	X		
440-68971-1	PC-99R2/R3	440-68971-13	Water	20140203		Stage 2B			X	X		
440-69094-1	I-AA	440-69094-1	Water	20140204		Stage 2B			X			
440-69094-1	I-AAMS	440-69094-1MS	Water	20140204	MS	Stage 2B						
440-69094-1	I-AAMSD	440-69094-1MSD	Water	20140204	MSD	Stage 2B						
440-69096-1	M-10	440-69096-1	Water	20140204		Stage 2B			X	X		
440-69096-1	M-10DUP	440-69096-1DUP	Water	20140204	DUP	Stage 2B				X		
440-69096-1	M-10MS	440-69096-1MS	Water	20140204	MS	Stage 2B						
440-69096-1	M-10MSD	440-69096-1MSD	Water	20140204	MSD	Stage 2B						
440-69099-1	I-AR	440-69099-26	Water	20140204		Stage 2B			X	X		
440-69099-1	I-B	440-69099-25	Water	20140204		Stage 2B			X	X		
440-69099-1	I-C	440-69099-21	Water	20140204		Stage 2B			X	X		
440-69099-1	I-CDUP	440-69099-21DUP	Water	20140204	DUP	Stage 2B			X			
440-69099-1	I-D	440-69099-12	Water	20140203		Stage 2B			X	X		
440-69099-1	I-E	440-69099-10	Water	20140203		Stage 2B			X	X		
440-69099-1	I-F	440-69099-8	Water	20140203		Stage 2B			X	X		
440-69099-1	I-G	440-69099-6	Water	20140203		Stage 2B			X	X		
440-69099-1	I-H	440-69099-3	Water	20140203		Stage 2B			X	X		
440-69099-1	I-HMS	440-69099-3MS	Water	20140203	MS	Stage 2B						

TABLE I - Sample Cross-Reference

SDG	Client Sample ID	Lab Sample ID	Matrix	Sample Date	QC Type	Validation Level	TSS (SM2540D)	F (SM4500F-C)	TDS (SM2540C)	pH (SM4500-H+B)	TOC (SM5310C)	TOX (9020B)
440-69099-1	I-HMSD	440-69099-3MSD	Water	20140203	MSD	Stage 2B						
440-69099-1	I-L	440-69099-23	Water	20140204		Stage 2B			X	X		
440-69099-1	I-M	440-69099-11	Water	20140203		Stage 2B			X	X		
440-69099-1	I-N	440-69099-9	Water	20140203		Stage 2B			X	X		
440-69099-1	I-NMS	440-69099-9MS	Water	20140203	MS	Stage 2B						
440-69099-1	I-NMSD	440-69099-9MSD	Water	20140203	MSD	Stage 2B						
440-69099-1	I-O	440-69099-1	Water	20140203		Stage 2B			X	X		
440-69099-1	I-ODUP	440-69099-1DUP	Water	20140203	DUP	Stage 2B			X			
440-69099-1	I-P	440-69099-2	Water	20140203		Stage 2B			X	X		
440-69099-1	I-Q	440-69099-7	Water	20140203		Stage 2B			X	X		
440-69099-1	I-R	440-69099-24	Water	20140204		Stage 2B			X	X		
440-69099-1	I-S	440-69099-22	Water	20140204		Stage 2B			X	X		
440-69099-1	I-T	440-69099-5	Water	20140203		Stage 2B			X	X		
440-69099-1	I-U	440-69099-4	Water	20140203		Stage 2B			X	X		
440-69099-1	M-11	440-69099-27	Water	20140204		Stage 2B			X	X		
440-69099-1	PC-123	440-69099-13	Water	20140204		Stage 2B			X	X		
440-69099-1	PC-124	440-69099-18	Water	20140204		Stage 2B			X	X		
440-69099-1	PC-125	440-69099-19	Water	20140204		Stage 2B			X	X		
440-69099-1	PC-125DUP	440-69099-19DUP	Water	20140204	DUP	Stage 2B				X		
440-69099-1	PC-125MS	440-69099-19MS	Water	20140204	MS	Stage 2B						
440-69099-1	PC-125MSD	440-69099-19MSD	Water	20140204	MSD	Stage 2B						
440-69099-1	PC-126	440-69099-20	Water	20140204		Stage 2B			X	X		
440-69099-1	PC-126DUP	440-69099-20DUP	Water	20140204	DUP	Stage 2B				X		
440-69099-1	PC-128	440-69099-14	Water	20140204		Stage 2B			X	X		
440-69099-1	PC-129	440-69099-15	Water	20140204		Stage 2B			X	X		
440-69099-1	PC-130	440-69099-16	Water	20140204	FD10	Stage 2B			X	X		
440-69099-1	PC-131	440-69099-17	Water	20140204		Stage 2B			X	X		
440-69099-1	VD-1	440-69099-28	Water	20140204	FD10	Stage 2B			X	X		
440-69261-1	FB-1	440-69261-12	Water	20140205	FB	Stage 2B			X	X		
440-69261-1	FB-1MS	440-69261-12MS	Water	20140205	MS	Stage 2B						
440-69261-1	FB-1MSD	440-69261-12MSD	Water	20140205	MSD	Stage 2B						
440-69261-1	M-44	440-69261-10	Water	20140205		Stage 2B			X	X		
440-69261-1	M-48A	440-69261-8	Water	20140205		Stage 2B			X	X		
440-69261-1	M-48ADUP	440-69261-8DUP	Water	20140205	DUP	Stage 2B				X		
440-69261-1	M-95	440-69261-11	Water	20140205	FD11	Stage 2B			X	X		
440-69261-1	M-95MS	440-69261-11MS	Water	20140205	MS	Stage 2B						
440-69261-1	M-95MSD	440-69261-11MSD	Water	20140205	MSD	Stage 2B						
440-69261-1	PC-127	440-69261-1	Water	20140205		Stage 2B			X	X		
440-69261-1	PC-127MS	440-69261-1MS	Water	20140205	MS	Stage 2B						
440-69261-1	PC-127MSD	440-69261-1MSD	Water	20140205	MSD	Stage 2B						
440-69261-1	PC-135A	440-69261-3	Water	20140205		Stage 2B			X	X		

TABLE I - Sample Cross-Reference

SDG	Client Sample ID	Lab Sample ID	Matrix	Sample Date	QC Type	Validation Level	TSS (SM2540D)	F (SM4500F-C)	TDS (SM2540C)	pH (SM4500-H+B)	TOC (SM5310C)	TOX (9020B)
440-69261-1	PC-144	440-69261-2	Water	20140205		Stage 2B			X	X		
440-69261-1	PC-148	440-69261-4	Water	20140205		Stage 2B			X	X		
440-69261-1	PC-149	440-69261-5	Water	20140205		Stage 2B			X	X		
440-69261-1	PC-150	440-69261-6	Water	20140205		Stage 2B			X	X		
440-69261-1	PC-54	440-69261-7	Water	20140205		Stage 2B			X	X		
440-69261-1	PC-54DUP	440-69261-7DUP	Water	20140205	DUP	Stage 2B				X		
440-69261-1	PC-71	440-69261-9	Water	20140205		Stage 2B			X	X		
440-69261-1	VD-2	440-69261-13	Water	20140205	FD11	Stage 2B			X	X		
440-69261-1	VD-2DUP	440-69261-13DUP	Water	20140205	DUP	Stage 2B			X			
440-69262-1	I-X	440-69262-1	Water	20140205		Stage 2B			X			
440-69262-1	I-XMS	440-69262-1MS	Water	20140205	MS	Stage 2B						
440-69262-1	I-XMSD	440-69262-1MSD	Water	20140205	MSD	Stage 2B						
440-69440-1	EB-1	440-69440-1	Water	20140206	EB	Stage 2B			X	X		
440-69440-1	EB-1DUP	440-69440-1DUP	Water	20140206	DUP	Stage 2B				X		
440-69440-1	EB-1MS	440-69440-1MS	Water	20140206	MS	Stage 2B						
440-69440-1	EB-1MSD	440-69440-1MSD	Water	20140206	MSD	Stage 2B						
440-69440-1	M-131	440-69440-2	Water	20140206		Stage 2B			X	X		
440-69440-1	M-131MS	440-69440-2MS	Water	20140206	MS	Stage 2B						
440-69440-1	M-131MSD	440-69440-2MSD	Water	20140206	MSD	Stage 2B						
440-69440-1	M-135	440-69440-15	Water	20140206	FD12	Stage 2B			X	X		
440-69440-1	M-23	440-69440-7	Water	20140206		Stage 2B			X	X		
440-69440-1	M-64	440-69440-8	Water	20140206		Stage 2B			X	X		
440-69440-1	M-65	440-69440-9	Water	20140206		Stage 2B			X	X		
440-69440-1	M-66	440-69440-10	Water	20140206		Stage 2B			X	X		
440-69440-1	M-70	440-69440-12	Water	20140206		Stage 2B			X	X		
440-69440-1	M-71	440-69440-13	Water	20140206		Stage 2B			X	X		
440-69440-1	M-72	440-69440-14	Water	20140206		Stage 2B			X	X		
440-69440-1	M-79	440-69440-11	Water	20140206		Stage 2B			X	X		
440-69440-1	M-79MS	440-69440-11MS	Water	20140206	MS	Stage 2B						
440-69440-1	M-79MSD	440-69440-11MSD	Water	20140206	MSD	Stage 2B						
440-69440-1	PC-37	440-69440-6	Water	20140206		Stage 2B			X	X		
440-69440-1	PC-72	440-69440-4	Water	20140206		Stage 2B			X	X		
440-69440-1	PC-73	440-69440-5	Water	20140206		Stage 2B			X	X		
440-69440-1	VD-3	440-69440-3	Water	20140206	FD12	Stage 2B			X	X		
440-69445-1	I-AB	440-69445-1	Water	20140206		Stage 2B			X			
440-69445-1	I-ABMS	440-69445-1MS	Water	20140206	MS	Stage 2B						
440-69445-1	I-ABMSD	440-69445-1MSD	Water	20140206	MSD	Stage 2B						
440-69677-1	M-12A	440-69677-1	Water	20140207	FD14	Stage 2B			X	X		
440-69677-1	M-12ADUP	440-69677-1DUP	Water	20140207	DUP	Stage 2B				X		
440-69677-1	M-12AMS	440-69677-1MS	Water	20140207	MS	Stage 2B						
440-69677-1	M-12AMSD	440-69677-1MSD	Water	20140207	MSD	Stage 2B						

TABLE I - Sample Cross-Reference

SDG	Client Sample ID	Lab Sample ID	Matrix	Sample Date	QC Type	Validation Level	TSS (SM2540D)	F (SM4500F-C)	TDS (SM2540C)	pH (SM4500-H+B)	TOC (SM5310C)	TOX (9020B)
440-69677-1	M-37	440-69677-2	Water	20140207		Stage 2B			X	X		
440-69677-1	M-38	440-69677-3	Water	20140207		Stage 2B			X	X		
440-69677-1	VD-5	440-69677-4	Water	20140207	FD14	Stage 2B			X	X		
440-69678-1	EB-2	440-69678-11	Water	20140207	EB	Stage 4			X	X		
440-69678-1	I-AC	440-69678-1	Water	20140207		Stage 4			X	X		
440-69678-1	I-AD	440-69678-2	Water	20140207		Stage 4			X	X		
440-69678-1	I-K	440-69678-4	Water	20140207		Stage 4			X	X		
440-69678-1	I-V	440-69678-7	Water	20140207		Stage 4			X	X		
440-69678-1	I-VMS	440-69678-7MS	Water	20140207	MS	Stage 4						
440-69678-1	I-VMSD	440-69678-7MSD	Water	20140207	MSD	Stage 4						
440-69678-1	M-68	440-69678-3	Water	20140207	FD13	Stage 4			X	X		
440-69678-1	M-73	440-69678-6	Water	20140207		Stage 4			X	X		
440-69678-1	M-74	440-69678-5	Water	20140207		Stage 4			X	X		
440-69678-1	M-80	440-69678-9	Water	20140207		Stage 4			X	X		
440-69678-1	M-80MS	440-69678-9MS	Water	20140207	MS	Stage 4						
440-69678-1	M-80MSD	440-69678-9MSD	Water	20140207	MSD	Stage 4						
440-69678-1	M-81A	440-69678-8	Water	20140207		Stage 4			X	X		
440-69678-1	M-83	440-69678-10	Water	20140207		Stage 4			X	X		
440-69678-1	VD-4	440-69678-12	Water	20140207	FD13	Stage 4			X	X		
440-69679-1	I-Y	440-69679-1	Water	20140207		Stage 2B			X			
440-69679-1	I-YMS	440-69679-1MS	Water	20140207	MS	Stage 2B						
440-69679-1	I-YMSD	440-69679-1MSD	Water	20140207	MSD	Stage 2B						
440-69680-1	I-W	440-69680-1	Water	20140207		Stage 4			X			
440-69696-1	I-I	440-69696-8	Water	20140207		Stage 2B			X	X		
440-69696-1	I-J	440-69696-10	Water	20140207		Stage 2B			X	X		
440-69696-1	I-Z	440-69696-9	Water	20140207		Stage 2B			X	X		
440-69696-1	M-14A	440-69696-2	Water	20140207		Stage 2B			X	X		
440-69696-1	M-19	440-69696-7	Water	20140207		Stage 2B			X	X		
440-69696-1	M-22A	440-69696-4	Water	20140207		Stage 2B			X	X		
440-69696-1	M-25	440-69696-3	Water	20140207		Stage 2B			X	X		
440-69696-1	M-35	440-69696-6	Water	20140207		Stage 2B			X	X		
440-69696-1	M-52	440-69696-5	Water	20140207		Stage 2B			X	X		
440-69696-1	M-57A	440-69696-1	Water	20140207		Stage 2B			X	X		
440-69696-1	M-57ADUP	440-69696-1DUP	Water	20140207	DUP	Stage 2B				X		
440-69696-1	M-57AMS	440-69696-1MS	Water	20140207	MS	Stage 2B						
440-69696-1	M-57AMSD	440-69696-1MSD	Water	20140207	MSD	Stage 2B						
440-69696-1	M-67	440-69696-11	Water	20140207		Stage 2B			X	X		
440-69696-1	M-67DUP	440-69696-11DUP	Water	20140207	DUP	Stage 2B				X		
440-69696-1	M-67MS	440-69696-11MS	Water	20140207	MS	Stage 2B						
440-69696-1	M-67MSD	440-69696-11MSD	Water	20140207	MSD	Stage 2B						
440-69820-1	I-AA	440-69820-3	Water	20140210		Stage 2B			X	X		

TABLE I - Sample Cross-Reference

SDG	Client Sample ID	Lab Sample ID	Matrix	Sample Date	QC Type	Validation Level	TSS (SM2540D)	F (SM4500F-C)	TDS (SM2540C)	pH (SM4500-H+B)	TOC (SM5310C)	TOX (9020B)
440-69820-1	I-AB	440-69820-4	Water	20140210		Stage 2B			X	X		
440-69820-1	I-X	440-69820-1	Water	20140210		Stage 2B			X	X		
440-69820-1	I-XMS	440-69820-1MS	Water	20140210	MS	Stage 2B						
440-69820-1	I-XMSD	440-69820-1MSD	Water	20140210	MSD	Stage 2B						
440-69820-1	I-Y	440-69820-2	Water	20140210		Stage 2B			X	X		
440-69820-1	M-99	440-69820-5	Water	20140210		Stage 2B			X	X		
440-70243-1	PC-56	440-70243-6	Water	20140212		Stage 2B			X	X		
440-70243-1	PC-58	440-70243-5	Water	20140212		Stage 2B			X	X		
440-70243-1	PC-59	440-70243-8	Water	20140212		Stage 2B			X	X		
440-70243-1	PC-60	440-70243-7	Water	20140212		Stage 2B			X	X		
440-70243-1	PC-62	440-70243-9	Water	20140212		Stage 2B			X	X		
440-70243-1	PC-68	440-70243-10	Water	20140212		Stage 2B			X	X		
440-70243-1	PC-86	440-70243-11	Water	20140212		Stage 2B			X	X		
440-70243-1	PC-86MS	440-70243-11MS	Water	20140212	MS	Stage 2B						
440-70243-1	PC-86MSD	440-70243-11MSD	Water	20140212	MSD	Stage 2B						
440-70243-1	PC-90	440-70243-2	Water	20140212		Stage 2B			X	X		
440-70243-1	PC-91	440-70243-12	Water	20140212		Stage 2B			X	X		
440-70243-1	PC-92	440-70243-3	Water	20140212		Stage 2B			X	X		
440-70243-1	PC-92DUP	440-70243-3DUP	Water	20140212	DUP	Stage 2B				X		
440-70243-1	PC-94	440-70243-4	Water	20140212		Stage 2B			X	X		
440-70243-1	PC-94DUP	440-70243-4DUP	Water	20140212	DUP	Stage 2B				X		
440-70243-1	PC-97	440-70243-1	Water	20140212		Stage 2B			X	X		
440-70243-1	PC-97MS	440-70243-1MS	Water	20140212	MS	Stage 2B						
440-70243-1	PC-97MSD	440-70243-1MSD	Water	20140212	MSD	Stage 2B						
440-70245-1	I-W	440-70245-1	Water	20140211		Stage 2B			X	X		
440-70245-1	I-WMS	440-70245-1MS	Water	20140211	MS	Stage 2B						
440-70245-1	I-WMSD	440-70245-1MSD	Water	20140211	MSD	Stage 2B						
440-70245-1	M-69	440-70245-2	Water	20140212		Stage 2B			X	X		
440-70421-1	PC-136	440-70421-1	Water	20140213		Stage 2B			X	X		
440-70423-1	ARP-2A	440-70423-12	Water	20140213		Stage 2B			X	X		
440-70423-1	ARP-3A	440-70423-11	Water	20140213		Stage 2B			X	X		
440-70423-1	ARP-4A	440-70423-8	Water	20140213		Stage 2B			X	X		
440-70423-1	ARP-4AMS	440-70423-8MS	Water	20140213	MS	Stage 2B						
440-70423-1	ARP-4AMSD	440-70423-8MSD	Water	20140213	MSD	Stage 2B						
440-70423-1	ARP-5A	440-70423-7	Water	20140213		Stage 2B			X	X		
440-70423-1	ARP-6B	440-70423-6	Water	20140213		Stage 2B			X	X		
440-70423-1	ARP-7	440-70423-5	Water	20140213		Stage 2B			X	X		
440-70423-1	ART-7B	440-70423-1	Water	20140213		Stage 2B			X	X		
440-70423-1	EB-1	440-70423-15	Water	20140213	EB	Stage 2B						
440-70423-1	MW-K4	440-70423-10	Water	20140213		Stage 2B			X	X		
440-70423-1	MW-K4DUP	440-70423-10DUP	Water	20140213	DUP	Stage 2B				X		

TABLE I - Sample Cross-Reference

SDG	Client Sample ID	Lab Sample ID	Matrix	Sample Date	QC Type	Validation Level	TSS (SM2540D)	F (SM4500F-C)	TDS (SM2540C)	pH (SM4500-H+B)	TOC (SM5310C)	TOX (9020B)
440-70423-1	MW-K5	440-70423-4	Water	20140213		Stage 2B			X	X		
440-70423-1	PC-101R	440-70423-9	Water	20140213		Stage 2B			X	X		
440-70423-1	PC-101RDUP	440-70423-9DUP	Water	20140213	DUP	Stage 2B				X		
440-70423-1	PC-103	440-70423-13	Water	20140213		Stage 2B			X	X		
440-70423-1	PC-122	440-70423-2	Water	20140213		Stage 2B			X	X		
440-70423-1	PC-53	440-70423-3	Water	20140213		Stage 2B			X	X		
440-70423-1	PC-53MS	440-70423-3MS	Water	20140213	MS	Stage 2B						
440-70423-1	PC-53MSD	440-70423-3MSD	Water	20140213	MSD	Stage 2B						
440-70423-1	PC-98R	440-70423-14	Water	20140213		Stage 2B			X	X		
440-70471-1	ARP-1	440-70471-3	Water	20140214		Stage 2B			X	X		
440-70471-1	PC-18	440-70471-1	Water	20140214		Stage 2B			X	X		
440-70471-1	PC-18DUP	440-70471-1DUP	Water	20140214	DUP	Stage 2B			X			
440-70471-1	PC-18MS	440-70471-1MS	Water	20140214	MS	Stage 2B						
440-70471-1	PC-55	440-70471-2	Water	20140214		Stage 2B			X	X		
440-72444-1	ART-1	440-72444-1	Water	20140303		Stage 2B			X			
440-72444-1	ART-1DUP	440-72444-1DUP	Water	20140303	DUP	Stage 2B			X			
440-72444-1	ART-2	440-72444-2	Water	20140303		Stage 2B			X			
440-72444-1	ART-3	440-72444-3	Water	20140303		Stage 2B			X			
440-72444-1	ART-4	440-72444-4	Water	20140303		Stage 2B			X			
440-72444-1	ART-7	440-72444-5	Water	20140303		Stage 2B			X			
440-72444-1	ART-8	440-72444-6	Water	20140303		Stage 2B			X			
440-72444-1	ART-9	440-72444-7	Water	20140303		Stage 2B			X			
440-72598-1	ART-6	440-72598-10	Water	20140306		Stage 2B			X			
440-72598-1	ART-6DUP	440-72598-10DUP	Water	20140306	DUP	Stage 2B			X			
440-72598-1	PC-115R	440-72598-6	Water	20140306		Stage 2B			X			
440-72598-1	PC-116R	440-72598-5	Water	20140306		Stage 2B			X			
440-72598-1	PC-117	440-72598-2	Water	20140306		Stage 2B			X			
440-72598-1	PC-118	440-72598-4	Water	20140306		Stage 2B			X			
440-72598-1	PC-119	440-72598-3	Water	20140306		Stage 2B			X			
440-72598-1	PC-120	440-72598-9	Water	20140306		Stage 2B			X			
440-72598-1	PC-121	440-72598-8	Water	20140306		Stage 2B			X			
440-72598-1	PC-133	440-72598-1	Water	20140306		Stage 2B			X			
440-72598-1	PC-99R2/R3	440-72598-7	Water	20140306		Stage 2B			X			
440-73141-1	ARP-1	440-73141-13	Water	20140312		Stage 2B			X			
440-73141-1	EB-1	440-73141-7	Water	20140312	EB	Stage 2B						
440-73141-1	PC-18	440-73141-12	Water	20140312		Stage 2B			X			
440-73141-1	PC-18DUP	440-73141-12DUP	Water	20140312	DUP	Stage 2B			X			
440-73141-1	PC-56	440-73141-5	Water	20140312		Stage 2B			X			
440-73141-1	PC-58	440-73141-4	Water	20140312		Stage 2B			X			
440-73141-1	PC-59	440-73141-8	Water	20140312		Stage 2B			X			
440-73141-1	PC-60	440-73141-6	Water	20140312		Stage 2B			X			

TABLE I - Sample Cross-Reference

SDG	Client Sample ID	Lab Sample ID	Matrix	Sample Date	QC Type	Validation Level	TSS (SM2540D)	F (SM4500F-C)	TDS (SM2540C)	pH (SM4500-H+B)	TOC (SM5310C)	TOX (9020B)
440-73141-1	PC-62	440-73141-9	Water	20140312		Stage 2B			X			
440-73141-1	PC-68	440-73141-10	Water	20140312		Stage 2B			X			
440-73141-1	PC-86	440-73141-11	Water	20140312		Stage 2B			X			
440-73141-1	PC-90	440-73141-2	Water	20140312		Stage 2B			X			
440-73141-1	PC-91	440-73141-3	Water	20140312		Stage 2B			X			
440-73141-1	PC-97	440-73141-1	Water	20140312		Stage 2B			X			
440-73141-1	PC-97DUP	440-73141-1DUP	Water	20140312	DUP	Stage 2B			X			
440-73280-1	ARP-2A	440-73280-11	Water	20140313		Stage 2B			X			
440-73280-1	ARP-2ADUP	440-73280-11DUP	Water	20140313	DUP	Stage 2B			X			
440-73280-1	ARP-3A	440-73280-10	Water	20140313		Stage 2B			X			
440-73280-1	ARP-4A	440-73280-7	Water	20140313		Stage 2B			X			
440-73280-1	ARP-5A	440-73280-6	Water	20140313		Stage 2B			X			
440-73280-1	ARP-6B	440-73280-5	Water	20140313		Stage 2B			X			
440-73280-1	ARP-7	440-73280-4	Water	20140313		Stage 2B			X			
440-73280-1	M-83	440-73280-15	Water	20140313		Stage 2B			X			
440-73280-1	MW-K4	440-73280-9	Water	20140313		Stage 2B			X			
440-73280-1	MW-K5	440-73280-3	Water	20140313		Stage 2B			X			
440-73280-1	PC-101R	440-73280-8	Water	20140313		Stage 2B			X			
440-73280-1	PC-103	440-73280-12	Water	20140313		Stage 2B			X			
440-73280-1	PC-122	440-73280-1	Water	20140313		Stage 2B			X			
440-73280-1	PC-122DUP	440-73280-1DUP	Water	20140313	DUP	Stage 2B			X			
440-73280-1	PC-53	440-73280-2	Water	20140313		Stage 2B			X			
440-73280-1	PC-55	440-73280-14	Water	20140313		Stage 2B			X			
440-73280-1	PC-98R	440-73280-13	Water	20140313		Stage 2B			X			
440-75214-1	ART-1	440-75214-1	Water	20140407		Stage 2B			X			
440-75214-1	ART-2	440-75214-2	Water	20140407		Stage 2B			X			
440-75214-1	ART-3	440-75214-3	Water	20140407		Stage 2B			X			
440-75214-1	ART-4	440-75214-4	Water	20140407		Stage 2B			X			
440-75214-1	ART-6	440-75214-5	Water	20140407		Stage 2B			X			
440-75214-1	ART-7	440-75214-6	Water	20140407		Stage 2B			X			
440-75214-1	ART-8	440-75214-7	Water	20140407		Stage 2B			X			
440-75214-1	ART-9	440-75214-8	Water	20140407		Stage 2B			X			
440-75214-1	PC-115R	440-75214-10	Water	20140407		Stage 2B			X			
440-75214-1	PC-116R	440-75214-11	Water	20140407		Stage 2B			X			
440-75214-1	PC-117	440-75214-12	Water	20140407		Stage 2B			X			
440-75214-1	PC-118	440-75214-13	Water	20140407		Stage 2B			X			
440-75214-1	PC-119	440-75214-14	Water	20140407		Stage 2B			X			
440-75214-1	PC-120	440-75214-15	Water	20140407		Stage 2B			X			
440-75214-1	PC-121	440-75214-16	Water	20140407		Stage 2B			X			
440-75214-1	PC-133	440-75214-17	Water	20140407		Stage 2B			X			
440-75214-1	PC-99R2/R3	440-75214-9	Water	20140407		Stage 2B			X			

TABLE I - Sample Cross-Reference

SDG	Client Sample ID	Lab Sample ID	Matrix	Sample Date	QC Type	Validation Level	TSS (SM2540D)	F (SM4500F-C)	TDS (SM2540C)	pH (SM4500-H+B)	TOC (SM5310C)	TOX (9020B)
440-76132-1	EB-1	440-76132-7	Water	20140416	EB	Stage 2B						
440-76132-1	PC-55	440-76132-12	Water	20140416		Stage 2B			X			
440-76132-1	PC-55DUP	440-76132-12DUP	Water	20140416	DUP	Stage 2B			X			
440-76132-1	PC-56	440-76132-5	Water	20140416		Stage 2B			X			
440-76132-1	PC-58	440-76132-4	Water	20140416		Stage 2B			X			
440-76132-1	PC-59	440-76132-8	Water	20140416		Stage 2B			X			
440-76132-1	PC-60	440-76132-6	Water	20140416		Stage 2B			X			
440-76132-1	PC-62	440-76132-9	Water	20140416		Stage 2B			X			
440-76132-1	PC-68	440-76132-10	Water	20140416		Stage 2B			X			
440-76132-1	PC-86	440-76132-11	Water	20140416		Stage 2B			X			
440-76132-1	PC-90	440-76132-2	Water	20140416		Stage 2B			X			
440-76132-1	PC-91	440-76132-3	Water	20140416		Stage 2B			X			
440-76132-1	PC-97	440-76132-1	Water	20140416		Stage 2B			X			
440-76132-1	PC-97DUP	440-76132-1DUP	Water	20140416	DUP	Stage 2B			X			
440-76251-1	ARP-2A	440-76251-10	Water	20140417		Stage 2B			X			
440-76251-1	ARP-2ADUP	440-76251-10DUP	Water	20140417	DUP	Stage 2B			X			
440-76251-1	ARP-3A	440-76251-9	Water	20140417		Stage 2B			X			
440-76251-1	ARP-4A	440-76251-6	Water	20140417		Stage 2B			X			
440-76251-1	ARP-5A	440-76251-5	Water	20140417		Stage 2B			X			
440-76251-1	ARP-6B	440-76251-4	Water	20140417		Stage 2B			X			
440-76251-1	ARP-7	440-76251-3	Water	20140417		Stage 2B			X			
440-76251-1	MW-K4	440-76251-8	Water	20140417		Stage 2B			X			
440-76251-1	MW-K5	440-76251-2	Water	20140417		Stage 2B			X			
440-76251-1	PC-101R	440-76251-7	Water	20140417		Stage 2B			X			
440-76251-1	PC-103	440-76251-11	Water	20140417		Stage 2B			X			
440-76251-1	PC-53	440-76251-1	Water	20140417		Stage 2B			X			
440-76251-1	PC-98R	440-76251-12	Water	20140417		Stage 2B			X			
440-76253-1	ARP-1	440-76253-2	Water	20140417		Stage 2B			X			
440-76253-1	M-83	440-76253-3	Water	20140417		Stage 2B			X			
440-76253-1	PC-18	440-76253-1	Water	20140417		Stage 2B			X			
440-77513-1	DUP-1	440-77513-24	Water	20140505	FD1	Stage 2B			X	X		
440-77513-1	I-AA	440-77513-22	Water	20140505		Stage 2B			X	X		
440-77513-1	I-AB	440-77513-21	Water	20140505		Stage 2B			X	X		
440-77513-1	I-ABDUP	440-77513-21DUP	Water	20140505	DUP	Stage 2B				X		
440-77513-1	I-AR	440-77513-23	Water	20140505		Stage 2B			X	X		
440-77513-1	I-B	440-77513-20	Water	20140505		Stage 2B			X	X		
440-77513-1	I-BDUP	440-77513-20DUP	Water	20140505	DUP	Stage 2B				X		
440-77513-1	I-C	440-77513-15	Water	20140505		Stage 2B			X	X		
440-77513-1	I-D	440-77513-14	Water	20140505		Stage 2B			X	X		
440-77513-1	I-E	440-77513-12	Water	20140505		Stage 2B			X	X		
440-77513-1	I-F	440-77513-9	Water	20140505		Stage 2B			X	X		

TABLE I - Sample Cross-Reference

SDG	Client Sample ID	Lab Sample ID	Matrix	Sample Date	QC Type	Validation Level	TSS (SM2540D)	F (SM4500F-C)	TDS (SM2540C)	pH (SM4500-H+B)	TOC (SM5310C)	TOX (9020B)
440-77513-1	I-G	440-77513-7	Water	20140505		Stage 2B			X	X		
440-77513-1	I-H	440-77513-4	Water	20140505		Stage 2B			X	X		
440-77513-1	I-L	440-77513-17	Water	20140505	FD1	Stage 2B			X	X		
440-77513-1	I-M	440-77513-13	Water	20140505		Stage 2B			X	X		
440-77513-1	I-N	440-77513-11	Water	20140505		Stage 2B			X	X		
440-77513-1	I-NDUP	440-77513-11DUP	Water	20140505	DUP	Stage 2B			X			
440-77513-1	I-NMS	440-77513-11MS	Water	20140505	MS	Stage 2B						
440-77513-1	I-NMSD	440-77513-11MSD	Water	20140505	MSD	Stage 2B						
440-77513-1	I-O	440-77513-1	Water	20140505		Stage 2B			X	X		
440-77513-1	I-ODUP	440-77513-1DUP	Water	20140505	DUP	Stage 2B			X	X		
440-77513-1	I-OMS	440-77513-1MS	Water	20140505	MS	Stage 2B						
440-77513-1	I-OMSD	440-77513-1MSD	Water	20140505	MSD	Stage 2B						
440-77513-1	I-P	440-77513-3	Water	20140505		Stage 2B			X	X		
440-77513-1	I-Q	440-77513-8	Water	20140505		Stage 2B			X	X		
440-77513-1	I-R	440-77513-19	Water	20140505		Stage 2B			X	X		
440-77513-1	I-S	440-77513-16	Water	20140505		Stage 2B			X	X		
440-77513-1	I-T	440-77513-6	Water	20140505		Stage 2B			X	X		
440-77513-1	I-U	440-77513-5	Water	20140505		Stage 2B			X	X		
440-77513-1	I-W	440-77513-2	Water	20140505		Stage 2B			X	X		
440-77513-1	I-X	440-77513-10	Water	20140505		Stage 2B			X	X		
440-77513-1	I-Y	440-77513-18	Water	20140505		Stage 2B			X	X		
440-77515-1	ART-1	440-77515-1	Water	20140505		Stage 2B			X	X		
440-77515-1	ART-1DUP	440-77515-1DUP	Water	20140505	DUP	Stage 2B			X			
440-77515-1	ART-1MS	440-77515-1MS	Water	20140505	MS	Stage 2B						
440-77515-1	ART-1MSD	440-77515-1MSD	Water	20140505	MSD	Stage 2B						
440-77515-1	ART-2	440-77515-2	Water	20140505		Stage 2B			X	X		
440-77515-1	ART-3	440-77515-3	Water	20140505		Stage 2B			X	X		
440-77515-1	ART-4	440-77515-4	Water	20140505		Stage 2B			X	X		
440-77515-1	ART-7	440-77515-5	Water	20140505		Stage 2B			X	X		
440-77515-1	ART-8	440-77515-6	Water	20140505		Stage 2B			X	X		
440-77515-1	ART-9	440-77515-7	Water	20140505		Stage 2B			X	X		
440-77515-1	PC-115R	440-77515-9	Water	20140505		Stage 2B			X	X		
440-77515-1	PC-116R	440-77515-10	Water	20140505		Stage 2B			X	X		
440-77515-1	PC-117	440-77515-11	Water	20140505		Stage 2B			X	X		
440-77515-1	PC-117DUP	440-77515-11DUP	Water	20140505	DUP	Stage 2B			X			
440-77515-1	PC-117MS	440-77515-11MS	Water	20140505	MS	Stage 2B						
440-77515-1	PC-117MSD	440-77515-11MSD	Water	20140505	MSD	Stage 2B						
440-77515-1	PC-118	440-77515-12	Water	20140505		Stage 2B			X	X		
440-77515-1	PC-119	440-77515-13	Water	20140505		Stage 2B			X	X		
440-77515-1	PC-120	440-77515-14	Water	20140505		Stage 2B			X	X		
440-77515-1	PC-121	440-77515-15	Water	20140505		Stage 2B			X	X		

TABLE I - Sample Cross-Reference

SDG	Client Sample ID	Lab Sample ID	Matrix	Sample Date	QC Type	Validation Level	TSS (SM2540D)	F (SM4500F-C)	TDS (SM2540C)	pH (SM4500-H+B)	TOC (SM5310C)	TOX (9020B)
440-77515-1	PC-133	440-77515-16	Water	20140505		Stage 2B			X	X		
440-77515-1	PC-133DUP	440-77515-16DUP	Water	20140505	DUP	Stage 2B				X		
440-77515-1	PC-99R2/R3	440-77515-8	Water	20140505		Stage 2B			X	X		
440-77661-1	DUP-2	440-77661-20	Water	20140506	FD2	Stage 2B			X	X		
440-77661-1	EB-1	440-77661-21	Water	20140506	EB	Stage 2B			X	X		
440-77661-1	EB-1DUP	440-77661-21DUP	Water	20140506	DUP	Stage 2B				X		
440-77661-1	EB-1MS	440-77661-21MS	Water	20140506	MS	Stage 2B						
440-77661-1	EB-1MSD	440-77661-21MSD	Water	20140506	MSD	Stage 2B						
440-77661-1	PC-108	440-77661-18	Water	20140506		Stage 2B			X	X		
440-77661-1	PC-110	440-77661-19	Water	20140506		Stage 2B			X	X		
440-77661-1	PC-123	440-77661-1	Water	20140506		Stage 2B			X	X		
440-77661-1	PC-123DUP	440-77661-1DUP	Water	20140506	DUP	Stage 2B			X			
440-77661-1	PC-123MS	440-77661-1MS	Water	20140506	MS	Stage 2B						
440-77661-1	PC-123MSD	440-77661-1MSD	Water	20140506	MSD	Stage 2B						
440-77661-1	PC-124	440-77661-8	Water	20140506		Stage 2B			X	X		
440-77661-1	PC-124DUP	440-77661-8DUP	Water	20140506	DUP	Stage 2B				X		
440-77661-1	PC-125	440-77661-9	Water	20140506		Stage 2B			X	X		
440-77661-1	PC-126	440-77661-10	Water	20140506		Stage 2B			X	X		
440-77661-1	PC-127	440-77661-12	Water	20140506		Stage 2B			X	X		
440-77661-1	PC-128	440-77661-2	Water	20140506		Stage 2B			X	X		
440-77661-1	PC-128MS	440-77661-2MS	Water	20140506	MS	Stage 2B						
440-77661-1	PC-128MSD	440-77661-2MSD	Water	20140506	MSD	Stage 2B						
440-77661-1	PC-129	440-77661-3	Water	20140506		Stage 2B			X	X		
440-77661-1	PC-130	440-77661-4	Water	20140506		Stage 2B			X	X		
440-77661-1	PC-131	440-77661-6	Water	20140506		Stage 2B			X	X		
440-77661-1	PC-132	440-77661-7	Water	20140506	FD2	Stage 2B			X	X		
440-77661-1	PC-132DUP	440-77661-7DUP	Water	20140506	DUP	Stage 2B				X		
440-77661-1	PC-24	440-77661-11	Water	20140506		Stage 2B			X	X		
440-77661-1	PC-24DUP	440-77661-11DUP	Water	20140506	DUP	Stage 2B			X			
440-77661-1	PC-24MS	440-77661-11MS	Water	20140506	MS	Stage 2B						
440-77661-1	PC-24MSD	440-77661-11MSD	Water	20140506	MSD	Stage 2B						
440-77661-1	PC-50	440-77661-5	Water	20140506		Stage 2B			X	X		
440-77661-1	PC-74	440-77661-13	Water	20140506		Stage 2B			X	X		
440-77661-1	PC-77	440-77661-14	Water	20140506		Stage 2B			X	X		
440-77661-1	PC-79	440-77661-15	Water	20140506		Stage 2B			X	X		
440-77661-1	PC-82	440-77661-16	Water	20140506		Stage 2B			X	X		
440-77661-1	PC-96	440-77661-17	Water	20140506		Stage 2B			X	X		
440-77893-1	ART-6	440-77893-19	Water	20140507		Stage 4			X	X		
440-77893-1	DUP-3	440-77893-18	Water	20140507	FD3	Stage 4			X	X		
440-77893-1	HM-2	440-77893-20	Water	20140507		Stage 4			X	X		
440-77893-1	HM-2DUP	440-77893-20DUP	Water	20140507	DUP	Stage 4				X		

TABLE I - Sample Cross-Reference

SDG	Client Sample ID	Lab Sample ID	Matrix	Sample Date	QC Type	Validation Level	TSS (SM2540D)	F (SM4500F-C)	TDS (SM2540C)	pH (SM4500-H+B)	TOC (SM5310C)	TOX (9020B)
440-77893-1	HMW-13	440-77893-16	Water	20140507		Stage 4			X	X		
440-77893-1	HMW-14	440-77893-15	Water	20140507		Stage 4			X	X		
440-77893-1	HMW-15	440-77893-14	Water	20140507		Stage 4			X	X		
440-77893-1	HMW-16	440-77893-13	Water	20140507		Stage 4			X	X		
440-77893-1	PC-107	440-77893-17	Water	20140507		Stage 4			X	X		
440-77893-1	PC-134A	440-77893-11	Water	20140507		Stage 4			X	X		
440-77893-1	PC-134ADUP	440-77893-11DUP	Water	20140507	DUP	Stage 4			X			
440-77893-1	PC-134AMS	440-77893-11MS	Water	20140507	MS	Stage 4						
440-77893-1	PC-134AMSD	440-77893-11MSD	Water	20140507	MSD	Stage 4						
440-77893-1	PC-135A	440-77893-12	Water	20140507		Stage 4			X	X		
440-77893-1	PC-136	440-77893-8	Water	20140507		Stage 4			X	X		
440-77893-1	PC-137	440-77893-7	Water	20140507		Stage 4			X	X		
440-77893-1	PC-142	440-77893-5	Water	20140507	FD3	Stage 4			X	X		
440-77893-1	PC-143	440-77893-4	Water	20140507		Stage 4			X	X		
440-77893-1	PC-144	440-77893-10	Water	20140507		Stage 4			X	X		
440-77893-1	PC-145	440-77893-6	Water	20140507		Stage 4			X	X		
440-77893-1	PC-148	440-77893-1	Water	20140507		Stage 4			X	X		
440-77893-1	PC-148DUP	440-77893-1DUP	Water	20140507	DUP	Stage 4			X	X		
440-77893-1	PC-148MS	440-77893-1MS	Water	20140507	MS	Stage 4						
440-77893-1	PC-148MSD	440-77893-1MSD	Water	20140507	MSD	Stage 4						
440-77893-1	PC-149	440-77893-2	Water	20140507		Stage 4			X	X		
440-77893-1	PC-150	440-77893-3	Water	20140507		Stage 4			X	X		
440-77893-1	PC-2	440-77893-9	Water	20140507		Stage 4			X	X		
440-77965-1	AA-01	440-77965-22	Water	20140508		Stage 2B			X	X		
440-77965-1	DUP-4	440-77965-21	Water	20140508	FD4	Stage 2B			X	X		
440-77965-1	EB-2	440-77965-12	Water	20140508	EB	Stage 2B			X	X		
440-77965-1	H-48	440-77965-14	Water	20140508		Stage 2B			X	X		
440-77965-1	H-58A	440-77965-15	Water	20140508		Stage 2B			X	X		
440-77965-1	M-44	440-77965-19	Water	20140508	FD4	Stage 2B			X	X		
440-77965-1	M-48A	440-77965-9	Water	20140508		Stage 2B			X	X		
440-77965-1	M-95	440-77965-20	Water	20140508		Stage 2B			X	X		
440-77965-1	MC-65	440-77965-11	Water	20140508		Stage 2B			X	X		
440-77965-1	MC-65DUP	440-77965-11DUP	Water	20140508	DUP	Stage 2B			X			
440-77965-1	MC-65MS	440-77965-11MS	Water	20140508	MS	Stage 2B						
440-77965-1	MC-65MSD	440-77965-11MSD	Water	20140508	MSD	Stage 2B						
440-77965-1	PC-21A	440-77965-8	Water	20140508		Stage 2B			X	X		
440-77965-1	PC-28	440-77965-1	Water	20140508		Stage 2B			X	X		
440-77965-1	PC-28DUP	440-77965-1DUP	Water	20140508	DUP	Stage 2B			X	X		
440-77965-1	PC-28MS	440-77965-1MS	Water	20140508	MS	Stage 2B						
440-77965-1	PC-28MSD	440-77965-1MSD	Water	20140508	MSD	Stage 2B						
440-77965-1	PC-31	440-77965-2	Water	20140508		Stage 2B			X	X		

TABLE I - Sample Cross-Reference

SDG	Client Sample ID	Lab Sample ID	Matrix	Sample Date	QC Type	Validation Level	TSS (SM2540D)	F (SM4500F-C)	TDS (SM2540C)	pH (SM4500-H+B)	TOC (SM5310C)	TOX (9020B)
440-77965-1	PC-37	440-77965-10	Water	20140508		Stage 2B			X	X		
440-77965-1	PC-40	440-77965-13	Water	20140508		Stage 2B			X	X		
440-77965-1	PC-54	440-77965-7	Water	20140508		Stage 2B			X	X		
440-77965-1	PC-64	440-77965-3	Water	20140508		Stage 2B			X	X		
440-77965-1	PC-65	440-77965-4	Water	20140508		Stage 2B			X	X		
440-77965-1	PC-66	440-77965-5	Water	20140508		Stage 2B			X	X		
440-77965-1	PC-67	440-77965-6	Water	20140508		Stage 2B			X	X		
440-77965-1	PC-71	440-77965-18	Water	20140508		Stage 2B			X	X		
440-77965-1	PC-72	440-77965-17	Water	20140508		Stage 2B			X	X		
440-77965-1	PC-72DUP	440-77965-17DUP	Water	20140508	DUP	Stage 2B				X		
440-77965-1	PC-73	440-77965-16	Water	20140508		Stage 2B			X	X		
440-78104-1	FB-1_2	440-78104-1	Water	2E+07	FB	Stage 2B			X	X		
440-78114-1	H-28A	440-78114-1	Water	20140509		Stage 2B			X	X	X	X
440-78114-1	H-28AMS	440-78114-1MS	Water	20140509	MS	Stage 2B					X	
440-78114-1	H-28AMSD	440-78114-1MSD	Water	20140509	MSD	Stage 2B					X	
440-78114-1	M-6A	440-78114-2	Water	20140509		Stage 2B			X	X	X	X
440-78114-1	M-6AMS	440-78114-2MS	Water	20140509	MS	Stage 2B						
440-78114-1	M-6AMSD	440-78114-2MSD	Water	20140509	MSD	Stage 2B						
440-78118-1	FB-1_2	440-78118-13	Water	20140509	FB	Stage 2B						
440-78118-1	M-23	440-78118-12	Water	20140509		Stage 2B			X	X		
440-78118-1	M-23DUP	440-78118-12DUP	Water	20140509	DUP	Stage 2B				X		
440-78118-1	MC-29	440-78118-4	Water	20140509		Stage 2B			X	X		
440-78118-1	MC-3	440-78118-1	Water	20140509		Stage 2B			X	X		
440-78118-1	MC-3DUP	440-78118-1DUP	Water	20140509	DUP	Stage 2B			X			
440-78118-1	MC-45	440-78118-5	Water	20140509		Stage 2B			X	X		
440-78118-1	MC-45DUP	440-78118-5DUP	Water	20140509	DUP	Stage 2B				X		
440-78118-1	MC-50	440-78118-6	Water	20140509		Stage 2B			X	X		
440-78118-1	MC-51	440-78118-7	Water	20140509		Stage 2B			X	X		
440-78118-1	MC-53	440-78118-8	Water	20140509		Stage 2B			X	X		
440-78118-1	MC-53MS	440-78118-8MS	Water	20140509	MS	Stage 2B						
440-78118-1	MC-53MSD	440-78118-8MSD	Water	20140509	MSD	Stage 2B						
440-78118-1	MC-6	440-78118-2	Water	20140509		Stage 2B			X	X		
440-78118-1	MC-69	440-78118-9	Water	20140509		Stage 2B			X	X		
440-78118-1	MC-7	440-78118-3	Water	20140509		Stage 2B			X	X		
440-78118-1	MC-93	440-78118-10	Water	20140509		Stage 2B			X	X		
440-78118-1	MC-97	440-78118-11	Water	20140509		Stage 2B			X	X		
440-78118-1	MC-97DUP	440-78118-11DUP	Water	20140509	DUP	Stage 2B			X			
440-78202-1	DUP-5	440-78202-21	Water	20140512	FD5	Stage 2B			X	X		
440-78202-1	DUP-5MS	440-78202-21MS	Water	20140512	MS	Stage 2B						
440-78202-1	DUP-5MSD	440-78202-21MSD	Water	20140512	MSD	Stage 2B						
440-78202-1	M-126	440-78202-16	Water	20140512		Stage 2B			X	X		

TABLE I - Sample Cross-Reference

SDG	Client Sample ID	Lab Sample ID	Matrix	Sample Date	QC Type	Validation Level	TSS (SM2540D)	F (SM4500F-C)	TDS (SM2540C)	pH (SM4500-H+B)	TOC (SM5310C)	TOX (9020B)
440-78202-1	M-131	440-78202-14	Water	20140512		Stage 2B			X	X		
440-78202-1	M-134	440-78202-13	Water	20140512		Stage 2B			X	X		
440-78202-1	M-135	440-78202-12	Water	20140512		Stage 2B			X	X		
440-78202-1	M-136	440-78202-11	Water	20140512		Stage 2B			X	X		
440-78202-1	M-136DUP	440-78202-11DUP	Water	20140512	DUP	Stage 2B			X			
440-78202-1	M-136MS	440-78202-11MS	Water	20140512	MS	Stage 2B						
440-78202-1	M-136MSD	440-78202-11MSD	Water	20140512	MSD	Stage 2B						
440-78202-1	M-140	440-78202-8	Water	20140512		Stage 2B			X	X		
440-78202-1	M-14A	440-78202-5	Water	20140512		Stage 2B			X	X		
440-78202-1	M-22A	440-78202-4	Water	20140512		Stage 2B			X	X		
440-78202-1	M-25	440-78202-18	Water	20140512		Stage 2B			X	X		
440-78202-1	M-25DUP	440-78202-18DUP	Water	20140512	DUP	Stage 2B				X		
440-78202-1	M-37	440-78202-19	Water	20140512		Stage 2B			X	X		
440-78202-1	M-38	440-78202-20	Water	20140512		Stage 2B			X	X		
440-78202-1	M-57A	440-78202-15	Water	20140512	FD5	Stage 2B			X	X		
440-78202-1	M-64	440-78202-1	Water	20140512		Stage 2B			X	X		
440-78202-1	M-64DUP	440-78202-1DUP	Water	20140512	DUP	Stage 2B			X	X		
440-78202-1	M-65	440-78202-2	Water	20140512		Stage 2B			X	X		
440-78202-1	M-65MS	440-78202-2MS	Water	20140512	MS	Stage 2B						
440-78202-1	M-65MSD	440-78202-2MSD	Water	20140512	MSD	Stage 2B						
440-78202-1	M-66	440-78202-3	Water	20140512		Stage 2B			X	X		
440-78202-1	M-69	440-78202-10	Water	20140512		Stage 2B			X	X		
440-78202-1	M-79	440-78202-9	Water	20140512		Stage 2B			X	X		
440-78202-1	M-92	440-78202-6	Water	20140512		Stage 2B			X	X		
440-78202-1	M-97	440-78202-7	Water	20140512		Stage 2B			X	X		
440-78202-1	MW-16	440-78202-17	Water	20140512		Stage 2B			X	X		
440-78211-1	M-5A	440-78211-1	Water	20140512		Stage 2B			X	X	X	X
440-78211-1	M-5ADUP	440-78211-1DUP	Water	20140512	DUP	Stage 2B				X		
440-78211-1	M-7B	440-78211-2	Water	20140512		Stage 2B			X	X	X	X
440-78309-1	DUP-6	440-78309-11	Water	20140513	FD6	Stage 2B			X	X		
440-78309-1	DUP-6DUP	440-78309-11DUP	Water	20140513	DUP	Stage 2B			X	X		
440-78309-1	DUP-6MS	440-78309-11MS	Water	20140513	MS	Stage 2B						
440-78309-1	DUP-6MSD	440-78309-11MSD	Water	20140513	MSD	Stage 2B						
440-78309-1	FB-2	440-78309-12	Water	20140513	FB	Stage 2B			X	X		
440-78309-1	FB-2MS	440-78309-12MS	Water	20140513	MS	Stage 2B						
440-78309-1	FB-2MSD	440-78309-12MSD	Water	20140513	MSD	Stage 2B						
440-78309-1	I-AD	440-78309-4	Water	20140513		Stage 2B			X	X		
440-78309-1	I-I	440-78309-24	Water	20140513		Stage 2B			X	X		
440-78309-1	I-IDUP	440-78309-24DUP	Water	20140513	DUP	Stage 2B				X		
440-78309-1	I-J	440-78309-2	Water	20140513		Stage 2B			X	X		
440-78309-1	I-JDUP	440-78309-2DUP	Water	20140513	DUP	Stage 2B			X			

TABLE I - Sample Cross-Reference

SDG	Client Sample ID	Lab Sample ID	Matrix	Sample Date	QC Type	Validation Level	TSS (SM2540D)	F (SM4500F-C)	TDS (SM2540C)	pH (SM4500-H+B)	TOC (SM5310C)	TOX (9020B)
440-78309-1	I-K	440-78309-3	Water	20140513		Stage 2B			X	X		
440-78309-1	I-V	440-78309-23	Water	20140513		Stage 2B			X	X		
440-78309-1	I-Z	440-78309-1	Water	20140513		Stage 2B			X	X		
440-78309-1	I-ZDUP	440-78309-1DUP	Water	20140513	DUP	Stage 2B			X			
440-78309-1	I-ZMS	440-78309-1MS	Water	20140513	MS	Stage 2B						
440-78309-1	I-ZMSD	440-78309-1MSD	Water	20140513	MSD	Stage 2B						
440-78309-1	M-115	440-78309-13	Water	20140513		Stage 2B			X	X		
440-78309-1	M-19	440-78309-18	Water	20140513		Stage 2B			X	X		
440-78309-1	M-2A	440-78309-16	Water	20140513		Stage 2B			X	X		
440-78309-1	M-35	440-78309-17	Water	20140513	FD6	Stage 2B			X	X		
440-78309-1	M-67	440-78309-22	Water	20140513		Stage 2B			X	X		
440-78309-1	M-68	440-78309-19	Water	20140513		Stage 2B			X	X		
440-78309-1	M-70	440-78309-8	Water	20140513		Stage 2B			X	X		
440-78309-1	M-71	440-78309-9	Water	20140513		Stage 2B			X	X		
440-78309-1	M-72	440-78309-10	Water	20140513		Stage 2B			X	X		
440-78309-1	M-73	440-78309-21	Water	20140513		Stage 2B			X	X		
440-78309-1	M-74	440-78309-20	Water	20140513		Stage 2B			X	X		
440-78309-1	M-75	440-78309-14	Water	20140513		Stage 2B			X	X		
440-78309-1	M-76	440-78309-15	Water	20140513		Stage 2B			X	X		
440-78309-1	M-80	440-78309-6	Water	20140513		Stage 2B			X	X		
440-78309-1	M-81A	440-78309-5	Water	20140513		Stage 2B			X	X		
440-78309-1	M-83	440-78309-7	Water	20140513		Stage 2B			X	X		
440-78401-1	M-118	440-78401-3	Water	20140513		Stage 2B			X	X		
440-78401-1	M-118MS	440-78401-3MS	Water	20140513	MS	Stage 2B						
440-78401-1	M-118MSD	440-78401-3MSD	Water	20140513	MSD	Stage 2B						
440-78401-1	M-120	440-78401-2	Water	20140513		Stage 2B			X	X		
440-78401-1	M-120DUP	440-78401-2DUP	Water	20140513	DUP	Stage 2B			X			
440-78401-1	M-121	440-78401-4	Water	20140513		Stage 2B			X	X		
440-78401-1	TR-10	440-78401-6	Water	20140513		Stage 2B			X	X		
440-78401-1	TR-10DUP	440-78401-6DUP	Water	20140513	DUP	Stage 2B				X		
440-78401-1	TR-2	440-78401-1	Water	20140512		Stage 2B			X	X		
440-78401-1	TR-2DUP	440-78401-1DUP	Water	20140512	DUP	Stage 2B				X		
440-78401-1	TR-6	440-78401-7	Water	20140513		Stage 2B			X	X		
440-78401-1	TR-9	440-78401-5	Water	20140513		Stage 2B			X	X		
440-78428-1	DUP-7	440-78428-15	Water	20140514	FD7	Stage 2B			X	X		
440-78428-1	EB-3	440-78428-14	Water	20140514	EB	Stage 2B			X	X		
440-78428-1	H-11	440-78428-5	Water	20140514		Stage 2B			X	X		
440-78428-1	M-123	440-78428-2	Water	20140514		Stage 2B			X	X		
440-78428-1	M-124	440-78428-4	Water	20140514		Stage 2B			X	X		
440-78428-1	M-124DUP	440-78428-4DUP	Water	20140514	DUP	Stage 2B				X		
440-78428-1	M-128	440-78428-3	Water	20140514		Stage 2B			X	X		

TABLE I - Sample Cross-Reference

SDG	Client Sample ID	Lab Sample ID	Matrix	Sample Date	QC Type	Validation Level	TSS (SM2540D)	F (SM4500F-C)	TDS (SM2540C)	pH (SM4500-H+B)	TOC (SM5310C)	TOX (9020B)
440-78428-1	M-128DUP	440-78428-3DUP	Water	20140514	DUP	Stage 2B				X		
440-78428-1	M-12A	440-78428-13	Water	20140514	FD7	Stage 2B			X	X		
440-78428-1	M-12AMS	440-78428-13MS	Water	20140514	MS	Stage 2B						
440-78428-1	M-12AMSD	440-78428-13MSD	Water	20140514	MSD	Stage 2B						
440-78428-1	M-132	440-78428-16	Water	20140514		Stage 2B			X	X		
440-78428-1	M-133	440-78428-1	Water	20140514		Stage 2B			X	X		
440-78428-1	M-133DUP	440-78428-1DUP	Water	20140514	DUP	Stage 2B			X			
440-78428-1	M-137	440-78428-6	Water	20140514		Stage 2B			X	X		
440-78428-1	M-138	440-78428-7	Water	20140514		Stage 2B			X	X		
440-78428-1	M-141	440-78428-9	Water	20140514		Stage 2B			X	X		
440-78428-1	M-21	440-78428-12	Water	20140514		Stage 2B			X	X		
440-78428-1	M-31A	440-78428-10	Water	20140514		Stage 2B			X	X		
440-78428-1	M-52	440-78428-11	Water	20140514		Stage 2B			X	X		
440-78428-1	M-52DUP	440-78428-11DUP	Water	20140514	DUP	Stage 2B			X			
440-78428-1	M-77	440-78428-8	Water	20140514		Stage 2B			X	X		
440-78606-1	DUP-8	440-78606-12	Water	20140515	FD8	Stage 2B			X	X		
440-78606-1	EB-4	440-78606-11	Water	20140515	EB	Stage 2B			X	X		
440-78606-1	EB-4DUP	440-78606-11DUP	Water	20140515	DUP	Stage 2B			X			
440-78606-1	M-11	440-78606-10	Water	20140515		Stage 2B			X	X		
440-78606-1	M-125	440-78606-1	Water	20140515		Stage 2B			X	X		
440-78606-1	M-125DUP	440-78606-1DUP	Water	20140515	DUP	Stage 2B			X			
440-78606-1	M-13	440-78606-9	Water	20140515		Stage 2B			X	X		
440-78606-1	M-139	440-78606-2	Water	20140515		Stage 2B			X	X		
440-78606-1	M-142	440-78606-3	Water	20140515		Stage 2B			X	X		
440-78606-1	M-144	440-78606-4	Water	20140515	FD8	Stage 2B			X	X		
440-78606-1	M-145	440-78606-5	Water	20140515		Stage 2B			X	X		
440-78606-1	M-146	440-78606-6	Water	20140515		Stage 2B			X	X		
440-78606-1	M-146MS	440-78606-6MS	Water	20140515	MS	Stage 2B						
440-78606-1	M-146MSD	440-78606-6MSD	Water	20140515	MSD	Stage 2B						
440-78606-1	M-147	440-78606-8	Water	20140515		Stage 2B			X	X		
440-78606-1	M-148A	440-78606-7	Water	20140515		Stage 2B			X	X		
440-78607-1	M-10	440-78607-1	Water	20140515		Stage 2B			X	X		
440-78607-1	M-10MS	440-78607-1MS	Water	20140515	MS	Stage 2B						
440-78607-1	M-10MSD	440-78607-1MSD	Water	20140515	MSD	Stage 2B						
440-78684-1	PC-56	440-78684-7	Water	20140516		Stage 2B			X	X		
440-78684-1	PC-58	440-78684-6	Water	20140516		Stage 2B			X	X		
440-78684-1	PC-59	440-78684-9	Water	20140516		Stage 2B			X	X		
440-78684-1	PC-60	440-78684-8	Water	20140516		Stage 2B			X	X		
440-78684-1	PC-62	440-78684-10	Water	20140516		Stage 2B			X	X		
440-78684-1	PC-68	440-78684-11	Water	20140516		Stage 2B			X	X		
440-78684-1	PC-68DUP	440-78684-11DUP	Water	20140516	DUP	Stage 2B			X			

TABLE I - Sample Cross-Reference

SDG	Client Sample ID	Lab Sample ID	Matrix	Sample Date	QC Type	Validation Level	TSS (SM2540D)	F (SM4500F-C)	TDS (SM2540C)	pH (SM4500-H+B)	TOC (SM5310C)	TOX (9020B)
440-78684-1	PC-86	440-78684-12	Water	20140516		Stage 2B			X	X		
440-78684-1	PC-90	440-78684-2	Water	20140516		Stage 2B			X	X		
440-78684-1	PC-91	440-78684-3	Water	20140516		Stage 2B			X	X		
440-78684-1	PC-92	440-78684-4	Water	20140516		Stage 2B			X	X		
440-78684-1	PC-92MS	440-78684-4MS	Water	20140516	MS	Stage 2B						
440-78684-1	PC-92MSD	440-78684-4MSD	Water	20140516	MSD	Stage 2B						
440-78684-1	PC-94	440-78684-5	Water	20140516		Stage 2B			X	X		
440-78684-1	PC-97	440-78684-1	Water	20140516		Stage 2B			X	X		
440-78684-1	PC-97DUP	440-78684-1DUP	Water	20140516	DUP	Stage 2B			X	X		
440-78686-1	DB-1	440-78686-9	Water	20140515	EB	Stage 4						
440-78686-1	M-117	440-78686-5	Water	20140515		Stage 4			X	X		
440-78686-1	M-156	440-78686-10	Water	20140515		Stage 4			X	X		
440-78686-1	TR-1	440-78686-7	Water	20140515		Stage 4			X	X		
440-78686-1	TR-11	440-78686-8	Water	20140515		Stage 4			X	X		
440-78686-1	TR-3	440-78686-3	Water	20140515		Stage 4			X	X		
440-78686-1	TR-4	440-78686-4	Water	20140515		Stage 4			X	X		
440-78686-1	TR-5	440-78686-6	Water	20140515		Stage 4			X	X		
440-78686-1	TR-7	440-78686-2	Water	20140514		Stage 4			X	X		
440-78686-1	TR-7MS	440-78686-2MS	Water	20140514	MS	Stage 4						
440-78686-1	TR-7MSD	440-78686-2MSD	Water	20140514	MSD	Stage 4						
440-78686-1	TR-8	440-78686-1	Water	20140514		Stage 4			X	X		
440-78686-1	TR-8DUP	440-78686-1DUP	Water	20140514	DUP	Stage 4				X		
440-78689-1	I-AC	440-78689-1	Water	20140516		Stage 2B			X	X		
440-78862-1	ARP-2A	440-78862-6	Water	20140520		Stage 2B			X	X		
440-78862-1	ARP-3A	440-78862-10	Water	20140520		Stage 2B			X	X		
440-78862-1	ARP-4A	440-78862-11	Water	20140520		Stage 2B			X	X		
440-78862-1	ARP-7	440-78862-5	Water	20140520		Stage 2B			X	X		
440-78862-1	ART-7B	440-78862-1	Water	20140520		Stage 2B			X	X		
440-78862-1	ART-7BDUP	440-78862-1DUP	Water	20140520	DUP	Stage 2B			X			
440-78862-1	ART-7BMS	440-78862-1MS	Water	20140520	MS	Stage 2B						
440-78862-1	ART-7BMSD	440-78862-1MSD	Water	20140520	MSD	Stage 2B						
440-78862-1	EB-10	440-78862-9	Water	20140520	EB	Stage 2B						
440-78862-1	M-99	440-78862-14	Water	20140520		Stage 2B			X	X		
440-78862-1	M-99DUP	440-78862-14DUP	Water	20140520	DUP	Stage 2B				X		
440-78862-1	MW-K4	440-78862-12	Water	20140520		Stage 2B			X	X		
440-78862-1	MW-K4DUP	440-78862-12DUP	Water	20140520	DUP	Stage 2B			X			
440-78862-1	MW-K5	440-78862-4	Water	20140520		Stage 2B			X	X		
440-78862-1	PC-101R	440-78862-13	Water	20140520		Stage 2B			X	X		
440-78862-1	PC-101RDUP	440-78862-13DUP	Water	20140520	DUP	Stage 2B				X		
440-78862-1	PC-101RMS	440-78862-13MS	Water	20140520	MS	Stage 2B						
440-78862-1	PC-101RMSD	440-78862-13MSD	Water	20140520	MSD	Stage 2B						

TABLE I - Sample Cross-Reference

SDG	Client Sample ID	Lab Sample ID	Matrix	Sample Date	QC Type	Validation Level	TSS (SM2540D)	F (SM4500F-C)	TDS (SM2540C)	pH (SM4500-H+B)	TOC (SM5310C)	TOX (9020B)
440-78862-1	PC-103	440-78862-7	Water	20140520		Stage 2B			X	X		
440-78862-1	PC-122	440-78862-2	Water	20140520		Stage 2B			X	X		
440-78862-1	PC-122MS	440-78862-2MS	Water	20140520	MS	Stage 2B						
440-78862-1	PC-122MSD	440-78862-2MSD	Water	20140520	MSD	Stage 2B						
440-78862-1	PC-53	440-78862-3	Water	20140520		Stage 2B			X	X		
440-78862-1	PC-98R	440-78862-8	Water	20140520		Stage 2B			X	X		
440-78998-1	EQUIPMENT BLANK	440-78998-2	Water	20140519	EB	Stage 2B			X	X		
440-78998-1	FD-1	440-78998-4	Water	20140519	FD9	Stage 2B			X	X		
440-78998-1	M-150	440-78998-5	Water	20140519		Stage 2B			X	X		
440-78998-1	M-152	440-78998-3	Water	20140519	FD9	Stage 2B			X	X		
440-78998-1	M-154	440-78998-6	Water	20140519		Stage 2B			X	X		
440-78998-1	M-161	440-78998-10	Water	20140520		Stage 2B			X	X		
440-78998-1	M-162	440-78998-8	Water	20140520		Stage 2B			X	X		
440-78998-1	M-162DUP	440-78998-8DUP	Water	20140520	DUP	Stage 2B				X		
440-78998-1	M-163	440-78998-9	Water	20140520		Stage 2B			X	X		
440-78998-1	M-164	440-78998-7	Water	20140519		Stage 2B			X	X		
440-78998-1	M-164DUP	440-78998-7DUP	Water	20140519	DUP	Stage 2B				X		
440-78998-1	M-182	440-78998-11	Water	20140520		Stage 2B			X	X		
440-78998-1	TR-12	440-78998-1	Water	20140519		Stage 2B			X	X		
440-79035-1	ARP-1	440-79035-1	Water	20140521		Stage 2B			X	X		
440-79035-1	ARP-1DUP	440-79035-1DUP	Water	20140521	DUP	Stage 2B				X		
440-79035-1	ARP-1MS	440-79035-1MS	Water	20140521	MS	Stage 2B						
440-79035-1	ARP-1MSD	440-79035-1MSD	Water	20140521	MSD	Stage 2B						
440-79035-1	ARP-5A	440-79035-4	Water	20140521		Stage 2B			X	X		
440-79035-1	ARP-6B	440-79035-5	Water	20140521		Stage 2B			X	X		
440-79035-1	PC-18	440-79035-2	Water	20140521		Stage 2B			X	X		
440-79035-1	PC-4	440-79035-6	Water	20140521		Stage 2B			X	X		
440-79035-1	PC-55	440-79035-3	Water	20140521		Stage 2B			X	X		
440-79170-1	M-149	440-79170-5	Water	20140522		Stage 2B			X	X		
440-79170-1	M-151	440-79170-3	Water	20140521		Stage 2B			X	X		
440-79170-1	M-151MS	440-79170-3MS	Water	20140521	MS	Stage 2B						
440-79170-1	M-151MSD	440-79170-3MSD	Water	20140521	MSD	Stage 2B						
440-79170-1	M-153	440-79170-6	Water	20140522		Stage 2B			X	X		
440-79170-1	M-155	440-79170-2	Water	20140521		Stage 2B			X	X		
440-79170-1	M-165	440-79170-4	Water	20140521		Stage 2B			X	X		
440-79170-1	M-181	440-79170-1	Water	20140521		Stage 2B			X	X		
440-79170-1	M-186	440-79170-7	Water	20140522		Stage 2B			X	X		
440-79170-1	M-186DUP	440-79170-7DUP	Water	20140522	DUP	Stage 2B			X	X		
440-79884-1	ART-1	440-79884-1	Water	20140603		Stage 2B			X			
440-79884-1	ART-1DUP	440-79884-1DUP	Water	20140603	DUP	Stage 2B			X			
440-79884-1	ART-2	440-79884-2	Water	20140603		Stage 2B			X			

TABLE I - Sample Cross-Reference

SDG	Client Sample ID	Lab Sample ID	Matrix	Sample Date	QC Type	Validation Level	TSS (SM2540D)	F (SM4500F-C)	TDS (SM2540C)	pH (SM4500-H+B)	TOC (SM5310C)	TOX (9020B)
440-79884-1	ART-3	440-79884-3	Water	20140603		Stage 2B			X			
440-79884-1	ART-4	440-79884-4	Water	20140603		Stage 2B			X			
440-79884-1	ART-6	440-79884-5	Water	20140603		Stage 2B			X			
440-79884-1	ART-7	440-79884-6	Water	20140603		Stage 2B			X			
440-79884-1	ART-8	440-79884-7	Water	20140603		Stage 2B			X			
440-79884-1	ART-9	440-79884-8	Water	20140603		Stage 2B			X			
440-79884-1	PC-115R	440-79884-10	Water	20140603		Stage 2B			X			
440-79884-1	PC-116R	440-79884-11	Water	20140603		Stage 2B			X			
440-79884-1	PC-116RDUP	440-79884-11DUP	Water	20140603	DUP	Stage 2B			X			
440-79884-1	PC-117	440-79884-12	Water	20140603		Stage 2B			X			
440-79884-1	PC-118	440-79884-13	Water	20140603		Stage 2B			X			
440-79884-1	PC-119	440-79884-14	Water	20140603		Stage 2B			X			
440-79884-1	PC-120	440-79884-15	Water	20140603		Stage 2B			X			
440-79884-1	PC-121	440-79884-16	Water	20140603		Stage 2B			X			
440-79884-1	PC-133	440-79884-17	Water	20140603		Stage 2B			X			
440-79884-1	PC-99R2/R3	440-79884-9	Water	20140603		Stage 2B			X			
440-80727-1	PC-56	440-80727-5	Water	20140611		Stage 2B			X			
440-80727-1	PC-58	440-80727-4	Water	20140611		Stage 2B			X			
440-80727-1	PC-59	440-80727-7	Water	20140611		Stage 2B			X			
440-80727-1	PC-60	440-80727-6	Water	20140611		Stage 2B			X			
440-80727-1	PC-62	440-80727-8	Water	20140611		Stage 2B			X			
440-80727-1	PC-68	440-80727-9	Water	20140611		Stage 2B			X			
440-80727-1	PC-86	440-80727-10	Water	20140611		Stage 2B			X			
440-80727-1	PC-90	440-80727-2	Water	20140611		Stage 2B			X			
440-80727-1	PC-91	440-80727-3	Water	20140611		Stage 2B			X			
440-80727-1	PC-97	440-80727-1	Water	20140611		Stage 2B			X			
440-80727-1	PC-97DUP	440-80727-1DUP	Water	20140611	DUP	Stage 2B			X			
440-80787-1	ARP-1	440-80787-1	Water	20140612		Stage 4			X			
440-80787-1	ARP-2A	440-80787-14	Water	20140612		Stage 4			X			
440-80787-1	ARP-3A	440-80787-12	Water	20140612		Stage 4			X			
440-80787-1	ARP-4A	440-80787-9	Water	20140612		Stage 4			X			
440-80787-1	ARP-5A	440-80787-8	Water	20140612		Stage 4			X			
440-80787-1	ARP-6B	440-80787-7	Water	20140612		Stage 4			X			
440-80787-1	ARP-7	440-80787-6	Water	20140612		Stage 4			X			
440-80787-1	ARP-7DUP	440-80787-6DUP	Water	20140612	DUP	Stage 4			X			
440-80787-1	EB-1	440-80787-13	Water	20140612	EB	Stage 4						
440-80787-1	MW-K4	440-80787-11	Water	20140612		Stage 4			X			
440-80787-1	MW-K5	440-80787-5	Water	20140612		Stage 4			X			
440-80787-1	PC-101R	440-80787-10	Water	20140612		Stage 4			X			
440-80787-1	PC-103	440-80787-15	Water	20140612		Stage 4			X			
440-80787-1	PC-122	440-80787-3	Water	20140612		Stage 4			X			

TABLE I - Sample Cross-Reference

SDG	Client Sample ID	Lab Sample ID	Matrix	Sample Date	QC Type	Validation Level	TSS (SM2540D)	F (SM4500F-C)	TDS (SM2540C)	pH (SM4500-H+B)	TOC (SM5310C)	TOX (9020B)
440-80787-1	PC-18	440-80787-2	Water	20140612		Stage 4			X			
440-80787-1	PC-53	440-80787-4	Water	20140612		Stage 4			X			
440-80787-1	PC-98R	440-80787-16	Water	20140612		Stage 4			X			
440-80918-1	M-83	440-80918-1	Water	20140613		Stage 2B			X			
440-80918-1	PC-55	440-80918-2	Water	20140613		Stage 2B			X			

TABLE II

Table II. Qualification 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	duel 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 III

Table III. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	PQL	Units	Validator Qualifier	Reason Code	Reason Code Definition	Qualification Finding	
467090	ART-9	20140203	200.7	7440-23-5	Sodium Dissolved ICAP	1000		1.1	mg/l	J-CAB	o	Ion Balance %D	5.5	%
467090	ART-9	20140203	200.7	7440-09-7	Potassium Dissolved ICAP	14		1.3	mg/l	J-CAB	o	Ion Balance %D	5.5	%
467090	ART-9	20140203	200.7	7439-95-4	Magnesium Dissolved ICAP	230		0.030	mg/l	J-CAB	o	Ion Balance %D	5.5	%
467090	ART-9	20140203	200.7	7440-70-2	Calcium Dissolved ICAP	590		1.2	mg/l	J-CAB	o	Ion Balance %D	5.5	%
440-70471-1	PC-18	20140214	200.7	7440-47-3	Chromium	0.13		0.0020	mg/l	J+	m	Matrix Spike %R	127	%
440-77893-1	DUP-3	20140507	200.7	7440-47-3	Chromium	0.010		0.0020	mg/l	J	fd	Field Duplicate	0.03	mg/L
440-77893-1	PC-142	20140507	200.7	7440-47-3	Chromium	0.040		0.0020	mg/l	J	fd	Field Duplicate	0.03	mg/L
440-78428-1	M-124	20140514	200.7	7440-47-3	Chromium	0.065		0.010	mg/l	J	be	Equipment Blank	0.080	mg/L
440-78428-1	M-132	20140514	200.7	7440-47-3	Chromium	0.18		0.010	mg/l	J	be	Equipment Blank	0.080	mg/L
440-78428-1	M-137	20140514	200.7	7440-47-3	Chromium	0.096		0.010	mg/l	J	be	Equipment Blank	0.080	mg/L
440-78428-1	M-138	20140514	200.7	7440-47-3	Chromium	0.077		0.010	mg/l	J	be	Equipment Blank	0.080	mg/L
440-78428-1	M-21	20140514	200.7	7440-47-3	Chromium	0.61		0.010	mg/l	J	be	Equipment Blank	0.080	mg/L
440-78428-1	M-77	20140514	200.7	7440-47-3	Chromium	0.54		0.010	mg/l	J	be	Equipment Blank	0.080	mg/L
468765	PC-91	20140212	200.8	7440-47-3	Chromium Total ICAP/MS	0.72	J	0.088	ug/l	J+	c	Calibration	117	%
440-68948-1	I-AC	20140203	218.6	18540-29-9	Chromium, hexavalent	1000		5.0	ug/l	J-	m	Matrix Spike %R	68	%
467090	ART-4A	20140203	218.6	18540-29-9	Hexavalent chromium(Dissolved)	590		0.45	ug/l	J-	h	Holding Time	4	Days
467090	PC-117	20140203	218.6	18540-29-9	Hexavalent chromium(Dissolved)	0.36		0.0090	ug/l	J-	h	Holding Time	4	Days
468765	PC-91	20140212	218.6	18540-29-9	Hexavalent chromium(Dissolved)	1.1		0.0090	ug/l	J-	h	Holding Time	49.25	Hours
440-77965-1	DUP-4	20140508	218.6	18540-29-9	Chromium, hexavalent	940	H	5.0	ug/l	J-	h	Holding Time	25.5	Hours
440-77965-1	EB-2	20140508	218.6	18540-29-9	Chromium, hexavalent		UH	0.25	ug/l	UJ	h	Holding Time	27	Hours
440-77965-1	M-44	20140508	218.6	18540-29-9	Chromium, hexavalent	940	H	5.0	ug/l	J-	h	Holding Time	25.5	Hours
440-77965-1	M-95	20140508	218.6	18540-29-9	Chromium, hexavalent	600	H	5.0	ug/l	J-	h	Holding Time	26.25	Hours
440-78202-1	DUP-5	20140512	218.6	18540-29-9	Chromium, hexavalent	58	H	5.0	ug/l	J-	h	Holding Time	3	Days
440-78202-1	M-38	20140512	218.6	18540-29-9	Chromium, hexavalent	18000	H	500	ug/l	J-	h	Holding Time	3	Days
440-69679-1	I-Y	20140207	300.0	14797-55-8	Nitrate as N	140	H	2.8	mg/l	J-	h	Holding Time	3	Days
440-77661-1	DUP-2	20140506	300.0	14797-55-8	Nitrate as N	1.2	JH	1.1	mg/l	J-	h,m	Holding Time	50.5	Hours
												Matrix Spike %R	72	%
440-77661-1	PC-124	20140506	300.0	14797-55-8	Nitrate as N	27	H	1.1	mg/l	J-	h,m	Holding Time	49	Hours
												Matrix Spike %R	72	%
440-77661-1	PC-126	20140506	300.0	14797-55-8	Nitrate as N	23	H	1.1	mg/l	J-	h,m	Holding Time	49.25	Hours
												Matrix Spike %R	72	%
440-77661-1	PC-128	20140506	300.0	14797-55-8	Nitrate as N	20	H	1.1	mg/l	J-	h,m	Holding Time	50	Hours
												Matrix Spike %R	72	%
440-77661-1	PC-130	20140506	300.0	14797-55-8	Nitrate as N	29	H	1.1	mg/l	J-	h,m	Holding Time	50	Hours
												Matrix Spike %R	72	%
440-77661-1	PC-132	20140506	300.0	14797-55-8	Nitrate as N	1.2	JH	1.1	mg/l	J-	h,m	Holding Time	49.25	Hours
												Matrix Spike %R	72	%
440-77661-1	PC-82	20140506	300.0	14797-55-8	Nitrate as N	0.12	J	0.11	mg/l	J-	m	Matrix Spike %R	72	%
440-77893-1	PC-2	20140507	300.0	14797-55-8	Nitrate as N	13	H	0.55	mg/l	J-	h	Holding Time	49.25	Hours
440-78684-1	PC-86	20140516	300.0	14797-55-8	Nitrate as N	0.42	H	0.11	mg/l	J-	h	Holding Time	5	Days
467090	ART-9	20140203	300.0	NO3	Nitrate as Nitrogen by IC	22		0.25	mg/l	J-CAB	o	Ion Balance %D	5.5	%
467090	ART-9	20140203	300.0	16887-00-6	Chloride	1100		1.2	mg/l	J-CAB	o	Ion Balance %D	5.5	%
467090	ART-9	20140203	300.0	14808-79-8	Sulfate	2400		3.0	mg/l	J-CAB	o	Ion Balance %D	5.5	%

Table III. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	PQL	Units	Validator Qualifier	Reason Code	Reason Code Definition	Qualification Finding	
440-78114-1	H-28A	20140509	420.1	64743-03-9	Phenolics, Total Recoverable		U	0.025	mg/l	UJ	m	Matrix Spike %R	74/74	%
440-78114-1	M-6A	20140509	420.1	64743-03-9	Phenolics, Total Recoverable		U	0.025	mg/l	UJ	m	Matrix Spike %R	68/74	%
440-78211-1	M-5A	20140512	420.1	64743-03-9	Phenolics, Total Recoverable		U	0.025	mg/l	UJ	m	Matrix Spike %R	68/74	%
440-78211-1	M-7B	20140512	420.1	64743-03-9	Phenolics, Total Recoverable		U	0.025	mg/l	UJ	m	Matrix Spike %R	68/74	%
467090	ART-9	20140203	SM2320B	Alk as CaCO3	Alkalinity in CaCO3 units	96		0.83	mg/l	J-CAB	o	Ion Balance %D	5.5	%
467090	ART-9	20140203	SM4500F-C	16984-48-8	Fluoride	1.1		0.0070	mg/l	J-CAB	o	Ion Balance %D	5.5	%
440-68971-1	ART-1	20140203	SM4500-H+B	C-006	pH	7.56	HF	0.100	s.u.	J	h	Holding Time	53.25	Hours
440-68971-1	ART-2	20140203	SM4500-H+B	C-006	pH	7.31	HF	0.100	s.u.	J	h	Holding Time	53.25	Hours
440-68971-1	ART-3	20140203	SM4500-H+B	C-006	pH	7.32	HF	0.100	s.u.	J	h	Holding Time	53	Hours
440-68971-1	ART-4	20140203	SM4500-H+B	C-006	pH	7.44	HF	0.100	s.u.	J	h	Holding Time	53	Hours
440-68971-1	ART-6	20140203	SM4500-H+B	C-006	pH	7.47	HF	0.100	s.u.	J	h	Holding Time	52.25	Hours
440-68971-1	ART-7	20140203	SM4500-H+B	C-006	pH	7.43	HF	0.100	s.u.	J	h	Holding Time	52.75	Hours
440-68971-1	ART-8	20140203	SM4500-H+B	C-006	pH	7.29	HF	0.100	s.u.	J	h	Holding Time	52.75	Hours
440-68971-1	ART-9	20140203	SM4500-H+B	C-006	pH	7.52	HF	0.100	s.u.	J	h	Holding Time	52.75	Hours
440-68971-1	PC-115R	20140203	SM4500-H+B	C-006	pH	7.50	HF	0.100	s.u.	J	h	Holding Time	51.5	Hours
440-68971-1	PC-116R	20140203	SM4500-H+B	C-006	pH	7.45	HF	0.100	s.u.	J	h	Holding Time	51.75	Hours
440-68971-1	PC-117	20140203	SM4500-H+B	C-006	pH	7.45	HF	0.100	s.u.	J	h	Holding Time	51.5	Hours
440-68971-1	PC-118	20140203	SM4500-H+B	C-006	pH	7.55	HF	0.100	s.u.	J	h	Holding Time	51.5	Hours
440-68971-1	PC-119	20140203	SM4500-H+B	C-006	pH	7.55	HF	0.100	s.u.	J	h	Holding Time	51.75	Hours
440-68971-1	PC-120	20140203	SM4500-H+B	C-006	pH	7.38	HF	0.100	s.u.	J	h	Holding Time	51.25	Hours
440-68971-1	PC-121	20140203	SM4500-H+B	C-006	pH	7.35	HF	0.100	s.u.	J	h	Holding Time	51.25	Hours
440-68971-1	PC-133	20140203	SM4500-H+B	C-006	pH	7.47	HF	0.100	s.u.	J	h	Holding Time	51.75	Hours
440-68971-1	PC-99R2/R3	20140203	SM4500-H+B	C-006	pH	7.41	HF	0.100	s.u.	J	h	Holding Time	51.75	Hours
440-69096-1	M-10	20140204	SM4500-H+B	C-006	pH	7.06	HF	0.100	s.u.	J	h	Holding Time	51	Hours
440-69099-1	I-AR	20140204	SM4500-H+B	C-006	pH	7.38	HF	0.100	s.u.	J	h	Holding Time	52.25	Hours
440-69099-1	I-B	20140204	SM4500-H+B	C-006	pH	7.39	HF	0.100	s.u.	J	h	Holding Time	52.5	Hours
440-69099-1	I-C	20140204	SM4500-H+B	C-006	pH	7.48	HF	0.100	s.u.	J	h	Holding Time	53	Hours
440-69099-1	I-D	20140203	SM4500-H+B	C-006	pH	7.66	HF	0.100	s.u.	J	h	Holding Time	3	Days
440-69099-1	I-E	20140203	SM4500-H+B	C-006	pH	7.26	HF	0.100	s.u.	J	h	Holding Time	3	Days
440-69099-1	I-F	20140203	SM4500-H+B	C-006	pH	7.25	HF	0.100	s.u.	J	h	Holding Time	3	Days
440-69099-1	I-G	20140203	SM4500-H+B	C-006	pH	7.03	HF	0.100	s.u.	J	h	Holding Time	3	Days
440-69099-1	I-H	20140203	SM4500-H+B	C-006	pH	7.37	HF	0.100	s.u.	J	h	Holding Time	3	Days
440-69099-1	I-L	20140204	SM4500-H+B	C-006	pH	7.69	HF	0.100	s.u.	J	h	Holding Time	52.75	Hours
440-69099-1	I-M	20140203	SM4500-H+B	C-006	pH	7.47	HF	0.100	s.u.	J	h	Holding Time	3	Days
440-69099-1	I-N	20140203	SM4500-H+B	C-006	pH	7.41	HF	0.100	s.u.	J	h	Holding Time	3	Days
440-69099-1	I-O	20140203	SM4500-H+B	C-006	pH	7.45	HF	0.100	s.u.	J	h	Holding Time	3	Days
440-69099-1	I-P	20140203	SM4500-H+B	C-006	pH	7.28	HF	0.100	s.u.	J	h	Holding Time	3	Days
440-69099-1	I-Q	20140203	SM4500-H+B	C-006	pH	7.35	HF	0.100	s.u.	J	h	Holding Time	3	Days
440-69099-1	I-R	20140204	SM4500-H+B	C-006	pH	7.35	HF	0.100	s.u.	J	h	Holding Time	52.5	Hours
440-69099-1	I-S	20140204	SM4500-H+B	C-006	pH	7.59	HF	0.100	s.u.	J	h	Holding Time	53	Hours
440-69099-1	I-T	20140203	SM4500-H+B	C-006	pH	7.24	HF	0.100	s.u.	J	h	Holding Time	3	Days
440-69099-1	I-U	20140203	SM4500-H+B	C-006	pH	7.15	HF	0.100	s.u.	J	h	Holding Time	3	Days
440-69099-1	M-11	20140204	SM4500-H+B	C-006	pH	8.00	HF	0.100	s.u.	J	h	Holding Time	50.25	Hours

Table III. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	PQL	Units	Validator Qualifier	Reason Code	Reason Code Definition	Qualification Finding	
440-69099-1	PC-123	20140204	SM4500-H+B	C-006	pH	7.54	HF	0.100	s.u.	J	h	Holding Time	58.75	Hours
440-69099-1	PC-124	20140204	SM4500-H+B	C-006	pH	7.43	HF	0.100	s.u.	J	h	Holding Time	56.75	Hours
440-69099-1	PC-125	20140204	SM4500-H+B	C-006	pH	7.37	HF	0.100	s.u.	J	h	Holding Time	56.5	Hours
440-69099-1	PC-126	20140204	SM4500-H+B	C-006	pH	7.46	HF	0.100	s.u.	J	h	Holding Time	56.5	Hours
440-69099-1	PC-128	20140204	SM4500-H+B	C-006	pH	7.59	HF	0.100	s.u.	J	h	Holding Time	58.25	Hours
440-69099-1	PC-129	20140204	SM4500-H+B	C-006	pH	7.43	HF	0.100	s.u.	J	h	Holding Time	58	Hours
440-69099-1	PC-130	20140204	SM4500-H+B	C-006	pH	7.50	HF	0.100	s.u.	J	h	Holding Time	57.75	Hours
440-69099-1	PC-131	20140204	SM4500-H+B	C-006	pH	7.47	HF	0.100	s.u.	J	h	Holding Time	57.25	Hours
440-69099-1	VD-1	20140204	SM4500-H+B	C-006	pH	7.49	HF	0.100	s.u.	J	h	Holding Time	57.75	Hours
440-69440-1	M-23	20140206	SM4500-H+B	C-006	pH	7.49	HF	0.100	s.u.	J	h	Holding Time	49.5	Hours
440-69440-1	M-64	20140206	SM4500-H+B	C-006	pH	7.50	HF	0.100	s.u.	J	h	Holding Time	49	Hours
440-69440-1	M-65	20140206	SM4500-H+B	C-006	pH	7.33	HF	0.100	s.u.	J	h	Holding Time	48.75	Hours
440-69440-1	M-66	20140206	SM4500-H+B	C-006	pH	7.16	HF	0.100	s.u.	J	h	Holding Time	48.5	Hours
440-69440-1	PC-37	20140206	SM4500-H+B	C-006	pH	7.47	HF	0.100	s.u.	J	h	Holding Time	50.25	Hours
440-69440-1	PC-72	20140206	SM4500-H+B	C-006	pH	7.49	HF	0.100	s.u.	J	h	Holding Time	51	Hours
440-69440-1	PC-73	20140206	SM4500-H+B	C-006	pH	7.45	HF	0.100	s.u.	J	h	Holding Time	50.5	Hours
440-69677-1	M-12A	20140207	SM4500-H+B	C-006	pH	8.09	HF	0.100	s.u.	J	h	Holding Time	3	Days
440-69677-1	M-37	20140207	SM4500-H+B	C-006	pH	7.31	HF	0.100	s.u.	J	h	Holding Time	3	Days
440-69677-1	M-38	20140207	SM4500-H+B	C-006	pH	7.44	HF	0.100	s.u.	J	h	Holding Time	3	Days
440-69677-1	VD-5	20140207	SM4500-H+B	C-006	pH	8.11	HF	0.100	s.u.	J	h	Holding Time	3	Days
440-69678-1	EB-2	20140207	SM4500-H+B	C-006	pH	8.59	HF	0.100	s.u.	J	h	Holding Time	3	Days
440-69678-1	I-AC	20140207	SM4500-H+B	C-006	pH	7.60	HF	0.100	s.u.	J	h	Holding Time	3	Days
440-69678-1	I-AD	20140207	SM4500-H+B	C-006	pH	7.57	HF	0.100	s.u.	J	h	Holding Time	3	Days
440-69678-1	I-K	20140207	SM4500-H+B	C-006	pH	7.45	HF	0.100	s.u.	J	h	Holding Time	3	Days
440-69678-1	I-V	20140207	SM4500-H+B	C-006	pH	7.48	HF	0.100	s.u.	J	h	Holding Time	3	Days
440-69678-1	M-68	20140207	SM4500-H+B	C-006	pH	7.53	HF	0.100	s.u.	J	h	Holding Time	3	Days
440-69678-1	M-73	20140207	SM4500-H+B	C-006	pH	7.42	HF	0.100	s.u.	J	h	Holding Time	3	Days
440-69678-1	M-74	20140207	SM4500-H+B	C-006	pH	7.55	HF	0.100	s.u.	J	h	Holding Time	3	Days
440-69678-1	M-80	20140207	SM4500-H+B	C-006	pH	7.65	HF	0.100	s.u.	J	h	Holding Time	3	Days
440-69678-1	M-81A	20140207	SM4500-H+B	C-006	pH	7.54	HF	0.100	s.u.	J	h	Holding Time	3	Days
440-69678-1	M-83	20140207	SM4500-H+B	C-006	pH	7.58	HF	0.100	s.u.	J	h	Holding Time	3	Days
440-69678-1	VD-4	20140207	SM4500-H+B	C-006	pH	7.51	HF	0.100	s.u.	J	h	Holding Time	3	Days
440-69696-1	I-I	20140207	SM4500-H+B	C-006	pH	7.54	HF	0.100	s.u.	J	h	Holding Time	3	Days
440-69696-1	I-J	20140207	SM4500-H+B	C-006	pH	7.34	HF	0.100	s.u.	J	h	Holding Time	3	Days
440-69696-1	I-Z	20140207	SM4500-H+B	C-006	pH	7.56	HF	0.100	s.u.	J	h	Holding Time	3	Days
440-69696-1	M-14A	20140207	SM4500-H+B	C-006	pH	7.55	HF	0.100	s.u.	J	h	Holding Time	3	Days
440-69696-1	M-19	20140207	SM4500-H+B	C-006	pH	7.56	HF	0.100	s.u.	J	h	Holding Time	3	Days
440-69696-1	M-22A	20140207	SM4500-H+B	C-006	pH	7.35	HF	0.100	s.u.	J	h	Holding Time	3	Days
440-69696-1	M-25	20140207	SM4500-H+B	C-006	pH	7.44	HF	0.100	s.u.	J	h	Holding Time	3	Days
440-69696-1	M-35	20140207	SM4500-H+B	C-006	pH	7.43	HF	0.100	s.u.	J	h	Holding Time	3	Days
440-69696-1	M-52	20140207	SM4500-H+B	C-006	pH	7.63	HF	0.100	s.u.	J	h	Holding Time	3	Days
440-69696-1	M-57A	20140207	SM4500-H+B	C-006	pH	7.57	HF	0.100	s.u.	J	h	Holding Time	3	Days
440-69696-1	M-67	20140207	SM4500-H+B	C-006	pH	7.48	HF	0.100	s.u.	J	h	Holding Time	3	Days

Table III. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	PQL	Units	Validator Qualifier	Reason Code	Reason Code Definition	Qualification Finding	
440-69820-1	I-AA	20140210	SM4500-H+B	C-006	pH	7.51	HF	0.100	s.u.	J	h	Holding Time	51	Hours
440-69820-1	I-AB	20140210	SM4500-H+B	C-006	pH	7.20	HF	0.100	s.u.	J	h	Holding Time	51.25	Hours
440-69820-1	I-X	20140210	SM4500-H+B	C-006	pH	7.28	HF	0.100	s.u.	J	h	Holding Time	51.75	Hours
440-69820-1	I-Y	20140210	SM4500-H+B	C-006	pH	7.28	HF	0.100	s.u.	J	h	Holding Time	51.5	Hours
440-69820-1	M-99	20140210	SM4500-H+B	C-006	pH	7.44	HF	0.100	s.u.	J	h	Holding Time	50.75	Hours
440-70243-1	PC-56	20140212	SM4500-H+B	C-006	pH	7.43	HF	0.100	s.u.	J	h	Holding Time	5	Days
440-70243-1	PC-58	20140212	SM4500-H+B	C-006	pH	7.40	HF	0.100	s.u.	J	h	Holding Time	5	Days
440-70243-1	PC-59	20140212	SM4500-H+B	C-006	pH	7.43	HF	0.100	s.u.	J	h	Holding Time	5	Days
440-70243-1	PC-60	20140212	SM4500-H+B	C-006	pH	7.28	HF	0.100	s.u.	J	h	Holding Time	5	Days
440-70243-1	PC-62	20140212	SM4500-H+B	C-006	pH	7.41	HF	0.100	s.u.	J	h	Holding Time	5	Days
440-70243-1	PC-68	20140212	SM4500-H+B	C-006	pH	7.37	HF	0.100	s.u.	J	h	Holding Time	5	Days
440-70243-1	PC-86	20140212	SM4500-H+B	C-006	pH	7.40	HF	0.100	s.u.	J	h	Holding Time	5	Days
440-70243-1	PC-90	20140212	SM4500-H+B	C-006	pH	7.45	HF	0.100	s.u.	J	h	Holding Time	3	Days
440-70243-1	PC-91	20140212	SM4500-H+B	C-006	pH	7.35	HF	0.100	s.u.	J	h	Holding Time	5	Days
440-70243-1	PC-92	20140212	SM4500-H+B	C-006	pH	7.33	HF	0.100	s.u.	J	h	Holding Time	3	Days
440-70243-1	PC-94	20140212	SM4500-H+B	C-006	pH	7.13	HF	0.100	s.u.	J	h	Holding Time	5	Days
440-70243-1	PC-97	20140212	SM4500-H+B	C-006	pH	7.44	HF	0.100	s.u.	J	h	Holding Time	3	Days
440-70245-1	I-W	20140211	SM4500-H+B	C-006	pH	6.39	HF	0.100	s.u.	J	h	Holding Time	6	Days
440-70245-1	M-69	20140212	SM4500-H+B	C-006	pH	7.29	HF	0.100	s.u.	J	h	Holding Time	3	Days
440-70421-1	PC-136	20140213	SM4500-H+B	C-006	pH	7.63	HF	0.100	s.u.	J	h	Holding Time	51.5	Days
440-70423-1	ARP-2A	20140213	SM4500-H+B	C-006	pH	7.52	HF	0.100	s.u.	J	h	Holding Time	52	Hours
440-70423-1	ARP-3A	20140213	SM4500-H+B	C-006	pH	7.36	HF	0.100	s.u.	J	h	Holding Time	52.5	Hours
440-70423-1	ARP-4A	20140213	SM4500-H+B	C-006	pH	7.62	HF	0.100	s.u.	J	h	Holding Time	49.25	Hours
440-70423-1	ARP-5A	20140213	SM4500-H+B	C-006	pH	7.69	HF	0.100	s.u.	J	h	Holding Time	49.5	Hours
440-70423-1	ARP-6B	20140213	SM4500-H+B	C-006	pH	7.60	HF	0.100	s.u.	J	h	Holding Time	49.75	Hours
440-70423-1	ARP-7	20140213	SM4500-H+B	C-006	pH	7.51	HF	0.100	s.u.	J	h	Holding Time	50	Hours
440-70423-1	ART-7B	20140213	SM4500-H+B	C-006	pH	7.60	HF	0.100	s.u.	J	h	Holding Time	50.75	Hours
440-70423-1	MW-K4	20140213	SM4500-H+B	C-006	pH	7.39	HF	0.100	s.u.	J	h	Holding Time	52.75	Hours
440-70423-1	MW-K5	20140213	SM4500-H+B	C-006	pH	7.57	HF	0.100	s.u.	J	h	Holding Time	50.25	Hours
440-70423-1	PC-101R	20140213	SM4500-H+B	C-006	pH	7.72	HF	0.100	s.u.	J	h	Holding Time	49	Hours
440-70423-1	PC-103	20140213	SM4500-H+B	C-006	pH	7.35	HF	0.100	s.u.	J	h	Holding Time	51.75	Hours
440-70423-1	PC-122	20140213	SM4500-H+B	C-006	pH	7.59	HF	0.100	s.u.	J	h	Holding Time	50.75	Hours
440-70423-1	PC-53	20140213	SM4500-H+B	C-006	pH	7.63	HF	0.100	s.u.	J	h	Holding Time	50.5	Hours
440-70423-1	PC-98R	20140213	SM4500-H+B	C-006	pH	7.12	HF	0.100	s.u.	J	h	Holding Time	51.25	Hours
440-70471-1	ARP-1	20140214	SM4500-H+B	C-006	pH	7.60	HF	0.100	s.u.	J	h	Holding Time	3	Days
440-70471-1	PC-18	20140214	SM4500-H+B	C-006	pH	7.27	HF	0.100	s.u.	J	h	Holding Time	3	Days
440-70471-1	PC-55	20140214	SM4500-H+B	C-006	pH	7.48	HF	0.100	s.u.	J	h	Holding Time	3	Days
440-77965-1	PC-72	20140508	SM4500-H+B	C-006	pH	7.47	HF	0.100	s.u.	J	h	Holding Time	4	Days
440-78202-1	DUP-5	20140512	SM4500-H+B	C-006	pH	7.76	HF	0.100	s.u.	J	h	Holding Time	52	Hours
440-78202-1	M-38	20140512	SM4500-H+B	C-006	pH	7.39	HF	0.100	s.u.	J	h	Holding Time	49.25	Hours
440-78401-1	M-118	20140513	SM4500-H+B	C-006	pH	8.05	HF	0.100	s.u.	J	h	Holding Time	55	Hours
440-78401-1	M-120	20140513	SM4500-H+B	C-006	pH	8.07	HF	0.100	s.u.	J	h	Holding Time	56	Hours
440-78401-1	M-121	20140513	SM4500-H+B	C-006	pH	7.87	HF	0.100	s.u.	J	h	Holding Time	53.5	Hours

Table III. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	PQL	Units	Validator Qualifier	Reason Code	Reason Code Definition	Qualification Finding	
440-78401-1	TR-10	20140513	SM4500-H+B	C-006	pH	8.00	HF	0.100	s.u.	J	h	Holding Time	50.75	Hours
440-78401-1	TR-2	20140512	SM4500-H+B	C-006	pH	8.26	HF	0.100	s.u.	J	h	Holding Time	3	Days
440-78401-1	TR-9	20140513	SM4500-H+B	C-006	pH	8.20	HF	0.100	s.u.	J	h	Holding Time	52.25	Hours
440-78428-1	DUP-7	20140514	SM4500-H+B	C-006	pH	8.06	HF	0.100	s.u.	J	h	Holding Time	54.25	Hours
440-78428-1	EB-3	20140514	SM4500-H+B	C-006	pH	8.00	HF	0.100	s.u.	J	h	Holding Time	49.5	Hours
440-78428-1	M-12A	20140514	SM4500-H+B	C-006	pH	8.04	HF	0.100	s.u.	J	h	Holding Time	54.25	Hours
440-78684-1	PC-56	20140516	SM4500-H+B	C-006	pH	7.21	HF	0.100	s.u.	J	h	Holding Time	4	Days
440-78684-1	PC-58	20140516	SM4500-H+B	C-006	pH	7.41	HF	0.100	s.u.	J	h	Holding Time	4	Days
440-78684-1	PC-59	20140516	SM4500-H+B	C-006	pH	7.35	HF	0.100	s.u.	J	h	Holding Time	4	Days
440-78684-1	PC-60	20140516	SM4500-H+B	C-006	pH	7.46	HF	0.100	s.u.	J	h	Holding Time	4	Days
440-78684-1	PC-62	20140516	SM4500-H+B	C-006	pH	7.58	HF	0.100	s.u.	J	h	Holding Time	4	Days
440-78684-1	PC-68	20140516	SM4500-H+B	C-006	pH	7.54	HF	0.100	s.u.	J	h	Holding Time	4	Days
440-78684-1	PC-86	20140516	SM4500-H+B	C-006	pH	7.53	HF	0.100	s.u.	J	h	Holding Time	4	Days
440-78684-1	PC-90	20140516	SM4500-H+B	C-006	pH	7.36	HF	0.100	s.u.	J	h	Holding Time	4	Days
440-78684-1	PC-91	20140516	SM4500-H+B	C-006	pH	7.31	HF	0.100	s.u.	J	h	Holding Time	4	Days
440-78684-1	PC-92	20140516	SM4500-H+B	C-006	pH	7.26	HF	0.100	s.u.	J	h	Holding Time	4	Days
440-78684-1	PC-94	20140516	SM4500-H+B	C-006	pH	7.16	HF	0.100	s.u.	J	h	Holding Time	4	Days
440-78684-1	PC-97	20140516	SM4500-H+B	C-006	pH	7.30	HF	0.100	s.u.	J	h	Holding Time	4	Days
440-78686-1	M-117	20140515	SM4500-H+B	C-006	pH	8.19	HF	0.100	s.u.	J	h	Holding Time	4	Days
440-78686-1	M-156	20140515	SM4500-H+B	C-006	pH	8.21	HF	0.100	s.u.	J	h	Holding Time	4	Days
440-78686-1	TR-1	20140515	SM4500-H+B	C-006	pH	8.17	HF	0.100	s.u.	J	h	Holding Time	4	Days
440-78686-1	TR-11	20140515	SM4500-H+B	C-006	pH	8.19	HF	0.100	s.u.	J	h	Holding Time	4	Days
440-78686-1	TR-3	20140515	SM4500-H+B	C-006	pH	8.18	HF	0.100	s.u.	J	h	Holding Time	4	Days
440-78686-1	TR-4	20140515	SM4500-H+B	C-006	pH	8.19	HF	0.100	s.u.	J	h	Holding Time	4	Days
440-78686-1	TR-5	20140515	SM4500-H+B	C-006	pH	8.22	HF	0.100	s.u.	J	h	Holding Time	4	Days
440-78686-1	TR-7	20140514	SM4500-H+B	C-006	pH	8.17	HF	0.100	s.u.	J	h	Holding Time	4	Days
440-78686-1	TR-8	20140514	SM4500-H+B	C-006	pH	8.10	HF	0.100	s.u.	J	h	Holding Time	4	Days
440-78689-1	I-AC	20140516	SM4500-H+B	C-006	pH	7.75	HF	0.100	s.u.	J	h	Holding Time	4	Days
440-78998-1	EQUIPMENT BLANK	20140519	SM4500-H+B	C-006	pH	7.61	HF	0.100	s.u.	J	h	Holding Time	3	Days
440-78998-1	FD-1	20140519	SM4500-H+B	C-006	pH	7.98	HF	0.100	s.u.	J	h	Holding Time	3	Days
440-78998-1	M-150	20140519	SM4500-H+B	C-006	pH	7.90	HF	0.100	s.u.	J	h	Holding Time	3	Days
440-78998-1	M-152	20140519	SM4500-H+B	C-006	pH	7.97	HF	0.100	s.u.	J	h	Holding Time	3	Days
440-78998-1	M-154	20140519	SM4500-H+B	C-006	pH	7.91	HF	0.100	s.u.	J	h	Holding Time	3	Days
440-78998-1	M-162	20140520	SM4500-H+B	C-006	pH	8.02	HF	0.100	s.u.	J	h	Holding Time	54.75	Hours
440-78998-1	M-163	20140520	SM4500-H+B	C-006	pH	8.89	HF	0.100	s.u.	J	h	Holding Time	49	Hours
440-78998-1	M-164	20140519	SM4500-H+B	C-006	pH	7.21	HF	0.100	s.u.	J	h	Holding Time	3	Days
440-78998-1	TR-12	20140519	SM4500-H+B	C-006	pH	8.23	HF	0.100	s.u.	J	h	Holding Time	3	Days
440-79170-1	M-155	20140521	SM4500-H+B	C-006	pH	7.98	HF	0.100	s.u.	J	h	Holding Time	48.75	Hours
440-79170-1	M-181	20140521	SM4500-H+B	C-006	pH	8.16	HF	0.100	s.u.	J	h	Holding Time	50.25	Hours
440-78114-1	H-28A	20140509	SM5310C	7440-44-0|9	Total Organic Carbon	5.2		0.050	mg/l	J	m,ld	Matrix Spike %R	62	%
												Matrix Spike RPD	29	%
440-78114-1	M-6A	20140509	SM5310C	7440-44-0|9	Total Organic Carbon	2.3		0.050	mg/l	J	m,ld	Matrix Spike %R	62	%
												Matrix Spike RPD	29	%

ATTACHMENT A

Metals Data Validation Report

Metals by EPA Methods 200.7 & 200.8

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. ICPMS Tune

The mass calibration was within 0.1 AMU and the percent relative standard deviation (%RSD) was less than or equal to 5% for SDGs 467090, 468765, and 469017.

ICP-MS was not utilized in all other SDGs.

III. Calibration

The initial and continuing calibrations were performed at the required frequency.

The calibration standards criteria were met with the following exceptions:

SDG	Date	Lab. Reference/ID	Analyte	%R (Limits)	Associated Samples	Flag	A or P
468765	2/17/14	CCV (15:43)	Chromium	117 (90-110)	PC-91	J+ (all detects)	P

IV. Blanks

Method blanks were reviewed for each matrix as applicable. No metal contaminants were found in the initial, continuing, and preparation blanks with the following exceptions:

SDGs	Method Blank ID	Analyte	Maximum Concentration	Associated Samples
440-69099-1	PB (prep blank)	Chromium	0.113 mg/L	I-O I-P I-H I-U I-T I-G I-Q I-F
440-77893-1	ICB/CCB	Chromium	0.00356 mg/L	PC-148 PC-149 PC-150 PC-143 PC-142

SDGs	Method Blank ID	Analyte	Maximum Concentration	Associated Samples
440-78104-1	PB (prep blank)	Chromium	0.00373 mg/L	FB-1-A
440-78104-1	ICB/CCB	Chromium	0.00404 mg/L	FB-1-A
440-78114-1	ICB/CCB	Sodium	0.266 mg/L	H-28A
440-78401-1	ICB/CCB	Chromium	0.0372 mg/L	TR-2 M-120 M-118 M-121 TR-9 TR-10 TR-6
440-78607-1	PB (prep blank)	Iron	0.0267 mg/L	M-10

Sample concentrations were compared to concentrations detected in the method blanks as required by the QAPP. No sample data was qualified.

Samples EB-1 (SDG 440-69440-1), EB-2 (SDG 440-69678-1), EB-1 (SDG 440-77661-1), EB-2 (SDG 440-77965-1), EB-3 (SDG 440-78428-1), EB-4 (SDG 440-78606-1), Equipment Blank (SDG 440-78998-1) were identified as equipment blanks. No metal contaminants found were found with the following exceptions:

SDG	Blank ID	Sampling Date	Analyte	Concentration	Associated Samples
440-78428-1	EB-3	5/14/14	Chromium	0.080 mg/L	M-133 M-124 M-137 M-138 M-77 M-141 M-31A M-52 M-21 M-12A DUP-7 M-132

Sample FB-1 (SDG 440-69261-1), FB-1-A (SDG 440-78104-1), FB-1-B (SDG 440-78118-1), FB-2 (SDG 440-78309-1) was identified as a field blank. No metal contaminants found were found.

Sample concentrations were compared to concentrations detected in the field blanks as required by the QAPP. No sample data was qualified with the following exceptions:

SDG	Sample	Analyte	Reported Concentration	Modified Final Concentration
440-78428-1	M-124	Chromium	0.065 mg/L	0.065J mg/L
440-78428-1	M-137	Chromium	0.096 mg/L	0.096J mg/L
440-78428-1	M-138	Chromium	0.077 mg/L	0.077J mg/L
440-78428-1	M-77	Chromium	0.54 mg/L	0.54J mg/L
440-78428-1	M-21	Chromium	0.61 mg/L	0.61J mg/L
440-78428-1	M-132	Chromium	0.18 mg/L	0.18J mg/L

V. ICP Interference Check Sample (ICS) Analysis

The frequency of analysis was met.

The criteria for analysis were met.

VI. Matrix Spike Analysis

Matrix spike (MS) and matrix spike duplicate (MSD) samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits with the following exceptions:

SDGs	Spike ID (Associated Samples)	Analyte	MS (%R) (Limits)	MSD (%R) (Limits)	RPD (Limits)	Flag	A or P
440-70471-1	PC-18MS/MSD (PC-18 PC-55 ARP-1)	Chromium	-	127 (75-125)	-	J+ (all detects)	A

VII. 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.

VIII. Laboratory Control Samples (LCS)

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

IX. Internal Standards (ICP-MS)

All internal standard percent recoveries (%R) were within QC limits for SDGs 467090, 468765, and 469017.

ICP-MS was not utilized in all other SDGs.

X. ICP Serial Dilution

ICP serial dilution analysis was performed by the laboratory. The analysis criteria were met.

XI. Sample Result Verification

All sample result verifications were acceptable for samples on which a Stage 4 review was performed.

The results for the hexavalent chromium sample analysis were greater than the total chromium sample analysis as follows:

SDG	Sample ID	Concentration (mg/L)	
		Hexavalent Chromium	Total Chromium
440-69261-1	M-44	0.93	0.85
440-69261-1	M-95	0.61	0.57
440-69261-1	VD-2	0.61	0.56
440-69262-1	I-X-20140205	10.0	9.1
440-69677-1	M-12A	8.7	8.3
440-69677-1	VD-5	8.9	8.6
440-69679-1	I-Y_20140207	1.0	0.21
440-69680-1	I-W_20140207	20.0	4.3
467090	ART-4A	590	550
467090	ART-9	890	870

Although the dissolved hexavalent chromium results are greater than the total chromium results, utilizing professional judgement, no impact on the data quality was determined for the associated samples and no data were qualified.

For sample I-Y_20140207 (SDG 440-69679-1), I-W_20140207 (SDG 440-69680-1), the concentration of total recoverable chromium was 1/5 of dissolved hexavalent chromium. The lab verified both chromium and dissolved hexavalent chromium data and did not seem to find an error in reporting. By looking at historical chromium data, a dilution error can be deduced, however the sample had been disposed and no plausible way to confirm the error.

The cation-anion balance difference results were within QC limits with the following exceptions:

SDG	Sample	Ion Balance % Difference (Limits)	Affected Analyte	Flag	A or P
467090	ART-9F	5.5 (≤5.0)	Calcium Magnesium Potassium Sodium	J-CAB (all detects) J-CAB (all detects) J-CAB (all detects) J-CAB (all detects)	A

Raw data were not evaluated for the samples reviewed by Stage 2B criteria.

XII. Overall Assessment of Data

The overall assessment of data was acceptable. In the case where more than one result was reported for an individual sample, the least technically acceptable results were qualified as follows:

SDG	Sample	Compound	Reason	Flag	A or P
440-78118-1	FB-1-B	Chromium	The Chromium result for FB-1-B was also reported in SDG 440-78104-1 as well as SDG 440-78118-1.	DNR	-

Data flags are summarized at the end of this report if data has been qualified.

XIII. Field Duplicates

Samples PC-130 and VD-1 (SDG 440-69099-1), samples M-95 and VD-2 (SDG 440-69261-1), samples M-135 and VD-3 (SDG 40-69440-1), samples M-12A and VD-5 (SDG 440-69677-1), samples M-68 and VD-4 (SDG 440-69678-1), samples I-L and DUP-1 (SDG 440-77513-1), samples PC-132 and DUP-2 (SDG 440-77661-1), samples PC-142 and DUP-3 (SDG 440-77893-1), samples M-44 and DUP-4 (SDG 440-77965-1), samples M-57A and DUP-5 (SDG 440-78202-1), samples M-35 and DUP-6, samples M-12A and DUP-7 (SDG 440-78428-1), samples M-144 and DUP-8 (SDG 440-78606-1), samples M-152 and FD-1 (SDG 440-78998-1) were identified as field duplicates. No metals were detected in any of the samples with the following exceptions:

SDG	Analyte	Concentration (mg/L)		RPD (Limits)	Difference (Limits)	Flag	A or P
		PC-130	VD-1				
440-69099-1	Chromium	0.82	0.78	5 (≤30)	-	-	-

SDG	Analyte	Concentration (mg/L)		RPD (Limits)	Difference (Limits)	Flag	A or P
		M-95	VD-2				
440-69261-1	Chromium	0.57	0.56	2 (≤30)	-	-	-

SDG	Analyte	Concentration (mg/L)		RPD (Limits)	Difference (Limits)	Flag	A or P
		VD-3	M-135				
440-69440-1	Chromium	0.062	0.069	11 (≤30)	-	-	-

SDG	Analyte	Concentration (mg/L)		RPD (Limits)	Difference	Flag	A or P
		M-12A	VD-5				
440-69677-1	Chromium	8.3	8.6	4 (≤30)	-	-	-

SDG	Analyte	Concentration (mg/L)		RPD (Limits)	Difference	Flag	A or P
		M-68	VD-4				
440-69678-1	Chromium	1.7	1.8	6 (≤30)	-	-	-

SDG	Analyte	Concentration (mg/L)		RPD (Limits)	Difference (Limits)	Flag	A or P
		I-L	DUP-1				
440-77513-1	Chromium	1.2	1.1	9 (≤30)	-	-	-

SDG	Analyte	Concentration (mg/L)		RPD (Limits)	Difference (Limits)	Flag	A or P
		PC-132	DUP-2				
440-77661-1	Chromium	0.0024	0.002U	-	0.0004 (≤0.005)	-	-

SDG	Analyte	Concentration (mg/L)		RPD (Limits)	Difference (Limits)	Flag	A or P
		PC-142	DUP-3				
440-77893-1	Chromium	0.040	0.010	-	0.03 (≤0.005)	J (all detects)	A

SDG	Analyte	Concentration (mg/L)		RPD (Limits)	Difference (Limits)	Flag	A or P
		M-44	DUP-4				
440-77965-1	Chromium	0.99	0.99	0 (≤30)	-	-	-

SDG	Analyte	Concentration (mg/L)		RPD (Limits)	Difference (Limits)	Flag	A or P
		M-57A	DUP-5				
440-78202-1	Chromium	0.062	0.061	2 (≤30)	-	-	-

SDG	Analyte	Concentration (mg/L)		RPD (Limits)	Difference (Limits)	Flag	A or P
		DUP-6	M-35				
440-78309-1	Chromium	7.3	6.5	12 (≤30)	-	-	-

SDG	Analyte	Concentration (mg/L)		RPD (Limits)	Difference (Limits)	Flag	A or P
		M-12A	DUP-7				
440-78428-1	Chromium	9.1	9.1	0 (≤30)	-	-	-

SDG	Analyte	Concentration (mg/L)		RPD (Limits)	Difference (Limits)	Flag	A or P
		M-144	DUP-8				
440-78606-1	Chromium	0.054	0.059	-	0.005 (≤0.025)	-	-

SDG	Analyte	Concentration (mg/L)		RPD (Limits)	Difference (Limits)	Flag	A or P
		M-37	VD-3				
440-78998-1	Chromium	0.025	0.025	-	0 (≤0.010)	-	-

2014 Annual Remedial Performance Sampling
Metals - Data Qualification Summary - SDGs 440-68764-1, 440-68537-1, 440-68671-1, 440-68948-1, 440-68971-1, 440-69094-1, 440-69096-1, 440-69099-1, 440-69261-1, 440-69262-1, 440-69440-1, 440-69445-1, 440-69677-1, 440-69678-1, 440-69679-1, 440-69680-1, 440-69696-1, 440-69820-1, 440-70243-1, 440-70245-1, 440-70421-1, 440-70423-1, 440-70471-1, 440-77513-1, 440-77515-1, 440-77661-1, 440-77893-1, 440-77965-1, 440-78104-1, 440-78114-1, 440-78118-1, 440-78202-1, 440-78211-1, 440-78309-1, 440-78401-1, 40-78428-1, 440-78606-1, 440-78607-1, 440-78684-1, 440-78686-1, 440-78689-1, 440-78862-1, 440-78998-1, 440-79035-1, 440-79170-1, 467090, 468765, and 469017

SDG	Sample	Analyte	Flag	A or P	Reason
468765	PC-91	Chromium	J+ (all detects)	P	Continuing calibration (CCV %R)
440-70471-1	PC-18 PC-55 ARP-1	Chromium	J+ (all detects)	A	Matrix spike/Matrix spike duplicate (%R)
467090	ART-9F	Calcium Magnesium Potassium Sodium	J-CAB (all detects) J-CAB (all detects) J-CAB (all detects) J-CAB (all detects)	A	Sample result verification (ion balance %D)
440-78118-1	FB-1-B	Chromium	DNR	-	Overall assessment of data
440-77893-1	PC-142 DUP-3	Chromium	J (all detects)	A	Field duplicates (difference)

2014 Annual Remedial Performance Sampling
Metals - Laboratory Blank Data Qualification Summary - SDGs 440-68764-1, 440-68537-1, 440-68671-1, 440-68948-1, 440-68971-1, 440-69094-1, 440-69096-1, 440-69099-1, 440-69261-1, 440-69262-1, 440-69440-1, 440-69445-1, 440-69677-1, 440-69678-1, 440-69679-1, 440-69680-1, 440-69696-1, 440-69820-1, 440-70243-1, 440-70245-1, 440-70421-1, 440-70423-1, 440-70471-1, 440-77513-1, 440-77515-1, 440-77661-1, 440-77893-1, 440-77965-1, 440-78104-1, 440-78114-1, 440-78118-1, 440-78202-1, 440-78211-1, 440-78309-1, 440-78401-1, 40-78428-1, 440-78606-1, 440-78607-1, 440-78684-1, 440-78686-1, 440-78689-1, 440-78862-1, 440-78998-1, 440-79035-1, 440-79170-1, 467090, 468765, and 469017

No Sample Data Qualified in these SDGs

2014 Annual Remedial Performance Sampling
Metals - Field Blank Data Qualification Summary - SDGs 440-68764-1, 440-68537-1, 440-68671-1, 440-68948-1, 440-68971-1, 440-69094-1, 440-69096-1, 440-69099-1, 440-69261-1, 440-69262-1, 440-69440-1, 440-69445-1, 440-69677-1, 440-69678-1, 440-69679-1, 440-69680-1, 440-69696-1, 440-69820-1, 440-70243-1, 440-70245-1, 440-70421-1, 440-70423-1, 440-70471-1, 440-77513-1, 440-77515-1, 440-77661-1, 440-77893-1, 440-77965-1, 440-78104-1, 440-78114-1, 440-78118-1, 440-78202-1, 440-78211-1, 440-78309-1, 440-78401-1, 40-78428-1, 440-78606-1, 440-78607-1, 440-78684-1, 440-78686-1, 440-78689-1, 440-78862-1, 440-78998-1, 440-79035-1, 440-79170-1, 467090, 468765, and 469017

SDG	Sample	Analyte	Modified Final Concentration	A or P
440-78428-1	M-124	Chromium	0.065J mg/L	A
440-78428-1	M-137	Chromium	0.096J mg/L	A
440-78428-1	M-138	Chromium	0.077J mg/L	A
440-78428-1	M-77	Chromium	0.54J mg/L	A
440-78428-1	M-21	Chromium	0.61J mg/L	A
440-78428-1	M-132	Chromium	0.18J mg/L	A

ATTACHMENT B

Wet Chemistry Data Validation Report

Hexavalent Chromium by EPA Method 218.6
Chloride, Nitrate as Nitrogen, Nitrite as Nitrogen, and Sulfate by EPA Method 300.0
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 420.1
Nitrate/Nitrite as Nitrogen and Total Inorganic Nitrogen by Calculation Method
Orthophosphate as Phosphorus and Orthophosphate as Phosphate by Standard Method 4500PE and EPA Method 365.1
Anion Sum, Cation Sum, and Cation/Anion Difference by Standard Method 1030E
Alkalinity by Standard Method 2320B
Total Suspended Solids by Standard Method 2540D
Fluoride by Standard Method 4500F-C
Specific Conductance by Standard Method 2510B
Total Dissolved Solids by Standard Method 2540C
pH by Standard Method 4500 H+B
Total Organic Carbon by Standard Method 5310C
Toxic Organic Halides by EPA SW 846 Method 9020B

I. Technical Holding Times

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

SDG	Sample	Analyte	Total Time From Sample Collection Until Analysis	Required Holding Time From Sample Collection Until Analysis	Flag	A or P
440-68971-1	ART-1 ART-2	pH	53.25 hours	48 hours	J (all detects) UJ (all non-detects)	P
440-68971-1	ART-9 ART-7 ART-8	pH	52.75 hours	48 hours	J (all detects) UJ (all non-detects)	P
440-68971-1	ART-3 ART-4	pH	53 hours	48 hours	J (all detects) UJ (all non-detects)	P
440-68971-1	ART-6	pH	52.25 hours	48 hours	J (all detects) UJ (all non-detects)	P
440-68971-1	PC-116R PC-133 PC-119 PC-99R2/R3	pH	51.75 hours	48 hours	J (all detects) UJ (all non-detects)	P
440-68971-1	PC-118 PC-117 PC-115R	pH	51.5 hours	48 hours	J (all detects) UJ (all non-detects)	P

SDG	Sample	Analyte	Total Time From Sample Collection Until Analysis	Required Holding Time From Sample Collection Until Analysis	Flag	A or P
440-68971-1	PC-120 PC-121 PC-121DUP	pH	51.25 hours	48 hours	J (all detects) UJ (all non-detects)	P
440-69096-1	M-10 M-10DUP	pH	51 hours	48 hours	J (all detects) UJ (all non-detects)	P
440-69099-1	I-O I-P I-H I-U I-T I-G I-Q I-F I-N I-E I-M I-D I-ODUP	pH	3 days	48 hours	J (all detects) UJ (all non-detects)	P
440-69099-1	PC-123	pH	58.75 hours	48 hours	J (all detects) UJ (all non-detects)	P
440-69099-1	PC-128	pH	58.25 hours	48 hours	J (all detects) UJ (all non-detects)	P
440-69099-1	PC-129	pH	58 hours	48 hours	J (all detects) UJ (all non-detects)	P
440-69099-1	PC-130 VD-1	pH	57.75 hours	48 hours	J (all detects) UJ (all non-detects)	P
440-69099-1	PC-131	pH	57.25 hours	48 hours	J (all detects) UJ (all non-detects)	P
440-69099-1	PC-124	pH	56.75 hours	48 hours	J (all detects) UJ (all non-detects)	P
440-69099-1	PC-125 PC-125DUP PC-126 PC-126DUP	pH	56.5 hours	48 hours	J (all detects) UJ (all non-detects)	P
440-69099-1	I-C I-S	pH	53 hours	48 hours	J (all detects) UJ (all non-detects)	P
440-69099-1	I-L	pH	52.75 hours	48 hours	J (all detects) UJ (all non-detects)	P
440-69099-1	I-R I-B	pH	52.5 hours	48 hours	J (all detects) UJ (all non-detects)	P

SDG	Sample	Analyte	Total Time From Sample Collection Until Analysis	Required Holding Time From Sample Collection Until Analysis	Flag	A or P
440-69099-1	I-AR	pH	52.25 hours	48 hours	J (all detects) UJ (all non-detects)	P
440-69099-1	M-11	pH	50.25 hours	48 hours	J (all detects) UJ (all non-detects)	P
440-69440-1	PC-72	pH	51 hours	48 hours	J (all detects) UJ (all non-detects)	P
440-69440-1	PC-73	pH	50.5 hours	48 hours	J (all detects) UJ (all non-detects)	P
440-69440-1	PC-37	pH	50.25 hours	48 hours	J (all detects) UJ (all non-detects)	P
440-69440-1	M-23	pH	49.5 hours	48 hours	J (all detects) UJ (all non-detects)	P
440-69440-1	M-64	pH	49 hours	48 hours	J (all detects) UJ (all non-detects)	P
440-69440-1	M-65	pH	48.75 hours	48 hours	J (all detects) UJ (all non-detects)	P
440-69440-1	M-66	pH	48.5 hours	48 hours	J (all detects) UJ (all non-detects)	P
440-69677-1	M-12A M-37 M-38 VD-5 M-12ADUP	pH	3 days	48 hours	J (all detects) UJ (all non-detects)	P
440-69678-1	I-AC I-AD M-68 I-K M-74 M-73 I-V M-81A M-80 M-83 EB-2 VD-4	pH	3 days	48 hours	J (all detects) UJ (all non-detects)	P
440-69679-1	I-Y_20140207MS	Hexavalent chromium	25 hours	24 hours	J- (all detects) UJ (all non-detects)	P
440-69679-1	I-Y_20140207MSD	Hexavalent chromium	25.25 hours	24 hours	J- (all detects) UJ (all non-detects)	P

SDG	Sample	Analyte	Total Time From Sample Collection Until Analysis	Required Holding Time From Sample Collection Until Analysis	Flag	A or P
440-69679-1	I-Y_20140207 I-Y_20140207MS I-Y_20140207MSD	Nitrate as N	3 days	48 hours	J- (all detects) UJ (all non-detects)	P
440-69696-1	M-57A M-14A M-25 M-22A M-52 M-35 M-19 I-I I-Z I-J M-67 M-57ADUP M-67DUP	pH	3 days	48 hours	J (all detects) UJ (all non-detects)	P
440-69820-1	I-X	pH	51.75 hours	48 hours	J (all detects) UJ (all non-detects)	P
440-69820-1	I-Y	pH	51.5 hours	48 hours	J (all detects) UJ (all non-detects)	P
440-69820-1	I-AA	pH	51 hours	48 hours	J (all detects) UJ (all non-detects)	P
440-69820-1	I-AB	pH	51.25 hours	48 hours	J (all detects) UJ (all non-detects)	P
440-69820-1	M-99	pH	50.75	48 hours	J (all detects) UJ (all non-detects)	P
440-70243-1	PC-97 PC-90 PC-92 PC-92DUP	pH	3 days	48 hours	J (all detects) UJ (all non-detects)	P
440-70243-1	PC-94 PC-58 PC-56 PC-60 PC-59 PC-62 PC-68 PC-86 PC-91 PC-94DUP	pH	5 days	48 hours	J (all detects) UJ (all non-detects)	P
440-70245-1	I-W	pH	6 days	48 hours	J (all detects) UJ (all non-detects)	P
440-70245-1	M-69	pH	3 days	48 hours	J (all detects) UJ (all non-detects)	P

SDG	Sample	Analyte	Total Time From Sample Collection Until Analysis	Required Holding Time From Sample Collection Until Analysis	Flag	A or P
440-70421-1	PC-136	pH	51.5 hours	48 hours	J (all detects) UJ (all non-detects)	P
440-70423-1	ART-7B PC-122	pH	50.75 hours	48 hours	J (all detects) UJ (all non-detects)	P
440-70423-1	PC-53	pH	50.5 hours	48 hours	J (all detects) UJ (all non-detects)	P
440-70423-1	MW-K5	pH	50.25 hours	48 hours	J (all detects) UJ (all non-detects)	P
440-70423-1	ARP-7	pH	50 hours	48 hours	J (all detects) UJ (all non-detects)	P
440-70423-1	ARP-6B	pH	49.75 hours	48 hours	J (all detects) UJ (all non-detects)	P
440-70423-1	ARP-5A	pH	49.5 hours	48 hours	J (all detects) UJ (all non-detects)	P
440-70423-1	ARP-4A	pH	49.25 hours	48 hours	J (all detects) UJ (all non-detects)	P
440-70423-1	PC-101R PC-101RDUP	pH	49 hours	48 hours	J (all detects) UJ (all non-detects)	P
440-70423-1	MW-K4 MW-K4DUP	pH	52.75 hours	48 hours	J (all detects) UJ (all non-detects)	P
440-70423-1	ARP-3A	pH	52.5 hours	48 hours	J (all detects) UJ (all non-detects)	P
440-70423-1	ARP-2A	pH	52 hours	48 hours	J (all detects) UJ (all non-detects)	P
440-70423-1	PC-103	pH	51.75 hours	48 hours	J (all detects) UJ (all non-detects)	P
440-70423-1	PC-98R	pH	51.25 hours	48 hours	J (all detects) UJ (all non-detects)	P
440-70471-1	PC-18 PC-55 ARP-1 PC-18DUP	pH	3 days	48 hours	J (all detects) UJ (all non-detects)	P
440-77661-1	PC-128 PC-130	Nitrate as N	50 hours	48 hours	J- (all detects) UJ (all non-detects)	P

SDG	Sample	Analyte	Total Time From Sample Collection Until Analysis	Required Holding Time From Sample Collection Until Analysis	Flag	A or P
440-77661-1	PC-132 PC-126	Nitrate as N	49.25 hours	48 hours	J- (all detects) UJ (all non-detects)	P
440-77661-1	PC-124	Nitrate as N	49 hours	48 hours	J- (all detects) UJ (all non-detects)	P
440-77661-1	DUP-2 PC-128MSD	Nitrate as N	50.5 hours	48 hours	J- (all detects) UJ (all non-detects)	P
440-77661-1	PC-128MS	Nitrate as N	50.25 hours	48 hours	J- (all detects) UJ (all non-detects)	P
440-77661-1	EB-1MS	Hexavalent chromium	24.25 hours	24 hours	J- (all detects) UJ (all non-detects)	P
440-77661-1	EB-1MSD	Hexavalent chromium	24.5 hours	24 hours	J- (all detects) UJ (all non-detects)	P
440-77893-1	PC-2	Nitrate as N	49.25 hours	48 hours	J- (all detects) UJ (all non-detects)	P
440-77965-1	EB-2	Hexavalent chromium	27 hours	24 hours	J- (all detects) UJ (all non-detects)	P
440-77965-1	M-44 DUP-4	Hexavalent chromium	25.5 hours	24 hours	J- (all detects) UJ (all non-detects)	P
440-77965-1	M-95	Hexavalent chromium	26.25 hours	24 hours	J- (all detects) UJ (all non-detects)	P
440-77965-1	PC-72 PC-72DUP	pH	4 days	48 hours	J (all detects) UJ (all non-detects)	P
440-78202-1	M-38 DUP-5	Hexavalent chromium	3 days	48 hours	J- (all detects) R (all non-detects)	P
440-78202-1	M-38	pH	49.25 hours	48 hours	J (all detects) UJ (all non-detects)	P
440-78202-1	DUP-5	pH	52 hours	48 hours	J (all detects) UJ (all non-detects)	P
440-78401-1	TR-2 TR-2DUP	pH	3 days	48 hours	J (all detects) UJ (all non-detects)	P
440-78401-1	M-120	pH	56 hours	48 hours	J (all detects) UJ (all non-detects)	P

SDG	Sample	Analyte	Total Time From Sample Collection Until Analysis	Required Holding Time From Sample Collection Until Analysis	Flag	A or P
440-78401-1	M-118	pH	55 hours	48 hours	J (all detects) UJ (all non-detects)	P
440-78401-1	M-121	pH	53.5 hours	48 hours	J (all detects) UJ (all non-detects)	P
440-78401-1	TR-9	pH	52.25 hours	48 hours	J (all detects) UJ (all non-detects)	P
440-78401-1	TR-10 TR-10DUP	pH	50.75 hours	48 hours	J (all detects) UJ (all non-detects)	P
440-78428-1	M-12A DUP-7	pH	54.25 hours	48 hours	J (all detects) UJ (all non-detects)	P
440-78428-1	EB-3	pH	49.5 hours	48 hours	J (all detects) UJ (all non-detects)	P
440-78684-1	PC-97 PC-90 PC-91 PC-92 PC-94 PC-58 PC-56 PC-60 PC-59 PC-62 PC-68 PC-86 PC-97DUP	pH	4 days	48 hours	J (all detects) UJ (all non-detects)	P
440-78684-1	PC-86	Nitrate as N	5 days	48 hours	J- (all detects) R (all non-detects)	P
440-78686-1	TR-8 TR-7 TR-3 TR-4 M-117 TR-5 TR-1 TR-11 M-156 TR-8DUP	pH	4 days	48 hours	J (all detects) UJ (all non-detects)	P
440-78689-1	I-AC	pH	4 days	48 hours	J (all detects) UJ (all non-detects)	P

SDG	Sample	Analyte	Total Time From Sample Collection Until Analysis	Required Holding Time From Sample Collection Until Analysis	Flag	A or P
440-78998-1	TR-12 Equipment Blank M-152 FD-1 M-150 M-154 M-164 M-164DUP	pH	3 days	48 hours	J (all detects) UJ (all non-detects)	P
440-78998-1	M-162 M-162DUP	pH	54.75 hours	48 hours	J (all detects) UJ (all non-detects)	P
440-78998-1	M-163	pH	49 hours	48 hours	J (all detects) UJ (all non-detects)	P
440-79170-1	M-181	pH	50.25 hours	48 hours	J (all detects) UJ (all non-detects)	P
440-79170-1	M-155	pH	48.75 hours	48 hours	J (all detects) UJ (all non-detects)	P
467090	ART-4A PC-117	Dissolved Hexavalent chromium	4 days	24 hours	J- (all detects) R (all non-detects)	P
468765	PC-91	Dissolved Hexavalent chromium	49.25 hours	24 hours	J- (all detects) R (all non-detects)	P

Although the holding time for some pH analyses was exceeded by more than two times the holding time, using professional judgment the associated sample results were qualified as estimated (J/UJ) because the sample condition and integrity was maintained during collection, transport, and storage.

Although the holding time for nitrate as nitrogen and dissolved hexavalent chromium analyses was exceeded by more than two times the holding time, no data were rejected as the affected results were detect and qualified as estimated (J-).

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. Initial Calibration

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

III. Continuing Calibration

Continuing calibration frequency and analysis criteria were met for each method when applicable.

IV. Blanks

Method blanks were reviewed for each matrix as applicable. No contaminant concentrations were found in the initial, continuing and preparation blanks with the following exceptions:

SDG	Method Blank ID	Analyte	Concentration	Associated Samples
440-78211-1	ICB/CCB	Toxic organic halides	26.1 ug/L	M-7B
468765	ICB/CCB	Chloride	0.0419 mg/L	All samples in SDG 468765

Sample concentrations were compared to concentrations detected in the method blanks as required by the QAPP. No sample data was qualified.

Samples EB-1 (SDG 440-69440-1), EB-2 (SDG 440-69678-1), EB-1 (SDG 440-70423-1), EB-1 (SDG 440-73141-1), EB-1 (SDG 440-67726-1), EB-1 (SDG 440-76132-1), EB-1 (SDG 440-77661-1), EB-1 (SDG 440-77965-1), EB-3 (440-78428-1), EB-4 (SDG 440-78606-1), DB-1 (SDG 440-78686-1), EB-10 (SDG 440-78862-1), Equipment Blank (SDG 440-78998-1), and EB-1 (SDG 440-80787-1) were identified as equipment blanks. No contaminant concentrations were found with the following exceptions:

SDG	Blank ID	Sampling Date	Analyte	Concentration	Associated Samples
440-70421-1	EB-1	2/13/14	Perchlorate	87 ug/L	PC-136
440-70423-1	EB-1	2/13/14	Perchlorate	87 ug/L	ART-7B PC-122 PC-53 MW-K5 ARP-7 ARP-6B ARP-5A ARP-4A PC-101R MW-K4 ARP-3A ARP-2A PC-103 PC-98R
440-78428-1	EB-3	5/14/14	Hexavalent chromium	0.27 ug/L	M-12A DUP-7

Samples FB-1 (SDG 440-69261-1), FB-1-A (SDG 440-78104-1), FB-1-B (SDG 440-78118-1), and FB-2 (SDG 440-78309-1) were identified as field blanks. No contaminant concentrations were found with the following exceptions:

SDG	Blank ID	Sampling Date	Analyte	Concentration	Associated Samples
440-78309-1	FB-2	5/13/14	Perchlorate	0.62 ug/L	I-Z I-J I-K I-AD M-81A M-80 M-83 M-70 M-71 M-72 DUP-6 M-115 M-75 M-76 M-2A M-35 M-19 M-68 M-74 M-73 M-67 I-V I-I

Sample concentrations were compared to concentrations detected in the field blanks as required by the QAPP. No sample data was qualified.

V. Surrogate Recovery

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

VI. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits with the following exceptions:

SDG	Spike ID (Associated Samples)	Analyte	MS (%R) (Limits)	MSD (%R) (Limits)	RPD (Limits)	Flag	A or P
440-68948-1	I-AC-20140203MS/MSD (I-AC-20140203)	Dissolved hexavalent chromium	68 (75-125)	-	-	J- (all detects) UJ (all nondetects)	A
440-77661-1	PC-128MS/MSD (PC-128 PC-130 PC-132 PC-124 PC-126 PC-82 DUP-2)	Nitrate as N	-	72 (75-125)	-	J- (all detects) UJ (all non-detects)	A

SDG	Spike ID (Associated Samples)	Analyte	MS (%R) (Limits)	MSD (%R) (Limits)	RPD (Limits)	Flag	A or P
440-78114-1	H-28AMS/MSD (H-28A)	Total Recoverable Phenolics	74 (75-125)	74 (75-125)	-	J- (all detects) UJ (all nondetects)	A
440-78114-1	M-6AMS/MSD (M-6A)	Total Recoverable Phenolics	68 (75-125)	74 (75-125)	-	J- (all detects) UJ (all nondetects)	A
440-78114-1	H-28AMS/MSD (H-28A M-6A)	Total organic carbon	-	62 (75-125)	29 (≤20)	J (all detects) UJ (all non-detects)	A
440-78211-1	M-6AMS/MSD (M-5A M-7B)	Total Recoverable Phenolics	68 (75-125)	74 (75-125)	-	J- (all detects) UJ (all nondetects)	A

VII. Duplicates

Duplicate (DUP) sample analyses were reviewed for each matrix as applicable. Results were within QC limits.

VIII. Laboratory Control Samples

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

IX. Sample Result Verification

All sample result verifications were acceptable for samples on which a Stage 4 review was performed.

The results for the hexavalent chromium sample analysis were greater than the total chromium sample analysis as follows:

		Concentration (mg/L)	
SDG	Sample ID	Hexavalent Chromium	Total Chromium
440-69261-1	M-44	0.93	0.85
440-69261-1	M-95	0.61	0.57
440-69261-1	VD-2	0.61	0.56
440-69262-1	I-X-20140205	10.0	9.1
440-69677-1	M-12A	8.7	8.3

SDG	Sample ID	Concentration (mg/L)	
		Hexavalent Chromium	Total Chromium
440-69677-1	VD-5	8.9	8.6
440-69679-1	I-Y_20140207	1.0	0.21
440-69680-1	I-W_20140207	20.0	4.3
467090	ART-4A	590	550
467090	ART-9	890	870

For I-Y_20140207 (SDG 440-69679-1) and I-W_20140207 (SDG 440-69680-1, the concentration of total recoverable chromium was 1/5 of dissolved hexavalent chromium. The lab verified both chromium and dissolved hexavalent chromium data and did not seem to find an error in reporting. By looking at historical chromium data, a dilution error can be deduced, however the sample had been disposed and no plausible way to confirm the error.

The cation-anion balance difference results were within QC limits with the following exceptions:

SDG	Sample	Ion Balance % Difference (Limits)	Affected Analyte	Flag	A or P
467090	ART-9	5.5 (≤5.0)	Alkalinity Fluoride Chloride Sulfate Nitrate as N Nitrite as N	J-CAB (all detects) J-CAB (all detects) J-CAB (all detects) J-CAB (all detects) J-CAB (all detects) J-CAB (all detects)	A

Although the dissolved hexavalent chromium results are greater than the total chromium results, utilizing professional judgement, no impact on the data quality was determined for the associated samples and no data were qualified.

Raw data were not evaluated for the samples reviewed by Stage 2B criteria.

X. Overall Assessment of Data

The overall assessment of data was acceptable. In the case where more than one result was reported for an individual sample, the least technically acceptable results were qualified as follows:

SDG	Sample	Analyte	Reason	Flag	A or P
440-78118-1	FB-1-B	Perchlorate	The Perchlorate result for FB-1-B was also reported in SDG 440-78104-1 as well as SDG 440-78118-1.	DNR	-

Data flags are summarized at the end of this report if data has been qualified.

XI. Field Duplicates

Samples M-95 and VD-2 (SDG 440-69261-1), samples M-135 and VD-3 (SDG 440-69440-1), samples M-12A and VD-5 (SDG 440-69677-1), M-68 and VD-4 (SDG 440-69678-1), samples I-L and DUP-1 (SDG440-77513-1), samples PC-132 and DUP-2 (SDG 440-77661-1), samples PC-142 and DUP-3 (SDG 440-77893-1), samples M-44 and DUP-4 (SDG 440-77965-1), samples M-57A and DUP-5 (SDG 440-78202-1), samples M-35 and DUP-6 (SDG 440-78309-1), samples M-12A and DUP-7 (SDG 440-78428-1), samples M-144 and DUP-8 (SDG 440-78606-1), and samples M-152 and FD-1 (SDG 440-78998-1) were identified as field duplicates. No contaminant concentrations were detected in any of the samples with the following exceptions:

SDG	Analyte	Concentration		RPD (Limits)	Difference (Limits)	Flag	A or P
		M-95	VD-2				
440-69261-1	Total dissolved solids	6500 mg/L	6400 mg/L	2 (≤30)	-	-	-
440-69261-1	pH	7.81 SU	7.72 SU	1 (≤30)	-	-	-
440-69261-1	Hexavalent chromium	610 ug/L	610 ug/L	0 (≤30)	-	-	-
440-69261-1	Perchlorate	340000 ug/L	330000 ug/L	3 (≤30)	-	-	-

SDG	Analyte	Concentration		RPD (Limits)	Difference (Limits)	Flag	A or P
		VD-3	M-135				
440-69440-1	Total dissolved solids	3500 mg/L	3500 mg/L	0 (≤30)	-		-
440-69440-1	pH	7.53 SU	7.63 SU	1 (≤30)	-		-
440-69440-1	Perchlorate	38000 ug/L	43000 ug/L	12 (≤30)	-		-

SDG	Analyte	Concentration		RPD (Limits)	Difference (Limits)	Flag	A or P
		M-12A	VD-5				
440-69677-1	Total dissolved solids	6700 mg/L	6700 mg/L	0 (≤30)	-	-	-
440-69677-1	pH	8.09 SU	8.11 SU	0 (≤30)	-	-	-
440-69677-1	Hexavalent chromium	8700 ug/L	8900 ug/L	2 (≤30)	-	-	-
440-69677-1	Perchlorate	170000 ug/L	170000 ug/L	0 (≤30)	-	-	-

SDG	Analyte	Concentration		RPD (Limits)	Difference (Limits)	Flag	A or P
		M-68	VD-4				
440-69678-1	Total dissolved solids	6700 mg/L	7000 mg/L	4 (≤30)	-	-	-
440-69678-1	pH	7.53 SU	7.51 SU	0 (≤30)	-	-	-
440-69678-1	Perchlorate	190000 ug/L	180000 ug/L	5 (≤30)	-	-	-

SDG	Analyte	Concentration		RPD (Limits)	Difference (Limits)	Flag	A or P
		I-L	DUP-1				
440-77513-1	Total dissolved solids	6200 mg/L	6400 mg/L	3 (≤30)	-	-	-
440-77513-1	pH	7.55 SU	7.65 SU	1 (≤30)	-	-	-
440-77513-1	Perchlorate	730000 ug/L	730000 ug/L	0 (≤30)	-	-	-

SDG	Analyte	Concentration		RPD (Limits)	Difference (Limits)	Flag	A or P
		PC-132	DUP-2				
440-77661-1	Total dissolved solids	8800 mg/L	8800 mg/L	0 (≤30)	-	-	-
440-77661-1	pH	7.43 SU	7.46 SU	0 (≤30)	-	-	-
440-77661-1	Nitrate as N	1.2 mg/L	1.2 mg/L	-	0 (≤2.2)	-	-
440-77661-1	Chlorate	350 ug/L	380 ug/L	-	30 (≤100)	-	-
440-77661-1	Perchlorate	630 ug/L	690 ug/L	9 (≤30)	-		

SDG	Analyte	Concentration		RPD (Limits)	Difference (Limits)	Flag	A or P
		PC-142	DUP-3				
440-77893-1	Total dissolved solids	5100 mg/L	5200 mg/L	2 (≤30)	-	-	-
440-77893-1	pH	7.42 SU	7.45 SU	0 (≤30)	-	-	-
440-77893-1	Perchlorate	25000 ug/L	24000 ug/L	4 (≤30)	-	-	-

SDG	Analyte	Concentration		RPD (Limits)	Difference (Limits)	Flag	A or P
		M-44	DUP-4				
440-77965-1	Total dissolved solids	8600 mg/L	8700 mg/L	1 (≤30)	-	-	-
440-77965-1	pH	7.30 SU	7.33 SU	0 (≤30)	-	-	-
440-77965-1	Hexavalent Chromium	940 ug/L	940 ug/L	0 (≤30)	-	-	-
440-77965-1	Perchlorate	630000 ug/L	770000 ug/L	20 (≤30)	-	-	-

SDG	Analyte	Concentration		RPD (Limits)	Difference (Limits)	Flag	A or P
		M-57A	DUP-5				
440-78202-1	Total dissolved solids	3400 mg/L	3400 mg/L	0 (≤30)	-	-	-
440-78202-1	pH	7.68 SU	7.76 SU	1 (≤30)	-	-	-
440-78202-1	Perchlorate	27000 ug/L	27000 ug/L	0 (≤30)	-	-	-

SDG	Analyte	Concentration		RPD (Limits)	Difference (Limits)	Flag	A or P
		DUP-6	M-35				
440-78309-1	Total dissolved solids	6600 mg/L	6900 mg/L	1 (≤30)	-	-	-
440-78309-1	pH	7.53 SU	7.58 SU	1 (≤30)	-	-	-
440-78309-1	Perchlorate	180000 ug/L	180000 ug/L	0 (≤30)	-	-	-

SDG	Analyte	Concentration		RPD (Limits)	Difference (Limits)	Flag	A or P
		M-12A	DUP-7				
440-78428-1	Total dissolved solids	6600 mg/L	6700 mg/L	2 (≤30)	-	-	-
440-78428-1	pH	8.04 SU	8.06 SU	0 (≤30)	-	-	-
440-78428-1	Hexavalent chromium	9100 ug/L	9100 ug/L	0 (≤30)	-	-	-
440-78428-1	Nitrate as N	7.6 mg/L	9.0 mg/L	17 (≤30)	-	-	-
440-78428-1	Chlorate	1900000 ug/L	1800000 ug/L	5 (≤30)	-	-	-
440-78428-1	Perchlorate	160000 ug/L	150000 ug/L	6 (≤30)	-	-	-

SDG	Analyte	Concentration		RPD (Limits)	Difference (Limits)	Flag	A or P
		M-144	DUP-8				
440-78606-1	Total dissolved solids	3800 mg/L	3700 mg/L	3 (≤30)	-	-	-
440-78606-1	pH	7.66 SU	7.70 SU	1 (≤30)	-	-	-
440-78606-1	Perchlorate	4700 ug/L	4700 ug/L	0 (≤30)	-	-	-

SDG	Analyte	Concentration		RPD (Limits)	Difference (Limits)	Flag	A or P
		M-152	FD-1				
440-78998-1	Total dissolved solids	640 mg/L	640 mg/L	0 (≤30)	-	-	-
440-78998-1	pH	7.97 SU	7.98 SU	0 (≤30)	-	-	-
440-78998-1	Perchlorate	210 ug/L	220 ug/L	5 (≤30)	-	-	-

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SDG	Sample	Analyte	Flag	A or P	Reason
440-68971-1	ART-1 ART-2 ART-9 ART-3 ART-4 ART-7 ART-8 ART-6 PC-116R PC-133 PC-119 PC-118 PC-99R2/R3 PC-117 PC-115R PC-120 PC-121	pH	J (all detects) UJ (all non-detects)	P	Technical holding time
440-69096-1	M-10	pH	J (all detects) UJ (all non-detects)	P	Technical holding time

SDG	Sample	Analyte	Flag	A or P	Reason
440-69099-1	I-O I-P I-H I-U I-T I-G I-Q I-F I-N I-E I-M I-D PC-123 PC-128 PC-129 PC-130 PC-131 PC-124 PC-125 PC-126 I-C I-S I-L I-R I-B I-AR M-11 VD-1	pH	J (all detects) UJ (all non-detects)	P	Technical holding time
440-69440-1	PC-72 PC-73 PC-37 M-23 M-64 M-65 M-66	pH	J (all detects) UJ (all non-detects)	P	Technical holding time
440-69677-1	M-12A M-37 M-38 VD-5	pH	J (all detects) UJ (all non-detects)	P	Technical holding time
440-69678-1	I-AC I-AD M-68 I-K M-74 M-73 I-V M-81A M-80 M-83 EB-2 VD-4	pH	J (all detects) UJ (all non-detects)	P	Technical holding time
440-69679-1	I-Y_20140207	Nitrate as N	J- (all detects) UJ (all non-detects)	P	Technical holding time

SDG	Sample	Analyte	Flag	A or P	Reason
440-69696-1	M-57A M-14A M-25 M-22A M-52 M-35 M-19 I-I I-Z I-J M-67	pH	J (all detects) UJ (all non-detects)	P	Technical holding time
440-69820-1	I-X I-Y I-AA I-AB M-99	pH	J (all detects) UJ (all non-detects)	P	Technical holding time
440-70243-1	PC-97 PC-90 PC-92 PC-94 PC-58 PC-56 PC-60 PC-59 PC-62 PC-68 PC-86 PC-91	pH	J (all detects) UJ (all non-detects)	P	Technical holding time
440-70245-1	I-W M-69	pH	J (all detects) UJ (all non-detects)	P	Technical holding time
440-70421-1	PC-136	pH	J (all detects) UJ (all non-detects)	P	Technical holding time
440-70423-1	ART-7B PC-122 PC-53 MW-K5 ARP-7 ARP-6B ARP-5A ARP-4A PC-101R MW-K4 ARP-3A ARP-2A PC-103 PC-98R	pH	J (all detects) UJ (all non-detects)	P	Technical holding time
440-70471-1	PC-18 PC-55 ARP-1	pH	J (all detects) UJ (all non-detects)	P	Technical holding time

SDG	Sample	Analyte	Flag	A or P	Reason
440-77661-1	PC-128 PC-130 PC-132 PC-124 PC-126 DUP-2	Nitrate as N	J- (all detects) UJ (all non-detects)	P	Technical holding time
440-77893-1	PC-2	Nitrate as N	J- (all detects) UJ (all non-detects)	P	Technical holding time
440-77965-1	EB-2 M-44 M-95 DUP-4	Hexavalent chromium	J- (all detects) UJ (all non-detects)	P	Technical holding time
440-77965-1	PC-72	pH	J (all detects) UJ (all non-detects)	P	Technical holding time
440-78202-1	M-38 DUP-5	Hexavalent chromium	J- (all detects) R (all non-detects)	P	Technical holding time
440-78202-1	M-38 DUP-5	pH	J (all detects) UJ (all non-detects)	P	Technical holding time
440-78401-1	TR-2 M-120 M-118 M-121 TR-9 TR-10	pH	J (all detects) UJ (all non-detects)	P	Technical holding time
440-78428-1	M-12A EB-3 DUP-7	pH	J (all detects) UJ (all non-detects)	P	Technical holding time
440-78684-1	PC-97 PC-90 PC-91 PC-92 PC-94 PC-58 PC-56 PC-60 PC-59 PC-62 PC-68 PC-86	pH	J (all detects) UJ (all non-detects)	P	Technical holding time
440-78684-1	PC-86	Nitrate as N	J- (all detects) R (all non-detects)	P	Technical holding time

SDG	Sample	Analyte	Flag	A or P	Reason
440-78686-1	TR-8 TR-7 TR-3 TR-4 M-117 TR-5 TR-1 TR-11 M-156	pH	J (all detects) UJ (all non-detects)	P	Technical holding time
440-78689-1	I-AC	pH	J (all detects) UJ (all non-detects)	P	Technical holding time
440-78998-1	TR-12 Equipment Blank M-152 FD-1 M-150 M-154 M-164 M-162 M-163	pH	J (all detects) UJ (all non-detects)	P	Technical holding time
440-79170-1	M-181 M-155	pH	J (all detects) UJ (all non-detects)	P	Technical holding time
467090	ART-4A PC-117	Dissolved Hexavalent chromium	J- (all detects) R (all non-detects)	P	Technical holding time
468765	PC-91	Dissolved Hexavalent chromium	J- (all detects) R (all non-detects)	P	Technical holding time
440-77661-1	PC-128 PC-130 PC-132 PC-124 PC-126 PC-82 DUP-2	Nitrate as N	J- (all detects) UJ (all non-detects)	A	Matrix spike/Matrix spike duplicate (%R)
440-78114-1	H-28A M-6A	Total Recoverable Phenolics	J- (all detects) UJ (all nondetects)	A	Matrix spike/Matrix spike duplicate (%R)
440-78114-1	H-28A M-6A	Total organic carbon	J (all detects) UJ (all non-detects)	A	Matrix spike/Matrix spike duplicate (%R)(RPD)
440-78211-1	M-5A M-7B	Total Recoverable Phenolics	J- (all detects) UJ (all nondetects)	A	Matrix spike/Matrix spike duplicate (%R)
467090	ART-9	Alkalinity Fluoride Chloride Sulfate Nitrate as N Nitrite as N	J-CAB (all detects) J-CAB (all detects) J-CAB (all detects) J-CAB (all detects) J-CAB (all detects) J-CAB (all detects)	A	Sample result verification (ion balance %D)

SDG	Sample	Analyte	Flag	A or P	Reason
440-78118-1	FB-1-B	Perchlorate	DNR	-	Overall assessment of data

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No Sample Data Qualified in these SDGs

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Wet Chemistry - Field Blank Data Qualification Summary - SDGs 440-67075-1, 440-68764-1, 440-68537-1, 440-68671-1, 440-68948-1, 440-68971-1, 440-69094-1, 440-69096-1, 440-69099-1, 440-69261-1, 440-69262-1, 440-69440-1, 440-69445-1, 440-69677-1, 440-69678-1, 440-69679-1, 440-69680-1, 440-69696-1, 440-69820-1, 440-70243-1, 440-70245-1, 440-70421-1, 440-70423-1, 440-72444-1, 440-72598-1, 440-73141-1, 440-67726-1, 440-67756-1, 440-70471-1, 440-73280-1, 440-75214-1, 440-76132-1, 440-76251-1, 440-76253-1, 440-77513-1, 440-77515-1, 440-77661-1, 440-77893-1, 440-77965-1, 440-78104-1, 440-78114-1, 440-78118-1, 440-78202-1, 440-78211-1, 440-78309-1, 440-78401-1, 40-78428-1, 440-78606-1, 440-78607-1, 440-78684-1, 440-78686-1, 440-78689-1, 440-78862-1, 440-78998-1, 440-79035-1, 440-79170-1, 440-79884-1, 440-80727-1, 440-80787-1, 440-80918-1, 467090, 468765, and 469017

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