Data Validation Summary Report Revision 1
January through June 2016
Annual Remedial Performance Sampling
Nevada Environmental Response Trust (NERT)
Henderson, Nevada

Prepared for

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LIST OF ACRONYMS AND ABBREVIATIONS

ARP	Performance Report Sampling Event
CCB	Continuing Calibration Blank
BOD	Biochemical Oxygen Demand
DL	Detection Limit
DNR	Do Not Report
DOC	Dissolved Organic Carbon
DQO	Data Quality Objectives
DUP	Duplicate
DVSR	Data Validation Summary Report
EB	Equipment Blank
EPA	Environmental Protection Agency
FB	Field Blank
FD	Field Duplicate
HEM	Hexane Extractable Material
ICB	Initial Calibration Blank
ICV	Initial Calibration Verification
LCS/LCSD	Laboratory Control Sample / Laboratory Control Sample Duplicate
LDC	Laboratory Data Consultants, Inc.
MDL	Method Detection Limit
MS/MSD	Matrix Spike / Matrix Spike Duplicate
NDEP	Nevada Department of Environmental Protection
NERT	Nevada Environmental Response Trust
NFG	National Functional Guidelines
PARCCS	Precision, Accuracy, Representativeness, Comparability, Completeness, Sensitivity
PQL	Practical Quantitation Limit
QA/QC	Quality Assurance / Quality Control
QAPP	Quality Assurance Project Plan
Q1S	2016 Q1 Supplemental Sampling Event
Q2S	2016 Q2 Supplemental Sampling Event
RPD	Relative Percent Difference
SDG	Sample Delivery Group
SNWA	Weir Dewatered Groundwater Characterization Sampling Event for Southern Nevada Water Authority
SQL	Sample Quantitation Limit
SSAL	Silver State Analytical Laboratories
SWF	Seep Well Field Sampling Event
TB	Trip Blank
TCP	1,2,3-Trichloropropane
TDS	Total Dissolved Solids
TIN	Total Inorganic Nitrogen
TKN	Total Kjeldahl Nitrogen
TOC	Total Organic Carbon
TOX	Total Organic Halogen
TSS	Total Suspended Solids
USEPA	United States Environmental Protection Agency
VOC	Volatile Organic Compound
ug/L	Micrograms per Liter
mg/L	Milligram per Liter
%RSD	Percent Relative Standard Deviation
%D	Percent Difference
%R	Percent Recovery

1.0 INTRODUCTION

This data validation summary report (DVSR) has been prepared by Laboratory Data Consultants, Inc. (LDC) to assess the validity and usability of laboratory analytical data from the Annual Remedial Performance Sampling conducted at the Nevada Environmental Response Trust (NERT) site in Henderson, Nevada. The assessment was performed by Ramboll Environ as a part of the *Quality Assurance Project Plan* (QAPP), *Revision 1, Nevada Environmental Response Trust Site, Henderson, Nevada* dated July 2014 and included the collection and analyses of 857 environmental and quality control (QC) samples from the Performance Report (ARP), IX, 2016 Q1 Supplemental (Q1S), 2016 Q2 Supplemental (Q2S), Weir Dewatered Groundwater Characterization for Southern Nevada Water Authority (SNWA) and Seep Well Field (SWF) Sampling Events. The analyses were performed by the following methods:

Volatile Organic Compounds (VOCs) by Environmental Protection Agency (EPA) SW-846 Method 8260B
1,2,3-Trichloropropane (TCP) and 1,4-Dioxane by EPA SW-846 Method 8260B in Selective Ion Monitoring (SIM) Mode
Total and Dissolved Metals by EPA Methods 200.7/200.8
Dissolved Mercury by EPA SW-846 Method 7470A

Wet Chemistry:
Hexavalent Chromium by EPA Method 218.6
Chloride, Nitrate as Nitrogen, Nitrate as NO_3, Nitrite as Nitrogen, Orthophosphate as Phosphate, and Sulfate (Anions) by EPA Method 300.0
Nitrate/Nitrite as Nitrogen by Calculation
Total Inorganic Nitrogen (TIN) by Calculation
Chlorate by EPA Method 300.1B
Perchlorate by EPA Method 314.0
Ammonia as Nitrogen by EPA Method 350.1
Total Kjeldahl Nitrogen (TKN) by EPA Method 351.2
Total Phosphorus by EPA Method 365.3
Total Recoverable Phenolics by EPA Method 420.1
Hexane Extractable Material (HEM) by EPA Method 1664A
Alkalinity by Standard Method 2320B
Specific Conductance by Standard Method 2510B
Total Dissolved Solids (TDS) by Standard Method 2540C
Total Suspended Solids (TSS) by Standard Method 2540D
Ammonia as Nitrogen by Standard Method 4500-NH3 D
Biochemical Oxygen Demand (BOD) by Standard Method 5210B
Dissolved Organic Carbon (DOC) by Standard Method 5310B
Total Organic Carbon (TOC) by Standard Method 5310C
Total Organic Halogen (TOX) by EPA SW 846 Method 9020B
Sulfide by EPA SW 846 Method 9034
pH by EPA SW 846 Method 9040C
Field pH by WPH Method

Laboratory analytical services were provided by TestAmerica, Inc. Additional hexavalent chromium, nitrate as nitrogen and nitrate as NO_3 analyses were performed at Silver State Analytical Laboratories (SSAL). 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. Table II is a reference table that identifies the QC elements reviewed for each validation level per method, as applicable.

The laboratory analytical data were validated in accordance with procedures described in the Nevada Division of Environmental Protection (NDEP) *Data Verification and Validation Requirements - Supplement* established for the BMI Plant Sites and Common Areas Projects, Henderson, Nevada, April 13, 2009. Consistent with the NDEP requirements, approximately ninety percent of the analytical data were validated according to Stage 2B data validation procedures and approximately ten percent of the samples were validated according to Stage 4 data validation procedures. The number of samples and percentage of samples validated to Stage 2B and Stage 4 for each sampling event and for each method is presented in Table III.

The analytical data were evaluated for QA/QC based on the following documents: *Quality Assurance Project Plan, Revision 1, NERT Site, Henderson, Nevada,* July 2014; Nevada Department of Environmental Protection (NDEP) *Revised Guidance on Qualifying Data due to Blank Contamination for the BMI Complex and Common Areas,* January 5 2012; *USEPA National Functional Guidelines (NFG) for Superfund Organic Methods Data Review* (August 2014) and *for Inorganic Superfund Data Review* (August 2014); and the *EPA SW 846 Third Edition, Test Methods for Evaluating Solid Waste,* update I, July 1992; update IIA, August 1993; update II, September 1994; update IIB, January 1995; update III, December 1996; update IV, February 2007; update V, July 2014.

This report summarizes the QA/QC evaluation of the data according to precision, accuracy, representativeness, completeness, comparability, and sensitivity (PARCCS) relative to the project data quality objectives (DQOs). This report provides a quantitative and qualitative assessment of the data and identifies potential sources of error, uncertainty, and bias that may affect the overall usability.

The PARCCS summary report evaluates and summarizes the results of QA/QC data validation for the entire sampling program. Each analytical fraction has a separate section for each of the PARCCS criteria. These sections interpret specific QC deviations and their effects on both individual data points and the analyses as a whole. Section 7.0 presents a summary of the PARCCS criteria by comparing quantitative parameters with acceptability criteria defined in the project DQO's. Qualitative PARCCS criteria are also summarized in this section.

Precision and Accuracy of Environmental Data

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

Environmental and laboratory QA/QC samples assess the effects of sampling procedures and evaluate laboratory contamination, laboratory performance, and matrix effects. QA/QC samples include: trip blanks (TB), equipment blanks (EB), field blanks (FB), field duplicates (FD), method blanks, laboratory control samples/laboratory control sample duplicates (LCS/LCSD), laboratory duplicates (DUP), and matrix spike/matrix spike duplicates (MS/MSD).

Before conducting the PARCCS evaluation, the analytical data were validated according to the QAPP (July 2014), NFG (USEPA 2014), and EPA SW 846 Test Methods. Samples not meeting the acceptance criteria were qualified with a flag, an abbreviation indicating a deficiency with the data. The following are flags used in data validation.

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

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

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

R Rejected The data is unusable (the analyte may or may not be present). Use of the "R" qualifier indicates a significant variance from functional guideline acceptance criteria. Either resampling or reanalysis is necessary to determine the presence or absence of the rejected analyte.

U Nondetected Analyses were performed for the analyte, but it was not detected.

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

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

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+	The high bias (J+) flag is applied only to detected results.
J > J+ or J-	A non-biased (J) flag will always supersede biased (J+ or J-) flags since it is not possible to assess the direction of the potential bias.
J = J+ plus J-	Adding biased (J+, J-) flags with opposite signs will result in a non-biased flag (J).
UJ = U plus J	The UJ flag is used when a non-detected (U) flag is added to a non-biased flag (J).

Table IV lists the reason codes used. Reason codes explain why flags have been applied and allow data users to assess if a result is usable with qualification due to QA/QC outliers or not usable when rejected due to QA/QC outliers. Reason codes are cumulative except when one of the flags is R then only the reason code associated to the R flag will be used.

Table V presents the overall qualified results after all the flags or validation qualifiers and associated reason codes have been applied.

Once the data are reviewed and qualified according to the QAPP, NFG, and EPA Test Methods, the data set is then evaluated using PARCCS criteria. PARCCS criteria provide an evaluation of overall data usability. The following is a discussion of PARCCS criteria as related to the project DQOs.

Precision is a measure of the agreement or reproducibility of analytical results under a given set of conditions. It is a quantity that cannot be measured directly but is calculated from reported concentrations. Precision is expressed as the relative percent difference (RPD):

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

where:
D1 = reported concentration for the sample
D2 = reported concentration for the duplicate

Precision is primarily assessed by calculating an RPD from the reported concentrations of the spiked compounds for each sample in the MS/MSD pair. In the absence of an MS/MSD pair, a laboratory duplicate or LCS/LCSD pair can be analyzed as an alternative means of assessing precision. An additional measure of sampling precision was obtained by collecting and analyzing field duplicate samples, which were compared using the RPD result as the evaluation criteria.

MS and MSD samples are field samples spiked by the laboratory with target analytes prior to preparation and analysis. These samples measure the overall efficiency of the analytical method in recovering target analytes from an environmental matrix. A LCS is similar to an MS/MSD sample in that the LCS is spiked with the same target analytes prior to preparation and analysis. However, the LCS is prepared using a controlled interference-free matrix instead of a field sample aliquot. Laboratory reagent water is used to prepare aqueous LCS. The LCS measures laboratory efficiency in recovering target analytes from an aqueous matrix in the absence of matrix interferences.

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

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

Possible causes of poor precision include sample 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 samples containing surrogate spikes. In some cases, samples from multiple SDGs were within one QC batch and therefore are associated with the same laboratory QC samples. Surrogate spikes are either isotopically labeled compounds or compounds that are not typically detected in the samples. Surrogate spikes are added to

every blank, environmental sample, LCS, MS/MSD, and standard, for all applicable organic analyses. Accuracy of inorganic analyses is determined using the percent recoveries of MS and LCS analyses. Percent recovery (%R) is calculated using the following equation:

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

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

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

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

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

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.

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

Equipment blanks consist of analyte-free water poured over or through the sample collection equipment. The water is collected in a sample container for laboratory analysis. These blanks are collected after the sampling equipment is decontaminated and measure efficiency of the decontamination procedure.

Field blanks consist of analyte-free source water stored at the sample collection site. The water is collected from each source water used during each sampling event.

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

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

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

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

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

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

Completeness is also determined by comparing the planned number of samples per method and matrix as specified in the QAPP, with the number determined above.

Sensitivity is the ability of an analytical method or instrument to discriminate between measurement responses representing different concentrations. This capability is established during the planning phase to meet the DQOs. It is important that calibration requirements, detection limits (DLs), and PQLs presented in the QAPP are achieved and that target analytes can be detected at concentrations necessary to support the DQOs. The method detection limits (MDLs) represent the minimum concentration of a substance that can be measured and reported with 99 percent confidence that the analyte concentration is greater than zero. Sample quantitation limits (SQLs) are adjusted MDL values that reflect sample specific actions, such as dilutions or varying aliquot sizes. PQLs are the lowest level at which the entire analytical system gives a recognizable signal and acceptable calibration point for the analyte. The laboratory is required to report detected analytes down to the MDL for this project. The laboratory uses a formatter that reports estimated values down to the MDL. 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 VOLATILE ORGANIC COMPOUNDS

A total of 77 water samples were analyzed for VOCs by EPA SW-846 Method 8260B. All VOC data were assessed to be valid with the exception of one of the 4,659 total results which was rejected based on matrix spike recoveries. This section discusses the QA/QC supporting documentation as defined by the PARCCS criteria and evaluated based on the DQOs.

2.1 Precision and Accuracy

2.1.1 Instrument Calibration

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

The %RSDs met the acceptance criteria of 15 percent for each individual compound and 30 percent for calibration check compounds, or the coefficient of determination (r^2) was $\geq$ 0.990 in the initial calibration. The %Ds in the continuing calibration verifications met the acceptance criteria of 20 percent.

Four results were qualified as non-detected estimated (UJ). The %Ds in the initial calibration verifications were outside the acceptance criteria of 20 percent. The affected compounds are dichlorodifluoromethane and chloromethane. The details regarding the qualification of results are provided in Attachment A.

2.1.2 Surrogates

No data were qualified due to a high surrogate %R, since the associated results for sample M-145-20160615-FB were not detected.

2.1.3 MS/MSD Samples

As a result of grossly exceeded MS/MSD %R (e.g., < 0%), the styrene result in sample PC-151-20160211 was qualified as rejected (R). Additionally, the styrene result in sample PC-160-20160210 was qualified as non-detected estimated (UJ) as a result of MS/MSD %R outside the laboratory acceptance criteria.

No data were qualified due to PC-160-20160210MS/MSD RPD outside the laboratory acceptance criteria, since the associated result was not detected.

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

2.1.4 LCS Samples

All LCS %Rs met the laboratory acceptance criteria.

2.1.5 Internal Standards

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

2.1.6 FD Samples

The field duplicate samples were evaluated for acceptable precision with RPDs for the compounds. All RPDs for results that were reported above the PQL met the QAPP acceptance criteria.

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

2.1.7 Compound Quantitation and Target Identification

Raw data were evaluated for 10 VOC samples. All compound quantitation and target identifications were acceptable for these Stage 4 samples.

2.2 Representativeness

2.2.1 Sample Preservation and Holding Times

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

2.2.2 Blanks

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

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

> Results Below the PQL Using professional judgment, if a sample result for the blank contaminant was less than the PQL and the sample result was less than or equal to 2 times the blank value, the sample result was qualified as detected estimated (J) at the reported concentration.
>
> Results Above the PQL Using professional judgment, if a sample result for the blank contaminant was greater than the PQL and the sample result was less than or equal to 2 times the blank contaminant value, the sample result was qualified as detected estimated (J+) at the reported concentration.
>
> No Action Using professional judgment, if a sample result for the blank contaminant was greater than 2 times the blank value, the result was not amended.

2.2.2.1 Method blanks

No contaminants were detected in the method blanks for this analysis.

2.2.2.2 TBs

No contaminants were detected in the trip blanks for this analysis.

2.2.2.3 EBs and FBs

As a result of contamination found in the associated field blank, the methylene chloride results in samples M-148A-20160210, M-145-20160210, and M-189-20160210 were qualified as detected estimated (J). The details regarding the qualification of results are provided in Attachment A.

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

2.3 Comparability

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

2.4 Completeness

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

2.5 Sensitivity

The calibration was evaluated for instrument sensitivity and was determined to be technically acceptable. For the Q2 Supplemental sampling event, all laboratory PQLs met the specified requirements in the QAPP with the exception of several VOCs. The PQL for several VOCs were reported at 1.0 ug/L which exceeded the QAPP PQL at 0.5 ug/L. No data were qualified due to these elevated PQLs since the laboratory reported results down to the MDL at 0.25 ug/L.

3.0 1,2,3-TRICHLOROPROPANE AND 1,4-DIOXANE

A total of 38 water samples were analyzed for 1,2,3-trichloropropane and 1,4-dioxane by EPA SW-846 Method 8260B-SIM. All 1,2,3-trichloropropane and 1,4-dioxane data were assessed to be valid since none of the 76 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

The %RSDs met the acceptance criteria of 15 percent in the initial calibration. The %Ds in the continuing calibration verifications met the acceptance criteria of 20 percent.

Five 1,2,3-trichloropropane results were qualified as detected estimated (J+). The %Ds in the initial calibration verifications were outside the acceptance criteria of 20 percent. The details regarding the qualification of results are provided in Attachment B.

3.1.2 Surrogates

All surrogate %Rs met the laboratory acceptance criteria.

3.1.3 MS/MSD Samples

No data were qualified due to high MS/MSD %Rs for 1,2,3-trichloropropane or 1,4-dioxane, since the associated results in four samples were not detected.

All MS/MSD RPDs met the laboratory acceptance criteria.

3.1.4 LCS Samples

No data were qualified due to high LCS %Rs for 1,2,3-trichloropropane, since the associated results in 31

samples were not detected.

3.1.5 Internal Standards

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

3.1.6 FD Samples

No results were detected in field duplicate samples M-186D-20160614 and M-186D-20160614-FD and samples PC-160-20160616 and PC-160-20160616-FD.

Given the additional uncertainty in results reported below the PQL, no data were qualified due to the RPD outside the QAPP acceptance criteria for 1,4-dioxane for field duplicate samples PC-157A-20160614 and PC-157A-20160614-FD. The results in either the primary or duplicate sample were below the PQL or not detected.

3.1.7 Compound Quantitation and Target Identification

Raw data were evaluated for four 1,2,3-trichloropropane and 1,4-dioxane samples. All compound quantitation and target identifications were acceptable for these Stage 4 samples.

3.2 Representativeness

3.2.1 Sample Preservation and Holding Times

The evaluation of holding times to verify compliance with the method was conducted. All samples met the 14-day analysis holding time criteria for 1,2,3-trichloropropane and 1,4-dioxane.

3.2.2 Blanks

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

3.2.2.1 Method blanks

No contaminants were detected in the method blanks for this analysis.

3.2.2.2 TBs

No contaminants were detected in the trip blanks for this analysis.

3.2.2.3 EBs and FBs

No contaminants were 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. Target compounds detected below the PQLs flagged (J) by the laboratory should be considered estimated. The comparability of the VOC data is regarded as acceptable.

3.4 Completeness

The completeness level attained for 1,2,3-trichloropropane and 1,4-dioxane 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 TOTAL AND DISSOLVED METALS

A total of 11 water samples were analyzed for total metals by EPA Method 200.7/200.8; 616 water samples were analyzed for chromium by EPA Method 200.7; 112 water samples were analyzed for dissolved metals by EPA Methods 200.7/200.8 and 40 water samples were analyzed for dissolved mercury by EPA Method SW 846 7470A. All metals data were assessed to be valid since none of the 1,619 total results were rejected based on holding time and QC exceedances. This section discusses the QA/QC supporting documentation as defined by the PARCCS criteria and evaluated based on the DQOs.

4.1 Precision and Accuracy

4.1.1 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 method acceptance criteria of ≥ 0.995. The %Rs in the initial and continuing calibration verifications were within the method acceptance criteria of 90-110%.

Three aluminum and zinc results were qualified as detected estimated (J+) and ten lead results were qualified as non-detected estimated (UJ) due to the low level check standards (CRI) %Rs outside of the acceptance criteria of 70-130%. Positive bias was removed for two aluminum results since these results were also qualified as estimated (J) due to method blank contamination.

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

4.1.2 MS/MSD Samples

The potassium results in samples BP-01-20160217, BP-02-20160217, BP-03-20160217, and BP-04-20160217 were qualified as detected estimated (J-) due to MS/MSD %Rs outside of the laboratory acceptance criteria. MS/MSD RPDs met the laboratory acceptance criteria. The details regarding the qualification of results are provided in Attachment C.

All MS/MSD RPDs met the laboratory acceptance criteria.

4.1.3 LCS/LCSD Samples

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

4.1.4 ICP Interference Check Sample

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

4.1.5 Internal Standards

All internal standard %Rs met the method acceptance criteria.

4.1.6 FD Samples

Due to RPDs outside the QAPP acceptance criteria of ≤ 30, eight results that were reported above the PQL in four field duplicate pairs were qualified as detected estimated (J).

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

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

4.1.7 Sample Result Verification

Raw data were evaluated for 71 samples for chromium, three samples for total metals and 18 samples for dissolved metals, and six samples for dissolved mercury. All reported sample results were greater than the SQL and were correctly calculated for these Stage 4 samples.

In instances wherein a sample was analyzed twice by the laboratory and were submitted in different SDGs, data were qualified as not reportable (DNR) by the validators in order to yield only one complete set of data for a given sample. For sample M-10-20160617, the higher result from the second analysis was considered most useable as a conservative approach relative to the protection of the environment.

4.2 Representativeness

4.2.1 Sample Preservation and Holding Times

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

4.2.2 Blanks

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

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

Results Below the PQL If a sample result was less than the PQL and the blank contaminant value was either less than or greater 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.

4.2.2.1 Method and Calibration Blanks

Sixteen aluminum, antimony, iron and lead results in 14 samples were qualified as detected estimated (J) due to laboratory and calibration blank contamination. The details regarding the qualification of results are presented in Attachment C.

4.2.2.2 EBs and FBs

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

4.3 Comparability

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

4.4 Completeness

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

4.5 Sensitivity

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

5.0 WET CHEMISTRY

A total of 354 water samples were analyzed for hexavalent chromium by EPA Method 218.6; 98 water samples were analyzed for anions by EPA Method 300.0; two water samples were analyzed for ammonia as nitrogen by EPA Method 350.1, nitrate/nitrite as nitrogen by Calculation Method and TIN by Calculation Method; 145 water samples were analyzed for chlorate by EPA Method 300.1B; 840 water samples were analyzed for perchlorate by EPA Method 314.0; four water samples were analyzed for phenolics by EPA Method 420.1, specific conductance by Standard Method 2510, TOC by Standard Method 5310C, and TOX by EPA SW-846 Method 9020; 820 water samples were analyzed for TDS by Standard Method 2540C; 732 water samples were collected for field pH by WPH method; 45 water samples were analyzed for alkalinity by Standard Method 2320B; 43 water samples were analyzed by total phosphorus by EPA Method 365.3; three water samples were analyzed by TKN by EPA Method 351.2, HEM by EPA Method 1664A, TSS by Standard Method 2540D, ammonia as nitrogen by Standard

Method 4500-NH3 D, BOD by Standard Method 5210B, sulfide by SW 846 EPA Method 9034 and pH by EPA SW 846 Method 9040C; and 40 water samples were analyzed for DOC by Standard Method 5310B. All wet chemistry data were assessed to be valid since none of the 3,424 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.

5.1 Precision and Accuracy

5.1.1 Instrument Calibration

As previously discussed in Section 3.1.1, 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.

Sixty-two hexavalent chromium results were qualified as detected estimated (J+,J-) or non-detected estimated (UJ) due to continuing calibration verification %Rs outside the acceptance criteria of 90-110%. Positive bias was removed for one of 62 hexavalent chromium results since this result was also qualified as estimated (J-,J) due to MS/MSD %R or RPD exceedance.

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

5.1.2 Surrogate

All surrogate %Rs associated to the chlorate analysis met the laboratory acceptance criteria.

5.1.3 MS/MSD Samples

MS/MSD samples were evaluated for alkalinity, ammonia as nitrogen, anions, chlorate, DOC, hexavalent chromium, perchlorate, phenolics, phosphorus, sulfide, TOC and TOX. Twenty-five perchlorate, hexavalent chromium, nitrate as nitrogen, nitrate as NO_3, orthophosphate as phosphate, phosphorus and TOX results were qualified as detected estimated (J+,J-) or non-detected estimated (UJ) due to MS/MSD %Rs outside the laboratory acceptance criteria. Positive bias was removed for one nitrate as nitrogen result since it was also qualified as estimated (J-) due holding time exceedance. Negative bias was removed for the TOX result since it was also qualified as estimated (J) due MS/MSD RPD exceedance.

Three hexavalent chromium, orthophosphate as phosphate and TOX results were qualified as detected estimated (J) due to MS/MSD %RPDs outside the laboratory acceptance criteria.

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

5.1.4 DUP Samples

DUP samples were evaluated for alkalinity, pH and TDS. All DUP RPDs met the laboratory criteria.

5.1.5 LCS Samples

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

5.1.6 FD Samples

Due to RPDs outside the QAPP acceptance criteria of ≤ 30, eight results in four field duplicate pairs were

qualified as detected estimated (J). The details regarding the qualification of results are presented in Attachment D.

5.1.7 Sample Result Verification

Raw data were evaluated for 42 hexavalent chromium samples, 17 anion samples, one nitrate/nitrite as nitrogen sample, one TIN sample, 26 chlorate samples, 94 perchlorate samples, one phenolics sample, one specific conductance sample, 90 TDS samples, 78 field pH samples, one TOC sample, one TOX sample, seven alkalinity samples, one TKN sample, seven phosphorus samples, one HEM sample, one TSS sample, one ammonia as nitrogen sample by EPA Method 350.1 and Standard Method 4500-NH3 D, one BOD sample, one sulfide sample, one pH sample by Method 9040C and six DOC samples. All reported sample results were greater than the SQL and correctly calculated for these Stage 4 samples.

In instances wherein data were provided for both undiluted and diluted analyses, the data from the diluted analysis were qualified as not reportable (DNR) by the validators in order to yield only one complete set of data for a given sample. For sample M-10-20160607, the original results for nitrate as nitrogen and nitrite as nitrogen were considered most useable.

5.2 Representativeness

5.2.1 Sample Preservation and Holding Times

The evaluation of holding times to verify compliance with all wet chemistry methods was conducted. All water samples met the 48-hour analysis holding time criteria for BOD, nitrite as nitrogen, and orthophosphate as phosphate, the 7-day analysis holding time criteria for sulfide, and TSS, and the 28-day analysis holding time criteria for ammonia as nitrogen, chlorate, chloride, DOC, HEM, perchlorate, phenolics, phosphorus, specific conductance, sulfate, TKN, TOC, and TOX.

Due to holding time criteria exceedance, three pH results by Method 9040C were qualified as detected estimated (J). Bias cannot be determined. Additionally, 54 alkalinity, hexavalent chromium, nitrate as nitrogen, nitrate as NO_3, TDS results were qualified as detected estimated (J-) or non-detected estimated (UJ). The analysis holding time criteria is 24 hours for hexavalent chromium for an unpreserved water sample, 48 hours for nitrate as nitrogen, nitrate as NO_3, and pH, 7 days for TDS and 14 days for alkalinity. Negative bias was removed for two nitrate as nitrogen results since these results were also qualified as estimated (J,J+) due to blank contamination or MS/MSD %R exceedance.

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

5.2.2 Blanks

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

5.2.2.1 Method and Calibration Blanks

The nitrate as nitrogen result in sample PC-131-20160509 was qualified as detected estimated (J) due to a contaminant detected in the associated calibration blank. The details regarding the qualification of results are presented in Attachment C.

5.2.2.2 EBs and FBs

The perchlorate result in sample PC-68-20160406 was qualified as detected estimated (J) due to a contaminant detected in the associated equipment blank. The details regarding the qualification of results

are presented in Attachment C.

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

5.3 Comparability

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

5.4 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.

5.5 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.

6.0 VARIANCES IN ANALYTICAL PERFORMANCE

The laboratory used standard analytical methods for all of the analyses throughout the project. The analyses were conducted within all specifications of the method with the exceptions noted below:

Initial calibration verification/continuing calibration verifications (ICV/CCV) were not performed at the required frequency for hexavalent chromium in several SDGs and a closing CCV was not performed for nitrate as NO_3 for sample BP-05-20160218. Using professional judgment, data were not qualified in the associated samples. Since bracketing CCVs, and MS/MSD and LCS percent recoveries were within criteria, the absence of ICV/CCV was judged to have no impact on the data quality.

Initial calibration blank/continuing calibration blanks (ICB/CCB) were not performed at the required frequency. Using professional judgment, data were not qualified in the associated samples. Since the associated method blank was analyzed prior to the samples and no contaminants were found, the absence of ICB/CCB was judged to have no impact on the data quality.

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

7.0 SUMMARY OF PARCCS CRITERIA

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

7.1 Precision and Accuracy

Precision and accuracy were evaluated using data quality indicators such as 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 with the exceptions noted in Sections 2.1.1, 3.1.1 4.1.1 and 5.1.1. All surrogate, MS/MSD, DUP, LCS, and field duplicate percent recoveries, RPDs, and difference met acceptance criteria with the exceptions noted in Sections 2.1.3,

4.1.2, 4.1.6, 5.1.3 and 5.1.6. All ICP interference check sample %Rs met acceptance criteria.

7.2 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.

7.3 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 exception noted in Section 5.2.1. The overall comparability is considered acceptable after integration of result qualification.

7.4 Completeness

Of the 9,777 total analytes reported, one VOC result was rejected. The completeness for the SDGs is as follows:

Parameter	Total Analytes	No. of Rejects	% Completeness
VOC	4,659	1	99.98
1,2,3-Trichloropropane & 1,4-Dioxane	76	0	100
Metals	1,618	0	100
Wet Chemistry	3,424	0	100
Total	**9,777**	**1**	**99.99**

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

7.5 Sensitivity

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

8.0 CONCLUSIONS AND RECOMMENDATIONS

The analytical data quality assessment for the water sample laboratory analytical results generated during the Annual Remedial Performance Sampling at the NERT site in Henderson, Nevada established that the overall project requirements and completeness levels were met. The VOC sample result that was rejected (R) is unusable for all purposes. 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.

9.0 REFERENCES

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

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

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

USEPA 2014. National Functional Guidelines for Superfund Organic Methods Data Review. August.

USEPA 2014. National Functional Guidelines for Inorganic Superfund Data Review. August.

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

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

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

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

TABLES

Table I. Sample Cross Reference

Sampling Event	SDG	Client ID	Lab ID	QC Type	Sample Date	Matrix	Validation Level	VOC (8260B)	1,2,3-Trichloropropane & 1,4-Dioxane (SW8260BSIM)	Total Metals (200.7/200.8)	Chromium (200.7)	Dissolved Metals (200.7)	Dissolved Metals (200.7/200.8)	Dissolved Mercury (7470A)	CrVI (218.6)	Anions (300.0)	NO_3-N/NO_3-NO_3 (300.0) SSAL	NO_3-NO_2 as N (Calc)	TIN (Calc)	Chlorate (300.1B)	Perchlorate (314.0)	NH_3 as N (350.1)	TKN (351.2)	Phophorus (365.3)	Recoverable Phenolics (420.1)	HEM (1664A)	Alkalinity (2320B)
ARP	4401331051	ART-1-20160105	440-133105-1		2016-01-05	Water	Stage 2B								X											
ARP	4401331051	PC-116R-20160105	440-133105-10		2016-01-05	Water	Stage 2B								X											
ARP	4401331051	PC-117-20160105	440-133105-11		2016-01-05	Water	Stage 2B								X											
ARP	4401331051	PC-118-20160105	440-133105-12		2016-01-05	Water	Stage 2B								X											
ARP	4401331051	PC-119-20160105	440-133105-13		2016-01-05	Water	Stage 2B								X											
ARP	4401331051	PC-120-20160105	440-133105-14		2016-01-05	Water	Stage 2B								X											
ARP	4401331051	PC-121-20160105	440-133105-15		2016-01-05	Water	Stage 2B								X											
ARP	4401331051	PC-133-20160105	440-133105-16		2016-01-05	Water	Stage 2B								X											
ARP	4401331051	PC-150-20160105	440-133105-17		2016-01-05	Water	Stage 2B								X											
ARP	4401331051	ART-2-20160105	440-133105-2		2016-01-05	Water	Stage 2B								X											
ARP	4401331051	ART-3A-20160105	440-133105-3		2016-01-05	Water	Stage 2B								X											
ARP	4401331051	ART-4-20160105	440-133105-4		2016-01-05	Water	Stage 2B								X											
ARP	4401331051	ART-7A-20160105	440-133105-5		2016-01-05	Water	Stage 2B								X											
ARP	4401331051	ART-8A-20160105	440-133105-6		2016-01-05	Water	Stage 2B								X											
ARP	4401331051	ART-9-20160105	440-133105-7		2016-01-05	Water	Stage 2B								X											
ARP	4401331051	PC-99R2/R3-20160105	440-133105-8		2016-01-05	Water	Stage 2B								X											
ARP	4401331051	PC-115R-20160105	440-133105-9		2016-01-05	Water	Stage 2B								X											
ARP	4401332951	ART-1-20160105	440-133295-1		2016-01-05	Water	Stage 2B				X										X					
ARP	4401332951	PC-116R-20160105	440-133295-10		2016-01-05	Water	Stage 2B				X										X					
ARP	4401332951	PC-117-20160105	440-133295-11		2016-01-05	Water	Stage 2B				X										X					
ARP	4401332951	PC-118-20160105	440-133295-12		2016-01-05	Water	Stage 2B				X										X					
ARP	4401332951	PC-119-20160105	440-133295-13		2016-01-05	Water	Stage 2B				X										X					
ARP	4401332951	PC-120-20160105	440-133295-14		2016-01-05	Water	Stage 2B				X										X					
ARP	4401332951	PC-121-20160105	440-133295-15		2016-01-05	Water	Stage 2B				X										X					
ARP	4401332951	PC-133-20160105	440-133295-16		2016-01-05	Water	Stage 2B				X										X					
ARP	4401332951	PC-150-20160105	440-133295-17		2016-01-05	Water	Stage 2B				X										X					
ARP	4401332951	ART-2-20160105	440-133295-2		2016-01-05	Water	Stage 2B				X										X					
ARP	4401332951	ART-3A-20160105	440-133295-3		2016-01-05	Water	Stage 2B				X										X					
ARP	4401332951	ART-4-20160105	440-133295-4		2016-01-05	Water	Stage 2B				X										X					
ARP	4401332951	ART-7A-20160105	440-133295-5		2016-01-05	Water	Stage 2B				X										X					
ARP	4401332951	ART-8A-20160105	440-133295-6		2016-01-05	Water	Stage 2B				X										X					
ARP	4401332951	ART-9-20160105	440-133295-7		2016-01-05	Water	Stage 2B				X										X					
ARP	4401332951	PC-99R2/R3-20160105	440-133295-8		2016-01-05	Water	Stage 2B				X										X					
ARP	4401332951	PC-115R-20160105	440-133295-9		2016-01-05	Water	Stage 2B				X										X					
ARP	4401348021	M-83-20160112	440-134802-1		2016-01-12	Water	Stage 4								X											
ARP	4401348021	PC-97-20160112	440-134802-2		2016-01-12	Water	Stage 4								X											
ARP	4401348021	PC-90-20160112	440-134802-3		2016-01-12	Water	Stage 4								X											
ARP	4401348021	PC-91-20160112	440-134802-4		2016-01-12	Water	Stage 4								X											
ARP	4401348021	PC-58-20160112	440-134802-5		2016-01-12	Water	Stage 4								X											
ARP	4401348021	PC-56-20160112	440-134802-6		2016-01-12	Water	Stage 4								X											

Table I. Sample Cross Reference

Sampling Event	SDG	Client ID	Lab ID	QC Type	Sample Date	Matrix	Validation Level	VOC (8260B)	1,2,3-Trichloropropane & 1,4-Dioxane (SW8260BSIM)	Total Metals (200.7/200.8)	Chromium (200.7)	Dissolved Metals (200.7)	Dissolved Metals (200.7/200.8)	Dissolved Mercury (7470A)	CrVI (218.6)	Anions (300.0)	NO_3-N/NO_3-NO_3 (300.0) SSAL	NO_3-NO_2 as N (Calc)	TIN (Calc)	Chlorate (300.1B)	Perchlorate (314.0)	NH_3 as N (350.1)	TKN (351.2)	Phophorus (365.3)	Recoverable Phenolics (420.1)	HEM (1664A)	Alkalinity (2320B)
ARP	4401348021	PC-60-20160112	440-134802-7		2016-01-12	Water	Stage 4								X											
ARP	4401348021	PC-59-20160112	440-134802-8		2016-01-12	Water	Stage 4								X											
ARP	4401348031	M-83-20160112	440-134803-1		2016-01-12	Water	Stage 2B				X										X					
ARP	4401348031	PC-97-20160112	440-134803-2		2016-01-12	Water	Stage 2B				X										X					
ARP	4401348031	PC-90-20160112	440-134803-3		2016-01-12	Water	Stage 2B				X										X					
ARP	4401348031	PC-91-20160112	440-134803-4		2016-01-12	Water	Stage 2B				X										X					
ARP	4401348031	PC-58-20160112	440-134803-5		2016-01-12	Water	Stage 2B				X										X					
ARP	4401348031	PC-56-20160112	440-134803-6		2016-01-12	Water	Stage 2B				X										X					
ARP	4401348031	PC-60-20160112	440-134803-7		2016-01-12	Water	Stage 2B				X										X					
ARP	4401348031	PC-59-20160112	440-134803-8		2016-01-12	Water	Stage 2B				X										X					
ARP	4401348031	MEB-1-20160112	440-134803-9	EB	2016-01-12	Water	Stage 2B														X					
ARP	4401350401	PC-62-20160113	440-135040-1		2016-01-13	Water	Stage 2B				X										X					
ARP	4401350401	MW-K4-20160113	440-135040-10		2016-01-13	Water	Stage 2B				X										X					
ARP	4401350401	PC-101R-20160113	440-135040-11		2016-01-13	Water	Stage 2B				X										X					
ARP	4401350401	ARP-3A-20160113	440-135040-12		2016-01-13	Water	Stage 2B				X										X					
ARP	4401350401	ARP-2A-20160113	440-135040-13		2016-01-13	Water	Stage 2B				X										X					
ARP	4401350401	PC-68-20160113	440-135040-14		2016-01-13	Water	Stage 2B				X										X					
ARP	4401350401	PC-86-20160113	440-135040-2		2016-01-13	Water	Stage 2B				X										X					
ARP	4401350401	PC-122-20160113	440-135040-3		2016-01-13	Water	Stage 2B				X										X					
ARP	4401350401	PC-53-20160113	440-135040-4		2016-01-13	Water	Stage 2B				X										X					
ARP	4401350401	MW-K5-20160113	440-135040-5		2016-01-13	Water	Stage 2B				X										X					
ARP	4401350401	ARP-7-20160113	440-135040-6		2016-01-13	Water	Stage 2B				X										X					
ARP	4401350401	ARP-6B-20160113	440-135040-7		2016-01-13	Water	Stage 2B				X										X					
ARP	4401350401	ARP-5A-20160113	440-135040-8		2016-01-13	Water	Stage 2B				X										X					
ARP	4401350401	ARP-4A-20160113	440-135040-9		2016-01-13	Water	Stage 2B				X										X					
ARP	4401350591	PC-62-20160113	440-135059-1		2016-01-13	Water	Stage 2B								X											
ARP	4401350591	MW-K4-20160113	440-135059-10		2016-01-13	Water	Stage 2B								X											
ARP	4401350591	PC-101R-20160113	440-135059-11		2016-01-13	Water	Stage 2B								X											
ARP	4401350591	ARP-3A-20160113	440-135059-12		2016-01-13	Water	Stage 2B								X											
ARP	4401350591	ARP-2A-20160113	440-135059-13		2016-01-13	Water	Stage 2B								X											
ARP	4401350591	PC-68-20160113	440-135059-14		2016-01-13	Water	Stage 2B								X											
ARP	4401350591	PC-86-20160113	440-135059-2		2016-01-13	Water	Stage 2B								X											
ARP	4401350591	PC-122-20160113	440-135059-3		2016-01-13	Water	Stage 2B								X											
ARP	4401350591	PC-53-20160113	440-135059-4		2016-01-13	Water	Stage 2B								X											
ARP	4401350591	MW-K5-20160113	440-135059-5		2016-01-13	Water	Stage 2B								X											
ARP	4401350591	ARP-7-20160113	440-135059-6		2016-01-13	Water	Stage 2B								X											
ARP	4401350591	ARP-6B-20160113	440-135059-7		2016-01-13	Water	Stage 2B								X											
ARP	4401350591	ARP-5A-20160113	440-135059-8		2016-01-13	Water	Stage 2B								X											
ARP	4401350591	ARP-4A-20160113	440-135059-9		2016-01-13	Water	Stage 2B								X											
ARP	4401350641	PC-55-20160114	440-135064-1		2016-01-14	Water	Stage 2B								X											

Table I. Sample Cross Reference

Sampling Event	SDG	Client ID	Lab ID	QC Type	Sample Date	Matrix	Validation Level	VOC (8260B)	1,2,3-Trichloropropane & 1,4-Dioxane (SW8260BSIM)	Total Metals (200.7/200.8)	Chromium (200.7)	Dissolved Metals (200.7)	Dissolved Metals (200.7/200.8)	Dissolved Mercury (7470A)	CrVI (218.6)	Anions (300.0)	NO_3-N/NO_3-NO_3 (300.0) SSAL	NO_3-NO_2 as N (Calc)	TIN (Calc)	Chlorate (300.1B)	Perchlorate (314.0)	NH_3 as N (350.1)	TKN (351.2)	Phophorus (365.3)	Recoverable Phenolics (420.1)	HEM (1664A)	Alkalinity (2320B)
ARP	4401350641	ARP-1-20160114	440-135064-2		2016-01-14	Water	Stage 2B								X											
ARP	4401350641	PC-98R-20160114	440-135064-3		2016-01-14	Water	Stage 2B								X											
ARP	4401350641	PC-103-20160114	440-135064-4		2016-01-14	Water	Stage 2B								X											
ARP	4401351411	PC-55-20160114	440-135141-1		2016-01-14	Water	Stage 2B				X										X					
ARP	4401351411	ARP-1-20160114	440-135141-2		2016-01-14	Water	Stage 2B				X										X					
ARP	4401351411	PC-98R-20160114	440-135141-3		2016-01-14	Water	Stage 2B				X										X					
ARP	4401351411	PC-103-20160114	440-135141-4		2016-01-14	Water	Stage 2B				X										X					
ARP	4401355101	I-M-20160119	440-135510-1		2016-01-19	Water	Stage 2B								X											
ARP	4401355101	I-AA-20160119	440-135510-10		2016-01-19	Water	Stage 2B								X											
ARP	4401355101	I-AR-20160119	440-135510-11		2016-01-19	Water	Stage 2B								X											
ARP	4401355101	I-O-20160119	440-135510-12		2016-01-19	Water	Stage 2B								X											
ARP	4401355101	I-W-20160119	440-135510-13		2016-01-19	Water	Stage 2B								X											
ARP	4401355101	I-P-20160119	440-135510-14		2016-01-19	Water	Stage 2B								X											
ARP	4401355101	I-H-20160119	440-135510-15		2016-01-19	Water	Stage 2B								X											
ARP	4401355101	I-U-20160119	440-135510-16		2016-01-19	Water	Stage 2B								X											
ARP	4401355101	I-T-20160119	440-135510-17		2016-01-19	Water	Stage 2B								X											
ARP	4401355101	I-G-20160119	440-135510-18		2016-01-19	Water	Stage 2B								X											
ARP	4401355101	I-Q-20160119	440-135510-19		2016-01-19	Water	Stage 2B								X											
ARP	4401355101	I-D-20160119	440-135510-2		2016-01-19	Water	Stage 2B								X											
ARP	4401355101	I-F-20160119	440-135510-20		2016-01-19	Water	Stage 2B								X											
ARP	4401355101	I-X-20160119	440-135510-21		2016-01-19	Water	Stage 2B								X											
ARP	4401355101	I-N-20160119	440-135510-22		2016-01-19	Water	Stage 2B								X											
ARP	4401355101	I-E-20160119	440-135510-23		2016-01-19	Water	Stage 2B								X											
ARP	4401355101	I-V-20160119	440-135510-24		2016-01-19	Water	Stage 2B								X											
ARP	4401355101	I-I-20160119	440-135510-25		2016-01-19	Water	Stage 2B								X											
ARP	4401355101	I-Z-20160119	440-135510-26		2016-01-19	Water	Stage 2B								X											
ARP	4401355101	I-J-20160119	440-135510-27		2016-01-19	Water	Stage 2B								X											
ARP	4401355101	I-K-20160119	440-135510-28		2016-01-19	Water	Stage 2B								X											
ARP	4401355101	I-AC-20160119	440-135510-29		2016-01-19	Water	Stage 2B								X											
ARP	4401355101	I-C-20160119	440-135510-3		2016-01-19	Water	Stage 2B								X											
ARP	4401355101	I-AD-20160119	440-135510-30		2016-01-19	Water	Stage 2B								X											
ARP	4401355101	I-S-20160119	440-135510-4		2016-01-19	Water	Stage 2B								X											
ARP	4401355101	I-L-20160119	440-135510-5		2016-01-19	Water	Stage 2B								X											
ARP	4401355101	I-Y-20160119	440-135510-6		2016-01-19	Water	Stage 2B								X											
ARP	4401355101	I-R-20160119	440-135510-7		2016-01-19	Water	Stage 2B								X											
ARP	4401355101	I-B-20160119	440-135510-8		2016-01-19	Water	Stage 2B								X											
ARP	4401355101	I-AB-20160119	440-135510-9		2016-01-19	Water	Stage 2B								X											
ARP	4401355741	I-M-20160119	440-135574-1		2016-01-19	Water	Stage 2B				X										X					
ARP	4401355741	I-AA-20160119	440-135574-10		2016-01-19	Water	Stage 2B				X										X					
ARP	4401355741	I-AR-20160119	440-135574-11		2016-01-19	Water	Stage 2B				X										X					

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Sampling Event	SDG	Client ID	Lab ID	QC Type	Sample Date	Matrix	Validation Level	VOC (8260B)	1,2,3-Trichloropropane & 1,4-Dioxane (SW8260BSIM)	Total Metals (200.7/200.8)	Chromium (200.7)	Dissolved Metals (200.7)	Dissolved Metals (200.7/200.8)	Dissolved Mercury (7470A)	CrVI (218.6)	Anions (300.0)	NO_3-N/NO_3-NO_3 (300.0) SSAL	NO_3-NO_2 as N (Calc)	TIN (Calc)	Chlorate (300.1B)	Perchlorate (314.0)	NH_3 as N (350.1)	TKN (351.2)	Phophorus (365.3)	Recoverable Phenolics (420.1)	HEM (1664A)	Alkalinity (2320B)
ARP	4401355741	I-O-20160119	440-135574-12		2016-01-19	Water	Stage 2B				X										X						
ARP	4401355741	I-W-20160119	440-135574-13		2016-01-19	Water	Stage 2B				X										X						
ARP	4401355741	I-P-20160119	440-135574-14		2016-01-19	Water	Stage 2B				X										X						
ARP	4401355741	I-H-20160119	440-135574-15		2016-01-19	Water	Stage 2B				X										X						
ARP	4401355741	I-U-20160119	440-135574-16		2016-01-19	Water	Stage 2B				X										X						
ARP	4401355741	I-T-20160119	440-135574-17		2016-01-19	Water	Stage 2B				X										X						
ARP	4401355741	I-G-20160119	440-135574-18		2016-01-19	Water	Stage 2B				X										X						
ARP	4401355741	I-Q-20160119	440-135574-19		2016-01-19	Water	Stage 2B				X										X						
ARP	4401355741	I-D-20160119	440-135574-2		2016-01-19	Water	Stage 2B				X										X						
ARP	4401355741	I-F-20160119	440-135574-20		2016-01-19	Water	Stage 2B				X										X						
ARP	4401355741	I-X-20160119	440-135574-21		2016-01-19	Water	Stage 2B				X										X						
ARP	4401355741	I-N-20160119	440-135574-22		2016-01-19	Water	Stage 2B				X										X						
ARP	4401355741	I-E-20160119	440-135574-23		2016-01-19	Water	Stage 2B				X										X						
ARP	4401355741	I-V-20160119	440-135574-24		2016-01-19	Water	Stage 2B				X										X						
ARP	4401355741	I-I-20160119	440-135574-25		2016-01-19	Water	Stage 2B				X										X						
ARP	4401355741	I-Z-20160119	440-135574-26		2016-01-19	Water	Stage 2B				X										X						
ARP	4401355741	I-J-20160119	440-135574-27		2016-01-19	Water	Stage 2B				X										X						
ARP	4401355741	I-K-20160119	440-135574-28		2016-01-19	Water	Stage 2B				X										X						
ARP	4401355741	I-AC-20160119	440-135574-29		2016-01-19	Water	Stage 2B				X										X						
ARP	4401355741	I-C-20160119	440-135574-3		2016-01-19	Water	Stage 2B				X										X						
ARP	4401355741	I-AD-20160119	440-135574-30		2016-01-19	Water	Stage 2B				X										X						
ARP	4401355741	I-S-20160119	440-135574-4		2016-01-19	Water	Stage 2B				X										X						
ARP	4401355741	I-L-20160119	440-135574-5		2016-01-19	Water	Stage 2B				X										X						
ARP	4401355741	I-Y-20160119	440-135574-6		2016-01-19	Water	Stage 2B				X										X						
ARP	4401355741	I-R-20160119	440-135574-7		2016-01-19	Water	Stage 2B				X										X						
ARP	4401355741	I-B-20160119	440-135574-8		2016-01-19	Water	Stage 2B				X										X						
ARP	4401355741	I-AB-20160119	440-135574-9		2016-01-19	Water	Stage 2B				X										X						
ARP	4401357191	PC-18-20160120	440-135719-1		2016-01-20	Water	Stage 2B				X										X						
ARP	4401357191	ART-6-20160120	440-135719-2		2016-01-20	Water	Stage 2B				X										X						
ARP	4401357192	PC-18-20160120	440-135719-1		2016-01-20	Water	Stage 2B								X												
ARP	4401357192	ART-6-20160120	440-135719-2		2016-01-20	Water	Stage 2B								X												
ARP	4401374581	ART-1-20160205	440-137458-1		2016-02-05	Water	Stage 2B				X										X						
ARP	4401374581	PC-115R-20160205	440-137458-10		2016-02-05	Water	Stage 2B				X										X						
ARP	4401374581	PC-116R-20160205	440-137458-11		2016-02-05	Water	Stage 2B				X										X						
ARP	4401374581	PC-117-20160205	440-137458-12		2016-02-05	Water	Stage 2B				X										X						
ARP	4401374581	PC-118-20160205	440-137458-13		2016-02-05	Water	Stage 2B				X										X						
ARP	4401374581	PC-119-20160205	440-137458-14		2016-02-05	Water	Stage 2B				X										X						
ARP	4401374581	PC-120-20160205	440-137458-15		2016-02-05	Water	Stage 2B				X										X						
ARP	4401374581	PC-121-20160205	440-137458-16		2016-02-05	Water	Stage 2B				X										X						
ARP	4401374581	PC-133-20160205	440-137458-17		2016-02-05	Water	Stage 2B				X										X						

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Sampling Event	SDG	Client ID	Lab ID	QC Type	Sample Date	Matrix	Validation Level	VOC (8260B)	1,2,3-Trichloropropane & 1,4-Dioxane (SW8260BSIM)	Total Metals (200.7/200.8)	Chromium (200.7)	Dissolved Metals (200.7)	Dissolved Metals (200.7/200.8)	Dissolved Mercury (7470A)	CrVI (218.6)	Anions (300.0)	NO_3-N/NO_3-NO_3 (300.0) SSAL	NO_3-NO_2 as N (Calc)	TIN (Calc)	Chlorate (300.1B)	Perchlorate (314.0)	NH_3 as N (350.1)	TKN (351.2)	Phophorus (365.3)	Recoverable Phenolics (420.1)	HEM (1664A)	Alkalinity (2320B)
ARP	4401374581	PC-150-20160205	440-137458-18		2016-02-05	Water	Stage 2B				X										X					
ARP	4401374581	ART-2-20160205	440-137458-2		2016-02-05	Water	Stage 2B				X										X					
ARP	4401374581	ART-3A-20160205	440-137458-3		2016-02-05	Water	Stage 2B				X										X					
ARP	4401374581	ART-4-20160205	440-137458-4		2016-02-05	Water	Stage 2B				X										X					
ARP	4401374581	ART-6-20160205	440-137458-5		2016-02-05	Water	Stage 2B				X										X					
ARP	4401374581	ART-7A-20160205	440-137458-6		2016-02-05	Water	Stage 2B				X										X					
ARP	4401374581	ART-8A-20160205	440-137458-7		2016-02-05	Water	Stage 2B				X										X					
ARP	4401374581	ART-9-20160205	440-137458-8		2016-02-05	Water	Stage 2B				X										X					
ARP	4401374581	PC-99R2/R3-20160205	440-137458-9		2016-02-05	Water	Stage 2B				X										X					
ARP	4401374901	PC-99R2/R3-20160205	440-137490-1		2016-02-05	Water	Stage 2B								X											
ARP	4401374901	ART-6-20160205	440-137490-10		2016-02-05	Water	Stage 2B								X											
ARP	4401374901	ART-4-20160205	440-137490-11		2016-02-05	Water	Stage 2B								X											
ARP	4401374901	ART-3A-20160205	440-137490-12		2016-02-05	Water	Stage 2B								X											
ARP	4401374901	ART-8A-20160205	440-137490-13		2016-02-05	Water	Stage 2B								X											
ARP	4401374901	ART-2-20160205	440-137490-14		2016-02-05	Water	Stage 2B								X											
ARP	4401374901	ART-1-20160205	440-137490-15		2016-02-05	Water	Stage 2B								X											
ARP	4401374901	ART-7A-20160205	440-137490-16		2016-02-05	Water	Stage 2B								X											
ARP	4401374901	PC-150-20160205	440-137490-17		2016-02-05	Water	Stage 2B								X											
ARP	4401374901	ART-9-20160205	440-137490-18		2016-02-05	Water	Stage 2B								X											
ARP	4401374901	PC-115R-20160205	440-137490-2		2016-02-05	Water	Stage 2B								X											
ARP	4401374901	PC-116R-20160205	440-137490-3		2016-02-05	Water	Stage 2B								X											
ARP	4401374901	PC-118-20160205	440-137490-4		2016-02-05	Water	Stage 2B								X											
ARP	4401374901	PC-119-20160205	440-137490-5		2016-02-05	Water	Stage 2B								X											
ARP	4401374901	PC-120-20160205	440-137490-6		2016-02-05	Water	Stage 2B								X											
ARP	4401374901	PC-121-20160205	440-137490-7		2016-02-05	Water	Stage 2B								X											
ARP	4401374901	PC-117-20160205	440-137490-8		2016-02-05	Water	Stage 2B								X											
ARP	4401374901	PC-133-20160205	440-137490-9		2016-02-05	Water	Stage 2B								X											
SWF	4401375701	PC-62-20160208	440-137570-1		2016-02-08	Water	Stage 4						X	X		X				X	X			X			X
SWF	4401376631	PC-86-20160208	440-137663-1		2016-02-08	Water	Stage 2B						X	X		X				X	X			X			X
SWF	4401376631	PC-90-20160208	440-137663-2		2016-02-08	Water	Stage 2B						X	X		X				X	X			X			X
SWF	4401376631	PC-97-20160208	440-137663-3		2016-02-08	Water	Stage 2B						X	X		X				X	X			X			X
Q1S	4401376651	M-161D-20160209	440-137665-1		2016-02-09	Water	Stage 2B	X				X								X	X						
Q1S	4401376651	M-162D-20160209	440-137665-2		2016-02-09	Water	Stage 2B	X				X								X	X						
Q1S	4401376651	PC-157A-20160209	440-137665-3		2016-02-09	Water	Stage 2B	X				X								X	X						
Q1S	4401376651	PC-157B-20160209	440-137665-4		2016-02-09	Water	Stage 2B	X				X								X	X						
Q1S	4401376651	PC-155A-20160209	440-137665-5	FD1	2016-02-09	Water	Stage 2B	X				X								X	X						
Q1S	4401376651	PC-155A-20160209-FD	440-137665-6	FD1	2016-02-09	Water	Stage 2B	X				X								X	X						
Q1S	4401376651	PC-155B-20160209	440-137665-7		2016-02-09	Water	Stage 2B	X				X								X	X						
Q1S	4401376651	PC-157A-20160209-TB	440-137665-8	TB	2016-02-09	Water	Stage 2B	X																			
ARP	4401377141	I-M-20160209	440-137714-1		2016-02-09	Water	Stage 2B				X										X						

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Sampling Event	SDG	Client ID	Lab ID	QC Type	Sample Date	Matrix	Validation Level	VOC (8260B)	1,2,3-Trichloropropane & 1,4-Dioxane (SW8260BSIM)	Total Metals (200.7/200.8)	Chromium (200.7)	Dissolved Metals (200.7)	Dissolved Metals (200.7/200.8)	Dissolved Mercury (7470A)	CrVI (218.6)	Anions (300.0)	NO_3-N/NO_3-NO_3 (300.0) SSAL	NO_3-NO_2 as N (Calc)	TIN (Calc)	Chlorate (300.1B)	Perchlorate (314.0)	NH_3 as N (350.1)	TKN (351.2)	Phophorus (365.3)	Recoverable Phenolics (420.1)	HEM (1664A)	Alkalinity (2320B)
ARP	4401377141	I-AA-20160209	440-137714-10		2016-02-09	Water	Stage 2B				X										X						
ARP	4401377141	I-AR-20160209	440-137714-11		2016-02-09	Water	Stage 2B				X										X						
ARP	4401377141	DUP 1-20160209	440-137714-12		2016-02-09	Water	Stage 2B				X										X						
ARP	4401377141	I-O-20160209	440-137714-13		2016-02-09	Water	Stage 2B				X										X						
ARP	4401377141	I-W-20160209	440-137714-14		2016-02-09	Water	Stage 2B				X										X						
ARP	4401377141	I-P-20160209	440-137714-15		2016-02-09	Water	Stage 2B				X										X						
ARP	4401377141	I-H-20160209	440-137714-16		2016-02-09	Water	Stage 2B				X										X						
ARP	4401377141	I-U-20160209	440-137714-17		2016-02-09	Water	Stage 2B				X										X						
ARP	4401377141	I-T-20160209	440-137714-18		2016-02-09	Water	Stage 2B				X										X						
ARP	4401377141	I-G-20160209	440-137714-19		2016-02-09	Water	Stage 2B				X										X						
ARP	4401377141	I-D-20160209	440-137714-2		2016-02-09	Water	Stage 2B				X										X						
ARP	4401377141	I-Q-20160209	440-137714-20		2016-02-09	Water	Stage 2B				X										X						
ARP	4401377141	I-X-20160209	440-137714-21		2016-02-09	Water	Stage 2B				X										X						
ARP	4401377141	I-F-20160209	440-137714-22		2016-02-09	Water	Stage 2B				X										X						
ARP	4401377141	I-N-20160209	440-137714-23		2016-02-09	Water	Stage 2B				X										X						
ARP	4401377141	I-E-20160209	440-137714-24		2016-02-09	Water	Stage 2B				X										X						
ARP	4401377141	I-C-20160209	440-137714-3		2016-02-09	Water	Stage 2B				X										X						
ARP	4401377141	I-S-20160209	440-137714-4		2016-02-09	Water	Stage 2B				X										X						
ARP	4401377141	I-L-20160209	440-137714-5		2016-02-09	Water	Stage 2B				X										X						
ARP	4401377141	I-Y-20160209	440-137714-6		2016-02-09	Water	Stage 2B				X										X						
ARP	4401377141	I-R-20160209	440-137714-7		2016-02-09	Water	Stage 2B				X										X						
ARP	4401377141	I-B-20160209	440-137714-8		2016-02-09	Water	Stage 2B				X										X						
ARP	4401377141	I-AB-20160209	440-137714-9		2016-02-09	Water	Stage 2B				X										X						
ARP	4401378401	PC-86-20160210	440-137840-1		2016-02-10	Water	Stage 2B				X										X						
ARP	4401378401	PC-59-20160210	440-137840-10		2016-02-10	Water	Stage 2B				X										X						
ARP	4401378401	PC-62-20160210	440-137840-11		2016-02-10	Water	Stage 2B				X										X						
ARP	4401378401	PC-68-20160210	440-137840-12		2016-02-10	Water	Stage 2B				X										X						
ARP	4401378401	PC-94-20160210	440-137840-13		2016-02-10	Water	Stage 2B				X										X						
ARP	4401378401	I-V-20160210	440-137840-14		2016-02-10	Water	Stage 2B				X										X						
ARP	4401378401	I-I-20160210	440-137840-15		2016-02-10	Water	Stage 2B				X										X						
ARP	4401378401	I-Z-20160210	440-137840-16		2016-02-10	Water	Stage 2B				X										X						
ARP	4401378401	I-J-20160210	440-137840-17		2016-02-10	Water	Stage 2B				X										X						
ARP	4401378401	I-K-20160210	440-137840-18		2016-02-10	Water	Stage 2B				X										X						
ARP	4401378401	I-AC-20160210	440-137840-19		2016-02-10	Water	Stage 2B				X										X						
ARP	4401378401	PC-90-20160210	440-137840-2		2016-02-10	Water	Stage 2B				X										X						
ARP	4401378401	I-AD-20160210	440-137840-20		2016-02-10	Water	Stage 2B				X										X						
ARP	4401378401	MEB-1-20160210	440-137840-21	EB	2016-02-10	Water	Stage 2B														X						
ARP	4401378401	PC-91-20160210	440-137840-3		2016-02-10	Water	Stage 2B				X										X						
ARP	4401378401	PC-97-20160210	440-137840-4		2016-02-10	Water	Stage 2B				X										X						
ARP	4401378401	DUP-2-20160210	440-137840-5		2016-02-10	Water	Stage 2B				X										X						

Table I. Sample Cross Reference

Sampling Event	SDG	Client ID	Lab ID	QC Type	Sample Date	Matrix	Validation Level	VOC (8260B)	1,2,3-Trichloropropane & 1,4-Dioxane (SW8260BSIM)	Total Metals (200.7/200.8)	Chromium (200.7)	Dissolved Metals (200.7)	Dissolved Metals (200.7/200.8)	Dissolved Mercury (7470A)	CrVI (218.6)	Anions (300.0)	NO_3-N/NO_3-NO_3 (300.0) SSAL	NO_3-NO_2 as N (Calc)	TIN (Calc)	Chlorate (300.1B)	Perchlorate (314.0)	NH_3 as N (350.1)	TKN (351.2)	Phophorus (365.3)	Recoverable Phenolics (420.1)	HEM (1664A)	Alkalinity (2320B)
ARP	4401378401	M-83-20160210	440-137840-6		2016-02-10	Water	Stage 2B				X										X					
ARP	4401378401	PC-58-20160210	440-137840-7		2016-02-10	Water	Stage 2B				X										X					
ARP	4401378401	PC-56-20160210	440-137840-8		2016-02-10	Water	Stage 2B				X										X					
ARP	4401378401	PC-60-20160210	440-137840-9		2016-02-10	Water	Stage 2B				X										X					
ARP	4401378402	I-V-20160210	440-137840-14		2016-02-10	Water	Stage 2B								X											
ARP	4401378402	I-I-20160210	440-137840-15		2016-02-10	Water	Stage 2B								X											
ARP	4401378402	I-Z-20160210	440-137840-16		2016-02-10	Water	Stage 2B								X											
ARP	4401378402	I-J-20160210	440-137840-17		2016-02-10	Water	Stage 2B								X											
ARP	4401378402	I-K-20160210	440-137840-18		2016-02-10	Water	Stage 2B								X											
ARP	4401378402	I-AC-20160210	440-137840-19		2016-02-10	Water	Stage 2B								X											
ARP	4401378402	I-AD-20160210	440-137840-20		2016-02-10	Water	Stage 2B								X											
Q1S	4401379771	M-186D-20160210-TB	440-137977-1	TB	2016-02-10	Water	Stage 2B	X																		
Q1S	4401379771	M-186D-20160210	440-137977-2		2016-02-10	Water	Stage 4	X				X								X	X					
Q1S	4401379771	M-186-20160210	440-137977-3	FD2	2016-02-10	Water	Stage 4	X				X								X	X					
Q1S	4401379771	M-186-20160210-FD	440-137977-4	FD2	2016-02-10	Water	Stage 4	X				X								X	X					
Q1S	4401379771	M-148A-20160210-FB	440-137977-5	FB	2016-02-10	Water	Stage 2B	X																		
Q1S	4401379771	M-148A-20160210-FB	440-137977-5	FB	2016-02-10	Water	Stage 4					X								X	X					
Q1S	4401379771	M-148A-20160210	440-137977-6		2016-02-10	Water	Stage 4	X				X								X	X					
Q1S	4401379771	M-145-20160210	440-137977-7		2016-02-10	Water	Stage 4	X				X								X	X					
Q1S	4401379771	M-189-20160210	440-137977-8		2016-02-10	Water	Stage 4	X				X								X	X					
Q1S	4401380091	PC-156B-20160210-TB	440-138009-1	TB	2016-02-10	Water	Stage 2B	X																		
Q1S	4401380091	PC-156B-20160210	440-138009-2		2016-02-10	Water	Stage 2B	X				X								X	X					
Q1S	4401380091	PC-156A-20160210	440-138009-3		2016-02-10	Water	Stage 2B	X				X								X	X					
Q1S	4401380091	PC-154-20160210	440-138009-4	FD3	2016-02-10	Water	Stage 2B	X				X								X	X					
Q1S	4401380091	PC-154-20160210-FD	440-138009-5	FD3	2016-02-10	Water	Stage 2B	X				X								X	X					
Q1S	4401380091	PC-159-20160210	440-138009-6		2016-02-10	Water	Stage 2B	X				X								X	X					
Q1S	4401380091	PC-158-20160210	440-138009-7		2016-02-10	Water	Stage 2B	X				X								X	X					
Q1S	4401380091	PC-160-20160210	440-138009-8		2016-02-10	Water	Stage 2B	X				X								X	X					
ARP	4401381061	PC-122-20160211	440-138106-1		2016-02-11	Water	Stage 4				X										X					
ARP	4401381061	PC-101R-20160211	440-138106-10		2016-02-11	Water	Stage 4				X										X					
ARP	4401381061	ARP-3A-20160211	440-138106-11		2016-02-11	Water	Stage 4				X										X					
ARP	4401381061	ARP-2A-20160211	440-138106-12		2016-02-11	Water	Stage 4				X										X					
ARP	4401381061	PC-98R-20160211	440-138106-13		2016-02-11	Water	Stage 4				X										X					
ARP	4401381061	DUP-3-20160211	440-138106-14		2016-02-11	Water	Stage 4				X										X					
ARP	4401381061	PC-53-20160211	440-138106-2		2016-02-11	Water	Stage 4				X										X					
ARP	4401381061	MW-K5-20160211	440-138106-3		2016-02-11	Water	Stage 4				X										X					
ARP	4401381061	ARP-7-20160211	440-138106-4		2016-02-11	Water	Stage 4				X										X					
ARP	4401381061	ARP-6B-20160211	440-138106-5		2016-02-11	Water	Stage 4				X										X					
ARP	4401381061	ARP-5A-20160211	440-138106-6		2016-02-11	Water	Stage 4				X										X					
ARP	4401381061	ARP-4A-20160211	440-138106-7		2016-02-11	Water	Stage 4				X										X					

Table I. Sample Cross Reference

Sampling Event	SDG	Client ID	Lab ID	QC Type	Sample Date	Matrix	Validation Level	VOC (8260B)	1,2,3-Trichloropropane & 1,4-Dioxane (SW8260BSIM)	Total Metals (200.7/200.8)	Chromium (200.7)	Dissolved Metals (200.7)	Dissolved Metals (200.7/200.8)	Dissolved Mercury (7470A)	CrVI (218.6)	Anions (300.0)	NO_3-N/NO_3-NO_3 (300.0) SSAL	NO_3-NO_2 as N (Calc)	TIN (Calc)	Chlorate (300.1B)	Perchlorate (314.0)	NH_3 as N (350.1)	TKN (351.2)	Phophorus (365.3)	Recoverable Phenolics (420.1)	HEM (1664A)	Alkalinity (2320B)
ARP	4401381061	MW-K4-20160211	440-138106-8		2016-02-11	Water	Stage 4				X										X					
ARP	4401381061	PC-144-20160211	440-138106-9		2016-02-11	Water	Stage 4				X										X					
Q1S	4401381071	M-190-20160211-TB	440-138107-1	TB	2016-02-11	Water	Stage 2B	X																		
Q1S	4401381071	PC-137D-20160211-TB	440-138107-10	TB	2016-02-11	Water	Stage 2B	X																		
Q1S	4401381071	PC-137D-20160211	440-138107-11		2016-02-11	Water	Stage 2B	X								X				X	X					
Q1S	4401381071	PC-137D-20160211	440-138107-11		2016-02-11	Water	Stage 4						X	X		X								X		X
Q1S	4401381071	PC-134D-20160211	440-138107-12		2016-02-11	Water	Stage 2B	X					X	X		X				X	X			X		X
Q1S	4401381071	PC-153-20160211-FB	440-138107-13	FB	2016-02-11	Water	Stage 2B	X				X								X	X					
Q1S	4401381071	PC-153-20160211	440-138107-14		2016-02-11	Water	Stage 2B	X				X								X	X					
Q1S	4401381071	PC-153-20160211-EB	440-138107-15	EB	2016-02-11	Water	Stage 2B	X				X								X	X					
Q1S	4401381071	PC-152-20160211	440-138107-16		2016-02-11	Water	Stage 2B	X				X								X	X					
Q1S	4401381071	PC-151-20160211	440-138107-17	FD4	2016-02-11	Water	Stage 2B	X				X								X	X					
Q1S	4401381071	PC-151-20160211-FD	440-138107-18	FD4	2016-02-11	Water	Stage 2B	X				X								X	X					
Q1S	4401381071	M-190-20160211	440-138107-2		2016-02-11	Water	Stage 2B	X				X								X	X					
Q1S	4401381071	M-192-20160211	440-138107-3		2016-02-11	Water	Stage 2B	X				X								X	X					
Q1S	4401381071	M-190-20160211-EB	440-138107-4	EB	2016-02-11	Water	Stage 2B	X				X								X	X					
Q1S	4401381071	M-191-20160211	440-138107-5		2016-02-11	Water	Stage 2B	X				X								X	X					
Q1S	4401381071	M-193-20160211	440-138107-6		2016-02-11	Water	Stage 2B	X				X								X	X					
SWF	4401381071	PC-91-20160211	440-138107-7	FD5	2016-02-11	Water	Stage 2B						X	X		X				X	X			X		X
SWF	4401381071	PC-91-20160211-FD	440-138107-8	FD5	2016-02-11	Water	Stage 2B						X	X		X				X	X			X		X
SWF	4401381071	PC-91-20160211-EB	440-138107-9	EB	2016-02-11	Water	Stage 2B					X								X	X					
SWF	4401381111	PC-115R-20160212	440-138111-1		2016-02-12	Water	Stage 2B						X	X		X				X	X			X		X
SWF	4401381111	PC-133-20160212	440-138111-10		2016-02-12	Water	Stage 2B						X	X		X				X	X			X		X
SWF	4401381111	PC-99R3-20160212	440-138111-11		2016-02-12	Water	Stage 2B						X	X		X				X	X			X		X
SWF	4401381111	PC-116R-20160212	440-138111-2		2016-02-12	Water	Stage 2B						X	X		X				X	X			X		X
SWF	4401381111	PC-118-20160212	440-138111-3		2016-02-12	Water	Stage 2B						X	X		X				X	X			X		X
SWF	4401381111	PC-119-20160212	440-138111-4		2016-02-12	Water	Stage 2B						X	X		X				X	X			X		X
SWF	4401381111	PC-120-20160212	440-138111-5	FD6	2016-02-12	Water	Stage 2B						X	X		X				X	X			X		X
SWF	4401381111	PC-120-20160212-FD	440-138111-6	FD6	2016-02-12	Water	Stage 2B						X	X		X				X	X			X		X
SWF	4401381111	PC-121-20160212	440-138111-7		2016-02-12	Water	Stage 2B						X	X		X				X	X			X		X
SWF	4401381111	PC-117-20160212	440-138111-8		2016-02-12	Water	Stage 2B						X	X		X				X	X			X		X
SWF	4401381111	PC-133-20160212-FB	440-138111-9	FB	2016-02-12	Water	Stage 2B					X								X	X					
ARP	4401381131	PC-103-20160212	440-138113-1		2016-02-12	Water	Stage 2B				X										X					
ARP	4401381131	PC-148-20160212	440-138113-2		2016-02-12	Water	Stage 2B				X										X					
ARP	4401381131	PC-149-20160212	440-138113-3		2016-02-12	Water	Stage 2B				X										X					
ARP	4401381131	PC-18-20160212	440-138113-4		2016-02-12	Water	Stage 2B				X										X					
ARP	4401381131	EB-2-20160212	440-138113-5	EB	2016-02-12	Water	Stage 2B				X										X					
ARP	4401381131	PC-55-20160212	440-138113-6		2016-02-12	Water	Stage 2B				X										X					
ARP	4401381131	ARP-1-20160212	440-138113-7		2016-02-12	Water	Stage 2B				X										X					
ARP	4401381132	EB-2-20160212	440-138113-5	EB	2016-02-12	Water	Stage 2B								X											

Table I. Sample Cross Reference

Sampling Event	SDG	Client ID	Lab ID	QC Type	Sample Date	Matrix	Validation Level	VOC (8260B)	1,2,3-Trichloropropane & 1,4-Dioxane (SW8260BSIM)	Total Metals (200.7/200.8)	Chromium (200.7)	Dissolved Metals (200.7)	Dissolved Metals (200.7/200.8)	Dissolved Mercury (7470A)	CrVI (218.6)	Anions (300.0)	NO_3-N/NO_3-NO_3 (300.0) SSAL	NO_3-NO_2 as N (Calc)	TIN (Calc)	Chlorate (300.1B)	Perchlorate (314.0)	NH_3 as N (350.1)	TKN (351.2)	Phophorus (365.3)	Recoverable Phenolics (420.1)	HEM (1664A)	Alkalinity (2320B)
ARP	4401381781	DUP 4-20160215	440-138178-1		2016-02-15	Water	Stage 2B								X											
ARP	4401381781	M-95-20160215	440-138178-2		2016-02-15	Water	Stage 2B								X											
ARP	4401381781	DUP 5-20160215	440-138178-3		2016-02-15	Water	Stage 2B								X											
ARP	4401381781	M-44-20160215	440-138178-4		2016-02-15	Water	Stage 2B								X											
ARP	4401381781	M-48A-20160215	440-138178-5		2016-02-15	Water	Stage 2B								X											
ARP	4401381891	PC-54-20160215	440-138189-1		2016-02-15	Water	Stage 2B				X										X					
ARP	4401381891	PC-37-20160215	440-138189-10		2016-02-15	Water	Stage 2B				X										X					
ARP	4401381891	EB-3-20160215	440-138189-11	EB	2016-02-15	Water	Stage 2B				X										X					
ARP	4401381891	M-95-20160215	440-138189-2		2016-02-15	Water	Stage 2B				X										X					
ARP	4401381891	M-48A-20160215	440-138189-3		2016-02-15	Water	Stage 2B				X										X					
ARP	4401381891	M-44-20160215	440-138189-4		2016-02-15	Water	Stage 2B				X										X					
ARP	4401381891	DUP 5-20160215	440-138189-5		2016-02-15	Water	Stage 2B				X										X					
ARP	4401381891	DUP 4-20160215	440-138189-6		2016-02-15	Water	Stage 2B				X										X					
ARP	4401381891	PC-71-20160215	440-138189-7		2016-02-15	Water	Stage 2B				X										X					
ARP	4401381891	PC-72-20160215	440-138189-8		2016-02-15	Water	Stage 2B				X										X					
ARP	4401381891	PC-73-20160215	440-138189-9		2016-02-15	Water	Stage 2B				X										X					
ARP	4401383721	PC-123-20160216	440-138372-1		2016-02-16	Water	Stage 2B				X										X					
ARP	4401383721	PC-125-20160216	440-138372-10		2016-02-16	Water	Stage 2B				X										X					
ARP	4401383721	PC-126-20160216	440-138372-11		2016-02-16	Water	Stage 2B				X										X					
ARP	4401383721	M-23-20160216	440-138372-12		2016-02-16	Water	Stage 2B				X										X					
ARP	4401383721	M-65-20160216	440-138372-13		2016-02-16	Water	Stage 2B				X										X					
ARP	4401383721	M-66-20160216	440-138372-14		2016-02-16	Water	Stage 2B				X										X					
ARP	4401383721	M-70-20160216	440-138372-15		2016-02-16	Water	Stage 2B				X										X					
ARP	4401383721	M-71-20160216	440-138372-16		2016-02-16	Water	Stage 2B				X										X					
ARP	4401383721	M-72-20160216	440-138372-17		2016-02-16	Water	Stage 2B				X										X					
ARP	4401383721	M-79-20160216	440-138372-18		2016-02-16	Water	Stage 2B				X										X					
ARP	4401383721	M-37-20160216	440-138372-19		2016-02-16	Water	Stage 2B				X										X					
ARP	4401383721	PC-127-20160216	440-138372-2		2016-02-16	Water	Stage 2B				X										X					
ARP	4401383721	M-25-20160216	440-138372-20		2016-02-16	Water	Stage 2B				X										X					
ARP	4401383721	DUP-6-20160216	440-138372-21		2016-02-16	Water	Stage 2B				X										X					
ARP	4401383721	PC-128-20160216	440-138372-3		2016-02-16	Water	Stage 2B				X										X					
ARP	4401383721	PC-129-20160216	440-138372-4		2016-02-16	Water	Stage 2B				X										X					
ARP	4401383721	PC-130-20160216	440-138372-5		2016-02-16	Water	Stage 2B				X										X					
ARP	4401383721	PC-131-20160216	440-138372-6		2016-02-16	Water	Stage 2B				X										X					
ARP	4401383721	EB-4-20160216	440-138372-7	EB	2016-02-16	Water	Stage 2B				X										X					
ARP	4401383721	PC-132-20160216	440-138372-8		2016-02-16	Water	Stage 2B				X										X					
ARP	4401383721	PC-124-20160216	440-138372-9		2016-02-16	Water	Stage 2B				X										X					
ARP	4401383771	M-37-20160216	440-138377-1		2016-02-16	Water	Stage 2B								X											
SNWA	4401384611	WMW6.55S-20160217	440-138461-1		2016-02-17	Water	Stage 2B					X			X	X				X	X		X	X		X	
SNWA	4401384611	WMW6.15S-20160217	440-138461-2		2016-02-17	Water	Stage 4					X			X	X				X	X		X	X		X	

Table I. Sample Cross Reference

Sampling Event	SDG	Client ID	Lab ID	QC Type	Sample Date	Matrix	Validation Level	VOC (8260B)	1,2,3-Trichloropropane & 1,4-Dioxane (SW8260BSIM)	Total Metals (200.7/200.8)	Chromium (200.7)	Dissolved Metals (200.7)	Dissolved Metals (200.7/200.8)	Dissolved Mercury (7470A)	CrVI (218.6)	Anions (300.0)	NO_3-N/NO_3-NO_3 (300.0) SSAL	NO_3-NO_2 as N (Calc)	TIN (Calc)	Chlorate (300.1B)	Perchlorate (314.0)	NH_3 as N (350.1)	TKN (351.2)	Phophorus (365.3)	Recoverable Phenolics (420.1)	HEM (1664A)	Alkalinity (2320B)
SNWA	4401384611	WMW5.58SI-20160217	440-138461-3		2016-02-17	Water	Stage 2B					X			X	X				X	X		X	X		X	
ARP	4401385201	M-10-20160217	440-138520-1		2016-02-17	Water	Stage 2B														X						
ARP	4401385201	DUP-7-20160217	440-138520-10		2016-02-17	Water	Stage 2B				X				X						X						
ARP	4401385201	M-69-20160217	440-138520-11		2016-02-17	Water	Stage 2B				X										X						
ARP	4401385201	EB-5-20160217	440-138520-12	EB	2016-02-17	Water	Stage 2B				X										X						
ARP	4401385201	M-135-20160217	440-138520-13		2016-02-17	Water	Stage 2B				X										X						
ARP	4401385201	M-99-20160217	440-138520-14		2016-02-17	Water	Stage 2B				X										X						
ARP	4401385201	M-11-20160217	440-138520-15		2016-02-17	Water	Stage 2B				X										X						
ARP	4401385201	PC-135A-20160217	440-138520-2		2016-02-17	Water	Stage 2B				X										X						
ARP	4401385201	PC-136-20160217	440-138520-3		2016-02-17	Water	Stage 2B				X										X						
ARP	4401385201	M-14A-20160217	440-138520-4		2016-02-17	Water	Stage 2B				X										X						
ARP	4401385201	M-57A-20160217	440-138520-5		2016-02-17	Water	Stage 2B				X										X						
ARP	4401385201	M-131-20160217	440-138520-6		2016-02-17	Water	Stage 2B				X										X						
ARP	4401385201	M-64-20160217	440-138520-7		2016-02-17	Water	Stage 2B				X										X						
ARP	4401385201	M-22A-20160217	440-138520-8		2016-02-17	Water	Stage 2B				X										X						
ARP	4401385201	M-38-20160217	440-138520-9		2016-02-17	Water	Stage 2B				X				X						X						
ARP	4401385341	M-10-20160217	440-138534-1		2016-02-17	Water	Stage 2B			X	X				X	X		X	X	X		X					
SWF	4401385841	BP-01-20160217	440-138584-1		2016-02-17	Water	Stage 2B									X											
SWF	4401385841	BP-01-20160217	440-138584-1		2016-02-17	Water	Stage 4						X	X		X				X	X			X			X
SWF	4401385841	BP-02-20160217	440-138584-2		2016-02-17	Water	Stage 2B									X											
SWF	4401385841	BP-02-20160217	440-138584-2		2016-02-17	Water	Stage 4						X	X		X				X	X			X			X
SWF	4401385841	BP-03-20160217	440-138584-3		2016-02-17	Water	Stage 2B									X											
SWF	4401385841	BP-03-20160217	440-138584-3		2016-02-17	Water	Stage 4						X	X		X				X	X			X			X
SWF	4401385841	BP-04-20160217	440-138584-4		2016-02-17	Water	Stage 2B									X											
SWF	4401385841	BP-04-20160217	440-138584-4		2016-02-17	Water	Stage 4						X	X		X				X	X			X			X
ARP	4401386401	M-12A-20160218	440-138640-1		2016-02-18	Water	Stage 2B				X										X						
ARP	4401386401	M-31A-20160218	440-138640-2		2016-02-18	Water	Stage 2B				X										X						
ARP	4401386401	M-52-20160218	440-138640-3		2016-02-18	Water	Stage 2B				X										X						
ARP	4401386401	M-35-20160218	440-138640-4		2016-02-18	Water	Stage 2B				X										X						
ARP	4401386401	M-19-20160218	440-138640-5		2016-02-18	Water	Stage 2B				X										X						
ARP	4401386401	EB-6-20160218	440-138640-6	EB	2016-02-18	Water	Stage 2B				X										X						
ARP	4401386401	M-68-20160218	440-138640-7		2016-02-18	Water	Stage 2B				X										X						
ARP	4401386401	DUP-8-20160218	440-138640-8		2016-02-18	Water	Stage 2B				X										X						
ARP	4401386401	M-74-20160218	440-138640-9		2016-02-18	Water	Stage 2B				X										X						
ARP	4401386871	M-12A-20160218	440-138687-1		2016-02-18	Water	Stage 2B								X												
SWF	4401387051	BP-05-20160218	440-138705-1		2016-02-18	Water	Stage 2B						X	X		X	X			X	X			X			X
SWF	4401387051	LVW-08-20160218	440-138705-10		2016-02-18	Water	Stage 2B						X	X		X	X			X	X			X			X
SWF	4401387051	BP-08-20160218-FB	440-138705-11	FB	2016-02-18	Water	Stage 2B					X								X	X						
SWF	4401387051	BP-09-20160218	440-138705-2		2016-02-18	Water	Stage 2B						X	X		X	X			X	X			X			X
SWF	4401387051	BP-06-20160218	440-138705-3		2016-02-18	Water	Stage 2B						X	X		X	X			X	X			X			X

Table I. Sample Cross Reference

Sampling Event	SDG	Client ID	Lab ID	QC Type	Sample Date	Matrix	Validation Level	VOC (8260B)	1,2,3-Trichloropropane & 1,4-Dioxane (SW8260BSIM)	Total Metals (200.7/200.8)	Chromium (200.7)	Dissolved Metals (200.7)	Dissolved Metals (200.7/200.8)	Dissolved Mercury (7470A)	CrVI (218.6)	Anions (300.0)	NO_3-N/NO_3-NO_3 (300.0) SSAL	NO_3-NO_2 as N (Calc)	TIN (Calc)	Chlorate (300.1B)	Perchlorate (314.0)	NH_3 as N (350.1)	TKN (351.2)	Phophorus (365.3)	Recoverable Phenolics (420.1)	HEM (1664A)	Alkalinity (2320B)
SWF	4401387051	BP-07-20160218	440-138705-4		2016-02-18	Water	Stage 2B						X	X		X	X			X	X			X			X
SWF	4401387051	BP-08-20160218	440-138705-5		2016-02-18	Water	Stage 2B						X	X		X	X			X	X			X			X
SWF	4401387051	BP-08A-20160218	440-138705-6	FD7	2016-02-18	Water	Stage 2B						X	X		X	X			X	X			X			X
SWF	4401387051	BP-08A-20160218-FD	440-138705-7	FD7	2016-02-18	Water	Stage 2B						X	X		X	X			X	X			X			X
SWF	4401387051	LVW-10-20160218	440-138705-8		2016-02-18	Water	Stage 2B						X	X		X	X			X	X			X			X
SWF	4401387051	LVW-09-20160218	440-138705-9		2016-02-18	Water	Stage 2B						X	X		X	X			X	X			X			X
SWF	4401387801	LVW-01-20160219	440-138780-1		2016-02-19	Water	Stage 2B						X	X		X				X	X			X			X
SWF	4401387801	LVW-02-20160219	440-138780-2		2016-02-19	Water	Stage 2B						X	X		X				X	X			X			X
SWF	4401387801	LVW-03-20160219	440-138780-3	FD8	2016-02-19	Water	Stage 2B						X	X		X				X	X			X			X
SWF	4401387801	LVW-03-20160219-FD	440-138780-4	FD8	2016-02-19	Water	Stage 2B						X	X		X				X	X			X			X
SWF	4401387801	LVW-04-20160219	440-138780-5		2016-02-19	Water	Stage 2B						X	X		X				X	X			X			X
SWF	4401387801	LVW-05-20160219	440-138780-6		2016-02-19	Water	Stage 2B						X	X		X				X	X			X			X
SWF	4401387801	LVW-06-20160219	440-138780-7		2016-02-19	Water	Stage 2B						X	X		X				X	X			X			X
SWF	4401387801	LVW-07-20160219	440-138780-8		2016-02-19	Water	Stage 2B						X	X		X				X	X			X			X
ARP	4401387891	M-80-20160219	440-138789-1		2016-02-19	Water	Stage 2B				X										X						
ARP	4401387891	DUP-9-20160219	440-138789-2		2016-02-19	Water	Stage 2B				X										X						
ARP	4401387891	M-81A-20160219	440-138789-3		2016-02-19	Water	Stage 2B				X										X						
ARP	4401387891	M-67-20160219	440-138789-4		2016-02-19	Water	Stage 2B				X										X						
ARP	4401387891	M-73-20160219	440-138789-5		2016-02-19	Water	Stage 2B				X										X						
ARP	4401388081	I-O-20160209	440-138808-1		2016-02-09	Water	Stage 2B								X												
ARP	4401388081	I-F-20160209	440-138808-10		2016-02-09	Water	Stage 2B								X												
ARP	4401388081	I-N-20160209	440-138808-11		2016-02-09	Water	Stage 2B								X												
ARP	4401388081	I-E-20160209	440-138808-12		2016-02-09	Water	Stage 2B								X												
ARP	4401388081	I-M-20160209	440-138808-13		2016-02-09	Water	Stage 2B								X												
ARP	4401388081	I-D-20160209	440-138808-14		2016-02-09	Water	Stage 2B								X												
ARP	4401388081	I-C-20160209	440-138808-15		2016-02-09	Water	Stage 2B								X												
ARP	4401388081	I-S-20160209	440-138808-16		2016-02-09	Water	Stage 2B								X												
ARP	4401388081	I-L-20160209	440-138808-17		2016-02-09	Water	Stage 2B								X												
ARP	4401388081	I-Y-20160209	440-138808-18		2016-02-09	Water	Stage 2B								X												
ARP	4401388081	I-R-20160209	440-138808-19		2016-02-09	Water	Stage 2B								X												
ARP	4401388081	I-W-20160209	440-138808-2		2016-02-09	Water	Stage 2B								X												
ARP	4401388081	I-B-20160209	440-138808-20		2016-02-09	Water	Stage 2B								X												
ARP	4401388081	I-AB-20160209	440-138808-21		2016-02-09	Water	Stage 2B								X												
ARP	4401388081	I-AA-20160209	440-138808-22		2016-02-09	Water	Stage 2B								X												
ARP	4401388081	I-AR-20160209	440-138808-23		2016-02-09	Water	Stage 2B								X												
ARP	4401388081	DUP 1-20160209	440-138808-24		2016-02-09	Water	Stage 2B								X												
ARP	4401388081	I-P-20160209	440-138808-3		2016-02-09	Water	Stage 2B								X												
ARP	4401388081	I-H-20160209	440-138808-4		2016-02-09	Water	Stage 2B								X												
ARP	4401388081	I-U-20160209	440-138808-5		2016-02-09	Water	Stage 2B								X												
ARP	4401388081	I-T-20160209	440-138808-6		2016-02-09	Water	Stage 2B								X												

Table I. Sample Cross Reference

Sampling Event	SDG	Client ID	Lab ID	QC Type	Sample Date	Matrix	Validation Level	VOC (8260B)	1,2,3-Trichloropropane & 1,4-Dioxane (SW8260BSIM)	Total Metals (200.7/200.8)	Chromium (200.7)	Dissolved Metals (200.7)	Dissolved Metals (200.7/200.8)	Dissolved Mercury (7470A)	CrVI (218.6)	Anions (300.0)	NO_3-N/NO_3-NO_3 (300.0) SSAL	NO_3-NO_2 as N (Calc)	TIN (Calc)	Chlorate (300.1B)	Perchlorate (314.0)	NH_3 as N (350.1)	TKN (351.2)	Phophorus (365.3)	Recoverable Phenolics (420.1)	HEM (1664A)	Alkalinity (2320B)
ARP	4401388081	I-G-20160209	440-138808-7		2016-02-09	Water	Stage 2B								X											
ARP	4401388081	I-Q-20160209	440-138808-8		2016-02-09	Water	Stage 2B								X											
ARP	4401388081	I-X-20160209	440-138808-9		2016-02-09	Water	Stage 2B								X											
ARP	4401388151	M-80-20160219	440-138815-1		2016-02-19	Water	Stage 2B								X											
ARP	4401388151	DUP-9-20160219	440-138815-2		2016-02-19	Water	Stage 2B								X											
ARP	4401402231	ART-4-20160307	440-140223-1		2016-03-07	Water	Stage 2B								X											
ARP	4401402231	PC-115R-20160307	440-140223-10		2016-03-07	Water	Stage 2B								X											
ARP	4401402231	PC-116R-20160307	440-140223-11		2016-03-07	Water	Stage 2B								X											
ARP	4401402231	PC-117-20160307	440-140223-12		2016-03-07	Water	Stage 2B								X											
ARP	4401402231	PC-118-20160307	440-140223-13		2016-03-07	Water	Stage 2B								X											
ARP	4401402231	PC-119-20160307	440-140223-14		2016-03-07	Water	Stage 2B								X											
ARP	4401402231	PC-120-20160307	440-140223-15		2016-03-07	Water	Stage 2B								X											
ARP	4401402231	PC-121-20160307	440-140223-16		2016-03-07	Water	Stage 2B								X											
ARP	4401402231	PC-133-20160307	440-140223-17		2016-03-07	Water	Stage 2B								X											
ARP	4401402231	ART-3A-20160307	440-140223-2		2016-03-07	Water	Stage 2B								X											
ARP	4401402231	ART-8A-20160307	440-140223-3		2016-03-07	Water	Stage 2B								X											
ARP	4401402231	ART-2-20160307	440-140223-4		2016-03-07	Water	Stage 2B								X											
ARP	4401402231	ART-1-20160307	440-140223-5		2016-03-07	Water	Stage 2B								X											
ARP	4401402231	ART-7A-20160307	440-140223-6		2016-03-07	Water	Stage 2B								X											
ARP	4401402231	ART-9-20160307	440-140223-7		2016-03-07	Water	Stage 2B								X											
ARP	4401402231	PC-150-20160307	440-140223-8		2016-03-07	Water	Stage 2B								X											
ARP	4401402231	PC-99R2/R3-20160307	440-140223-9		2016-03-07	Water	Stage 2B								X											
ARP	4401403401	ART-4-20160307	440-140340-1		2016-03-07	Water	Stage 2B				X										X					
ARP	4401403401	PC-115R-20160307	440-140340-10		2016-03-07	Water	Stage 2B				X										X					
ARP	4401403401	PC-116R-20160307	440-140340-11		2016-03-07	Water	Stage 2B				X										X					
ARP	4401403401	PC-117-20160307	440-140340-12		2016-03-07	Water	Stage 2B				X										X					
ARP	4401403401	PC-118-20160307	440-140340-13		2016-03-07	Water	Stage 2B				X										X					
ARP	4401403401	PC-119-20160307	440-140340-14		2016-03-07	Water	Stage 2B				X										X					
ARP	4401403401	PC-120-20160307	440-140340-15		2016-03-07	Water	Stage 2B				X										X					
ARP	4401403401	PC-121-20160307	440-140340-16		2016-03-07	Water	Stage 2B				X										X					
ARP	4401403401	PC-133-20160307	440-140340-17		2016-03-07	Water	Stage 2B				X										X					
ARP	4401403401	ART-3A-20160307	440-140340-2		2016-03-07	Water	Stage 2B				X										X					
ARP	4401403401	ART-8A-20160307	440-140340-3		2016-03-07	Water	Stage 2B				X										X					
ARP	4401403401	ART-2-20160307	440-140340-4		2016-03-07	Water	Stage 2B				X										X					
ARP	4401403401	ART-1-20160307	440-140340-5		2016-03-07	Water	Stage 2B				X										X					
ARP	4401403401	ART-7A-20160307	440-140340-6		2016-03-07	Water	Stage 2B				X										X					
ARP	4401403401	ART-9-20160307	440-140340-7		2016-03-07	Water	Stage 2B				X										X					
ARP	4401403401	PC-150-20160307	440-140340-8		2016-03-07	Water	Stage 2B				X										X					
ARP	4401403401	PC-99R2/R3-20160307	440-140340-9		2016-03-07	Water	Stage 2B				X										X					
ARP	4401408431	ART-6-20160310	440-140843-1		2016-03-10	Water	Stage 2B								X											

Table I. Sample Cross Reference

Sampling Event	SDG	Client ID	Lab ID	QC Type	Sample Date	Matrix	Validation Level	VOC (8260B)	1,2,3-Trichloropropane & 1,4-Dioxane (SW8260BSIM)	Total Metals (200.7/200.8)	Chromium (200.7)	Dissolved Metals (200.7)	Dissolved Metals (200.7/200.8)	Dissolved Mercury (7470A)	CrVI (218.6)	Anions (300.0)	NO_3-N/NO_3-NO_3 (300.0) SSAL	NO_3-NO_2 as N (Calc)	TIN (Calc)	Chlorate (300.1B)	Perchlorate (314.0)	NH_3 as N (350.1)	TKN (351.2)	Phophorus (365.3)	Recoverable Phenolics (420.1)	HEM (1664A)	Alkalinity (2320B)
ARP	4401409371	PC-18-20160310	440-140937-1		2016-03-10	Water	Stage 2B														X						
ARP	4401409371	MW-K5-20160310	440-140937-10		2016-03-10	Water	Stage 2B														X						
ARP	4401409371	ARP-7-20160310	440-140937-11		2016-03-10	Water	Stage 2B														X						
ARP	4401409371	ARP-6B-20160310	440-140937-12		2016-03-10	Water	Stage 2B														X						
ARP	4401409371	ARP-5A-20160310	440-140937-13		2016-03-10	Water	Stage 2B														X						
ARP	4401409371	ARP-4A-20160310	440-140937-14		2016-03-10	Water	Stage 2B														X						
ARP	4401409371	MW-K4-20160310	440-140937-15		2016-03-10	Water	Stage 2B														X						
ARP	4401409371	PC-101R-20160310	440-140937-16		2016-03-10	Water	Stage 2B														X						
ARP	4401409371	PC-122-20160310	440-140937-17		2016-03-10	Water	Stage 2B														X						
ARP	4401409371	M-83-20160310	440-140937-18		2016-03-10	Water	Stage 2B														X						
ARP	4401409371	PC-55-20160310	440-140937-2		2016-03-10	Water	Stage 2B														X						
ARP	4401409371	ARP-1-20160310	440-140937-3		2016-03-10	Water	Stage 2B														X						
ARP	4401409371	PC-98R-20160310	440-140937-4		2016-03-10	Water	Stage 2B														X						
ARP	4401409371	PC-103-20160310	440-140937-5		2016-03-10	Water	Stage 2B														X						
ARP	4401409371	ARP-2A-20160310	440-140937-6		2016-03-10	Water	Stage 2B														X						
ARP	4401409371	MEB-1-20160310	440-140937-7	EB	2016-03-10	Water	Stage 2B														X						
ARP	4401409371	ARP-3A-20160310	440-140937-8		2016-03-10	Water	Stage 2B														X						
ARP	4401409371	PC-53-20160310	440-140937-9		2016-03-10	Water	Stage 2B														X						
ARP	4401409431	ART-6-20160310	440-140943-1		2016-03-10	Water	Stage 4				X										X						
ARP	4401410701	I-O-20160311	440-141070-1		2016-03-11	Water	Stage 2B								X												
ARP	4401410701	I-X-20160311	440-141070-10		2016-03-11	Water	Stage 2B								X												
ARP	4401410701	I-N-20160311	440-141070-11		2016-03-11	Water	Stage 2B								X												
ARP	4401410701	I-E-20160311	440-141070-12		2016-03-11	Water	Stage 2B								X												
ARP	4401410701	I-M-20160311	440-141070-13		2016-03-11	Water	Stage 2B								X												
ARP	4401410701	I-D-20160311	440-141070-14		2016-03-11	Water	Stage 2B								X												
ARP	4401410701	I-C-20160311	440-141070-15		2016-03-11	Water	Stage 2B								X												
ARP	4401410701	I-S-20160311	440-141070-16		2016-03-11	Water	Stage 2B								X												
ARP	4401410701	I-L-20160311	440-141070-17		2016-03-11	Water	Stage 2B								X												
ARP	4401410701	I-Y-20160311	440-141070-18		2016-03-11	Water	Stage 2B								X												
ARP	4401410701	I-R-20160311	440-141070-19		2016-03-11	Water	Stage 2B								X												
ARP	4401410701	I-W-20160311	440-141070-2		2016-03-11	Water	Stage 2B								X												
ARP	4401410701	I-B-20160311	440-141070-20		2016-03-11	Water	Stage 2B								X												
ARP	4401410701	I-AB-20160311	440-141070-21		2016-03-11	Water	Stage 2B								X												
ARP	4401410701	I-AA-20160311	440-141070-22		2016-03-11	Water	Stage 2B								X												
ARP	4401410701	I-AR-20160311	440-141070-23		2016-03-11	Water	Stage 2B								X												
ARP	4401410701	I-P-20160311	440-141070-3		2016-03-11	Water	Stage 2B								X												
ARP	4401410701	I-H-20160311	440-141070-4		2016-03-11	Water	Stage 2B								X												
ARP	4401410701	I-U-20160311	440-141070-5		2016-03-11	Water	Stage 2B								X												
ARP	4401410701	I-T-20160311	440-141070-6		2016-03-11	Water	Stage 2B								X												
ARP	4401410701	I-G-20160311	440-141070-7		2016-03-11	Water	Stage 2B								X												

Table I. Sample Cross Reference

Sampling Event	SDG	Client ID	Lab ID	QC Type	Sample Date	Matrix	Validation Level	VOC (8260B)	1,2,3-Trichloropropane & 1,4-Dioxane (SW8260BSIM)	Total Metals (200.7/200.8)	Chromium (200.7)	Dissolved Metals (200.7)	Dissolved Metals (200.7/200.8)	Dissolved Mercury (7470A)	CrVI (218.6)	Anions (300.0)	NO_3-N/NO_3-NO_3 (300.0) SSAL	NO_3-NO_2 as N (Calc)	TIN (Calc)	Chlorate (300.1B)	Perchlorate (314.0)	NH_3 as N (350.1)	TKN (351.2)	Phophorus (365.3)	Recoverable Phenolics (420.1)	HEM (1664A)	Alkalinity (2320B)
ARP	4401410701	I-Q-20160311	440-141070-8		2016-03-11	Water	Stage 2B								X											
ARP	4401410701	I-F-20160311	440-141070-9		2016-03-11	Water	Stage 2B								X											
ARP	4401410831	I-O-20160311	440-141083-1		2016-03-11	Water	Stage 2B				X										X					
ARP	4401410831	I-X-20160311	440-141083-10		2016-03-11	Water	Stage 2B				X										X					
ARP	4401410831	I-N-20160311	440-141083-11		2016-03-11	Water	Stage 2B				X										X					
ARP	4401410831	I-E-20160311	440-141083-12		2016-03-11	Water	Stage 2B				X										X					
ARP	4401410831	I-M-20160311	440-141083-13		2016-03-11	Water	Stage 2B				X										X					
ARP	4401410831	I-D-20160311	440-141083-14		2016-03-11	Water	Stage 2B				X										X					
ARP	4401410831	I-C-20160311	440-141083-15		2016-03-11	Water	Stage 2B				X										X					
ARP	4401410831	I-S-20160311	440-141083-16		2016-03-11	Water	Stage 2B				X										X					
ARP	4401410831	I-L-20160311	440-141083-17		2016-03-11	Water	Stage 2B				X										X					
ARP	4401410831	I-Y-20160311	440-141083-18		2016-03-11	Water	Stage 2B				X										X					
ARP	4401410831	I-R-20160311	440-141083-19		2016-03-11	Water	Stage 2B				X										X					
ARP	4401410831	I-W-20160311	440-141083-2		2016-03-11	Water	Stage 2B				X										X					
ARP	4401410831	I-B-20160311	440-141083-20		2016-03-11	Water	Stage 2B				X										X					
ARP	4401410831	I-AB-20160311	440-141083-21		2016-03-11	Water	Stage 2B				X										X					
ARP	4401410831	I-AA-20160311	440-141083-22		2016-03-11	Water	Stage 2B				X										X					
ARP	4401410831	I-AR-20160311	440-141083-23		2016-03-11	Water	Stage 2B				X										X					
ARP	4401410831	I-P-20160311	440-141083-3		2016-03-11	Water	Stage 2B				X										X					
ARP	4401410831	I-H-20160311	440-141083-4		2016-03-11	Water	Stage 2B				X										X					
ARP	4401410831	I-U-20160311	440-141083-5		2016-03-11	Water	Stage 2B				X										X					
ARP	4401410831	I-T-20160311	440-141083-6		2016-03-11	Water	Stage 2B				X										X					
ARP	4401410831	I-G-20160311	440-141083-7		2016-03-11	Water	Stage 2B				X										X					
ARP	4401410831	I-Q-20160311	440-141083-8		2016-03-11	Water	Stage 2B				X										X					
ARP	4401410831	I-F-20160311	440-141083-9		2016-03-11	Water	Stage 2B				X										X					
ARP	4401412591	PC-97-20160314	440-141259-1		2016-03-14	Water	Stage 2B														X					
ARP	4401412591	PC-86-20160314	440-141259-10		2016-03-14	Water	Stage 2B														X					
ARP	4401412591	PC-90-20160314	440-141259-2		2016-03-14	Water	Stage 2B														X					
ARP	4401412591	PC-91-20160314	440-141259-3		2016-03-14	Water	Stage 2B														X					
ARP	4401412591	PC-58-20160314	440-141259-4		2016-03-14	Water	Stage 2B														X					
ARP	4401412591	PC-56-20160314	440-141259-5		2016-03-14	Water	Stage 2B														X					
ARP	4401412591	PC-60-20160314	440-141259-6		2016-03-14	Water	Stage 2B														X					
ARP	4401412591	PC-59-20160314	440-141259-7		2016-03-14	Water	Stage 2B														X					
ARP	4401412591	PC-62-20160314	440-141259-8		2016-03-14	Water	Stage 2B														X					
ARP	4401412591	PC-68-20160314	440-141259-9		2016-03-14	Water	Stage 2B														X					
ARP	4401414981	I-AD-20160315	440-141498-1		2016-03-15	Water	Stage 2B				X										X					
ARP	4401414981	I-K-20160315	440-141498-2		2016-03-15	Water	Stage 2B				X										X					
ARP	4401414981	I-J-20160315	440-141498-3		2016-03-15	Water	Stage 2B				X										X					
ARP	4401414981	I-AC-20160315	440-141498-4		2016-03-15	Water	Stage 2B				X										X					
ARP	4401414981	I-I-20160315	440-141498-5		2016-03-15	Water	Stage 2B				X										X					

Table I. Sample Cross Reference

Sampling Event	SDG	Client ID	Lab ID	QC Type	Sample Date	Matrix	Validation Level	VOC (8260B)	1,2,3-Trichloropropane & 1,4-Dioxane (SW8260BSIM)	Total Metals (200.7/200.8)	Chromium (200.7)	Dissolved Metals (200.7)	Dissolved Metals (200.7/200.8)	Dissolved Mercury (7470A)	CrVI (218.6)	Anions (300.0)	NO_3-N/NO_3-NO_3 (300.0) SSAL	NO_3-NO_2 as N (Calc)	TIN (Calc)	Chlorate (300.1B)	Perchlorate (314.0)	NH_3 as N (350.1)	TKN (351.2)	Phophorus (365.3)	Recoverable Phenolics (420.1)	HEM (1664A)	Alkalinity (2320B)
ARP	4401414981	I-Z-20160315	440-141498-6		2016-03-15	Water	Stage 2B				X										X						
ARP	4401414981	I-V-20160315	440-141498-7		2016-03-15	Water	Stage 2B				X										X						
ARP	4401429381	I-AD-20160315	440-142938-1		2016-03-15	Water	Stage 2B								X												
ARP	4401429381	I-K-20160315	440-142938-2		2016-03-15	Water	Stage 2B								X												
ARP	4401429381	I-J-20160315	440-142938-3		2016-03-15	Water	Stage 2B								X												
ARP	4401429381	I-AC-20160315	440-142938-4		2016-03-15	Water	Stage 2B								X												
ARP	4401429381	I-I-20160315	440-142938-5		2016-03-15	Water	Stage 2B								X												
ARP	4401429381	I-Z-20160315	440-142938-6		2016-03-15	Water	Stage 2B								X												
ARP	4401429381	I-V-20160315	440-142938-7		2016-03-15	Water	Stage 2B								X												
ARP	4401433401	PC-99R2/R3-20160404	440-143340-1		2016-04-04	Water	Stage 2B				X										X						
ARP	4401433401	ART-4-20160404	440-143340-10		2016-04-04	Water	Stage 2B				X										X						
ARP	4401433401	ART-3A-20160404	440-143340-11		2016-04-04	Water	Stage 2B				X										X						
ARP	4401433401	ART-8A-20160404	440-143340-12		2016-04-04	Water	Stage 2B				X										X						
ARP	4401433401	ART-7A-20160404	440-143340-13		2016-04-04	Water	Stage 2B				X										X						
ARP	4401433401	ART-2-20160404	440-143340-14		2016-04-04	Water	Stage 2B				X										X						
ARP	4401433401	ART-1A-20160404	440-143340-15		2016-04-04	Water	Stage 2B				X										X						
ARP	4401433401	ART-9-20160404	440-143340-16		2016-04-04	Water	Stage 2B				X										X						
ARP	4401433401	PC-150-20160404	440-143340-17		2016-04-04	Water	Stage 2B				X										X						
ARP	4401433401	PC-115R-20160404	440-143340-2		2016-04-04	Water	Stage 2B				X										X						
ARP	4401433401	PC-116R-20160404	440-143340-3		2016-04-04	Water	Stage 2B				X										X						
ARP	4401433401	PC-117-20160404	440-143340-4		2016-04-04	Water	Stage 2B				X										X						
ARP	4401433401	PC-118-20160404	440-143340-5		2016-04-04	Water	Stage 2B				X										X						
ARP	4401433401	PC-119-20160404	440-143340-6		2016-04-04	Water	Stage 2B				X										X						
ARP	4401433401	PC-120-20160404	440-143340-7		2016-04-04	Water	Stage 2B				X										X						
ARP	4401433401	PC-121-20160404	440-143340-8		2016-04-04	Water	Stage 2B				X										X						
ARP	4401433401	PC-133-20160404	440-143340-9		2016-04-04	Water	Stage 2B				X										X						
ARP	4401433451	PC-99R2/R3-20160404	440-143345-1		2016-04-04	Water	Stage 4								X												
ARP	4401433451	ART-4-20160404	440-143345-10		2016-04-04	Water	Stage 4								X												
ARP	4401433451	ART-3A-20160404	440-143345-11		2016-04-04	Water	Stage 4								X												
ARP	4401433451	ART-8A-20160404	440-143345-12		2016-04-04	Water	Stage 4								X												
ARP	4401433451	ART-7A-20160404	440-143345-13		2016-04-04	Water	Stage 4								X												
ARP	4401433451	ART-2-20160404	440-143345-14		2016-04-04	Water	Stage 4								X												
ARP	4401433451	ART-1A-20160404	440-143345-15		2016-04-04	Water	Stage 4								X												
ARP	4401433451	ART-9-20160404	440-143345-16		2016-04-04	Water	Stage 4								X												
ARP	4401433451	PC-150-20160404	440-143345-17		2016-04-04	Water	Stage 4								X												
ARP	4401433451	PC-115R-20160404	440-143345-2		2016-04-04	Water	Stage 4								X												
ARP	4401433451	PC-116R-20160404	440-143345-3		2016-04-04	Water	Stage 4								X												
ARP	4401433451	PC-117-20160404	440-143345-4		2016-04-04	Water	Stage 4								X												
ARP	4401433451	PC-118-20160404	440-143345-5		2016-04-04	Water	Stage 4								X												
ARP	4401433451	PC-119-20160404	440-143345-6		2016-04-04	Water	Stage 4								X												

Table I. Sample Cross Reference

Sampling Event	SDG	Client ID	Lab ID	QC Type	Sample Date	Matrix	Validation Level	VOC (8260B)	1,2,3-Trichloropropane & 1,4-Dioxane (SW8260BSIM)	Total Metals (200.7/200.8)	Chromium (200.7)	Dissolved Metals (200.7)	Dissolved Metals (200.7/200.8)	Dissolved Mercury (7470A)	CrVI (218.6)	Anions (300.0)	NO_3-N/NO_3-NO_3 (300.0) SSAL	NO_3-NO_2 as N (Calc)	TIN (Calc)	Chlorate (300.1B)	Perchlorate (314.0)	NH_3 as N (350.1)	TKN (351.2)	Phophorus (365.3)	Recoverable Phenolics (420.1)	HEM (1664A)	Alkalinity (2320B)
ARP	4401433451	PC-120-20160404	440-143345-7		2016-04-04	Water	Stage 4								X											
ARP	4401433451	PC-121-20160404	440-143345-8		2016-04-04	Water	Stage 4								X											
ARP	4401433451	PC-133-20160404	440-143345-9		2016-04-04	Water	Stage 4								X											
ARP	4401435401	I-O-20160405	440-143540-1		2016-04-05	Water	Stage 2B				X										X					
ARP	4401435401	I-X-20160405	440-143540-10		2016-04-05	Water	Stage 2B				X										X					
ARP	4401435401	I-N-20160405	440-143540-11		2016-04-05	Water	Stage 2B				X										X					
ARP	4401435401	I-E-20160405	440-143540-12		2016-04-05	Water	Stage 2B				X										X					
ARP	4401435401	I-M-20160405	440-143540-13		2016-04-05	Water	Stage 2B				X										X					
ARP	4401435401	I-D-20160405	440-143540-14		2016-04-05	Water	Stage 2B				X										X					
ARP	4401435401	I-C-20160405	440-143540-15		2016-04-05	Water	Stage 2B				X										X					
ARP	4401435401	I-S-20160405	440-143540-16		2016-04-05	Water	Stage 2B				X										X					
ARP	4401435401	I-W-20160405	440-143540-2		2016-04-05	Water	Stage 2B				X										X					
ARP	4401435401	I-P-20160405	440-143540-3		2016-04-05	Water	Stage 2B				X										X					
ARP	4401435401	I-H-20160405	440-143540-4		2016-04-05	Water	Stage 2B				X										X					
ARP	4401435401	I-U-20160405	440-143540-5		2016-04-05	Water	Stage 2B				X										X					
ARP	4401435401	I-G-20160405	440-143540-6		2016-04-05	Water	Stage 2B				X										X					
ARP	4401435401	I-Q-20160405	440-143540-7		2016-04-05	Water	Stage 2B				X										X					
ARP	4401435401	I-T-20160405	440-143540-8		2016-04-05	Water	Stage 2B				X										X					
ARP	4401435401	I-F-20160405	440-143540-9		2016-04-05	Water	Stage 2B				X										X					
ARP	4401437051	PC-86-20160406	440-143705-1		2016-04-06	Water	Stage 2B														X					
ARP	4401437051	PC-97-20160406	440-143705-10		2016-04-06	Water	Stage 2B														X					
ARP	4401437051	M-83-20160406	440-143705-11		2016-04-06	Water	Stage 2B														X					
ARP	4401437051	MEB-1-20160406	440-143705-12	EB	2016-04-06	Water	Stage 2B														X					
ARP	4401437051	PC-68-20160406	440-143705-2		2016-04-06	Water	Stage 2B														X					
ARP	4401437051	PC-62-20160406	440-143705-3		2016-04-06	Water	Stage 2B														X					
ARP	4401437051	PC-60-20160406	440-143705-4		2016-04-06	Water	Stage 2B														X					
ARP	4401437051	PC-59-20160406	440-143705-5		2016-04-06	Water	Stage 2B														X					
ARP	4401437051	PC-56-20160406	440-143705-6		2016-04-06	Water	Stage 2B														X					
ARP	4401437051	PC-58-20160406	440-143705-7		2016-04-06	Water	Stage 2B														X					
ARP	4401437051	PC-91-20160406	440-143705-8		2016-04-06	Water	Stage 2B														X					
ARP	4401437051	PC-90-20160406	440-143705-9		2016-04-06	Water	Stage 2B														X					
ARP	4401438691	I-O-20160405	440-143869-1		2016-04-05	Water	Stage 2B								X											
ARP	4401438691	I-X-20160405	440-143869-10		2016-04-05	Water	Stage 2B								X											
ARP	4401438691	I-N-20160405	440-143869-11		2016-04-05	Water	Stage 2B								X											
ARP	4401438691	I-E-20160405	440-143869-12		2016-04-05	Water	Stage 2B								X											
ARP	4401438691	I-M-20160405	440-143869-13		2016-04-05	Water	Stage 2B								X											
ARP	4401438691	I-D-20160405	440-143869-14		2016-04-05	Water	Stage 2B								X											
ARP	4401438691	I-C-20160405	440-143869-15		2016-04-05	Water	Stage 2B								X											
ARP	4401438691	I-S-20160405	440-143869-16		2016-04-05	Water	Stage 2B								X											
ARP	4401438691	I-W-20160405	440-143869-2		2016-04-05	Water	Stage 2B								X											

Table I. Sample Cross Reference

Sampling Event	SDG	Client ID	Lab ID	QC Type	Sample Date	Matrix	Validation Level	VOC (8260B)	1,2,3-Trichloropropane & 1,4-Dioxane (SW8260BSIM)	Total Metals (200.7/200.8)	Chromium (200.7)	Dissolved Metals (200.7)	Dissolved Metals (200.7/200.8)	Dissolved Mercury (7470A)	CrVI (218.6)	Anions (300.0)	NO_3-N/NO_3-NO_3 (300.0) SSAL	NO_3-NO_2 as N (Calc)	TIN (Calc)	Chlorate (300.1B)	Perchlorate (314.0)	NH_3 as N (350.1)	TKN (351.2)	Phophorus (365.3)	Recoverable Phenolics (420.1)	HEM (1664A)	Alkalinity (2320B)
ARP	4401438691	I-P-20160405	440-143869-3		2016-04-05	Water	Stage 2B								X											
ARP	4401438691	I-H-20160405	440-143869-4		2016-04-05	Water	Stage 2B								X											
ARP	4401438691	I-U-20160405	440-143869-5		2016-04-05	Water	Stage 2B								X											
ARP	4401438691	I-G-20160405	440-143869-6		2016-04-05	Water	Stage 2B								X											
ARP	4401438691	I-Q-20160405	440-143869-7		2016-04-05	Water	Stage 2B								X											
ARP	4401438691	I-T-20160405	440-143869-8		2016-04-05	Water	Stage 2B								X											
ARP	4401438691	I-F-20160405	440-143869-9		2016-04-05	Water	Stage 2B								X											
ARP	4401438791	PC-18-20160407	440-143879-1		2016-04-07	Water	Stage 2B														X					
ARP	4401438791	ARP-6B-20160407	440-143879-10		2016-04-07	Water	Stage 2B														X					
ARP	4401438791	ARP-5A-20160407	440-143879-11		2016-04-07	Water	Stage 2B														X					
ARP	4401438791	ARP-4A-20160407	440-143879-12		2016-04-07	Water	Stage 2B														X					
ARP	4401438791	MW-K4-20160407	440-143879-13		2016-04-07	Water	Stage 2B														X					
ARP	4401438791	ARP-3A-20160407	440-143879-14		2016-04-07	Water	Stage 2B														X					
ARP	4401438791	ARP-2A-20160407	440-143879-15		2016-04-07	Water	Stage 2B														X					
ARP	4401438791	PC-101R-20160407	440-143879-16		2016-04-07	Water	Stage 2B														X					
ARP	4401438791	PC-55-20160407	440-143879-2		2016-04-07	Water	Stage 2B														X					
ARP	4401438791	ARP-1-20160407	440-143879-3		2016-04-07	Water	Stage 2B														X					
ARP	4401438791	PC-98R-20160407	440-143879-4		2016-04-07	Water	Stage 2B														X					
ARP	4401438791	PC-103-20160407	440-143879-5		2016-04-07	Water	Stage 2B														X					
ARP	4401438791	PC-53-20160407	440-143879-6		2016-04-07	Water	Stage 2B														X					
ARP	4401438791	MW-K5-20160407	440-143879-7		2016-04-07	Water	Stage 2B														X					
ARP	4401438791	PC-122-20160407	440-143879-8		2016-04-07	Water	Stage 2B														X					
ARP	4401438791	ARP-7-20160407	440-143879-9		2016-04-07	Water	Stage 2B														X					
ARP	4401438831	ART-6-20160407	440-143883-1		2016-04-07	Water	Stage 2B				X										X					
ARP	4401439201	I-AR-20160408	440-143920-1		2016-04-08	Water	Stage 2B				X										X					
ARP	4401439201	I-J-20160408	440-143920-10		2016-04-08	Water	Stage 2B				X										X					
ARP	4401439201	I-Z-20160408	440-143920-11		2016-04-08	Water	Stage 2B				X										X					
ARP	4401439201	I-I-20160408	440-143920-12		2016-04-08	Water	Stage 2B				X										X					
ARP	4401439201	I-V-20160408	440-143920-13		2016-04-08	Water	Stage 2B				X										X					
ARP	4401439201	I-L-20160408	440-143920-2		2016-04-08	Water	Stage 2B				X										X					
ARP	4401439201	I-Y-20160408	440-143920-3		2016-04-08	Water	Stage 2B				X										X					
ARP	4401439201	I-R-20160408	440-143920-4		2016-04-08	Water	Stage 2B				X										X					
ARP	4401439201	I-B-20160408	440-143920-5		2016-04-08	Water	Stage 2B				X										X					
ARP	4401439201	I-AA-20160408	440-143920-6		2016-04-08	Water	Stage 2B				X										X					
ARP	4401439201	I-AD-20160408	440-143920-7		2016-04-08	Water	Stage 2B				X										X					
ARP	4401439201	I-AC-20160408	440-143920-8		2016-04-08	Water	Stage 2B				X										X					
ARP	4401439201	I-K-20160408	440-143920-9		2016-04-08	Water	Stage 2B				X										X					
ARP	4401459491	ART-6-20160407	440-145949-1		2016-04-07	Water	Stage 2B								X											
ARP	4401459511	I-AR-20160408	440-145951-1		2016-04-08	Water	Stage 2B								X											
ARP	4401459511	I-J-20160408	440-145951-10		2016-04-08	Water	Stage 2B								X											

Table I. Sample Cross Reference

Sampling Event	SDG	Client ID	Lab ID	QC Type	Sample Date	Matrix	Validation Level	VOC (8260B)	1,2,3-Trichloropropane & 1,4-Dioxane (SW8260BSIM)	Total Metals (200.7/200.8)	Chromium (200.7)	Dissolved Metals (200.7)	Dissolved Metals (200.7/200.8)	Dissolved Mercury (7470A)	CrVI (218.6)	Anions (300.0)	NO_3-N/NO_3-NO_3 (300.0) SSAL	NO_3-NO_2 as N (Calc)	TIN (Calc)	Chlorate (300.1B)	Perchlorate (314.0)	NH_3 as N (350.1)	TKN (351.2)	Phophorus (365.3)	Recoverable Phenolics (420.1)	HEM (1664A)	Alkalinity (2320B)
ARP	4401459511	I-Z-20160408	440-145951-11		2016-04-08	Water	Stage 2B								X											
ARP	4401459511	I-V-20160408	440-145951-12		2016-04-08	Water	Stage 2B								X											
ARP	4401459511	I-I-20160408	440-145951-13		2016-04-08	Water	Stage 2B								X											
ARP	4401459511	I-L-20160408	440-145951-2		2016-04-08	Water	Stage 2B								X											
ARP	4401459511	I-Y-20160408	440-145951-3		2016-04-08	Water	Stage 2B								X											
ARP	4401459511	I-R-20160408	440-145951-4		2016-04-08	Water	Stage 2B								X											
ARP	4401459511	I-B-20160408	440-145951-5		2016-04-08	Water	Stage 2B								X											
ARP	4401459511	I-AA-20160408	440-145951-6		2016-04-08	Water	Stage 2B								X											
ARP	4401459511	I-AD-20160408	440-145951-7		2016-04-08	Water	Stage 2B								X											
ARP	4401459511	I-AC-20160408	440-145951-8		2016-04-08	Water	Stage 2B								X											
ARP	4401459511	I-K-20160408	440-145951-9		2016-04-08	Water	Stage 2B								X											
ARP	4401460231	I-O-20160502	440-146023-1		2016-05-02	Water	Stage 2B				X										X					
ARP	4401460231	I-W-20160502	440-146023-2		2016-05-02	Water	Stage 2B				X										X					
ARP	4401460231	I-P-20160502	440-146023-3		2016-05-02	Water	Stage 2B				X										X					
ARP	4401460231	I-H-20160502	440-146023-4		2016-05-02	Water	Stage 2B				X										X					
ARP	4401460231	I-U-20160502	440-146023-5		2016-05-02	Water	Stage 2B				X										X					
ARP	4401460231	I-T-20160502	440-146023-6		2016-05-02	Water	Stage 2B				X										X					
ARP	4401460231	I-G-20160502	440-146023-7		2016-05-02	Water	Stage 2B				X										X					
ARP	4401460231	I-Q-20160502	440-146023-8		2016-05-02	Water	Stage 2B				X										X					
ARP	4401460231	I-F-20160502	440-146023-9		2016-05-02	Water	Stage 2B				X										X					
ARP	4401460341	PC-99R2/R3-20160502	440-146034-1		2016-05-02	Water	Stage 2B				X										X					
ARP	4401460341	ART-4A-20160502	440-146034-10		2016-05-02	Water	Stage 2B				X										X					
ARP	4401460341	ART-3A-20160502	440-146034-11		2016-05-02	Water	Stage 2B				X										X					
ARP	4401460341	ART-8A-20160502	440-146034-12		2016-05-02	Water	Stage 2B				X										X					
ARP	4401460341	ART-2-20160502	440-146034-13		2016-05-02	Water	Stage 2B				X										X					
ARP	4401460341	ART-1-20160502	440-146034-14		2016-05-02	Water	Stage 2B				X										X					
ARP	4401460341	PC-150-20160502	440-146034-15		2016-05-02	Water	Stage 2B				X										X					
ARP	4401460341	ART-9-20160502	440-146034-16		2016-05-02	Water	Stage 2B				X										X					
ARP	4401460341	ART-7A-20160502	440-146034-17		2016-05-02	Water	Stage 2B				X										X					
ARP	4401460341	ART-6-20160502	440-146034-18		2016-05-02	Water	Stage 2B				X										X					
ARP	4401460341	PC-115R-20160502	440-146034-2		2016-05-02	Water	Stage 2B				X										X					
ARP	4401460341	PC-116R-20160502	440-146034-3		2016-05-02	Water	Stage 2B				X										X					
ARP	4401460341	PC-117-20160502	440-146034-4		2016-05-02	Water	Stage 2B				X										X					
ARP	4401460341	PC-118-20160502	440-146034-5		2016-05-02	Water	Stage 2B				X										X					
ARP	4401460341	PC-119-20160502	440-146034-6		2016-05-02	Water	Stage 2B				X										X					
ARP	4401460341	PC-120-20160502	440-146034-7		2016-05-02	Water	Stage 2B				X										X					
ARP	4401460341	PC-121-20160502	440-146034-8		2016-05-02	Water	Stage 2B				X										X					
ARP	4401460341	PC-133-20160502	440-146034-9		2016-05-02	Water	Stage 2B				X										X					
ARP	4401461591	PC-99R2/R3-20160502	440-146159-1		2016-05-02	Water	Stage 2B								X											
ARP	4401461591	ART-4A-20160502	440-146159-10		2016-05-02	Water	Stage 2B								X											

Table I. Sample Cross Reference

Sampling Event	SDG	Client ID	Lab ID	QC Type	Sample Date	Matrix	Validation Level	VOC (8260B)	1,2,3-Trichloropropane & 1,4-Dioxane (SW8260BSIM)	Total Metals (200.7/200.8)	Chromium (200.7)	Dissolved Metals (200.7)	Dissolved Metals (200.7/200.8)	Dissolved Mercury (7470A)	CrVI (218.6)	Anions (300.0)	NO_3-N/NO_3-NO_3 (300.0) SSAL	NO_3-NO_2 as N (Calc)	TIN (Calc)	Chlorate (300.1B)	Perchlorate (314.0)	NH_3 as N (350.1)	TKN (351.2)	Phophorus (365.3)	Recoverable Phenolics (420.1)	HEM (1664A)	Alkalinity (2320B)
ARP	4401461591	ART-3A-20160502	440-146159-11		2016-05-02	Water	Stage 2B								X											
ARP	4401461591	ART-8A-20160502	440-146159-12		2016-05-02	Water	Stage 2B								X											
ARP	4401461591	ART-2-20160502	440-146159-13		2016-05-02	Water	Stage 2B								X											
ARP	4401461591	ART-1-20160502	440-146159-14		2016-05-02	Water	Stage 2B								X											
ARP	4401461591	PC-150-20160502	440-146159-15		2016-05-02	Water	Stage 2B								X											
ARP	4401461591	ART-9-20160502	440-146159-16		2016-05-02	Water	Stage 2B								X											
ARP	4401461591	ART-7A-20160502	440-146159-17		2016-05-02	Water	Stage 2B								X											
ARP	4401461591	ART-6-20160502	440-146159-18		2016-05-02	Water	Stage 2B								X											
ARP	4401461591	PC-115R-20160502	440-146159-2		2016-05-02	Water	Stage 2B								X											
ARP	4401461591	PC-116R-20160502	440-146159-3		2016-05-02	Water	Stage 2B								X											
ARP	4401461591	PC-117-20160502	440-146159-4		2016-05-02	Water	Stage 2B								X											
ARP	4401461591	PC-118-20160502	440-146159-5		2016-05-02	Water	Stage 2B								X											
ARP	4401461591	PC-119-20160502	440-146159-6		2016-05-02	Water	Stage 2B								X											
ARP	4401461591	PC-120-20160502	440-146159-7		2016-05-02	Water	Stage 2B								X											
ARP	4401461591	PC-121-20160502	440-146159-8		2016-05-02	Water	Stage 2B								X											
ARP	4401461591	PC-133-20160502	440-146159-9		2016-05-02	Water	Stage 2B								X											
ARP	4401461601	I-O-20160502	440-146160-1		2016-05-02	Water	Stage 2B								X											
ARP	4401461601	I-W-20160502	440-146160-2		2016-05-02	Water	Stage 2B								X											
ARP	4401461601	I-P-20160502	440-146160-3		2016-05-02	Water	Stage 2B								X											
ARP	4401461601	I-H-20160502	440-146160-4		2016-05-02	Water	Stage 2B								X											
ARP	4401461601	I-U-20160502	440-146160-5		2016-05-02	Water	Stage 2B								X											
ARP	4401461601	I-T-20160502	440-146160-6		2016-05-02	Water	Stage 2B								X											
ARP	4401461601	I-G-20160502	440-146160-7		2016-05-02	Water	Stage 2B								X											
ARP	4401461601	I-Q-20160502	440-146160-8		2016-05-02	Water	Stage 2B								X											
ARP	4401461601	I-F-20160502	440-146160-9		2016-05-02	Water	Stage 2B								X											
ARP	4401461901	I-X-20160503	440-146190-1		2016-05-03	Water	Stage 2B				X										X					
ARP	4401461901	I-R-20160503	440-146190-10		2016-05-03	Water	Stage 2B				X										X					
ARP	4401461901	I-B-20160503	440-146190-11		2016-05-03	Water	Stage 2B				X										X					
ARP	4401461901	I-AB-20160503	440-146190-12		2016-05-03	Water	Stage 2B				X										X					
ARP	4401461901	I-AA-20160503	440-146190-13		2016-05-03	Water	Stage 2B				X										X					
ARP	4401461901	I-AR-20160503	440-146190-14		2016-05-03	Water	Stage 2B				X										X					
ARP	4401461901	EB-1-20160503	440-146190-15	EB	2016-05-03	Water	Stage 2B				X										X					
ARP	4401461901	I-N-20160503	440-146190-2		2016-05-03	Water	Stage 2B				X										X					
ARP	4401461901	I-E-20160503	440-146190-3		2016-05-03	Water	Stage 2B				X										X					
ARP	4401461901	I-M-20160503	440-146190-4		2016-05-03	Water	Stage 2B				X										X					
ARP	4401461901	I-D-20160503	440-146190-5		2016-05-03	Water	Stage 2B				X										X					
ARP	4401461901	I-C-20160503	440-146190-6		2016-05-03	Water	Stage 2B				X										X					
ARP	4401461901	I-S-20160503	440-146190-7		2016-05-03	Water	Stage 2B				X										X					
ARP	4401461901	I-L-20160503	440-146190-8		2016-05-03	Water	Stage 2B				X										X					
ARP	4401461901	I-Y-20160503	440-146190-9		2016-05-03	Water	Stage 2B				X										X					

Table I. Sample Cross Reference

Sampling Event	SDG	Client ID	Lab ID	QC Type	Sample Date	Matrix	Validation Level	VOC (8260B)	1,2,3-Trichloropropane & 1,4-Dioxane (SW8260BSIM)	Total Metals (200.7/200.8)	Chromium (200.7)	Dissolved Metals (200.7)	Dissolved Metals (200.7/200.8)	Dissolved Mercury (7470A)	CrVI (218.6)	Anions (300.0)	NO_3-N/NO_3-NO_3 (300.0) SSAL	NO_3-NO_2 as N (Calc)	TIN (Calc)	Chlorate (300.1B)	Perchlorate (314.0)	NH_3 as N (350.1)	TKN (351.2)	Phophorus (365.3)	Recoverable Phenolics (420.1)	HEM (1664A)	Alkalinity (2320B)
ARP	4401464031	I-X-20160503	440-146403-1		2016-05-03	Water	Stage 4								X											
ARP	4401464031	I-R-20160503	440-146403-10		2016-05-03	Water	Stage 4								X											
ARP	4401464031	I-B-20160503	440-146403-11		2016-05-03	Water	Stage 4								X											
ARP	4401464031	I-AB-20160503	440-146403-12		2016-05-03	Water	Stage 4								X											
ARP	4401464031	I-AA-20160503	440-146403-13		2016-05-03	Water	Stage 4								X											
ARP	4401464031	I-AR-20160503	440-146403-14		2016-05-03	Water	Stage 4								X											
ARP	4401464031	EB-I-20160503	440-146403-15	EB	2016-05-03	Water	Stage 2B								X											
ARP	4401464031	I-N-20160503	440-146403-2		2016-05-03	Water	Stage 4								X											
ARP	4401464031	I-E-20160503	440-146403-3		2016-05-03	Water	Stage 4								X											
ARP	4401464031	I-M-20160503	440-146403-4		2016-05-03	Water	Stage 4								X											
ARP	4401464031	I-D-20160503	440-146403-5		2016-05-03	Water	Stage 4								X											
ARP	4401464031	I-C-20160503	440-146403-6		2016-05-03	Water	Stage 4								X											
ARP	4401464031	I-S-20160503	440-146403-7		2016-05-03	Water	Stage 4								X											
ARP	4401464031	I-L-20160503	440-146403-8		2016-05-03	Water	Stage 4								X											
ARP	4401464031	I-Y-20160503	440-146403-9		2016-05-03	Water	Stage 4								X											
ARP	4401464051	PC-58-20160504	440-146405-1		2016-05-04	Water	Stage 2B				X										X					
ARP	4401464051	PC-91-20160504	440-146405-10		2016-05-04	Water	Stage 2B				X										X					
ARP	4401464051	PC-92-20160504	440-146405-11		2016-05-04	Water	Stage 2B				X										X					
ARP	4401464051	PC-90-20160504	440-146405-12		2016-05-04	Water	Stage 2B				X										X					
ARP	4401464051	PC-97-20160504	440-146405-13		2016-05-04	Water	Stage 2B				X										X					
ARP	4401464051	PC-56-20160504	440-146405-2		2016-05-04	Water	Stage 2B				X										X					
ARP	4401464051	PC-60-20160504	440-146405-3		2016-05-04	Water	Stage 2B				X										X					
ARP	4401464051	PC-59-20160504	440-146405-4		2016-05-04	Water	Stage 2B				X										X					
ARP	4401464051	PC-62-20160504	440-146405-5		2016-05-04	Water	Stage 2B				X										X					
ARP	4401464051	EB-2-20160504	440-146405-6	EB	2016-05-04	Water	Stage 2B				X										X					
ARP	4401464051	PC-86-20160504	440-146405-7		2016-05-04	Water	Stage 2B				X										X					
ARP	4401464051	PC-68-20160504	440-146405-8		2016-05-04	Water	Stage 2B				X										X					
ARP	4401464051	PC-94-20160504	440-146405-9		2016-05-04	Water	Stage 2B				X										X					
ARP	4401465931	PC-53-20160505	440-146593-1		2016-05-05	Water	Stage 2B				X										X					
ARP	4401465931	PC-101R-20160505	440-146593-10		2016-05-05	Water	Stage 2B				X										X					
ARP	4401465931	ARP-3A-20160505	440-146593-11		2016-05-05	Water	Stage 2B				X										X					
ARP	4401465931	MEB-1-20160505	440-146593-12	EB	2016-05-05	Water	Stage 2B														X					
ARP	4401465931	ARP-2A-20160505	440-146593-13		2016-05-05	Water	Stage 2B				X										X					
ARP	4401465931	EB-2B-20160505	440-146593-14	EB	2016-05-05	Water	Stage 2B				X										X					
ARP	4401465931	PC-103-20160505	440-146593-15		2016-05-05	Water	Stage 2B				X										X					
ARP	4401465931	PC-98R-20160505	440-146593-16		2016-05-05	Water	Stage 2B				X										X					
ARP	4401465931	MW-K5-20160505	440-146593-2		2016-05-05	Water	Stage 2B				X										X					
ARP	4401465931	PC-122-20160505	440-146593-3		2016-05-05	Water	Stage 2B				X										X					
ARP	4401465931	ARP-7-20160505	440-146593-4		2016-05-05	Water	Stage 2B				X										X					
ARP	4401465931	ARP-6B-20160505	440-146593-5		2016-05-05	Water	Stage 2B				X										X					

Table I. Sample Cross Reference

Sampling Event	SDG	Client ID	Lab ID	QC Type	Sample Date	Matrix	Validation Level	VOC (8260B)	1,2,3-Trichloropropane & 1,4-Dioxane (SW8260BSIM)	Total Metals (200.7/200.8)	Chromium (200.7)	Dissolved Metals (200.7)	Dissolved Metals (200.7/200.8)	Dissolved Mercury (7470A)	CrVI (218.6)	Anions (300.0)	NO_3-N/NO_3-NO_3 (300.0) SSAL	NO_3-NO_2 as N (Calc)	TIN (Calc)	Chlorate (300.1B)	Perchlorate (314.0)	NH_3 as N (350.1)	TKN (351.2)	Phophorus (365.3)	Recoverable Phenolics (420.1)	HEM (1664A)	Alkalinity (2320B)
ARP	4401465931	ARP-5A-20160505	440-146593-6		2016-05-05	Water	Stage 2B				X										X					
ARP	4401465931	ARP-4A-20160505	440-146593-7		2016-05-05	Water	Stage 2B				X										X					
ARP	4401465931	MW-K4-20160505	440-146593-8		2016-05-05	Water	Stage 2B				X										X					
ARP	4401465931	PC-144-20160505	440-146593-9		2016-05-05	Water	Stage 2B				X										X					
ARP	4401466531	PC-18-20160506	440-146653-1		2016-05-06	Water	Stage 2B				X										X					
ARP	4401466531	PC-55-20160506	440-146653-2		2016-05-06	Water	Stage 2B				X										X					
ARP	4401466531	ARP-1-20160506	440-146653-3		2016-05-06	Water	Stage 2B				X										X					
ARP	4401466531	PC-142-20160506	440-146653-4		2016-05-06	Water	Stage 2B				X										X					
ARP	4401466531	EB-3-20160506	440-146653-5	EB	2016-05-06	Water	Stage 2B				X										X					
ARP	4401466531	HMW-16-20160506	440-146653-6		2016-05-06	Water	Stage 2B				X										X					
ARP	4401468651	PC-123-20160509	440-146865-1		2016-05-09	Water	Stage 2B				X					X					X					
ARP	4401468651	PC-125-20160509	440-146865-10		2016-05-09	Water	Stage 2B				X					X					X					
ARP	4401468651	PC-126-20160509	440-146865-11		2016-05-09	Water	Stage 2B				X					X				X	X					
ARP	4401468651	PC-24-20160509	440-146865-12		2016-05-09	Water	Stage 2B				X					X					X					
ARP	4401468651	PC-127-20160509	440-146865-13		2016-05-09	Water	Stage 2B				X					X					X					
ARP	4401468651	DUP-1-20160509	440-146865-14		2016-05-09	Water	Stage 2B				X					X					X					
ARP	4401468651	PC-79-20160509	440-146865-15		2016-05-09	Water	Stage 2B				X					X					X					
ARP	4401468651	PC-82-20160509	440-146865-16		2016-05-09	Water	Stage 2B				X					X				X	X					
ARP	4401468651	PC-128-20160509	440-146865-2		2016-05-09	Water	Stage 2B				X					X				X	X					
ARP	4401468651	PC-129-20160509	440-146865-3		2016-05-09	Water	Stage 2B				X					X					X					
ARP	4401468651	PC-130-20160509	440-146865-4		2016-05-09	Water	Stage 2B				X					X				X	X					
ARP	4401468651	PC-50-20160509	440-146865-5		2016-05-09	Water	Stage 2B				X					X					X					
ARP	4401468651	PC-131-20160509	440-146865-6		2016-05-09	Water	Stage 2B				X					X					X					
ARP	4401468651	EB-4-20160509	440-146865-7	EB	2016-05-09	Water	Stage 2B				X					X					X					
ARP	4401468651	PC-132-20160509	440-146865-8		2016-05-09	Water	Stage 2B				X					X				X	X					
ARP	4401468651	PC-124-20160509	440-146865-9		2016-05-09	Water	Stage 2B				X					X				X	X					
ARP	4401470501	PC-148-20160510	440-147050-1		2016-05-10	Water	Stage 2B				X					X					X					
ARP	4401470501	PC-134A-20160510	440-147050-10		2016-05-10	Water	Stage 2B				X					X					X					
ARP	4401470501	EB-4B-20160510	440-147050-11	EB	2016-05-10	Water	Stage 2B				X					X					X					
ARP	4401470501	DUP-2-20160510	440-147050-12		2016-05-10	Water	Stage 2B				X					X					X					
ARP	4401470501	DUP-3-20160510	440-147050-13		2016-05-10	Water	Stage 2B				X					X				X	X					
ARP	4401470501	PC-149-20160510	440-147050-2		2016-05-10	Water	Stage 2B				X					X					X					
ARP	4401470501	PC-143-20160510	440-147050-3		2016-05-10	Water	Stage 2B				X					X					X					
ARP	4401470501	PC-137-20160510	440-147050-4		2016-05-10	Water	Stage 2B				X					X					X					
ARP	4401470501	PC-136-20160510	440-147050-5		2016-05-10	Water	Stage 2B				X					X					X					
ARP	4401470501	PC-145-20160510	440-147050-6		2016-05-10	Water	Stage 2B				X					X					X					
ARP	4401470501	PC-4-20160510	440-147050-7		2016-05-10	Water	Stage 2B				X					X				X	X					
ARP	4401470501	PC-2-20160510	440-147050-8		2016-05-10	Water	Stage 2B				X					X				X	X					
ARP	4401470501	PC-135A-20160510	440-147050-9		2016-05-10	Water	Stage 2B				X					X					X					
ARP	4401472721	PC-66-20160511	440-147272-1		2016-05-11	Water	Stage 2B				X										X					

Table I. Sample Cross Reference

Sampling Event	SDG	Client ID	Lab ID	QC Type	Sample Date	Matrix	Validation Level	VOC (8260B)	1,2,3-Trichloropropane & 1,4-Dioxane (SW8260BSIM)	Total Metals (200.7/200.8)	Chromium (200.7)	Dissolved Metals (200.7)	Dissolved Metals (200.7/200.8)	Dissolved Mercury (7470A)	CrVI (218.6)	Anions (300.0)	NO_3-N/NO_3-NO_3 (300.0) SSAL	NO_3-NO_2 as N (Calc)	TIN (Calc)	Chlorate (300.1B)	Perchlorate (314.0)	NH_3 as N (350.1)	TKN (351.2)	Phophorus (365.3)	Recoverable Phenolics (420.1)	HEM (1664A)	Alkalinity (2320B)
ARP	4401472721	PC-65-20160511	440-147272-10		2016-05-11	Water	Stage 2B				X										X						
ARP	4401472721	PC-71-20160511	440-147272-11		2016-05-11	Water	Stage 2B				X										X						
ARP	4401472721	H-58A-20160511	440-147272-12		2016-05-11	Water	Stage 2B				X										X						
ARP	4401472721	PC-37-20160511	440-147272-13		2016-05-11	Water	Stage 2B				X										X						
ARP	4401472721	H-48-20160511	440-147272-14		2016-05-11	Water	Stage 2B				X										X						
ARP	4401472721	PC-64-20160511	440-147272-15		2016-05-11	Water	Stage 2B				X										X						
ARP	4401472721	EB-5-20160511	440-147272-16	EB	2016-05-11	Water	Stage 2B				X				X						X						
ARP	4401472721	PC-67-20160511	440-147272-2		2016-05-11	Water	Stage 2B				X										X						
ARP	4401472721	PC-31-20160511	440-147272-3		2016-05-11	Water	Stage 2B				X										X						
ARP	4401472721	PC-28-20160511	440-147272-4		2016-05-11	Water	Stage 2B				X										X						
ARP	4401472721	PC-73-20160511	440-147272-5		2016-05-11	Water	Stage 2B				X										X						
ARP	4401472721	M-44-20160511	440-147272-6		2016-05-11	Water	Stage 2B				X				X						X						
ARP	4401472721	PC-72-20160511	440-147272-7		2016-05-11	Water	Stage 2B				X										X						
ARP	4401472721	PC-40-20160511	440-147272-8		2016-05-11	Water	Stage 2B				X										X						
ARP	4401472721	MC-65-20160511	440-147272-9		2016-05-11	Water	Stage 2B				X										X						
ARP	4401473891	PC-54-20160512	440-147389-1		2016-05-12	Water	Stage 4				X										X						
ARP	4401473891	EB-6-20160512	440-147389-10	EB	2016-05-12	Water	Stage 4				X										X						
ARP	4401473891	DUP-5-20160512	440-147389-11		2016-05-12	Water	Stage 4				X					X				X	X						
ARP	4401473891	MC-51-20160512	440-147389-12		2016-05-12	Water	Stage 4														X						
ARP	4401473891	MC-50-20160512	440-147389-13		2016-05-12	Water	Stage 4														X						
ARP	4401473891	MC-45-20160512	440-147389-14		2016-05-12	Water	Stage 4														X						
ARP	4401473891	M-48A-20160512	440-147389-2		2016-05-12	Water	Stage 4				X					X				X	X						
ARP	4401473891	MC-7-20160512	440-147389-3		2016-05-12	Water	Stage 4														X						
ARP	4401473891	MC-3-20160512	440-147389-4		2016-05-12	Water	Stage 4														X						
ARP	4401473891	M-95-20160512	440-147389-5		2016-05-12	Water	Stage 4				X										X						
ARP	4401473891	PC-21A-20160512	440-147389-6		2016-05-12	Water	Stage 4				X					X				X	X						
ARP	4401473891	MC-29-20160512	440-147389-7		2016-05-12	Water	Stage 4														X						
ARP	4401473891	M-23-20160512	440-147389-8		2016-05-12	Water	Stage 4				X					X				X							
ARP	4401473891	MC-53-20160512	440-147389-9		2016-05-12	Water	Stage 4				X										X						
ARP	4401474721	AA-01-20160513	440-147472-1		2016-05-13	Water	Stage 2B														X						
ARP	4401474721	HM-2-20160513	440-147472-2		2016-05-13	Water	Stage 2B														X						
ARP	4401474721	MC-6-20160513	440-147472-3		2016-05-13	Water	Stage 2B														X						
ARP	4401474721	MC-69-20160513	440-147472-4		2016-05-13	Water	Stage 2B														X						
ARP	4401474721	EB-7-20160513	440-147472-5	EB	2016-05-13	Water	Stage 2B				X										X						
ARP	4401474721	MC-97-20160513	440-147472-6		2016-05-13	Water	Stage 2B														X						
ARP	4401474721	MC-93-20160513	440-147472-7		2016-05-13	Water	Stage 2B														X						
ARP	4401476261	M-165-20160516	440-147626-1		2016-05-16	Water	Stage 2B				X										X						
ARP	4401476261	M-186-20160516	440-147626-2		2016-05-16	Water	Stage 2B				X										X						
ARP	4401476261	M-120-20160516	440-147626-3		2016-05-16	Water	Stage 2B				X										X						
ARP	4401476261	M-117-20160516	440-147626-4		2016-05-16	Water	Stage 2B				X										X						

Table I. Sample Cross Reference

Sampling Event	SDG	Client ID	Lab ID	QC Type	Sample Date	Matrix	Validation Level	VOC (8260B)	1,2,3-Trichloropropane & 1,4-Dioxane (SW8260BSIM)	Total Metals (200.7/200.8)	Chromium (200.7)	Dissolved Metals (200.7)	Dissolved Metals (200.7/200.8)	Dissolved Mercury (7470A)	CrVI (218.6)	Anions (300.0)	NO_3-N/NO_3-NO_3 (300.0) SSAL	NO_3-NO_2 as N (Calc)	TIN (Calc)	Chlorate (300.1B)	Perchlorate (314.0)	NH_3 as N (350.1)	TKN (351.2)	Phophorus (365.3)	Recoverable Phenolics (420.1)	HEM (1664A)	Alkalinity (2320B)
ARP	4401476321	M-182-20160516	440-147632-1		2016-05-16	Water	Stage 2B				X									X						
ARP	4401476321	M-181-20160516	440-147632-2		2016-05-16	Water	Stage 2B				X									X						
ARP	4401476321	M-151-20160516	440-147632-3		2016-05-16	Water	Stage 2B				X									X						
ARP	4401476321	M-118-20160516	440-147632-4		2016-05-16	Water	Stage 2B				X									X						
ARP	4401477951	M-121-20160517	440-147795-1		2016-05-17	Water	Stage 2B				X									X						
ARP	4401477951	TR-9-20160517	440-147795-2		2016-05-17	Water	Stage 2B				X									X						
ARP	4401477951	TR-10-20160517	440-147795-3		2016-05-17	Water	Stage 2B				X									X						
ARP	4401478091	M-161-20160517	440-147809-1		2016-05-17	Water	Stage 2B				X									X						
ARP	4401478091	M-162-20160517	440-147809-2		2016-05-17	Water	Stage 2B				X									X						
ARP	4401478091	M-163-20160517	440-147809-3		2016-05-17	Water	Stage 2B				X									X						
ARP	4401478091	M-164-20160517	440-147809-4		2016-05-17	Water	Stage 2B				X									X						
ARP	4401479401	TR-5-20160518	440-147940-1		2016-05-18	Water	Stage 2B				X									X						
ARP	4401479401	TR-6-20160518	440-147940-2		2016-05-18	Water	Stage 2B				X									X						
ARP	4401479401	M-103-20160518	440-147940-3		2016-05-18	Water	Stage 2B				X									X						
ARP	4401479401	H-11-20160518	440-147940-4		2016-05-18	Water	Stage 2B				X									X						
ARP	4401479431	M-155-20160518	440-147943-1		2016-05-18	Water	Stage 2B				X									X						
ARP	4401479431	M-153-20160518	440-147943-2		2016-05-18	Water	Stage 2B				X									X						
ARP	4401479431	M-149-20160518	440-147943-3		2016-05-18	Water	Stage 2B				X									X						
ARP	4401480141	PC-110-20160519	440-148014-1		2016-05-19	Water	Stage 2B													X						
ARP	4401480141	HMW-14-20160519	440-148014-10		2016-05-19	Water	Stage 2B													X						
ARP	4401480141	HMW-15-20160519	440-148014-11		2016-05-19	Water	Stage 2B													X						
ARP	4401480141	PC-108-20160519	440-148014-2		2016-05-19	Water	Stage 2B													X						
ARP	4401480141	PC-107-20160519	440-148014-3		2016-05-19	Water	Stage 2B													X						
ARP	4401480141	PC-77-20160519	440-148014-4		2016-05-19	Water	Stage 2B													X						
ARP	4401480141	PC-74-20160519	440-148014-5		2016-05-19	Water	Stage 2B													X						
ARP	4401480141	PC-96-20160519	440-148014-6		2016-05-19	Water	Stage 2B													X						
ARP	4401480141	HMW-13-20160519	440-148014-7		2016-05-19	Water	Stage 2B													X						
ARP	4401480141	DUP-6-20160519	440-148014-8		2016-05-19	Water	Stage 2B													X						
ARP	4401480141	EB-7B-20160519	440-148014-9	EB	2016-05-19	Water	Stage 2B				X									X						
ARP	4401480301	M-154-20160519	440-148030-1		2016-05-19	Water	Stage 2B				X									X						
ARP	4401480301	M-150-20160519	440-148030-2		2016-05-19	Water	Stage 2B				X									X						
ARP	4401480301	TR-4-20160519	440-148030-3		2016-05-19	Water	Stage 2B				X									X						
ARP	4401480351	M-152-20160519	440-148035-1		2016-05-19	Water	Stage 2B				X									X						
ARP	4401480351	M-156-20160519	440-148035-2		2016-05-19	Water	Stage 2B				X									X						
ARP	4401480351	TR-11-20160519	440-148035-3		2016-05-19	Water	Stage 2B				X									X						
ARP	4401480351	EB-8-20160519	440-148035-4	EB	2016-05-19	Water	Stage 2B				X									X						
ARP	4401480661	TR-8-20160520	440-148066-1		2016-05-20	Water	Stage 2B				X									X						
ARP	4401480661	TR-7-20160520	440-148066-2		2016-05-20	Water	Stage 2B				X									X						
ARP	4401480661	TR-3-20160520	440-148066-3		2016-05-20	Water	Stage 2B				X									X						
ARP	4401480681	TR-1-20160520	440-148068-1		2016-05-20	Water	Stage 2B				X									X						

Table I. Sample Cross Reference

Sampling Event	SDG	Client ID	Lab ID	QC Type	Sample Date	Matrix	Validation Level	VOC (8260B)	1,2,3-Trichloropropane & 1,4-Dioxane (SW8260BSIM)	Total Metals (200.7/200.8)	Chromium (200.7)	Dissolved Metals (200.7)	Dissolved Metals (200.7/200.8)	Dissolved Mercury (7470A)	CrVI (218.6)	Anions (300.0)	NO_3-N/NO_3-NO_3 (300.0) SSAL	NO_3-NO_2 as N (Calc)	TIN (Calc)	Chlorate (300.1B)	Perchlorate (314.0)	NH_3 as N (350.1)	TKN (351.2)	Phophorus (365.3)	Recoverable Phenolics (420.1)	HEM (1664A)	Alkalinity (2320B)
ARP	4401480681	TR-2-20160520	440-148068-2		2016-05-20	Water	Stage 2B				X										X						
ARP	4401480681	TR-12-20160520	440-148068-3		2016-05-20	Water	Stage 2B				X										X						
ARP	4401480811	EB-7-20160513	440-148081-1	EB	2016-05-13	Water	Stage 2B								X												
ARP	4401480841	EB-7-20160519	440-148084-1	EB	2016-05-19	Water	Stage 2B								X												
ARP	4401482241	M-92-20160523	440-148224-1		2016-05-23	Water	Stage 4				X										X						
ARP	4401482241	M-38-20160523	440-148224-10		2016-05-23	Water	Stage 4				X										X						
ARP	4401482241	DUP-7-20160523	440-148224-11		2016-05-23	Water	Stage 4				X										X						
ARP	4401482241	M-22A-20160523	440-148224-12		2016-05-23	Water	Stage 4				X										X						
ARP	4401482241	M-79-20160523	440-148224-13		2016-05-23	Water	Stage 4				X										X						
ARP	4401482241	M-64-20160523	440-148224-14		2016-05-23	Water	Stage 4				X										X						
ARP	4401482241	M-69-20160523	440-148224-15		2016-05-23	Water	Stage 4				X										X						
ARP	4401482241	FB-20160523	440-148224-16	FB	2016-05-23	Water	Stage 4				X										X						
ARP	4401482241	M-136-20160523	440-148224-17		2016-05-23	Water	Stage 4				X										X						
ARP	4401482241	M-135-20160523	440-148224-18		2016-05-23	Water	Stage 4				X										X						
ARP	4401482241	M-134-20160523	440-148224-19		2016-05-23	Water	Stage 4				X										X						
ARP	4401482241	M-97-20160523	440-148224-2		2016-05-23	Water	Stage 4				X										X						
ARP	4401482241	M-14A-20160523	440-148224-3		2016-05-23	Water	Stage 4				X										X						
ARP	4401482241	M-37-20160523	440-148224-4		2016-05-23	Water	Stage 4				X					X				X	X						
ARP	4401482241	M-25-20160523	440-148224-5		2016-05-23	Water	Stage 4				X					X				X	X						
ARP	4401482241	DUP-8-20160523	440-148224-6		2016-05-23	Water	Stage 4				X					X				X	X						
ARP	4401482241	M-65-20160523	440-148224-7		2016-05-23	Water	Stage 4				X										X						
ARP	4401482241	M-66-20160523	440-148224-8		2016-05-23	Water	Stage 4				X										X						
ARP	4401482241	EB-10-20160523	440-148224-9	EB	2016-05-23	Water	Stage 4				X										X						
ARP	4401482281	M-95-20160512	440-148228-1		2016-05-12	Water	Stage 4								X												
ARP	4401482281	EB-6-20160512	440-148228-2	EB	2016-05-12	Water	Stage 2B								X												
ARP	4401482331	M-37-20160523	440-148233-1		2016-05-23	Water	Stage 2B								X												
ARP	4401482331	DUP-8-20160523	440-148233-2		2016-05-23	Water	Stage 2B								X												
ARP	4401482331	EB-10-20160523	440-148233-3	EB	2016-05-23	Water	Stage 2B								X												
ARP	4401482331	DUP-7-20160523	440-148233-4		2016-05-23	Water	Stage 2B								X												
ARP	4401482331	M-38-20160523	440-148233-5		2016-05-23	Water	Stage 2B								X												
ARP	4401482331	FB-20160523	440-148233-6	FB	2016-05-23	Water	Stage 2B								X												
ARP	4401483581	M-57A-20160524	440-148358-1		2016-05-24	Water	Stage 4				X										X						
ARP	4401483581	M-68-20160524	440-148358-10		2016-05-24	Water	Stage 4				X										X						
ARP	4401483581	I-AC-20160524	440-148358-11		2016-05-24	Water	Stage 4				X										X						
ARP	4401483581	I-K-20160524	440-148358-12		2016-05-24	Water	Stage 4				X										X						
ARP	4401483581	M-74-20160524	440-148358-13		2016-05-24	Water	Stage 4				X										X						
ARP	4401483581	I-J-20160524	440-148358-14		2016-05-24	Water	Stage 4				X										X						
ARP	4401483581	I-Z-20160524	440-148358-15		2016-05-24	Water	Stage 4				X										X						
ARP	4401483581	I-I-20160524	440-148358-16		2016-05-24	Water	Stage 4				X										X						
ARP	4401483581	M-67-20160524	440-148358-17		2016-05-24	Water	Stage 4				X										X						

Table I. Sample Cross Reference

Sampling Event	SDG	Client ID	Lab ID	QC Type	Sample Date	Matrix	Validation Level	VOC (8260B)	1,2,3-Trichloropropane & 1,4-Dioxane (SW8260BSIM)	Total Metals (200.7/200.8)	Chromium (200.7)	Dissolved Metals (200.7)	Dissolved Metals (200.7/200.8)	Dissolved Mercury (7470A)	CrVI (218.6)	Anions (300.0)	NO_3-N/NO_3-NO_3 (300.0) SSAL	NO_3-NO_2 as N (Calc)	TIN (Calc)	Chlorate (300.1B)	Perchlorate (314.0)	NH_3 as N (350.1)	TKN (351.2)	Phophorus (365.3)	Recoverable Phenolics (420.1)	HEM (1664A)	Alkalinity (2320B)
ARP	4401483581	M-73-20160524	440-148358-18		2016-05-24	Water	Stage 4				X										X						
ARP	4401483581	EB-9-20160524	440-148358-19	EB	2016-05-24	Water	Stage 4				X										X						
ARP	4401483581	M-131-20160524	440-148358-2		2016-05-24	Water	Stage 4				X										X						
ARP	4401483581	I-V-20160524	440-148358-20		2016-05-24	Water	Stage 4				X										X						
ARP	4401483581	M-83-20160524	440-148358-21		2016-05-24	Water	Stage 4				X										X						
ARP	4401483581	M-80-20160524	440-148358-22		2016-05-24	Water	Stage 4				X										X						
ARP	4401483581	M-81A-20160524	440-148358-23		2016-05-24	Water	Stage 4				X										X						
ARP	4401483581	FB-2-20160524	440-148358-24	FB	2016-05-24	Water	Stage 4				X										X						
ARP	4401483581	M-70-20160524	440-148358-25		2016-05-24	Water	Stage 4				X										X						
ARP	4401483581	M-71-20160524	440-148358-26		2016-05-24	Water	Stage 4				X										X						
ARP	4401483581	M-72-20160524	440-148358-27		2016-05-24	Water	Stage 4				X										X						
ARP	4401483581	M-115-20160524	440-148358-3		2016-05-24	Water	Stage 4				X										X						
ARP	4401483581	M-76-20160524	440-148358-4		2016-05-24	Water	Stage 4				X										X						
ARP	4401483581	M-2A-20160524	440-148358-5		2016-05-24	Water	Stage 4				X										X						
ARP	4401483581	M-35-20160524	440-148358-6		2016-05-24	Water	Stage 4				X										X						
ARP	4401483581	DUP-9-20160524	440-148358-7		2016-05-24	Water	Stage 4				X										X						
ARP	4401483581	M-19-20160524	440-148358-8		2016-05-24	Water	Stage 4				X										X						
ARP	4401483581	I-AD-20160524	440-148358-9		2016-05-24	Water	Stage 4				X										X						
ARP	4401484731	M-123-20160525	440-148473-1		2016-05-25	Water	Stage 2B				X										X						
ARP	4401484731	EB-12-20160525	440-148473-10	EB	2016-05-25	Water	Stage 2B				X										X						
ARP	4401484731	M-137-20160525	440-148473-11		2016-05-25	Water	Stage 2B				X										X						
ARP	4401484731	M-138-20160525	440-148473-12		2016-05-25	Water	Stage 2B				X										X						
ARP	4401484731	M-128-20160525	440-148473-13		2016-05-25	Water	Stage 2B				X										X						
ARP	4401484731	M-124-20160525	440-148473-14		2016-05-25	Water	Stage 2B				X										X						
ARP	4401484731	DUP-11-20160525	440-148473-2		2016-05-25	Water	Stage 2B				X										X						
ARP	4401484731	M-132-20160525	440-148473-3		2016-05-25	Water	Stage 2B				X										X						
ARP	4401484731	M-133-20160525	440-148473-4		2016-05-25	Water	Stage 2B				X										X						
ARP	4401484731	M-33-20160525	440-148473-5		2016-05-25	Water	Stage 2B				X										X						
ARP	4401484731	M-32-20160525	440-148473-6		2016-05-25	Water	Stage 2B				X										X						
ARP	4401484731	M-77-20160525	440-148473-7		2016-05-25	Water	Stage 2B				X										X						
ARP	4401484731	M-52-20160525	440-148473-8		2016-05-25	Water	Stage 2B				X										X						
ARP	4401484731	M-21-20160525	440-148473-9		2016-05-25	Water	Stage 2B				X										X						
ARP	4401485631	M-125-20160526	440-148563-1		2016-05-26	Water	Stage 2B				X										X						
ARP	4401485631	M-12A-20160526	440-148563-2		2016-05-26	Water	Stage 2B				X					X				X	X						
ARP	4401485631	DUP-12-20160526	440-148563-3		2016-05-26	Water	Stage 2B				X					X				X	X						
ARP	4401485631	M-13-20160526	440-148563-4		2016-05-26	Water	Stage 2B				X									X	X						
ARP	4401485631	DUP-11B-20160526	440-148563-5		2016-05-26	Water	Stage 2B				X									X	X						
ARP	4401485631	M-11-20160526	440-148563-6		2016-05-26	Water	Stage 2B				X					X				X	X						
ARP	4401485631	M-31A-20160526	440-148563-7		2016-05-26	Water	Stage 2B				X										X						
ARP	4401485631	EB-13-20160526	440-148563-8	EB	2016-05-26	Water	Stage 2B				X										X						

Table I. Sample Cross Reference

Sampling Event	SDG	Client ID	Lab ID	QC Type	Sample Date	Matrix	Validation Level	VOC (8260B)	1,2,3-Trichloropropane & 1,4-Dioxane (SW8260BSIM)	Total Metals (200.7/200.8)	Chromium (200.7)	Dissolved Metals (200.7)	Dissolved Metals (200.7/200.8)	Dissolved Mercury (7470A)	CrVI (218.6)	Anions (300.0)	NO_3-N/NO_3-NO_3 (300.0) SSAL	NO_3-NO_2 as N (Calc)	TIN (Calc)	Chlorate (300.1B)	Perchlorate (314.0)	NH_3 as N (350.1)	TKN (351.2)	Phophorus (365.3)	Recoverable Phenolics (420.1)	HEM (1664A)	Alkalinity (2320B)
ARP	4401485631	M-145-20160526	440-148563-9		2016-05-26	Water	Stage 2B				X										X						
ARP	4401486041	MW-16-20160527	440-148604-1		2016-05-27	Water	Stage 2B				X										X						
ARP	4401486041	M-146-20160527	440-148604-2		2016-05-27	Water	Stage 2B				X										X						
ARP	4401486041	M-144-20160527	440-148604-3		2016-05-27	Water	Stage 2B				X										X						
ARP	4401486041	M-75-20160527	440-148604-4		2016-05-27	Water	Stage 2B				X										X						
ARP	4401486041	PC-91-20160527	440-148604-5		2016-05-27	Water	Stage 2B									X				X							
ARP	4401486041	PC-90-20160527	440-148604-6		2016-05-27	Water	Stage 2B									X				X							
ARP	4401486041	PC-86-20160527	440-148604-7		2016-05-27	Water	Stage 2B									X				X							
ARP	4401486071	H-28A-20160527	440-148607-1		2016-05-27	Water	Stage 2B			X	X					X					X			X			
ARP	4401486071	M-6A-20160527	440-148607-2		2016-05-27	Water	Stage 2B			X	X					X					X			X			
ARP	4401486071	M-5A-20160527	440-148607-3		2016-05-27	Water	Stage 2B			X	X					X					X			X			
ARP	4401486201	M-12A-20160526	440-148620-1		2016-05-26	Water	Stage 2B								X												
ARP	4401486201	DUP-11B-20160526	440-148620-2		2016-05-26	Water	Stage 2B								X												
ARP	4401486201	M-11-20160526	440-148620-3		2016-05-26	Water	Stage 2B								X												
ARP	4401486201	EB-13-20160526	440-148620-4	EB	2016-05-26	Water	Stage 2B								X												
ARP	4401486201	DUP-12-20160526	440-148620-5		2016-05-26	Water	Stage 2B								X												
ARP	4401486221	EB-12-20160525	440-148622-1	EB	2016-05-25	Water	Stage 2B								X												
ARP	4401487351	M-80-20160531	440-148735-1		2016-05-31	Water	Stage 2B								X												
ARP	4401487921	M-7B-20160531	440-148792-1		2016-05-31	Water	Stage 4			X	X					X					X			X			
ARP	4401488391	PC-103-20160531	440-148839-1		2016-05-31	Water	Stage 2B									X				X							
ARP	4401488391	M-148A-20160531	440-148839-2		2016-05-31	Water	Stage 2B				X										X						
ARP	4401488391	EB-20-20160531	440-148839-3	EB	2016-05-31	Water	Stage 2B				X										X						
ARP	4401488391	M-142-20160531	440-148839-4		2016-05-31	Water	Stage 2B				X										X						
ARP	4401488391	M-126-20160531	440-148839-5		2016-05-31	Water	Stage 2B				X										X						
ARP	4401491221	M-129-20160603	440-149122-1		2016-06-03	Water	Stage 2B				X										X						
ARP	4401491221	M-130-20160603	440-149122-2		2016-06-03	Water	Stage 2B				X										X						
ARP	4401491221	M-140-20160603	440-149122-3		2016-06-03	Water	Stage 2B				X										X						
ARP	4401494311	M-10-20160607	440-149431-1		2016-06-07	Water	Stage 4			X	X				X	X		X	X	X	X	X					
ARP	4401495401	M-139-20160607	440-149540-1		2016-06-07	Water	Stage 2B				X										X						
ARP	4401496411	PC-58-20160608	440-149641-1		2016-06-08	Water	Stage 2B														X						
ARP	4401496411	PC-97-20160608	440-149641-10		2016-06-08	Water	Stage 2B														X						
ARP	4401496411	M-83-20160608	440-149641-11		2016-06-08	Water	Stage 2B														X						
ARP	4401496411	PC-56-20160608	440-149641-2		2016-06-08	Water	Stage 2B														X						
ARP	4401496411	PC-60-20160608	440-149641-3		2016-06-08	Water	Stage 2B														X						
ARP	4401496411	PC-59-20160608	440-149641-4		2016-06-08	Water	Stage 2B														X						
ARP	4401496411	PC-62-20160608	440-149641-5		2016-06-08	Water	Stage 2B														X						
ARP	4401496411	PC-68-20160608	440-149641-6		2016-06-08	Water	Stage 2B														X						
ARP	4401496411	PC-86-20160608	440-149641-7		2016-06-08	Water	Stage 2B														X						
ARP	4401496411	PC-91-20160608	440-149641-8		2016-06-08	Water	Stage 2B														X						
ARP	4401496411	PC-90-20160608	440-149641-9		2016-06-08	Water	Stage 2B														X						

Table I. Sample Cross Reference

Sampling Event	SDG	Client ID	Lab ID	QC Type	Sample Date	Matrix	Validation Level	VOC (8260B)	1,2,3-Trichloropropane & 1,4-Dioxane (SW8260BSIM)	Total Metals (200.7/200.8)	Chromium (200.7)	Dissolved Metals (200.7)	Dissolved Metals (200.7/200.8)	Dissolved Mercury (7470A)	CrVI (218.6)	Anions (300.0)	NO_3-N/NO_3-NO_3 (300.0) SSAL	NO_3-NO_2 as N (Calc)	TIN (Calc)	Chlorate (300.1B)	Perchlorate (314.0)	NH_3 as N (350.1)	TKN (351.2)	Phophorus (365.3)	Recoverable Phenolics (420.1)	HEM (1664A)	Alkalinity (2320B)
ARP	4401496751	I-V-20160608	440-149675-1		2016-06-08	Water	Stage 2B				X										X						
ARP	4401496751	I-I-20160608	440-149675-2		2016-06-08	Water	Stage 2B				X										X						
ARP	4401496751	I-Z-20160608	440-149675-3		2016-06-08	Water	Stage 2B				X										X						
ARP	4401496751	I-K-20160608	440-149675-4		2016-06-08	Water	Stage 2B				X										X						
ARP	4401496751	I-J-20160608	440-149675-5		2016-06-08	Water	Stage 2B				X										X						
ARP	4401496751	I-AC-20160608	440-149675-6		2016-06-08	Water	Stage 2B				X										X						
ARP	4401496751	I-AD-20160608	440-149675-7		2016-06-08	Water	Stage 2B				X										X						
ARP	4401496821	I-V-20160608	440-149682-1		2016-06-08	Water	Stage 2B								X												
ARP	4401496821	I-I-20160608	440-149682-2		2016-06-08	Water	Stage 2B								X												
ARP	4401496821	I-Z-20160608	440-149682-3		2016-06-08	Water	Stage 2B								X												
ARP	4401496821	I-K-20160608	440-149682-4		2016-06-08	Water	Stage 2B								X												
ARP	4401496821	I-J-20160608	440-149682-5		2016-06-08	Water	Stage 2B								X												
ARP	4401496821	I-AC-20160608	440-149682-6		2016-06-08	Water	Stage 2B								X												
ARP	4401496821	I-AD-20160608	440-149682-7		2016-06-08	Water	Stage 2B								X												
ARP	4401497771	ART-1A-20160609	440-149777-1		2016-06-09	Water	Stage 2B				X										X						
ARP	4401497771	ART-2-20160609	440-149777-2		2016-06-09	Water	Stage 2B				X										X						
ARP	4401497771	ART-3A-20160609	440-149777-3		2016-06-09	Water	Stage 2B				X										X						
ARP	4401497771	ART-4-20160609	440-149777-4		2016-06-09	Water	Stage 2B				X										X						
ARP	4401497771	ART-7B-20160609	440-149777-5		2016-06-09	Water	Stage 2B				X										X						
ARP	4401497771	ART-8A-20160609	440-149777-6		2016-06-09	Water	Stage 2B				X										X						
ARP	4401497771	ART-9-20160609	440-149777-7		2016-06-09	Water	Stage 2B				X										X						
ARP	4401497771	PC-150-20160609	440-149777-8		2016-06-09	Water	Stage 2B				X										X						
ARP	4401497831	PC-18-20160609	440-149783-1		2016-06-09	Water	Stage 2B														X						
ARP	4401497831	PC-55-20160609	440-149783-2		2016-06-09	Water	Stage 2B														X						
ARP	4401497831	ARP-1-20160609	440-149783-3		2016-06-09	Water	Stage 2B														X						
ARP	4401497831	PC-103-20160609	440-149783-4		2016-06-09	Water	Stage 2B														X						
ARP	4401497831	PC-98R-20160609	440-149783-5		2016-06-09	Water	Stage 2B														X						
ARP	4401497921	ART-1A-20160609	440-149792-1		2016-06-09	Water	Stage 2B								X												
ARP	4401497921	ART-2-20160609	440-149792-2		2016-06-09	Water	Stage 2B								X												
ARP	4401497921	ART-3A-20160609	440-149792-3		2016-06-09	Water	Stage 2B								X												
ARP	4401497921	ART-4-20160609	440-149792-4		2016-06-09	Water	Stage 2B								X												
ARP	4401497921	ART-7B-20160609	440-149792-5		2016-06-09	Water	Stage 2B								X												
ARP	4401497921	ART-8A-20160609	440-149792-6		2016-06-09	Water	Stage 2B								X												
ARP	4401497921	ART-9-20160609	440-149792-7		2016-06-09	Water	Stage 2B								X												
ARP	4401497921	PC-150-20160609	440-149792-8		2016-06-09	Water	Stage 2B								X												
ARP	4401499171	PC-99R2/R3-20160613	440-149917-1		2016-06-13	Water	Stage 2B				X				X						X						
ARP	4401499171	PC-115R-20160613	440-149917-2		2016-06-13	Water	Stage 2B				X				X						X						
ARP	4401499171	PC-116R-20160613	440-149917-3		2016-06-13	Water	Stage 2B				X				X						X						
ARP	4401499171	PC-117-20160613	440-149917-4		2016-06-13	Water	Stage 2B				X				X						X						
ARP	4401499171	PC-118-20160613	440-149917-5		2016-06-13	Water	Stage 2B				X				X						X						

Table I. Sample Cross Reference

Sampling Event	SDG	Client ID	Lab ID	QC Type	Sample Date	Matrix	Validation Level	VOC (8260B)	1,2,3-Trichloropropane & 1,4-Dioxane (SW8260BSIM)	Total Metals (200.7/200.8)	Chromium (200.7)	Dissolved Metals (200.7)	Dissolved Metals (200.7/200.8)	Dissolved Mercury (7470A)	CrVI (218.6)	Anions (300.0)	NO_3-N/NO_3-NO_3 (300.0) SSAL	NO_3-NO_2 as N (Calc)	TIN (Calc)	Chlorate (300.1B)	Perchlorate (314.0)	NH_3 as N (350.1)	TKN (351.2)	Phophorus (365.3)	Recoverable Phenolics (420.1)	HEM (1664A)	Alkalinity (2320B)
ARP	4401499171	PC-119-20160613	440-149917-6		2016-06-13	Water	Stage 2B				X				X						X						
ARP	4401499171	PC-120-20160613	440-149917-7		2016-06-13	Water	Stage 2B				X				X						X						
ARP	4401499171	PC-133-20160613	440-149917-8		2016-06-13	Water	Stage 2B				X				X						X						
ARP	4401499171	PC-121-20160613	440-149917-9		2016-06-13	Water	Stage 2B				X				X						X						
Q2S	4401499641	M-161D-TB-20160613	440-149964-1	TB	2016-06-13	Water	Stage 2B	X	X																		
Q2S	4401499641	M-161D-20160613	440-149964-2		2016-06-13	Water	Stage 2B	X	X			X								X	X						
Q2S	4401499641	PC-153-20160613	440-149964-3		2016-06-13	Water	Stage 2B	X	X			X								X	X						
Q2S	4401499641	M-162D-20160613	440-149964-4		2016-06-13	Water	Stage 2B	X	X			X								X	X						
Q2S	4401499641	PC-152-20160613	440-149964-5		2016-06-13	Water	Stage 2B	X	X			X								X	X						
Q2S	4401499641	PC-151-20160613	440-149964-6		2016-06-13	Water	Stage 2B	X	X			X								X	X						
ARP	4401499681	ART-6-20160613	440-149968-1		2016-06-13	Water	Stage 2B								X												
ARP	4401499691	PC-53-20160613	440-149969-1		2016-06-13	Water	Stage 2B														X						
ARP	4401499691	PC-101R-20160613	440-149969-10		2016-06-13	Water	Stage 2B														X						
ARP	4401499691	ARP-3A-20160613	440-149969-11		2016-06-13	Water	Stage 2B														X						
ARP	4401499691	MEB-1-20160613	440-149969-12	EB	2016-06-13	Water	Stage 2B														X						
ARP	4401499691	ARP-2A-20160613	440-149969-13		2016-06-13	Water	Stage 2B														X						
ARP	4401499691	MW-K5-20160613	440-149969-2		2016-06-13	Water	Stage 2B														X						
ARP	4401499691	ART-6-20160613	440-149969-3		2016-06-13	Water	Stage 2B				X										X						
ARP	4401499691	PC-122-20160613	440-149969-4		2016-06-13	Water	Stage 2B														X						
ARP	4401499691	ARP-7-20160613	440-149969-5		2016-06-13	Water	Stage 2B														X						
ARP	4401499691	ARP-6B-20160613	440-149969-6		2016-06-13	Water	Stage 2B														X						
ARP	4401499691	ARP-5A-20160613	440-149969-7		2016-06-13	Water	Stage 2B														X						
ARP	4401499691	ARP-4A-20160613	440-149969-8		2016-06-13	Water	Stage 2B														X						
ARP	4401499691	MW-K4-20160613	440-149969-9		2016-06-13	Water	Stage 2B														X						
ARP	4401499711	I-O-20160613	440-149971-1		2016-06-13	Water	Stage 2B								X												
ARP	4401499711	I-N-20160613	440-149971-10		2016-06-13	Water	Stage 2B								X												
ARP	4401499711	I-X-20160613	440-149971-11		2016-06-13	Water	Stage 2B								X												
ARP	4401499711	I-E-20160613	440-149971-12		2016-06-13	Water	Stage 2B								X												
ARP	4401499711	I-M-20160613	440-149971-13		2016-06-13	Water	Stage 2B								X												
ARP	4401499711	I-D-20160613	440-149971-14		2016-06-13	Water	Stage 2B								X												
ARP	4401499711	I-C-20160613	440-149971-15		2016-06-13	Water	Stage 2B								X												
ARP	4401499711	I-S-20160613	440-149971-16		2016-06-13	Water	Stage 2B								X												
ARP	4401499711	I-L-20160613	440-149971-17		2016-06-13	Water	Stage 2B								X												
ARP	4401499711	I-Y-20160613	440-149971-18		2016-06-13	Water	Stage 2B								X												
ARP	4401499711	I-R-20160613	440-149971-19		2016-06-13	Water	Stage 2B								X												
ARP	4401499711	I-W-20160613	440-149971-2		2016-06-13	Water	Stage 2B								X												
ARP	4401499711	I-B-20160613	440-149971-20		2016-06-13	Water	Stage 2B								X												
ARP	4401499711	I-AB-20160613	440-149971-21		2016-06-13	Water	Stage 2B								X												
ARP	4401499711	I-AA-20160613	440-149971-22		2016-06-13	Water	Stage 2B								X												
ARP	4401499711	I-AR-20160613	440-149971-23		2016-06-13	Water	Stage 2B								X												

Table I. Sample Cross Reference

Sampling Event	SDG	Client ID	Lab ID	QC Type	Sample Date	Matrix	Validation Level	VOC (8260B)	1,2,3-Trichloropropane & 1,4-Dioxane (SW8260BSIM)	Total Metals (200.7/200.8)	Chromium (200.7)	Dissolved Metals (200.7)	Dissolved Metals (200.7/200.8)	Dissolved Mercury (7470A)	CrVI (218.6)	Anions (300.0)	NO_3-N/NO_3-NO_3 (300.0) SSAL	NO_3-NO_2 as N (Calc)	TIN (Calc)	Chlorate (300.1B)	Perchlorate (314.0)	NH_3 as N (350.1)	TKN (351.2)	Phophorus (365.3)	Recoverable Phenolics (420.1)	HEM (1664A)	Alkalinity (2320B)
ARP	4401499711	I-P-20160613	440-149971-3		2016-06-13	Water	Stage 2B								X												
ARP	4401499711	I-H-20160613	440-149971-4		2016-06-13	Water	Stage 2B								X												
ARP	4401499711	I-U-20160613	440-149971-5		2016-06-13	Water	Stage 2B								X												
ARP	4401499711	I-T-20160613	440-149971-6		2016-06-13	Water	Stage 2B								X												
ARP	4401499711	I-G-20160613	440-149971-7		2016-06-13	Water	Stage 2B								X												
ARP	4401499711	I-Q-20160613	440-149971-8		2016-06-13	Water	Stage 2B								X												
ARP	4401499711	I-F-20160613	440-149971-9		2016-06-13	Water	Stage 2B								X												
ARP	4401499851	MW-K5-20160613	440-149985-1		2016-06-13	Water	Stage 2B									X				X							
ARP	4401499901	I-O-20160613	440-149990-1		2016-06-13	Water	Stage 2B				X										X						
ARP	4401499901	I-X-20160613	440-149990-10		2016-06-13	Water	Stage 2B				X										X						
ARP	4401499901	I-N-20160613	440-149990-11		2016-06-13	Water	Stage 2B				X										X						
ARP	4401499901	I-E-20160613	440-149990-12		2016-06-13	Water	Stage 2B				X										X						
ARP	4401499901	I-M-20160613	440-149990-13		2016-06-13	Water	Stage 2B				X										X						
ARP	4401499901	I-D-20160613	440-149990-14		2016-06-13	Water	Stage 2B				X										X						
ARP	4401499901	I-C-20160613	440-149990-15		2016-06-13	Water	Stage 2B				X										X						
ARP	4401499901	I-S-20160613	440-149990-16		2016-06-13	Water	Stage 2B				X										X						
ARP	4401499901	I-L-20160613	440-149990-17		2016-06-13	Water	Stage 2B				X										X						
ARP	4401499901	I-Y-20160613	440-149990-18		2016-06-13	Water	Stage 2B				X										X						
ARP	4401499901	I-R-20160613	440-149990-19		2016-06-13	Water	Stage 2B				X										X						
ARP	4401499901	I-W-20160613	440-149990-2		2016-06-13	Water	Stage 2B				X										X						
ARP	4401499901	I-B-20160613	440-149990-20		2016-06-13	Water	Stage 2B				X										X						
ARP	4401499901	I-AB-20160613	440-149990-21		2016-06-13	Water	Stage 2B				X										X						
ARP	4401499901	I-AA-20160613	440-149990-22		2016-06-13	Water	Stage 2B				X										X						
ARP	4401499901	I-AR-20160613	440-149990-23		2016-06-13	Water	Stage 2B				X										X						
ARP	4401499901	I-P-20160613	440-149990-3		2016-06-13	Water	Stage 2B				X										X						
ARP	4401499901	I-H-20160613	440-149990-4		2016-06-13	Water	Stage 2B				X										X						
ARP	4401499901	I-U-20160613	440-149990-5		2016-06-13	Water	Stage 2B				X										X						
ARP	4401499901	I-T-20160613	440-149990-6		2016-06-13	Water	Stage 2B				X										X						
ARP	4401499901	I-G-20160613	440-149990-7		2016-06-13	Water	Stage 2B				X										X						
ARP	4401499901	I-Q-20160613	440-149990-8		2016-06-13	Water	Stage 2B				X										X						
ARP	4401499901	I-F-20160613	440-149990-9		2016-06-13	Water	Stage 2B				X										X						
Q2S	4401501181	PC-158-TB-20160614	440-150118-1	TB	2016-06-14	Water	Stage 2B	X	X																		
Q2S	4401501181	M-186D-20160614	440-150118-10	FD9	2016-06-14	Water	Stage 2B	X	X			X								X	X						
Q2S	4401501181	M-186D-20160614-FD	440-150118-11	FD9	2016-06-14	Water	Stage 2B	X	X			X								X	X						
Q2S	4401501181	M-148A-20160614	440-150118-12		2016-06-14	Water	Stage 2B	X	X			X								X	X						
Q2S	4401501181	PC-158-20160614	440-150118-2		2016-06-14	Water	Stage 2B	X	X			X								X	X						
Q2S	4401501181	PC-154-20160614	440-150118-3		2016-06-14	Water	Stage 2B	X	X			X								X	X						
Q2S	4401501181	PC-157A-20160614	440-150118-4	FD10	2016-06-14	Water	Stage 4	X	X			X								X	X						
Q2S	4401501181	PC-157A-20160614-FD	440-150118-5	FD10	2016-06-14	Water	Stage 4	X	X			X								X	X						
Q2S	4401501181	PC-157B-20160614	440-150118-6		2016-06-14	Water	Stage 2B	X	X			X								X	X						

Table I. Sample Cross Reference

Sampling Event	SDG	Client ID	Lab ID	QC Type	Sample Date	Matrix	Validation Level	VOC (8260B)	1,2,3-Trichloropropane & 1,4-Dioxane (SW8260BSIM)	Total Metals (200.7/200.8)	Chromium (200.7)	Dissolved Metals (200.7)	Dissolved Metals (200.7/200.8)	Dissolved Mercury (7470A)	CrVI (218.6)	Anions (300.0)	NO_3-N/NO_3-NO_3 (300.0) SSAL	NO_3-NO_2 as N (Calc)	TIN (Calc)	Chlorate (300.1B)	Perchlorate (314.0)	NH_3 as N (350.1)	TKN (351.2)	Phophorus (365.3)	Recoverable Phenolics (420.1)	HEM (1664A)	Alkalinity (2320B)
Q2S	4401501181	PC-156B-20160614	440-150118-7		2016-06-14	Water	Stage 2B	X	X			X								X	X						
Q2S	4401501181	PC-156B-FB-20160614	440-150118-8	FB	2016-06-14	Water	Stage 2B	X	X			X								X	X						
Q2S	4401501181	PC-156A-20160614	440-150118-9		2016-06-14	Water	Stage 2B	X	X			X								X	X						
Q2S	4401502691	M-145-20160615-TB	440-150269-1	TB	2016-06-15	Water	Stage 2B	X	X																		
Q2S	4401502691	PC-137D-20160615-EB	440-150269-10	EB	2016-06-15	Water	Stage 2B	X	X			X								X	X						
Q2S	4401502691	M-191-20160615	440-150269-11		2016-06-15	Water	Stage 2B	X	X			X								X	X						
Q2S	4401502691	PC-137D-20160615	440-150269-12		2016-06-15	Water	Stage 2B	X	X			X								X	X						
Q2S	4401502691	M-145-20160615-FB	440-150269-13	FB	2016-06-15	Water	Stage 2B	X	X			X								X	X						
Q2S	4401502691	M-145-20160615	440-150269-2		2016-06-15	Water	Stage 2B	X	X			X								X	X						
Q2S	4401502691	PC-155A-20160615	440-150269-3		2016-06-15	Water	Stage 2B	X	X			X								X	X						
Q2S	4401502691	M-186-20160615	440-150269-4		2016-06-15	Water	Stage 2B	X	X			X								X	X						
Q2S	4401502691	PC-155B-20160615	440-150269-5		2016-06-15	Water	Stage 2B	X	X			X								X	X						
Q2S	4401502691	M-193-20160615	440-150269-6		2016-06-15	Water	Stage 2B	X	X			X								X	X						
Q2S	4401502691	M-190-20160615	440-150269-7		2016-06-15	Water	Stage 2B	X	X			X								X	X						
Q2S	4401502691	M-190-20160615-EB	440-150269-8	EB	2016-06-15	Water	Stage 2B	X	X			X								X	X						
Q2S	4401502691	PC-134D-20160615	440-150269-9		2016-06-15	Water	Stage 2B	X	X			X								X	X						
Q2S	4401503921	PC-160-20160616	440-150392-1	FD11	2016-06-16	Water	Stage 2B	X	X			X								X	X						
Q2S	4401503921	PC-160-20160616-FD	440-150392-2	FD11	2016-06-16	Water	Stage 2B	X	X			X								X	X						
Q2S	4401503921	M-189-TB-20160616	440-150392-3	TB	2016-06-16	Water	Stage 2B	X	X																		
Q2S	4401503921	M-189-20160616	440-150392-4		2016-06-16	Water	Stage 4	X	X			X								X	X						
Q2S	4401503921	M-192-20160616	440-150392-5		2016-06-16	Water	Stage 2B	X	X			X								X	X						
Q2S	4401503921	PC-159-20160616	440-150392-6		2016-06-16	Water	Stage 2B	X	X			X								X	X						
Q2S	4401503921	M-19-20160616	440-150392-7		2016-06-16	Water	Stage 4	X	X			X								X	X						
ARP	4401503991	I-AD-20160524	440-150399-1		2016-05-24	Water	Stage 2B								X												
ARP	4401503991	I-AC-20160524	440-150399-2		2016-05-24	Water	Stage 2B								X												
ARP	4401503991	I-K-20160524	440-150399-3		2016-05-24	Water	Stage 2B								X												
ARP	4401503991	I-J-20160524	440-150399-4		2016-05-24	Water	Stage 2B								X												
ARP	4401503991	I-Z-20160524	440-150399-5		2016-05-24	Water	Stage 2B								X												
ARP	4401503991	I-I-20160524	440-150399-6		2016-05-24	Water	Stage 2B								X												
ARP	4401503991	EB-9-20160524	440-150399-7	EB	2016-05-24	Water	Stage 2B								X												
ARP	4401503991	I-V-20160524	440-150399-8		2016-05-24	Water	Stage 2B								X												
ARP	4401503991	FB-2-20160524	440-150399-9	FB	2016-05-24	Water	Stage 2B								X												
IX	4401504021	PC-118-20160617	440-150402-1		2016-06-17	Water	Stage 4			X						X				X	X						X
IX	4401504021	PC-119-20160617	440-150402-2		2016-06-17	Water	Stage 2B			X						X				X	X						X
IX	4401504021	PC-120-20160617	440-150402-3		2016-06-17	Water	Stage 2B			X						X				X	X						X
IX	4401504021	PC-121-20160617	440-150402-4		2016-06-17	Water	Stage 2B			X						X				X	X						X
IX	4401504021	PC-133-20160617	440-150402-5		2016-06-17	Water	Stage 2B			X						X				X	X						X
ARP	4401509621	M-141-20160623	440-150962-1		2016-06-23	Water	Stage 2B				X										X						

Table I. Sample Cross Reference

Sampling Event	SDG	Client ID	Lab ID	QC Type	Sample Date	Matrix	Validation Level	Specific Conductivity (2510B)	TDS (2540C)	TSS (2540D)	NH_3 as N (4500-NH3D)	BOD (5210B)	DOC (5310B)	TOC (5310C)	TOX (9020B)	Sulfide (9034)	pH (9040C)	pH (WPH)
ARP	4401331051	ART-1-20160105	440-133105-1		2016-01-05	Water	Stage 2B											
ARP	4401331051	PC-116R-20160105	440-133105-10		2016-01-05	Water	Stage 2B											
ARP	4401331051	PC-117-20160105	440-133105-11		2016-01-05	Water	Stage 2B											
ARP	4401331051	PC-118-20160105	440-133105-12		2016-01-05	Water	Stage 2B											
ARP	4401331051	PC-119-20160105	440-133105-13		2016-01-05	Water	Stage 2B											
ARP	4401331051	PC-120-20160105	440-133105-14		2016-01-05	Water	Stage 2B											
ARP	4401331051	PC-121-20160105	440-133105-15		2016-01-05	Water	Stage 2B											
ARP	4401331051	PC-133-20160105	440-133105-16		2016-01-05	Water	Stage 2B											
ARP	4401331051	PC-150-20160105	440-133105-17		2016-01-05	Water	Stage 2B											
ARP	4401331051	ART-2-20160105	440-133105-2		2016-01-05	Water	Stage 2B											
ARP	4401331051	ART-3A-20160105	440-133105-3		2016-01-05	Water	Stage 2B											
ARP	4401331051	ART-4-20160105	440-133105-4		2016-01-05	Water	Stage 2B											
ARP	4401331051	ART-7A-20160105	440-133105-5		2016-01-05	Water	Stage 2B											
ARP	4401331051	ART-8A-20160105	440-133105-6		2016-01-05	Water	Stage 2B											
ARP	4401331051	ART-9-20160105	440-133105-7		2016-01-05	Water	Stage 2B											
ARP	4401331051	PC-99R2/R3-20160105	440-133105-8		2016-01-05	Water	Stage 2B											
ARP	4401331051	PC-115R-20160105	440-133105-9		2016-01-05	Water	Stage 2B											
ARP	4401332951	ART-1-20160105	440-133295-1		2016-01-05	Water	Stage 2B		X									X
ARP	4401332951	PC-116R-20160105	440-133295-10		2016-01-05	Water	Stage 2B		X									X
ARP	4401332951	PC-117-20160105	440-133295-11		2016-01-05	Water	Stage 2B		X									X
ARP	4401332951	PC-118-20160105	440-133295-12		2016-01-05	Water	Stage 2B		X									X
ARP	4401332951	PC-119-20160105	440-133295-13		2016-01-05	Water	Stage 2B		X									X
ARP	4401332951	PC-120-20160105	440-133295-14		2016-01-05	Water	Stage 2B		X									X
ARP	4401332951	PC-121-20160105	440-133295-15		2016-01-05	Water	Stage 2B		X									X
ARP	4401332951	PC-133-20160105	440-133295-16		2016-01-05	Water	Stage 2B		X									X
ARP	4401332951	PC-150-20160105	440-133295-17		2016-01-05	Water	Stage 2B		X									X
ARP	4401332951	ART-2-20160105	440-133295-2		2016-01-05	Water	Stage 2B		X									X
ARP	4401332951	ART-3A-20160105	440-133295-3		2016-01-05	Water	Stage 2B		X									X
ARP	4401332951	ART-4-20160105	440-133295-4		2016-01-05	Water	Stage 2B		X									X
ARP	4401332951	ART-7A-20160105	440-133295-5		2016-01-05	Water	Stage 2B		X									X
ARP	4401332951	ART-8A-20160105	440-133295-6		2016-01-05	Water	Stage 2B		X									X
ARP	4401332951	ART-9-20160105	440-133295-7		2016-01-05	Water	Stage 2B		X									X
ARP	4401332951	PC-99R2/R3-20160105	440-133295-8		2016-01-05	Water	Stage 2B		X									X
ARP	4401332951	PC-115R-20160105	440-133295-9		2016-01-05	Water	Stage 2B		X									X
ARP	4401348021	M-83-20160112	440-134802-1		2016-01-12	Water	Stage 4											
ARP	4401348021	PC-97-20160112	440-134802-2		2016-01-12	Water	Stage 4											
ARP	4401348021	PC-90-20160112	440-134802-3		2016-01-12	Water	Stage 4											
ARP	4401348021	PC-91-20160112	440-134802-4		2016-01-12	Water	Stage 4											
ARP	4401348021	PC-58-20160112	440-134802-5		2016-01-12	Water	Stage 4											
ARP	4401348021	PC-56-20160112	440-134802-6		2016-01-12	Water	Stage 4											

Table I. Sample Cross Reference

Sampling Event	SDG	Client ID	Lab ID	QC Type	Sample Date	Matrix	Validation Level	Specific Conductivity (2510B)	TDS (2540C)	TSS (2540D)	NH_3 as N (4500-NH3D)	BOD (5210B)	DOC (5310B)	TOC (5310C)	TOX (9020B)	Sulfide (9034)	pH (9040C)	pH (WPH)
ARP	4401348021	PC-60-20160112	440-134802-7		2016-01-12	Water	Stage 4											
ARP	4401348021	PC-59-20160112	440-134802-8		2016-01-12	Water	Stage 4											
ARP	4401348031	M-83-20160112	440-134803-1		2016-01-12	Water	Stage 2B		X									X
ARP	4401348031	PC-97-20160112	440-134803-2		2016-01-12	Water	Stage 2B		X									X
ARP	4401348031	PC-90-20160112	440-134803-3		2016-01-12	Water	Stage 2B		X									X
ARP	4401348031	PC-91-20160112	440-134803-4		2016-01-12	Water	Stage 2B		X									X
ARP	4401348031	PC-58-20160112	440-134803-5		2016-01-12	Water	Stage 2B		X									X
ARP	4401348031	PC-56-20160112	440-134803-6		2016-01-12	Water	Stage 2B		X									X
ARP	4401348031	PC-60-20160112	440-134803-7		2016-01-12	Water	Stage 2B		X									X
ARP	4401348031	PC-59-20160112	440-134803-8		2016-01-12	Water	Stage 2B		X									X
ARP	4401348031	MEB-1-20160112	440-134803-9	EB	2016-01-12	Water	Stage 2B											X
ARP	4401350401	PC-62-20160113	440-135040-1		2016-01-13	Water	Stage 2B		X									X
ARP	4401350401	MW-K4-20160113	440-135040-10		2016-01-13	Water	Stage 2B		X									X
ARP	4401350401	PC-101R-20160113	440-135040-11		2016-01-13	Water	Stage 2B		X									X
ARP	4401350401	ARP-3A-20160113	440-135040-12		2016-01-13	Water	Stage 2B		X									X
ARP	4401350401	ARP-2A-20160113	440-135040-13		2016-01-13	Water	Stage 2B		X									X
ARP	4401350401	PC-68-20160113	440-135040-14		2016-01-13	Water	Stage 2B		X									X
ARP	4401350401	PC-86-20160113	440-135040-2		2016-01-13	Water	Stage 2B		X									X
ARP	4401350401	PC-122-20160113	440-135040-3		2016-01-13	Water	Stage 2B		X									X
ARP	4401350401	PC-53-20160113	440-135040-4		2016-01-13	Water	Stage 2B		X									X
ARP	4401350401	MW-K5-20160113	440-135040-5		2016-01-13	Water	Stage 2B		X									X
ARP	4401350401	ARP-7-20160113	440-135040-6		2016-01-13	Water	Stage 2B		X									X
ARP	4401350401	ARP-6B-20160113	440-135040-7		2016-01-13	Water	Stage 2B		X									X
ARP	4401350401	ARP-5A-20160113	440-135040-8		2016-01-13	Water	Stage 2B		X									X
ARP	4401350401	ARP-4A-20160113	440-135040-9		2016-01-13	Water	Stage 2B		X									X
ARP	4401350591	PC-62-20160113	440-135059-1		2016-01-13	Water	Stage 2B											
ARP	4401350591	MW-K4-20160113	440-135059-10		2016-01-13	Water	Stage 2B											
ARP	4401350591	PC-101R-20160113	440-135059-11		2016-01-13	Water	Stage 2B											
ARP	4401350591	ARP-3A-20160113	440-135059-12		2016-01-13	Water	Stage 2B											
ARP	4401350591	ARP-2A-20160113	440-135059-13		2016-01-13	Water	Stage 2B											
ARP	4401350591	PC-68-20160113	440-135059-14		2016-01-13	Water	Stage 2B											
ARP	4401350591	PC-86-20160113	440-135059-2		2016-01-13	Water	Stage 2B											
ARP	4401350591	PC-122-20160113	440-135059-3		2016-01-13	Water	Stage 2B											
ARP	4401350591	PC-53-20160113	440-135059-4		2016-01-13	Water	Stage 2B											
ARP	4401350591	MW-K5-20160113	440-135059-5		2016-01-13	Water	Stage 2B											
ARP	4401350591	ARP-7-20160113	440-135059-6		2016-01-13	Water	Stage 2B											
ARP	4401350591	ARP-6B-20160113	440-135059-7		2016-01-13	Water	Stage 2B											
ARP	4401350591	ARP-5A-20160113	440-135059-8		2016-01-13	Water	Stage 2B											
ARP	4401350591	ARP-4A-20160113	440-135059-9		2016-01-13	Water	Stage 2B											
ARP	4401350641	PC-55-20160114	440-135064-1		2016-01-14	Water	Stage 2B											

Table I. Sample Cross Reference

Sampling Event	SDG	Client ID	Lab ID	QC Type	Sample Date	Matrix	Validation Level	Specific Conductivity (2510B)	TDS (2540C)	TSS (2540D)	NH_3 as N (4500-NH3D)	BOD (5210B)	DOC (5310B)	TOC (5310C)	TOX (9020B)	Sulfide (9034)	pH (9040C)	pH (WPH)
ARP	4401350641	ARP-1-20160114	440-135064-2		2016-01-14	Water	Stage 2B											
ARP	4401350641	PC-98R-20160114	440-135064-3		2016-01-14	Water	Stage 2B											
ARP	4401350641	PC-103-20160114	440-135064-4		2016-01-14	Water	Stage 2B											
ARP	4401351411	PC-55-20160114	440-135141-1		2016-01-14	Water	Stage 2B		X									X
ARP	4401351411	ARP-1-20160114	440-135141-2		2016-01-14	Water	Stage 2B		X									X
ARP	4401351411	PC-98R-20160114	440-135141-3		2016-01-14	Water	Stage 2B		X									X
ARP	4401351411	PC-103-20160114	440-135141-4		2016-01-14	Water	Stage 2B		X									X
ARP	4401355101	I-M-20160119	440-135510-1		2016-01-19	Water	Stage 2B											
ARP	4401355101	I-AA-20160119	440-135510-10		2016-01-19	Water	Stage 2B											
ARP	4401355101	I-AR-20160119	440-135510-11		2016-01-19	Water	Stage 2B											
ARP	4401355101	I-O-20160119	440-135510-12		2016-01-19	Water	Stage 2B											
ARP	4401355101	I-W-20160119	440-135510-13		2016-01-19	Water	Stage 2B											
ARP	4401355101	I-P-20160119	440-135510-14		2016-01-19	Water	Stage 2B											
ARP	4401355101	I-H-20160119	440-135510-15		2016-01-19	Water	Stage 2B											
ARP	4401355101	I-U-20160119	440-135510-16		2016-01-19	Water	Stage 2B											
ARP	4401355101	I-T-20160119	440-135510-17		2016-01-19	Water	Stage 2B											
ARP	4401355101	I-G-20160119	440-135510-18		2016-01-19	Water	Stage 2B											
ARP	4401355101	I-Q-20160119	440-135510-19		2016-01-19	Water	Stage 2B											
ARP	4401355101	I-D-20160119	440-135510-2		2016-01-19	Water	Stage 2B											
ARP	4401355101	I-F-20160119	440-135510-20		2016-01-19	Water	Stage 2B											
ARP	4401355101	I-X-20160119	440-135510-21		2016-01-19	Water	Stage 2B											
ARP	4401355101	I-N-20160119	440-135510-22		2016-01-19	Water	Stage 2B											
ARP	4401355101	I-E-20160119	440-135510-23		2016-01-19	Water	Stage 2B											
ARP	4401355101	I-V-20160119	440-135510-24		2016-01-19	Water	Stage 2B											
ARP	4401355101	I-I-20160119	440-135510-25		2016-01-19	Water	Stage 2B											
ARP	4401355101	I-Z-20160119	440-135510-26		2016-01-19	Water	Stage 2B											
ARP	4401355101	I-J-20160119	440-135510-27		2016-01-19	Water	Stage 2B											
ARP	4401355101	I-K-20160119	440-135510-28		2016-01-19	Water	Stage 2B											
ARP	4401355101	I-AC-20160119	440-135510-29		2016-01-19	Water	Stage 2B											
ARP	4401355101	I-C-20160119	440-135510-3		2016-01-19	Water	Stage 2B											
ARP	4401355101	I-AD-20160119	440-135510-30		2016-01-19	Water	Stage 2B											
ARP	4401355101	I-S-20160119	440-135510-4		2016-01-19	Water	Stage 2B											
ARP	4401355101	I-L-20160119	440-135510-5		2016-01-19	Water	Stage 2B											
ARP	4401355101	I-Y-20160119	440-135510-6		2016-01-19	Water	Stage 2B											
ARP	4401355101	I-R-20160119	440-135510-7		2016-01-19	Water	Stage 2B											
ARP	4401355101	I-B-20160119	440-135510-8		2016-01-19	Water	Stage 2B											
ARP	4401355101	I-AB-20160119	440-135510-9		2016-01-19	Water	Stage 2B											
ARP	4401355741	I-M-20160119	440-135574-1		2016-01-19	Water	Stage 2B		X									X
ARP	4401355741	I-AA-20160119	440-135574-10		2016-01-19	Water	Stage 2B		X									X
ARP	4401355741	I-AR-20160119	440-135574-11		2016-01-19	Water	Stage 2B		X									X

Table I. Sample Cross Reference

Sampling Event	SDG	Client ID	Lab ID	QC Type	Sample Date	Matrix	Validation Level	Specific Conductivity (2510B)	TDS (2540C)	TSS (2540D)	NH_3 as N (4500-NH3D)	BOD (5210B)	DOC (5310B)	TOC (5310C)	TOX (9020B)	Sulfide (9034)	pH (9040C)	pH (WPH)
ARP	4401355741	I-O-20160119	440-135574-12		2016-01-19	Water	Stage 2B		X									X
ARP	4401355741	I-W-20160119	440-135574-13		2016-01-19	Water	Stage 2B		X									X
ARP	4401355741	I-P-20160119	440-135574-14		2016-01-19	Water	Stage 2B		X									X
ARP	4401355741	I-H-20160119	440-135574-15		2016-01-19	Water	Stage 2B		X									X
ARP	4401355741	I-U-20160119	440-135574-16		2016-01-19	Water	Stage 2B		X									X
ARP	4401355741	I-T-20160119	440-135574-17		2016-01-19	Water	Stage 2B		X									X
ARP	4401355741	I-G-20160119	440-135574-18		2016-01-19	Water	Stage 2B		X									X
ARP	4401355741	I-Q-20160119	440-135574-19		2016-01-19	Water	Stage 2B		X									X
ARP	4401355741	I-D-20160119	440-135574-2		2016-01-19	Water	Stage 2B		X									X
ARP	4401355741	I-F-20160119	440-135574-20		2016-01-19	Water	Stage 2B		X									X
ARP	4401355741	I-X-20160119	440-135574-21		2016-01-19	Water	Stage 2B		X									X
ARP	4401355741	I-N-20160119	440-135574-22		2016-01-19	Water	Stage 2B		X									X
ARP	4401355741	I-E-20160119	440-135574-23		2016-01-19	Water	Stage 2B		X									X
ARP	4401355741	I-V-20160119	440-135574-24		2016-01-19	Water	Stage 2B		X									X
ARP	4401355741	I-I-20160119	440-135574-25		2016-01-19	Water	Stage 2B		X									X
ARP	4401355741	I-Z-20160119	440-135574-26		2016-01-19	Water	Stage 2B		X									X
ARP	4401355741	I-J-20160119	440-135574-27		2016-01-19	Water	Stage 2B		X									X
ARP	4401355741	I-K-20160119	440-135574-28		2016-01-19	Water	Stage 2B		X									X
ARP	4401355741	I-AC-20160119	440-135574-29		2016-01-19	Water	Stage 2B		X									X
ARP	4401355741	I-C-20160119	440-135574-3		2016-01-19	Water	Stage 2B		X									X
ARP	4401355741	I-AD-20160119	440-135574-30		2016-01-19	Water	Stage 2B		X									X
ARP	4401355741	I-S-20160119	440-135574-4		2016-01-19	Water	Stage 2B		X									X
ARP	4401355741	I-L-20160119	440-135574-5		2016-01-19	Water	Stage 2B		X									X
ARP	4401355741	I-Y-20160119	440-135574-6		2016-01-19	Water	Stage 2B		X									X
ARP	4401355741	I-R-20160119	440-135574-7		2016-01-19	Water	Stage 2B		X									X
ARP	4401355741	I-B-20160119	440-135574-8		2016-01-19	Water	Stage 2B		X									X
ARP	4401355741	I-AB-20160119	440-135574-9		2016-01-19	Water	Stage 2B		X									X
ARP	4401357191	PC-18-20160120	440-135719-1		2016-01-20	Water	Stage 2B		X									X
ARP	4401357191	ART-6-20160120	440-135719-2		2016-01-20	Water	Stage 2B		X									X
ARP	4401357192	PC-18-20160120	440-135719-1		2016-01-20	Water	Stage 2B											
ARP	4401357192	ART-6-20160120	440-135719-2		2016-01-20	Water	Stage 2B											
ARP	4401374581	ART-1-20160205	440-137458-1		2016-02-05	Water	Stage 2B		X									X
ARP	4401374581	PC-115R-20160205	440-137458-10		2016-02-05	Water	Stage 2B		X									X
ARP	4401374581	PC-116R-20160205	440-137458-11		2016-02-05	Water	Stage 2B		X									X
ARP	4401374581	PC-117-20160205	440-137458-12		2016-02-05	Water	Stage 2B		X									X
ARP	4401374581	PC-118-20160205	440-137458-13		2016-02-05	Water	Stage 2B		X									X
ARP	4401374581	PC-119-20160205	440-137458-14		2016-02-05	Water	Stage 2B		X									X
ARP	4401374581	PC-120-20160205	440-137458-15		2016-02-05	Water	Stage 2B		X									X
ARP	4401374581	PC-121-20160205	440-137458-16		2016-02-05	Water	Stage 2B		X									X
ARP	4401374581	PC-133-20160205	440-137458-17		2016-02-05	Water	Stage 2B		X									X

Table I. Sample Cross Reference

Sampling Event	SDG	Client ID	Lab ID	QC Type	Sample Date	Matrix	Validation Level	Specific Conductivity (2510B)	TDS (2540C)	TSS (2540D)	NH_3 as N (4500-NH3D)	BOD (5210B)	DOC (5310B)	TOC (5310C)	TOX (9020B)	Sulfide (9034)	pH (9040C)	pH (WPH)
ARP	4401374581	PC-150-20160205	440-137458-18		2016-02-05	Water	Stage 2B		X									X
ARP	4401374581	ART-2-20160205	440-137458-2		2016-02-05	Water	Stage 2B		X									X
ARP	4401374581	ART-3A-20160205	440-137458-3		2016-02-05	Water	Stage 2B		X									X
ARP	4401374581	ART-4-20160205	440-137458-4		2016-02-05	Water	Stage 2B		X									X
ARP	4401374581	ART-6-20160205	440-137458-5		2016-02-05	Water	Stage 2B		X									X
ARP	4401374581	ART-7A-20160205	440-137458-6		2016-02-05	Water	Stage 2B		X									X
ARP	4401374581	ART-8A-20160205	440-137458-7		2016-02-05	Water	Stage 2B		X									X
ARP	4401374581	ART-9-20160205	440-137458-8		2016-02-05	Water	Stage 2B		X									X
ARP	4401374581	PC-99R2/R3-20160205	440-137458-9		2016-02-05	Water	Stage 2B		X									X
ARP	4401374901	PC-99R2/R3-20160205	440-137490-1		2016-02-05	Water	Stage 2B											
ARP	4401374901	ART-6-20160205	440-137490-10		2016-02-05	Water	Stage 2B											
ARP	4401374901	ART-4-20160205	440-137490-11		2016-02-05	Water	Stage 2B											
ARP	4401374901	ART-3A-20160205	440-137490-12		2016-02-05	Water	Stage 2B											
ARP	4401374901	ART-8A-20160205	440-137490-13		2016-02-05	Water	Stage 2B											
ARP	4401374901	ART-2-20160205	440-137490-14		2016-02-05	Water	Stage 2B											
ARP	4401374901	ART-1-20160205	440-137490-15		2016-02-05	Water	Stage 2B											
ARP	4401374901	ART-7A-20160205	440-137490-16		2016-02-05	Water	Stage 2B											
ARP	4401374901	PC-150-20160205	440-137490-17		2016-02-05	Water	Stage 2B											
ARP	4401374901	ART-9-20160205	440-137490-18		2016-02-05	Water	Stage 2B											
ARP	4401374901	PC-115R-20160205	440-137490-2		2016-02-05	Water	Stage 2B											
ARP	4401374901	PC-116R-20160205	440-137490-3		2016-02-05	Water	Stage 2B											
ARP	4401374901	PC-118-20160205	440-137490-4		2016-02-05	Water	Stage 2B											
ARP	4401374901	PC-119-20160205	440-137490-5		2016-02-05	Water	Stage 2B											
ARP	4401374901	PC-120-20160205	440-137490-6		2016-02-05	Water	Stage 2B											
ARP	4401374901	PC-121-20160205	440-137490-7		2016-02-05	Water	Stage 2B											
ARP	4401374901	PC-117-20160205	440-137490-8		2016-02-05	Water	Stage 2B											
ARP	4401374901	PC-133-20160205	440-137490-9		2016-02-05	Water	Stage 2B											
SWF	4401375701	PC-62-20160208	440-137570-1		2016-02-08	Water	Stage 4		X				X					
SWF	4401376631	PC-86-20160208	440-137663-1		2016-02-08	Water	Stage 2B		X				X					
SWF	4401376631	PC-90-20160208	440-137663-2		2016-02-08	Water	Stage 2B		X				X					
SWF	4401376631	PC-97-20160208	440-137663-3		2016-02-08	Water	Stage 2B		X				X					
Q1S	4401376651	M-161D-20160209	440-137665-1		2016-02-09	Water	Stage 2B		X									
Q1S	4401376651	M-162D-20160209	440-137665-2		2016-02-09	Water	Stage 2B		X									
Q1S	4401376651	PC-157A-20160209	440-137665-3		2016-02-09	Water	Stage 2B		X									
Q1S	4401376651	PC-157B-20160209	440-137665-4		2016-02-09	Water	Stage 2B		X									
Q1S	4401376651	PC-155A-20160209	440-137665-5	FD1	2016-02-09	Water	Stage 2B		X									
Q1S	4401376651	PC-155A-20160209-FD	440-137665-6	FD1	2016-02-09	Water	Stage 2B		X									
Q1S	4401376651	PC-155B-20160209	440-137665-7		2016-02-09	Water	Stage 2B		X									
Q1S	4401376651	PC-157A-20160209-TB	440-137665-8	TB	2016-02-09	Water	Stage 2B											
ARP	4401377141	I-M-20160209	440-137714-1		2016-02-09	Water	Stage 2B		X									X

Table I. Sample Cross Reference

Sampling Event	SDG	Client ID	Lab ID	QC Type	Sample Date	Matrix	Validation Level	Specific Conductivity (2510B)	TDS (2540C)	TSS (2540D)	NH_3 as N (4500-NH3D)	BOD (5210B)	DOC (5310B)	TOC (5310C)	TOX (9020B)	Sulfide (9034)	pH (9040C)	pH (WPH)
ARP	4401377141	I-AA-20160209	440-137714-10		2016-02-09	Water	Stage 2B		X									X
ARP	4401377141	I-AR-20160209	440-137714-11		2016-02-09	Water	Stage 2B		X									X
ARP	4401377141	DUP 1-20160209	440-137714-12		2016-02-09	Water	Stage 2B		X									X
ARP	4401377141	I-O-20160209	440-137714-13		2016-02-09	Water	Stage 2B		X									X
ARP	4401377141	I-W-20160209	440-137714-14		2016-02-09	Water	Stage 2B		X									X
ARP	4401377141	I-P-20160209	440-137714-15		2016-02-09	Water	Stage 2B		X									X
ARP	4401377141	I-H-20160209	440-137714-16		2016-02-09	Water	Stage 2B		X									X
ARP	4401377141	I-U-20160209	440-137714-17		2016-02-09	Water	Stage 2B		X									X
ARP	4401377141	I-T-20160209	440-137714-18		2016-02-09	Water	Stage 2B		X									X
ARP	4401377141	I-G-20160209	440-137714-19		2016-02-09	Water	Stage 2B		X									X
ARP	4401377141	I-D-20160209	440-137714-2		2016-02-09	Water	Stage 2B		X									X
ARP	4401377141	I-Q-20160209	440-137714-20		2016-02-09	Water	Stage 2B		X									X
ARP	4401377141	I-X-20160209	440-137714-21		2016-02-09	Water	Stage 2B		X									X
ARP	4401377141	I-F-20160209	440-137714-22		2016-02-09	Water	Stage 2B		X									X
ARP	4401377141	I-N-20160209	440-137714-23		2016-02-09	Water	Stage 2B		X									X
ARP	4401377141	I-E-20160209	440-137714-24		2016-02-09	Water	Stage 2B		X									X
ARP	4401377141	I-C-20160209	440-137714-3		2016-02-09	Water	Stage 2B		X									X
ARP	4401377141	I-S-20160209	440-137714-4		2016-02-09	Water	Stage 2B		X									X
ARP	4401377141	I-L-20160209	440-137714-5		2016-02-09	Water	Stage 2B		X									X
ARP	4401377141	I-Y-20160209	440-137714-6		2016-02-09	Water	Stage 2B		X									X
ARP	4401377141	I-R-20160209	440-137714-7		2016-02-09	Water	Stage 2B		X									X
ARP	4401377141	I-B-20160209	440-137714-8		2016-02-09	Water	Stage 2B		X									X
ARP	4401377141	I-AB-20160209	440-137714-9		2016-02-09	Water	Stage 2B		X									X
ARP	4401378401	PC-86-20160210	440-137840-1		2016-02-10	Water	Stage 2B		X									X
ARP	4401378401	PC-59-20160210	440-137840-10		2016-02-10	Water	Stage 2B		X									X
ARP	4401378401	PC-62-20160210	440-137840-11		2016-02-10	Water	Stage 2B		X									X
ARP	4401378401	PC-68-20160210	440-137840-12		2016-02-10	Water	Stage 2B		X									X
ARP	4401378401	PC-94-20160210	440-137840-13		2016-02-10	Water	Stage 2B		X									X
ARP	4401378401	I-V-20160210	440-137840-14		2016-02-10	Water	Stage 2B		X									X
ARP	4401378401	I-I-20160210	440-137840-15		2016-02-10	Water	Stage 2B		X									X
ARP	4401378401	I-Z-20160210	440-137840-16		2016-02-10	Water	Stage 2B		X									X
ARP	4401378401	I-J-20160210	440-137840-17		2016-02-10	Water	Stage 2B		X									X
ARP	4401378401	I-K-20160210	440-137840-18		2016-02-10	Water	Stage 2B		X									X
ARP	4401378401	I-AC-20160210	440-137840-19		2016-02-10	Water	Stage 2B		X									X
ARP	4401378401	PC-90-20160210	440-137840-2		2016-02-10	Water	Stage 2B		X									X
ARP	4401378401	I-AD-20160210	440-137840-20		2016-02-10	Water	Stage 2B		X									X
ARP	4401378401	MEB-1-20160210	440-137840-21	EB	2016-02-10	Water	Stage 2B											X
ARP	4401378401	PC-91-20160210	440-137840-3		2016-02-10	Water	Stage 2B		X									X
ARP	4401378401	PC-97-20160210	440-137840-4		2016-02-10	Water	Stage 2B		X									X
ARP	4401378401	DUP-2-20160210	440-137840-5		2016-02-10	Water	Stage 2B		X									X

Table I. Sample Cross Reference

Sampling Event	SDG	Client ID	Lab ID	QC Type	Sample Date	Matrix	Validation Level	Specific Conductivity (2510B)	TDS (2540C)	TSS (2540D)	NH_3 as N (4500-NH3D)	BOD (5210B)	DOC (5310B)	TOC (5310C)	TOX (9020B)	Sulfide (9034)	pH (9040C)	pH (WPH)
ARP	4401378401	M-83-20160210	440-137840-6		2016-02-10	Water	Stage 2B		X									X
ARP	4401378401	PC-58-20160210	440-137840-7		2016-02-10	Water	Stage 2B		X									X
ARP	4401378401	PC-56-20160210	440-137840-8		2016-02-10	Water	Stage 2B		X									X
ARP	4401378401	PC-60-20160210	440-137840-9		2016-02-10	Water	Stage 2B		X									X
ARP	4401378402	I-V-20160210	440-137840-14		2016-02-10	Water	Stage 2B											
ARP	4401378402	I-I-20160210	440-137840-15		2016-02-10	Water	Stage 2B											
ARP	4401378402	I-Z-20160210	440-137840-16		2016-02-10	Water	Stage 2B											
ARP	4401378402	I-J-20160210	440-137840-17		2016-02-10	Water	Stage 2B											
ARP	4401378402	I-K-20160210	440-137840-18		2016-02-10	Water	Stage 2B											
ARP	4401378402	I-AC-20160210	440-137840-19		2016-02-10	Water	Stage 2B											
ARP	4401378402	I-AD-20160210	440-137840-20		2016-02-10	Water	Stage 2B											
Q1S	4401379771	M-186D-20160210-TB	440-137977-1	TB	2016-02-10	Water	Stage 2B											
Q1S	4401379771	M-186D-20160210	440-137977-2		2016-02-10	Water	Stage 4		X									
Q1S	4401379771	M-186-20160210	440-137977-3	FD2	2016-02-10	Water	Stage 4		X									
Q1S	4401379771	M-186-20160210-FD	440-137977-4	FD2	2016-02-10	Water	Stage 4		X									
Q1S	4401379771	M-148A-20160210-FB	440-137977-5	FB	2016-02-10	Water	Stage 2B											
Q1S	4401379771	M-148A-20160210-FB	440-137977-5	FB	2016-02-10	Water	Stage 4											
Q1S	4401379771	M-148A-20160210	440-137977-6		2016-02-10	Water	Stage 4		X									
Q1S	4401379771	M-145-20160210	440-137977-7		2016-02-10	Water	Stage 4		X									
Q1S	4401379771	M-189-20160210	440-137977-8		2016-02-10	Water	Stage 4		X									
Q1S	4401380091	PC-156B-20160210-TB	440-138009-1	TB	2016-02-10	Water	Stage 2B											
Q1S	4401380091	PC-156B-20160210	440-138009-2		2016-02-10	Water	Stage 2B		X									
Q1S	4401380091	PC-156A-20160210	440-138009-3		2016-02-10	Water	Stage 2B		X									
Q1S	4401380091	PC-154-20160210	440-138009-4	FD3	2016-02-10	Water	Stage 2B		X									
Q1S	4401380091	PC-154-20160210-FD	440-138009-5	FD3	2016-02-10	Water	Stage 2B		X									
Q1S	4401380091	PC-159-20160210	440-138009-6		2016-02-10	Water	Stage 2B		X									
Q1S	4401380091	PC-158-20160210	440-138009-7		2016-02-10	Water	Stage 2B		X									
Q1S	4401380091	PC-160-20160210	440-138009-8		2016-02-10	Water	Stage 2B		X									
ARP	4401381061	PC-122-20160211	440-138106-1		2016-02-11	Water	Stage 4		X									X
ARP	4401381061	PC-101R-20160211	440-138106-10		2016-02-11	Water	Stage 4		X									X
ARP	4401381061	ARP-3A-20160211	440-138106-11		2016-02-11	Water	Stage 4		X									X
ARP	4401381061	ARP-2A-20160211	440-138106-12		2016-02-11	Water	Stage 4		X									X
ARP	4401381061	PC-98R-20160211	440-138106-13		2016-02-11	Water	Stage 4		X									X
ARP	4401381061	DUP-3-20160211	440-138106-14		2016-02-11	Water	Stage 4		X									X
ARP	4401381061	PC-53-20160211	440-138106-2		2016-02-11	Water	Stage 4		X									X
ARP	4401381061	MW-K5-20160211	440-138106-3		2016-02-11	Water	Stage 4		X									X
ARP	4401381061	ARP-7-20160211	440-138106-4		2016-02-11	Water	Stage 4		X									X
ARP	4401381061	ARP-6B-20160211	440-138106-5		2016-02-11	Water	Stage 4		X									X
ARP	4401381061	ARP-5A-20160211	440-138106-6		2016-02-11	Water	Stage 4		X									X
ARP	4401381061	ARP-4A-20160211	440-138106-7		2016-02-11	Water	Stage 4		X									X

Table I. Sample Cross Reference

Sampling Event	SDG	Client ID	Lab ID	QC Type	Sample Date	Matrix	Validation Level	Specific Conductivity (2510B)	TDS (2540C)	TSS (2540D)	NH_3 as N (4500-NH3D)	BOD (5210B)	DOC (5310B)	TOC (5310C)	TOX (9020B)	Sulfide (9034)	pH (9040C)	pH (WPH)
ARP	4401381061	MW-K4-20160211	440-138106-8		2016-02-11	Water	Stage 4		X									X
ARP	4401381061	PC-144-20160211	440-138106-9		2016-02-11	Water	Stage 4		X									X
Q1S	4401381071	M-190-20160211-TB	440-138107-1	TB	2016-02-11	Water	Stage 2B											
Q1S	4401381071	PC-137D-20160211-TB	440-138107-10	TB	2016-02-11	Water	Stage 2B											
Q1S	4401381071	PC-137D-20160211	440-138107-11		2016-02-11	Water	Stage 2B		X									
Q1S	4401381071	PC-137D-20160211	440-138107-11		2016-02-11	Water	Stage 4						X					
Q1S	4401381071	PC-134D-20160211	440-138107-12		2016-02-11	Water	Stage 2B		X				X					
Q1S	4401381071	PC-153-20160211-FB	440-138107-13	FB	2016-02-11	Water	Stage 2B											
Q1S	4401381071	PC-153-20160211	440-138107-14		2016-02-11	Water	Stage 2B		X									
Q1S	4401381071	PC-153-20160211-EB	440-138107-15	EB	2016-02-11	Water	Stage 2B											
Q1S	4401381071	PC-152-20160211	440-138107-16		2016-02-11	Water	Stage 2B		X									
Q1S	4401381071	PC-151-20160211	440-138107-17	FD4	2016-02-11	Water	Stage 2B		X									
Q1S	4401381071	PC-151-20160211-FD	440-138107-18	FD4	2016-02-11	Water	Stage 2B		X									
Q1S	4401381071	M-190-20160211	440-138107-2		2016-02-11	Water	Stage 2B		X									
Q1S	4401381071	M-192-20160211	440-138107-3		2016-02-11	Water	Stage 2B		X									
Q1S	4401381071	M-190-20160211-EB	440-138107-4	EB	2016-02-11	Water	Stage 2B											
Q1S	4401381071	M-191-20160211	440-138107-5		2016-02-11	Water	Stage 2B		X									
Q1S	4401381071	M-193-20160211	440-138107-6		2016-02-11	Water	Stage 2B		X									
SWF	4401381071	PC-91-20160211	440-138107-7	FD5	2016-02-11	Water	Stage 2B		X				X					
SWF	4401381071	PC-91-20160211-FD	440-138107-8	FD5	2016-02-11	Water	Stage 2B		X				X					
SWF	4401381071	PC-91-20160211-EB	440-138107-9	EB	2016-02-11	Water	Stage 2B											
SWF	4401381111	PC-115R-20160212	440-138111-1		2016-02-12	Water	Stage 2B		X				X					
SWF	4401381111	PC-133-20160212	440-138111-10		2016-02-12	Water	Stage 2B		X				X					
SWF	4401381111	PC-99R3-20160212	440-138111-11		2016-02-12	Water	Stage 2B		X				X					
SWF	4401381111	PC-116R-20160212	440-138111-2		2016-02-12	Water	Stage 2B		X				X					
SWF	4401381111	PC-118-20160212	440-138111-3		2016-02-12	Water	Stage 2B		X				X					
SWF	4401381111	PC-119-20160212	440-138111-4		2016-02-12	Water	Stage 2B		X				X					
SWF	4401381111	PC-120-20160212	440-138111-5	FD6	2016-02-12	Water	Stage 2B		X				X					
SWF	4401381111	PC-120-20160212-FD	440-138111-6	FD6	2016-02-12	Water	Stage 2B		X				X					
SWF	4401381111	PC-121-20160212	440-138111-7		2016-02-12	Water	Stage 2B		X				X					
SWF	4401381111	PC-117-20160212	440-138111-8		2016-02-12	Water	Stage 2B		X				X					
SWF	4401381111	PC-133-20160212-FB	440-138111-9	FB	2016-02-12	Water	Stage 2B											
ARP	4401381131	PC-103-20160212	440-138113-1		2016-02-12	Water	Stage 2B		X									X
ARP	4401381131	PC-148-20160212	440-138113-2		2016-02-12	Water	Stage 2B		X									X
ARP	4401381131	PC-149-20160212	440-138113-3		2016-02-12	Water	Stage 2B		X									X
ARP	4401381131	PC-18-20160212	440-138113-4		2016-02-12	Water	Stage 2B		X									X
ARP	4401381131	EB-2-20160212	440-138113-5	EB	2016-02-12	Water	Stage 2B		X									X
ARP	4401381131	PC-55-20160212	440-138113-6		2016-02-12	Water	Stage 2B		X									X
ARP	4401381131	ARP-1-20160212	440-138113-7		2016-02-12	Water	Stage 2B		X									X
ARP	4401381132	EB-2-20160212	440-138113-5	EB	2016-02-12	Water	Stage 2B											

Table I. Sample Cross Reference

Sampling Event	SDG	Client ID	Lab ID	QC Type	Sample Date	Matrix	Validation Level	Specific Conductivity (2510B)	TDS (2540C)	TSS (2540D)	NH_3 as N (4500-NH3D)	BOD (5210B)	DOC (5310B)	TOC (5310C)	TOX (9020B)	Sulfide (9034)	pH (9040C)	pH (WPH)
ARP	4401381781	DUP 4-20160215	440-138178-1		2016-02-15	Water	Stage 2B											
ARP	4401381781	M-95-20160215	440-138178-2		2016-02-15	Water	Stage 2B											
ARP	4401381781	DUP 5-20160215	440-138178-3		2016-02-15	Water	Stage 2B											
ARP	4401381781	M-44-20160215	440-138178-4		2016-02-15	Water	Stage 2B											
ARP	4401381781	M-48A-20160215	440-138178-5		2016-02-15	Water	Stage 2B											
ARP	4401381891	PC-54-20160215	440-138189-1		2016-02-15	Water	Stage 2B		X									X
ARP	4401381891	PC-37-20160215	440-138189-10		2016-02-15	Water	Stage 2B		X									X
ARP	4401381891	EB-3-20160215	440-138189-11	EB	2016-02-15	Water	Stage 2B		X									X
ARP	4401381891	M-95-20160215	440-138189-2		2016-02-15	Water	Stage 2B		X									X
ARP	4401381891	M-48A-20160215	440-138189-3		2016-02-15	Water	Stage 2B		X									X
ARP	4401381891	M-44-20160215	440-138189-4		2016-02-15	Water	Stage 2B		X									X
ARP	4401381891	DUP 5-20160215	440-138189-5		2016-02-15	Water	Stage 2B		X									X
ARP	4401381891	DUP 4-20160215	440-138189-6		2016-02-15	Water	Stage 2B		X									X
ARP	4401381891	PC-71-20160215	440-138189-7		2016-02-15	Water	Stage 2B		X									X
ARP	4401381891	PC-72-20160215	440-138189-8		2016-02-15	Water	Stage 2B		X									X
ARP	4401381891	PC-73-20160215	440-138189-9		2016-02-15	Water	Stage 2B		X									X
ARP	4401383721	PC-123-20160216	440-138372-1		2016-02-16	Water	Stage 2B		X									X
ARP	4401383721	PC-125-20160216	440-138372-10		2016-02-16	Water	Stage 2B		X									X
ARP	4401383721	PC-126-20160216	440-138372-11		2016-02-16	Water	Stage 2B		X									X
ARP	4401383721	M-23-20160216	440-138372-12		2016-02-16	Water	Stage 2B		X									X
ARP	4401383721	M-65-20160216	440-138372-13		2016-02-16	Water	Stage 2B		X									X
ARP	4401383721	M-66-20160216	440-138372-14		2016-02-16	Water	Stage 2B		X									X
ARP	4401383721	M-70-20160216	440-138372-15		2016-02-16	Water	Stage 2B		X									X
ARP	4401383721	M-71-20160216	440-138372-16		2016-02-16	Water	Stage 2B		X									X
ARP	4401383721	M-72-20160216	440-138372-17		2016-02-16	Water	Stage 2B		X									X
ARP	4401383721	M-79-20160216	440-138372-18		2016-02-16	Water	Stage 2B		X									X
ARP	4401383721	M-37-20160216	440-138372-19		2016-02-16	Water	Stage 2B		X									X
ARP	4401383721	PC-127-20160216	440-138372-2		2016-02-16	Water	Stage 2B		X									X
ARP	4401383721	M-25-20160216	440-138372-20		2016-02-16	Water	Stage 2B		X									X
ARP	4401383721	DUP-6-20160216	440-138372-21		2016-02-16	Water	Stage 2B		X									X
ARP	4401383721	PC-128-20160216	440-138372-3		2016-02-16	Water	Stage 2B		X									X
ARP	4401383721	PC-129-20160216	440-138372-4		2016-02-16	Water	Stage 2B		X									X
ARP	4401383721	PC-130-20160216	440-138372-5		2016-02-16	Water	Stage 2B		X									X
ARP	4401383721	PC-131-20160216	440-138372-6		2016-02-16	Water	Stage 2B		X									X
ARP	4401383721	EB-4-20160216	440-138372-7	EB	2016-02-16	Water	Stage 2B		X									X
ARP	4401383721	PC-132-20160216	440-138372-8		2016-02-16	Water	Stage 2B		X									X
ARP	4401383721	PC-124-20160216	440-138372-9		2016-02-16	Water	Stage 2B		X									X
ARP	4401383771	M-37-20160216	440-138377-1		2016-02-16	Water	Stage 2B											
SNWA	4401384611	WMW6.55S-20160217	440-138461-1		2016-02-17	Water	Stage 2B		X	X	X	X				X	X	
SNWA	4401384611	WMW6.15S-20160217	440-138461-2		2016-02-17	Water	Stage 4		X	X	X	X				X	X	

Table I. Sample Cross Reference

Sampling Event	SDG	Client ID	Lab ID	QC Type	Sample Date	Matrix	Validation Level	Specific Conductivity (2510B)	TDS (2540C)	TSS (2540D)	NH_3 as N (4500-NH3D)	BOD (5210B)	DOC (5310B)	TOC (5310C)	TOX (9020B)	Sulfide (9034)	pH (9040C)	pH (WPH)
SNWA	4401384611	WMW5.58SI-20160217	440-138461-3		2016-02-17	Water	Stage 2B		X	X	X	X				X	X	
ARP	4401385201	M-10-20160217	440-138520-1		2016-02-17	Water	Stage 2B		X									X
ARP	4401385201	DUP-7-20160217	440-138520-10		2016-02-17	Water	Stage 2B		X									X
ARP	4401385201	M-69-20160217	440-138520-11		2016-02-17	Water	Stage 2B		X									X
ARP	4401385201	EB-5-20160217	440-138520-12	EB	2016-02-17	Water	Stage 2B		X									X
ARP	4401385201	M-135-20160217	440-138520-13		2016-02-17	Water	Stage 2B		X									X
ARP	4401385201	M-99-20160217	440-138520-14		2016-02-17	Water	Stage 2B		X									X
ARP	4401385201	M-11-20160217	440-138520-15		2016-02-17	Water	Stage 2B		X									X
ARP	4401385201	PC-135A-20160217	440-138520-2		2016-02-17	Water	Stage 2B		X									X
ARP	4401385201	PC-136-20160217	440-138520-3		2016-02-17	Water	Stage 2B		X									X
ARP	4401385201	M-14A-20160217	440-138520-4		2016-02-17	Water	Stage 2B		X									X
ARP	4401385201	M-57A-20160217	440-138520-5		2016-02-17	Water	Stage 2B		X									X
ARP	4401385201	M-131-20160217	440-138520-6		2016-02-17	Water	Stage 2B		X									X
ARP	4401385201	M-64-20160217	440-138520-7		2016-02-17	Water	Stage 2B		X									X
ARP	4401385201	M-22A-20160217	440-138520-8		2016-02-17	Water	Stage 2B		X									X
ARP	4401385201	M-38-20160217	440-138520-9		2016-02-17	Water	Stage 2B		X									X
ARP	4401385341	M-10-20160217	440-138534-1		2016-02-17	Water	Stage 2B											
SWF	4401385841	BP-01-20160217	440-138584-1		2016-02-17	Water	Stage 2B											
SWF	4401385841	BP-01-20160217	440-138584-1		2016-02-17	Water	Stage 4		X				X					
SWF	4401385841	BP-02-20160217	440-138584-2		2016-02-17	Water	Stage 2B											
SWF	4401385841	BP-02-20160217	440-138584-2		2016-02-17	Water	Stage 4		X				X					
SWF	4401385841	BP-03-20160217	440-138584-3		2016-02-17	Water	Stage 2B											
SWF	4401385841	BP-03-20160217	440-138584-3		2016-02-17	Water	Stage 4		X				X					
SWF	4401385841	BP-04-20160217	440-138584-4		2016-02-17	Water	Stage 2B											
SWF	4401385841	BP-04-20160217	440-138584-4		2016-02-17	Water	Stage 4		X				X					
ARP	4401386401	M-12A-20160218	440-138640-1		2016-02-18	Water	Stage 2B		X									X
ARP	4401386401	M-31A-20160218	440-138640-2		2016-02-18	Water	Stage 2B		X									X
ARP	4401386401	M-52-20160218	440-138640-3		2016-02-18	Water	Stage 2B		X									X
ARP	4401386401	M-35-20160218	440-138640-4		2016-02-18	Water	Stage 2B		X									X
ARP	4401386401	M-19-20160218	440-138640-5		2016-02-18	Water	Stage 2B		X									X
ARP	4401386401	EB-6-20160218	440-138640-6	EB	2016-02-18	Water	Stage 2B		X									X
ARP	4401386401	M-68-20160218	440-138640-7		2016-02-18	Water	Stage 2B		X									X
ARP	4401386401	DUP-8-20160218	440-138640-8		2016-02-18	Water	Stage 2B		X									X
ARP	4401386401	M-74-20160218	440-138640-9		2016-02-18	Water	Stage 2B		X									X
ARP	4401386871	M-12A-20160218	440-138687-1		2016-02-18	Water	Stage 2B											
SWF	4401387051	BP-05-20160218	440-138705-1		2016-02-18	Water	Stage 2B		X				X					
SWF	4401387051	LVW-08-20160218	440-138705-10		2016-02-18	Water	Stage 2B		X				X					
SWF	4401387051	BP-08-20160218-FB	440-138705-11	FB	2016-02-18	Water	Stage 2B											
SWF	4401387051	BP-09-20160218	440-138705-2		2016-02-18	Water	Stage 2B		X				X					
SWF	4401387051	BP-06-20160218	440-138705-3		2016-02-18	Water	Stage 2B		X				X					

Table I. Sample Cross Reference

Sampling Event	SDG	Client ID	Lab ID	QC Type	Sample Date	Matrix	Validation Level	Specific Conductivity (2510B)	TDS (2540C)	TSS (2540D)	NH_3 as N (4500-NH3D)	BOD (5210B)	DOC (5310B)	TOC (5310C)	TOX (9020B)	Sulfide (9034)	pH (9040C)	pH (WPH)
SWF	4401387051	BP-07-20160218	440-138705-4		2016-02-18	Water	Stage 2B		X				X					
SWF	4401387051	BP-08-20160218	440-138705-5		2016-02-18	Water	Stage 2B		X				X					
SWF	4401387051	BP-08A-20160218	440-138705-6	FD7	2016-02-18	Water	Stage 2B		X				X					
SWF	4401387051	BP-08A-20160218-FD	440-138705-7	FD7	2016-02-18	Water	Stage 2B		X				X					
SWF	4401387051	LVW-10-20160218	440-138705-8		2016-02-18	Water	Stage 2B		X				X					
SWF	4401387051	LVW-09-20160218	440-138705-9		2016-02-18	Water	Stage 2B		X				X					
SWF	4401387801	LVW-01-20160219	440-138780-1		2016-02-19	Water	Stage 2B		X				X					
SWF	4401387801	LVW-02-20160219	440-138780-2		2016-02-19	Water	Stage 2B		X				X					
SWF	4401387801	LVW-03-20160219	440-138780-3	FD8	2016-02-19	Water	Stage 2B		X				X					
SWF	4401387801	LVW-03-20160219-FD	440-138780-4	FD8	2016-02-19	Water	Stage 2B		X				X					
SWF	4401387801	LVW-04-20160219	440-138780-5		2016-02-19	Water	Stage 2B		X				X					
SWF	4401387801	LVW-05-20160219	440-138780-6		2016-02-19	Water	Stage 2B		X				X					
SWF	4401387801	LVW-06-20160219	440-138780-7		2016-02-19	Water	Stage 2B		X				X					
SWF	4401387801	LVW-07-20160219	440-138780-8		2016-02-19	Water	Stage 2B		X				X					
ARP	4401387891	M-80-20160219	440-138789-1		2016-02-19	Water	Stage 2B		X									X
ARP	4401387891	DUP-9-20160219	440-138789-2		2016-02-19	Water	Stage 2B		X									X
ARP	4401387891	M-81A-20160219	440-138789-3		2016-02-19	Water	Stage 2B		X									X
ARP	4401387891	M-67-20160219	440-138789-4		2016-02-19	Water	Stage 2B		X									X
ARP	4401387891	M-73-20160219	440-138789-5		2016-02-19	Water	Stage 2B		X									X
ARP	4401388081	I-O-20160209	440-138808-1		2016-02-09	Water	Stage 2B											
ARP	4401388081	I-F-20160209	440-138808-10		2016-02-09	Water	Stage 2B											
ARP	4401388081	I-N-20160209	440-138808-11		2016-02-09	Water	Stage 2B											
ARP	4401388081	I-E-20160209	440-138808-12		2016-02-09	Water	Stage 2B											
ARP	4401388081	I-M-20160209	440-138808-13		2016-02-09	Water	Stage 2B											
ARP	4401388081	I-D-20160209	440-138808-14		2016-02-09	Water	Stage 2B											
ARP	4401388081	I-C-20160209	440-138808-15		2016-02-09	Water	Stage 2B											
ARP	4401388081	I-S-20160209	440-138808-16		2016-02-09	Water	Stage 2B											
ARP	4401388081	I-L-20160209	440-138808-17		2016-02-09	Water	Stage 2B											
ARP	4401388081	I-Y-20160209	440-138808-18		2016-02-09	Water	Stage 2B											
ARP	4401388081	I-R-20160209	440-138808-19		2016-02-09	Water	Stage 2B											
ARP	4401388081	I-W-20160209	440-138808-2		2016-02-09	Water	Stage 2B											
ARP	4401388081	I-B-20160209	440-138808-20		2016-02-09	Water	Stage 2B											
ARP	4401388081	I-AB-20160209	440-138808-21		2016-02-09	Water	Stage 2B											
ARP	4401388081	I-AA-20160209	440-138808-22		2016-02-09	Water	Stage 2B											
ARP	4401388081	I-AR-20160209	440-138808-23		2016-02-09	Water	Stage 2B											
ARP	4401388081	DUP 1-20160209	440-138808-24		2016-02-09	Water	Stage 2B											
ARP	4401388081	I-P-20160209	440-138808-3		2016-02-09	Water	Stage 2B											
ARP	4401388081	I-H-20160209	440-138808-4		2016-02-09	Water	Stage 2B											
ARP	4401388081	I-U-20160209	440-138808-5		2016-02-09	Water	Stage 2B											
ARP	4401388081	I-T-20160209	440-138808-6		2016-02-09	Water	Stage 2B											

Table I. Sample Cross Reference

Sampling Event	SDG	Client ID	Lab ID	QC Type	Sample Date	Matrix	Validation Level	Specific Conductivity (2510B)	TDS (2540C)	TSS (2540D)	NH_3 as N (4500-NH3D)	BOD (5210B)	DOC (5310B)	TOC (5310C)	TOX (9020B)	Sulfide (9034)	pH (9040C)	pH (WPH)
ARP	4401388081	I-G-20160209	440-138808-7		2016-02-09	Water	Stage 2B											
ARP	4401388081	I-Q-20160209	440-138808-8		2016-02-09	Water	Stage 2B											
ARP	4401388081	I-X-20160209	440-138808-9		2016-02-09	Water	Stage 2B											
ARP	4401388151	M-80-20160219	440-138815-1		2016-02-19	Water	Stage 2B											
ARP	4401388151	DUP-9-20160219	440-138815-2		2016-02-19	Water	Stage 2B											
ARP	4401402231	ART-4-20160307	440-140223-1		2016-03-07	Water	Stage 2B											
ARP	4401402231	PC-115R-20160307	440-140223-10		2016-03-07	Water	Stage 2B											
ARP	4401402231	PC-116R-20160307	440-140223-11		2016-03-07	Water	Stage 2B											
ARP	4401402231	PC-117-20160307	440-140223-12		2016-03-07	Water	Stage 2B											
ARP	4401402231	PC-118-20160307	440-140223-13		2016-03-07	Water	Stage 2B											
ARP	4401402231	PC-119-20160307	440-140223-14		2016-03-07	Water	Stage 2B											
ARP	4401402231	PC-120-20160307	440-140223-15		2016-03-07	Water	Stage 2B											
ARP	4401402231	PC-121-20160307	440-140223-16		2016-03-07	Water	Stage 2B											
ARP	4401402231	PC-133-20160307	440-140223-17		2016-03-07	Water	Stage 2B											
ARP	4401402231	ART-3A-20160307	440-140223-2		2016-03-07	Water	Stage 2B											
ARP	4401402231	ART-8A-20160307	440-140223-3		2016-03-07	Water	Stage 2B											
ARP	4401402231	ART-2-20160307	440-140223-4		2016-03-07	Water	Stage 2B											
ARP	4401402231	ART-1-20160307	440-140223-5		2016-03-07	Water	Stage 2B											
ARP	4401402231	ART-7A-20160307	440-140223-6		2016-03-07	Water	Stage 2B											
ARP	4401402231	ART-9-20160307	440-140223-7		2016-03-07	Water	Stage 2B											
ARP	4401402231	PC-150-20160307	440-140223-8		2016-03-07	Water	Stage 2B											
ARP	4401402231	PC-99R2/R3-20160307	440-140223-9		2016-03-07	Water	Stage 2B											
ARP	4401403401	ART-4-20160307	440-140340-1		2016-03-07	Water	Stage 2B		X									X
ARP	4401403401	PC-115R-20160307	440-140340-10		2016-03-07	Water	Stage 2B		X									X
ARP	4401403401	PC-116R-20160307	440-140340-11		2016-03-07	Water	Stage 2B		X									X
ARP	4401403401	PC-117-20160307	440-140340-12		2016-03-07	Water	Stage 2B		X									X
ARP	4401403401	PC-118-20160307	440-140340-13		2016-03-07	Water	Stage 2B		X									X
ARP	4401403401	PC-119-20160307	440-140340-14		2016-03-07	Water	Stage 2B		X									X
ARP	4401403401	PC-120-20160307	440-140340-15		2016-03-07	Water	Stage 2B		X									X
ARP	4401403401	PC-121-20160307	440-140340-16		2016-03-07	Water	Stage 2B		X									X
ARP	4401403401	PC-133-20160307	440-140340-17		2016-03-07	Water	Stage 2B		X									X
ARP	4401403401	ART-3A-20160307	440-140340-2		2016-03-07	Water	Stage 2B		X									X
ARP	4401403401	ART-8A-20160307	440-140340-3		2016-03-07	Water	Stage 2B		X									X
ARP	4401403401	ART-2-20160307	440-140340-4		2016-03-07	Water	Stage 2B		X									X
ARP	4401403401	ART-1-20160307	440-140340-5		2016-03-07	Water	Stage 2B		X									X
ARP	4401403401	ART-7A-20160307	440-140340-6		2016-03-07	Water	Stage 2B		X									X
ARP	4401403401	ART-9-20160307	440-140340-7		2016-03-07	Water	Stage 2B		X									X
ARP	4401403401	PC-150-20160307	440-140340-8		2016-03-07	Water	Stage 2B		X									X
ARP	4401403401	PC-99R2/R3-20160307	440-140340-9		2016-03-07	Water	Stage 2B		X									X
ARP	4401408431	ART-6-20160310	440-140843-1		2016-03-10	Water	Stage 2B											

Table I. Sample Cross Reference

Sampling Event	SDG	Client ID	Lab ID	QC Type	Sample Date	Matrix	Validation Level	Specific Conductivity (2510B)	TDS (2540C)	TSS (2540D)	NH_3 as N (4500-NH3D)	BOD (5210B)	DOC (5310B)	TOC (5310C)	TOX (9020B)	Sulfide (9034)	pH (9040C)	pH (WPH)
ARP	4401409371	PC-18-20160310	440-140937-1		2016-03-10	Water	Stage 2B		X									X
ARP	4401409371	MW-K5-20160310	440-140937-10		2016-03-10	Water	Stage 2B		X									X
ARP	4401409371	ARP-7-20160310	440-140937-11		2016-03-10	Water	Stage 2B		X									X
ARP	4401409371	ARP-6B-20160310	440-140937-12		2016-03-10	Water	Stage 2B		X									X
ARP	4401409371	ARP-5A-20160310	440-140937-13		2016-03-10	Water	Stage 2B		X									X
ARP	4401409371	ARP-4A-20160310	440-140937-14		2016-03-10	Water	Stage 2B		X									X
ARP	4401409371	MW-K4-20160310	440-140937-15		2016-03-10	Water	Stage 2B		X									X
ARP	4401409371	PC-101R-20160310	440-140937-16		2016-03-10	Water	Stage 2B		X									X
ARP	4401409371	PC-122-20160310	440-140937-17		2016-03-10	Water	Stage 2B		X									X
ARP	4401409371	M-83-20160310	440-140937-18		2016-03-10	Water	Stage 2B		X									X
ARP	4401409371	PC-55-20160310	440-140937-2		2016-03-10	Water	Stage 2B		X									X
ARP	4401409371	ARP-1-20160310	440-140937-3		2016-03-10	Water	Stage 2B		X									X
ARP	4401409371	PC-98R-20160310	440-140937-4		2016-03-10	Water	Stage 2B		X									X
ARP	4401409371	PC-103-20160310	440-140937-5		2016-03-10	Water	Stage 2B		X									X
ARP	4401409371	ARP-2A-20160310	440-140937-6		2016-03-10	Water	Stage 2B		X									X
ARP	4401409371	MEB-1-20160310	440-140937-7	EB	2016-03-10	Water	Stage 2B											X
ARP	4401409371	ARP-3A-20160310	440-140937-8		2016-03-10	Water	Stage 2B		X									X
ARP	4401409371	PC-53-20160310	440-140937-9		2016-03-10	Water	Stage 2B		X									X
ARP	4401409431	ART-6-20160310	440-140943-1		2016-03-10	Water	Stage 4		X									X
ARP	4401410701	I-O-20160311	440-141070-1		2016-03-11	Water	Stage 2B											
ARP	4401410701	I-X-20160311	440-141070-10		2016-03-11	Water	Stage 2B											
ARP	4401410701	I-N-20160311	440-141070-11		2016-03-11	Water	Stage 2B											
ARP	4401410701	I-E-20160311	440-141070-12		2016-03-11	Water	Stage 2B											
ARP	4401410701	I-M-20160311	440-141070-13		2016-03-11	Water	Stage 2B											
ARP	4401410701	I-D-20160311	440-141070-14		2016-03-11	Water	Stage 2B											
ARP	4401410701	I-C-20160311	440-141070-15		2016-03-11	Water	Stage 2B											
ARP	4401410701	I-S-20160311	440-141070-16		2016-03-11	Water	Stage 2B											
ARP	4401410701	I-L-20160311	440-141070-17		2016-03-11	Water	Stage 2B											
ARP	4401410701	I-Y-20160311	440-141070-18		2016-03-11	Water	Stage 2B											
ARP	4401410701	I-R-20160311	440-141070-19		2016-03-11	Water	Stage 2B											
ARP	4401410701	I-W-20160311	440-141070-2		2016-03-11	Water	Stage 2B											
ARP	4401410701	I-B-20160311	440-141070-20		2016-03-11	Water	Stage 2B											
ARP	4401410701	I-AB-20160311	440-141070-21		2016-03-11	Water	Stage 2B											
ARP	4401410701	I-AA-20160311	440-141070-22		2016-03-11	Water	Stage 2B											
ARP	4401410701	I-AR-20160311	440-141070-23		2016-03-11	Water	Stage 2B											
ARP	4401410701	I-P-20160311	440-141070-3		2016-03-11	Water	Stage 2B											
ARP	4401410701	I-H-20160311	440-141070-4		2016-03-11	Water	Stage 2B											
ARP	4401410701	I-U-20160311	440-141070-5		2016-03-11	Water	Stage 2B											
ARP	4401410701	I-T-20160311	440-141070-6		2016-03-11	Water	Stage 2B											
ARP	4401410701	I-G-20160311	440-141070-7		2016-03-11	Water	Stage 2B											

Table I. Sample Cross Reference

Sampling Event	SDG	Client ID	Lab ID	QC Type	Sample Date	Matrix	Validation Level	Specific Conductivity (2510B)	TDS (2540C)	TSS (2540D)	NH_3 as N (4500-NH3D)	BOD (5210B)	DOC (5310B)	TOC (5310C)	TOX (9020B)	Sulfide (9034)	pH (9040C)	pH (WPH)
ARP	4401410701	I-Q-20160311	440-141070-8		2016-03-11	Water	Stage 2B											
ARP	4401410701	I-F-20160311	440-141070-9		2016-03-11	Water	Stage 2B											
ARP	4401410831	I-O-20160311	440-141083-1		2016-03-11	Water	Stage 2B		X									X
ARP	4401410831	I-X-20160311	440-141083-10		2016-03-11	Water	Stage 2B		X									X
ARP	4401410831	I-N-20160311	440-141083-11		2016-03-11	Water	Stage 2B		X									X
ARP	4401410831	I-E-20160311	440-141083-12		2016-03-11	Water	Stage 2B		X									X
ARP	4401410831	I-M-20160311	440-141083-13		2016-03-11	Water	Stage 2B		X									X
ARP	4401410831	I-D-20160311	440-141083-14		2016-03-11	Water	Stage 2B		X									X
ARP	4401410831	I-C-20160311	440-141083-15		2016-03-11	Water	Stage 2B		X									X
ARP	4401410831	I-S-20160311	440-141083-16		2016-03-11	Water	Stage 2B		X									X
ARP	4401410831	I-L-20160311	440-141083-17		2016-03-11	Water	Stage 2B		X									X
ARP	4401410831	I-Y-20160311	440-141083-18		2016-03-11	Water	Stage 2B		X									X
ARP	4401410831	I-R-20160311	440-141083-19		2016-03-11	Water	Stage 2B		X									X
ARP	4401410831	I-W-20160311	440-141083-2		2016-03-11	Water	Stage 2B		X									X
ARP	4401410831	I-B-20160311	440-141083-20		2016-03-11	Water	Stage 2B		X									X
ARP	4401410831	I-AB-20160311	440-141083-21		2016-03-11	Water	Stage 2B		X									X
ARP	4401410831	I-AA-20160311	440-141083-22		2016-03-11	Water	Stage 2B		X									X
ARP	4401410831	I-AR-20160311	440-141083-23		2016-03-11	Water	Stage 2B		X									X
ARP	4401410831	I-P-20160311	440-141083-3		2016-03-11	Water	Stage 2B		X									X
ARP	4401410831	I-H-20160311	440-141083-4		2016-03-11	Water	Stage 2B		X									X
ARP	4401410831	I-U-20160311	440-141083-5		2016-03-11	Water	Stage 2B		X									X
ARP	4401410831	I-T-20160311	440-141083-6		2016-03-11	Water	Stage 2B		X									X
ARP	4401410831	I-G-20160311	440-141083-7		2016-03-11	Water	Stage 2B		X									X
ARP	4401410831	I-Q-20160311	440-141083-8		2016-03-11	Water	Stage 2B		X									X
ARP	4401410831	I-F-20160311	440-141083-9		2016-03-11	Water	Stage 2B		X									X
ARP	4401412591	PC-97-20160314	440-141259-1		2016-03-14	Water	Stage 2B		X									X
ARP	4401412591	PC-86-20160314	440-141259-10		2016-03-14	Water	Stage 2B		X									X
ARP	4401412591	PC-90-20160314	440-141259-2		2016-03-14	Water	Stage 2B		X									X
ARP	4401412591	PC-91-20160314	440-141259-3		2016-03-14	Water	Stage 2B		X									X
ARP	4401412591	PC-58-20160314	440-141259-4		2016-03-14	Water	Stage 2B		X									X
ARP	4401412591	PC-56-20160314	440-141259-5		2016-03-14	Water	Stage 2B		X									X
ARP	4401412591	PC-60-20160314	440-141259-6		2016-03-14	Water	Stage 2B		X									X
ARP	4401412591	PC-59-20160314	440-141259-7		2016-03-14	Water	Stage 2B		X									X
ARP	4401412591	PC-62-20160314	440-141259-8		2016-03-14	Water	Stage 2B		X									X
ARP	4401412591	PC-68-20160314	440-141259-9		2016-03-14	Water	Stage 2B		X									X
ARP	4401414981	I-AD-20160315	440-141498-1		2016-03-15	Water	Stage 2B		X									X
ARP	4401414981	I-K-20160315	440-141498-2		2016-03-15	Water	Stage 2B		X									X
ARP	4401414981	I-J-20160315	440-141498-3		2016-03-15	Water	Stage 2B		X									X
ARP	4401414981	I-AC-20160315	440-141498-4		2016-03-15	Water	Stage 2B		X									X
ARP	4401414981	I-I-20160315	440-141498-5		2016-03-15	Water	Stage 2B		X									X

Table I. Sample Cross Reference

Sampling Event	SDG	Client ID	Lab ID	QC Type	Sample Date	Matrix	Validation Level	Specific Conductivity (2510B)	TDS (2540C)	TSS (2540D)	NH_3 as N (4500-NH3D)	BOD (5210B)	DOC (5310B)	TOC (5310C)	TOX (9020B)	Sulfide (9034)	pH (9040C)	pH (WPH)
ARP	4401414981	I-Z-20160315	440-141498-6		2016-03-15	Water	Stage 2B		X									X
ARP	4401414981	I-V-20160315	440-141498-7		2016-03-15	Water	Stage 2B		X									X
ARP	4401429381	I-AD-20160315	440-142938-1		2016-03-15	Water	Stage 2B											
ARP	4401429381	I-K-20160315	440-142938-2		2016-03-15	Water	Stage 2B											
ARP	4401429381	I-J-20160315	440-142938-3		2016-03-15	Water	Stage 2B											
ARP	4401429381	I-AC-20160315	440-142938-4		2016-03-15	Water	Stage 2B											
ARP	4401429381	I-I-20160315	440-142938-5		2016-03-15	Water	Stage 2B											
ARP	4401429381	I-Z-20160315	440-142938-6		2016-03-15	Water	Stage 2B											
ARP	4401429381	I-V-20160315	440-142938-7		2016-03-15	Water	Stage 2B											
ARP	4401433401	PC-99R2/R3-20160404	440-143340-1		2016-04-04	Water	Stage 2B		X									X
ARP	4401433401	ART-4-20160404	440-143340-10		2016-04-04	Water	Stage 2B		X									X
ARP	4401433401	ART-3A-20160404	440-143340-11		2016-04-04	Water	Stage 2B		X									X
ARP	4401433401	ART-8A-20160404	440-143340-12		2016-04-04	Water	Stage 2B		X									X
ARP	4401433401	ART-7A-20160404	440-143340-13		2016-04-04	Water	Stage 2B		X									X
ARP	4401433401	ART-2-20160404	440-143340-14		2016-04-04	Water	Stage 2B		X									X
ARP	4401433401	ART-1A-20160404	440-143340-15		2016-04-04	Water	Stage 2B		X									X
ARP	4401433401	ART-9-20160404	440-143340-16		2016-04-04	Water	Stage 2B		X									X
ARP	4401433401	PC-150-20160404	440-143340-17		2016-04-04	Water	Stage 2B		X									X
ARP	4401433401	PC-115R-20160404	440-143340-2		2016-04-04	Water	Stage 2B		X									X
ARP	4401433401	PC-116R-20160404	440-143340-3		2016-04-04	Water	Stage 2B		X									X
ARP	4401433401	PC-117-20160404	440-143340-4		2016-04-04	Water	Stage 2B		X									X
ARP	4401433401	PC-118-20160404	440-143340-5		2016-04-04	Water	Stage 2B		X									X
ARP	4401433401	PC-119-20160404	440-143340-6		2016-04-04	Water	Stage 2B		X									X
ARP	4401433401	PC-120-20160404	440-143340-7		2016-04-04	Water	Stage 2B		X									X
ARP	4401433401	PC-121-20160404	440-143340-8		2016-04-04	Water	Stage 2B		X									X
ARP	4401433401	PC-133-20160404	440-143340-9		2016-04-04	Water	Stage 2B		X									X
ARP	4401433451	PC-99R2/R3-20160404	440-143345-1		2016-04-04	Water	Stage 4											
ARP	4401433451	ART-4-20160404	440-143345-10		2016-04-04	Water	Stage 4											
ARP	4401433451	ART-3A-20160404	440-143345-11		2016-04-04	Water	Stage 4											
ARP	4401433451	ART-8A-20160404	440-143345-12		2016-04-04	Water	Stage 4											
ARP	4401433451	ART-7A-20160404	440-143345-13		2016-04-04	Water	Stage 4											
ARP	4401433451	ART-2-20160404	440-143345-14		2016-04-04	Water	Stage 4											
ARP	4401433451	ART-1A-20160404	440-143345-15		2016-04-04	Water	Stage 4											
ARP	4401433451	ART-9-20160404	440-143345-16		2016-04-04	Water	Stage 4											
ARP	4401433451	PC-150-20160404	440-143345-17		2016-04-04	Water	Stage 4											
ARP	4401433451	PC-115R-20160404	440-143345-2		2016-04-04	Water	Stage 4											
ARP	4401433451	PC-116R-20160404	440-143345-3		2016-04-04	Water	Stage 4											
ARP	4401433451	PC-117-20160404	440-143345-4		2016-04-04	Water	Stage 4											
ARP	4401433451	PC-118-20160404	440-143345-5		2016-04-04	Water	Stage 4											
ARP	4401433451	PC-119-20160404	440-143345-6		2016-04-04	Water	Stage 4											

Table I. Sample Cross Reference

Sampling Event	SDG	Client ID	Lab ID	QC Type	Sample Date	Matrix	Validation Level	Specific Conductivity (2510B)	TDS (2540C)	TSS (2540D)	NH_3 as N (4500-NH3D)	BOD (5210B)	DOC (5310B)	TOC (5310C)	TOX (9020B)	Sulfide (9034)	pH (9040C)	pH (WPH)
ARP	4401433451	PC-120-20160404	440-143345-7		2016-04-04	Water	Stage 4											
ARP	4401433451	PC-121-20160404	440-143345-8		2016-04-04	Water	Stage 4											
ARP	4401433451	PC-133-20160404	440-143345-9		2016-04-04	Water	Stage 4											
ARP	4401435401	I-O-20160405	440-143540-1		2016-04-05	Water	Stage 2B		X									X
ARP	4401435401	I-X-20160405	440-143540-10		2016-04-05	Water	Stage 2B		X									X
ARP	4401435401	I-N-20160405	440-143540-11		2016-04-05	Water	Stage 2B		X									X
ARP	4401435401	I-E-20160405	440-143540-12		2016-04-05	Water	Stage 2B		X									X
ARP	4401435401	I-M-20160405	440-143540-13		2016-04-05	Water	Stage 2B		X									X
ARP	4401435401	I-D-20160405	440-143540-14		2016-04-05	Water	Stage 2B		X									X
ARP	4401435401	I-C-20160405	440-143540-15		2016-04-05	Water	Stage 2B		X									X
ARP	4401435401	I-S-20160405	440-143540-16		2016-04-05	Water	Stage 2B		X									X
ARP	4401435401	I-W-20160405	440-143540-2		2016-04-05	Water	Stage 2B		X									X
ARP	4401435401	I-P-20160405	440-143540-3		2016-04-05	Water	Stage 2B		X									X
ARP	4401435401	I-H-20160405	440-143540-4		2016-04-05	Water	Stage 2B		X									X
ARP	4401435401	I-U-20160405	440-143540-5		2016-04-05	Water	Stage 2B		X									X
ARP	4401435401	I-G-20160405	440-143540-6		2016-04-05	Water	Stage 2B		X									X
ARP	4401435401	I-Q-20160405	440-143540-7		2016-04-05	Water	Stage 2B		X									X
ARP	4401435401	I-T-20160405	440-143540-8		2016-04-05	Water	Stage 2B		X									X
ARP	4401435401	I-F-20160405	440-143540-9		2016-04-05	Water	Stage 2B		X									X
ARP	4401437051	PC-86-20160406	440-143705-1		2016-04-06	Water	Stage 2B		X									X
ARP	4401437051	PC-97-20160406	440-143705-10		2016-04-06	Water	Stage 2B		X									X
ARP	4401437051	M-83-20160406	440-143705-11		2016-04-06	Water	Stage 2B		X									X
ARP	4401437051	MEB-1-20160406	440-143705-12	EB	2016-04-06	Water	Stage 2B											X
ARP	4401437051	PC-68-20160406	440-143705-2		2016-04-06	Water	Stage 2B		X									X
ARP	4401437051	PC-62-20160406	440-143705-3		2016-04-06	Water	Stage 2B		X									X
ARP	4401437051	PC-60-20160406	440-143705-4		2016-04-06	Water	Stage 2B		X									X
ARP	4401437051	PC-59-20160406	440-143705-5		2016-04-06	Water	Stage 2B		X									X
ARP	4401437051	PC-56-20160406	440-143705-6		2016-04-06	Water	Stage 2B		X									X
ARP	4401437051	PC-58-20160406	440-143705-7		2016-04-06	Water	Stage 2B		X									X
ARP	4401437051	PC-91-20160406	440-143705-8		2016-04-06	Water	Stage 2B		X									X
ARP	4401437051	PC-90-20160406	440-143705-9		2016-04-06	Water	Stage 2B		X									X
ARP	4401438691	I-O-20160405	440-143869-1		2016-04-05	Water	Stage 2B											
ARP	4401438691	I-X-20160405	440-143869-10		2016-04-05	Water	Stage 2B											
ARP	4401438691	I-N-20160405	440-143869-11		2016-04-05	Water	Stage 2B											
ARP	4401438691	I-E-20160405	440-143869-12		2016-04-05	Water	Stage 2B											
ARP	4401438691	I-M-20160405	440-143869-13		2016-04-05	Water	Stage 2B											
ARP	4401438691	I-D-20160405	440-143869-14		2016-04-05	Water	Stage 2B											
ARP	4401438691	I-C-20160405	440-143869-15		2016-04-05	Water	Stage 2B											
ARP	4401438691	I-S-20160405	440-143869-16		2016-04-05	Water	Stage 2B											
ARP	4401438691	I-W-20160405	440-143869-2		2016-04-05	Water	Stage 2B											

Table I. Sample Cross Reference

Sampling Event	SDG	Client ID	Lab ID	QC Type	Sample Date	Matrix	Validation Level	Specific Conductivity (2510B)	TDS (2540C)	TSS (2540D)	NH_3 as N (4500-NH3D)	BOD (5210B)	DOC (5310B)	TOC (5310C)	TOX (9020B)	Sulfide (9034)	pH (9040C)	pH (WPH)
ARP	4401438691	I-P-20160405	440-143869-3		2016-04-05	Water	Stage 2B											
ARP	4401438691	I-H-20160405	440-143869-4		2016-04-05	Water	Stage 2B											
ARP	4401438691	I-U-20160405	440-143869-5		2016-04-05	Water	Stage 2B											
ARP	4401438691	I-G-20160405	440-143869-6		2016-04-05	Water	Stage 2B											
ARP	4401438691	I-Q-20160405	440-143869-7		2016-04-05	Water	Stage 2B											
ARP	4401438691	I-T-20160405	440-143869-8		2016-04-05	Water	Stage 2B											
ARP	4401438691	I-F-20160405	440-143869-9		2016-04-05	Water	Stage 2B											
ARP	4401438791	PC-18-20160407	440-143879-1		2016-04-07	Water	Stage 2B		X									X
ARP	4401438791	ARP-6B-20160407	440-143879-10		2016-04-07	Water	Stage 2B		X									X
ARP	4401438791	ARP-5A-20160407	440-143879-11		2016-04-07	Water	Stage 2B		X									X
ARP	4401438791	ARP-4A-20160407	440-143879-12		2016-04-07	Water	Stage 2B		X									X
ARP	4401438791	MW-K4-20160407	440-143879-13		2016-04-07	Water	Stage 2B		X									X
ARP	4401438791	ARP-3A-20160407	440-143879-14		2016-04-07	Water	Stage 2B		X									X
ARP	4401438791	ARP-2A-20160407	440-143879-15		2016-04-07	Water	Stage 2B		X									X
ARP	4401438791	PC-101R-20160407	440-143879-16		2016-04-07	Water	Stage 2B		X									X
ARP	4401438791	PC-55-20160407	440-143879-2		2016-04-07	Water	Stage 2B		X									X
ARP	4401438791	ARP-1-20160407	440-143879-3		2016-04-07	Water	Stage 2B		X									X
ARP	4401438791	PC-98R-20160407	440-143879-4		2016-04-07	Water	Stage 2B		X									X
ARP	4401438791	PC-103-20160407	440-143879-5		2016-04-07	Water	Stage 2B		X									X
ARP	4401438791	PC-53-20160407	440-143879-6		2016-04-07	Water	Stage 2B		X									X
ARP	4401438791	MW-K5-20160407	440-143879-7		2016-04-07	Water	Stage 2B		X									X
ARP	4401438791	PC-122-20160407	440-143879-8		2016-04-07	Water	Stage 2B		X									X
ARP	4401438791	ARP-7-20160407	440-143879-9		2016-04-07	Water	Stage 2B		X									X
ARP	4401438831	ART-6-20160407	440-143883-1		2016-04-07	Water	Stage 2B		X									X
ARP	4401439201	I-AR-20160408	440-143920-1		2016-04-08	Water	Stage 2B		X									X
ARP	4401439201	I-J-20160408	440-143920-10		2016-04-08	Water	Stage 2B		X									X
ARP	4401439201	I-Z-20160408	440-143920-11		2016-04-08	Water	Stage 2B		X									X
ARP	4401439201	I-I-20160408	440-143920-12		2016-04-08	Water	Stage 2B		X									X
ARP	4401439201	I-V-20160408	440-143920-13		2016-04-08	Water	Stage 2B		X									X
ARP	4401439201	I-L-20160408	440-143920-2		2016-04-08	Water	Stage 2B		X									X
ARP	4401439201	I-Y-20160408	440-143920-3		2016-04-08	Water	Stage 2B		X									X
ARP	4401439201	I-R-20160408	440-143920-4		2016-04-08	Water	Stage 2B		X									X
ARP	4401439201	I-B-20160408	440-143920-5		2016-04-08	Water	Stage 2B		X									X
ARP	4401439201	I-AA-20160408	440-143920-6		2016-04-08	Water	Stage 2B		X									X
ARP	4401439201	I-AD-20160408	440-143920-7		2016-04-08	Water	Stage 2B		X									X
ARP	4401439201	I-AC-20160408	440-143920-8		2016-04-08	Water	Stage 2B		X									X
ARP	4401439201	I-K-20160408	440-143920-9		2016-04-08	Water	Stage 2B		X									X
ARP	4401459491	ART-6-20160407	440-145949-1		2016-04-07	Water	Stage 2B											
ARP	4401459511	I-AR-20160408	440-145951-1		2016-04-08	Water	Stage 2B											
ARP	4401459511	I-J-20160408	440-145951-10		2016-04-08	Water	Stage 2B											

Table I. Sample Cross Reference

Sampling Event	SDG	Client ID	Lab ID	QC Type	Sample Date	Matrix	Validation Level	Specific Conductivity (2510B)	TDS (2540C)	TSS (2540D)	NH_3 as N (4500-NH3D)	BOD (5210B)	DOC (5310B)	TOC (5310C)	TOX (9020B)	Sulfide (9034)	pH (9040C)	pH (WPH)
ARP	4401459511	I-Z-20160408	440-145951-11		2016-04-08	Water	Stage 2B											
ARP	4401459511	I-V-20160408	440-145951-12		2016-04-08	Water	Stage 2B											
ARP	4401459511	I-I-20160408	440-145951-13		2016-04-08	Water	Stage 2B											
ARP	4401459511	I-L-20160408	440-145951-2		2016-04-08	Water	Stage 2B											
ARP	4401459511	I-Y-20160408	440-145951-3		2016-04-08	Water	Stage 2B											
ARP	4401459511	I-R-20160408	440-145951-4		2016-04-08	Water	Stage 2B											
ARP	4401459511	I-B-20160408	440-145951-5		2016-04-08	Water	Stage 2B											
ARP	4401459511	I-AA-20160408	440-145951-6		2016-04-08	Water	Stage 2B											
ARP	4401459511	I-AD-20160408	440-145951-7		2016-04-08	Water	Stage 2B											
ARP	4401459511	I-AC-20160408	440-145951-8		2016-04-08	Water	Stage 2B											
ARP	4401459511	I-K-20160408	440-145951-9		2016-04-08	Water	Stage 2B											
ARP	4401460231	I-O-20160502	440-146023-1		2016-05-02	Water	Stage 2B		X									X
ARP	4401460231	I-W-20160502	440-146023-2		2016-05-02	Water	Stage 2B		X									X
ARP	4401460231	I-P-20160502	440-146023-3		2016-05-02	Water	Stage 2B		X									X
ARP	4401460231	I-H-20160502	440-146023-4		2016-05-02	Water	Stage 2B		X									X
ARP	4401460231	I-U-20160502	440-146023-5		2016-05-02	Water	Stage 2B		X									X
ARP	4401460231	I-T-20160502	440-146023-6		2016-05-02	Water	Stage 2B		X									X
ARP	4401460231	I-G-20160502	440-146023-7		2016-05-02	Water	Stage 2B		X									X
ARP	4401460231	I-Q-20160502	440-146023-8		2016-05-02	Water	Stage 2B		X									X
ARP	4401460231	I-F-20160502	440-146023-9		2016-05-02	Water	Stage 2B		X									X
ARP	4401460341	PC-99R2/R3-20160502	440-146034-1		2016-05-02	Water	Stage 2B		X									X
ARP	4401460341	ART-4A-20160502	440-146034-10		2016-05-02	Water	Stage 2B		X									X
ARP	4401460341	ART-3A-20160502	440-146034-11		2016-05-02	Water	Stage 2B		X									X
ARP	4401460341	ART-8A-20160502	440-146034-12		2016-05-02	Water	Stage 2B		X									X
ARP	4401460341	ART-2-20160502	440-146034-13		2016-05-02	Water	Stage 2B		X									X
ARP	4401460341	ART-1-20160502	440-146034-14		2016-05-02	Water	Stage 2B		X									X
ARP	4401460341	PC-150-20160502	440-146034-15		2016-05-02	Water	Stage 2B		X									X
ARP	4401460341	ART-9-20160502	440-146034-16		2016-05-02	Water	Stage 2B		X									X
ARP	4401460341	ART-7A-20160502	440-146034-17		2016-05-02	Water	Stage 2B		X									X
ARP	4401460341	ART-6-20160502	440-146034-18		2016-05-02	Water	Stage 2B		X									X
ARP	4401460341	PC-115R-20160502	440-146034-2		2016-05-02	Water	Stage 2B		X									X
ARP	4401460341	PC-116R-20160502	440-146034-3		2016-05-02	Water	Stage 2B		X									X
ARP	4401460341	PC-117-20160502	440-146034-4		2016-05-02	Water	Stage 2B		X									X
ARP	4401460341	PC-118-20160502	440-146034-5		2016-05-02	Water	Stage 2B		X									X
ARP	4401460341	PC-119-20160502	440-146034-6		2016-05-02	Water	Stage 2B		X									X
ARP	4401460341	PC-120-20160502	440-146034-7		2016-05-02	Water	Stage 2B		X									X
ARP	4401460341	PC-121-20160502	440-146034-8		2016-05-02	Water	Stage 2B		X									X
ARP	4401460341	PC-133-20160502	440-146034-9		2016-05-02	Water	Stage 2B		X									X
ARP	4401461591	PC-99R2/R3-20160502	440-146159-1		2016-05-02	Water	Stage 2B											
ARP	4401461591	ART-4A-20160502	440-146159-10		2016-05-02	Water	Stage 2B											

Table I. Sample Cross Reference

Sampling Event	SDG	Client ID	Lab ID	QC Type	Sample Date	Matrix	Validation Level	Specific Conductivity (2510B)	TDS (2540C)	TSS (2540D)	NH_3 as N (4500-NH3D)	BOD (5210B)	DOC (5310B)	TOC (5310C)	TOX (9020B)	Sulfide (9034)	pH (9040C)	pH (WPH)
ARP	4401461591	ART-3A-20160502	440-146159-11		2016-05-02	Water	Stage 2B											
ARP	4401461591	ART-8A-20160502	440-146159-12		2016-05-02	Water	Stage 2B											
ARP	4401461591	ART-2-20160502	440-146159-13		2016-05-02	Water	Stage 2B											
ARP	4401461591	ART-1-20160502	440-146159-14		2016-05-02	Water	Stage 2B											
ARP	4401461591	PC-150-20160502	440-146159-15		2016-05-02	Water	Stage 2B											
ARP	4401461591	ART-9-20160502	440-146159-16		2016-05-02	Water	Stage 2B											
ARP	4401461591	ART-7A-20160502	440-146159-17		2016-05-02	Water	Stage 2B											
ARP	4401461591	ART-6-20160502	440-146159-18		2016-05-02	Water	Stage 2B											
ARP	4401461591	PC-115R-20160502	440-146159-2		2016-05-02	Water	Stage 2B											
ARP	4401461591	PC-116R-20160502	440-146159-3		2016-05-02	Water	Stage 2B											
ARP	4401461591	PC-117-20160502	440-146159-4		2016-05-02	Water	Stage 2B											
ARP	4401461591	PC-118-20160502	440-146159-5		2016-05-02	Water	Stage 2B											
ARP	4401461591	PC-119-20160502	440-146159-6		2016-05-02	Water	Stage 2B											
ARP	4401461591	PC-120-20160502	440-146159-7		2016-05-02	Water	Stage 2B											
ARP	4401461591	PC-121-20160502	440-146159-8		2016-05-02	Water	Stage 2B											
ARP	4401461591	PC-133-20160502	440-146159-9		2016-05-02	Water	Stage 2B											
ARP	4401461601	I-O-20160502	440-146160-1		2016-05-02	Water	Stage 2B											
ARP	4401461601	I-W-20160502	440-146160-2		2016-05-02	Water	Stage 2B											
ARP	4401461601	I-P-20160502	440-146160-3		2016-05-02	Water	Stage 2B											
ARP	4401461601	I-H-20160502	440-146160-4		2016-05-02	Water	Stage 2B											
ARP	4401461601	I-U-20160502	440-146160-5		2016-05-02	Water	Stage 2B											
ARP	4401461601	I-T-20160502	440-146160-6		2016-05-02	Water	Stage 2B											
ARP	4401461601	I-G-20160502	440-146160-7		2016-05-02	Water	Stage 2B											
ARP	4401461601	I-Q-20160502	440-146160-8		2016-05-02	Water	Stage 2B											
ARP	4401461601	I-F-20160502	440-146160-9		2016-05-02	Water	Stage 2B											
ARP	4401461901	I-X-20160503	440-146190-1		2016-05-03	Water	Stage 2B		X									X
ARP	4401461901	I-R-20160503	440-146190-10		2016-05-03	Water	Stage 2B		X									X
ARP	4401461901	I-B-20160503	440-146190-11		2016-05-03	Water	Stage 2B		X									X
ARP	4401461901	I-AB-20160503	440-146190-12		2016-05-03	Water	Stage 2B		X									X
ARP	4401461901	I-AA-20160503	440-146190-13		2016-05-03	Water	Stage 2B		X									X
ARP	4401461901	I-AR-20160503	440-146190-14		2016-05-03	Water	Stage 2B		X									X
ARP	4401461901	EB-1-20160503	440-146190-15	EB	2016-05-03	Water	Stage 2B		X									
ARP	4401461901	I-N-20160503	440-146190-2		2016-05-03	Water	Stage 2B		X									X
ARP	4401461901	I-E-20160503	440-146190-3		2016-05-03	Water	Stage 2B		X									X
ARP	4401461901	I-M-20160503	440-146190-4		2016-05-03	Water	Stage 2B		X									X
ARP	4401461901	I-D-20160503	440-146190-5		2016-05-03	Water	Stage 2B		X									X
ARP	4401461901	I-C-20160503	440-146190-6		2016-05-03	Water	Stage 2B		X									X
ARP	4401461901	I-S-20160503	440-146190-7		2016-05-03	Water	Stage 2B		X									X
ARP	4401461901	I-L-20160503	440-146190-8		2016-05-03	Water	Stage 2B		X									X
ARP	4401461901	I-Y-20160503	440-146190-9		2016-05-03	Water	Stage 2B		X									X

Table I. Sample Cross Reference

Sampling Event	SDG	Client ID	Lab ID	QC Type	Sample Date	Matrix	Validation Level	Specific Conductivity (2510B)	TDS (2540C)	TSS (2540D)	NH_3 as N (4500-NH3D)	BOD (5210B)	DOC (5310B)	TOC (5310C)	TOX (9020B)	Sulfide (9034)	pH (9040C)	pH (WPH)
ARP	4401464031	I-X-20160503	440-146403-1		2016-05-03	Water	Stage 4											
ARP	4401464031	I-R-20160503	440-146403-10		2016-05-03	Water	Stage 4											
ARP	4401464031	I-B-20160503	440-146403-11		2016-05-03	Water	Stage 4											
ARP	4401464031	I-AB-20160503	440-146403-12		2016-05-03	Water	Stage 4											
ARP	4401464031	I-AA-20160503	440-146403-13		2016-05-03	Water	Stage 4											
ARP	4401464031	I-AR-20160503	440-146403-14		2016-05-03	Water	Stage 4											
ARP	4401464031	EB-I-20160503	440-146403-15	EB	2016-05-03	Water	Stage 2B											
ARP	4401464031	I-N-20160503	440-146403-2		2016-05-03	Water	Stage 4											
ARP	4401464031	I-E-20160503	440-146403-3		2016-05-03	Water	Stage 4											
ARP	4401464031	I-M-20160503	440-146403-4		2016-05-03	Water	Stage 4											
ARP	4401464031	I-D-20160503	440-146403-5		2016-05-03	Water	Stage 4											
ARP	4401464031	I-C-20160503	440-146403-6		2016-05-03	Water	Stage 4											
ARP	4401464031	I-S-20160503	440-146403-7		2016-05-03	Water	Stage 4											
ARP	4401464031	I-L-20160503	440-146403-8		2016-05-03	Water	Stage 4											
ARP	4401464031	I-Y-20160503	440-146403-9		2016-05-03	Water	Stage 4											
ARP	4401464051	PC-58-20160504	440-146405-1		2016-05-04	Water	Stage 2B		X									X
ARP	4401464051	PC-91-20160504	440-146405-10		2016-05-04	Water	Stage 2B		X									X
ARP	4401464051	PC-92-20160504	440-146405-11		2016-05-04	Water	Stage 2B		X									X
ARP	4401464051	PC-90-20160504	440-146405-12		2016-05-04	Water	Stage 2B		X									X
ARP	4401464051	PC-97-20160504	440-146405-13		2016-05-04	Water	Stage 2B		X									X
ARP	4401464051	PC-56-20160504	440-146405-2		2016-05-04	Water	Stage 2B		X									X
ARP	4401464051	PC-60-20160504	440-146405-3		2016-05-04	Water	Stage 2B		X									X
ARP	4401464051	PC-59-20160504	440-146405-4		2016-05-04	Water	Stage 2B		X									X
ARP	4401464051	PC-62-20160504	440-146405-5		2016-05-04	Water	Stage 2B		X									X
ARP	4401464051	EB-2-20160504	440-146405-6	EB	2016-05-04	Water	Stage 2B		X									X
ARP	4401464051	PC-86-20160504	440-146405-7		2016-05-04	Water	Stage 2B		X									X
ARP	4401464051	PC-68-20160504	440-146405-8		2016-05-04	Water	Stage 2B		X									X
ARP	4401464051	PC-94-20160504	440-146405-9		2016-05-04	Water	Stage 2B		X									X
ARP	4401465931	PC-53-20160505	440-146593-1		2016-05-05	Water	Stage 2B		X									X
ARP	4401465931	PC-101R-20160505	440-146593-10		2016-05-05	Water	Stage 2B		X									X
ARP	4401465931	ARP-3A-20160505	440-146593-11		2016-05-05	Water	Stage 2B		X									X
ARP	4401465931	MEB-1-20160505	440-146593-12	EB	2016-05-05	Water	Stage 2B											X
ARP	4401465931	ARP-2A-20160505	440-146593-13		2016-05-05	Water	Stage 2B		X									X
ARP	4401465931	EB-2B-20160505	440-146593-14	EB	2016-05-05	Water	Stage 2B		X									X
ARP	4401465931	PC-103-20160505	440-146593-15		2016-05-05	Water	Stage 2B		X									X
ARP	4401465931	PC-98R-20160505	440-146593-16		2016-05-05	Water	Stage 2B		X									X
ARP	4401465931	MW-K5-20160505	440-146593-2		2016-05-05	Water	Stage 2B		X									X
ARP	4401465931	PC-122-20160505	440-146593-3		2016-05-05	Water	Stage 2B		X									X
ARP	4401465931	ARP-7-20160505	440-146593-4		2016-05-05	Water	Stage 2B		X									X
ARP	4401465931	ARP-6B-20160505	440-146593-5		2016-05-05	Water	Stage 2B		X									X

Table I. Sample Cross Reference

Sampling Event	SDG	Client ID	Lab ID	QC Type	Sample Date	Matrix	Validation Level	Specific Conductivity (2510B)	TDS (2540C)	TSS (2540D)	NH_3 as N (4500-NH3D)	BOD (5210B)	DOC (5310B)	TOC (5310C)	TOX (9020B)	Sulfide (9034)	pH (9040C)	pH (WPH)
ARP	4401465931	ARP-5A-20160505	440-146593-6		2016-05-05	Water	Stage 2B		X									X
ARP	4401465931	ARP-4A-20160505	440-146593-7		2016-05-05	Water	Stage 2B		X									X
ARP	4401465931	MW-K4-20160505	440-146593-8		2016-05-05	Water	Stage 2B		X									X
ARP	4401465931	PC-144-20160505	440-146593-9		2016-05-05	Water	Stage 2B		X									X
ARP	4401466531	PC-18-20160506	440-146653-1		2016-05-06	Water	Stage 2B		X									X
ARP	4401466531	PC-55-20160506	440-146653-2		2016-05-06	Water	Stage 2B		X									X
ARP	4401466531	ARP-1-20160506	440-146653-3		2016-05-06	Water	Stage 2B		X									X
ARP	4401466531	PC-142-20160506	440-146653-4		2016-05-06	Water	Stage 2B		X									X
ARP	4401466531	EB-3-20160506	440-146653-5	EB	2016-05-06	Water	Stage 2B		X									X
ARP	4401466531	HMW-16-20160506	440-146653-6		2016-05-06	Water	Stage 2B		X									X
ARP	4401468651	PC-123-20160509	440-146865-1		2016-05-09	Water	Stage 2B		X									X
ARP	4401468651	PC-125-20160509	440-146865-10		2016-05-09	Water	Stage 2B		X									X
ARP	4401468651	PC-126-20160509	440-146865-11		2016-05-09	Water	Stage 2B		X									X
ARP	4401468651	PC-24-20160509	440-146865-12		2016-05-09	Water	Stage 2B		X									X
ARP	4401468651	PC-127-20160509	440-146865-13		2016-05-09	Water	Stage 2B		X									X
ARP	4401468651	DUP-1-20160509	440-146865-14		2016-05-09	Water	Stage 2B		X									X
ARP	4401468651	PC-79-20160509	440-146865-15		2016-05-09	Water	Stage 2B		X									X
ARP	4401468651	PC-82-20160509	440-146865-16		2016-05-09	Water	Stage 2B		X									X
ARP	4401468651	PC-128-20160509	440-146865-2		2016-05-09	Water	Stage 2B		X									X
ARP	4401468651	PC-129-20160509	440-146865-3		2016-05-09	Water	Stage 2B		X									X
ARP	4401468651	PC-130-20160509	440-146865-4		2016-05-09	Water	Stage 2B		X									X
ARP	4401468651	PC-50-20160509	440-146865-5		2016-05-09	Water	Stage 2B		X									X
ARP	4401468651	PC-131-20160509	440-146865-6		2016-05-09	Water	Stage 2B		X									X
ARP	4401468651	EB-4-20160509	440-146865-7	EB	2016-05-09	Water	Stage 2B		X									X
ARP	4401468651	PC-132-20160509	440-146865-8		2016-05-09	Water	Stage 2B		X									X
ARP	4401468651	PC-124-20160509	440-146865-9		2016-05-09	Water	Stage 2B		X									X
ARP	4401470501	PC-148-20160510	440-147050-1		2016-05-10	Water	Stage 2B		X									X
ARP	4401470501	PC-134A-20160510	440-147050-10		2016-05-10	Water	Stage 2B		X									X
ARP	4401470501	EB-4B-20160510	440-147050-11	EB	2016-05-10	Water	Stage 2B		X									X
ARP	4401470501	DUP-2-20160510	440-147050-12		2016-05-10	Water	Stage 2B		X									X
ARP	4401470501	DUP-3-20160510	440-147050-13		2016-05-10	Water	Stage 2B		X									X
ARP	4401470501	PC-149-20160510	440-147050-2		2016-05-10	Water	Stage 2B		X									X
ARP	4401470501	PC-143-20160510	440-147050-3		2016-05-10	Water	Stage 2B		X									X
ARP	4401470501	PC-137-20160510	440-147050-4		2016-05-10	Water	Stage 2B		X									X
ARP	4401470501	PC-136-20160510	440-147050-5		2016-05-10	Water	Stage 2B		X									X
ARP	4401470501	PC-145-20160510	440-147050-6		2016-05-10	Water	Stage 2B		X									X
ARP	4401470501	PC-4-20160510	440-147050-7		2016-05-10	Water	Stage 2B		X									X
ARP	4401470501	PC-2-20160510	440-147050-8		2016-05-10	Water	Stage 2B		X									X
ARP	4401470501	PC-135A-20160510	440-147050-9		2016-05-10	Water	Stage 2B		X									X
ARP	4401472721	PC-66-20160511	440-147272-1		2016-05-11	Water	Stage 2B		X									X

Table I. Sample Cross Reference

Sampling Event	SDG	Client ID	Lab ID	QC Type	Sample Date	Matrix	Validation Level	Specific Conductivity (2510B)	TDS (2540C)	TSS (2540D)	NH_3 as N (4500-NH3D)	BOD (5210B)	DOC (5310B)	TOC (5310C)	TOX (9020B)	Sulfide (9034)	pH (9040C)	pH (WPH)
ARP	4401472721	PC-65-20160511	440-147272-10		2016-05-11	Water	Stage 2B		X									X
ARP	4401472721	PC-71-20160511	440-147272-11		2016-05-11	Water	Stage 2B		X									X
ARP	4401472721	H-58A-20160511	440-147272-12		2016-05-11	Water	Stage 2B		X									X
ARP	4401472721	PC-37-20160511	440-147272-13		2016-05-11	Water	Stage 2B		X									X
ARP	4401472721	H-48-20160511	440-147272-14		2016-05-11	Water	Stage 2B		X									X
ARP	4401472721	PC-64-20160511	440-147272-15		2016-05-11	Water	Stage 2B		X									X
ARP	4401472721	EB-5-20160511	440-147272-16	EB	2016-05-11	Water	Stage 2B		X									X
ARP	4401472721	PC-67-20160511	440-147272-2		2016-05-11	Water	Stage 2B		X									X
ARP	4401472721	PC-31-20160511	440-147272-3		2016-05-11	Water	Stage 2B		X									X
ARP	4401472721	PC-28-20160511	440-147272-4		2016-05-11	Water	Stage 2B		X									X
ARP	4401472721	PC-73-20160511	440-147272-5		2016-05-11	Water	Stage 2B		X									X
ARP	4401472721	M-44-20160511	440-147272-6		2016-05-11	Water	Stage 2B		X									X
ARP	4401472721	PC-72-20160511	440-147272-7		2016-05-11	Water	Stage 2B		X									X
ARP	4401472721	PC-40-20160511	440-147272-8		2016-05-11	Water	Stage 2B		X									X
ARP	4401472721	MC-65-20160511	440-147272-9		2016-05-11	Water	Stage 2B		X									X
ARP	4401473891	PC-54-20160512	440-147389-1		2016-05-12	Water	Stage 4		X									X
ARP	4401473891	EB-6-20160512	440-147389-10	EB	2016-05-12	Water	Stage 4		X									X
ARP	4401473891	DUP-5-20160512	440-147389-11		2016-05-12	Water	Stage 4											X
ARP	4401473891	MC-51-20160512	440-147389-12		2016-05-12	Water	Stage 4		X									X
ARP	4401473891	MC-50-20160512	440-147389-13		2016-05-12	Water	Stage 4		X									X
ARP	4401473891	MC-45-20160512	440-147389-14		2016-05-12	Water	Stage 4		X									X
ARP	4401473891	M-48A-20160512	440-147389-2		2016-05-12	Water	Stage 4											X
ARP	4401473891	MC-7-20160512	440-147389-3		2016-05-12	Water	Stage 4		X									X
ARP	4401473891	MC-3-20160512	440-147389-4		2016-05-12	Water	Stage 4		X									X
ARP	4401473891	M-95-20160512	440-147389-5		2016-05-12	Water	Stage 4		X									X
ARP	4401473891	PC-21A-20160512	440-147389-6		2016-05-12	Water	Stage 4											X
ARP	4401473891	MC-29-20160512	440-147389-7		2016-05-12	Water	Stage 4		X									X
ARP	4401473891	M-23-20160512	440-147389-8		2016-05-12	Water	Stage 4		X									X
ARP	4401473891	MC-53-20160512	440-147389-9		2016-05-12	Water	Stage 4		X									X
ARP	4401474721	AA-01-20160513	440-147472-1		2016-05-13	Water	Stage 2B		X									X
ARP	4401474721	HM-2-20160513	440-147472-2		2016-05-13	Water	Stage 2B		X									X
ARP	4401474721	MC-6-20160513	440-147472-3		2016-05-13	Water	Stage 2B		X									X
ARP	4401474721	MC-69-20160513	440-147472-4		2016-05-13	Water	Stage 2B		X									X
ARP	4401474721	EB-7-20160513	440-147472-5	EB	2016-05-13	Water	Stage 2B		X									X
ARP	4401474721	MC-97-20160513	440-147472-6		2016-05-13	Water	Stage 2B		X									X
ARP	4401474721	MC-93-20160513	440-147472-7		2016-05-13	Water	Stage 2B		X									X
ARP	4401476261	M-165-20160516	440-147626-1		2016-05-16	Water	Stage 2B		X									X
ARP	4401476261	M-186-20160516	440-147626-2		2016-05-16	Water	Stage 2B		X									X
ARP	4401476261	M-120-20160516	440-147626-3		2016-05-16	Water	Stage 2B		X									X
ARP	4401476261	M-117-20160516	440-147626-4		2016-05-16	Water	Stage 2B		X									X

Table I. Sample Cross Reference

Sampling Event	SDG	Client ID	Lab ID	QC Type	Sample Date	Matrix	Validation Level	Specific Conductivity (2510B)	TDS (2540C)	TSS (2540D)	NH_3 as N (4500-NH3D)	BOD (5210B)	DOC (5310B)	TOC (5310C)	TOX (9020B)	Sulfide (9034)	pH (9040C)	pH (WPH)
ARP	4401476321	M-182-20160516	440-147632-1		2016-05-16	Water	Stage 2B		X									X
ARP	4401476321	M-181-20160516	440-147632-2		2016-05-16	Water	Stage 2B		X									X
ARP	4401476321	M-151-20160516	440-147632-3		2016-05-16	Water	Stage 2B		X									X
ARP	4401476321	M-118-20160516	440-147632-4		2016-05-16	Water	Stage 2B		X									X
ARP	4401477951	M-121-20160517	440-147795-1		2016-05-17	Water	Stage 2B		X									X
ARP	4401477951	TR-9-20160517	440-147795-2		2016-05-17	Water	Stage 2B		X									X
ARP	4401477951	TR-10-20160517	440-147795-3		2016-05-17	Water	Stage 2B		X									X
ARP	4401478091	M-161-20160517	440-147809-1		2016-05-17	Water	Stage 2B		X									X
ARP	4401478091	M-162-20160517	440-147809-2		2016-05-17	Water	Stage 2B		X									X
ARP	4401478091	M-163-20160517	440-147809-3		2016-05-17	Water	Stage 2B		X									X
ARP	4401478091	M-164-20160517	440-147809-4		2016-05-17	Water	Stage 2B		X									X
ARP	4401479401	TR-5-20160518	440-147940-1		2016-05-18	Water	Stage 2B		X									X
ARP	4401479401	TR-6-20160518	440-147940-2		2016-05-18	Water	Stage 2B		X									X
ARP	4401479401	M-103-20160518	440-147940-3		2016-05-18	Water	Stage 2B		X									X
ARP	4401479401	H-11-20160518	440-147940-4		2016-05-18	Water	Stage 2B		X									X
ARP	4401479431	M-155-20160518	440-147943-1		2016-05-18	Water	Stage 2B		X									X
ARP	4401479431	M-153-20160518	440-147943-2		2016-05-18	Water	Stage 2B		X									X
ARP	4401479431	M-149-20160518	440-147943-3		2016-05-18	Water	Stage 2B		X									X
ARP	4401480141	PC-110-20160519	440-148014-1		2016-05-19	Water	Stage 2B		X									X
ARP	4401480141	HMW-14-20160519	440-148014-10		2016-05-19	Water	Stage 2B		X									X
ARP	4401480141	HMW-15-20160519	440-148014-11		2016-05-19	Water	Stage 2B		X									X
ARP	4401480141	PC-108-20160519	440-148014-2		2016-05-19	Water	Stage 2B		X									X
ARP	4401480141	PC-107-20160519	440-148014-3		2016-05-19	Water	Stage 2B		X									X
ARP	4401480141	PC-77-20160519	440-148014-4		2016-05-19	Water	Stage 2B		X									X
ARP	4401480141	PC-74-20160519	440-148014-5		2016-05-19	Water	Stage 2B		X									X
ARP	4401480141	PC-96-20160519	440-148014-6		2016-05-19	Water	Stage 2B		X									X
ARP	4401480141	HMW-13-20160519	440-148014-7		2016-05-19	Water	Stage 2B		X									X
ARP	4401480141	DUP-6-20160519	440-148014-8		2016-05-19	Water	Stage 2B		X									X
ARP	4401480141	EB-7B-20160519	440-148014-9	EB	2016-05-19	Water	Stage 2B		X									X
ARP	4401480301	M-154-20160519	440-148030-1		2016-05-19	Water	Stage 2B		X									X
ARP	4401480301	M-150-20160519	440-148030-2		2016-05-19	Water	Stage 2B		X									X
ARP	4401480301	TR-4-20160519	440-148030-3		2016-05-19	Water	Stage 2B		X									X
ARP	4401480351	M-152-20160519	440-148035-1		2016-05-19	Water	Stage 2B		X									X
ARP	4401480351	M-156-20160519	440-148035-2		2016-05-19	Water	Stage 2B		X									X
ARP	4401480351	TR-11-20160519	440-148035-3		2016-05-19	Water	Stage 2B		X									X
ARP	4401480351	EB-8-20160519	440-148035-4	EB	2016-05-19	Water	Stage 2B		X									X
ARP	4401480661	TR-8-20160520	440-148066-1		2016-05-20	Water	Stage 2B		X									X
ARP	4401480661	TR-7-20160520	440-148066-2		2016-05-20	Water	Stage 2B		X									X
ARP	4401480661	TR-3-20160520	440-148066-3		2016-05-20	Water	Stage 2B		X									X
ARP	4401480681	TR-1-20160520	440-148068-1		2016-05-20	Water	Stage 2B		X									X

Table I. Sample Cross Reference

Sampling Event	SDG	Client ID	Lab ID	QC Type	Sample Date	Matrix	Validation Level	Specific Conductivity (2510B)	TDS (2540C)	TSS (2540D)	NH_3 as N (4500-NH3D)	BOD (5210B)	DOC (5310B)	TOC (5310C)	TOX (9020B)	Sulfide (9034)	pH (9040C)	pH (WPH)
ARP	4401480681	TR-2-20160520	440-148068-2		2016-05-20	Water	Stage 2B		X									X
ARP	4401480681	TR-12-20160520	440-148068-3		2016-05-20	Water	Stage 2B		X									X
ARP	4401480811	EB-7-20160513	440-148081-1	EB	2016-05-13	Water	Stage 2B											
ARP	4401480841	EB-7-20160519	440-148084-1	EB	2016-05-19	Water	Stage 2B											
ARP	4401482241	M-92-20160523	440-148224-1		2016-05-23	Water	Stage 4		X									X
ARP	4401482241	M-38-20160523	440-148224-10		2016-05-23	Water	Stage 4		X									X
ARP	4401482241	DUP-7-20160523	440-148224-11		2016-05-23	Water	Stage 4		X									X
ARP	4401482241	M-22A-20160523	440-148224-12		2016-05-23	Water	Stage 4		X									X
ARP	4401482241	M-79-20160523	440-148224-13		2016-05-23	Water	Stage 4		X									X
ARP	4401482241	M-64-20160523	440-148224-14		2016-05-23	Water	Stage 4		X									X
ARP	4401482241	M-69-20160523	440-148224-15		2016-05-23	Water	Stage 4		X									X
ARP	4401482241	FB-20160523	440-148224-16	FB	2016-05-23	Water	Stage 4		X									X
ARP	4401482241	M-136-20160523	440-148224-17		2016-05-23	Water	Stage 4		X									X
ARP	4401482241	M-135-20160523	440-148224-18		2016-05-23	Water	Stage 4		X									X
ARP	4401482241	M-134-20160523	440-148224-19		2016-05-23	Water	Stage 4		X									X
ARP	4401482241	M-97-20160523	440-148224-2		2016-05-23	Water	Stage 4		X									X
ARP	4401482241	M-14A-20160523	440-148224-3		2016-05-23	Water	Stage 4		X									X
ARP	4401482241	M-37-20160523	440-148224-4		2016-05-23	Water	Stage 4		X									X
ARP	4401482241	M-25-20160523	440-148224-5		2016-05-23	Water	Stage 4		X									X
ARP	4401482241	DUP-8-20160523	440-148224-6		2016-05-23	Water	Stage 4		X									X
ARP	4401482241	M-65-20160523	440-148224-7		2016-05-23	Water	Stage 4		X									X
ARP	4401482241	M-66-20160523	440-148224-8		2016-05-23	Water	Stage 4		X									X
ARP	4401482241	EB-10-20160523	440-148224-9	EB	2016-05-23	Water	Stage 4		X									X
ARP	4401482281	M-95-20160512	440-148228-1		2016-05-12	Water	Stage 4											
ARP	4401482281	EB-6-20160512	440-148228-2	EB	2016-05-12	Water	Stage 2B											
ARP	4401482331	M-37-20160523	440-148233-1		2016-05-23	Water	Stage 2B											
ARP	4401482331	DUP-8-20160523	440-148233-2		2016-05-23	Water	Stage 2B											
ARP	4401482331	EB-10-20160523	440-148233-3	EB	2016-05-23	Water	Stage 2B											
ARP	4401482331	DUP-7-20160523	440-148233-4		2016-05-23	Water	Stage 2B											
ARP	4401482331	M-38-20160523	440-148233-5		2016-05-23	Water	Stage 2B											
ARP	4401482331	FB-20160523	440-148233-6	FB	2016-05-23	Water	Stage 2B											
ARP	4401483581	M-57A-20160524	440-148358-1		2016-05-24	Water	Stage 4		X									X
ARP	4401483581	M-68-20160524	440-148358-10		2016-05-24	Water	Stage 4		X									X
ARP	4401483581	I-AC-20160524	440-148358-11		2016-05-24	Water	Stage 4		X									X
ARP	4401483581	I-K-20160524	440-148358-12		2016-05-24	Water	Stage 4		X									X
ARP	4401483581	M-74-20160524	440-148358-13		2016-05-24	Water	Stage 4		X									X
ARP	4401483581	I-J-20160524	440-148358-14		2016-05-24	Water	Stage 4		X									X
ARP	4401483581	I-Z-20160524	440-148358-15		2016-05-24	Water	Stage 4		X									X
ARP	4401483581	I-I-20160524	440-148358-16		2016-05-24	Water	Stage 4		X									X
ARP	4401483581	M-67-20160524	440-148358-17		2016-05-24	Water	Stage 4		X									X

Table I. Sample Cross Reference

Sampling Event	SDG	Client ID	Lab ID	QC Type	Sample Date	Matrix	Validation Level	Specific Conductivity (2510B)	TDS (2540C)	TSS (2540D)	NH_3 as N (4500-NH3D)	BOD (5210B)	DOC (5310B)	TOC (5310C)	TOX (9020B)	Sulfide (9034)	pH (9040C)	pH (WPH)
ARP	4401483581	M-73-20160524	440-148358-18		2016-05-24	Water	Stage 4		X									X
ARP	4401483581	EB-9-20160524	440-148358-19	EB	2016-05-24	Water	Stage 4		X									X
ARP	4401483581	M-131-20160524	440-148358-2		2016-05-24	Water	Stage 4		X									X
ARP	4401483581	I-V-20160524	440-148358-20		2016-05-24	Water	Stage 4		X									X
ARP	4401483581	M-83-20160524	440-148358-21		2016-05-24	Water	Stage 4		X									X
ARP	4401483581	M-80-20160524	440-148358-22		2016-05-24	Water	Stage 4		X									X
ARP	4401483581	M-81A-20160524	440-148358-23		2016-05-24	Water	Stage 4		X									X
ARP	4401483581	FB-2-20160524	440-148358-24	FB	2016-05-24	Water	Stage 4		X									X
ARP	4401483581	M-70-20160524	440-148358-25		2016-05-24	Water	Stage 4		X									X
ARP	4401483581	M-71-20160524	440-148358-26		2016-05-24	Water	Stage 4		X									X
ARP	4401483581	M-72-20160524	440-148358-27		2016-05-24	Water	Stage 4		X									X
ARP	4401483581	M-115-20160524	440-148358-3		2016-05-24	Water	Stage 4		X									X
ARP	4401483581	M-76-20160524	440-148358-4		2016-05-24	Water	Stage 4		X									X
ARP	4401483581	M-2A-20160524	440-148358-5		2016-05-24	Water	Stage 4		X									X
ARP	4401483581	M-35-20160524	440-148358-6		2016-05-24	Water	Stage 4		X									X
ARP	4401483581	DUP-9-20160524	440-148358-7		2016-05-24	Water	Stage 4		X									X
ARP	4401483581	M-19-20160524	440-148358-8		2016-05-24	Water	Stage 4		X									X
ARP	4401483581	I-AD-20160524	440-148358-9		2016-05-24	Water	Stage 4		X									X
ARP	4401484731	M-123-20160525	440-148473-1		2016-05-25	Water	Stage 2B		X									X
ARP	4401484731	EB-12-20160525	440-148473-10	EB	2016-05-25	Water	Stage 2B		X									X
ARP	4401484731	M-137-20160525	440-148473-11		2016-05-25	Water	Stage 2B		X									X
ARP	4401484731	M-138-20160525	440-148473-12		2016-05-25	Water	Stage 2B		X									X
ARP	4401484731	M-128-20160525	440-148473-13		2016-05-25	Water	Stage 2B		X									X
ARP	4401484731	M-124-20160525	440-148473-14		2016-05-25	Water	Stage 2B		X									X
ARP	4401484731	DUP-11-20160525	440-148473-2		2016-05-25	Water	Stage 2B		X									X
ARP	4401484731	M-132-20160525	440-148473-3		2016-05-25	Water	Stage 2B		X									X
ARP	4401484731	M-133-20160525	440-148473-4		2016-05-25	Water	Stage 2B		X									X
ARP	4401484731	M-33-20160525	440-148473-5		2016-05-25	Water	Stage 2B		X									X
ARP	4401484731	M-32-20160525	440-148473-6		2016-05-25	Water	Stage 2B		X									X
ARP	4401484731	M-77-20160525	440-148473-7		2016-05-25	Water	Stage 2B		X									X
ARP	4401484731	M-52-20160525	440-148473-8		2016-05-25	Water	Stage 2B		X									X
ARP	4401484731	M-21-20160525	440-148473-9		2016-05-25	Water	Stage 2B		X									X
ARP	4401485631	M-125-20160526	440-148563-1		2016-05-26	Water	Stage 2B		X									X
ARP	4401485631	M-12A-20160526	440-148563-2		2016-05-26	Water	Stage 2B		X									X
ARP	4401485631	DUP-12-20160526	440-148563-3		2016-05-26	Water	Stage 2B		X									X
ARP	4401485631	M-13-20160526	440-148563-4		2016-05-26	Water	Stage 2B		X									X
ARP	4401485631	DUP-11B-20160526	440-148563-5		2016-05-26	Water	Stage 2B		X									X
ARP	4401485631	M-11-20160526	440-148563-6		2016-05-26	Water	Stage 2B		X									X
ARP	4401485631	M-31A-20160526	440-148563-7		2016-05-26	Water	Stage 2B		X									X
ARP	4401485631	EB-13-20160526	440-148563-8	EB	2016-05-26	Water	Stage 2B		X									X

Table I. Sample Cross Reference

Sampling Event	SDG	Client ID	Lab ID	QC Type	Sample Date	Matrix	Validation Level	Specific Conductivity (2510B)	TDS (2540C)	TSS (2540D)	NH_3 as N (4500-NH3D)	BOD (5210B)	DOC (5310B)	TOC (5310C)	TOX (9020B)	Sulfide (9034)	pH (9040C)	pH (WPH)
ARP	4401485631	M-145-20160526	440-148563-9		2016-05-26	Water	Stage 2B		X									X
ARP	4401486041	MW-16-20160527	440-148604-1		2016-05-27	Water	Stage 2B		X									X
ARP	4401486041	M-146-20160527	440-148604-2		2016-05-27	Water	Stage 2B		X									X
ARP	4401486041	M-144-20160527	440-148604-3		2016-05-27	Water	Stage 2B		X									X
ARP	4401486041	M-75-20160527	440-148604-4		2016-05-27	Water	Stage 2B		X									X
ARP	4401486041	PC-91-20160527	440-148604-5		2016-05-27	Water	Stage 2B											X
ARP	4401486041	PC-90-20160527	440-148604-6		2016-05-27	Water	Stage 2B											X
ARP	4401486041	PC-86-20160527	440-148604-7		2016-05-27	Water	Stage 2B											X
ARP	4401486071	H-28A-20160527	440-148607-1		2016-05-27	Water	Stage 2B	X	X					X	X			X
ARP	4401486071	M-6A-20160527	440-148607-2		2016-05-27	Water	Stage 2B	X	X					X	X			X
ARP	4401486071	M-5A-20160527	440-148607-3		2016-05-27	Water	Stage 2B	X	X					X	X			X
ARP	4401486201	M-12A-20160526	440-148620-1		2016-05-26	Water	Stage 2B											
ARP	4401486201	DUP-11B-20160526	440-148620-2		2016-05-26	Water	Stage 2B											
ARP	4401486201	M-11-20160526	440-148620-3		2016-05-26	Water	Stage 2B											
ARP	4401486201	EB-13-20160526	440-148620-4	EB	2016-05-26	Water	Stage 2B											
ARP	4401486201	DUP-12-20160526	440-148620-5		2016-05-26	Water	Stage 2B											
ARP	4401486221	EB-12-20160525	440-148622-1	EB	2016-05-25	Water	Stage 2B											
ARP	4401487351	M-80-20160531	440-148735-1		2016-05-31	Water	Stage 2B											
ARP	4401487921	M-7B-20160531	440-148792-1		2016-05-31	Water	Stage 4	X	X					X	X			X
ARP	4401488391	PC-103-20160531	440-148839-1		2016-05-31	Water	Stage 2B											X
ARP	4401488391	M-148A-20160531	440-148839-2		2016-05-31	Water	Stage 2B		X									X
ARP	4401488391	EB-20-20160531	440-148839-3	EB	2016-05-31	Water	Stage 2B		X									X
ARP	4401488391	M-142-20160531	440-148839-4		2016-05-31	Water	Stage 2B		X									X
ARP	4401488391	M-126-20160531	440-148839-5		2016-05-31	Water	Stage 2B		X									X
ARP	4401491221	M-129-20160603	440-149122-1		2016-06-03	Water	Stage 2B		X									X
ARP	4401491221	M-130-20160603	440-149122-2		2016-06-03	Water	Stage 2B		X									X
ARP	4401491221	M-140-20160603	440-149122-3		2016-06-03	Water	Stage 2B		X									X
ARP	4401494311	M-10-20160607	440-149431-1		2016-06-07	Water	Stage 4		X									X
ARP	4401495401	M-139-20160607	440-149540-1		2016-06-07	Water	Stage 2B		X									X
ARP	4401496411	PC-58-20160608	440-149641-1		2016-06-08	Water	Stage 2B		X									X
ARP	4401496411	PC-97-20160608	440-149641-10		2016-06-08	Water	Stage 2B		X									X
ARP	4401496411	M-83-20160608	440-149641-11		2016-06-08	Water	Stage 2B		X									X
ARP	4401496411	PC-56-20160608	440-149641-2		2016-06-08	Water	Stage 2B		X									X
ARP	4401496411	PC-60-20160608	440-149641-3		2016-06-08	Water	Stage 2B		X									X
ARP	4401496411	PC-59-20160608	440-149641-4		2016-06-08	Water	Stage 2B		X									X
ARP	4401496411	PC-62-20160608	440-149641-5		2016-06-08	Water	Stage 2B		X									X
ARP	4401496411	PC-68-20160608	440-149641-6		2016-06-08	Water	Stage 2B		X									X
ARP	4401496411	PC-86-20160608	440-149641-7		2016-06-08	Water	Stage 2B		X									X
ARP	4401496411	PC-91-20160608	440-149641-8		2016-06-08	Water	Stage 2B		X									X
ARP	4401496411	PC-90-20160608	440-149641-9		2016-06-08	Water	Stage 2B		X									X

Table I. Sample Cross Reference

Sampling Event	SDG	Client ID	Lab ID	QC Type	Sample Date	Matrix	Validation Level	Specific Conductivity (2510B)	TDS (2540C)	TSS (2540D)	NH_3 as N (4500-NH3D)	BOD (5210B)	DOC (5310B)	TOC (5310C)	TOX (9020B)	Sulfide (9034)	pH (9040C)	pH (WPH)
ARP	4401496751	I-V-20160608	440-149675-1		2016-06-08	Water	Stage 2B		X									X
ARP	4401496751	I-I-20160608	440-149675-2		2016-06-08	Water	Stage 2B		X									X
ARP	4401496751	I-Z-20160608	440-149675-3		2016-06-08	Water	Stage 2B		X									X
ARP	4401496751	I-K-20160608	440-149675-4		2016-06-08	Water	Stage 2B		X									X
ARP	4401496751	I-J-20160608	440-149675-5		2016-06-08	Water	Stage 2B		X									X
ARP	4401496751	I-AC-20160608	440-149675-6		2016-06-08	Water	Stage 2B		X									X
ARP	4401496751	I-AD-20160608	440-149675-7		2016-06-08	Water	Stage 2B		X									X
ARP	4401496821	I-V-20160608	440-149682-1		2016-06-08	Water	Stage 2B											
ARP	4401496821	I-I-20160608	440-149682-2		2016-06-08	Water	Stage 2B											
ARP	4401496821	I-Z-20160608	440-149682-3		2016-06-08	Water	Stage 2B											
ARP	4401496821	I-K-20160608	440-149682-4		2016-06-08	Water	Stage 2B											
ARP	4401496821	I-J-20160608	440-149682-5		2016-06-08	Water	Stage 2B											
ARP	4401496821	I-AC-20160608	440-149682-6		2016-06-08	Water	Stage 2B											
ARP	4401496821	I-AD-20160608	440-149682-7		2016-06-08	Water	Stage 2B											
ARP	4401497771	ART-1A-20160609	440-149777-1		2016-06-09	Water	Stage 2B		X									X
ARP	4401497771	ART-2-20160609	440-149777-2		2016-06-09	Water	Stage 2B		X									X
ARP	4401497771	ART-3A-20160609	440-149777-3		2016-06-09	Water	Stage 2B		X									X
ARP	4401497771	ART-4-20160609	440-149777-4		2016-06-09	Water	Stage 2B		X									X
ARP	4401497771	ART-7B-20160609	440-149777-5		2016-06-09	Water	Stage 2B		X									X
ARP	4401497771	ART-8A-20160609	440-149777-6		2016-06-09	Water	Stage 2B		X									X
ARP	4401497771	ART-9-20160609	440-149777-7		2016-06-09	Water	Stage 2B		X									X
ARP	4401497771	PC-150-20160609	440-149777-8		2016-06-09	Water	Stage 2B		X									X
ARP	4401497831	PC-18-20160609	440-149783-1		2016-06-09	Water	Stage 2B		X									X
ARP	4401497831	PC-55-20160609	440-149783-2		2016-06-09	Water	Stage 2B		X									X
ARP	4401497831	ARP-1-20160609	440-149783-3		2016-06-09	Water	Stage 2B		X									X
ARP	4401497831	PC-103-20160609	440-149783-4		2016-06-09	Water	Stage 2B		X									X
ARP	4401497831	PC-98R-20160609	440-149783-5		2016-06-09	Water	Stage 2B		X									X
ARP	4401497921	ART-1A-20160609	440-149792-1		2016-06-09	Water	Stage 2B											
ARP	4401497921	ART-2-20160609	440-149792-2		2016-06-09	Water	Stage 2B											
ARP	4401497921	ART-3A-20160609	440-149792-3		2016-06-09	Water	Stage 2B											
ARP	4401497921	ART-4-20160609	440-149792-4		2016-06-09	Water	Stage 2B											
ARP	4401497921	ART-7B-20160609	440-149792-5		2016-06-09	Water	Stage 2B											
ARP	4401497921	ART-8A-20160609	440-149792-6		2016-06-09	Water	Stage 2B											
ARP	4401497921	ART-9-20160609	440-149792-7		2016-06-09	Water	Stage 2B											
ARP	4401497921	PC-150-20160609	440-149792-8		2016-06-09	Water	Stage 2B											
ARP	4401499171	PC-99R2/R3-20160613	440-149917-1		2016-06-13	Water	Stage 2B		X									X
ARP	4401499171	PC-115R-20160613	440-149917-2		2016-06-13	Water	Stage 2B		X									X
ARP	4401499171	PC-116R-20160613	440-149917-3		2016-06-13	Water	Stage 2B		X									X
ARP	4401499171	PC-117-20160613	440-149917-4		2016-06-13	Water	Stage 2B		X									X
ARP	4401499171	PC-118-20160613	440-149917-5		2016-06-13	Water	Stage 2B		X									X

Table I. Sample Cross Reference

Sampling Event	SDG	Client ID	Lab ID	QC Type	Sample Date	Matrix	Validation Level	Specific Conductivity (2510B)	TDS (2540C)	TSS (2540D)	NH_3 as N (4500-NH3D)	BOD (5210B)	DOC (5310B)	TOC (5310C)	TOX (9020B)	Sulfide (9034)	pH (9040C)	pH (WPH)
ARP	4401499171	PC-119-20160613	440-149917-6		2016-06-13	Water	Stage 2B		X									X
ARP	4401499171	PC-120-20160613	440-149917-7		2016-06-13	Water	Stage 2B		X									X
ARP	4401499171	PC-133-20160613	440-149917-8		2016-06-13	Water	Stage 2B		X									X
ARP	4401499171	PC-121-20160613	440-149917-9		2016-06-13	Water	Stage 2B		X									X
Q2S	4401499641	M-161D-TB-20160613	440-149964-1	TB	2016-06-13	Water	Stage 2B											
Q2S	4401499641	M-161D-20160613	440-149964-2		2016-06-13	Water	Stage 2B		X									
Q2S	4401499641	PC-153-20160613	440-149964-3		2016-06-13	Water	Stage 2B		X									
Q2S	4401499641	M-162D-20160613	440-149964-4		2016-06-13	Water	Stage 2B		X									
Q2S	4401499641	PC-152-20160613	440-149964-5		2016-06-13	Water	Stage 2B		X									
Q2S	4401499641	PC-151-20160613	440-149964-6		2016-06-13	Water	Stage 2B		X									
ARP	4401499681	ART-6-20160613	440-149968-1		2016-06-13	Water	Stage 2B											
ARP	4401499691	PC-53-20160613	440-149969-1		2016-06-13	Water	Stage 2B		X									X
ARP	4401499691	PC-101R-20160613	440-149969-10		2016-06-13	Water	Stage 2B		X									X
ARP	4401499691	ARP-3A-20160613	440-149969-11		2016-06-13	Water	Stage 2B		X									X
ARP	4401499691	MEB-1-20160613	440-149969-12	EB	2016-06-13	Water	Stage 2B											X
ARP	4401499691	ARP-2A-20160613	440-149969-13		2016-06-13	Water	Stage 2B		X									X
ARP	4401499691	MW-K5-20160613	440-149969-2		2016-06-13	Water	Stage 2B		X									X
ARP	4401499691	ART-6-20160613	440-149969-3		2016-06-13	Water	Stage 2B		X									X
ARP	4401499691	PC-122-20160613	440-149969-4		2016-06-13	Water	Stage 2B		X									X
ARP	4401499691	ARP-7-20160613	440-149969-5		2016-06-13	Water	Stage 2B		X									X
ARP	4401499691	ARP-6B-20160613	440-149969-6		2016-06-13	Water	Stage 2B		X									X
ARP	4401499691	ARP-5A-20160613	440-149969-7		2016-06-13	Water	Stage 2B		X									X
ARP	4401499691	ARP-4A-20160613	440-149969-8		2016-06-13	Water	Stage 2B		X									X
ARP	4401499691	MW-K4-20160613	440-149969-9		2016-06-13	Water	Stage 2B		X									X
ARP	4401499711	I-O-20160613	440-149971-1		2016-06-13	Water	Stage 2B											
ARP	4401499711	I-N-20160613	440-149971-10		2016-06-13	Water	Stage 2B											
ARP	4401499711	I-X-20160613	440-149971-11		2016-06-13	Water	Stage 2B											
ARP	4401499711	I-E-20160613	440-149971-12		2016-06-13	Water	Stage 2B											
ARP	4401499711	I-M-20160613	440-149971-13		2016-06-13	Water	Stage 2B											
ARP	4401499711	I-D-20160613	440-149971-14		2016-06-13	Water	Stage 2B											
ARP	4401499711	I-C-20160613	440-149971-15		2016-06-13	Water	Stage 2B											
ARP	4401499711	I-S-20160613	440-149971-16		2016-06-13	Water	Stage 2B											
ARP	4401499711	I-L-20160613	440-149971-17		2016-06-13	Water	Stage 2B											
ARP	4401499711	I-Y-20160613	440-149971-18		2016-06-13	Water	Stage 2B											
ARP	4401499711	I-R-20160613	440-149971-19		2016-06-13	Water	Stage 2B											
ARP	4401499711	I-W-20160613	440-149971-2		2016-06-13	Water	Stage 2B											
ARP	4401499711	I-B-20160613	440-149971-20		2016-06-13	Water	Stage 2B											
ARP	4401499711	I-AB-20160613	440-149971-21		2016-06-13	Water	Stage 2B											
ARP	4401499711	I-AA-20160613	440-149971-22		2016-06-13	Water	Stage 2B											
ARP	4401499711	I-AR-20160613	440-149971-23		2016-06-13	Water	Stage 2B											

Table I. Sample Cross Reference

Sampling Event	SDG	Client ID	Lab ID	QC Type	Sample Date	Matrix	Validation Level	Specific Conductivity (2510B)	TDS (2540C)	TSS (2540D)	NH_3 as N (4500-NH3D)	BOD (5210B)	DOC (5310B)	TOC (5310C)	TOX (9020B)	Sulfide (9034)	pH (9040C)	pH (WPH)
ARP	4401499711	I-P-20160613	440-149971-3		2016-06-13	Water	Stage 2B											
ARP	4401499711	I-H-20160613	440-149971-4		2016-06-13	Water	Stage 2B											
ARP	4401499711	I-U-20160613	440-149971-5		2016-06-13	Water	Stage 2B											
ARP	4401499711	I-T-20160613	440-149971-6		2016-06-13	Water	Stage 2B											
ARP	4401499711	I-G-20160613	440-149971-7		2016-06-13	Water	Stage 2B											
ARP	4401499711	I-Q-20160613	440-149971-8		2016-06-13	Water	Stage 2B											
ARP	4401499711	I-F-20160613	440-149971-9		2016-06-13	Water	Stage 2B											
ARP	4401499851	MW-K5-20160613	440-149985-1		2016-06-13	Water	Stage 2B											
ARP	4401499901	I-O-20160613	440-149990-1		2016-06-13	Water	Stage 2B		X									X
ARP	4401499901	I-X-20160613	440-149990-10		2016-06-13	Water	Stage 2B		X									X
ARP	4401499901	I-N-20160613	440-149990-11		2016-06-13	Water	Stage 2B		X									X
ARP	4401499901	I-E-20160613	440-149990-12		2016-06-13	Water	Stage 2B		X									X
ARP	4401499901	I-M-20160613	440-149990-13		2016-06-13	Water	Stage 2B		X									X
ARP	4401499901	I-D-20160613	440-149990-14		2016-06-13	Water	Stage 2B		X									X
ARP	4401499901	I-C-20160613	440-149990-15		2016-06-13	Water	Stage 2B		X									X
ARP	4401499901	I-S-20160613	440-149990-16		2016-06-13	Water	Stage 2B		X									X
ARP	4401499901	I-L-20160613	440-149990-17		2016-06-13	Water	Stage 2B		X									X
ARP	4401499901	I-Y-20160613	440-149990-18		2016-06-13	Water	Stage 2B		X									X
ARP	4401499901	I-R-20160613	440-149990-19		2016-06-13	Water	Stage 2B		X									X
ARP	4401499901	I-W-20160613	440-149990-2		2016-06-13	Water	Stage 2B		X									X
ARP	4401499901	I-B-20160613	440-149990-20		2016-06-13	Water	Stage 2B		X									X
ARP	4401499901	I-AB-20160613	440-149990-21		2016-06-13	Water	Stage 2B		X									X
ARP	4401499901	I-AA-20160613	440-149990-22		2016-06-13	Water	Stage 2B		X									X
ARP	4401499901	I-AR-20160613	440-149990-23		2016-06-13	Water	Stage 2B		X									X
ARP	4401499901	I-P-20160613	440-149990-3		2016-06-13	Water	Stage 2B		X									X
ARP	4401499901	I-H-20160613	440-149990-4		2016-06-13	Water	Stage 2B		X									X
ARP	4401499901	I-U-20160613	440-149990-5		2016-06-13	Water	Stage 2B		X									X
ARP	4401499901	I-T-20160613	440-149990-6		2016-06-13	Water	Stage 2B		X									X
ARP	4401499901	I-G-20160613	440-149990-7		2016-06-13	Water	Stage 2B		X									X
ARP	4401499901	I-Q-20160613	440-149990-8		2016-06-13	Water	Stage 2B		X									X
ARP	4401499901	I-F-20160613	440-149990-9		2016-06-13	Water	Stage 2B		X									X
Q2S	4401501181	PC-158-TB-20160614	440-150118-1	TB	2016-06-14	Water	Stage 2B											
Q2S	4401501181	M-186D-20160614	440-150118-10	FD9	2016-06-14	Water	Stage 2B		X									
Q2S	4401501181	M-186D-20160614-FD	440-150118-11	FD9	2016-06-14	Water	Stage 2B		X									
Q2S	4401501181	M-148A-20160614	440-150118-12		2016-06-14	Water	Stage 2B		X									
Q2S	4401501181	PC-158-20160614	440-150118-2		2016-06-14	Water	Stage 2B		X									
Q2S	4401501181	PC-154-20160614	440-150118-3		2016-06-14	Water	Stage 2B		X									
Q2S	4401501181	PC-157A-20160614	440-150118-4	FD10	2016-06-14	Water	Stage 4		X									
Q2S	4401501181	PC-157A-20160614-FD	440-150118-5	FD10	2016-06-14	Water	Stage 4		X									
Q2S	4401501181	PC-157B-20160614	440-150118-6		2016-06-14	Water	Stage 2B		X									

Table I. Sample Cross Reference

Sampling Event	SDG	Client ID	Lab ID	QC Type	Sample Date	Matrix	Validation Level	Specific Conductivity (2510B)	TDS (2540C)	TSS (2540D)	NH_3 as N (4500-NH3D)	BOD (5210B)	DOC (5310B)	TOC (5310C)	TOX (9020B)	Sulfide (9034)	pH (9040C)	pH (WPH)
Q2S	4401501181	PC-156B-20160614	440-150118-7		2016-06-14	Water	Stage 2B		X									
Q2S	4401501181	PC-156B-FB-20160614	440-150118-8	FB	2016-06-14	Water	Stage 2B		X									
Q2S	4401501181	PC-156A-20160614	440-150118-9		2016-06-14	Water	Stage 2B		X									
Q2S	4401502691	M-145-20160615-TB	440-150269-1	TB	2016-06-15	Water	Stage 2B											
Q2S	4401502691	PC-137D-20160615-EB	440-150269-10	EB	2016-06-15	Water	Stage 2B		X									
Q2S	4401502691	M-191-20160615	440-150269-11		2016-06-15	Water	Stage 2B		X									
Q2S	4401502691	PC-137D-20160615	440-150269-12		2016-06-15	Water	Stage 2B		X									
Q2S	4401502691	M-145-20160615-FB	440-150269-13	FB	2016-06-15	Water	Stage 2B		X									
Q2S	4401502691	M-145-20160615	440-150269-2		2016-06-15	Water	Stage 2B		X									
Q2S	4401502691	PC-155A-20160615	440-150269-3		2016-06-15	Water	Stage 2B		X									
Q2S	4401502691	M-186-20160615	440-150269-4		2016-06-15	Water	Stage 2B		X									
Q2S	4401502691	PC-155B-20160615	440-150269-5		2016-06-15	Water	Stage 2B		X									
Q2S	4401502691	M-193-20160615	440-150269-6		2016-06-15	Water	Stage 2B		X									
Q2S	4401502691	M-190-20160615	440-150269-7		2016-06-15	Water	Stage 2B		X									
Q2S	4401502691	M-190-20160615-EB	440-150269-8	EB	2016-06-15	Water	Stage 2B		X									
Q2S	4401502691	PC-134D-20160615	440-150269-9		2016-06-15	Water	Stage 2B		X									
Q2S	4401503921	PC-160-20160616	440-150392-1	FD11	2016-06-16	Water	Stage 2B		X									
Q2S	4401503921	PC-160-20160616-FD	440-150392-2	FD11	2016-06-16	Water	Stage 2B		X									
Q2S	4401503921	M-189-TB-20160616	440-150392-3	TB	2016-06-16	Water	Stage 2B											
Q2S	4401503921	M-189-20160616	440-150392-4		2016-06-16	Water	Stage 4		X									
Q2S	4401503921	M-192-20160616	440-150392-5		2016-06-16	Water	Stage 2B		X									
Q2S	4401503921	PC-159-20160616	440-150392-6		2016-06-16	Water	Stage 2B		X									
Q2S	4401503921	M-19-20160616	440-150392-7		2016-06-16	Water	Stage 4		X									
ARP	4401503991	I-AD-20160524	440-150399-1		2016-05-24	Water	Stage 2B											
ARP	4401503991	I-AC-20160524	440-150399-2		2016-05-24	Water	Stage 2B											
ARP	4401503991	I-K-20160524	440-150399-3		2016-05-24	Water	Stage 2B											
ARP	4401503991	I-J-20160524	440-150399-4		2016-05-24	Water	Stage 2B											
ARP	4401503991	I-Z-20160524	440-150399-5		2016-05-24	Water	Stage 2B											
ARP	4401503991	I-I-20160524	440-150399-6		2016-05-24	Water	Stage 2B											
ARP	4401503991	EB-9-20160524	440-150399-7	EB	2016-05-24	Water	Stage 2B											
ARP	4401503991	I-V-20160524	440-150399-8		2016-05-24	Water	Stage 2B											
ARP	4401503991	FB-2-20160524	440-150399-9	FB	2016-05-24	Water	Stage 2B											
IX	4401504021	PC-118-20160617	440-150402-1		2016-06-17	Water	Stage 4											X
IX	4401504021	PC-119-20160617	440-150402-2		2016-06-17	Water	Stage 2B											X
IX	4401504021	PC-120-20160617	440-150402-3		2016-06-17	Water	Stage 2B											X
IX	4401504021	PC-121-20160617	440-150402-4		2016-06-17	Water	Stage 2B											X
IX	4401504021	PC-133-20160617	440-150402-5		2016-06-17	Water	Stage 2B											X
ARP	4401509621	M-141-20160623	440-150962-1		2016-06-23	Water	Stage 2B		X									X

Table II. Stage 2B & Stage 4 Validation Elements

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

√ = Reviewed for Stage 2B review
N/A = Not applicable to method or not performed during this sampling event
- = Not applicable for Stage 2B review
[1]System performance is a thorough review of the data acquisition that can yield indicators of degrading instrument performance affecting quality of data.

Table II. Stage 2B & Stage 4 Validation Elements

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

√ = Reviewed for Stage 4 review
N/A = Not applicable to method or not performed during this sampling event
[1]System performance is a thorough review of the data acquisition that can yield indicators of degrading instrument performance affecting quality of data.

Table III. Stage 2B & Stage 4 Validation Percentage

Parameter	Number of Samples			Validation Percentage	
	Stage 2B	Stage 4	Total	Stage 2B (%)	Stage 4 (%)
Performance Report					
Total Metals (Boron, Iron, Manganese, and Sodium)	4	2	6	67	33
Chromium	544	71	615	88	12
Hexavalent chromium	310	41	351	88	12
Anions	41	9	50	82	18
Nitrate/Nitrite as Nitrogen	1	1	2	50	50
Total Inorganic Carbon	1	1	2	50	50
Chlorate	20	8	28	71	29
Perchlorate	647	76	723	89	11
Ammonia as Nitrogen	1	1	2	50	50
Total Recoverable Phenolics	3	1	4	75	25
Specific Conductance	3	1	4	75	25
Total Dissolved Solids	641	74	715	90	10
Field pH	650	77	727	89	11
Total Organic Carbon	3	1	4	75	25
Toxic Organic Halides	3	1	4	75	25
IX					
Total Metals (Method 200.7)	4	1	5	80	20
Anions	4	1	5	80	20
Chlorate	4	1	5	80	20
Perchlorate	4	1	5	80	20
Alkalinity	4	1	5	80	20
Field pH	4	1	5	80	20
2016 Q1 Supplemental					
VOCs	33	6	39	85	15
Dissolved Metals (Method 200.7) (Boron, Chromium)	25	7	32	78	22
Dissolved Metals (Methods 200.7/200.8)	1	1	2	50	50
Dissolved Mercury (Method 7470A)	1	1	2	50	50
Anions	1	1	2	50	50
Chlorate	27	7	34	79	21
Perchlorate	27	7	34	79	21
Total Phosphorus	1	1	2	50	50
Alkalinity	1	1	2	50	50
TDS	24	6	30	80	20
DOC	1	1	2	50	50

Table III. Stage 2B & Stage 4 Validation Percentage

Parameter	Number of Samples			Validation Percentage	
	Stage 2B	Stage 4	Total	Stage 2B (%)	Stage 4 (%)
2016 Q2 Supplemental					
VOCs	34	4	38	89	11
1,2,3-Trichloropropane and 1,4-Dioxane	34	4	38	89	11
Dissolved Metals (Method 200.7) (Boron, Chromium)	30	4	34	88	12
Chlorate	30	4	34	88	12
Perchlorate	30	4	34	88	12
TDS	30	4	34	88	12
SNWA					
Dissolved Metals (Method 200.7)	2	1	3	67	33
Hexavalent chromium	2	1	3	67	33
Anions	2	1	3	67	33
Chlorate	2	1	3	67	33
Perchlorate	2	1	3	67	33
TKN	2	1	3	67	33
Total Phosphorus	2	1	3	67	33
HEM	2	1	3	67	33
TDS	2	1	3	67	33
TSS	2	1	3	67	33
Ammonia as Nitrogen	2	1	3	67	33
BOD	2	1	3	67	33
Sulfide	2	1	3	67	33
pH (Method 9040C)	2	1	3	67	33
SWF					
Dissolved Metals (Methods 200.7/200.8/7470A)	36	5	41	88	12
Mercury (Method 7470A)	33	5	38	87	13
Anions	33	5	38	87	13
Chlorate	36	5	41	88	12
Perchlorate	36	5	41	88	12
Total Phosphorus	33	5	38	87	13
Alkalinity	33	5	38	87	13
TDS	33	5	38	87	13
DOC	33	5	38	87	13

Table IV. Reason Codes and Definitions

Reason Code	Explanation
a	qualified due to low abundance (radiochemical activity)
be	qualified due to equipment blank contamination
bf	qualified due to field blank contamination
bl	qualified due to lab blank contamination
bt	qualified due to trip blank contamination
bp	qualified due to pump blank contamination (wells w/o dedicated pumps, when contamination is detected in the Pump Blk)
br	qualified due to filter blank contamination (aqueous Hexavalent Chromium and Dissolved sample fractions)
c	qualified due to calibration problems
cp	qualified due to insufficient ingrowth (radiochemical only)
dc	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 V. Overall Qualified Results

Sampling Event	SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code
Q1S	4401379771	M-189-20160210	2016-02-10	SW-8260	75-09-2	Methylene chloride	1	J	0.88	2	ug/l	J	bf,sp
Q1S	4401379771	M-148A-20160210-FB	2016-02-10	SW-8260	75-09-2	Methylene chloride	1.1	J	0.88	2	ug/l	J	sp
Q1S	4401379771	M-148A-20160210	2016-02-10	SW-8260	75-09-2	Methylene chloride	1.1	J	0.88	2	ug/l	J	bf,sp
Q1S	4401379771	M-145-20160210	2016-02-10	SW-8260	75-09-2	Methylene chloride	0.94	J	0.88	2	ug/l	J	bf,sp
Q1S	4401379771	M-189-20160210	2016-02-10	SW-8260	75-27-4	Bromodichloromethane	0.33	J	0.25	0.5	ug/l	J	sp
Q1S	4401380091	PC-159-20160210	2016-02-10	SW-8260	107-06-2	1,2-Dichloroethane	0.3	J	0.25	0.5	ug/l	J	sp
Q1S	4401380091	PC-156B-20160210	2016-02-10	SW-8260	120-82-1	1,2,4-Trichlorobenzene	0.42	J	0.4	1	ug/l	J	sp
Q1S	4401380091	PC-159-20160210	2016-02-10	SW-8260	87-61-6	1,2,3-Trichlorobenzene	0.51	J	0.4	1	ug/l	J	sp
Q1S	4401380091	PC-160-20160210	2016-02-10	SW-8260	87-61-6	1,2,3-Trichlorobenzene	0.91	J	0.4	1	ug/l	J	sp
Q1S	4401380091	PC-160-20160210	2016-02-10	SW-8260	108-90-7	Chlorobenzene	0.34	J	0.25	0.5	ug/l	J	sp
Q1S	4401380091	PC-160-20160210	2016-02-10	SW-8260	107-06-2	1,2-Dichloroethane	0.39	J	0.25	0.5	ug/l	J	sp
Q1S	4401380091	PC-159-20160210	2016-02-10	SW-8260	541-73-1	1,3-Dichlorobenzene	0.27	J	0.25	0.5	ug/l	J	sp
Q1S	4401380091	PC-160-20160210	2016-02-10	SW-8260	79-01-6	Trichloroethene	0.3	J	0.25	0.5	ug/l	J	sp
Q1S	4401380091	PC-159-20160210	2016-02-10	SW-8260	95-50-1	1,2-Dichlorobenzene	0.47	J	0.25	0.5	ug/l	J	sp
Q1S	4401380091	PC-160-20160210	2016-02-10	SW-8260	100-42-5	Styrene	0.25	UF1F2	0.25	0.5	ug/l	UJ	m
Q1S	4401380091	PC-159-20160210	2016-02-10	SW-8260	120-82-1	1,2,4-Trichlorobenzene	0.65	J	0.4	1	ug/l	J	sp
Q1S	4401380091	PC-158-20160210	2016-02-10	SW-8260	127-18-4	Tetrachloroethene	0.25	J	0.25	0.5	ug/l	J	sp
Q1S	4401381071	M-191-20160211	2016-02-11	SW-8260	75-27-4	Bromodichloromethane	0.39	J	0.25	0.5	ug/l	J	sp
Q1S	4401381071	PC-153-20160211	2016-02-11	SW-8260	67-66-3	Chloroform	0.47	J	0.25	0.5	ug/l	J	sp
Q1S	4401381071	PC-152-20160211	2016-02-11	SW-8260	108-90-7	Chlorobenzene	0.27	J	0.25	0.5	ug/l	J	sp
Q1S	4401381071	PC-151-20160211	2016-02-11	SW-8260	87-61-6	1,2,3-Trichlorobenzene	0.67	J	0.4	1	ug/l	J	sp
Q1S	4401381071	PC-152-20160211	2016-02-11	SW-8260	87-61-6	1,2,3-Trichlorobenzene	0.66	J	0.4	1	ug/l	J	sp
Q1S	4401381071	PC-152-20160211	2016-02-11	SW-8260	541-73-1	1,3-Dichlorobenzene	0.44	J	0.25	0.5	ug/l	J	sp
Q1S	4401381071	M-192-20160211	2016-02-11	SW-8260	75-27-4	Bromodichloromethane	0.35	J	0.25	0.5	ug/l	J	sp
Q1S	4401381071	PC-151-20160211-FD	2016-02-11	SW-8260	107-06-2	1,2-Dichloroethane	0.35	J	0.25	0.5	ug/l	J	sp
Q1S	4401381071	PC-151-20160211-FD	2016-02-11	SW-8260	87-61-6	1,2,3-Trichlorobenzene	0.6	J	0.4	1	ug/l	J	sp
Q1S	4401381071	PC-151-20160211	2016-02-11	SW-8260	100-42-5	Styrene	0.25	UF1	0.25	0.5	ug/l	R	m
Q1S	4401381071	PC-151-20160211	2016-02-11	SW-8260	107-06-2	1,2-Dichloroethane	0.32	J	0.25	0.5	ug/l	J	sp
Q1S	4401381071	PC-152-20160211	2016-02-11	SW-8260	107-06-2	1,2-Dichloroethane	0.28	J	0.25	0.5	ug/l	J	sp
Q2S	4401499641	PC-151-20160613	2016-06-13	SW-8260	75-34-3	1,1-Dichloroethane	0.83	J	0.25	1	UG/L	J	sp
Q2S	4401499641	PC-151-20160613	2016-06-13	SW-8260	87-61-6	1,2,3-Trichlorobenzene	0.51	J	0.4	1	UG/L	J	sp
Q2S	4401499641	PC-151-20160613	2016-06-13	SW-8260	95-50-1	1,2-Dichlorobenzene	0.94	J	0.25	1	UG/L	J	sp
Q2S	4401499641	PC-151-20160613	2016-06-13	SW-8260	75-27-4	Bromodichloromethane	0.36	J	0.25	1	UG/L	J	sp
Q2S	4401499641	PC-152-20160613	2016-06-13	SW-8260	75-34-3	1,1-Dichloroethane	0.88	J	0.25	1	UG/L	J	sp
Q2S	4401499641	PC-152-20160613	2016-06-13	SW-8260	67-66-3	Chloroform	0.61	J	0.25	1	UG/L	J	sp
Q2S	4401499641	PC-153-20160613	2016-06-13	SW-8260	79-01-6	Trichloroethene	0.76	J	0.25	1	UG/L	J	sp
Q2S	4401499641	PC-153-20160613	2016-06-13	SW-8260	108-90-7	Chlorobenzene	0.54	J	0.25	1	UG/L	J	sp
Q2S	4401501181	PC-158-20160614	2016-06-14	SW-8260	127-18-4	Tetrachloroethene	0.25	J	0.25	1	UG/L	J	sp
Q2S	4401501181	PC-158-20160614	2016-06-14	SW-8260	67-66-3	Chloroform	0.85	J	0.25	1	UG/L	J	sp
Q2S	4401501181	PC-156B-20160614	2016-06-14	SW-8260	120-82-1	1,2,4-Trichlorobenzene	0.41	J	0.4	1	UG/L	J	sp
Q2S	4401501181	PC-154-20160614	2016-06-14	SW-8260	95-50-1	1,2-Dichlorobenzene	0.31	J	0.25	1	UG/L	J	sp
Q2S	4401501181	PC-154-20160614	2016-06-14	SW-8260	106-46-7	1,4-Dichlorobenzene	0.46	J	0.25	1	UG/L	J	sp
Q2S	4401501181	PC-154-20160614	2016-06-14	SW-8260	127-18-4	Tetrachloroethene	0.27	J	0.25	1	UG/L	J	sp
Q2S	4401502691	PC-137D-20160615-EB	2016-06-15	SW-8260	108-88-3	Toluene	0.37	J	0.25	1	UG/L	J	sp
Q2S	4401502691	PC-137D-20160615-EB	2016-06-15	SW-8260	75-71-8	Dichlorodifluoromethane	0.4	U	0.4	1	UG/L	UJ	c

Table V. Overall Qualified Results

Sampling Event	SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code
Q2S	4401502691	PC-137D-20160615-EB	2016-06-15	SW-8260	74-87-3	Chloromethane	0.25	U	0.25	1	UG/L	UJ	c
Q2S	4401502691	M-190-20160615	2016-06-15	SW-8260	75-27-4	Bromodichloromethane	0.35	J	0.25	1	UG/L	J	sp
Q2S	4401502691	M-190-20160615-EB	2016-06-15	SW-8260	108-88-3	Toluene	0.56	J	0.25	1	UG/L	J	sp
Q2S	4401502691	M-190-20160615-EB	2016-06-15	SW-8260	75-71-8	Dichlorodifluoromethane	0.4	U	0.4	1	UG/L	UJ	c
Q2S	4401502691	M-191-20160615	2016-06-15	SW-8260	75-27-4	Bromodichloromethane	0.53	J	0.25	1	UG/L	J	sp
Q2S	4401502691	M-191-20160615	2016-06-15	SW-8260	127-18-4	Tetrachloroethene	0.26	J	0.25	1	UG/L	J	sp
Q2S	4401502691	M-193-201615-20160615	2016-06-15	SW-8260	75-27-4	Bromodichloromethane	0.38	J	0.25	1	UG/L	J	sp
Q2S	4401502691	M-190-20160615-EB	2016-06-15	SW-8260	74-87-3	Chloromethane	0.25	U	0.25	1	UG/L	UJ	c
Q2S	4401503921	PC-160-20160616-FD	2016-06-16	SW-8260	87-61-6	1,2,3-Trichlorobenzene	0.85	J	0.4	1	UG/L	J	sp
Q2S	4401503921	PC-159-20160616	2016-06-16	SW-8260	120-82-1	1,2,4-Trichlorobenzene	0.63	J	0.4	1	UG/L	J	sp
Q2S	4401503921	PC-159-20160616	2016-06-16	SW-8260	541-73-1	1,3-Dichlorobenzene	0.34	J	0.25	1	UG/L	J	sp
Q2S	4401503921	PC-159-20160616	2016-06-16	SW-8260	67-66-3	Chloroform	0.78	J	0.25	1	UG/L	J	sp
Q2S	4401503921	PC-159-20160616	2016-06-16	SW-8260	79-01-6	Trichloroethene	0.3	J	0.25	1	UG/L	J	sp
Q2S	4401503921	PC-160-20160616	2016-06-16	SW-8260	87-61-6	1,2,3-Trichlorobenzene	0.79	J	0.4	1	UG/L	J	sp
Q2S	4401503921	PC-160-20160616	2016-06-16	SW-8260	541-73-1	1,3-Dichlorobenzene	0.78	J	0.25	1	UG/L	J	sp
Q2S	4401503921	PC-159-20160616	2016-06-16	SW-8260	87-61-6	1,2,3-Trichlorobenzene	0.64	J	0.4	1	UG/L	J	sp
Q2S	4401503921	PC-160-20160616	2016-06-16	SW-8260	79-01-6	Trichloroethene	0.28	J	0.25	1	UG/L	J	sp
Q2S	4401503921	M-189-20160616	2016-06-16	SW-8260	75-27-4	Bromodichloromethane	0.27	J	0.25	1	UG/L	J	sp
Q2S	4401503921	M-19-20160616	2016-06-16	SW-8260	75-27-4	Bromodichloromethane	0.56	J	0.25	1	UG/L	J	sp
Q2S	4401503921	M-19-20160616	2016-06-16	SW-8260	127-18-4	Tetrachloroethene	0.29	J	0.25	1	UG/L	J	sp
Q2S	4401503921	M-192-20160616	2016-06-16	SW-8260	75-27-4	Bromodichloromethane	0.29	J	0.25	1	UG/L	J	sp
Q2S	4401503921	PC-160-20160616-FD	2016-06-16	SW-8260	107-06-2	1,2-Dichloroethane	0.44	J	0.25	0.5	UG/L	J	sp
Q2S	4401503921	PC-160-20160616-FD	2016-06-16	SW-8260	541-73-1	1,3-Dichlorobenzene	0.79	J	0.25	1	UG/L	J	sp
Q2S	4401503921	PC-160-20160616-FD	2016-06-16	SW-8260	67-66-3	Chloroform	0.73	J	0.25	1	UG/L	J	sp
Q2S	4401503921	PC-160-20160616-FD	2016-06-16	SW-8260	79-01-6	Trichloroethene	0.29	J	0.25	1	UG/L	J	sp
Q2S	4401503921	PC-160-20160616	2016-06-16	SW-8260	67-66-3	Chloroform	0.69	J	0.25	1	UG/L	J	sp
Q2S	4401499641	PC-153-20160613	2016-06-13	SW-8260BSIM	123-91-1	1,4-Dioxane	0.6	J	0.5	2	UG/L	J	sp
Q2S	4401501181	M-148A-20160614	2016-06-14	SW-8260BSIM	96-18-4	1,2,3-Trichloropropane	0.0042	J	0.0025	0.005	UG/L	J+	c,sp
Q2S	4401501181	PC-157A-20160614-FD	2016-06-14	SW-8260BSIM	123-91-1	1,4-Dioxane	0.69	J	0.5	2	UG/L	J	sp
Q2S	4401501181	M-148A-20160614	2016-06-14	SW-8260BSIM	123-91-1	1,4-Dioxane	0.72	J	0.5	2	UG/L	J	sp
Q2S	4401502691	M-186-20160615	2016-06-15	SW-8260BSIM	96-18-4	1,2,3-Trichloropropane	0.059		0.0025	0.005	UG/L	J+	c
Q2S	4401502691	M-190-20160615	2016-06-15	SW-8260BSIM	96-18-4	1,2,3-Trichloropropane	0.0062		0.0025	0.005	UG/L	J+	c
Q2S	4401502691	M-193-201615-20160615	2016-06-15	SW-8260BSIM	96-18-4	1,2,3-Trichloropropane	0.0096		0.0025	0.005	UG/L	J+	c
Q2S	4401503921	M-19-20160616	2016-06-16	SW-8260BSIM	96-18-4	1,2,3-Trichloropropane	0.038		0.0025	0.005	UG/L	J+	c
ARP	4401332951	PC-117-20160105	2016-01-05	EPA 200.7	7440-47-3	Chromium	0.0026	J	0.0025	0.005	mg/l	J	sp
IX	4401350401	ARP-4A-20160113	2016-01-13	EPA 200.7	7440-47-3	Chromium	0.0032	J	0.0025	0.005	mg/l	J	sp
IX	4401350401	ARP-3A-20160113	2016-01-13	EPA 200.7	7440-47-3	Chromium	0.004	J	0.0025	0.005	mg/l	J	sp
ARP	4401374581	PC-117-20160205	2016-02-05	EPA 200.7	7440-47-3	Chromium	0.0049	J	0.0025	0.005	mg/l	J	sp
ARP	4401374581	PC-116R-20160205	2016-02-05	EPA 200.7	7440-47-3	Chromium	0.0031	J	0.0025	0.005	mg/l	J	sp
SWF	4401375701	PC-62-20160208	2016-02-08	EPA 200.7	7429-90-5	Aluminum	0.037	JB	0.025	0.05	mg/l	J	c,bl,sp
SWF	4401375701	PC-62-20160208	2016-02-08	EPA 200.7	7440-48-4	Cobalt	0.0077	J	0.0025	0.01	mg/l	J	sp
SWF	4401376631	PC-97-20160208	2016-02-08	EPA 200.7	7440-48-4	Cobalt	0.0067	J	0.0025	0.01	mg/l	J	sp
SWF	4401376631	PC-90-20160208	2016-02-08	EPA 200.7	7440-48-4	Cobalt	0.0032	J	0.0025	0.01	mg/l	J	sp
SWF	4401376631	PC-86-20160208	2016-02-08	EPA 200.7	7440-48-4	Cobalt	0.0072	J	0.0025	0.01	mg/l	J	sp
SWF	4401376631	PC-90-20160208	2016-02-08	EPA 200.7	7429-90-5	Aluminum	0.03	JB	0.025	0.05	mg/l	J	c,bl,sp

Table V. Overall Qualified Results

Sampling Event	SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code
SWF	4401376631	PC-97-20160208	2016-02-08	EPA 200.7	7440-50-8	Copper	0.0053	J	0.005	0.01	mg/l	J	sp
ARP	4401378401	PC-90-20160210	2016-02-10	EPA 200.7	7440-47-3	Chromium	0.004	J	0.0025	0.005	MG/L	J	sp
ARP	4401381061	ARP-3A-20160211	2016-02-11	EPA 200.7	7440-47-3	Chromium	0.0037	J	0.0025	0.005	mg/l	J	sp
ARP	4401381061	DUP-3-20160211	2016-02-11	EPA 200.7	7440-47-3	Chromium	0.0029	J	0.0025	0.005	mg/l	J	sp
ARP	4401381061	ARP-4A-20160211	2016-02-11	EPA 200.7	7440-47-3	Chromium	0.0042	J	0.0025	0.005	mg/l	J	sp
Q1S	4401381071	PC-91-20160211	2016-02-11	EPA 200.7	7440-47-3	Chromium	0.0042	J	0.0025	0.005	mg/l	J	sp
Q1S	4401381071	PC-134D-20160211	2016-02-11	EPA 200.7	7439-89-6	Iron	0.069	J	0.02	0.08	mg/l	J	sp
SWF	4401381071	PC-91-20160211	2016-02-11	EPA 200.7	7440-48-4	Cobalt	0.0052	J	0.0025	0.01	mg/l	J	sp
SWF	4401381071	PC-91-20160211-FD	2016-02-11	EPA 200.7	7440-48-4	Cobalt	0.0055	J	0.0025	0.01	mg/l	J	sp
SWF	4401381071	PC-91-20160211-FD	2016-02-11	EPA 200.7	7439-92-1	Lead	0.0034	J	0.0025	0.005	mg/l	J	bl,sp
SWF	4401381071	PC-134D-20160211	2016-02-11	EPA 200.7	7439-92-1	Lead	0.005	J	0.005	0.01	mg/l	J	sp
SWF	4401381111	PC-120-20160212	2016-02-12	EPA 200.7	7439-89-6	Iron	0.023	JB	0.01	0.04	mg/l	J	bl,sp
SWF	4401381111	PC-120-20160212	2016-02-12	EPA 200.7	7439-92-1	Lead	0.0025	U	0.0025	0.005	mg/l	UJ	c
SWF	4401381111	PC-120-20160212-FD	2016-02-12	EPA 200.7	7440-39-3	Barium	0.0084	J	0.005	0.01	mg/l	J	sp
SWF	4401381111	PC-120-20160212	2016-02-12	EPA 200.7	7440-48-4	Cobalt	0.0058	J	0.0025	0.01	mg/l	J	sp
SWF	4401381111	PC-121-20160212	2016-02-12	EPA 200.7	7439-89-6	Iron	0.024	JB	0.01	0.04	mg/l	J	bl,sp
SWF	4401381111	PC-120-20160212	2016-02-12	EPA 200.7	7440-39-3	Barium	0.0084	J	0.005	0.01	mg/l	J	sp
SWF	4401381111	PC-120-20160212-FD	2016-02-12	EPA 200.7	7439-92-1	Lead	0.0025	U	0.0025	0.005	mg/l	UJ	c
SWF	4401381111	PC-117-20160212	2016-02-12	EPA 200.7	7440-48-4	Cobalt	0.0057	J	0.0025	0.01	mg/l	J	sp
SWF	4401381111	PC-120-20160212-FD	2016-02-12	EPA 200.7	7440-66-6	Zinc	0.013	J	0.01	0.02	mg/l	J+	c,sp
SWF	4401381111	PC-121-20160212	2016-02-12	EPA 200.7	7440-48-4	Cobalt	0.0074	J	0.0025	0.01	mg/l	J	sp
SWF	4401381111	PC-120-20160212-FD	2016-02-12	EPA 200.7	7440-48-4	Cobalt	0.0061	J	0.0025	0.01	mg/l	J	sp
SWF	4401381111	PC-115R-20160212	2016-02-12	EPA 200.7	7439-89-6	Iron	0.013	JB	0.01	0.04	mg/l	J	bl,sp
SWF	4401381111	PC-119-20160212	2016-02-12	EPA 200.7	7439-92-1	Lead	0.0025	U	0.0025	0.005	mg/l	UJ	c
SWF	4401381111	PC-119-20160212	2016-02-12	EPA 200.7	7440-48-4	Cobalt	0.0067	J	0.0025	0.01	mg/l	J	sp
SWF	4401381111	PC-118-20160212	2016-02-12	EPA 200.7	7439-92-1	Lead	0.0025	U	0.0025	0.005	mg/l	UJ	c
SWF	4401381111	PC-118-20160212	2016-02-12	EPA 200.7	7440-48-4	Cobalt	0.0054	J	0.0025	0.01	mg/l	J	sp
SWF	4401381111	PC-117-20160212	2016-02-12	EPA 200.7	7439-89-6	Iron	0.011	JB	0.01	0.04	mg/l	J	bl,sp
SWF	4401381111	PC-116R-20160212	2016-02-12	EPA 200.7	7439-92-1	Lead	0.0025	U	0.0025	0.005	mg/l	UJ	c
SWF	4401381111	PC-116R-20160212	2016-02-12	EPA 200.7	7440-48-4	Cobalt	0.004	J	0.0025	0.01	mg/l	J	sp
SWF	4401381111	PC-115R-20160212	2016-02-12	EPA 200.7	7439-92-1	Lead	0.0025	U	0.0025	0.005	mg/l	UJ	c
SWF	4401381111	PC-115R-20160212	2016-02-12	EPA 200.7	7440-48-4	Cobalt	0.0052	J	0.0025	0.01	mg/l	J	sp
SWF	4401381111	PC-117-20160212	2016-02-12	EPA 200.7	7439-92-1	Lead	0.0025	U	0.0025	0.005	mg/l	UJ	c
SWF	4401381111	PC-99R3-20160212	2016-02-12	EPA 200.7	7440-02-0	Nickel	0.0088	J	0.005	0.01	mg/l	J	sp
SWF	4401381111	PC-133-20160212	2016-02-12	EPA 200.7	7440-48-4	Cobalt	0.0052	J	0.0025	0.01	mg/l	J	sp
SWF	4401381111	PC-121-20160212	2016-02-12	EPA 200.7	7439-92-1	Lead	0.0025	U	0.0025	0.005	mg/l	UJ	c
SWF	4401381111	PC-133-20160212	2016-02-12	EPA 200.7	7439-92-1	Lead	0.0025	U	0.0025	0.005	mg/l	UJ	c
SWF	4401381111	PC-99R3-20160212	2016-02-12	EPA 200.7	7440-48-4	Cobalt	0.003	J	0.0025	0.01	mg/l	J	sp
SWF	4401381111	PC-99R3-20160212	2016-02-12	EPA 200.7	7439-92-1	Lead	0.0025	U	0.0025	0.005	mg/l	UJ	c
ARP	4401381131	PC-103-20160212	2016-02-12	EPA 200.7	7440-47-3	Chromium	0.003	J	0.0025	0.005	mg/l	J	sp
ARP	4401383721	PC-131-20160216	2016-02-16	EPA 200.7	7440-47-3	Chromium	0.0033	J	0.0025	0.005	mg/l	J	sp
SNWA	4401384611	WMW6.55S-20160217	2016-02-17	EPA 200.7	7439-89-6	Iron	0.026	J	0.01	0.04	mg/l	J	sp
SWF	4401385841	BP-02-20160217	2016-02-17	EPA 200.7	7429-90-5	Aluminum	0.026	J	0.025	0.05	mg/l	J	sp
SWF	4401385841	BP-02-20160217	2016-02-17	EPA 200.7	7440-09-7	Potassium	19		0.25	0.5	mg/l	J-	m
SWF	4401385841	BP-04-20160217	2016-02-17	EPA 200.7	7440-09-7	Potassium	19		0.25	0.5	mg/l	J-	m

Table V. Overall Qualified Results

Sampling Event	SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code
SWF	4401385841	BP-03-20160217	2016-02-17	EPA 200.7	7440-66-6	Zinc	0.019	J	0.01	0.02	mg/l	J	sp
SWF	4401385841	BP-03-20160217	2016-02-17	EPA 200.7	7440-09-7	Potassium	19	F1	0.25	0.5	mg/l	J-	m
SWF	4401385841	BP-01-20160217	2016-02-17	EPA 200.7	7439-89-6	Iron	0.02	J	0.01	0.04	mg/l	J	sp
SWF	4401385841	BP-04-20160217	2016-02-17	EPA 200.7	7439-92-1	Lead	0.0028	J	0.0025	0.005	mg/l	J	sp
SWF	4401385841	BP-02-20160217	2016-02-17	EPA 200.7	7440-50-8	Copper	0.0069	J	0.005	0.01	mg/l	J	sp
SWF	4401385841	BP-04-20160217	2016-02-17	EPA 200.7	7440-50-8	Copper	0.0071	J	0.005	0.01	mg/l	J	sp
SWF	4401385841	BP-04-20160217	2016-02-17	EPA 200.7	7440-66-6	Zinc	0.019	J	0.01	0.02	mg/l	J	sp
SWF	4401385841	BP-01-20160217	2016-02-17	EPA 200.7	7440-50-8	Copper	0.009	J	0.005	0.01	mg/l	J	sp
SWF	4401385841	BP-01-20160217	2016-02-17	EPA 200.7	7439-92-1	Lead	0.0028	J	0.0025	0.005	mg/l	J	sp
SWF	4401385841	BP-01-20160217	2016-02-17	EPA 200.7	7440-09-7	Potassium	18		0.25	0.5	mg/l	J-	m
ARP	4401386401	EB-6-20160218	2016-02-18	EPA 200.7	7440-47-3	Chromium	0.0029	J	0.0025	0.005	mg/l	J	sp
SWF	4401387051	LVW-10-20160218	2016-02-18	EPA 200.7	7439-96-5	Manganese	0.013	J	0.01	0.02	MG/L	J	sp
SWF	4401387051	BP-08A-20160218-FD	2016-02-18	EPA 200.7	7439-96-5	Manganese	0.017	J	0.01	0.02	MG/L	J	sp
SWF	4401387051	BP-08A-20160218-FD	2016-02-18	EPA 200.7	7439-89-6	Iron	0.042		0.01	0.04	MG/L	J	fd
SWF	4401387051	LVW-08-20160218	2016-02-18	EPA 200.7	7439-92-1	Lead	0.0028	J	0.0025	0.005	MG/L	J	bl,sp
SWF	4401387051	LVW-08-20160218	2016-02-18	EPA 200.7	7439-96-5	Manganese	0.013	J	0.01	0.02	MG/L	J	sp
SWF	4401387051	BP-09-20160218	2016-02-18	EPA 200.7	7440-50-8	Copper	0.0087	J	0.005	0.01	MG/L	J	sp
SWF	4401387051	BP-09-20160218	2016-02-18	EPA 200.7	7439-89-6	Iron	0.015	J	0.01	0.04	MG/L	J	sp
SWF	4401387051	LVW-08-20160218	2016-02-18	EPA 200.7	7440-50-8	Copper	0.0069	J	0.005	0.01	MG/L	J	sp
SWF	4401387051	LVW-09-20160218	2016-02-18	EPA 200.7	7439-96-5	Manganese	0.014	J	0.01	0.02	MG/L	J	sp
SWF	4401387051	LVW-10-20160218	2016-02-18	EPA 200.7	7439-92-1	Lead	0.0029	J	0.0025	0.005	MG/L	J	bl,sp
SWF	4401387051	LVW-09-20160218	2016-02-18	EPA 200.7	7439-89-6	Iron	0.038	J	0.01	0.04	MG/L	J	sp
SWF	4401387051	LVW-10-20160218	2016-02-18	EPA 200.7	7440-50-8	Copper	0.0069	J	0.005	0.01	MG/L	J	sp
SWF	4401387051	LVW-08-20160218	2016-02-18	EPA 200.7	7439-89-6	Iron	0.039	J	0.01	0.04	MG/L	J	sp
SWF	4401387051	BP-05-20160218	2016-02-18	EPA 200.7	7429-90-5	Aluminum	0.026	J	0.025	0.05	MG/L	J	sp
SWF	4401387051	BP-06-20160218	2016-02-18	EPA 200.7	7440-50-8	Copper	0.0064	J	0.005	0.01	MG/L	J	sp
SWF	4401387051	BP-08-20160218	2016-02-18	EPA 200.7	7429-90-5	Aluminum	0.04	JB	0.025	0.05	MG/L	J	bl,sp
SWF	4401387051	BP-06-20160218	2016-02-18	EPA 200.7	7439-89-6	Iron	0.013	J	0.01	0.04	MG/L	J	sp
SWF	4401387051	BP-05-20160218	2016-02-18	EPA 200.7	7440-50-8	Copper	0.008	J	0.005	0.01	MG/L	J	sp
SWF	4401387051	BP-05-20160218	2016-02-18	EPA 200.7	7439-92-1	Lead	0.0034	J	0.0025	0.005	MG/L	J	sp
SWF	4401387051	LVW-09-20160218	2016-02-18	EPA 200.7	7440-50-8	Copper	0.0073	J	0.005	0.01	MG/L	J	sp
SWF	4401387051	BP-08A-20160218-FD	2016-02-18	EPA 200.7	7429-90-5	Aluminum	0.025	JB	0.025	0.05	MG/L	J	bl,sp
SWF	4401387051	BP-07-20160218	2016-02-18	EPA 200.7	7429-90-5	Aluminum	0.034	JB	0.025	0.05	MG/L	J	bl,sp
SWF	4401387051	BP-08A-20160218	2016-02-18	EPA 200.7	7439-96-5	Manganese	0.019	J	0.01	0.02	MG/L	J	sp
SWF	4401387051	BP-07-20160218	2016-02-18	EPA 200.7	7440-66-6	Zinc	0.016	J	0.01	0.02	MG/L	J	sp
SWF	4401387051	BP-08A-20160218	2016-02-18	EPA 200.7	7439-92-1	Lead	0.0026	J	0.0025	0.005	MG/L	J	bl,sp
SWF	4401387051	BP-08A-20160218	2016-02-18	EPA 200.7	7439-89-6	Iron	0.07		0.01	0.04	MG/L	J	fd
SWF	4401387051	BP-08A-20160218	2016-02-18	EPA 200.7	7429-90-5	Aluminum	0.043	JB	0.025	0.05	MG/L	J	bl,sp
SWF	4401387051	BP-06-20160218	2016-02-18	EPA 200.7	7440-66-6	Zinc	0.012	J	0.01	0.02	MG/L	J	sp
SWF	4401387051	BP-08-20160218	2016-02-18	EPA 200.7	7439-96-5	Manganese	0.014	J	0.01	0.02	MG/L	J	sp
SWF	4401387801	LVW-04-20160219	2016-02-19	EPA 200.7	7440-66-6	Zinc	0.014	J	0.01	0.02	mg/l	J	sp
SWF	4401387801	LVW-04-20160219	2016-02-19	EPA 200.7	7440-02-0	Nickel	0.0082	J	0.005	0.01	mg/l	J	sp
SWF	4401387801	LVW-03-20160219-FD	2016-02-19	EPA 200.7	7429-90-5	Aluminum	0.052		0.025	0.05	mg/l	J	fd
SWF	4401387801	LVW-03-20160219	2016-02-19	EPA 200.7	7439-89-6	Iron	0.038	J	0.01	0.04	mg/l	J	sp
SWF	4401387801	LVW-03-20160219	2016-02-19	EPA 200.7	7429-90-5	Aluminum	0.072		0.025	0.05	mg/l	J	fd

Table V. Overall Qualified Results

Sampling Event	SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code
SWF	4401387801	LVW-02-20160219	2016-02-19	EPA 200.7	7439-96-5	Manganese	0.019	J	0.01	0.02	mg/l	J	sp
SWF	4401387801	LVW-05-20160219	2016-02-19	EPA 200.7	7439-89-6	Iron	0.033	J	0.01	0.04	mg/l	J	sp
SWF	4401387801	LVW-01-20160219	2016-02-19	EPA 200.7	7439-96-5	Manganese	0.017	J	0.01	0.02	mg/l	J	sp
SWF	4401387801	LVW-07-20160219	2016-02-19	EPA 200.7	7440-50-8	Copper	0.0053	J	0.005	0.01	mg/l	J	sp
SWF	4401387801	LVW-07-20160219	2016-02-19	EPA 200.7	7439-89-6	Iron	0.031	J	0.01	0.04	mg/l	J	sp
SWF	4401387801	LVW-07-20160219	2016-02-19	EPA 200.7	7439-96-5	Manganese	0.018	J	0.01	0.02	mg/l	J	sp
SWF	4401387801	LVW-05-20160219	2016-02-19	EPA 200.7	7439-92-1	Lead	0.0029	J	0.0025	0.005	mg/l	J	sp
ARP	4401460341	PC-117-20160502	2016-05-02	EPA 200.7	7440-47-3	Chromium	0.0029	J	0.0025	0.005	mg/l	J	sp
ARP	4401460341	ART-1-20160502	2016-05-02	EPA 200.7	7440-47-3	Chromium	0.0042	J	0.0025	0.005	mg/l	J	sp
ARP	4401460341	ART-2-20160502	2016-05-02	EPA 200.7	7440-47-3	Chromium	0.0049	J	0.0025	0.005	mg/l	J	sp
ARP	4401461901	I-AB-20160503	2016-05-03	EPA 200.7	7440-47-3	Chromium	0.0038	J	0.0025	0.005	mg/l	J	sp
ARP	4401466531	PC-142-20160506	2016-05-06	EPA 200.7	7440-47-3	Chromium	0.0046	J	0.0025	0.005	MG/L	J	sp
ARP	4401468651	PC-125-20160509	2016-05-09	EPA 200.7	7440-47-3	Chromium	0.022	J	0.013	0.025	mg/l	J	sp
ARP	4401473891	MC-53-20160512	2016-05-12	EPA 200.7	7440-47-3	Chromium	0.0073	J	0.005	0.01	mg/l	J	sp
ARP	4401482241	EB-10-20160523	2016-05-23	EPA 200.7	7440-47-3	Chromium	0.0041	J	0.0025	0.005	mg/l	J	sp
ARP	4401485631	M-13-20160526	2016-05-26	EPA 200.7	7440-47-3	Chromium	0.92		0.013	0.025	mg/l	J	fd
ARP	4401485631	DUP-11B-20160526	2016-05-26	EPA 200.7	7440-47-3	Chromium	0.56		0.0025	0.005	mg/l	J	fd
ARP	4401485631	M-125-20160526	2016-05-26	EPA 200.7	7440-47-3	Chromium	0.018	J	0.013	0.025	mg/l	J	sp
ARP	4401485631	M-12A-20160526	2016-05-26	EPA 200.7	7440-47-3	Chromium	5.1		0.013	0.025	mg/l	J	fd
ARP	4401485631	DUP-12-20160526	2016-05-26	EPA 200.7	7440-47-3	Chromium	7.1		0.0025	0.005	mg/l	J	fd
ARP	4401485631	M-145-20160526	2016-05-26	EPA 200.7	7440-47-3	Chromium	0.014	J	0.013	0.025	mg/l	J	sp
ARP	4401487921	M-7B-20160531	2016-05-31	EPA 200.7	7439-96-5	Manganese	0.024	J	0.02	0.04	MG/L	J	sp
ARP	4401499171	PC-117-20160613	2016-06-13	EPA 200.7	7440-47-3	Chromium	0.0031	J	0.0025	0.005	mg/l	J	sp
ARP	4401499901	I-AB-20160613	2016-06-13	EPA 200.7	7440-47-3	Chromium	0.0041	J	0.0025	0.005	mg/l	J	sp
Q2S	4401502691	PC-137D-20160615-EB	2016-06-15	EPA 200.7	7440-42-8	Boron	0.015	J	0.01	0.05	MG/L	J	sp
Q2S	4401502691	M-190-20160615-EB	2016-06-15	EPA 200.7	7440-42-8	Boron	0.015	J	0.01	0.05	MG/L	J	sp
Q2S	4401502691	M-145-20160615-FB	2016-06-15	EPA 200.7	7440-42-8	Boron	0.011	J	0.01	0.05	MG/L	J	sp
Q2S	4401503921	PC-159-20160616	2016-06-16	EPA 200.7	7440-47-3	Chromium	0.003	J	0.0025	0.005	MG/L	J	sp
SWF	4401376631	PC-90-20160208	2016-02-08	EPA 200.8	7440-36-0	Antimony	1.8	J	0.5	2	ug/l	J	bl,sp
SWF	4401376631	PC-97-20160208	2016-02-08	EPA 200.8	7440-36-0	Antimony	0.59	J	0.5	2	ug/l	J	bl,sp
Q1S	4401381071	PC-137D-20160211	2016-02-11	EPA 200.8	7440-36-0	Antimony	0.55	J	0.5	2	ug/l	J	sp
SWF	4401385841	BP-04-20160217	2016-02-17	EPA 200.8	7440-36-0	Antimony	0.93	J	0.5	2	ug/l	J	sp
SWF	4401385841	BP-03-20160217	2016-02-17	EPA 200.8	7440-36-0	Antimony	0.94	J	0.5	2	ug/l	J	sp
SWF	4401385841	BP-02-20160217	2016-02-17	EPA 200.8	7440-36-0	Antimony	0.84	J	0.5	2	ug/l	J	sp
SWF	4401385841	BP-01-20160217	2016-02-17	EPA 200.8	7440-36-0	Antimony	0.76	J	0.5	2	ug/l	J	sp
SWF	4401387051	BP-09-20160218	2016-02-18	EPA 200.8	7440-36-0	Antimony	1.1	J	0.5	2	UG/L	J	sp
SWF	4401387051	LVW-08-20160218	2016-02-18	EPA 200.8	7440-36-0	Antimony	0.58	J	0.5	2	UG/L	J	sp
SWF	4401387051	LVW-09-20160218	2016-02-18	EPA 200.8	7440-36-0	Antimony	0.58	J	0.5	2	UG/L	J	sp
SWF	4401387051	LVW-10-20160218	2016-02-18	EPA 200.8	7440-36-0	Antimony	0.63	J	0.5	2	UG/L	J	sp
SWF	4401387051	BP-08-20160218	2016-02-18	EPA 200.8	7440-36-0	Antimony	0.88	J	0.5	2	UG/L	J	sp
SWF	4401387051	BP-08A-20160218-FD	2016-02-18	EPA 200.8	7440-36-0	Antimony	1	J	0.5	2	UG/L	J	sp
SWF	4401387051	BP-05-20160218	2016-02-18	EPA 200.8	7440-36-0	Antimony	0.88	J	0.5	2	UG/L	J	sp
SWF	4401387051	BP-06-20160218	2016-02-18	EPA 200.8	7440-36-0	Antimony	0.97	J	0.5	2	UG/L	J	sp
SWF	4401387051	BP-08A-20160218	2016-02-18	EPA 200.8	7440-36-0	Antimony	0.97	J	0.5	2	UG/L	J	sp
SWF	4401387051	BP-07-20160218	2016-02-18	EPA 200.8	7440-36-0	Antimony	1.3	J	0.5	2	UG/L	J	sp

Table V. Overall Qualified Results

Sampling Event	SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code
SWF	4401387801	LVW-03-20160219-FD	2016-02-19	EPA 200.8	7440-36-0	Antimony	0.5	J	0.5	2	ug/l	J	sp
SWF	4401387801	LVW-05-20160219	2016-02-19	EPA 200.8	7440-36-0	Antimony	0.5	J	0.5	2	ug/l	J	sp
SWF	4401387801	LVW-03-20160219	2016-02-19	EPA 200.8	7440-36-0	Antimony	0.51	J	0.5	2	ug/l	J	sp
SWF	4401387801	LVW-01-20160219	2016-02-19	EPA 200.8	7440-36-0	Antimony	0.5	J	0.5	2	ug/l	J	sp
SWF	4401387801	LVW-06-20160219	2016-02-19	EPA 200.8	7440-36-0	Antimony	0.54	J	0.5	2	ug/l	J	sp
SWF	4401387801	LVW-07-20160219	2016-02-19	EPA 200.8	7440-36-0	Antimony	0.5	J	0.5	2	ug/l	J	sp
IX	4401504021	PC-133-20160617	2016-06-17	EPA 200.8	7782-49-2	Selenium	0.8	J	0.5	2	ug/l	J	sp
ARP	4401348021	M-83-20160112	2016-01-12	EPA 218.6	18540-29-9	Chromium [VI]	1.23		0.019	0.1	mg/l	J+	c
ARP	4401350591	PC-68-20160113	2016-01-13	EPA 218.6	18540-29-9	Chromium [VI]	0.00019	U	0.00019	0.001	mg/l	UJ	c
ARP	4401350591	PC-62-20160113	2016-01-13	EPA 218.6	18540-29-9	Chromium [VI]	0.00019	U	0.00019	0.001	mg/l	UJ	c
ARP	4401350591	ARP-2A-20160113	2016-01-13	EPA 218.6	18540-29-9	Chromium [VI]	0.008		0.00019	0.001	mg/l	J-	c
ARP	4401350591	ARP-3A-20160113	2016-01-13	EPA 218.6	18540-29-9	Chromium [VI]	0.015		0.00019	0.001	mg/l	J-	c
ARP	4401350591	PC-86-20160113	2016-01-13	EPA 218.6	18540-29-9	Chromium [VI]	0.00019	U	0.00019	0.001	mg/l	UJ	c
ARP	4401350591	ARP-4A-20160113	2016-01-13	EPA 218.6	18540-29-9	Chromium [VI]	0.002		0.00019	0.001	mg/l	J-	c
ARP	4401350591	PC-53-20160113	2016-01-13	EPA 218.6	18540-29-9	Chromium [VI]	0.046		0.00019	0.001	mg/l	J-	c
ARP	4401350591	ARP-5A-20160113	2016-01-13	EPA 218.6	18540-29-9	Chromium [VI]	0.005		0.00019	0.001	mg/l	J-	c
ARP	4401350591	ARP-6B-20160113	2016-01-13	EPA 218.6	18540-29-9	Chromium [VI]	0.246		0.019	0.1	mg/l	J-	c
ARP	4401350591	PC-101R-20160113	2016-01-13	EPA 218.6	18540-29-9	Chromium [VI]	0.009		0.00019	0.001	mg/l	J-	c
ARP	4401350591	MW-K5-20160113	2016-01-13	EPA 218.6	18540-29-9	Chromium [VI]	0.011		0.00019	0.001	mg/l	J-	c
ARP	4401350591	MW-K4-20160113	2016-01-13	EPA 218.6	18540-29-9	Chromium [VI]	0.043		0.00019	0.001	mg/l	J-	c
ARP	4401350591	ARP-7-20160113	2016-01-13	EPA 218.6	18540-29-9	Chromium [VI]	0.073		0.00019	0.001	mg/l	J-	c
ARP	4401350591	PC-122-20160113	2016-01-13	EPA 218.6	18540-29-9	Chromium [VI]	0.185		0.019	0.1	mg/l	J-	c
ARP	4401350641	PC-55-20160114	2016-01-14	EPA 218.6	18540-29-9	Chromium [VI]	0.00019	U	0.00019	0.001	mg/l	UJ	c
ARP	4401350641	ARP-1-20160114	2016-01-14	EPA 218.6	18540-29-9	Chromium [VI]	0.00019	U	0.00019	0.001	mg/l	UJ	c
ARP	4401350641	PC-103-20160114	2016-01-14	EPA 218.6	18540-29-9	Chromium [VI]	0.00019	U	0.00019	0.001	mg/l	UJ	c
ARP	4401350641	PC-98R-20160114	2016-01-14	EPA 218.6	18540-29-9	Chromium [VI]	0.00019	U	0.00019	0.001	mg/l	UJ	c
ARP	4401355101	I-E-20160119	2016-01-19	EPA 218.6	18540-29-9	Chromium [VI]	8.69		0.19	1	mg/l	J+	c
ARP	4401355101	I-AR-20160119	2016-01-19	EPA 218.6	18540-29-9	Chromium [VI]	0.001		0.00019	0.001	mg/l	J-	c
ARP	4401355101	I-B-20160119	2016-01-19	EPA 218.6	18540-29-9	Chromium [VI]	0.18		0.019	0.1	mg/l	J-	c
ARP	4401355101	I-C-20160119	2016-01-19	EPA 218.6	18540-29-9	Chromium [VI]	2.56		0.19	1	mg/l	J-	c
ARP	4401355101	I-K-20160119	2016-01-19	EPA 218.6	18540-29-9	Chromium [VI]	2.28		0.19	1	mg/l	J+	c
ARP	4401355101	I-Q-20160119	2016-01-19	EPA 218.6	18540-29-9	Chromium [VI]	24.5		0.19	1	mg/l	J+	c
ARP	4401355101	I-AA-20160119	2016-01-19	EPA 218.6	18540-29-9	Chromium [VI]	0.045		0.00019	0.001	mg/l	J-	c
ARP	4401355101	I-Z-20160119	2016-01-19	EPA 218.6	18540-29-9	Chromium [VI]	9.05		0.19	1	mg/l	J+	c
ARP	4401355101	I-Y-20160119	2016-01-19	EPA 218.6	18540-29-9	Chromium [VI]	0.55		0.0019	0.01	mg/l	J+	c
ARP	4401355101	I-D-20160119	2016-01-19	EPA 218.6	18540-29-9	Chromium [VI]	5.15		0.19	1	mg/l	J-	c
ARP	4401355101	I-AC-20160119	2016-01-19	EPA 218.6	18540-29-9	Chromium [VI]	1.04		0.19	1	mg/l	J+	c
ARP	4401355101	I-P-20160119	2016-01-19	EPA 218.6	18540-29-9	Chromium [VI]	14.7		0.19	1	mg/l	J-	c
ARP	4401355101	I-AB-20160119	2016-01-19	EPA 218.6	18540-29-9	Chromium [VI]	0.00019	U	0.00019	0.001	mg/l	UJ	c
ARP	4401355101	I-AD-20160119	2016-01-19	EPA 218.6	18540-29-9	Chromium [VI]	0.046		0.00019	0.001	mg/l	J+	c
ARP	4401355101	I-J-20160119	2016-01-19	EPA 218.6	18540-29-9	Chromium [VI]	3.78		0.19	1	mg/l	J+	c
ARP	4401355101	I-V-20160119	2016-01-19	EPA 218.6	18540-29-9	Chromium [VI]	14.3		0.19	1	mg/l	J+	c
ARP	4401355101	I-F-20160119	2016-01-19	EPA 218.6	18540-29-9	Chromium [VI]	16.7		0.19	1	mg/l	J+	c
ARP	4401355101	I-U-20160119	2016-01-19	EPA 218.6	18540-29-9	Chromium [VI]	18.1		0.19	1	mg/l	J-	c
ARP	4401355101	I-T-20160119	2016-01-19	EPA 218.6	18540-29-9	Chromium [VI]	20		0.19	1	mg/l	J-	c

Table V. Overall Qualified Results

Sampling Event	SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code
ARP	4401355101	I-G-20160119	2016-01-19	EPA 218.6	18540-29-9	Chromium [VI]	19.6		0.19	1	mg/l	J-	c
ARP	4401355101	I-L-20160119	2016-01-19	EPA 218.6	18540-29-9	Chromium [VI]	0.56		0.00019	0.1	mg/l	J-	c
ARP	4401355101	I-I-20160119	2016-01-19	EPA 218.6	18540-29-9	Chromium [VI]	12.8		0.19	1	mg/l	J+	c
ARP	4401355101	I-W-20160119	2016-01-19	EPA 218.6	18540-29-9	Chromium [VI]	14.5		0.19	1	mg/l	J-	c
ARP	4401355101	I-X-20160119	2016-01-19	EPA 218.6	18540-29-9	Chromium [VI]	11.4		0.19	1	mg/l	J+	c
ARP	4401355101	I-O-20160119	2016-01-19	EPA 218.6	18540-29-9	Chromium [VI]	17.6		0.19	1	mg/l	J-	c
ARP	4401355101	I-N-20160119	2016-01-19	EPA 218.6	18540-29-9	Chromium [VI]	8.9		0.19	1	mg/l	J+	c
ARP	4401355101	I-S-20160119	2016-01-19	EPA 218.6	18540-29-9	Chromium [VI]	1.1		0.019	0.1	mg/l	J-	c
ARP	4401355101	I-R-20160119	2016-01-19	EPA 218.6	18540-29-9	Chromium [VI]	0.34		0.0019	0.01	mg/l	J+	c
ARP	4401355101	I-M-20160119	2016-01-19	EPA 218.6	18540-29-9	Chromium [VI]	6.97		0.19	1	mg/l	J-	c
ARP	4401355101	I-H-20160119	2016-01-19	EPA 218.6	18540-29-9	Chromium [VI]	16.3		0.19	1	mg/l	J-	c
ARP	4401357192	ART-6-20160120	2016-01-20	EPA 218.6	18540-29-9	Chromium [VI]	0.088		0.0019	0.01	mg/l	J+	c
ARP	4401357192	PC-18-20160120	2016-01-20	EPA 218.6	18540-29-9	Chromium [VI]	0.076		0.0019	0.01	mg/l	J+	c
ARP	4401381781	M-95-20160215	2016-02-15	EPA 218.6	18540-29-9	Chromium [VI]	500	H	25	100	ug/l	J-	h
ARP	4401381781	M-44-20160215	2016-02-15	EPA 218.6	18540-29-9	Chromium [VI]	880	H	25	100	ug/l	J-	h
ARP	4401381781	DUP 4-20160215	2016-02-15	EPA 218.6	18540-29-9	Chromium [VI]	870	H	25	100	ug/l	J-	h
ARP	4401388081	DUP 1-20160209	2016-02-09	EPA 218.6	18540-29-9	Chromium [VI]	8.9		0.00019	1	mg/l	J	fd
ARP	4401388081	I-Q-20160209	2016-02-09	EPA 218.6	18540-29-9	Chromium [VI]	20.9		0.00019	1	mg/l	J	fd
ARP	4401408431	ART-6-20160310	2016-03-10	EPA 218.6	18540-29-9	Chromium [VI]	62	H	0.25	1	ug/l	J-	h
ARP	4401461591	PC-99R2/R3-20160502	2016-05-02	EPA 218.6	18540-29-9	Chromium [VI]	0.00019	U	0.00019	0.001	mg/l	UJ	m
ARP	4401464031	I-M-20160503	2016-05-03	EPA 218.6	18540-29-9	Chromium [VI]	7.71		0.00019	1	mg/l	J+	c
ARP	4401464031	I-R-20160503	2016-05-03	EPA 218.6	18540-29-9	Chromium [VI]	0.5		0.00019	0.1	mg/l	J+	c
ARP	4401464031	I-S-20160503	2016-05-03	EPA 218.6	18540-29-9	Chromium [VI]	1.33		0.00019	0.1	mg/l	J+	c
ARP	4401464031	I-D-20160503	2016-05-03	EPA 218.6	18540-29-9	Chromium [VI]	8.87		0.00019	1	mg/l	J+	c
ARP	4401464031	I-L-20160503	2016-05-03	EPA 218.6	18540-29-9	Chromium [VI]	0.82		0.00019	0.1	mg/l	J+	c
ARP	4401464031	I-Y-20160503	2016-05-03	EPA 218.6	18540-29-9	Chromium [VI]	0.84		0.00019	0.1	mg/l	J+	c
ARP	4401464031	I-AA-20160503	2016-05-03	EPA 218.6	18540-29-9	Chromium [VI]	0.06		0.00019	0.01	mg/l	J+	c
ARP	4401464031	I-E-20160503	2016-05-03	EPA 218.6	18540-29-9	Chromium [VI]	8.66		0.00019	1	mg/l	J	c,m,ld
ARP	4401464031	I-C-20160503	2016-05-03	EPA 218.6	18540-29-9	Chromium [VI]	2.89		0.00019	0.1	mg/l	J+	c
ARP	4401464031	I-B-20160503	2016-05-03	EPA 218.6	18540-29-9	Chromium [VI]	0.1		0.00019	0.01	mg/l	J+	c
ARP	4401482281	M-95-20160512	2016-05-12	EPA 218.6	18540-29-9	Chromium [VI]	0.45		0.00019	0.001	mg/l	J+	c
ARP	4401486201	M-12A-20160526	2016-05-26	EPA 218.6	18540-29-9	Chromium [VI]	2.99		0.00019	1	mg/l	J	fd
ARP	4401486201	DUP-12-20160526	2016-05-26	EPA 218.6	18540-29-9	Chromium [VI]	7.12		0.19	1	mg/l	J	fd
ARP	4401486201	M-11-20160526	2016-05-26	EPA 218.6	18540-29-9	Chromium [VI]	2.08		0.00019	1	mg/l	J-	m
SWF	4401387051	LVW-10-20160218	2016-02-18	EPA 300.0	14797-55-8	Nitrate as N	12.2		0.004	0.1	MG/L	J-	h
SWF	4401387051	LVW-10-20160218	2016-02-18	EPA 300.0	14797-55-8	Nitrate as N	54		0.004	0.44	MG/L	J-	h
SWF	4401387051	BP-08A-20160218-FD	2016-02-18	EPA 300.0	14797-55-8	Nitrate as N	0.13		0.004	0.1	MG/L	J-	h
SWF	4401387051	BP-08A-20160218-FD	2016-02-18	EPA 300.0	14797-55-8	Nitrate as N	0.58		0.004	0.44	MG/L	J-	h
SWF	4401387051	BP-09-20160218	2016-02-18	EPA 300.0	14797-55-8	Nitrate as N	3.19		0.004	0.1	MG/L	J-	h
SWF	4401387051	BP-09-20160218	2016-02-18	EPA 300.0	14797-55-8	Nitrate as N	14.1		0.004	0.44	MG/L	J-	h
SWF	4401387051	LVW-08-20160218	2016-02-18	EPA 300.0	14797-55-8	Nitrate as N	12		0.004	0.1	MG/L	J-	h
SWF	4401387051	LVW-08-20160218	2016-02-18	EPA 300.0	14797-55-8	Nitrate as N	53.1		0.004	0.44	MG/L	J-	h
SWF	4401387051	LVW-09-20160218	2016-02-18	EPA 300.0	14797-55-8	Nitrate as N	12.1		0.004	0.1	MG/L	J-	h
SWF	4401387051	LVW-09-20160218	2016-02-18	EPA 300.0	14797-55-8	Nitrate as N	53.6		0.004	0.44	MG/L	J-	h
SWF	4401387051	BP-06-20160218	2016-02-18	EPA 300.0	14797-55-8	Nitrate as N	0.004	U	0.004	0.1	MG/L	UJ	h

Table V. Overall Qualified Results

Sampling Event	SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code
SWF	4401387051	BP-07-20160218	2016-02-18	EPA 300.0	14797-55-8	Nitrate as N	7.3		0.004	0.44	MG/L	J-	h
SWF	4401387051	BP-06-20160218	2016-02-18	EPA 300.0	14797-55-8	Nitrate as N	0.004	U	0.004	0.44	MG/L	UJ	h
SWF	4401387051	BP-08A-20160218	2016-02-18	EPA 300.0	14797-55-8	Nitrate as N	0.13		0.004	0.1	MG/L	J-	h
SWF	4401387051	BP-07-20160218	2016-02-18	EPA 300.0	14797-55-8	Nitrate as N	1.65		0.004	0.1	MG/L	J-	h
SWF	4401387051	BP-08-20160218	2016-02-18	EPA 300.0	14797-55-8	Nitrate as N	0.84		0.004	0.44	MG/L	J-	h
SWF	4401387051	BP-08-20160218	2016-02-18	EPA 300.0	14797-55-8	Nitrate as N	0.19		0.004	0.1	MG/L	J-	h
SWF	4401387051	BP-08A-20160218	2016-02-18	EPA 300.0	14797-55-8	Nitrate as N	0.58		0.004	0.44	MG/L	J-	h
SWF	4401387801	LVW-03-20160219-FD	2016-02-19	EPA 300.0	NO3-N	Nitrate as NO3	56	F1	13	25	mg/l	J-	h,m
SWF	4401387801	LVW-04-20160219	2016-02-19	EPA 300.0	NO3-N	Nitrate as NO3	19		1.3	2.5	mg/l	J-	h
SWF	4401387801	LVW-03-20160219	2016-02-19	EPA 300.0	NO3-N	Nitrate as NO3	58		13	25	mg/l	J-	h,m
SWF	4401387801	LVW-02-20160219	2016-02-19	EPA 300.0	NO3-N	Nitrate as NO3	58		13	25	mg/l	J-	h,m
SWF	4401387801	LVW-05-20160219	2016-02-19	EPA 300.0	NO3-N	Nitrate as NO3	52		13	25	mg/l	J-	h
SWF	4401387801	LVW-06-20160219	2016-02-19	EPA 300.0	NO3-N	Nitrate as NO3	52		13	25	mg/l	J-	h
SWF	4401387801	LVW-07-20160219	2016-02-19	EPA 300.0	NO3-N	Nitrate as NO3	53		13	25	mg/l	J-	h
SWF	4401387801	LVW-01-20160219	2016-02-19	EPA 300.0	NO3-N	Nitrate as NO3	59		13	25	mg/l	J-	h,m
ARP	4401468651	PC-50-20160509	2016-05-09	EPA 300.0	14797-55-8	Nitrate as N	8.2	H	2.8	5.5	mg/l	J-	h
ARP	4401468651	PC-24-20160509	2016-05-09	EPA 300.0	14797-55-8	Nitrate as N	4.8	H	0.11	0.22	mg/l	J-	h
ARP	4401468651	PC-79-20160509	2016-05-09	EPA 300.0	14797-55-8	Nitrate as N	0.29	H	0.11	0.22	mg/l	J-	h
ARP	4401468651	PC-82-20160509	2016-05-09	EPA 300.0	14797-55-8	Nitrate as N	0.055	UH	0.055	0.11	mg/l	UJ	h
ARP	4401468651	PC-128-20160509	2016-05-09	EPA 300.0	14797-55-8	Nitrate as N	19	H	0.55	1.1	mg/l	J-	h
ARP	4401468651	PC-129-20160509	2016-05-09	EPA 300.0	14797-55-8	Nitrate as N	25	H	0.55	1.1	mg/l	J-	h
ARP	4401468651	PC-127-20160509	2016-05-09	EPA 300.0	14797-55-8	Nitrate as N	19	HF1	0.55	1.1	mg/l	J	h,m
ARP	4401468651	PC-126-20160509	2016-05-09	EPA 300.0	14797-55-8	Nitrate as N	30	H	1.1	2.2	mg/l	J-	h
ARP	4401468651	PC-125-20160509	2016-05-09	EPA 300.0	14797-55-8	Nitrate as N	7.8	H	0.55	1.1	mg/l	J-	h
ARP	4401468651	PC-131-20160509	2016-05-09	EPA 300.0	14797-55-8	Nitrate as N	4.9	JH	2.8	5.5	mg/l	J	bl,h,sp
ARP	4401468651	PC-132-20160509	2016-05-09	EPA 300.0	14797-55-8	Nitrate as N	2.8	UH	2.8	5.5	mg/l	UJ	h
ARP	4401468651	PC-124-20160509	2016-05-09	EPA 300.0	14797-55-8	Nitrate as N	25	H	1.1	2.2	mg/l	J-	h
ARP	4401468651	PC-123-20160509	2016-05-09	EPA 300.0	14797-55-8	Nitrate as N	23	H	0.55	1.1	mg/l	J-	h
ARP	4401468651	EB-4-20160509	2016-05-09	EPA 300.0	14797-55-8	Nitrate as N	0.055	UH	0.055	0.11	mg/l	UJ	h
ARP	4401468651	DUP-1-20160509	2016-05-09	EPA 300.0	14797-55-8	Nitrate as N	23	H	0.55	1.1	mg/l	J-	h
ARP	4401468651	PC-130-20160509	2016-05-09	EPA 300.0	14797-55-8	Nitrate as N	33	H	0.55	1.1	mg/l	J-	h
ARP	4401470501	PC-137-20160510	2016-05-10	EPA 300.0	14797-55-8	Nitrate as N	0.2	J	0.11	0.22	mg/l	J	sp
ARP	4401470501	PC-134A-20160510	2016-05-10	EPA 300.0	14797-55-8	Nitrate as N	0.085	J	0.055	0.11	mg/l	J	sp
ARP	4401482241	M-37-20160523	2016-05-23	EPA 300.0	14797-55-8	Nitrate as N	150	H	5.5	11	mg/l	J-	h
ARP	4401486041	PC-91-20160527	2016-05-27	EPA 300.0	14797-55-8	Nitrate as N	1.4		0.28	0.55	mg/l	J-	m
ARP	4401486041	PC-86-20160527	2016-05-27	EPA 300.0	14797-55-8	Nitrate as N	0.7	F1	0.11	0.22	mg/l	J-	m
ARP	4401486041	PC-90-20160527	2016-05-27	EPA 300.0	14797-55-8	Nitrate as N	5.4		0.55	1.1	mg/l	J-	m
ARP	4401504021	PC-121-20160617	2016-06-17	EPA 300.0	11-36-9	Orthophosphate	0.25	U	0.25	0.5	mg/l	UJ	m
ARP	4401504021	PC-119-20160617	2016-06-17	EPA 300.0	14797-55-8	Nitrate as N	0.055	U	0.055	0.11	mg/l	UJ	m
ARP	4401504021	PC-120-20160617	2016-06-17	EPA 300.0	11-36-9	Orthophosphate	0.25	U	0.25	0.5	mg/l	UJ	m
IX	4401504021	PC-133-20160617	2016-06-17	EPA 300.0	11-36-9	Orthophosphate	0.83		0.25	0.5	mg/l	J	ld
IX	4401504021	PC-120-20160617	2016-06-17	EPA 300.0	14797-55-8	Nitrate as N	0.16		0.055	0.11	mg/l	J-	m
IX	4401504021	PC-119-20160617	2016-06-17	EPA 300.0	11-36-9	Orthophosphate	0.25	U	0.25	0.5	mg/l	UJ	m
IX	4401504021	PC-118-20160617	2016-06-17	EPA 300.0	14797-55-8	Nitrate as N	1.4		0.055	0.11	mg/l	J-	m
IX	4401504021	PC-118-20160617	2016-06-17	EPA 300.0	11-36-9	Orthophosphate	0.25	U	0.25	0.5	mg/l	UJ	m

Table V. Overall Qualified Results

Sampling Event	SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code
IX	4401504021	PC-121-20160617	2016-06-17	EPA 300.0	14797-55-8	Nitrate as N	0.11		0.055	0.11	mg/l	J-	m
SWF	4401385841	BP-04-20160217	2016-02-17	EPA 300.1	7790-93-4	Chlorate	10	J	10	20	ug/l	J	sp
SWF	4401387051	BP-09-20160218	2016-02-18	EPA 300.1	7790-93-4	Chlorate	15	J	10	20	UG/L	J	sp
Q2S	4401501181	PC-156B-20160614	2016-06-14	EPA 300.1	7790-93-4	Chlorate	22	J	20	40	UG/L	J	sp
IX	4401504021	PC-121-20160617	2016-06-17	EPA 300.1	7790-93-4	Chlorate	19	J	10	20	ug/l	J	sp
ARP	4401332951	PC-120-20160105	2016-01-05	EPA 314.0	14797-73-0	Perchlorate	9.7	F1	0.5	1	ug/l	J+	m
SWF	4401387051	BP-05-20160218	2016-02-18	EPA 314.0	14797-73-0	Perchlorate	1.2	J	0.95	4	UG/L	J	sp
ARP	4401437051	PC-68-20160406	2016-04-06	EPA 314.0	14797-73-0	Perchlorate	1.3		0.5	1	ug/l	J	bf
ARP	4401480141	HMW-13-20160519	2016-05-19	EPA 314.0	14797-73-0	Perchlorate	31	F1	0.5	1	ug/l	J+	m
ARP	4401480301	M-154-20160519	2016-05-19	EPA 314.0	14797-73-0	Perchlorate	0.98	J	0.5	1	ug/l	J	sp
ARP	4401482241	DUP-7-20160523	2016-05-23	EPA 314.0	14797-73-0	Perchlorate	300000		5000	10000	ug/l	J	fd
ARP	4401482241	M-38-20160523	2016-05-23	EPA 314.0	14797-73-0	Perchlorate	490000		25000	50000	ug/l	J	fd
ARP	4401484731	M-123-20160525	2016-05-25	EPA 314.0	14797-73-0	Perchlorate	1800		50	100	ug/l	J	fd
ARP	4401484731	DUP-11-20160525	2016-05-25	EPA 314.0	14797-73-0	Perchlorate	460		50	100	ug/l	J	fd
ARP	4401485631	EB-13-20160526	2016-05-26	EPA 314.0	14797-73-0	Perchlorate	0.52	J	0.5	1	ug/l	J	sp
ARP	4401496411	PC-68-20160608	2016-06-08	EPA 314.0	14797-73-0	Perchlorate	7	F1	0.5	1	ug/l	J+	m
Q2S	4401499641	M-162D-20160613	2016-06-13	EPA 314.0	14797-73-0	Perchlorate	2	J	0.95	4	UG/L	J	sp
Q2S	4401502691	M-145-20160615	2016-06-15	EPA 314.0	14797-73-0	Perchlorate	3.3	J	0.95	4	UG/L	J	sp
ARP	4401385341	M-10-20160217	2016-02-17	EPA 350.1	NH3_N	Ammonia [as N]	0.12	J	0.1	0.2	mg/l	J	sp
SWF	4401376631	PC-90-20160208	2016-02-08	EPA 365.3	7723-14-0	Phosphorus	35	J	25	50	ug/l	J	sp

ATTACHMENTS

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

2016 Q1 Supplemental (Q1S) and 2016 Q2 Supplemental (Q2S) Sampling Events

I. Sample Receipt and Technical Holding Times

All samples were received in good condition and cooler temperatures upon receipt met validation criteria.

All technical holding time requirements were met.

II. GC/MS Instrument Performance Check

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

All ion abundance requirements were met.

III. Initial Calibration and Initial Calibration Verification

An initial calibration was performed as required by the method.

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

In the case where the laboratory used a calibration curve to evaluate the compounds, all coefficients of determination (r^2) were greater than or equal to 0.990.

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

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

SDG (Sampling Event)	Date	Compound	%D	Associated Samples	Flag	A or P
440-138107-1 (Q1S)	02/19/16 (XEB19037)	Ethyl tert-butyl ether n-Propylbenzene 1,3,5-Trimethylbenzene tert-Butylbenzene	21.6 22.2 20.9 21.7	PC-137D-20160211 PC-134D-20160211 PC-153-20160211-FB PC-153-20160211 PC-153-20160211-EB PC-152-20160211 PC-151-20160211 PC-151-20160211-FD	NA	-
440-149964-1 (Q2S)	06/04/16 (ICV-58)	Bromoform 1,2-Dibromo-3-chloropropane	23.2 23.7	All samples in SDG 440-149964-1	NA	-

SDG (Sampling Event)	Date	Compound	%D	Associated Samples	Flag	A or P
440-150269-1 (Q2S)	06/16/16 (ICV-43)	tert-Butylbenzene	21.4	M-190-20160615-EB PC-137D-20160615-EB	NA	-
440-150269-1 (Q2S)	06/16/16 (ICV-43)	Dichlorodifluoromethane Chloromethane	37.3 22.7	M-190-20160615-EB PC-137D-20160615-EB	UJ (all non-detects) UJ (all non-detects)	A
440-150269-1 (Q2S)	05/04/16 (ICV-56)	Bromoform	22.2	M-145-20160615-TB M-145-20160615 PC-155A-20160615 M-186-20160615 PC-155B-20160615 M-193-20160615 M-190-20160615 PC-134D-20160615 M-191-20160615 PC-137D-20160615 M-145-20160615-FB	NA	-

IV. Continuing Calibration

Continuing calibration was performed at the required frequencies.

Percent differences (%D) were less than or equal to 20.0% for all compounds with the following exceptions:

SDG (Sampling Event)	Date	Compound	%D	Associated Samples	Flag	A or P
440-137977-1 (Q1S)	02/20/16 (YEB20002)	2,2-Dichloropropane	20.7	M-148A-20160210-FB** M-148A-20160210** M-145-20160210** M-189-20160210**	NA	-
440-138107-1 (Q1S)	02/22/16 (YEB22032)	2,2-Dichloropropane	22.2	M-190-20160211-TB M-190-20160211 M-192-20160211 M-190-20160211-EB M-191-20160211 M-193-20160211 PC-137D-20160211-TB	NA	-
440-138107-1 (Q1S)	02/22/16 (XEB22032)	2,2-Dichloropropane	21.6	PC-137D-20160211 PC-134D-20160211 PC-153-20160211-FB PC-153-20160211 PC-153-20160211-EB PC-152-20160211 PC-151-20160211 PC-151-20160211-FD	NA	-

SDG (Sampling Event)	Date	Compound	%D	Associated Samples	Flag	A or P
440-150269-1 (Q21S)	06/22/16 (06:04)	Dichlorodifluoromethane Bromomethane Trichlorofluoromethane Bromochloromethane 1,1,1-Trichloroethane Carbon tetrachloride Trichloroethene Dibromochloromethane 1,1,1,2-Tetrachloroethane Bromoform	30.0 21.5 47.5 29.4 42.4 58.8 29.7 34.1 30.3 34.1	M-145-20160615-TB M-145-20160615 PC-155A-20160615 M-186-20160615 PC-155B-20160615 M-193-20160615 M-190-20160615 PC-134D-20160615 M-191-20160615 PC-137D-20160615 M-145-20160615-FB	NA	-

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

V. Laboratory Blanks

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

VI. Field Blanks

The following field blanks were collected for the 2016 Q1 Supplemental sampling event:

Samples PC-157A-20160209-TB (from SDG 440-137665-1), M-186D-20160210-TB** (from SDG 440-137977-1), PC-156B-20160210-TB (from SDG 440-13009-1) M-190-20160211-TB and PC-137D-20160211-TB (both from SDG 440-138107-1) were identified as trip blanks. No contaminants were found.

Samples M-190-20160211-EB and PC-153-20160211-EB (both from SDG 440-138107-1) were identified as equipment blanks. No contaminants were found.

Samples M-148A-20160210-FB** (from SDG 440-137977-1) and PC-153-20160211-FB (from SDG 440-138107-1) were identified as field blanks. No contaminants were found with the following exceptions:

SDG	Blank ID	Collection Date	Compound	Concentration	Associated Samples
440-137977-1	M-148A-20160210-FB**	02/10/16	Methylene chloride	1.1 ug/L	M-186D-20160210** M-186-20160210** M-186-20160210-FD** M-148A-20160210** M-145-20160210** M-189-20160210**

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	Compound	Reported Concentration	Modified Final Concentration
440-137977-1	M-148A-20160210	Methylene chloride	1.1 ug/L	1.1J ug/L
440-137977-1	M-145-20160210	Methylene chloride	0.94 ug/L	0.94J ug/L
440-137977-1	M-189-20160210	Methylene chloride	1.0 ug/L	1.0J ug/L

The following field blanks were collected for the 2016 Q2 Supplemental sampling event:

Samples M-161D-TB-20160613 (from SDG 440-149964-1), PC-158-TB-20160614 (from SDG 440-150118-1), M-145-20160615-TB (from SDG 440-150269-1), and M-189-TB-20160616 (from SDG 440-150392-1) were identified as trip blanks. No contaminants were found.

Samples M-190-20160615-EB and PC-137D-20160615-EB (both from SDG 440-150269-1) were identified as equipment blanks. No contaminants were found with the following exceptions:

SDG	Blank ID	Collection Date	Compound	Concentration	Associated Samples
440-150269-1	M-190-20160615-EB	06/15/16	Toluene	0.56 ug/L	M-191-20160615
440-150269-1	PC-137D-20160615-EB	06/15/16	Toluene	0.37 ug/L	PC-137D-20160615

Samples PC-156B-FB-20160614 (from SDG 440-150118-1) and M-145-20160615-FB (from SDG 440-150269-1) were identified as field blanks. No contaminants were found.

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

VII. Surrogates

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

SDG (Sampling Event)	Sample	Surrogate	%R (Limits)	Affected Compound	Flag	A or P
440-150269-1 (Q2S)	M-145-20160615-FB	Dibromofluoromethane	133 (76-132)	All compounds	NA	-

VIII. Matrix Spike/Matrix Spike Duplicates

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

SDG (Sampling Event)	Spike ID (Associated Samples)	Compound	MS (%R) (Limits)	MSD (%R) (Limits)	Flag	A or P
440-138009-1 (Q1S)	PC-160-20160210MS/MSD (PC-160-20160210)	Styrene	10 (29-150)	3 (29-150)	UJ (all non-detects)	A
440-138107-1 (Q1S)	PC-151-20160211MS/MSD (PC-151-20160211)	Styrene	0 (29-150)	0 (29-150)	R (all non-detects)	A

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

SDG (Sampling Event)	Spike ID (Associated Samples)	Compound	RPD (Limits)	Flag	A or P
440-138009-1 (Q1S)	PC-160-20160210MS/MSD (PC-160-20160210)	Styrene	111 (≤35)	NA	-

IX. Laboratory Control Samples

Laboratory control samples (LCS) were analyzed as required by the method. Percent recoveries (%R) were within QC limits.

X. Field Duplicates

The following field duplicates were collected for the 2016 Q1 Supplemental sampling event:

Samples PC-155A-20160209 and PC-155A-20160209-FD (both from SDG 440-137665-1), samples M-186-20160210** and M-186-20160210-FD** (both from SDG 440-137977-1), samples PC-154-20160210 and PC-154-20160210-FD (both from SDG 440-138009-1), samples PC-151-20160211 and PC-151-20160211-FD (both from SDG 440-138107-1) were identified as field duplicates. No results were detected in any of the samples with the following exceptions:

SDG	Compound	Concentration (ug/L)		RPD (Limits)	Flag	A or P
		M-186-20160210**	M-186-20160210-FD**			
440-137977-1	Chloroform	650	650	0 (≤30)	-	-

SDG	Compound	Concentration (ug/L)		RPD (Limits)	Flag	A or P
		PC-154-20160210	PC-154-20160210-FD			
440-138009-1	Chloroform	1.3	1.2	8 (≤30)	-	-
	1,1-Dichloroethane	1.1	1.1	0 (≤30)	-	-

SDG	Compound	Concentration (ug/L)		RPD (Limits)	Flag	A or P
		PC-151-20160211	PC-151-20160211-FD			
440-138107-1	Bromodichloromethane	1.1	1.3	17 (≤30)	-	-
	Chloroform	2.9	3.0	3 (≤30)	-	-
	Dibromochloromethane	0.52	0.56	7 (≤30)	-	-
	1,2-Dichlorobenzene	2.0	2.0	0 (≤30)	-	-
	1,4-Dichlorobenzene	2.8	2.8	0 (≤30)	-	-
	1,1-Dichloroethane	0.90	0.90	0 (≤30)	-	-
	1,2-Dichloroethane	0.32	0.35	9 (≤30)	-	-
	1,2,3-Trichlorobenzene	0.67	0.60	11 (≤30)	-	-
	1,2,4-Trichlorobenzene	2.1	1.9	10 (≤30)	-	-

The following field duplicates were collected for the 2016 Q2 Supplemental sampling event:

Samples PC-157A-20160614 and PC-157A-20160614-FD (from SDG 440-150118-1), samples M-186D-20160614 and M-186D-20160614-FD (from SDG 440-150118-1), and samples PC-160-20160616 and PC-160-20160616-FD (from SDG 440-150392-1) were identified as field duplicates. No results were detected in any of the samples with the following exceptions:

SDG	Compound	Concentration (ug/L)		RPD (Limits)	Flag	A or P
		PC-160-20160616	PC-160-20160616-FD			
440-150392-1	Chloroform	0.69	0.73	6 (≤30)	-	-
	1,2-Dichlorobenzene	7.1	7.4	4 (≤30)	-	-

SDG	Compound	Concentration (ug/L)		RPD (Limits)	Flag	A or P
		PC-160-20160616	PC-160-20160616-FD			
440-150392-1	1,3-Dichlorobenzene	0.78	0.79	1 (≤30)	-	-
	1,4-Dichlorobenzene	10	11	10 (≤30)	-	-
	1,1-Dichloroethane	1.9	2.0	5 (≤30)	-	-
	1,2,3-Trichlorobenzene	0.79	0.85	7 (≤30)	-	-
	1,2,4-Trichlorobenzene	6.3	6.5	3 (≤30)	-	-
	Trichloroethene	0.28	0.29	4 (≤30)	-	-
	1,2-Dichloroethane	0.50U	0.44	200 (≤30)	NQ	-

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

XI. Internal Standards

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

XII. Compound Quantitation

All compound quantitations met validation criteria for samples which underwent Stage 4 validation. Raw data were not reviewed for Stage 2B validation.

For the 2016 Q2 Supplemental sampling event, all laboratory reporting limits (RL) met the specified requirements in the QAPP with the exception of several VOCs. The RL for several VOCs were reported at 1.0 ug/L which exceeded the QAPP RL of 0.5 ug/L. No data were qualified due to these elevated RLs since the laboratory reported results when detected between the RL and the method detection limit (MDL) at 0.25 ug/L.

XIII. Target Compound Identifications

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

XIV. System Performance

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

XV. Overall Assessment of Data

The analysis was conducted within all specifications of the method.

Due to MS/MSD %R, data were rejected in one sample.

Due to ICV %D, and MS/MSD %R, data were qualified as estimated in three samples.

Due to field blank contamination, data were qualified as estimated in three samples.

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

NERT 2016
Volatiles - Data Qualification Summary - SDGs 440-137665-1, 440-137977-1, 440-138009-1, 440-138107-1, 440-149964-1, 440-150118-1, 440-150269-1, 440-150392-1

SDG (Sampling Event)	Sample	Compound	Flag	A or P	Reason (Code)
440-150269-1 (Q2S)	M-190-20160615-EB PC-137D-20160615-EB	Dichlorodifluoromethane Chloromethane	UJ (all non-detects) UJ (all non-detects)	A	Initial calibration verification (%D) (c)
440-138009-1 (Q1S)	PC-160-20160210	Styrene	UJ (all non-detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-138107-1 (Q1S)	PC-151-20160211	Styrene	R (all non-detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)

NERT 2016
Volatiles - Laboratory Blank Data Qualification Summary - SDGs 440-137665-1, 440-137977-1, 440-138009-1, 440-138107-1, 440-149964-1, 440-150118-1, 440-150269-1, 440-150392-1

No Sample Data Qualified in these SDGs

NERT 2016
Volatiles - Field Blank Data Qualification Summary - SDGs 440-137665-1, 440-137977-1, 440-138009-1, 440-138107-1, 440-149964-1, 440-150118-1, 440-150269-1, 440-150392-1

SDG (Sampling Event)	Sample	Compound	Modified Final Concentration	A or P	Code
440-137977-1 (Q1S)	M-148A-20160210	Methylene chloride	1.1J ug/L	A	bf
440-137977-1 (Q1S)	M-145-20160210	Methylene chloride	0.94J ug/L	A	bf
440-137977-1 (Q1S)	M-189-20160210	Methylene chloride	1.0J ug/L	A	bf

1,2,3-Trichloropropane and 1,4-Dioxane by Environmental Protection Agency (EPA) SW 846 Method 8260B in Selected Ion Monitoring (SIM) Mode

2016 Q2 Supplemental Sampling Event

I. Sample Receipt and Technical Holding Times

All samples were received in good condition and cooler temperatures upon receipt met validation criteria.

All technical holding time requirements were met.

II. GC/MS Instrument Performance Check

Instrument performance was not required by the method.

III. Initial Calibration and Initial Calibration Verification

An initial calibration was performed as required by the method.

The percent relative standard deviations (%RSD) were less than or equal to 15.0% for all compounds.

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

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

SDG	Date	Compound	%D	Associated Samples	Flag	A or P
440-149964-1 440-150118-1 440-150269-1 440-150392-1	04/29/16 (ICV-45)	1,2,3-Trichloropropane	20.8	M-161D-TB-20160613 M-161D-20160613 PC-153-20160613 M-162D-20160613 PC-152-20160613 PC-151-20160613 PC-158-TB-20160614 PC-158-20160614 PC-154-20160614 PC-157A-20160614 PC-157A-20160614-FD PC-157B-20160614 PC-156B-20160614 PC-156B-FB-20160614 PC-156A-20160614 M-186D-20160614 M-186D-20160614-FD M-145-20160615-TB M-145-20160615 PC-155A-20160615 PC-155B-20160615 M-190-20160615-EB PC-134D-20160615 PC-137D-20160615-EB M-191-20160615 PC-137D-20160615 M-145-20160615-FB PC-160-20160616 PC-160-20160616-FD	NA	-
440-150118-1 440-150269-1 440-150392-1	04/27/16 (ICV-33)	1,2,3-Trichloropropane	28.4	M-148A-20160614 M-186-20160615 M-193-20160615 M-190-20160615 M-19-20160616	J+ (all detects)	A
440-150392-1	04/27/16 (ICV-33)	1,2,3-Trichloropropane	28.4	M-189-20160616 M-192-20160616 PC-159-20160616	NA	-

IV. Continuing Calibration

Continuing calibration was performed at the required frequencies.

Percent differences (%D) were less than or equal to 20.0% for all compounds.

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

V. Laboratory Blanks

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

VI. Field Blanks

Samples M-161D-TB-20160613 (from SDG 440-149964-1), PC-158-TB-20160614 (from SDG 440-150118-1), M-145-20160615-TB (from SDG 440-150269-1), and M-189-TB-20160616 (from SDG 440-150392-1) were identified as trip blanks. No contaminants were found.

Samples M-190-20160615-EB and PC-137D-20160615-EB (both from SDG 440-150269-1) were identified as equipment blanks. No contaminants were found.

Samples PC-156B-FB-20160614 (from SDG 440-150118-1) and M-145-20160615-FB (from SDG 440-150269-1) were identified as field blanks. No contaminants were found.

VII. Surrogates

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

VIII. Matrix Spike/Matrix Spike Duplicates

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

SDG	Spike ID (Associated Samples)	Compound	MS (%R) (Limits)	MSD (%R) (Limits)	Flag	A or P
440-149964-1	M-161D-20160613MS/MSD (M-161D-20160613)	1,2,3-Trichloropropane	150 (55-135)	155 (55-135)	NA	-
440-150118-1	PC-158-20160614MS/MSD (PC-158-20160614)	1,2,3-Trichloropropane	143 (55-135)	142 (55-135)	NA	-
440-150269-1	PC-155B-20160615MS/MSD (PC-155B-20160615)	1,2,3-Trichloropropane	155 (55-135)	152 (55-135)	NA	-
440-150392-1	M-19-20160616MS/MSD (M-19-20160616)	1,4-Dioxane	131 (70-130)	127 (70-130)	NA	-

Relative percent differences (RPD) were within QC limits.

IX. Laboratory Control Samples

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

SDG	LCS ID (Associated Samples)	Compound	%R (Limits)	Flag	A or P
440-149964-1	LCS 440-336431 (All samples in SDG 440-149964-1)	1,2,3-Trichloropropane	142 (60-130)	NA	-
440-150118-1 440-150269-1	LCS 440-337092 (PC-158-TB-20160614 PC-158-20160614 PC-154-20160614 PC-157A-20160614 PC-157A-20160614-FD PC-157B-20160614 PC-156B-20160614 PC-156B-FB-20160614 PC-156A-20160614 M-186D-20160614 M-186D-20160614-FD M-145-20160615-TB M-145-20160615 PC-155A-20160615)	1,2,3-Trichloropropane	144 (60-130)	NA	-
440-150269-1 440-150392-1	LCS 440-337426 (PC-155B-20160615 M-190-20160615-EB PC-134D-20160615 PC-137D-20160615-EB M-191-20160615 PC-137D-20160615 M-145-20160615-FB PC-160-20160616 PC-160-20160616-FD)	1,2,3-Trichloropropane	150 (60-130)	NA	-
440-150392-1	LCS 440-337425 (M-189-20160616 PC-159-20160616)	1,2,3-Trichloropropane	161 (60-130)	NA	-

X. Field Duplicates

Samples PC-157A-20160614 and PC-157A-20160614-FD (from SDG 440-150118-1), samples M-186D-20160614 and M-186D-20160614-FD (from SDG 440-150118-1), and samples PC-160-20160616 and PC-160-20160616-FD (from SDG 440-150118-1) were identified as field duplicates. No results were detected in any of the samples with the following exceptions:

SDG	Compound	Concentration (ug/L)		RPD (Limits)	Flag	A or P
		PC-157A-20160614	PC-157A-20160614-FD			
440-150118-1	1,4-Dioxane	2.0U	0.69	200 (≤30)	NQ	-

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

XI. Internal Standards

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

XII. Compound Quantitation

All compound quantitations met validation criteria for samples which underwent Stage 4 validation. Raw data were not reviewed for Stage 2B validation.

XIII. Target Compound Identifications

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

XIV. System Performance

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

XV. Overall Assessment of Data

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

Due to ICV %D, data were qualified as estimated in five samples.

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

NERT 2016
1,4-Dioxane & 1,2,3-Trichloropropane - Data Qualification Summary – SDGs 440-149964-1, 440-150118-1, 440-150269-1, 440-150392-1

SDG	Sample	Compound	Flag	A or P	Reason (Code)
440-150118-1 440-150269-1 440-150392-1	M-148A-20160614 M-186-20160615 M-193-20160615 M-190-20160615 M-19-20160616	1,2,3-Trichloropropane	J+ (all detects)	A	Initial calibration verification (%D) (c)

NERT 2016
1,4-Dioxane & 1,2,3-Trichloropropane - Laboratory Blank Data Qualification Summary - SDGs 440-149964-1, 440-150118-1, 440-150269-1, 440-150392-1

No Sample Data Qualified in these SDGs

NERT 2016
1,4-Dioxane & 1,2,3-Trichloropropane - Field Blank Data Qualification Summary - SDGs 440-149964-1, 440-150118-1, 440-150269-1, 440-150392-1

No Sample Data Qualified in these SDGs

Total and Dissolved Metals by Environmental Protection Agency (EPA) Methods 200.7/200.8
Dissolved Mercury by EPA SW-846 Method 7470A

Performance Report (ARP), IX, 2016 Q1 Supplemental (Q1S), 2016 Q2 Supplemental (Q2S), Weir Dewatered Groundwater Characterization for Southern Nevada Water Authority (SNWA) and Seep Well Field (SWF) Sampling Events

I. Sample Receipt and Technical Holding Times

All samples were received in good condition.

All technical holding time requirements were met.

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%.

III. Instrument Calibration

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

The initial calibration verification (ICV) and continuing calibration verification (CCV) standards were within QC limits with the following exceptions:

SDG (Sampling Event)	Date	Lab. Reference/ID	Analyte	%R (Limits)	Associated Samples	Flag	A or P
440-137570-1 (SWF)	02/24/16	CRI (20:35)	Aluminum	144 (70-130)	PC-62-20160208	J+ (all detects)	P
440-137663-1 (SWF)	02/24/16	CRI (20:35)	Aluminum	144 (70-130)	PC-90-20160208	J+ (all detects)	P
440-137663-1 (SWF)	02/24/16	CRI (20:35)	Aluminum	144 (70-130)	PC-86-20160208 PC-97-20160208	NA	-
440-138111-1 (SWF)	02/29/16	CRI (08:09)	Zinc	132 (70-1300	PC-120-20160212-FD	J+ (all detects)	P

SDG (Sampling Event)	Date	Lab. Reference/ID	Analyte	%R (Limits)	Associated Samples	Flag	A or P
440-138111-1 (SWF)	02/29/16	CRI (08:09)	Zinc	132 (70-130)	PC-115R-20160212 PC-116R-20160212 PC-118-20160212 PC-119-20160212 PC-120-20160212 PC-121-20160212 PC-117-20160212 PC-133-20160212 PC-99R3-20160212	NA	-
440-138111-1 (SWF)	03/04/16	CRI (06:44)	Lead	60 (70-130)	PC-115R-20160212 PC-116R-20160212 PC-118-20160212 PC-119-20160212 PC-120-20160212 PC-120-20160212-FD PC-121-20160212 PC-117-20160212 PC-133-20160212 PC-99R3-20160212	UJ (all non-detects)	P

Although the low level check standard (CRI) percent recovery for Magnesium in SDGs 440-138111-1 (from SWF sampling event) and 440-138107-1 (from Q1S sampling event) exceeded QC limits, no data were qualified since the associated results were greater than 2X the reporting limit.

IV. ICP Interference Check Sample Analysis

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

V. Laboratory Blanks

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

SDG (Sampling Event)	Blank ID	Analyte	Maximum Concentration	Associated Samples
440-138189-1 (ARP)	PB (prep blank)	Chromium	0.00339 mg/L	PC-54 M-48A M-44 DUP 5 DUP 4 PC-71 PC-73 PC-37 EB3

SDG (Sampling Event)	Blank ID	Analyte	Maximum Concentration	Associated Samples
440-147050-1 (ARP)	ICB/CCB	Chromium	0.00482 mg/L	PC-148 PC-149 PC-143 PC-135A PC-134A EB4 Dup2 Dup3
440-147050-1 (ARP)	ICB/CCB	Chromium	0.00483 mg/L	PC-136 PC-145 PC-4 PC-2
440-148358-1 (ARP)	ICB/CCB	Chromium	0.00384 mg/L	DUP9 M-19 I-AD M-68 I-AC I-K M-74 I-J I-Z I-I M-67 M-73 I-V
440-135574-1 (ARP)	PB (prep blank)	Chromium	0.0131 mg/L	I-X I-N I-E I-V I-I I-Z I-J I-K I-AC I-AD
440-137714-1 (ARP)	ICB/CCB	Chromium	0.00367 mg/L	I-M I-D I-C I-S I-L I-Y
440-137714-1 (ARP)	ICB/CCB	Chromium	0.00383 mg/L	I-R I-B I-AB I-AA I-AR DUP 1 I-O I-W
440-138107-1 (Q1S)	ICB/CCB	Lead Arsenic	0.00304 mg/L 0.606 ug/L	PC-137D-20160211

SDG (Sampling Event)	Blank ID	Analyte	Maximum Concentration	Associated Samples
440-138107-1 (Q1S)	ICB/CCB	Magnesium	0.0212 mg/L	PC-134D-20160211
440-138107-1 (Q1S)	ICB/CCB	Calcium	0.0531 mg/L	PC-137D-20160211 PC-134D-20160211
440-137570-1 (SWF)	PB (prep blank)	Aluminum	0.0260 mg/L	PC-62-20160208
440-137570-1 (SWF)	ICB/CCB	Boron Antimony	0.0126 mg/L 1.40 ug/L	PC-62-20160208
440-137663-1 (SWF)	PB (prep blank)	Aluminum	0.0260 mg/L	All samples in SDG 440-137663-1
440-137663-1 (SWF)	ICB/CCB	Antimony	1.40 ug/L	All samples in SDG 440-137663-1
440-138107-1 (SWF)	ICB/CCB	Lead Calcium	0.00304 mg/L 0.0531 mg/L	PC-91-20160211 PC-91-20160211-FD
440-138111-1 (SWF)	ICB/CCB	Iron	0.0152 mg/L	PC-115R-20160212 PC-116R-20160212 PC-118-20160212 PC-119-20160212 PC-120-20160212 PC-121-20160212 PC-117-20160212
440-138111-1 (SWF)	ICB/CCB	Magnesium	0.0163 mg/L	PC-115R-20160212 PC-116R-20160212 PC-118-20160212 PC-119-20160212 PC-120-20160212 PC-120-20160212-FD PC-121-20160212 PC-117-20160212
440-138111-1 (SWF)	ICB/CCB	Magnesium Sodium	0.0689 mg/L 0.260 mg/L	PC-133-20160212 PC-99R3-20160212
440-138111-1 (SWF)	PB (prep blank)	Iron Lead Sodium	0.0241 mg/L 0.00575 mg/L 0.459 mg/L	PC-115R-20160212 PC-116R-20160212 PC-118-20160212 PC-119-20160212 PC-120-20160212 PC-120-20160212-FD PC-121-20160212 PC-117-20160212 PC-133-20160212 PC-99R3-20160212

SDG (Sampling Event)	Blank ID	Analyte	Maximum Concentration	Associated Samples
440-138584-1 440-138780-1 (SWF)	ICB/CCB	Calcium	0.119 mg/L	BP-03-20160217 BP-04-20160217 LVW-04-20160219 LVW-05-20160219 LVW-06-20160219 LVW-07-20160219
440-138705-1 (SWF)	ICB/CCB	Lead	0.00269 mg/L	BP-09-20160218 BP-06-20160218 BP-07-20160218 BP-08-20160218 BP-08A-20160218 BP-08A-20160218-FD LVW-10-20160218 LVW-09-20160218 LVW-08-20160218
440-138705-1 (SWF)	PB (prep blank)	Aluminum	0.032 mg/L	BP-09-20160218 BP-06-20160218 BP-07-20160218 BP-08-20160218 BP-08A-20160218 BP-08A-20160218-FD LVW-10-20160218 LVW-09-20160218 LVW-08-20160218

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

SDG (Sampling Event)	Sample	Analyte	Reported Concentration	Modified Final Concentration
440-137570-1 (SWF)	PC-62-20160208	Aluminum	0.037 mg/L	0.037J mg/L
440-137663-1 (SWF)	PC-90-20160208	Antimony Aluminum	1.8 ug/L 0.030 mg/L	1.8J ug/L 0.030J mg/L
440-137663-1 (SWF)	PC-97-20160208	Antimony	0.59 ug/L	0.59J ug/L
440-138107-1 (SWF)	PC-91-20160211-FD	Lead	0.0034 ug/L	0.0034J ug/L
440-138111-1 (SWF)	PC-115R-20160212	Iron	0.013 mg/L	0.013J mg/L
440-138111-1 (SWF)	PC-120-20160212	Iron	0.023 mg/L	0.023J mg/L

SDG (Sampling Event)	Sample	Analyte	Reported Concentration	Modified Final Concentration
440-138111-1 (SWF)	PC-121-20160212	Iron	0.024 mg/L	0.024J mg/L
440-138111-1 (SWF)	PC-117-20160212	Iron	0.011 mg/L	0.011J mg/L
440-138705-1 (SWF)	BP-07-20160218	Aluminum	0.034 mg/L	0.034J mg/L
440-138705-1 (SWF)	BP-08-20160218	Aluminum	0.040 mg/L	0.040J mg/L
440-138705-1 (SWF)	BP-08A-20160218	Lead Aluminum	0.0026 mg/L 0.043 mg/L	0.0026J mg/L 0.043J mg/L
440-138705-1 (SWF)	BP-08A-20160218-FD	Aluminum	0.025 mg/L	0.025J mg/L
440-138705-1 (SWF)	LVW-10-20160218	Lead	0.0029 mg/L	0.0029J mg/L
440-138705-1 (SWF)	LVW-08-20160218	Lead	0.0028 mg/L	0.0028J mg/L

VI. Field Blanks

The following field blanks were collected for the Performance Report sampling event:

Samples EB 1 (from SDG 440-146190-1), EB-2 (from SDG 440-138113-1), EB-2 (from SDG 440-146405-1), EB2B (from SDG 440-146593-1), EB3 (from SDG 440-138189-1), EB-3 (from SDG 440-146653-1), EB-4 (from SDG 440-138372-1), EB4 (from SDGs 440-146865-1 and 440-147050-1), EB5 (from SDGs 440-138520-1 and 440-147272-1), EB-6 (from SDG 440-138640-1), EB6 (from SDG 440-147389-1), EB7 (from SDG 440-147472-1), EB7B (from SDG 440-148014-1), EB9 (from SDG 440-148358-1), EB10 (from SDG 440-148224-1), EB12 (from SDG 440-148473-1), EB13 (from SDG 440-148563-1), and EB 20 (from SDG 440-148839-1) were identified as equipment blanks. No contaminants were found with the following exceptions:

SDG	Blank ID	Collection Date	Analyte	Concentration	Associated Samples
440-138640-1	EB-6	02/18/16	Chromium	0.0029 mg/L	M-12A M-31A M-52 M-35 M-19 M-68 DUP-8 M-74
440-148224-1	EB10	05/23/16	Chromium	0.0041 mg/L	M-92 M-97 M-14A M-37 M-25 DUP8 M-65 M-66 M-38 DUP7 M-22A M-79 M-64 M-69 M-136 M-135 M-134

Samples FB (from SDG 440-148224-1) and FB-2 (from SDG 440-148358-1) were identified as field blanks. No contaminants were found.

The following field blanks were collected for the 2016 Q1 Supplemental sampling event:

Samples M-190-20160211-EB and PC-153-20160211-EB (both from SDG 440-138107-1) were identified as equipment blanks. No contaminants were found.

Samples M-148A-20160210-FB (from SDG 440-137977-1) and PC-153-20160211-FB (from SDG 440-138107-1) were identified as field blanks. No contaminants were found.

The following field blanks were collected for the 2016 Q2 Supplemental sampling event:

Samples M-190-20160615-EB and PC-137D-20160615-EB (both from SDG 440-150269-1) were identified as equipment blanks. No contaminants were found with the following exceptions:

SDG	Blank ID	Sampling Date	Analyte	Concentration	Associated Samples
440-150269-1	M-190-20160615-EB	06/15/16	Boron	0.015 mg/L	M-191-20160615
440-150269-1	PC-137D-20160615-EB	06/15/16	Boron	0.015 mg/L	PC-137D-20160615

Samples PC-156B-FB-20160614 (from SDG 440-150118-1) and M-145-20160615-FB (from SDG 440-150269-1) were identified as field blanks. No contaminants were found with the following exceptions:

SDG	Blank ID	Sampling Date	Analyte	Concentration	Associated Samples
440-150269-1	M-145-20160615-FB	06/15/16	Boron	0.011 mg/L	M-145-20160615

The following field blanks were collected for the SWF sampling event:

Sample PC-91-20160211-EB (from SDG 440-138107-1) was identified as an equipment blank. No contaminants were found.

Samples PC-133-20160212-FB (from SDG 440-138111-1) and BP-08-20160218-FB (from SDG 440-138705-1) were identified as field blanks. No contaminants were found.

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

VII. Matrix Spike/Matrix Spike Duplicates

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

SDG (Sampling Event)	Spike ID (Associated Samples)	Analyte	MS (%R) (Limits)	MSD (%R) (Limits)	Flag	A or P
440-138584-1 (SWF)	BP-03-20160217MS/MSD (All samples in SDG 440-138584-1)	Potassium	51 (70-130)	53 (70-130)	J- (all detects)	A

For DUP-6MS/MSD (from SDG 440-138372-1), M-64MS/MSD (from SDG 440-138520-1), M-67MS/MSD (from SDG 440-138789-1), I-OMS/MSD and I-NMS/MSD (both from SDG 440-141083-1), I-OMS/MSD and I-NMS/MSD (both from SDG 440-143540-1), I-OMS/MSD (from SDG 440-146023-1), I-XMS/MSD (from SDG 440-146190-1), DUP9MS/MSD and M-72MS/MSD (both from SDG 440-148358-1), I-VMS/MSD (from SDG 440-149675-1), I-OMS/MSD and I-NMS/MSD (both from SDG 440-149990-1), I-MMS/MSD and I-XMS/MSD (both from SDG 440-135574-1), I-MMS/MSD (from SDG 440-137714-1), no data were qualified for Chromium percent recoveries (%R) outside the QC limits since the parent sample results were greater than 4X the spike concentration (from ARP sampling event).

For M-10MS/MSD (from SDG 440-138534-1), no data were qualified for Boron and Iron percent recoveries (%R) outside the QC limits since the parent sample results were greater than 4X the spike concentration (from ARP sampling event).

For M-190-20160211MS/MSD (from SDG 440-138107-1), no data were qualified for Sodium, Calcium, and Magnesium percent recoveries (%R) outside the QC limits and for PC-137D-20160211MS/MSD (from SDG 440-138107-1), no data were qualified for Boron, Sodium, Potassium, Calcium, and Magnesium percent recoveries (%R) outside the QC limits, since the parent sample results were greater than 4X the spike concentration (from Q1S sampling event).

For PC-62-20160208MS/MSD (from SDG 440-137570-1), PC-115R-20160212MS/MSD (from SDG 440-138111-1), and BP-03-20160217MS/MSD (from SDG 440-138584-1), no data were qualified for Calcium, Magnesium, and Sodium percent recoveries outside the QC limits, for BP-01-20160217MS/MSD (from SDG 440-138584-1), no data were qualified for Calcium, Magnesium, and Potassium percent recoveries outside the QC limits, for BP-05-20160218MS/MSD (from SDG 440-138705-1), no data were qualified for Sodium and Calcium percent recoveries outside the QC limits and for LVW-08-20160218MS/MSD (from SDG 440-138705-1), no data were qualified for Magnesium and Calcium percent recoveries outside the QC limits, since the parent sample results were greater than 4X the spike concentration (from SWF sampling event).

Relative percent differences (RPD) were within QC limits.

VIII. 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.

IX. Serial Dilution

Serial dilution was not performed for these SDGs.

X. Laboratory Control Samples

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

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

XI. Field Duplicates

The following field duplicates were collected for the Performance Report sampling event:

Samples DUP-2 and PC-62 (both from SDG 440-137840-1), samples PC-98R and DUP3 (both from SDG 440-138106-1), samples M-48A and DUP 5 (both from SDG 440-138189-1), samples M-44 and DUP 4 (both from SDG 440-138189-1), samples M-25 and DUP-6 (both from SDG 440-138372-1), samples M-38 and DUP-7 (both from SDG 440-138520-1), samples M-68 and DUP-8 (both from SDG 440-138640-1), samples M-80 and DUP-9 (both from SDG 440-138789-1), samples PC-127 and DUP-1 (both from SDG 440-146865-1), samples PC-149 and Dup2 (both from SDG 440-147050-1), samples PC-4 and Dup3 (both from SDG 440-147050-1), samples M-48A and DUP5 (both from SDG 440-147389-1), samples M-37 and DUP8 (both from SDG 440-148224-1), samples M-38 and DUP7 (both from SDG 440-148224-1), samples M-35 and DUP9 (both from SDG 440-148358-1), samples M-123 and DUP11 (both from SDG 440-148473-1), samples M-12A and DUP12 (both from SDG 440-148563-1), samples M-13 and DUP-11B (both from SDG 440-148563-1), and samples DUP 1 and I-Q (both from SDG 440-137714-1) were identified as field duplicates. No results were detected in any of the samples with the following exceptions:

SDG	Analyte	Concentration (mg/L)		RPD (Limits)	Difference (Limits)	Flag	A or P
		PC-98R	DUP3				
440-138106-1	Chromium	0.0025U	0.0029	-	0.0004 (≤0.0050)	-	-

SDG	Analyte	Concentration (mg/L)		RPD (Limits)	Difference (Limits)	Flag	A or P
		M-48A	DUP 5				
440-138189-1	Chromium	2.0	1.9	5 (≤30)	-	-	-

SDG	Analyte	Concentration (mg/L)		RPD (Limits)	Difference (Limits)	Flag	A or P
		M-44	DUP 4				
440-138189-1	Chromium	0.81	0.85	5 (≤30)	-	-	-

SDG	Analyte	Concentration (mg/L)		RPD (Limits)	Difference (Limits)	Flag	A or P
		M-25	DUP-6				
440-138372-1	Chromium	6.9	6.4	8 (≤30)	-	-	-

SDG	Analyte	Concentration (mg/L)		RPD (Limits)	Difference (Limits)	Flag	A or P
		M-38	DUP-7				
440-138520-1	Chromium	16	17	6 (≤30)	-	-	-

SDG	Analyte	Concentration (mg/L)		RPD (Limits)	Difference (Limits)	Flag	A or P
		M-68	DUP-8				
440-138640-1	Chromium	1.6	1.5	6 (≤30)	-	-	-

SDG	Analyte	Concentration (mg/L)		RPD (Limits)	Difference (Limits)	Flag	A or P
		M-80	DUP-9				
440-138789-1	Chromium	2.0	2.1	5 (≤30)	-	-	-

SDG	Analyte	Concentration (mg/L)		RPD (Limits)	Difference (Limits)	Flag	A or P
		PC-127	DUP-1				
440-146865-1	Chromium	0.91	0.91	0 (≤30)	-	-	-

SDG	Analyte	Concentration (mg/L)		RPD (Limits)	Difference (Limits)	Flag	A or P
		PC-149	Dup2				
440-147050-1	Chromium	0.020	0.018	-	0.002 (≤0.0050)	-	-

SDG	Analyte	Concentration (mg/L)		RPD (Limits)	Difference (Limits)	Flag	A or P
		PC-4	Dup3				
440-147050-1	Chromium	0.11	0.11	0 (≤30)	-	-	-

SDG	Analyte	Concentration (mg/L)		RPD (Limits)	Difference (Limits)	Flag	A or P
		M-48A	DUP5				
440-147389-1	Chromium	2.2	2.0	10 (≤30)	-	-	-

SDG	Analyte	Concentration (mg/L)		RPD (Limits)	Difference (Limits)	Flag	A or P
		M-37	DUP8				
440-148224-1	Chromium	0.014	0.016	-	0.002 (≤0.0050)	-	-

SDG	Analyte	Concentration (mg/L)		RPD (Limits)	Difference (Limits)	Flag	A or P
		M-38	DUP7				
440-148224-1	Chromium	4.7	4.5	4 (≤30)	-	-	-

SDG	Analyte	Concentration (mg/L)		RPD (Limits)	Difference (Limits)	Flag	A or P
		M-35	DUP9				
440-148358-1	Chromium	6.9	6.1	12 (≤30)	-	-	-

SDG	Analyte	Concentration (mg/L)		RPD (Limits)	Difference (Limits)	Flag	A or P
		M-123	DUP11				
440-148473-1	Chromium	0.019	0.017	-	0.002 (≤0.0050)	-	-

SDG	Analyte	Concentration (mg/L)		RPD (Limits)	Difference (Limits)	Flag	A or P
		M-12A	DUP12				
440-148563-1	Chromium	5.1	7.1	33 (≤30)	-	J (all detects)	A

SDG	Analyte	Concentration (mg/L)		RPD (Limits)	Difference (Limits)	Flag	A or P
		M-13	DUP-11B				
440-148563-1	Chromium	0.92	0.56	49 (≤30)	-	J (all detects)	A

SDG	Analyte	Concentration (mg/L)		RPD (Limits)	Difference (Limits)	Flag	A or P
		DUP 1	I-Q				
440-137714-1	Chromium	24	19	23 (≤30)	-	-	

The following field duplicates were collected for the 2016 Q1 Supplemental sampling event:

Samples PC-155A-20160209 and PC-155A-20160209-FD (both from SDG 440-137665-1), samples M-186-20160210** and M-186-20160210-FD** (both from SDG 440-

137977-1), samples PC-154-20160210 and PC-154-20160210-FD (both from SDG 440-13009-1), and samples PC-151-20160211 and PC-151-20160211-FD (both from SDG 440-138107-1) were identified as field duplicates. No results were detected in any of the samples with the following exceptions:

SDG	Analyte	Concentration (mg/L)		RPD (Limits)	Flag	A or P
		PC-155A-20160209	PC-155A-20160209-FD			
440-137665-1	Boron	1.7	1.8	6 (≤30)	-	-

SDG	Analyte	Concentration (mg/L)		RPD (Limits)	Flag	A or P
		M-186-20160210**	M-186-20160210-FD**			
440-137977-1	Boron	0.58	0.60	3 (≤30)	-	-
	Chromium	0.73	0.76	4 (≤30)	-	-

SDG	Analyte	Concentration (mg/L)		RPD (Limits)	Flag	A or P
		PC-154-20160210	PC-154-20160210-FD			
440-138009-1	Boron	2.1	2.1	0 (≤30)	-	-

SDG	Analyte	Concentration (mg/L)		RPD (Limits)	Flag	A or P
		PC-151-20160211	PC-151-20160211-FD			
440-138107-1	Boron	1.8	1.7	6 (≤30)	-	-

The following field duplicates were collected for the 2016 Q1 Supplemental sampling event:

Samples PC-157A-20160614 and PC-157A-20160614-FD (from SDG 440-150118-1), samples M-186D-20160614 and M-186D-20160614-FD (from SDG 440-150118-1), and samples PC-160-20160616 and PC-160-20160616-FD (from SDG 440-150392-1) were identified as field duplicates. No results were detected in any of the samples with the following exceptions:

SDG	Analyte	Concentration (mg/L)		RPD (Limits)	Flag	A or P
		PC-157A-20160614	PC-157A-20160614-FD			
440-150118-1	Boron	0.92	0.86	7 (≤30)	-	-

SDG	Analyte	Concentration (mg/L)		RPD (Limits)	Flag	A or P
		M-186D-20160614	M-186D-20160614-FD			
440-150118-1	Boron	0.71	0.72	1 (≤30)	-	-
	Chromium	0.034	0.033	3 (≤30)	-	-

SDG	Analyte	Concentration (mg/L)		RPD (Limits)	Flag	A or P
		PC-160-20160616	PC-160-20160616-FD			
440-150392-1	Boron	1.9	2.0	5 (≤30)	-	-

The following field duplicates were collected for the SWF sampling event:

Samples PC-91-20160211 and PC-91-20160211-FD (both from SDG 440-138107-1), samples PC-120-20160212 and PC-120-20160212-FD (both from SDG 440-138111-1), samples BP-08A-20150218 and BP-08A-20150218-FD (both from SDG 440-138705-1) and samples LVW-03-20160219 and LVW-03-20160219-FD (both from SDG 440-138780-1) were identified as field duplicates. No results were detected in any of the samples with the following exceptions:

SDG	Analyte	Concentration (mg/L)		RPD (Limits)	Flag	A or P
		PC-91-20160211	PC-91-20160211-FD			
440-138107-1	Barium	0.013	0.013	0 (≤30)	-	-
440-138107-1	Chromium	0.0042	0.0050U	200 (≤30)	NQ	-
440-138107-1	Cobalt	0.0052	0.0055	6 (≤30)	-	-
440-138107-1	Lead	0.0068	0.0034	67 (≤30)	NQ	-
440-138107-1	Manganese	0.048	0.049	2 (≤30)	-	-
440-138107-1	Nickel	0.018	0.018	0 (≤30)	-	-
440-138107-1	Vanadium	0.048	0.050	4 (≤30)	-	-
440-138107-1	Boron	1.4	1.4	0 (≤30)	-	-
440-138107-1	Sodium	610	610	0 (≤30)	-	-
440-138107-1	Potassium	26	27	4 (≤30)	-	-

SDG	Analyte	Concentration (mg/L)		RPD (Limits)	Flag	A or P
		PC-91-20160211	PC-91-20160211-FD			
440-138107-1	Calcium	160	150	6 (≤30)	-	-
440-138107-1	Magnesium	95	97	2 (≤30)	-	-
440-138107-1	Arsenic	73	73	0 (≤30)	-	-

SDG	Analyte	Concentration (mg/L)		RPD (Limits)	Flag	A or P
		PC-120-20160212	PC-120-20160212-FD			
440-138111-1	Barium	0.0084	0.0084	0 (≤30)	-	-
440-138111-1	Cobalt	0.0058	0.0061	5 (≤30)	-	-
440-138111-1	Iron	0.023	0.010U	200 (≤30)	NQ	-
440-138111-1	Nickel	0.018	0.017	6 (≤30)	-	-
440-138111-1	Vanadium	0.038	0.037	3 (≤30)	-	-
440-138111-1	Zinc	0.010U	0.013	200 (≤30)	NQ	-
440-138111-1	Boron	0.64	0.64	0 (≤30)	-	-
440-138111-1	Sodium	330	320	3 (≤30)	-	-
440-138111-1	Potassium	16	15	6 (≤30)	-	-
440-138111-1	Calcium	130	130	0 (≤30)	-	-
440-138111-1	Magnesium	43	43	0 (≤30)	-	-
440-138111-1	Arsenic	96	97	1 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		BP-08A-20150218	BP-08A-20150218-FD			
440-138705-1	Aluminum	0.043 mg/L	0.025 mg/L	53 (≤30)	NQ	-
440-138705-1	Antimony	0.97 ug/L	1.0 ug/L	3 (≤30)	-	-
440-138705-1	Arsenic	2.5 ug/L	2.5 ug/L	0 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		BP-08A-20150218	BP-08A-20150218-FD			
440-138705-1	Barium	0.074 mg/L	0.074 mg/L	0 (≤30)	-	-
440-138705-1	Boron	0.63 mg/L	0.64 mg/L	2 (≤30)	-	-
440-138705-1	Calcium	88 mg/L	88 mg/L	0 (≤30)	-	-
440-138705-1	Iron	0.070 mg/L	0.042 mg/L	50 (≤30)	J (all detects)	A
440-138705-1	Lead	0.0026 mg/L	0.0053 mg/L	68 (≤30)	NQ	-
440-138705-1	Magnesium	60 mg/L	61 mg/L	2 (≤30)	-	-
440-138705-1	Manganese	0.019 mg/L	0.017 mg/L	11 (≤30)	-	-
440-138705-1	Potassium	36 mg/L	36 mg/L	0 (≤30)	-	-
440-138705-1	Sodium	390 mg/L	390 mg/L	0 (≤30)	-	-

SDG	Analyte	Concentration (mg/L)		RPD (Limits)	Flag	A or P
		LVW-03-20160219	LVW-03-20160219-FD			
440-138780-1	Aluminum	0.072 mg/L	0.052 mg/L	32 (≤30)	J (all detects)	A
440-138780-1	Antimony	0.51 ug/L	0.50 ug/L	2 (≤30)	-	-
440-138780-1	Arsenic	7.6 ug/L	7.6 ug/L	0 (≤30)	-	-
440-138780-1	Barium	0.056 mg/L	0.056 mg/L	0 (≤30)	-	-
440-138780-1	Boron	0.60 mg/L	0.60 mg/L	0 (≤30)	-	-
440-138780-1	Calcium	150 mg/L	150 mg/L	0 (≤30)	-	-
440-138780-1	Iron	0.038 mg/L	0.040 mg/L	5 (≤30)	-	-
440-138780-1	Magnesium	73 mg/L	73 mg/L	0 (≤30)	-	-
440-138780-1	Manganese	0.020 mg/L	0.020 mg/L	0 (≤30)	-	-
440-138780-1	Potassium	23 mg/L	23 mg/L	0 (≤30)	-	-
440-138780-1	Sodium	240 mg/L	230 mg/L	4 (≤30)	-	-

SDG	Analyte	Concentration (mg/L)		RPD (Limits)	Flag	A or P
		LVW-03-20160219	LVW-03-20160219-FD			
440-138780-1	Zinc	0.028 mg/L	0.024 mg/L	15 (≤30)	-	-

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

XII. Internal Standards (ICP-MS)

All internal standard percent recoveries (%R) were within QC limits.

XIII. Sample Result Verification

All sample result verifications were acceptable for samples which underwent Stage 4 validation. Raw data were reviewed for Stage 2B validation.

XIV. Overall Assessment of Data

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

Due to calibration %R, MS/MSD %R, and field duplicate RPD, data were qualified as estimated in twenty-four samples.

Due to laboratory blank contamination, data were qualified as estimated in fourteen samples.

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

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Metals - Data Qualification Summary - SDGs 440-133295-1, 440-134803-1, 440-135040-1, 440-135141-1, 440-137458-1, 440-137840-1, 440-138106-1, 440-138113-1, 440-138189-1, 440-138372-1, 440-138520-1, 440-138534-1, 440-138640-1, 440-138789-1, 440-140340-1, 440-140943-1, 440-141083-1, 440-141498-1, 440-143540-1, 440-143883-1, 440-143920-1, 440-146023-1, 440-146034-1, 440-146190-1, 440-146405-1, 440-146593-1, 440-146653-1, 440-146865-1, 440-147050-1, 440-147272-1, 440-147389-1, 440-147472-1, 440-147626-1, 440-147632-1, 440-147795-1, 440-148066-1, 440-148068-1, 440-148224-1, 440-148358-1, 440-148473-1, 440-148563-1, 440-148604-1, 440-148607-1, 440-148792-1, 440-148839-1, 440-149122-1, 440-149431-1, 440-149540-1, 440-149675-1, 440-149777-1, 440-149917-1, 440-149969-1, 440-149990-1, 440-150962-1, 440-135574-1, 440-135719-1, 440-137714-1, 440-143340-1, 440-147809-1, 440-147940-1, 440-147943-1, 440-148014-1, 440-148030-1, 440-148035-1, 440-150402-1, 440-137665-1, 440-137977-1, 440-138009-1, 440-138107-1, 440-149964-1, 440-150118-1, 440-150269-1, 440-150392-1, 440-138461-1, 440-137570-1, 440-137663-1, 440-138111-1, 440-138584-1, 440-138705-1, 440-138780-1

SDG (Sampling Event)	Sample	Analyte	Flag	A or P	Reason (Code)
440-137570-1 (SWF)	PC-62-20160208	Aluminum	J+ (all detects)	P	Calibration (%R) (c)
440-137663-1 (SWF)	PC-90-20160208	Aluminum	J+ (all detects)	P	Calibration (%R) (c)
440-138111-1 (SWF)	PC-120-20160212-FD	Zinc	J+ (all detects)	P	Calibration (%R) (c)
440-138111-1 (SWF)	PC-115R-20160212 PC-116R-20160212 PC-118-20160212 PC-119-20160212 PC-120-20160212 PC-120-20160212-FD PC-121-20160212 PC-117-20160212 PC-133-20160212 PC-99R3-20160212	Lead	UJ (all non-detects)	P	Calibration (%R) (c)
440-138584-1 (SWF)	BP-01-20160217 BP-02-20160217 BP-03-20160217 BP-04-20160217	Potassium	J- (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-148563-1 (ARP)	M-12A DUP12 M-13 DUP-11B	Chromium	J (all detects)	A	Field duplicates (RPD) (fd)
440-138705-1 (SWF)	BP-08A-20150218 BP-08A-20150218-FD	Iron	J (all detects)	A	Field duplicates (RPD) (fd)

SDG (Sampling Event)	Sample	Analyte	Flag	A or P	Reason (Code)
440-138780-1 (SWF)	LVW-03-20160219 LVW-03-20160219-FD	Aluminum	J (all detects)	A	Field duplicates (RPD) (fd)

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Metals - Laboratory Blank Data Qualification Summary - SDGs 440-133295-1, 440-134803-1, 440-135040-1, 440-135141-1, 440-137458-1, 440-137840-1, 440-138106-1, 440-138113-1, 440-138189-1, 440-138372-1, 440-138520-1, 440-138534-1, 440-138640-1, 440-138789-1, 440-140340-1, 440-140943-1, 440-141083-1, 440-141498-1, 440-143540-1, 440-143883-1, 440-143920-1, 440-146023-1, 440-146034-1, 440-146190-1, 440-146405-1, 440-146593-1, 440-146653-1, 440-146865-1, 440-147050-1, 440-147272-1, 440-147389-1, 440-147472-1, 440-147626-1, 440-147632-1, 440-147795-1, 440-148066-1, 440-148068-1, 440-148224-1, 440-148358-1, 440-148473-1, 440-148563-1, 440-148604-1, 440-148607-1, 440-148792-1, 440-148839-1, 440-149122-1, 440-149431-1, 440-149540-1, 440-149675-1, 440-149777-1, 440-149917-1, 440-149969-1, 440-149990-1, 440-150962-1, 440-135574-1, 440-135719-1, 440-137714-1, 440-143340-1, 440-147809-1, 440-147940-1, 440-147943-1, 440-148014-1, 440-148030-1, 440-148035-1, 440-150402-1, 440-137665-1, 440-137977-1, 440-138009-1, 440-138107-1, 440-149964-1, 440-150118-1, 440-150269-1, 440-150392-1, 440-138461-1, 440-137570-1, 440-137663-1, 440-138111-1, 440-138584-1, 440-138705-1, 440-138780-1

SDG (Sampling Event)	Sample	Analyte	Modified Final Concentration	A or P	Code
440-137570-1 (SWF)	PC-62-20160208	Aluminum	0.037J mg/L	A	bl
440-137663-1 (SWF)	PC-90-20160208	Antimony Aluminum	1.8J ug/L 0.030J mg/L	A	bl
440-137663-1 (SWF)	PC-97-20160208	Antimony	0.59J ug/L	A	bl
440-138107-1 (SWF)	PC-91-20160211-FD	Lead	0.0034J ug/L	A	bl
440-138111-1 (SWF)	PC-115R-20160212	Iron	0.013J mg/L	A	bl
440-138111-1 (SWF)	PC-120-20160212	Iron	0.023J mg/L	A	bl
440-138111-1 (SWF)	PC-121-20160212	Iron	0.024J mg/L	A	bl

SDG (Sampling Event)	Sample	Analyte	Modified Final Concentration	A or P	Code
440-138111-1 (SWF)	PC-117-20160212	Iron	0.011J mg/L	A	bl
440-138705-1 (SWF)	BP-07-20160218	Aluminum	0.034J mg/L	A	bl
440-138705-1 (SWF)	BP-08-20160218	Aluminum	0.040J mg/L	A	bl
440-138705-1 (SWF)	BP-08A-20160218	Lead Aluminum	0.0026J mg/L 0.043J mg/L	A	bl
440-138705-1 (SWF)	BP-08A-20160218-FD	Aluminum	0.025J mg/L	A	bl
440-138705-1 (SWF)	LVW-10-20160218	Lead	0.0029J mg/L	A	bl
440-138705-1 (SWF)	LVW-08-20160218	Lead	0.0028J mg/L	A	bl

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Metals - Field Blank Data Qualification Summary - SDGs 440-133295-1, 440-134803-1, 440-135040-1, 440-135141-1, 440-137458-1, 440-137840-1, 440-138106-1, 440-138113-1, 440-138189-1, 440-138372-1, 440-138520-1, 440-138534-1, 440-138640-1, 440-138789-1, 440-140340-1, 440-140943-1, 440-141083-1, 440-141498-1, 440-143540-1, 440-143883-1, 440-143920-1, 440-146023-1, 440-146034-1, 440-146190-1, 440-146405-1, 440-146593-1, 440-146653-1, 440-146865-1, 440-147050-1, 440-147272-1, 440-147389-1, 440-147472-1, 440-147626-1, 440-147632-1, 440-147795-1, 440-148066-1, 440-148068-1, 440-148224-1, 440-148358-1, 440-148473-1, 440-148563-1, 440-148604-1, 440-148607-1, 440-148792-1, 440-148839-1, 440-149122-1, 440-149431-1, 440-149540-1, 440-149675-1, 440-149777-1, 440-149917-1, 440-149969-1, 440-149990-1, 440-150962-1, 440-135574-1, 440-135719-1, 440-137714-1, 440-143340-1, 440-147809-1, 440-147940-1, 440-147943-1, 440-148014-1, 440-148030-1, 440-148035-1, 440-150402-1, 440-137665-1, 440-137977-1, 440-138009-1, 440-138107-1, 440-149964-1, 440-150118-1, 440-150269-1, 440-150392-1, 440-138461-1, 440-137570-1, 440-137663-1, 440-138111-1, 440-138584-1, 440-138705-1, 440-138780-1

No Sample Data Qualified in these SDGs

Hexavalent Chromium by EPA Method 218.6
Chloride, Nitrate as Nitrogen, Nitrate as NO_3, Nitrite as Nitrogen, Orthophosphate as Phosphate, and Sulfate (Anions) by EPA Method 300.0
Nitrate/Nitrite as Nitrogen by Calculation
Total Inorganic Nitrogen by Calculation
Chlorate by EPA Method 300.1B
Perchlorate by EPA Method 314.0
Ammonia as Nitrogen by EPA Method 350.1
Total Kjeldahl Nitrogen by EPA Method 351.2
Total Phosphorus by EPA Method 365.3
Total Recoverable Phenolics by EPA Method 420.1
Hexane Extractable Material (HEM) by EPA Method 1664A
Alkalinity by Standard Method 2320B
Specific Conductance by Standard Method 2510B
Total Dissolved Solids by Standard Method 2540C
Total Suspended Solids by Standard Method 2540D
Ammonia as Nitrogen by Standard Method 4500-NH3 D
Biochemical Oxygen Demand by Standard Method 5210B
Dissolved Organic Carbon by Standard Method 5310B
Total Organic Carbon by Standard Method 5310C
Total Organic Halogen by EPA SW 846 Method 9020B
Sulfide by EPA SW846 Method 9034
pH by EPA SW 846 Method 9040C
pH by Field Sampling Method

Performance Report (ARP), IX, 2016 Q1 Supplemental (Q1S), 2016 Q2 Supplemental (Q2S), Weir Dewatered Groundwater Characterization for Southern Nevada Water Authority (SNWA) and Seep Well Field (SWF) Sampling Events

I. Sample Receipt and Technical Holding Times

All samples were received in good condition.

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

SDG (Sampling Event)	Sample	Analyte	Total Time From Sample Collection Until Analysis	Required Holding Time From Sample Collection Until Analysis	Flag	A or P
440-138178-1 (ARP)	DUP 4	Hexavalent chromium	25.72 hours	24 hours	J- (all detects)	P
440-138178-1 (ARP)	M-95	Hexavalent chromium	24.13 hours	24 hours	J- (all detects)	P
440-138178-1 (ARP)	M44	Hexavalent chromium	25.95 hours	24 hours	J- (all detects)	P
440-140843-1 (ARP)	ART-6	Hexavalent chromium	26.98 hours	24 hours	J- (all detects)	P

SDG (Sampling Event)	Sample	Analyte	Total Time From Sample Collection Until Analysis	Required Holding Time From Sample Collection Until Analysis	Flag	A or P
440-146865-1 (ARP)	PC-123	Nitrate as N	73.08 hours	48 hours	J- (all detects)	P
440-146865-1 (ARP)	PC-128	Nitrate as N	73.03 hours	48 hours	J- (all detects)	P
440-146865-1 (ARP)	PC-129	Nitrate as N	73.00 hours	48 hours	J- (all detects)	P
440-146865-1 (ARP)	PC-130	Nitrate as N	72.90 hours	48 hours	J- (all detects)	P
440-146865-1 (ARP)	PC-50	Nitrate as N	84.75 hours	48 hours	J- (all detects)	P
440-146865-1 (ARP)	PC-131	Nitrate as N	73.68 hours	48 hours	J- (all detects)	P
440-146865-1 (ARP)	EB4	Nitrate as N	73.28 hours	48 hours	UJ (all non-detects)	P
440-146865-1 (ARP)	PC-132	Nitrate as N	73.63 hours	48 hours	UJ (all non-detects)	P
440-146865-1 (ARP)	PC-124	Nitrate as N	73.40 hours	48 hours	J- (all detects)	P
440-146865-1 (ARP)	PC-125	Nitrate as N	73.95 hours	48 hours	J- (all detects)	P
440-146865-1 (ARP)	PC-126	Nitrate as N	73.97 hours	48 hours	J- (all detects)	P
440-146865-1 (ARP)	PC-24 PC-127	Nitrate as N	74.05 hours	48 hours	J- (all detects)	P
440-146865-1 (ARP)	DUP-1	Nitrate as N	75.55 hours	48 hours	J- (all detects)	P
440-146865-1 (ARP)	PC-79	Nitrate as N	73.75 hours	48 hours	J- (all detects)	P
440-146865-1 (ARP)	PC-82	Nitrate as N	74.60 hours	48 hours	UJ (all non-detects)	P
440-147389-1 (ARP)	PC-54 MC-3 M-95	Total dissolved solids	8 days	7 days	J- (all detects)	A

SDG (Sampling Event)	Sample	Analyte	Total Time From Sample Collection Until Analysis	Required Holding Time From Sample Collection Until Analysis	Flag	A or P
440-148224-1 (ARP)	M-37	Nitrate as N	60.13 hours	48 hours	J- (all detects)	P
440-138461-1 (SNWA)	WMW6.55S-20160217	pH	120.80 hours	48 hours	J (all detects)	P
440-138461-1 (SNWA)	WMW6.15S-20160217	pH	119.73 hours	48 hours	J (all detects)	P
440-138461-1 (SNWA)	WMW5.58SI-20160217	pH	118.18 hours	48 hours	J (all detects)	P
440-138705-1/ 16-1188A (SWF)	BP-09-20160218	Nitrate as NO_3 Nitrate as N	77.85 hours	48 hours	J- (all detects) J- (all detects)	P
440-138705-1/ 16-1188A (SWF)	BP-06-20160218	Nitrate as NO_3 Nitrate as N	77.33 hours	48 hours	UJ (all non-detects) UJ (all non-detects)	P
440-138705-1/ 16-1188A (SWF)	BP-07-20160218	Nitrate as NO_3 Nitrate as N	76.77 hours	48 hours	J- (all detects) J- (all detects)	P
440-138705-1/ 16-1188A (SWF)	BP-08-20160218	Nitrate as NO_3 Nitrate as N	103.63 hours	48 hours	J- (all detects) J- (all detects)	P
440-138705-1/ 16-1188A (SWF)	BP-08A-20160218	Nitrate as NO_3 Nitrate as N	102.85 hours	48 hours	J- (all detects) J- (all detects)	P
440-138705-1/ 16-1188A (SWF)	BP-08A-20160218-FD	Nitrate as NO_3 Nitrate as N Alkalinity	103.02 hours 103.02 hours 65 days	48 hours 48 hours 14 days	J- (all detects)	P
440-138705-1/ 16-1188A (SWF)	LVW-10-20160218	Nitrate as NO_3 Nitrate as N	73.60 hours	48 hours	J- (all detects) J- (all detects)	P
440-138705-1/ 16-1188A (SWF)	LVW-09-20160218	Nitrate as NO_3 Nitrate as N	73.48 hours	48 hours	J- (all detects) J- (all detects)	P
440-138705-1/ 16-1188A (SWF)	LVW-08-20160218	Nitrate as NO_3 Nitrate as N	73.27 hours	48 hours	J- (all detects) J- (all detects)	P
440-138780-1/ 16-1200 (SWF)	LVW-01-20160219	Nitrate as N	58.27 hours	48 hours	J- (all detects)	P

SDG (Sampling Event)	Sample	Analyte	Total Time From Sample Collection Until Analysis	Required Holding Time From Sample Collection Until Analysis	Flag	A or P
440-138780-1/ 16-1200 (SWF)	LVW-02-20160219	Nitrate as N	58.22 hours	48 hours	J- (all detects)	P
440-138780-1/ 16-1200 (SWF)	LVW-03-20160219	Nitrate as N	57.15 hours	48 hours	J- (all detects)	P
440-138780-1/ 16-1200 (SWF)	LVW-03-20160219-FD	Nitrate as N	57.32 hours	48 hours	J- (all detects)	P
440-138780-1/ 16-1200 (SWF)	LVW-04-20160219	Nitrate as N	56.78 hours	48 hours	J- (all detects)	P
440-138780-1/ 16-1200 (SWF)	LVW-05-20160219	Nitrate as N	56.98 hours	48 hours	J- (all detects)	P
440-138780-1/ 16-1200 (SWF)	LVW-06-20160219	Nitrate as N	56.97 hours	48 hours	J- (all detects)	P
440-138780-1/ 16-1200 (SWF)	LVW-07-20160219	Nitrate as N	56.92 hours	48 hours	J- (all detects)	P

II. Initial Calibration

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

III. Continuing Calibration

Continuing calibration frequency was met with the following exceptions:

SDG (Sampling Event)	Sample	Analyte	Finding	Criteria
440-133105-1/ 16-0096 (ARP)	All samples in SDG 440-133105-1/ 16-0096	Hexavalent chromium	No ICV was performed before the samples after reslope.	ICV must be performed before the samples.
440-134802-1/ 16-0234 (ARP)	M-83 PC-97 PC-90 PC-91	Hexavalent chromium	No ICV was performed before the samples after reslope.	ICV must be performed before the samples.

SDG (Sampling Event)	Sample	Analyte	Finding	Criteria
440-140223-1/ 16-1577 (ARP)	PC133	Hexavalent chromium	No CCV was performed before the samples after reslope.	CCV must be performed before the samples.
440-141070-1/ 16-1735 (ARP)	I-O I-W I-P I-H I-U I-T I-G I-Q I-F I-X I-N I-E I-M I-D I-S I-L I-AB I-AA I-AR	Hexavalent chromium	No ICV was performed before the samples after recalibration.	ICV must be performed before the samples.
440-142938-1/ 16-1817 (ARP)	I-AD I-AC I-I I-Z I-V	Hexavalent chromium	No ICV was performed before the samples after recalibration.	ICV must be performed before the samples.
440-143345-1/ 16-2275 (ARP)	All samples in SDG 440-143345-1/ 16-2275	Hexavalent chromium	No ICV was performed before the samples after reslope.	ICV must be performed before the samples.
440-143869-1/ 16-2330 (ARP)	All samples in SDG 440-143869-1/ 16-2330	Hexavalent chromium	No ICV was performed before the samples after reslope.	ICV must be performed before the samples.
440-145951-1/ 16-2469 (ARP)	All samples in SDG 440-145951-1/ 16-2469	Hexavalent chromium	CCV was not performed at the required frequencies.	CCV should be performed once every ten samples.
440-146403-1/ 16-3202 (ARP)	All samples in SDG 440-146403-1/ 16-3202	Hexavalent chromium	No ICV was performed before the samples after reslope.	ICV must be performed before the samples.
440-148081-1/ 16-3515 (ARP)	All samples in SDG 440-148081-1/ 16-3515	Hexavalent chromium	No ICV was performed before the samples after reslope.	ICV must be performed before the samples.
440-148228-1/ 16-3487 (ARP)	All samples in SDG 440-148228-1/ 16-3487	Hexavalent chromium	No ICV was performed before the samples after reslope.	ICV must be performed before the samples.
440-145949-1/ 16-2431 (ARP)	All samples in SDG 440-145949-1/ 16-2431	Hexavalent chromium	No ICV was performed before the samples after reslope.	ICV must be performed before the samples.

SDG (Sampling Event)	Sample	Analyte	Finding	Criteria
440-145949-1/ 16-2431 (ARP)	All samples in SDG 440-145949-1/ 16-2431	Hexavalent chromium	CCV was not performed at the required frequencies.	CCV should be performed once every ten samples.
440-138705-1/ 16-1188A (SWF)	BP-05-20160218	Nitrate as NO_3	Closing CCV was not performed due to injection error.	CCV should be performed after the samples.

Although initial calibration verification/continuing calibration verification (ICV/CCV) were not performed, using professional judgment, data were not qualified in the associated samples. Since the MS/MSD and LCS percent recoveries were within criteria, the absence of ICV/CCV was judged to have no impact on the data quality.

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

SDG (Sampling Event)	Date	Lab. Reference/ID	Analyte	%R (Limits)	Associated Samples	Flag	A or P
440-134802-1/ 16-0234 (ARP)	01/19/16	CCV (20:41)	Hexavalent chromium	111 (90-110)	M-83	J+ (all detects)	P
440-134802-1/ 16-0234 (ARP)	01/19/16	CCV (20:41)	Hexavalent chromium	111 (90-110)	PC-97 PC-90 PC-91	NA	-
440-135059-1/ 16-0290 (ARP)	01/25/16	ICV (12:45)	Hexavalent chromium	83 (90-110)	All samples in SDG 440-135059-1/16-0290	J- (all detects) UJ (all non-detects)	P
440-135059-1/ 16-0290 (ARP)	01/25/16	CCV (14:55)	Hexavalent chromium	85 (90-110)	PC-62 PC-86 PC-122 PC-53 MW-K5 ARP-7	J- (all detects) UJ (all non-detects)	P
440-135064-1/ 16-0331 (ARP)	01/25/16	ICV (12:45)	Hexavalent chromium	83 (90-110)	All samples in SDG 440-135064-1/16-0331	UJ (all non-detects)	P
440-146403-1/ 16-3202 (ARP)	05/18/16	CCV (04:15)	Hexavalent chromium	111 (90-110)	I-E I-M I-D I-C I-S I-L I-Y I-R I-B I-AA	J+ (all detects)	P

SDG (Sampling Event)	Date	Lab. Reference/ID	Analyte	%R (Limits)	Associated Samples	Flag	A or P
440-146403-1/ 16-3202 (ARP)	05/18/16	CCV (04:15)	Hexavalent chromium	111 (90-110)	I-AB I-AR EB 1	NA	-
440-148081-1/ 16-3515 (ARP)	05/18/16	CCV (11:06)	Hexavalent chromium	111 (90-110)	All samples in SDG 440-148081-1/16-3515	NA	-
440-148228-1/ 16-3487 (ARP)	05/18/16	CCV (11:06)	Hexavalent chromium	111 (90-110)	M-95	J+ (all detects)	P
440-148228-1/ 16-3487 (ARP)	05/18/16	CCV (11:06)	Hexavalent chromium	111 (90-110)	EB-6	NA	-
440-135510-1/ 16-0421 (ARP)	01/25/16	ICV (12:45)	Hexavalent chromium	83 (90-110)	I-M I-D I-C I-S I-L I-B I-AB I-AA I-AR I-O I-W I-P I-H I-U I-T I-G	J- (all detects) UJ (all non-detects)	P
440-135510-1/ 16-0421 (ARP)	02/01/16	ICV (15:46)	Hexavalent chromium	112 (90-110)	I-Y I-R I-Q I-F I-X I-N I-E I-V I-I I-Z I-J I-K I-AC I-AD	J+ (all detects)	P

SDG (Sampling Event)	Date	Lab. Reference/ID	Analyte	%R (Limits)	Associated Samples	Flag	A or P
440-135510-1/ 16-0421 (ARP)	02/01/16	CCV (19:07)	Hexavalent chromium	122 (90-110)	I-Y I-R I-Q I-F I-X I-N I-E I-V I-I I-Z I-J I-K I-AC I-AD	J+ (all detects)	P
440-135719-2/ 16-0464 (ARP)	02/01/16	ICV (15:46)	Hexavalent chromium	112 (90-110)	All samples in SDG 440-135719-2/ 16-0464	J+ (all detects)	P
440-135719-2/ 16-0464 (ARP)	02/01/16	CCV (19:07)	Hexavalent chromium	122 (90-110)	All samples in SDG 440-135719-2/16-0464	J+ (all detects)	P

The laboratory indicated that the initial calibration verification (ICV) suffered a pressure error that corrected itself with the subsequent LCS analysis. Since the LCS recovery (96%) was within QC limits, using professional judgement, no data were qualified in the associated samples listed below.

SDG (Sampling Event)	Date	Lab. Reference/ID	Analyte	%R (Limits)	Associated Samples
440-138111-1/ 16-1047 (SWF)	02/12/16	ICV (16:59)	Nitrate as NO_3	0 (90-110)	All samples in SDG 440-138111-1/16-1047

IV. Laboratory Blanks

Laboratory blanks were analyzed as required by the methods with the following exceptions:

SDG (Sampling Event)	Sample	Analyte	Finding	Criteria
440-134802-1/ 16-0234 (ARP)	M-83 PC-97 PC-90 PC-91	Hexavalent chromium	CCB was not performed at the required frequencies.	CCB should be performed once every ten samples.

SDG (Sampling Event)	Sample	Analyte	Finding	Criteria
440-135064-1/ 16-0331 (ARP)	PC-98R PC-103	Hexavalent chromium	CCB was not analyzed following the CCV analyzed on 1/25/16 at 23:04.	CCB should be analyzed immediately following a CCV.
440-137840-2/ 16-0996 (ARP)	I-V I-I I-Z	Hexavalent chromium	ICB was not analyzed following the ICV analyzed on 2/12/16 at 12:41.	ICB should be analyzed immediately following an ICV.
440-138808-2/ 16-0956 (ARP)	I-B I-AB I-AA I-AR DUP 1	Hexavalent chromium	ICB was not analyzed following the ICV analyzed on 2/12/16 at 12:41.	ICB should be analyzed immediately following an ICV.
440-141070-1/ 16-1735 (ARP)	I-O I-W I-P I-H I-U I-T I-G I-Q I-F I-X I-N I-E I-M I-D I-S I-L I-AB I-AA I-AR	Hexavalent chromium	ICB was not analyzed following the recalibration.	ICB should be analyzed after a recalibration.
440-142938-1/ 16-1817 (ARP)	I-AD I-AC I-I I-Z I-V	Hexavalent chromium	ICB was not analyzed following the recalibration.	ICB should be analyzed after a recalibration.
440-145951-1/ 16-2469 (ARP)	All samples in SDG 440-145951-1/ 16-2469	Hexavalent chromium	CCB was not performed at the required frequencies.	CCB should be performed once every ten samples.
440-148620-1/ 16-3844 (ARP)	M-11 EB-13 DUP-12	Hexavalent chromium	CCB was not analyzed following the CCV analyzed on 5/26/16 at 21:31.	A CCB should be analyzed immediately following a CCV.

SDG (Sampling Event)	Sample	Analyte	Finding	Criteria
440-135510-1/ 16-0421 (ARP)	I-M I-D I-C I-S I-L I-B I-AB I-AA I-AR I-O I-W I-P I-H I-U I-T I-G	Hexavalent chromium	CCB was not performed at the required frequencies.	CCB should be performed once every ten samples.
440-145949-1/ 16-2431 (ARP)	All samples in SDG 440-145949-1/ 16-2431	Hexavalent chromium	CCB was not performed at the required frequencies.	CCB should be performed once every ten samples.
440-145949-1/ 16-2431 (ARP)	All samples in SDG 440-145949-1/ 16-2431	Hexavalent chromium	No ICB was performed before the samples after reslope.	ICB must be performed before the samples.
440-138705-1/ 16-1188A (SWF)	BP-05-20160218	Nitrate as NO_3	Closing CCB was not performed due to injection error.	Closing CCB must be performed after the samples.

Although initial calibration blank/continuing calibration blank (ICB/CCB) was not performed, using professional judgment, data were not qualified in the associated samples. Since the associated method blank was analyzed prior to the samples and no contaminants were found, the absence of ICB/CCB was judged to have no impact on the data quality.

No contaminants were found in the laboratory blanks with the following exceptions:

SDG (Sampling Event)	Blank ID	Analyte	Maximum Concentration	Associated Samples
440-146865-1 (ARP)	ICB/CCB	Nitrate as N	0.0952 ug/mL	PC-123 PC-128 PC-129 PC-130 PC-50 PC-131 EB4 PC-132 PC-124 PC-125 PC-126 PC-24 PC-127

SDG (Sampling Event)	Blank ID	Analyte	Maximum Concentration	Associated Samples
440-137570-1 (SWF)	PB (prep blank)	Nitrate as N Nitrate as NO_3 Chloride Sulfate	59.9 ug/L 265 ug/L 329 ug/L 308 ug/L	PC-62-20160208
440-137570-1 (SWF)	ICB/CCB	Nitrate as N Nitrate as NO_3 Chloride Sulfate	0.0657 mg/L 0.291 mg/L 0.375 mg/L 0.322 mg/L	PC-62-20160208
440-137663-1 (SWF)	PB (prep blank)	Chloride	250 ug/L	All samples in SDG 440-137663-1
440-137663-1 (SWF)	ICB/CCB	Chloride	0.250 mg/L	All samples in SDG 440-137663-1

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

SDG (Sampling Event)	Sample	Analyte	Reported Concentration	Modified Final Concentration
440-146865-1 (ARP)	PC-131	Nitrate as N	4.9 mg/L	4.9J mg/L

V. Field Blanks

The following field blanks were collected for the Performance Report sampling event:

Samples MEB-1 (from SDGs 440-134803-1, 440-137840-1, 440-140937-1, 440-143705-1, 440-146593-1, and 440-149969-1), EB 1 (from SDGs 440-146190-1 and 440-146403-1/16-3202), EB-2 (from SDGs 440-138113-1, 440-138113-2/16-1046, and 440-146405-1), EB2B (from SDG 440-146593-1), EB3 (from SDG 440-138189-1), EB-3 (from SDG 440-146653-1), EB-4 (from SDG 440-138372-1), EB4 (from SDGs 440-146865-1 and 440-147050-1), EB5 (from SDGs 440-138520-1 and 440-147272-1), EB-6 (from SDG 440-138640-1), EB6 (from SDG 440-147389-1), EB-6 (from SDG 440-148228-1/16-3487), EB7 (from SDGs 440-147472-1, 440-148081-1/16-3515, and 440-148084-1/16-3670), EB-8 (from SDG 440-148035-1), EB9 (from SDGs 440-148358-1 and 440-150399-1/16-3762), EB10 (from SDG 440-148224-1), EB-10 (from SDG 440-148233-1/16-3730), EB12 (from SDG 440-148473-1), EB-12 (from SDG 440-148622-1/16-3811), EB13 (from SDG 440-148563-1), EB-13 (from SDG 440-148620-1/16-3844), and EB 20 (from SDG 440-148839-1) were identified as equipment blanks. No contaminants were found with the following exceptions:

SDG	Blank ID	Collection Date	Analyte	Concentration	Associated Samples
440-138372-1	EB-4	02/16/16	Perchlorate	2.2 ug/L	PC-123 PC-127 PC-128 PC-129 PC-130 PC-131 PC-132 PC-124 PC-125 PC-126 M-23 M-65 M-66 M-70 M-71 M-72 M-79 M-37 M-25 DUP-6
440-143705-1	MEB-1	04/06/16	Perchlorate	1.4 ug/L	PC-86 PC-68 PC-62 PC-60 PC-59 PC-56 PC-58 PC-91 PC-90 PC-97 M-83
440-147272-1	EB5	05/11/16	Total dissolved solids	120 mg/L	PC-66 PC-67 PC-31 PC-28 PC-73 M-44 PC-72 PC-40 MC-65 PC-65 PC-71 H58A PC-37 H48 PC-64

SDG	Blank ID	Collection Date	Analyte	Concentration	Associated Samples
440-148358-1	EB9	05/24/16	Perchlorate	1.7 ug/L	M-57A M-131 M-115 M-76 M-2A M-35 DUP9 M-19 I-AD M-68 I-AC I-K M-74 I-J I-Z I-I M-67 M-73 I-V M-83 M-80 M-81A M-70 M-71 M-72
440-148563-1	EB13	05/26/16	Perchlorate	0.52 ug/L	M-125 M-12A DUP12 M-13 DUP-11B M-11 M-31A M-145

Samples FB (from SDGs 440-148224-1 and 440-148233-1/16-3730), FB-2 (from SDG 440-148358-1), and FB2 (from SDG 440-150399-1/16-3762) were identified as field blanks. No contaminants were found.

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

SDG	Sample	Analyte	Reported Concentration	Modified Final Concentration
440-143705-1	PC-68	Perchlorate	1.3 ug/L	1.3J ug/L

The following field blanks were collected for the 2016 Q1 Supplemental sampling event:

Samples M-190-20160211-EB and PC-153-20160211-EB (both from SDG 440-138107-1) were identified as equipment blanks. No contaminants were found.

Samples M-148A-20160210-FB (from SDG 440-137977-1) and PC-153-20160211-FB (from SDG 440-138107-1) were identified as field blanks. No contaminants were found.

The following field blanks were collected for the 2016 Q2 Supplemental sampling event:

Samples M-190-20160615-EB and PC-137D-20160615-EB (both from SDG 440-150269-1) were identified as equipment blanks. No contaminants were found.

Samples PC-156B-FB-20160614 (from SDG 440-150118-1) and M-145-20160615-FB (from SDG 440-150269-1) were identified as field blanks. No contaminants were found.

The following field blanks were collected for the SWF sampling event:

Sample PC-91-20160211-EB (from SDG 440-138107-1) was identified as an equipment blank. No contaminants were found.

Samples PC-133-20160212-FB (from SDG 440-138111-1) and BP-08-20160218-FB (from SDG 440-138705-1) were identified as field blanks. No contaminants were found.

VI. Surrogates

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

VII. Matrix Spike/Matrix Spike Duplicates

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

SDG (Sampling Event)	Spike ID (Associated Samples)	Analyte	MS (%R) (Limits)	MSD (%R) (Limits)	Flag	A or P
440-133295-1 (ARP)	PC-120MS/MSD (PC-120)	Perchlorate	129 (80-120)	137 (80-120)	J+ (all detects)	A
440-146865-1 (ARP)	PC-127MS/MSD (PC-127)	Nitrate as N	146 (80-120)	142 (80-120)	J+ (all detects)	A
440-148604-1 (ARP)	PC-86MS/MSD (PC-91 PC-90 PC-86)	Nitrate as N	-	77 (80-120)	J- (all detects)	A
440-149431-1 (ARP)	M-10DLMS/MSD (M-10DL)	Nitrate as N Nitrite as N	182 (80-120) 161 (80-120)	177 (80-120) 159 (80-120)	NA	-
440-149641-1 (ARP)	PC-68MS/MSD (PC-68)	Perchlorate	134 (80-120)	123 (80-120)	J+ (all detects)	A
440-148014-1 (ARP)	HMW-13MS/MSD (HMW-13)	Perchlorate	148 (80-120)	149 (80-120)	J+ (all detects)	A

SDG (Sampling Event)	Spike ID (Associated Samples)	Analyte	MS (%R) (Limits)	MSD (%R) (Limits)	Flag	A or P
440-146159-1/ 16-3145 (ARP)	PC-99R2/R3MS/MSD (PC-99R2/R3)	Hexavalent chromium	89 (90-110)	-	UJ (all non-detects)	A
440-146403-1/ 16-3202 (ARP)	I-EMS/MSD (I-E)	Hexavalent chromium	70 (90-110)	-	J- (all detects)	A
440-148620-1/ 16-3844 (ARP)	M-11MS/MSD (M-11)	Hexavalent chromium	85 (90-110)	86 (90-110)	J- (all detects)	A
440-148792-1 (ARP)	M-7BMS/MSD (M-7B)	Total organic halogen	-	76 (78-114)	J- (all detects)	A
440-150402-1 (IX)	PC-121MS/MSD (PC-118** PC-119 PC-120 PC-121)	Nitrate as N Orthophosphate as PO_4	79 (80-120) 62 (80-120)	78 (80-120) 61 (80-120)	J- (all detects) UJ (all non-detects) J- (all detects) UJ (all non-detects)	A
440-138705-1 (SWF)	BP-05-20160218 MS/MSD (BP-05-20160218 BP-09-20160218)	Total phosphorus	4 (75-125)	5 (75-125)	J- (all detects)	A
440-138780-1 (SWF)	LVW-03-20160219-FD MS/MSD (LVW-01-20160219 LVW-02-20160219 LVW-03-20160219 LVW-03-20160219-FD)	Nitrate as NO_3	78 (80-120)	74 (80-120)	J- (all detects)	A

For PC-133MS/MSD and PC-121MS/MSD, no data were qualified for Chloride and Sulfate percent recoveries (%R) outside the QC limits since the parent sample results were greater than 4X the spike concentration (from IX sampling event).

For PC-160-20160210MS/MSD (from SDG 440-138009-1), no data were qualified for Chlorate and Perchlorate percent recoveries (%R) outside the QC limits since the parent sample results were greater than 4X the spike concentration (from Q1S sampling event).

For M-189-20160616MS/MSD, no data were qualified for Chlorate percent recoveries (%R) outside the QC limits since the parent sample results were greater than 4X the spike concentration (from Q2S sampling event).

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

SDG (Sampling Event)	Spike ID (Associated Samples)	Analyte	RPD (Limits)	Flag	A or P
440-146403-1/ 16-3202 (ARP)	I-EMS/MSD (I-E)	Hexavalent chromium	22 (≤20)	J (all detects)	A
440-148792-1 (ARP)	M-7BMS/MSD (M-7B)	Total organic halogen	26 (≤23)	J (all detects)	A
440-150402-1 (IX)	PC-133MS/MSD (PC-133)	Orthophosphate as PO_4	25 (≤20)	J (all detects)	A

VIII. Duplicate Sample Analysis

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

IX. Laboratory Control Samples

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

X. Field Duplicates

The following field duplicates were collected for the Performance Report sampling event:

Samples DUP-2 and PC-62 (both from SDG 440-137840-1), samples PC-98R and DUP3 (both from SDG 440-138106-1), samples DUP 4 and M44 (both from SDG 440-138178-1), samples DUP 5 and M48A (both from SDG 440-138178-1), samples M-48A and DUP 3 (both from SDG 440-138189-1), samples M-44 and DUP 4 (both from SDG 440-138189-1), samples M-25 and DUP-6 (both from SDG 440-138372-1), samples M-38 and DUP-7 (both from SDG 440-138520-1), samples M-68 and DUP-8 (both from SDG 440-138640-1), samples M-80 and DUP-9 (both from SDG 440-138789-1), samples I-Q and DUP 1 (both from SDG 440-138808-2/16-0956), samples M-80 and DUP-9 (both from SDG 440-138815-1/16-1199), samples PC-127 and DUP-1 (both from SDG 440-146865-1), samples PC-149 and Dup2 (both from SDG 440-147050-1), samples PC-4 and Dup3 (both from SDG 440-147050-1), samples M-48A and DUP5 (both from SDG 440-147389-1), samples M-37 and DUP8 (both from SDG 440-148224-1), samples M-38 and DUP7 (both from SDG 440-148224-1), samples M-35 and DUP9 (both from SDG 440-148358-1), samples M-123 and DUP11 (both from SDG 440-148473-1), samples M-12A and DUP12 (both from SDG 440-148563-1), samples M-13 and DUP-11B (both from SDG 440-148563-1), samples DUP 1 and I-Q (both from SDG 440-137714-1), samples PC-74 and DUP6 (both from SDG 440-148014-1), samples M-37 and DUP-8 (both from SDG 440-148233-1/16-3730), samples DUP-7 and M-38 (both from SDG 440-148233-1/16-3730), and samples M-12A and DUP-12 (both from SDG 440-148620-1/16-3844) were identified as field duplicates. No results were

detected in any of the samples with the following exceptions:

SDG	Analyte	Concentration		RPD (Limits)	Difference (Limits)	Flag	A or P
		DUP-2	PC-62				
440-137840-1	pH	7.41 SU	7.49 SU	1 (≤30)	-	-	-
	Total dissolved solids	1700 mg/L	1700 mg/L	0 (≤30)	-	-	-
	Perchlorate	270 ug/L	270 ug/L	0 (≤30)	-	-	-

SDG	Analyte	Concentration		RPD (Limits)	Difference (Limits)	Flag	A or P
		PC-98R	DUP3				
440-138106-1	Perchlorate	21000 ug/L	21000 ug/L	0 (≤30)	-	-	-
	Total dissolved solids	6000 mg/L	6200 mg/L	3 (≤30)	-	-	-
	pH	7.15 SU	7.02 SU	2 (≤30)	-	-	-

SDG	Analyte	Concentration (ug/L)		RPD (Limits)	Difference (Limits)	Flag	A or P
		DUP 4	M44				
440-138178-1	Hexavalent chromium	870	880	1 (≤30)	-	-	-

SDG	Analyte	Concentration (ug/L)		RPD (Limits)	Difference (Limits)	Flag	A or P
		DUP 5	M48A				
440-138178-1	Hexavalent chromium	2100	2100	0 (≤30)	-	-	-

SDG	Analyte	Concentration		RPD (Limits)	Difference (Limits)	Flag	A or P
		M-48A	DUP 3				
440-138189-1	Perchlorate	200000 ug/L	220000 ug/L	10 (≤30)	-	-	-
	Total dissolved solids	5000 mg/L	4900 mg/L	2 (≤30)	-	-	-
	pH	7.36 SU	7.35 SU	0 (≤30)	-	-	-

SDG	Analyte	Concentration		RPD (Limits)	Difference (Limits)	Flag	A or P
		M-44	DUP 4				
440-138189-1	Perchlorate	700000 ug/L	790000 ug/L	12 (≤30)	-	-	-
	Total dissolved solids	8300 mg/L	8200 mg/L	1 (≤30)	-	-	-
	pH	7.41 SU	7.36 SU	1 (≤30)	-	-	-

SDG	Analyte	Concentration		RPD (Limits)	Difference (Limits)	Flag	A or P
		M-25	DUP-6				
440-138372-1	Perchlorate	350000 ug/L	360000 ug/L	3 (≤30)	-	-	-
	Total dissolved solids	6900 mg/L	7000 mg/L	1 (≤30)	-	-	-
	pH	7.41 SU	7.39 SU	0 (≤30)	-	-	-

SDG	Analyte	Concentration		RPD (Limits)	Difference (Limits)	Flag	A or P
		M-38	DUP-7				
440-138520-1	Perchlorate	670000 ug/L	640000 ug/L	5 (≤30)	-	-	-
	Total dissolved solids	10000 mg/L	10000 mg/L	0 (≤30)	-	-	-
	pH	7.13 SU	7.22 SU	1 (≤30)	-	-	-

SDG	Analyte	Concentration		RPD (Limits)	Difference (Limits)	Flag	A or P
		M-68	DUP-8				
440-138640-1	Perchlorate	190000 ug/L	200000 ug/L	5 (≤30)	-	-	-
	Total dissolved solids	6100 mg/L	6200 mg/L	2 (≤30)	-	-	-
	pH	7.29 SU	7.26 SU	0 (≤30)	-	-	-

SDG	Analyte	Concentration		RPD (Limits)	Difference (Limits)	Flag	A or P
		M-80	DUP-9				
440-138789-1	Perchlorate	420000 ug/L	420000 ug/L	0 (≤30)	-	-	-
	Total dissolved solids	4200 mg/L	4300 mg/L	2 (≤30)	-	-	-

SDG	Analyte	Concentration		RPD (Limits)	Difference (Limits)	Flag	A or P
		M-80	DUP-9				
440-138789-1	pH	7.49 SU	7.43 SU	1 (≤30)	-	-	-

SDG	Analyte	Concentration (ug/L)		RPD (Limits)	Difference (Limits)	Flag	A or P
		I-Q	DUP 1				
440-138808-2/ 16-0956	Hexavalent chromium	20.9	8.9	81 (≤30)	-	J (all detects)	A

SDG	Analyte	Concentration (ug/L)		RPD (Limits)	Difference (Limits)	Flag	A or P
		M-80	DUP-9				
440-138815-1/ 16-1199	Hexavalent chromium	1.8	1.6	-	0.2 (≤1.0)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Difference (Limits)	Flag	A or P
		PC-127	DUP-1				
440-146865-1	pH	7.39 SU	7.39 SU	0 (≤30)	-	-	-
	Total dissolved solids	6700 mg/L	6800 mg/L	1 (≤30)	-	-	-
	Nitrate as N	19 mg/L	23 mg/L	19 (≤30)	-	-	-
	Perchlorate	240000 ug/L	240000 ug/L	0 (≤30)	-	-	-

SDG	Analyte	Concentration		RPD (Limits)	Difference (Limits)	Flag	A or P
		PC-149	Dup2				
440-147050-1	pH	7.31 SU	7.31 SU	0 (≤30)	-	-	-
	Total dissolved solids	5100 mg/L	4600 mg/L	10 (≤30)	-	-	-
	Nitrate as N	7.9 mg/L	8.1 mg/L	2 (≤30)	-	-	-
	Perchlorate	21000 ug/L	19000 ug/L	10 (≤30)	-	-	-

SDG	Analyte	Concentration		RPD (Limits)	Difference (Limits)	Flag	A or P
		PC-4	Dup3				
440-147050-1	pH	7.40 SU	7.40 SU	0 (≤30)	-	-	-
	Total dissolved solids	7100 mg/L	7000 mg/L	1 (≤30)	-	-	-
	Nitrate as N	21 mg/L	21 mg/L	0 (≤30)	-	-	-
	Chlorate	94000 ug/L	89000 ug/L	5 (≤30)	-	-	-
	Perchlorate	6900 ug/L	7300 ug/L	6 (≤30)	-	-	-

SDG	Analyte	Concentration		RPD (Limits)	Difference (Limits)	Flag	A or P
		M-48A	DUP5				
440-147389-1	pH	7.48 SU	7.48 SU	0 (≤30)	-	-	-
	Nitrate as N	26 mg/L	25 mg/L	4 (≤30)	-	-	-
	Chlorate	650000 ug/L	670000 ug/L	3 (≤30)	-	-	-
	Perchlorate	200000 ug/L	200000 ug/L	0 (≤30)	-	-	-

SDG	Analyte	Concentration		RPD (Limits)	Difference (Limits)	Flag	A or P
		M-37	DUP8				
440-148224-1	pH	6.88 SU	6.88 SU	0 (≤30)	-	-	-
	Total dissolved solids	4700 mg/L	4800 mg/L	2 (≤30)			
	Nitrate as N	150 mg/L	150 mg/L	0 (≤30)	-	-	-
	Chlorate	9600 ug/L	9500 ug/L	1 (≤30)	-	-	-
	Perchlorate	710000 ug/L	730000 ug/L	3 (≤30)	-	-	-

SDG	Analyte	Concentration		RPD (Limits)	Difference (Limits)	Flag	A or P
		M-38	DUP7				
440-148224-1	pH	7.48 SU	7.48 SU	0 (≤30)	-	-	-
	Total dissolved solids	5000 mg/L	4900 mg/L	2 (≤30)	-	-	-

SDG	Analyte	Concentration		RPD (Limits)	Difference (Limits)	Flag	A or P
		M-38	DUP7				
440-148224-1	Perchlorate	490000 ug/L	300000 ug/L	48 (≤30)	-	J (all detects)	A

SDG	Analyte	Concentration (mg/L)		RPD (Limits)	Difference (Limits)	Flag	A or P
		M-37	DUP-8				
440-148233-1/ 16-3730	Hexavalent chromium	0.011	0.011	0 (≤30)	-	-	-

SDG	Analyte	Concentration (mg/L)		RPD (Limits)	Difference (Limits)	Flag	A or P
		DUP-7	M-38				
440-148233-1/ 16-3730	Hexavalent chromium	4.13	4.70	13 (≤30)	-	-	-

SDG	Analyte	Concentration		RPD (Limits)	Difference (Limits)	Flag	A or P
		M-35	DUP9				
440-148358-1	pH	7.24 SU	7.24 SU	0 (≤30)	-	-	-
	Total dissolved solids	6000 mg/L	6000 mg/L	0 (≤30)	-	-	-
	Perchlorate	240000 ug/L	230000 ug/L	4 (≤30)	-	-	-

SDG	Analyte	Concentration		RPD (Limits)	Difference (Limits)	Flag	A or P
		M-123	DUP11				
440-148473-1	pH	7.48 SU	7.48 SU	0 (≤30)	-	-	-
	Total dissolved solids	12000 mg/L	12000 mg/L	0 (≤30)	-	-	-
	Perchlorate	1800 ug/L	460 ug/L	-	1340 (≤100)	J (all detects)	A

SDG	Analyte	Concentration		RPD (Limits)	Difference (Limits)	Flag	A or P
		M-12A	DUP12				
440-148563-1	pH	7.99 SU	7.99 SU	0 (≤30)	-	-	-
	Total dissolved solids	5900 mg/L	6200 mg/L	5 (≤30)	-	-	-

SDG	Analyte	Concentration		RPD (Limits)	Difference (Limits)	Flag	A or P
		M-12A	DUP12				
440-148563-1	Nitrate as N	7.7 mg/L	8.0 mg/L	4 (≤30)	-	-	-
	Chlorate	1500000 ug/L	1600000 ug/L	6 (≤30)	-	-	-
	Perchlorate	160000 ug/L	150000 ug/L	6 (≤30)	-	-	-

SDG	Analyte	Concentration (mg/L)		RPD (Limits)	Difference (Limits)	Flag	A or P
		M-12A	DUP-12				
440-148620-1/ 16-3844	Hexavalent chromium	2.99	7.12	82 (≤30)	-	J (all detects)	A

SDG	Analyte	Concentration		RPD (Limits)	Difference (Limits)	Flag	A or P
		M-13	DUP-11B				
440-148563-1	pH	6.81 SU	6.81 SU	0 (≤30)	-	-	-
	Total dissolved solids	3600 mg/L	3500 mg/L	3 (≤30)	-	-	-
	Chlorate	150000 ug/L	130000 ug/L	14 (≤30)	-	-	-
	Perchlorate	13000 ug/L	13000 ug/L	0 (≤30)	-	-	-

Sample DUP-11B (from SDG 440-148620-1/16-3844) was analyzed for hexavalent chromium, however, the RPD cannot be evaluated since the parent sample M-13 was not submitted for hexavalent chromium analysis.

SDG	Analyte	Concentration		RPD (Limits)	Difference (Limits)	Flag	A or P
		DUP 1	I-Q				
440-137714-1	Perchlorate	1500000 ug/L	1600000 ug/L	6 (≤30)	-	-	-
	Total dissolved solids	13000 mg/L	13000 mg/L	0 (≤30)	-	-	-

SDG	Analyte	Concentration		RPD (Limits)	Difference (Limits)	Flag	A or P
		PC-74	DUP6				
440-148014-1	Perchlorate	1400 ug/L	1400 ug/L	0 (≤30)	-	-	-

SDG	Analyte	Concentration		RPD (Limits)	Difference (Limits)	Flag	A or P
		PC-74	DUP6				
440-148014-1	Total dissolved solids	4000 mg/L	4100 mg/L	2 (≤30)	-	-	-

The following field duplicates were collected for the 2016 Q1 Supplemental sampling event:

Samples PC-155A-20160209 and PC-155A-20160209-FD (both from SDG 440-137665-1), samples M-186-20160210** and M-186-20160210-FD** (both from SDG 440-137977-1), samples PC-154-20160210 and PC-154-20160210-FD (both from SDG 440-138009-1), and samples PC-151-20160211 and PC-151-20160211-FD (both from SDG 440-138107-1) were identified as field duplicates. No results were detected in any of the samples with the following exceptions:

SDG	Analyte	Concentration (ug/L)		RPD (Limits)	Flag	A or P
		PC-155A-20160209	PC-155A-20160209-FD			
440-137665-1	Total dissolved solids	3300000	3300000	0 (≤30)	-	-
	Chlorate	290	310	7 (≤30)	-	-
	Perchlorate	3100	3000	3 (≤30)	-	-

SDG	Analyte	Concentration (ug/L)		RPD (Limits)	Flag	A or P
		M-186-20160210**	M-186-20160210-FD**			
440-137977-1	Total dissolved solids	6100000	6000000	2 (≤30)	-	-
	Chlorate	1300000	1300000	0 (≤30)	-	-
	Perchlorate	270000	290000	7 (≤30)	-	-

SDG	Analyte	Concentration (ug/L)		RPD (Limits)	Flag	A or P
		PC-154-20160210	PC-154-20160210-FD			
440-138009-1	Total dissolved solids	5400000	5300000	2 (≤30)	-	-
	Chlorate	7400	7800	5 (≤30)	-	-
	Perchlorate	52000	51000	2 (≤30)	-	-

SDG	Analyte	Concentration (ug/L)		RPD (Limits)	Flag	A or P
		PC-151-20160211	PC-151-20160211-FD			
440-138107-1	Total dissolved solids	3800000	3800000	0 (≤30)	-	-
440-138107-1	Chlorate	8800	8700	1 (≤30)	-	-
	Perchlorate	55000	58000	5 (≤30)	-	-

The following field duplicates were collected for the 2016 Q1 Supplemental sampling event:

Samples PC-157A-20160614 and PC-157A-20160614-FD (from SDG 440-150118-1), samples M-186D-20160614 and M-186D-20160614-FD (from SDG 440-150118-1), and samples PC-160-20160616 and PC-160-20160616-FD (from SDG 440-150118-1) were identified as field duplicates. No results were detected in any of the samples with the following exceptions:

SDG	Analyte	Concentration (ug/L)		RPD (Limits)	Flag	A or P
		PC-157A-20160614	PC-157A-20160614-FD			
440-150118-1	Perchlorate	98	97	1 (≤30)	-	-
440-150118-1	Total dissolved solids	2000000	2000000	0 (≤30)	-	-

SDG	Analyte	Concentration (ug/L)		RPD (Limits)	Flag	A or P
		M-186D-20160614	M-186D-20160614-FD			
440-150118-1	Chlorate	2700	2600	4 (≤30)	-	-
440-150118-1	Perchlorate	760	750	1 (≤30)	-	-
440-150118-1	Total dissolved solids	540000	540000	0 (≤30)	-	-

SDG	Analyte	Concentration (ug/L)		RPD (Limits)	Flag	A or P
		PC-160-20160616	PC-160-20160616-FD			
440-150392-1	Chlorate	3700	3600	3 (≤30)	-	-
440-150392-1	Perchlorate	36000	35000	3 (≤30)	-	-
440-150392-1	Total dissolved solids	5000000	5200000	4 (≤30)	-	-

The following field duplicates were collected for the SWF sampling event:

Samples PC-91-20160211 and PC-91-20160211-FD (both from SDG 440-138107-1/16-1029), samples PC-120-20160212 and PC-120-20160212-FD (both from SDG 440-138111-1), samples BP-08A-20160218 and BP-08A-20160218-FD (both from SDG 440-138705-1/16-1188A), and samples LVW-03-20160219 and LVW-03-20160219-FD (both from SDG 440-138780-1/16-1200) were identified as field duplicates. No results were detected in any of the samples with the following exceptions:

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		PC-91-20160211	PC-91-20160211-FD			
440-138107-1	Total dissolved solids	2600000 ug/L	2700000 ug/L	4 (≤30)	-	-
	Alkalinity	230000 ug/L	230000 ug/L	0 (≤30)	-	-
	Dissolved organic carbon	2500 ug/L	2600 ug/L	4 (≤30)	-	-
	Chloride	580000 ug/L	570000 ug/L	2 (≤30)	-	-
	Sulfate	740000 ug/L	750000 ug/L	1 (≤30)	-	-
	Chlorate	2100 ug/L	2100 ug/L	0 (≤30)	-	-
	Perchlorate	2800 ug/L	2600 ug/L	7 (≤30)	-	-
440-138107-1/ 16-1029	Nitrate as NO_3	4.3 mg/L	4.2 mg/L	2 (≤30)	-	-

SDG	Analyte	Concentration (ug/L)		RPD (Limits)	Flag	A or P
		PC-120-20160212	PC-120-20160212-FD			
440-138111-1	Total phosphorus	92	87	6 (≤30)	-	-
	Total dissolved solids	1700000	1700000	0 (≤30)	-	-
	Alkalinity	230000	240000	4 (≤30)	-	-
	Dissolved organic carbon	3000	3000	0 (≤30)	-	-
	Chloride	360000	360000	0 (≤30)	-	-
	Sulfate	470000	440000	7 (≤30)	-	-
	Perchlorate	12	11	9 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		BP-08A-20160218	BP-08A-20160218-FD			
440-138705-1	Chloride	420000 ug/L	420000 ug/L	0 (≤30)	-	-
	Sulfate	560000 ug/L	550000 ug/L	2 (≤30)	-	-
	Total phosphorus	170 ug/L	170 ug/L	0 (≤30)	-	-
	Total dissolved solids	1800000 ug/L	1800000 ug/L	0 (≤30)	-	-
	Alkalinity	75000 ug/L	67000 ug/L	11 (≤30)	-	-
	Dissolved organic carbon	12000 ug/L	12000 ug/L	0 (≤30)	-	-
440-138705-1/ 16-1188A	Nitrate as NO_3	0.58 mg/L	0.58 mg/L	0 (≤30)	-	-
	Nitrate as N	0.13 mg/L	0.13 mg/L	0 (≤30)	-	-

SDG	Analyte	Concentration (ug/L)		RPD (Limits)	Flag	A or P
		LVW-03-20160219	LVW-03-20160219-FD			
440-138780-1	Perchlorate	18 ug/L	19 ug/L	5 (≤30)	-	-
	Nitrate as NO_3	58 mg/L	56 mg/L	4 (≤30)	-	-
	Chloride	260000 ug/L	250000 ug/L	4 (≤30)	-	-
	Sulfate	630000 ug/L	620000 ug/L	2 (≤30)	-	-
	Chlorate	110 ug/L	120 ug/L	9 (≤30)	-	-
	Total phosphorus	73 ug/L	78 ug/L	7 (≤30)	-	-
	Total dissolved solids	1700000 ug/L	1700000 ug/L	0 (≤30)	-	-
	Alkalinity	130000 ug/L	130000 ug/L	0 (≤30)	-	-
	Dissolved organic carbon	6000 ug/L	6100 ug/L	2 (≤30)	-	-
440-138780-1/ 16-1200	Nitrate as N	13.3 mg/L	13.3 mg/L	0 (≤30)		

XI. Sample Result Verification

All sample result verifications were acceptable for samples which underwent Stage 4 validation. Raw data were not reviewed for Stage 2B validation.

XII. Overall Assessment of Data

The analysis was conducted within all specifications of the methods with the exceptions noted in Sections III and IV.

In the case where more than one result was reported for an individual sample, the least technically acceptable results were deemed unusable as follows:

SDG (Sampling Event)	Sample	Compound	Flag	A or P
440-149431-1 (ARP)	M-10DL	Nitrate as N Nitrite as N	DNR DNR	A

Due to holding time, MS/MSD %R and RPD, and field duplicate RPD, data were qualified as estimated in one hundred twelve samples.

Due to laboratory blank contamination, data were qualified as estimated in one sample.

Due to equipment blank contamination, data were qualified as estimated in one sample.

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

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Wet Chemistry - Data Qualification Summary - SDGs 440-133105-1/16-0096, 440-133295-1, 440-134802-1/16-0234, 440-134803-1, 440-135040-1, 440-135059-1/16-0290, 440-135064-1/16-0331, 440-135141-1, 440-137458-1, 440-137490-1/16-0896, 440-137840-1, 440-137840-2/16-0996, 440-138106-1, 440-138113-1, 440-138113-2/16-1046, 440-138178-1, 440-138189-1, 440-138372-1, 440-138520-1, 440-138534-1, 440-138640-1, 440-138687-1/16-1187, 440-138789-1, 440-138808-2/16-0956, 440-138815-1/16-1199, 440-140223-1/16-1577, 440-140340-1, 440-140843-1, 440-140937-1, 440-140943-1, 440-141070-1/16-1735, 440-141083-1, 440-141259-1, 440-141498-1, 440-142938-1/16-1817, 440-143345-1/16-2275, 440-143540-1, 440-143705-1, 143869-1/16-2330, 440-143879-1, 440-143883-1, 440-143920-1, 440-145951-1/16-2469, 440-146023-1, 440-146034-1, 440-146159-1/16-3145, 440-146160-1/16-3144, 440-146190-1, 440-146403-1/16-3202, 440-146405-1, 440-146593-1, 440-146653-1, 440-146865-1, 440-147050-1, 440-147272-1, 440-147389-1, 440-147472-1, 440-147626-1, 440-147632-1, 440-147795-1, 440-148066-1, 440-148068-1, 440-148081-1/16-3515, 440-148084-1/16-3670, 440-148224-1, 440-148228-1/16-3487, 440-148233-1/16-3730, 440-148358-1, 440-148473-1, 440-148563-1, 440-148604-1, 440-148607-1, 440-148620-1/16-3844, 440-148622-1/16-3811, 440-148735-1, 440-148792-1, 440-148839-1, 440-149122-1, 440-149431-1, 440-149540-1, 440-149641-1, 440-149675-1, 440-149682-1/16-4134, 440-149777-1, 440-149783-1, 440-149792-1/16-4200, 440-149917-1, 440-149968-1/16-4261, 440-149969-1, 440-149971-1/16-4260, 440-149985-1, 440-149990-1, 440-150399-1/16-3762, 440-150962-1, 440-135510-1/16-0421, 440-135574-1, 440-135719-1, 440-135719-2/16-0464, 440-137714-1, 440-138377-1/16-1090, 440-143340-1, 440-145949-1/16-2431, 440-147809-1, 440-147940-1, 440-147943-1, 440-148014-1, 440-148030-1, 440-148035-1, 440-150402-1, 440-137665-1, 440-137977-1, 440-138009-1, 440-138107-1/16-1029, 440-149964-1, 440-150118-1, 440-150269-1, 440-150392-1, 440-137570-1, 440-137663-1, 440-138111-1/16-1047, 440-138584-1/16-1152A, 440-138705-1/16-1188A, 440-138780-1/16-1200

SDG (Sampling Event)	Sample	Analyte	Flag	A or P	Reason (Code)
440-138178-1 (ARP)	DUP 4 M-95 M44	Hexavalent chromium	J- (all detects)	P	Technical holding times (h)
440-140843-1 (ARP)	ART-6	Hexavalent chromium	J- (all detects)	P	Technical holding times (h)
440-146865-1 (ARP)	PC-123 PC-128 PC-129 PC-130 PC-50 PC-131 PC-124 PC-125 PC-126 PC-24 PC-127 DUP-1 PC-79	Nitrate as N	J- (all detects)	P	Technical holding times (h)

SDG (Sampling Event)	Sample	Analyte	Flag	A or P	Reason (Code)
440-146865-1 (ARP)	EB4 PC-132 PC-82	Nitrate as N	UJ (all non-detects)	P	Technical holding times (h)
440-147389-1 (ARP)	PC-54 MC-3 M-95	Total dissolved solids	J- (all detects)	A	Technical holding times (h)
440-148224-1 (ARP)	M-37	Nitrate as N	J- (all detects)	P	Technical holding times (h)
440-138461-1 (SNWA)	WMW6.55S-20160217 WMW6.15S-20160217 WMW5.58SI-20160217	pH	J (all detects)	P	Technical holding time (h)
440-138705-1/ 16-1188A (SWF)	BP-09-20160218 BP-06-20160218 BP-07-20160218 BP-08-20160218 BP-08A-20160218 LVW-10-20160218 LVW-09-20160218 LVW-08-20160218	Nitrate as NO_3 Nitrate as N	J- (all detects) UJ (all non-detects) J- (all detects) UJ (all non-detects)	P	Technical holding times (h)
440-138780-1/ 16-1200 (SWF)	LVW-01-20160219 LVW-02-20160219 LVW-03-20160219 LVW-03-20160219-FD LVW-04-20160219 LVW-05-20160219 LVW-06-20160219 LVW-07-20160219	Nitrate as N	J- (all detects)	P	Technical holding times (h)
440-138705-1/ 16-1188A (SWF)	BP-08A-20160218-FD	Nitrate as NO_3 Nitrate as N Alkalinity	J- (all detects)	P	Technical holding times (h)
440-134802-1/ 16-0234 (ARP)	M-83	Hexavalent chromium	J+ (all detects)	P	Calibration (CCV %R) (c)
440-135059-1/ 16-0290 (ARP)	PC-62 PC-86 PC-122 PC-53 MW-K5 ARP-7	Hexavalent chromium	J- (all detects) UJ (all non-detects)	P	Calibration (ICV/CCV %R) (c)
440-135059-1/ 16-0290 (ARP)	ARP-6B ARP-5A ARP-4A MW-K4 PC-101R ARP-3A ARP-2A PC-68	Hexavalent chromium	J- (all detects) UJ (all non-detects)	P	Calibration (ICV %R) (c)

SDG (Sampling Event)	Sample	Analyte	Flag	A or P	Reason (Code)
440-135064-1/ 16-0331 (ARP)	PC-55 ARP-1 PC-98R PC-103	Hexavalent chromium	UJ (all non-detects)	P	Calibration (ICV %R) (c)
440-146403-1/ 16-3202 (ARP)	I-E I-M I-D I-C I-S I-L I-Y I-R I-B I-AA	Hexavalent chromium	J+ (all detects)	P	Calibration (CCV %R) (c)
440-148228-1/ 16-3487 (ARP)	M-95	Hexavalent chromium	J+ (all detects)	P	Calibration (CCV %R) (c)
440-135510-1/ 16-0421 (ARP)	I-M I-D I-C I-S I-L I-B I-AB I-AA I-AR I-O I-W I-P I-H I-U I-T I-G	Hexavalent chromium	J- (all detects) UJ (all non-detects)	P	Calibration (ICV %R) (c)
440-135510-1/ 16-0421 (ARP)	I-Y I-R I-Q I-F I-X I-N I-E I-V I-I I-Z I-J I-K I-AC I-AD	Hexavalent chromium	J+ (all detects)	P	Calibration (ICV/CCV %R) (c)
440-135719-2/ 16-0464 (ARP)	PC-18 ART-6	Hexavalent chromium	J+ (all detects)	P	Calibration (ICV/CCV %R) (c)
440-133295-1 (ARP)	PC-120	Perchlorate	J+ (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)

SDG (Sampling Event)	Sample	Analyte	Flag	A or P	Reason (Code)
440-146865-1 (ARP)	PC-127	Nitrate as N	J+ (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-148604-1 (ARP)	PC-91 PC-90 PC-86	Nitrate as N	J- (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-149641-1 (ARP)	PC-68	Perchlorate	J+ (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-148014-1 (ARP)	HMW-13	Perchlorate	J+ (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-146159-1/ 16-3145 (ARP)	PC-99R2/R3	Hexavalent chromium	UJ (all non-detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-146403-1/ 16-3202 (ARP)	I-E	Hexavalent chromium	J (all detects)	A	Matrix spike/Matrix spike duplicate (%R)(RPD) (m) (ld)
440-148620-1/ 16-3844 (ARP)	M-11	Hexavalent chromium	J- (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-148792-1 (ARP)	M-7B	Total organic halogen	J (all detects)	A	Matrix spike/Matrix spike duplicate (%R)(RPD) (m) (ld)
440-150402-1 (IX)	PC-118** PC-119 PC-120 PC-121	Nitrate as N Orthophosphate as PO_4	J- (all detects) UJ (all non-detects) J- (all detects) UJ (all non-detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-150402-1 (IX)	PC-133	Orthophosphate as PO_4	J (all detects)	A	Matrix spike/Matrix spike duplicate (RPD) (ld)
440-138705-1 (SWF)	BP-05-20160218 BP-09-20160218	Total phosphorus	J- (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-138780-1 (SWF)	LVW-01-20160219 LVW-02-20160219 LVW-03-20160219 LVW-03-20160219-FD	Nitrate as NO_3	J- (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)

SDG (Sampling Event)	Sample	Analyte	Flag	A or P	Reason (Code)
440-138808-2/ 16-0956 (ARP)	I-Q DUP 1	Hexavalent chromium	J (all detects)	A	Field duplicates (RPD) (fd)
440-148224-1 (ARP)	M-38 DUP7	Perchlorate	J (all detects)	A	Field duplicates (RPD) (fd)
440-148473-1 (ARP)	M-123 DUP11	Perchlorate	J (all detects)	A	Field duplicates (RPD) (fd)
440-148620-1/ 16-3844 (ARP)	M-12A DUP-12	Hexavalent chromium	J (all detects)	A	Field duplicates (RPD) (fd)
440-149431-1 (ARP)	M-10DL	Nitrate as N Nitrite as N	DNR DNR	A	Overall assessment of data (o)

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SDG	Sample	Analyte	Modified Final Concentration	A or P	Code
440-146865-1	PC-131	Nitrate as N	4.9J mg/L	A	bl

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Wet Chemistry - Field Blank Data Qualification Summary - SDGs 440-133105-1/16-0096, 440-133295-1, 440-134802-1/16-0234, 440-134803-1, 440-135040-1, 440-135059-1/16-0290, 440-135064-1/16-0331, 440-135141-1, 440-137458-1, 440-137490-1/16-0896, 440-137840-1, 440-137840-2/16-0996, 440-138106-1, 440-138113-1, 440-138113-2/16-1046, 440-138178-1, 440-138189-1, 440-138372-1, 440-138520-1, 440-138534-1, 440-138640-1, 440-138687-1/16-1187, 440-138789-1, 440-138808-2/16-0956, 440-138815-1/16-1199, 440-140223-1/16-1577, 440-140340-1, 440-140843-1, 440-140937-1, 440-140943-1, 440-141070-1/16-1735, 440-141083-1, 440-141259-1, 440-141498-1, 440-142938-1/16-1817, 440-143345-1/16-2275, 440-143540-1, 440-143705-1, 143869-1/16-2330, 440-143879-1, 440-143883-1, 440-143920-1, 440-145951-1/16-2469, 440-146023-1, 440-146034-1, 440-146159-1/16-3145, 440-146160-1/16-3144, 440-146190-1, 440-146403-1/16-3202, 440-146405-1, 440-146593-1, 440-146653-1, 440-146865-1, 440-147050-1, 440-147272-1, 440-147389-1, 440-147472-1, 440-147626-1, 440-147632-1, 440-147795-1, 440-148066-1, 440-148068-1, 440-148081-1/16-3515, 440-148084-1/16-3670, 440-148224-1, 440-148228-1/16-3487, 440-148233-1/16-3730, 440-148358-1, 440-148473-1, 440-148563-1, 440-148604-1, 440-148607-1, 440-148620-1/16-3844, 440-148622-1/16-3811, 440-148735-1, 440-148792-1, 440-148839-1, 440-149122-1, 440-149431-1, 440-149540-1, 440-149641-1, 440-149675-1, 440-149682-1/16-4134, 440-149777-1, 440-149783-1, 440-149792-1/16-4200, 440-149917-1, 440-149968-1/16-4261, 440-149969-1, 440-149971-1/16-4260, 440-149985-1, 440-149990-1, 440-150399-1/16-3762, 440-150962-1, 440-135510-1/16-0421, 440-135574-1, 440-135719-1, 440-135719-2/16-0464, 440-137714-1, 440-138377-1/16-1090, 440-143340-1, 440-145949-1/16-2431, 440-147809-1, 440-147940-1, 440-147943-1, 440-148014-1, 440-148030-1, 440-148035-1, 440-150402-1, 440-137665-1, 440-137977-1, 440-138009-1, 440-138107-1/16-1029, 440-149964-1, 440-150118-1, 440-150269-1, 440-150392-1, 440-137570-1, 440-137663-1, 440-138111-1/16-1047, 440-138584-1/16-1152A, 440-138705-1/16-1188A, 440-138780-1/16-1200

SDG	Sample	Analyte	Modified Final Concentration	A or P	Code
440-143705-1	PC-68	Perchlorate	1.3J ug/L	A	be