Data Validation Summary Report Revision 1
Annual Remedial Performance Sampling January through June 2017 and Artesian Well Sampling August 2017
Nevada Environmental Response Trust (NERT)
Henderson, Nevada

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LIST OF ACRONYMS AND ABBREVIATIONS

CCB	Continuing Calibration Blank
NFG	National Functional Guidelines
DL	Detection Limit
DNR	Do Not Report
DQO	Data Quality Objectives
DUP	Laboratory Duplicate
DVR	Data Validation Report
DVSR	Data Validation Summary Report
EB	Equipment Blank
FD	Field Duplicate
ICB	Initial Calibration Blank
ICV	Initial Calibration Verification
LCS/LCSD	Laboratory Control Sample / Laboratory Control Sample Duplicate
LDC	Laboratory Data Consultants, Inc.
MDL	Method Detection Limit
MS/MSD	Matrix Spike / Matrix Spike Duplicate
NDEP	Nevada Department of Environmental Protection
NERT	Nevada Environmental Response Trust
PARCCS	Precision, Accuracy, Representativeness, Comparability, Completeness, Sensitivity
PQL	Practical Quantitation Limit
QA/QC	Quality Assurance / Quality Control
QAPP	Quality Assurance Project Plan
RRF	Relative Response Factor
RPD	Relative Percent Difference
SDG	Sample Delivery Group
SIM	Selected Ion Monitoring
SQL	Sample Quantitation Limit
TB	Trip Blank
TCP	1,2,3-Trichloropropane
TDS	Total Dissolved Solids
TIN	Total Inorganic Nitrogen
TOC	Total Organic Carbon
TOX	Total Organic Halides
USEPA	United States Environmental Protection Agency
VOC	Volatile Organic Compound
ug/L	Micrograms per Liter
mg/L	Milligrams per Liter
%RSD	Percent Relative Standard Deviation
%D	Percent Difference
%R	Percent Recovery

1.0 INTRODUCTION

This data validation summary report (DVSR) has been prepared by Laboratory Data Consultants, Inc. (LDC) to assess the validity and usability of laboratory analytical data from Annual Remedial Performance Sampling, January through June 2017 and Artesian Well Sampling, August 2017, 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, Revision 1, Nevada Environmental Response Trust Site, Henderson, Nevada* dated July 2014 and included the collection and analyses of 712 environmental and quality control (QC) samples. 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 Selected Ion Monitoring (SIM) mode
Metals by EPA Method 200.7

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

Laboratory analytical services were provided by TestAmerica, Inc. for all parameters and Assett Laboratories performed additional hexavalent chromium analyses. Field pH readings were recorded on the chain-of-custody at the time of sampling and reported with the analytical data. The samples were grouped into sample delivery groups (SDGs). The water samples are associated with quality assurance and quality control (QA/QC) samples designed to document the data quality of the entire SDG or a sub-group of samples within an SDG. Table I is a cross-reference table listing each sample, analysis, SDG, collection date, laboratory sample number, matrix, and validation level. Table II is a reference table that identifies the QC elements reviewed for each validation level per method, as applicable.

The laboratory analytical data were validated in accordance with procedures described in the Nevada Division of Environmental Protection (NDEP) *Data Verification and Validation Requirements - Supplement* established for the BMI Plant Sites and Common Areas Projects, Henderson, Nevada, April 13, 2009. Consistent with the NDEP requirements, one hundred percent of the analytical data were validated according to Stage 2A data validation procedures. Stage 2B and Stage 4 data validation were completed for metals and wet chemistry before NDEP approved the reduction to Stage 2A data validation procedures for all water samples. The number of samples and percentage of samples validated to Stage 2A, Stage 2B, and Stage 4 for each method is presented in Table III.

The analytical data were evaluated for QA/QC based on the following documents: *Quality Assurance Project Plan, Revision 1, NERT Site, Henderson, Nevada*, July 2014; Nevada Department of Environmental Protection (NDEP) *Revised Guidance on Qualifying Data due to Blank Contamination for*

the BMI Complex and Common Areas, January 5 2012; a modified outline of the *USEPA National Functional Guidelines* (NFGs) *for Organic Superfund Methods Data Review* (January 2017), and *Inorganic Superfund Data Review* (January 2017), and the *EPA SW 846 Third Edition, Test Methods for Evaluating Solid Waste*, update I, July 1992; update IIA, August 1993; update II, September 1994; update IIB, January 1995; update III, December 1996; update IV, February 2007; update V, July 2014.

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

The PARCCS summary report evaluates and summarizes the results of QA/QC data validation for the entire sampling program. Each analytical fraction has a separate section for each of the PARCCS criteria. These sections interpret specific QC deviations and their effects on both individual data points and the analyses as a whole. Section 6.0 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 (TBs), equipment blanks (EBs), field blanks (FBs), field duplicates (FDs), calibration blanks, laboratory blanks, laboratory control samples/laboratory control sample duplicates (LCS/LCSDs), matrix spike/matrix spike duplicates (MS/MSDs), and laboratory duplicates (DUPs).

Before conducting the PARCCS evaluation, the analytical data were validated according to the QAPP (July 2014), NFGs (USEPA 2017), and EPA SW 846 Test Methods. Samples not meeting the acceptance criteria were qualified with a flag, an abbreviation indicating a deficiency with the data. The following are flags used in data validation.

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

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

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

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

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

UJ Estimated/Nondetected Analyses were performed for the analyte, but it was not detected and the sample quantitation or detection limit is an estimated quantity due to poor accuracy or precision.

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

A Indicates the finding is based upon technical validation criteria.

P Indicates the finding is related to a protocol/contractual deviation.

The hierarchy of flags is listed below:

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

Table IV lists the reason codes used. Reason codes explain why flags have been applied and identify possible limitations of data use. Reason codes are cumulative except when one of the flags is R then only the reason code associated to the R flag will be used.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Representativeness is a qualitative parameter that expresses the degree to which the sample data are characteristic of a population. It is evaluated by reviewing the QC results of blanks, samples and holding

times. Positive detects of compounds in the blank samples identify compounds that may have been introduced into the samples during sample collection, transport, preparation, or analysis. The QA/QC blanks collected and analyzed are laboratory blanks, calibration blanks, TBs, EBs and FBs.

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

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

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. 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, volatilization, and chemical degradation.

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

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

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

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

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

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

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

2.0 VOLATILE ORGANIC COMPOUNDS

A total of 278 water samples were analyzed for VOCs by EPA SW-846 Method 8260B and 1,2,3-trichloropropane and 1,4-dioxane by EPA SW-846 Method 8260B SIM. All VOC data were assessed to be valid with the exception of one of the 17,514 total results, which was rejected based on MS/MSD %R. This section discusses the QA/QC supporting documentation as defined by the PARCCS criteria and evaluated based on the DQOs.

2.1 Precision and Accuracy

2.1.1 Surrogates

Two results for sample MC-3-20170509 were qualified as detected estimated (J-) or non-detected estimated (UJ) due to surrogate %Rs below the laboratory acceptance criteria. Additionally, three results for samples M-125-20170509, and M-126-20170510 were qualified as detected estimated (J+) due to surrogate %Rs above the laboratory acceptance criteria. The affected analytes were 1,2,3-trichloropropane and 1,4-dioxane from the SIM analyses. The details regarding the qualification of results are provided in Attachment B.

2.1.2 MS/MSD Samples

As a result of severely low MS/MSD %Rs (i.e. 0%), the styrene result for PC-130-20170505 was qualified as rejected (R). Additionally, the 1,2,3-trichloropropane result, from the SIM analysis of sample MC-3-20170509 was qualified as detected estimated (J-) due to MS/MSD %Rs below the laboratory acceptance criteria. The details regarding the qualification of results are provided in Attachments A and B.

All MS/MSD RPDs met the laboratory acceptance criteria.

2.1.3 LCS/LCSD Samples

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

2.1.4 Internal Standards

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

2.1.5 FD Samples

The field duplicate samples were evaluated for acceptable precision with RPDs for the compounds. The chloroform results in field duplicate samples M-135-20170510 and M-135-20170510-FD10 and carbon tetrachloride results in field duplicate samples HM-2-20170612 and HM-2-20170612-FD5 were qualified as detected estimated (J) due to RPDs above the QAPP acceptance criteria. The details regarding the qualification of results are provided in Attachment A.

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.

As a result of headspace in the sample containers, 307 results from the VOC analysis of samples M-125-20170509, MC-51-20170509, MC-3-20170509-TB15, M-73-20170510-TB17 and M-182-20170627-TB31 and SIM analysis of sample M-182-20170627-TB31 were qualified as detected estimated (J-) or non-detected estimated (UJ). The details regarding the qualification of results are provided in Attachments A and B.

2.2.2 Blanks

Laboratory 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 or Above the Practical Quantitation Limit (PQL) If a sample result for the blank contaminant was less than or greater than the PQL and less than or equal to 2 times the blank value, the sample result was qualified as detected estimated (J) at the reported concentration.
>
> No Action 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 Laboratory blanks

As a result of laboratory blank contamination, the methylene chloride results in samples H-58A-20170508 and MC-65-20170508 were qualified as detected estimated (J). The details regarding the qualification of results are provided in Attachment A.

2.2.2.2 TBs

As a result of trip blank contamination, 10 chloroform and methylene chloride results were qualified as detected estimated (J). The details regarding the qualification of results are provided in Attachment A.

2.2.2.3 EBs and FBs

As a result of equipment blank contamination, the methylene chloride for sample M-148A-20170512 was qualified as detected estimated (J). The details regarding the qualification of results are provided in Attachment A.

2.3 Comparability

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

2.4 Completeness

The completeness level attained for VOC field samples was 99.99 percent. This percentage was calculated as the total number of accepted sample results divided by the total number of sample results multiplied by 100.

2.5 Sensitivity

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

3.0 METALS

A total of six water samples were analyzed for metals by EPA Method 200.7 and 555 water samples were analyzed for chromium by EPA Method 200.7. All metal data were assessed to be valid since none of the 587 total results were rejected based on holding time or QC exceedances. This section discusses the QA/QC supporting documentation as defined by the PARCCS criteria and evaluated based on the DQOs.

3.1 Precision and Accuracy

3.1.1 Instrument Calibration

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

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

3.1.2 MS/MSD Samples

Thirteen chromium results were qualified as detected estimated (J+) due to MS/MSD %Rs above 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.

3.1.3 LCS Samples

All LCS %Rs met the laboratory acceptance criteria.

3.1.4 ICP Interference Check Sample

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

3.1.5 ICP Serial Dilution

All serial dilution %Ds met the method acceptance criteria.

3.1.6 Internal Standards

All internal standard %Rs met the method acceptance criteria.

3.1.7 FD Samples

All field duplicate RPDs met the QAPP acceptance criteria.

3.1.8 Sample Result Verification

Raw data were evaluated for chromium in 10 samples. All reported sample results were greater than the SQL and were correctly calculated 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 180-day analysis holding time criteria.

3.2.2 Blanks

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

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

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

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

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

3.2.2.1 Laboratory and Calibration Blanks

As a result of laboratory blank contamination, the chromium results in samples M-10-20170208 and I-G-022717 EB were qualified as detected estimated (J). The details regarding the qualification of results are provided in Attachment C.

3.2.2.2 EBs and FBs

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

3.3 Comparability

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

3.4 Completeness

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

3.5 Sensitivity

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

4.0 WET CHEMISTRY

A total of 344 water samples were analyzed for hexavalent chromium by EPA Method 218.6; 571 samples were analyzed for nitrate as nitrogen, 16 samples were analyzed for chloride and 14 samples were analyzed for sulfate by EPA Method 300.0; two samples were analyzed for nitrite as nitrogen by EPA Method 300.0 and two samples were calculated for nitrate/nitrite as nitrogen and TIN; 602 water samples were analyzed for chlorate by EPA Method 300.1B; 612 water samples were analyzed for perchlorate by EPA Method 314.0; two water samples were analyzed for ammonia as nitrogen by EPA Method 350.1; four water samples were analyzed for total recoverable phenolics by EPA Method 420.4, specific conductance by Standard Method 2510B, TOC by Standard Method 5310C and TOX by EPA SW 846 Method 9020B; 612 water samples were analyzed for TDS by Standard Method 2540C and 324 water samples for pH. All wet chemistry data were assessed to be valid with the exception of one of the 3,119 total results, which was rejected based on holding time exceedances. This section discusses the QA/QC supporting documentation as defined by the PARCCS criteria and evaluated based on the DQOs.

4.1 Precision and Accuracy

4.1.1 Instrument Calibration

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

4.1.2 Surrogate

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

4.1.3 MS/MSD Samples

Thirty-four chlorate, nitrate as nitrogen and perchlorate results were qualified as detected estimated (J-) or non-detected estimated (UJ) due to MS/MSD %Rs below the laboratory acceptance criteria. Additionally, four total recoverable phenolics results were qualified as detected estimated (J) or non-detected estimated (UJ) due to low MS/MSD %Rs and MS/MSD RPDs exceeding the laboratory acceptance criteria. Bias is indeterminate for the four total recoverable phenolics due to MS/MSD RPD exceedances.

Sixteen nitrate as nitrogen results were qualified as detected estimated (J+) due to MS/MSD %Rs above the laboratory acceptance criteria. Additionally, eight nitrate as nitrogen results were qualified as detected estimated (J) due to high MS/MSD %Rs and MS/MSD RPDs exceeding the laboratory acceptance criteria. Bias is indeterminate for the 16 nitrate as nitrogen results due to MS/MSD RPD exceedances.

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

4.1.4 LCS Samples

All LCS %Rs met the laboratory acceptance criteria.

4.1.5 FD Samples

The perchlorate results in field duplicate samples LVW 6.6-1-20170628 and LVW 6.6-1-20170628-FD were qualified as detected estimated (J) due to RPDs above the QAPP acceptance criteria. The details regarding the qualification of results are provided in Attachment D.

4.1.6 DUP Samples

All DUP RPDs met the QAPP acceptance criteria.

4.1.7 Sample Result Verification

Raw data were evaluated for 10 water samples for chlorate, hexavalent chromium, nitrate as nitrogen, perchlorate, and TDS. pH results were field measurements and were not validated. All reported sample results were greater than the SQL and were correctly calculated for these Stage 4 samples.

In instances where data were diluted by the laboratory, data were qualified as not reportable (DNR) by the validators in order to yield only one complete set of data for a given sample and were not reported in the EDD. For sample PC-121 011617, the nitrate as nitrogen result from the 2X dilution was considered more useable than the result from the 100X dilution.

4.2 Representativeness

4.2.1 Sample Preservation and Holding Times

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

As a result of grossly exceeded analysis holding time, the hexavalent chromium result in sample M-10-20170208-EB4 was qualified as rejected (R). The analysis holding time criteria is 24 hours. The details regarding the qualification of results are presented in Attachment D.

4.2.2 Blanks

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

4.2.2.1 Laboratory and Calibration Blanks

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

4.2.2.2 EBs and FBs

As a result of field blank contamination, the hexavalent chromium result for sample ART-8A-20170413 was qualified as detected estimated (J+). No data were qualified due to contaminants detected in the field blanks. The details regarding the qualification of results are provided in Attachment D.

4.3 Comparability

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

4.4 Completeness

The completeness level attained for wet chemistry field samples was 99.97 percent. This percentage was calculated as the total number of accepted sample results divided by the total number of sample results multiplied by 100.

4.5 Sensitivity

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

5.0 VARIANCES IN ANALYTICAL PERFORMANCE

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

6.0 SUMMARY OF PARCCS CRITERIA

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

6.1 Precision and Accuracy

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

All calibrations were performed as required and met the acceptance criteria. All surrogate, MS/MSD, DUP, LCS/LCSD, internal standard, serial dilution, and field duplicate percent recoveries, RPDs, and areas met acceptance criteria with the exceptions noted in Sections 2.1.1, 2.1.2, 2.1.5, 3.1.2, 4.1.3, and 4.1.7. All ICP interference check sample %Rs met acceptance criteria.

6.2 Representativeness

All samples for each method and matrix were evaluated for holding time compliance. All holding times were met with the exceptions noted in Sections 4.2.1. All samples were associated with a laboratory blank in each individual SDG. The representativeness of the project data is considered acceptable after integration of result qualification in Sections 4.2.1, 2.2.2.1, 2.2.2.2, 2.2.2.3, 3.2.2.1, and 4.2.2.2.

6.3 Comparability

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

6.4 Completeness

Of the 20,896 total analytes reported, two sample results were rejected. The completeness for the SDGs is as follows:

Parameter	Total Analytes	No. of Rejects	% Completeness
VOCs	17,514	1	99.99
Metals	587	0	100
Wet Chemistry	2,795	1	99.96
Total	**20,896**	**2**	**99.99**

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

6.5 Sensitivity

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

7.0 CONCLUSIONS AND RECOMMENDATIONS

The analytical data quality assessment for the soil and water sample laboratory analytical results generated during the Annual Remedial Performance Sampling, January through June 2017 and Artesian Well Sampling, August 2017 at the NERT site in Henderson, Nevada established that the overall project requirements and completeness levels were met. The sample results that were found to be rejected (R) are unusable for all purposes. Sample results that were found to be estimated (J) are usable for limited purposes only. Based upon the Stage 2A, Stage 2B, and Stage 4 data validation all other results are considered valid and usable for all purposes.

8.0 REFERENCES

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

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

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

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

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

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

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

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

TABLES

Table I. Sample Cross-Reference

LDC	SDG	Client Sample ID	Lab Sample ID	Matrix	Sample Date	QC Type	Validation Level	VOC (8260B & 8260B-SIM)	Metals (200.7)	Cr (200.7)	Cr (VI) (218.6)	Anions (300.0)	NO_3/NO_2-N & TIN (Calc)	Chlorate (300.1B)	Perchlorate (314.0)	Ammonia-N (350.1)	Total Rec. Phenolics (420.4)	Spec. Cond. (2510B)	TDS (2540C)	TOC (5310C) & TOX (9020B)	Field pH
38181A	440-173604-1	PC-99R2/R3 011617	440-173604-1	Water	1/16/2017		Stage 2B			X		X		X	X				X		X
38181A	440-173604-1	PC-115R 011617	440-173604-2	Water	1/16/2017		Stage 2B			X		X		X	X				X		X
38181A	440-173604-1	PC-116R 011617	440-173604-3	Water	1/16/2017		Stage 2B			X		X		X	X				X		X
38181A	440-173604-1	PC-117 011617	440-173604-4	Water	1/16/2017	FD1	Stage 2B			X		X		X	X				X		X
38181A	440-173604-1	PC-118 011617	440-173604-5	Water	1/16/2017		Stage 2B			X		X		X	X				X		X
38181A	440-173604-1	PC-119 011617	440-173604-6	Water	1/16/2017		Stage 2B			X		X		X	X				X		X
38181A	440-173604-1	PC-120 011617	440-173604-7	Water	1/16/2017		Stage 2B			X		X		X	X				X		X
38181A	440-173604-1	PC-121 011617	440-173604-8	Water	1/16/2017		Stage 2B			X		X		X	X				X		X
38181A	440-173604-1	PC-133 011617	440-173604-9	Water	1/16/2017		Stage 2B			X		X		X	X				X		X
38181A	440-173604-1	PC-115R 011617 EB	440-173604-10	Water	1/16/2017	EB	Stage 2B			X		X		X	X				X		X
38181A	440-173604-1	PC-117 011617 FD	440-173604-11	Water	1/16/2017	FD1	Stage 2B			X		X		X	X				X		X
38181A	440-173604-1	ART-1A 011617	440-173604-12	Water	1/16/2017		Stage 2B			X		X		X	X				X		X
38181A	440-173604-1	ART-2A 011617	440-173604-13	Water	1/16/2017		Stage 2B			X		X		X	X				X		X
38181A	440-173604-1	ART-3A 011617	440-173604-14	Water	1/16/2017		Stage 2B			X		X		X	X				X		X
38181A	440-173604-1	ART-4 011617	440-173604-15	Water	1/16/2017		Stage 2B			X		X		X	X				X		X
38181A	440-173604-1	ART-6 011617	440-173604-16	Water	1/16/2017	FD2	Stage 2B			X		X		X	X				X		X
38181A	440-173604-1	ART-7A 011617	440-173604-17	Water	1/16/2017		Stage 2B			X		X		X	X				X		X
38181A	440-173604-1	ART-8A 011617	440-173604-18	Water	1/16/2017		Stage 2B			X		X		X	X				X		X
38181A	440-173604-1	ART-9 011617	440-173604-19	Water	1/16/2017		Stage 2B			X		X		X	X				X		X
38181A	440-173604-1	PC-150 011617	440-173604-20	Water	1/16/2017		Stage 2B			X		X		X	X				X		X
38181A	440-173604-1	ART-3A 011617 EB	440-173604-21	Water	1/16/2017	EB	Stage 2B			X		X		X	X				X		X
38181A	440-173604-1	ART-6 011617 FD	440-173604-22	Water	1/16/2017	FD2	Stage 2B			X		X		X	X				X		X
38181B	440-173724-1	I-O 011717	440-173724-1	Water	1/17/2017		Stage 4			X		X		X	X				X		X
38181B	440-173724-1	I-W 011717	440-173724-2	Water	1/17/2017		Stage 4			X		X		X	X				X		X
38181B	440-173724-1	I-P 011717	440-173724-3	Water	1/17/2017		Stage 4			X		X		X	X				X		X
38181B	440-173724-1	I-H 011717	440-173724-4	Water	1/17/2017	FD3	Stage 4			X		X		X	X				X		X
38181B	440-173724-1	I-H 011717-FD	440-173724-5	Water	1/17/2017	FD3	Stage 4			X		X		X	X				X		X
38181B	440-173724-1	I-U 011717	440-173724-6	Water	1/17/2017		Stage 4			X		X		X	X				X		X
38181B	440-173724-1	I-U 011717-EB	440-173724-7	Water	1/17/2017	EB	Stage 4			X		X		X	X				X		X

Table I. Sample Cross-Reference

LDC	SDG	Client Sample ID	Lab Sample ID	Matrix	Sample Date	QC Type	Validation Level	VOC (8260B & 8260B-SIM)	Metals (200.7)	Cr (200.7)	Cr (VI) (218.6)	Anions (300.0)	NO_3/NO_2-N & TIN (Calc)	Chlorate (300.1B)	Perchlorate (314.0)	Ammonia-N (350.1)	Total Rec. Phenolics (420.4)	Spec. Cond. (2510B)	TDS (2540C)	TOC (5310C) & TOX (9020B)	Field pH
38181B	440-173724-1	I-T 011717	440-173724-8	Water	1/17/2017		Stage 4			X		X		X	X				X		X
38181B	440-173724-1	I-G 011717	440-173724-9	Water	1/17/2017		Stage 4			X		X		X	X				X		X
38181B	440-173724-1	I-Q 011717	440-173724-10	Water	1/17/2017		Stage 4			X		X		X	X				X		X
38181C	440-173842-1	I-F 011817	440-173842-1	Water	1/18/2017		Stage 2B			X		X		X	X				X		X
38181C	440-173842-1	I-X 011817	440-173842-2	Water	1/18/2017		Stage 2B			X		X		X	X				X		X
38181C	440-173842-1	I-N 011817	440-173842-3	Water	1/18/2017		Stage 2B			X		X		X	X				X		X
38181C	440-173842-1	I-E 011817	440-173842-4	Water	1/18/2017		Stage 2B			X		X		X	X				X		X
38181C	440-173842-1	I-M 011817	440-173842-5	Water	1/18/2017		Stage 2B			X		X		X	X				X		X
38181C	440-173842-1	I-D 011817	440-173842-6	Water	1/18/2017		Stage 2B			X		X		X	X				X		X
38181C	440-173842-1	I-C 011817	440-173842-7	Water	1/18/2017		Stage 2B			X		X		X	X				X		X
38181C	440-173842-1	I-S 011817	440-173842-8	Water	1/18/2017		Stage 2B			X		X		X	X				X		X
38181C	440-173842-1	I-L 011817	440-173842-9	Water	1/18/2017		Stage 2B			X		X		X	X				X		X
38181C	440-173842-1	I-Y 011817	440-173842-10	Water	1/18/2017		Stage 2B			X		X		X	X				X		X
38181C	440-173842-1	I-R 011817	440-173842-11	Water	1/18/2017		Stage 2B			X		X		X	X				X		X
38181C	440-173842-1	I-B 011817	440-173842-12	Water	1/18/2017		Stage 2B			X		X		X	X				X		X
38181C	440-173842-1	I-AB 011817	440-173842-13	Water	1/18/2017		Stage 2B			X		X		X	X				X		X
38181C	440-173842-1	I-AA 011817	440-173842-14	Water	1/18/2017		Stage 2B			X		X		X	X				X		X
38181C	440-173842-1	I-AR 011817	440-173842-15	Water	1/18/2017		Stage 2B			X		X		X	X				X		X
38181C	440-173842-1	I-AD 011817	440-173842-16	Water	1/18/2017		Stage 2B			X		X		X	X				X		X
38181C	440-173842-1	I-AC 011817	440-173842-17	Water	1/18/2017		Stage 2B			X		X		X	X				X		X
38181C	440-173842-1	I-K 011817	440-173842-18	Water	1/18/2017		Stage 2B			X		X		X	X				X		X
38181C	440-173842-1	I-J 011817	440-173842-19	Water	1/18/2017		Stage 2B			X		X		X	X				X		X
38181C	440-173842-1	I-Z 011817	440-173842-20	Water	1/18/2017		Stage 2B			X		X		X	X				X		X
38181C	440-173842-1	I-I 011817	440-173842-21	Water	1/18/2017		Stage 2B			X		X		X	X				X		X
38181C	440-173842-1	I-V 011817	440-173842-22	Water	1/18/2017		Stage 2B			X		X		X	X				X		X
38181D	440-174518-1/N022711	I-F 011817	440-174518-1	Water	1/18/2017		Stage 2B				X										
38181D	440-174518-1/N022711	I-X 011817	440-174518-2	Water	1/18/2017		Stage 2B				X										
38181D	440-174518-1/N022711	I-N 011817	440-174518-3	Water	1/18/2017		Stage 2B				X										
38181D	440-174518-1/N022711	I-E 011817	440-174518-4	Water	1/18/2017		Stage 2B				X										

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LDC	SDG	Client Sample ID	Lab Sample ID	Matrix	Sample Date	QC Type	Validation Level	VOC (8260B & 8260B-SIM)	Metals (200.7)	Cr (200.7)	Cr (VI) (218.6)	Anions (300.0)	NO_3/NO_2-N & TIN (Calc)	Chlorate (300.1B)	Perchlorate (314.0)	Ammonia-N (350.1)	Total Rec. Phenolics (420.4)	Spec. Cond. (2510B)	TDS (2540C)	TOC (5310C) & TOX (9020B)	Field pH
38181D	440-174518-1/N022711	I-M 011817	440-174518-5	Water	1/18/2017		Stage 2B				X										
38181D	440-174518-1/N022711	I-D 011817	440-174518-6	Water	1/18/2017		Stage 2B				X										
38181D	440-174518-1/N022711	I-C 011817	440-174518-7	Water	1/18/2017		Stage 2B				X										
38181D	440-174518-1/N022711	I-S 011817	440-174518-8	Water	1/18/2017		Stage 2B				X										
38181D	440-174518-1/N022711	I-L 011817	440-174518-9	Water	1/18/2017		Stage 2B				X										
38181D	440-174518-1/N022711	I-Y 011817	440-174518-10	Water	1/18/2017		Stage 2B				X										
38181D	440-174518-1/N022711	I-R 011817	440-174518-11	Water	1/18/2017		Stage 2B				X										
38181D	440-174518-1/N022711	I-B 011817	440-174518-12	Water	1/18/2017		Stage 2B				X										
38181D	440-174518-1/N022711	I-AB 011817	440-174518-13	Water	1/18/2017		Stage 2B				X										
38181D	440-174518-1/N022711	I-AA 011817	440-174518-14	Water	1/18/2017		Stage 2B				X										
38181D	440-174518-1/N022711	I-AR 011817	440-174518-15	Water	1/18/2017		Stage 2B				X										
38181D	440-174518-1/N022711	I-AD 011817	440-174518-16	Water	1/18/2017		Stage 2B				X										
38181D	440-174518-1/N022711	I-AC 011817	440-174518-17	Water	1/18/2017		Stage 2B				X										
38181D	440-174518-1/N022711	I-K 011817	440-174518-18	Water	1/18/2017		Stage 2B				X										
38181D	440-174518-1/N022711	I-J 011817	440-174518-19	Water	1/18/2017		Stage 2B				X										
38181D	440-174518-1/N022711	I-Z 011817	440-174518-20	Water	1/18/2017		Stage 2B				X										
38181D	440-174518-1/N022711	I-I 011817	440-174518-21	Water	1/18/2017		Stage 2B				X										
38181D	440-174518-1/N022711	I-V 011817	440-174518-22	Water	1/18/2017		Stage 2B				X										
38181E	440-175133-1/N022664	PC-99R2/R3 011617	440-175133-1	Water	1/16/2017		Stage 2B				X										
38181E	440-175133-1/N022664	PC-115R 011617	440-175133-2	Water	1/16/2017	FD4	Stage 2B				X										
38181E	440-175133-1/N022664	PC-116R 011617	440-175133-3	Water	1/16/2017		Stage 2B				X										
38181E	440-175133-1/N022664	PC-117 011617	440-175133-4	Water	1/16/2017		Stage 2B				X										
38181E	440-175133-1/N022664	PC-118 011617	440-175133-5	Water	1/16/2017		Stage 2B				X										
38181E	440-175133-1/N022664	PC-119 011617	440-175133-6	Water	1/16/2017		Stage 2B				X										
38181E	440-175133-1/N022664	PC-120 011617	440-175133-7	Water	1/16/2017		Stage 2B				X										
38181E	440-175133-1/N022664	PC-121 011617	440-175133-8	Water	1/16/2017		Stage 2B				X										
38181E	440-175133-1/N022664	PC-133 011617	440-175133-9	Water	1/16/2017		Stage 2B				X										
38181E	440-175133-1/N022664	PC-115R 011617 EB	440-175133-10	Water	1/16/2017	EB	Stage 2B				X										
38181E	440-175133-1/N022664	PC-117 011617 FD	440-175133-11	Water	1/16/2017	FD4	Stage 2B				X										

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LDC	SDG	Client Sample ID	Lab Sample ID	Matrix	Sample Date	QC Type	Validation Level	VOC (8260B & 8260B-SIM)	Metals (200.7)	Cr (200.7)	Cr (VI) (218.6)	Anions (300.0)	NO_3/NO_2-N & TIN (Calc)	Chlorate (300.1B)	Perchlorate (314.0)	Ammonia-N (350.1)	Total Rec. Phenolics (420.4)	Spec. Cond. (2510B)	TDS (2540C)	TOC (5310C) & TOX (9020B)	Field pH
38181E	440-175133-1/N022664	ART-1A 011617	440-175133-12	Water	1/16/2017		Stage 2B				X										
38181E	440-175133-1/N022664	ART-2A 011617	440-175133-13	Water	1/16/2017		Stage 2B				X										
38181E	440-175133-1/N022664	ART-3A 011617	440-175133-14	Water	1/16/2017		Stage 2B				X										
38181E	440-175133-1/N022664	ART-4 011617	440-175133-15	Water	1/16/2017		Stage 2B				X										
38181E	440-175133-1/N022664	ART-6 011617	440-175133-16	Water	1/16/2017	FD5	Stage 2B				X										
38181E	440-175133-1/N022664	ART-7A 011617	440-175133-17	Water	1/16/2017		Stage 2B				X										
38181E	440-175133-1/N022664	ART-8A 011617	440-175133-18	Water	1/16/2017		Stage 2B				X										
38181E	440-175133-1/N022664	ART-9 011617	440-175133-19	Water	1/16/2017		Stage 2B				X										
38181E	440-175133-1/N022664	PC-150 011617	440-175133-20	Water	1/16/2017		Stage 2B				X										
38181E	440-175133-1/N022664	ART-3A 011617 EB	440-175133-21	Water	1/16/2017	EB	Stage 2B				X										
38181E	440-175133-1/N022664	ART-6 011617 FD	440-175133-22	Water	1/16/2017	FD5	Stage 2B				X										
38181F	440-175346-1/N022680	I-O 011717	440-175346-1	Water	1/17/2017		Stage 4				X										
38181F	440-175346-1/N022680	I-W 011717	440-175346-2	Water	1/17/2017		Stage 4				X										
38181F	440-175346-1/N022680	I-P 011717	440-175346-3	Water	1/17/2017		Stage 4				X										
38181F	440-175346-1/N022680	I-H 011717	440-175346-4	Water	1/17/2017	FD6	Stage 4				X										
38181F	440-175346-1/N022680	I-H 011717-FD	440-175346-5	Water	1/17/2017	FD6	Stage 4				X										
38181F	440-175346-1/N022680	I-U 011717	440-175346-6	Water	1/17/2017		Stage 4				X										
38181F	440-175346-1/N022680	I-U 011717-EB	440-175346-7	Water	1/17/2017	EB	Stage 4				X										
38181F	440-175346-1/N022680	I-T 011717	440-175346-8	Water	1/17/2017		Stage 4				X										
38181F	440-175346-1/N022680	I-G 011717	440-175346-9	Water	1/17/2017		Stage 4				X										
38181F	440-175346-1/N022680	I-Q 011717	440-175346-10	Water	1/17/2017		Stage 4				X										
38379A	440-175903-1	M-37-20170207	440-175903-1	Water	2/7/2017		Stage 2B			X	X				X				X		
38379A	440-175903-1	M-44-20170207	440-175903-2	Water	2/7/2017		Stage 2B			X	X				X				X		
38379B	440-175904-1	M-11-20170207	440-175904-1	Water	2/7/2017		Stage 2B			X	X				X				X		
38379B	440-175904-1	M-12A-20170207	440-175904-2	Water	2/7/2017	FD7	Stage 2B			X	X				X				X		
38379B	440-175904-1	M-12A-20170207-FD4	440-175904-3	Water	2/7/2017	FD7	Stage 2B			X	X				X				X		
38379C	440-176090-1	M-80-20170208	440-176090-1	Water	2/8/2017		Stage 2B			X	X				X				X		
38379D	440-176092-1	M-38-20170208	440-176092-1	Water	2/8/2017		Stage 2B			X	X				X				X		
38379D	440-176092-1	M-38-20170208-FB4	440-176092-2	Water	2/8/2017	FB	Stage 2B			X	X				X				X		

Table I. Sample Cross-Reference

LDC	SDG	Client Sample ID	Lab Sample ID	Matrix	Sample Date	QC Type	Validation Level	VOC (8260B & 8260B-SIM)	Metals (200.7)	Cr (200.7)	Cr (VI) (218.6)	Anions (300.0)	NO_3/NO_2-N & TIN (Calc)	Chlorate (300.1B)	Perchlorate (314.0)	Ammonia-N (350.1)	Total Rec. Phenolics (420.4)	Spec. Cond. (2510B)	TDS (2540C)	TOC (5310C) & TOX (9020B)	Field pH
38379E	440-176093-1	M-10-20170208	440-176093-1	Water	2/8/2017		Stage 2B		X		X	X	X		X	X			X		
38379E	440-176093-1	M-10-20170208-EB4	440-176093-2	Water	2/8/2017	EB	Stage 2B			X	X				X				X		
38379F	440-177034-1	ART-1A 021517	440-177034-1	Water	2/15/2017		Stage 2B			X		X		X	X				X		X
38379F	440-177034-1	ART-2A 021517	440-177034-2	Water	2/15/2017		Stage 2B			X		X		X	X				X		X
38379F	440-177034-1	ART-3A 021517	440-177034-3	Water	2/15/2017		Stage 2B			X		X		X	X				X		X
38379F	440-177034-1	ART-4 021517	440-177034-4	Water	2/15/2017	FD8	Stage 2B			X		X		X	X				X		X
38379F	440-177034-1	ART-6 021517	440-177034-5	Water	2/15/2017		Stage 2B			X		X		X	X				X		X
38379F	440-177034-1	ART-7A 021517	440-177034-6	Water	2/15/2017		Stage 2B			X		X		X	X				X		X
38379F	440-177034-1	ART-8A 021517	440-177034-7	Water	2/15/2017		Stage 2B			X		X		X	X				X		X
38379F	440-177034-1	ART-9 021517	440-177034-8	Water	2/15/2017		Stage 2B			X		X		X	X				X		X
38379F	440-177034-1	PC-150 021517	440-177034-9	Water	2/15/2017		Stage 2B			X		X		X	X				X		X
38379F	440-177034-1	ART-7A 021517-EB	440-177034-10	Water	2/15/2017	EB	Stage 2B			X		X		X	X				X		X
38379F	440-177034-1	ART-4 021517-FD	440-177034-11	Water	2/15/2017	FD8	Stage 2B			X		X		X	X				X		X
38379F	440-177034-1	PC-99R2/R3 021517	440-177034-12	Water	2/15/2017		Stage 2B			X		X		X	X				X		X
38379F	440-177034-1	PC-115R 021517	440-177034-13	Water	2/15/2017		Stage 2B			X		X		X	X				X		X
38379F	440-177034-1	PC-116R 021517	440-177034-14	Water	2/15/2017		Stage 2B			X		X		X	X				X		X
38379F	440-177034-1	PC-117 021517	440-177034-15	Water	2/15/2017		Stage 2B			X		X		X	X				X		X
38379F	440-177034-1	PC-118 021517	440-177034-16	Water	2/15/2017	FD9	Stage 2B			X		X		X	X				X		X
38379F	440-177034-1	PC-119 021517	440-177034-17	Water	2/15/2017		Stage 2B			X		X		X	X				X		X
38379F	440-177034-1	PC-120 021517	440-177034-18	Water	2/15/2017		Stage 2B			X		X		X	X				X		X
38379F	440-177034-1	PC-121 021517	440-177034-19	Water	2/15/2017		Stage 2B			X		X		X	X				X		X
38379F	440-177034-1	PC-133 021517	440-177034-20	Water	2/15/2017		Stage 2B			X		X		X	X				X		X
38379F	440-177034-1	PC-117 021517-EB	440-177034-21	Water	2/15/2017	EB	Stage 2B			X		X		X	X				X		X
38379F	440-177034-1	PC-118 021517-FD	440-177034-22	Water	2/15/2017	FD9	Stage 2B			X		X		X	X				X		X
38379G	440-177176-1	I-AD 021617	440-177176-1	Water	2/16/2017		Stage 2B			X		X		X	X				X		X
38379G	440-177176-1	I-AC 021617	440-177176-2	Water	2/16/2017		Stage 2B			X		X		X	X				X		X
38379G	440-177176-1	I-K 021617	440-177176-3	Water	2/16/2017		Stage 2B			X		X		X	X				X		X
38379G	440-177176-1	I-J 021617	440-177176-4	Water	2/16/2017	FD10	Stage 2B			X		X		X	X				X		X
38379G	440-177176-1	I-J 021617-FD	440-177176-5	Water	2/16/2017	FD10	Stage 2B			X		X		X	X				X		X

Table I. Sample Cross-Reference

LDC	SDG	Client Sample ID	Lab Sample ID	Matrix	Sample Date	QC Type	Validation Level	VOC (8260B & 8260B-SIM)	Metals (200.7)	Cr (200.7)	Cr (VI) (218.6)	Anions (300.0)	NO_3/NO_2-N & TIN (Calc)	Chlorate (300.1B)	Perchlorate (314.0)	Ammonia-N (350.1)	Total Rec. Phenolics (420.4)	Spec. Cond. (2510B)	TDS (2540C)	TOC (5310C) & TOX (9020B)	Field pH
38379G	440-177176-1	I-Z 021617	440-177176-6	Water	2/16/2017		Stage 2B			X		X		X	X				X		X
38379G	440-177176-1	I-I 021617	440-177176-7	Water	2/16/2017		Stage 2B			X		X		X	X				X		X
38379G	440-177176-1	I-V 021617	440-177176-8	Water	2/16/2017		Stage 2B			X		X		X	X				X		X
38379H	440-178468-1/N023119	ART-1A 021517	440-178468-1	Water	2/15/2017		Stage 2B				X										
38379H	440-178468-1/N023119	ART-2A 021517	440-178468-2	Water	2/15/2017		Stage 2B				X										
38379H	440-178468-1/N023119	ART-3A 021517	440-178468-3	Water	2/15/2017		Stage 2B				X										
38379H	440-178468-1/N023119	ART-4 021517	440-178468-4	Water	2/15/2017	FD12	Stage 2B				X										
38379H	440-178468-1/N023119	ART-6 021517	440-178468-5	Water	2/15/2017		Stage 2B				X										
38379H	440-178468-1/N023119	ART-7A 021517	440-178468-6	Water	2/15/2017		Stage 2B				X										
38379H	440-178468-1/N023119	ART-8A 021517	440-178468-7	Water	2/15/2017		Stage 2B				X										
38379H	440-178468-1/N023119	ART-9 021517	440-178468-8	Water	2/15/2017		Stage 2B				X										
38379H	440-178468-1/N023119	PC-150 021517	440-178468-9	Water	2/15/2017		Stage 2B				X										
38379H	440-178468-1/N023119	PC-99R2/R3 021517	440-178468-10	Water	2/15/2017		Stage 2B				X										
38379H	440-178468-1/N023119	PC-115R 021517	440-178468-11	Water	2/15/2017		Stage 2B				X										
38379H	440-178468-1/N023119	PC-116R 021517	440-178468-12	Water	2/15/2017		Stage 2B				X										
38379H	440-178468-1/N023119	PC-117 021517	440-178468-13	Water	2/15/2017		Stage 2B				X										
38379H	440-178468-1/N023119	PC-118 021517	440-178468-14	Water	2/15/2017	FD11	Stage 2B				X										
38379H	440-178468-1/N023119	PC-119 021517	440-178468-15	Water	2/15/2017		Stage 2B				X										
38379H	440-178468-1/N023119	PC-120 021517	440-178468-16	Water	2/15/2017		Stage 2B				X										
38379H	440-178468-1/N023119	PC-121 021517	440-178468-17	Water	2/15/2017		Stage 2B				X										
38379H	440-178468-1/N023119	PC-133 021517	440-178468-18	Water	2/15/2017		Stage 2B				X										
38379H	440-178468-1/N023119	PC-117 021517-EB	440-178468-19	Water	2/15/2017	EB	Stage 2B				X										
38379H	440-178468-1/N023119	PC-118 021517-FD	440-178468-20	Water	2/15/2017	FD11	Stage 2B				X										
38379H	440-178468-1/N023119	ART-7A 021517-EB	440-178468-21	Water	2/15/2017	EB	Stage 2B				X										
38379H	440-178468-1/N023119	ART-4 021517-FD	440-178468-22	Water	2/15/2017	FD12	Stage 2B				X										
38379I	440-178775-1/N023128	I-AD 021617	440-178775-1	Water	2/16/2017		Stage 2B				X										
38379I	440-178775-1/N023128	I-AC 021617	440-178775-2	Water	2/16/2017		Stage 2B				X										
38379I	440-178775-1/N023128	I-K 021617	440-178775-3	Water	2/16/2017		Stage 2B				X										
38379I	440-178775-1/N023128	I-J 021617	440-178775-4	Water	2/16/2017	FD13	Stage 2B				X										

Table I. Sample Cross-Reference

LDC	SDG	Client Sample ID	Lab Sample ID	Matrix	Sample Date	QC Type	Validation Level	VOC (8260B & 8260B-SIM)	Metals (200.7)	Cr (200.7)	Cr (VI) (218.6)	Anions (300.0)	NO_3/NO_2-N & TIN (Calc)	Chlorate (300.1B)	Perchlorate (314.0)	Ammonia-N (350.1)	Total Rec. Phenolics (420.4)	Spec. Cond. (2510B)	TDS (2540C)	TOC (5310C) & TOX (9020B)	Field pH
38379I	440-178775-1/N023128	I-J 021617-FD	440-178775-5	Water	2/16/2017	FD13	Stage 2B				X										
38379I	440-178775-1/N023128	I-Z 021617	440-178775-6	Water	2/16/2017		Stage 2B				X										
38379I	440-178775-1/N023128	I-I 021617	440-178775-7	Water	2/16/2017		Stage 2B				X										
38379I	440-178775-1/N023128	I-V 021617	440-178775-8	Water	2/16/2017		Stage 2B				X										
38643A	440-178218-1	I-O 022717	440-178218-1	Water	2/27/2017		Stage 2A			X		X		X	X				X		X
38643A	440-178218-1	I-W 022717	440-178218-2	Water	2/27/2017		Stage 2A			X		X		X	X				X		X
38643A	440-178218-1	I-P 022717	440-178218-3	Water	2/27/2017		Stage 2A			X		X		X	X				X		X
38643A	440-178218-1	I-H 022717	440-178218-4	Water	2/27/2017		Stage 2A			X		X		X	X				X		X
38643A	440-178218-1	I-U 022717	440-178218-5	Water	2/27/2017		Stage 2A			X		X		X	X				X		X
38643A	440-178218-1	I-T 022717	440-178218-6	Water	2/27/2017		Stage 2A			X		X		X	X				X		X
38643A	440-178218-1	I-G 022717	440-178218-7	Water	2/27/2017		Stage 2A			X		X		X	X				X		X
38643A	440-178218-1	I-G 022717 EB	440-178218-8	Water	2/27/2017	EB	Stage 2A			X		X		X	X				X		X
38643A	440-178218-1	I-Q 022717	440-178218-9	Water	2/27/2017		Stage 2A			X		X		X	X				X		X
38643A	440-178218-1	I-F 022717	440-178218-10	Water	2/27/2017		Stage 2A			X		X		X	X				X		X
38643A	440-178218-1	I-X 022717	440-178218-11	Water	2/27/2017		Stage 2A			X		X		X	X				X		X
38643A	440-178218-1	I-N 022717	440-178218-12	Water	2/27/2017		Stage 2A			X		X		X	X				X		X
38643A	440-178218-1	I-E 022717	440-178218-13	Water	2/27/2017		Stage 2A			X		X		X	X				X		X
38643A	440-178218-1	I-M 022717	440-178218-14	Water	2/27/2017		Stage 2A			X		X		X	X				X		X
38643A	440-178218-1	I-D 022717	440-178218-15	Water	2/27/2017		Stage 2A			X		X		X	X				X		X
38643A	440-178218-1	I-C 022717	440-178218-16	Water	2/27/2017		Stage 2A			X		X		X	X				X		X
38643A	440-178218-1	I-S 022717	440-178218-17	Water	2/27/2017		Stage 2A			X		X		X	X				X		X
38643A	440-178218-1	I-L 022717	440-178218-18	Water	2/27/2017		Stage 2A			X		X		X	X				X		X
38643A	440-178218-1	I-Y 022717	440-178218-19	Water	2/27/2017		Stage 2A			X		X		X	X				X		X
38643A	440-178218-1	I-R 022717	440-178218-20	Water	2/27/2017		Stage 2A			X		X		X	X				X		X
38643A	440-178218-1	I-B 022717	440-178218-21	Water	2/27/2017		Stage 2A			X		X		X	X				X		X
38643A	440-178218-1	I-AB 022717	440-178218-22	Water	2/27/2017		Stage 2A			X		X		X	X				X		X
38643A	440-178218-1	I-AA 022717	440-178218-23	Water	2/27/2017		Stage 2A			X		X		X	X				X		X
38643A	440-178218-1	I-AR 022717	440-178218-24	Water	2/27/2017		Stage 2A			X		X		X	X				X		X
38643B	440-179375-1	I-O 022717	440-179375-1	Water	2/27/2017		Stage 2A				X										

Table I. Sample Cross-Reference

LDC	SDG	Client Sample ID	Lab Sample ID	Matrix	Sample Date	QC Type	Validation Level	VOC (8260B & 8260B-SIM)	Metals (200.7)	Cr (200.7)	Cr (VI) (218.6)	Anions (300.0)	NO_3/NO_2-N & TIN (Calc)	Chlorate (300.1B)	Perchlorate (314.0)	Ammonia-N (350.1)	Total Rec. Phenolics (420.4)	Spec. Cond. (2510B)	TDS (2540C)	TOC (5310C) & TOX (9020B)	Field pH
38643B	440-179375-1	I-W 022717	440-179375-2	Water	2/27/2017		Stage 2A				X										
38643B	440-179375-1	I-P 022717	440-179375-3	Water	2/27/2017		Stage 2A				X										
38643B	440-179375-1	I-H 022717	440-179375-4	Water	2/27/2017		Stage 2A				X										
38643B	440-179375-1	I-U 022717	440-179375-5	Water	2/27/2017		Stage 2A				X										
38643B	440-179375-1	I-T 022717	440-179375-6	Water	2/27/2017		Stage 2A				X										
38643B	440-179375-1	I-G 022717	440-179375-7	Water	2/27/2017		Stage 2A				X										
38643B	440-179375-1	I-G 022717 EB	440-179375-8	Water	2/27/2017	EB	Stage 2A				X										
38643B	440-179375-1	I-Q 022717	440-179375-9	Water	2/27/2017		Stage 2A				X										
38643B	440-179375-1	I-F 022717	440-179375-10	Water	2/27/2017		Stage 2A				X										
38643B	440-179375-1	I-X 022717	440-179375-11	Water	2/27/2017		Stage 2A				X										
38643B	440-179375-1	I-N 022717	440-179375-12	Water	2/27/2017		Stage 2A				X										
38643B	440-179375-1	I-E 022717	440-179375-13	Water	2/27/2017		Stage 2A				X										
38643B	440-179375-1	I-M 022717	440-179375-14	Water	2/27/2017		Stage 2A				X										
38643B	440-179375-1	I-D 022717	440-179375-15	Water	2/27/2017		Stage 2A				X										
38643B	440-179375-1	I-C 022717	440-179375-16	Water	2/27/2017		Stage 2A				X										
38643B	440-179375-1	I-S 022717	440-179375-17	Water	2/27/2017		Stage 2A				X										
38643B	440-179375-1	I-L 022717	440-179375-18	Water	2/27/2017		Stage 2A				X										
38643B	440-179375-1	I-Y 022717	440-179375-19	Water	2/27/2017		Stage 2A				X										
38643B	440-179375-1	I-R 022717	440-179375-20	Water	2/27/2017		Stage 2A				X										
38643B	440-179375-1	I-B 022717	440-179375-21	Water	2/27/2017		Stage 2A				X										
38643B	440-179375-1	I-AB 022717	440-179375-22	Water	2/27/2017		Stage 2A				X										
38643B	440-179375-1	I-AA 022717	440-179375-23	Water	2/27/2017		Stage 2A				X										
38643B	440-179375-1	I-AR 022717	440-179375-24	Water	2/27/2017		Stage 2A				X										
38645A	440-180060-1	ART-1A-032017	440-180060-1	Water	3/20/2017		Stage 2A			X		X		X	X				X		X
38645A	440-180060-1	ART-2A-032017	440-180060-2	Water	3/20/2017		Stage 2A			X		X		X	X				X		X
38645A	440-180060-1	ART-3A-032017	440-180060-3	Water	3/20/2017		Stage 2A			X		X		X	X				X		X
38645A	440-180060-1	ART-4-032017	440-180060-4	Water	3/20/2017		Stage 2A			X		X		X	X				X		X
38645A	440-180060-1	ART-6-032017	440-180060-5	Water	3/20/2017		Stage 2A			X		X		X	X				X		X
38645A	440-180060-1	ART-7A-032017	440-180060-6	Water	3/20/2017		Stage 2A			X		X		X	X				X		X

Table I. Sample Cross-Reference

LDC	SDG	Client Sample ID	Lab Sample ID	Matrix	Sample Date	QC Type	Validation Level	VOC (8260B & 8260B-SIM)	Metals (200.7)	Cr (200.7)	Cr (VI) (218.6)	Anions (300.0)	NO_3/NO_2-N & TIN (Calc)	Chlorate (300.1B)	Perchlorate (314.0)	Ammonia-N (350.1)	Total Rec. Phenolics (420.4)	Spec. Cond. (2510B)	TDS (2540C)	TOC (5310C) & TOX (9020B)	Field pH
38645A	440-180060-1	ART-8A-032017	440-180060-7	Water	3/20/2017		Stage 2A			X		X		X	X				X		X
38645A	440-180060-1	ART-9-032017	440-180060-8	Water	3/20/2017	FD14	Stage 2A			X		X		X	X				X		X
38645A	440-180060-1	PC-150-032017	440-180060-9	Water	3/20/2017		Stage 2A			X		X		X	X				X		X
38645A	440-180060-1	ART-9-032017-FD	440-180060-10	Water	3/20/2017	FD14	Stage 2A			X		X		X	X				X		X
38645A	440-180060-1	PC-150-032017-EB	440-180060-11	Water	3/20/2017	EB	Stage 2A			X		X		X	X				X		X
38645A	440-180060-1	PC-99R2/R3-032017	440-180060-12	Water	3/20/2017	FD15	Stage 2A			X		X		X	X				X		X
38645A	440-180060-1	PC-115R-032017	440-180060-13	Water	3/20/2017		Stage 2A			X		X		X	X				X		X
38645A	440-180060-1	PC-116R-032017	440-180060-14	Water	3/20/2017		Stage 2A			X		X		X	X				X		X
38645A	440-180060-1	PC-117-032017	440-180060-15	Water	3/20/2017		Stage 2A			X		X		X	X				X		X
38645A	440-180060-1	PC-118-032017	440-180060-16	Water	3/20/2017		Stage 2A			X		X		X	X				X		X
38645A	440-180060-1	PC-119-032017	440-180060-17	Water	3/20/2017		Stage 2A			X		X		X	X				X		X
38645A	440-180060-1	PC-120-032017	440-180060-18	Water	3/20/2017		Stage 2A			X		X		X	X				X		X
38645A	440-180060-1	PC-121-032017	440-180060-19	Water	3/20/2017		Stage 2A			X		X		X	X				X		X
38645A	440-180060-1	PC-99R2/R3-032017-FD	440-180060-20	Water	3/20/2017	FD15	Stage 2A			X		X		X	X				X		X
38645A	440-180060-1	PC-119-032017-EB	440-180060-21	Water	3/20/2017	EB	Stage 2A			X		X		X	X				X		X
38645B	440-180061-1	ART-1A-032017	440-180061-1	Water	3/20/2017		Stage 2A				X										
38645B	440-180061-1	ART-2A-032017	440-180061-2	Water	3/20/2017		Stage 2A				X										
38645B	440-180061-1	ART-3A-032017	440-180061-3	Water	3/20/2017		Stage 2A				X										
38645B	440-180061-1	ART-4-032017	440-180061-4	Water	3/20/2017		Stage 2A				X										
38645B	440-180061-1	ART-6-032017	440-180061-5	Water	3/20/2017		Stage 2A				X										
38645B	440-180061-1	ART-7A-032017	440-180061-6	Water	3/20/2017		Stage 2A				X										
38645B	440-180061-1	ART-8A-032017	440-180061-7	Water	3/20/2017		Stage 2A				X										
38645B	440-180061-1	ART-9-032017	440-180061-8	Water	3/20/2017	FD16	Stage 2A				X										
38645B	440-180061-1	PC-150-032017	440-180061-9	Water	3/20/2017	FD16	Stage 2A				X										
38645B	440-180061-1	ART-9-032017-FD	440-180061-10	Water	3/20/2017	EB	Stage 2A				X										
38645B	440-180061-1	PC-150-032017-EB	440-180061-11	Water	3/20/2017		Stage 2A				X										
38645B	440-180061-1	PC-99R2/R3-032017	440-180061-12	Water	3/20/2017	FD17	Stage 2A				X										
38645B	440-180061-1	PC-115-R 032017	440-180061-13	Water	3/20/2017		Stage 2A				X										
38645B	440-180061-1	PC-116-R 032017	440-180061-14	Water	3/20/2017		Stage 2A				X										

Table I. Sample Cross-Reference

LDC	SDG	Client Sample ID	Lab Sample ID	Matrix	Sample Date	QC Type	Validation Level	VOC (8260B & 8260B-SIM)	Metals (200.7)	Cr (200.7)	Cr (VI) (218.6)	Anions (300.0)	NO_3/NO_2-N & TIN (Calc)	Chlorate (300.1B)	Perchlorate (314.0)	Ammonia-N (350.1)	Total Rec. Phenolics (420.4)	Spec. Cond. (2510B)	TDS (2540C)	TOC (5310C) & TOX (9020B)	Field pH
38645B	440-180061-1	PC-117-032017	440-180061-15	Water	3/20/2017		Stage 2A				X										
38645B	440-180061-1	PC-118-032017	440-180061-16	Water	3/20/2017		Stage 2A				X										
38645B	440-180061-1	PC-119-032017	440-180061-17	Water	3/20/2017		Stage 2A				X										
38645B	440-180061-1	PC-120-032017	440-180061-18	Water	3/20/2017		Stage 2A				X										
38645B	440-180061-1	PC-121-032017	440-180061-19	Water	3/20/2017		Stage 2A				X										
38645B	440-180061-1	PC-99R2/R3-032017-FD	440-180061-20	Water	3/20/2017	FD17	Stage 2A				X										
38645B	440-180061-1	PC-119-032017-EB	440-180061-21	Water	3/20/2017	EB	Stage 2A				X										
38645C	440-180167-1	PC-133-032117	440-180167-1	Water	3/21/2017		Stage 2A			X		X		X	X				X		X
38645D	440-180179-1/N023541	PC-133-032117	440-180179-1	Water	3/21/2017		Stage 2A				X										
38645E	440-180294-1	I-O 032217	440-180294-1	Water	3/22/2017		Stage 2A			X		X		X	X				X		X
38645E	440-180294-1	I-W 032217	440-180294-2	Water	3/22/2017		Stage 2A			X		X		X	X				X		X
38645E	440-180294-1	I-P 032217	440-180294-3	Water	3/22/2017		Stage 2A			X		X		X	X				X		X
38645E	440-180294-1	I-H 032217	440-180294-4	Water	3/22/2017		Stage 2A			X		X		X	X				X		X
38645E	440-180294-1	I-U 032217	440-180294-5	Water	3/22/2017		Stage 2A			X		X		X	X				X		X
38645E	440-180294-1	I-T 032217	440-180294-6	Water	3/22/2017		Stage 2A			X		X		X	X				X		X
38645E	440-180294-1	I-G 032217	440-180294-7	Water	3/22/2017		Stage 2A			X		X		X	X				X		X
38645E	440-180294-1	I-Q 032217	440-180294-8	Water	3/22/2017		Stage 2A			X		X		X	X				X		X
38645E	440-180294-1	I-F 032217	440-180294-9	Water	3/22/2017		Stage 2A			X		X		X	X				X		X
38645E	440-180294-1	I-X 032217	440-180294-10	Water	3/22/2017	FD18	Stage 2A			X		X		X	X				X		X
38645E	440-180294-1	I-N 032217	440-180294-11	Water	3/22/2017		Stage 2A			X		X		X	X				X		X
38645E	440-180294-1	I-X 032217FD	440-180294-12	Water	3/22/2017	FD18	Stage 2A			X		X		X	X				X		X
38645E	440-180294-1	I-E 032217	440-180294-13	Water	3/22/2017		Stage 2A			X		X		X	X				X		X
38645E	440-180294-1	I-M 032217	440-180294-14	Water	3/22/2017		Stage 2A			X		X		X	X				X		X
38645E	440-180294-1	I-D 032217	440-180294-15	Water	3/22/2017		Stage 2A			X		X		X	X				X		X
38645E	440-180294-1	I-C 032217	440-180294-16	Water	3/22/2017		Stage 2A			X		X		X	X				X		X
38645E	440-180294-1	I-S 032217	440-180294-17	Water	3/22/2017		Stage 2A			X		X		X	X				X		X
38645E	440-180294-1	I-D 032217EB	440-180294-18	Water	3/22/2017	EB	Stage 2A			X		X		X	X				X		X
38645E	440-180294-1	I-L 032217	440-180294-19	Water	3/22/2017		Stage 2A			X		X		X	X				X		X
38645E	440-180294-1	I-Y 032217	440-180294-20	Water	3/22/2017		Stage 2A			X		X		X	X				X		X

Table I. Sample Cross-Reference

LDC	SDG	Client Sample ID	Lab Sample ID	Matrix	Sample Date	QC Type	Validation Level	VOC (8260B & 8260B-SIM)	Metals (200.7)	Cr (200.7)	Cr (VI) (218.6)	Anions (300.0)	NO_3/NO_2-N & TIN (Calc)	Chlorate (300.1B)	Perchlorate (314.0)	Ammonia-N (350.1)	Total Rec. Phenolics (420.4)	Spec. Cond. (2510B)	TDS (2540C)	TOC (5310C) & TOX (9020B)	Field pH
38645E	440-180294-1	I-R 032217	440-180294-21	Water	3/22/2017		Stage 2A			X		X		X	X				X		X
38645E	440-180294-1	I-B 032217	440-180294-22	Water	3/22/2017		Stage 2A			X		X		X	X				X		X
38645E	440-180294-1	I-AB 032217	440-180294-23	Water	3/22/2017		Stage 2A			X		X		X	X				X		X
38645E	440-180294-1	I-AA 032217	440-180294-24	Water	3/22/2017		Stage 2A			X		X		X	X				X		X
38645E	440-180294-1	I-AR 032217	440-180294-25	Water	3/22/2017		Stage 2A			X		X		X	X				X		X
38645F	440-180438-1	I-V-032317	440-180438-1	Water	3/23/2017		Stage 2A			X		X		X	X				X		X
38645F	440-180438-1	I-I-032317	440-180438-2	Water	3/23/2017		Stage 2A			X		X		X	X				X		X
38645F	440-180438-1	I-Z-032317	440-180438-3	Water	3/23/2017		Stage 2A			X		X		X	X				X		X
38645F	440-180438-1	I-J-032317	440-180438-4	Water	3/23/2017		Stage 2A			X		X		X	X				X		X
38645F	440-180438-1	I-K-032317	440-180438-5	Water	3/23/2017		Stage 2A			X		X		X	X				X		X
38645F	440-180438-1	I-AC-032317	440-180438-6	Water	3/23/2017		Stage 2A			X		X		X	X				X		X
38645F	440-180438-1	I-AD-032317	440-180438-7	Water	3/23/2017		Stage 2A			X		X		X	X				X		X
38645G	440-181519-1	I-V-032317	440-181519-1	Water	3/23/2017		Stage 2A				X										
38645G	440-181519-1	I-I-032317	440-181519-2	Water	3/23/2017		Stage 2A				X										
38645G	440-181519-1	I-J-032317	440-181519-3	Water	3/23/2017		Stage 2A				X										
38645G	440-181519-1	I-K-032317	440-181519-4	Water	3/23/2017		Stage 2A				X										
38645G	440-181519-1	I-AC-032317	440-181519-5	Water	3/23/2017		Stage 2A				X										
38645G	440-181519-1	I-AD-032317	440-181519-6	Water	3/23/2017		Stage 2A				X										
38645G	440-181519-1	I-Z-032317	440-181519-7	Water	3/23/2017		Stage 2A				X										
38645H	440-181522-1	I-O-032217	440-181522-1	Water	3/22/2017		Stage 2A				X										
38645H	440-181522-1	I-W-032217	440-181522-2	Water	3/22/2017		Stage 2A				X										
38645H	440-181522-1	I-P-032217	440-181522-3	Water	3/22/2017		Stage 2A				X										
38645H	440-181522-1	I-H-032217	440-181522-4	Water	3/22/2017		Stage 2A				X										
38645H	440-181522-1	I-U-032217	440-181522-5	Water	3/22/2017		Stage 2A				X										
38645H	440-181522-1	I-T-032217	440-181522-6	Water	3/22/2017		Stage 2A				X										
38645H	440-181522-1	I-G-032217	440-181522-7	Water	3/22/2017		Stage 2A				X										
38645H	440-181522-1	I-Q-032217	440-181522-8	Water	3/22/2017		Stage 2A				X										
38645H	440-181522-1	I-F-032217	440-181522-9	Water	3/22/2017		Stage 2A				X										
38645H	440-181522-1	I-X-032217	440-181522-10	Water	3/22/2017	FD19	Stage 2A				X										

Table I. Sample Cross-Reference

LDC	SDG	Client Sample ID	Lab Sample ID	Matrix	Sample Date	QC Type	Validation Level	VOC (8260B & 8260B-SIM)	Metals (200.7)	Cr (200.7)	Cr (VI) (218.6)	Anions (300.0)	NO_3/NO_2-N & TIN (Calc)	Chlorate (300.1B)	Perchlorate (314.0)	Ammonia-N (350.1)	Total Rec. Phenolics (420.4)	Spec. Cond. (2510B)	TDS (2540C)	TOC (5310C) & TOX (9020B)	Field pH
38645H	440-181522-1	I-N-032217	440-181522-11	Water	3/22/2017		Stage 2A				X										
38645H	440-181522-1	I-X-032217-FD	440-181522-12	Water	3/22/2017	FD19	Stage 2A				X										
38645H	440-181522-1	I-E-032217	440-181522-13	Water	3/22/2017		Stage 2A				X										
38645H	440-181522-1	I-M-032217	440-181522-14	Water	3/22/2017		Stage 2A				X										
38645H	440-181522-1	I-D-032217	440-181522-15	Water	3/22/2017		Stage 2A				X										
38645H	440-181522-1	I-C-032217	440-181522-16	Water	3/22/2017		Stage 2A				X										
38645H	440-181522-1	I-S-032217	440-181522-17	Water	3/22/2017		Stage 2A				X										
38645H	440-181522-1	I-D-032217-EB	440-181522-18	Water	3/22/2017	EB	Stage 2A				X										
38645H	440-181522-1	I-L-032217	440-181522-19	Water	3/22/2017		Stage 2A				X										
38645H	440-181522-1	I-Y-032217	440-181522-20	Water	3/22/2017		Stage 2A				X										
38645H	440-181522-1	I-R-032217	440-181522-21	Water	3/22/2017		Stage 2A				X										
38645H	440-181522-1	I-B-032217	440-181522-22	Water	3/22/2017		Stage 2A				X										
38645H	440-181522-1	I-AB-032217	440-181522-23	Water	3/22/2017		Stage 2A				X										
38645H	440-181522-1	I-AA-032217	440-181522-24	Water	3/22/2017		Stage 2A				X										
38645H	440-181522-1	I-AR-032217	440-181522-25	Water	3/22/2017		Stage 2A				X										
38663A	440-181479-1	I-AD 040517	440-181479-1	Water	4/5/2017		Stage 2A			X		X		X	X				X		X
38663A	440-181479-1	I-AC 040517	440-181479-2	Water	4/5/2017		Stage 2A			X		X		X	X				X		X
38663A	440-181479-1	I-K 040517	440-181479-3	Water	4/5/2017		Stage 2A			X		X		X	X				X		X
38663A	440-181479-1	I-J 040517	440-181479-4	Water	4/5/2017		Stage 2A			X		X		X	X				X		X
38663A	440-181479-1	I-Z 040517	440-181479-5	Water	4/5/2017		Stage 2A			X		X		X	X				X		X
38663A	440-181479-1	I-I 040517	440-181479-6	Water	4/5/2017	FD20	Stage 2A			X		X		X	X				X		X
38663A	440-181479-1	I-V 040517	440-181479-7	Water	4/5/2017		Stage 2A			X		X		X	X				X		X
38663A	440-181479-1	I-V 040517 EB	440-181479-8	Water	4/5/2017	EB	Stage 2A			X		X		X	X				X		X
38663A	440-181479-1	I-I 040517 FD	440-181479-9	Water	4/5/2017	FD20	Stage 2A			X		X		X	X				X		X
38663B	440-181553-1	I-O 040617	440-181553-1	Water	4/6/2017		Stage 2A			X		X		X	X				X		X
38663B	440-181553-1	I-W 040617	440-181553-2	Water	4/6/2017		Stage 2A			X		X		X	X				X		X
38663B	440-181553-1	I-P 040617	440-181553-3	Water	4/6/2017		Stage 2A			X		X		X	X				X		X
38663B	440-181553-1	I-H 040617	440-181553-4	Water	4/6/2017		Stage 2A			X		X		X	X				X		X
38663B	440-181553-1	I-U 040617	440-181553-5	Water	4/6/2017		Stage 2A			X		X		X	X				X		X

Table I. Sample Cross-Reference

LDC	SDG	Client Sample ID	Lab Sample ID	Matrix	Sample Date	QC Type	Validation Level	VOC (8260B & 8260B-SIM)	Metals (200.7)	Cr (200.7)	Cr (VI) (218.6)	Anions (300.0)	NO_3/NO_2-N & TIN (Calc)	Chlorate (300.1B)	Perchlorate (314.0)	Ammonia-N (350.1)	Total Rec. Phenolics (420.4)	Spec. Cond. (2510B)	TDS (2540C)	TOC (5310C) & TOX (9020B)	Field pH
38663B	440-181553-1	I-T 040617	440-181553-6	Water	4/6/2017		Stage 2A			X		X		X	X				X		X
38663B	440-181553-1	I-G 040617	440-181553-7	Water	4/6/2017		Stage 2A			X		X		X	X				X		X
38663B	440-181553-1	I-Q 040617	440-181553-8	Water	4/6/2017		Stage 2A			X		X		X	X				X		X
38663B	440-181553-1	I-E 040617	440-181553-9	Water	4/6/2017		Stage 2A			X		X		X	X				X		X
38663B	440-181553-1	I-N 040617	440-181553-10	Water	4/6/2017		Stage 2A			X		X		X	X				X		X
38663B	440-181553-1	I-X 040617	440-181553-11	Water	4/6/2017		Stage 2A			X		X		X	X				X		X
38663B	440-181553-1	I-F 040617	440-181553-12	Water	4/6/2017		Stage 2A			X		X		X	X				X		X
38663C	440-181868-1	I-M 041117	440-181868-1	Water	4/11/2017		Stage 2A			X		X		X	X				X		X
38663C	440-181868-1	I-D 041117	440-181868-2	Water	4/11/2017		Stage 2A			X		X		X	X				X		X
38663C	440-181868-1	I-C 041117	440-181868-3	Water	4/11/2017		Stage 2A			X		X		X	X				X		X
38663C	440-181868-1	I-S 041117	440-181868-4	Water	4/11/2017		Stage 2A			X		X		X	X				X		X
38663C	440-181868-1	I-L 041117	440-181868-5	Water	4/11/2017		Stage 2A			X		X		X	X				X		X
38663C	440-181868-1	I-Y 041117	440-181868-6	Water	4/11/2017		Stage 2A			X		X		X	X				X		X
38663C	440-181868-1	I-R 041117	440-181868-7	Water	4/11/2017		Stage 2A			X		X		X	X				X		X
38663C	440-181868-1	I-B 041117	440-181868-8	Water	4/11/2017		Stage 2A			X		X		X	X				X		X
38663C	440-181868-1	I-AB 041117	440-181868-9	Water	4/11/2017		Stage 2A			X		X		X	X				X		X
38663C	440-181868-1	I-AA 041117	440-181868-10	Water	4/11/2017		Stage 2A			X		X		X	X				X		X
38663C	440-181868-1	I-AR 041117	440-181868-11	Water	4/11/2017		Stage 2A			X		X		X	X				X		X
38663D	440-182006-1	PC-99R2/R3 041217	440-182006-1	Water	4/12/2017		Stage 2A			X		X		X	X				X		X
38663D	440-182006-1	PC-115R 041217	440-182006-2	Water	4/12/2017		Stage 2A			X		X		X	X				X		X
38663D	440-182006-1	PC-116R 041217	440-182006-3	Water	4/12/2017		Stage 2A			X		X		X	X				X		X
38663D	440-182006-1	PC-117 041217	440-182006-4	Water	4/12/2017		Stage 2A			X		X		X	X				X		X
38663D	440-182006-1	PC-118 041217	440-182006-5	Water	4/12/2017		Stage 2A			X		X		X	X				X		X
38663D	440-182006-1	PC-119 041217	440-182006-6	Water	4/12/2017	FD21	Stage 2A			X		X		X	X				X		X
38663D	440-182006-1	PC-120 041217	440-182006-7	Water	4/12/2017		Stage 2A			X		X		X	X				X		X
38663D	440-182006-1	PC-121 041217	440-182006-8	Water	4/12/2017		Stage 2A			X		X		X	X				X		X
38663D	440-182006-1	PC-118 041217-EB	440-182006-9	Water	4/12/2017	EB	Stage 2A			X		X		X	X				X		X
38663D	440-182006-1	PC-119 041217-FD	440-182006-10	Water	4/12/2017	FD21	Stage 2A			X		X		X	X				X		X
38663E	440-182094-1	PC-99R2/R3-041217	440-182094-1	Water	4/12/2017		Stage 2A				X										

Table I. Sample Cross-Reference

LDC	SDG	Client Sample ID	Lab Sample ID	Matrix	Sample Date	QC Type	Validation Level	VOC (8260B & 8260B-SIM)	Metals (200.7)	Cr (200.7)	Cr (VI) (218.6)	Anions (300.0)	NO_3/NO_2-N & TIN (Calc)	Chlorate (300.1B)	Perchlorate (314.0)	Ammonia-N (350.1)	Total Rec. Phenolics (420.4)	Spec. Cond. (2510B)	TDS (2540C)	TOC (5310C) & TOX (9020B)	Field pH
38663E	440-182094-1	PC-115R-041217	440-182094-2	Water	4/12/2017		Stage 2A				X										
38663E	440-182094-1	PC-116R-041217	440-182094-3	Water	4/12/2017		Stage 2A				X										
38663E	440-182094-1	PC-117-041217	440-182094-4	Water	4/12/2017		Stage 2A				X										
38663E	440-182094-1	PC-118-041217	440-182094-5	Water	4/12/2017		Stage 2A				X										
38663E	440-182094-1	PC-119-041217	440-182094-6	Water	4/12/2017	FD22	Stage 2A				X										
38663E	440-182094-1	PC-120-041217	440-182094-7	Water	4/12/2017		Stage 2A				X										
38663E	440-182094-1	PC-121-041217	440-182094-8	Water	4/12/2017		Stage 2A				X										
38663E	440-182094-1	PC-118 041217EB	440-182094-9	Water	4/12/2017	EB	Stage 2A				X										
38663E	440-182094-1	PC-119 041217FD	440-182094-10	Water	4/12/2017	FD22	Stage 2A				X										
38663F	440-182125-1	ART-1A 041317	440-182125-1	Water	4/13/2017		Stage 2A			X		X		X	X				X		X
38663F	440-182125-1	ART-2 041317	440-182125-2	Water	4/13/2017		Stage 2A			X		X		X	X				X		X
38663F	440-182125-1	ART-3A 041317	440-182125-3	Water	4/13/2017		Stage 2A			X		X		X	X				X		X
38663F	440-182125-1	ART-4 041317	440-182125-4	Water	4/13/2017		Stage 2A			X		X		X	X				X		X
38663F	440-182125-1	ART-6 041317	440-182125-5	Water	4/13/2017		Stage 2A			X		X		X	X				X		X
38663F	440-182125-1	ART-7B 041317	440-182125-6	Water	4/13/2017		Stage 2A			X		X		X	X				X		X
38663F	440-182125-1	ART-8A 041317	440-182125-7	Water	4/13/2017	FD23	Stage 2A			X		X		X	X				X		X
38663F	440-182125-1	ART-9 041317	440-182125-8	Water	4/13/2017		Stage 2A			X		X		X	X				X		X
38663F	440-182125-1	PC-150 041317	440-182125-9	Water	4/13/2017		Stage 2A			X		X		X	X				X		X
38663F	440-182125-1	PC-133 041317	440-182125-10	Water	4/13/2017		Stage 2A			X		X		X	X				X		X
38663F	440-182125-1	PC-150 041317-EB	440-182125-11	Water	4/13/2017	EB	Stage 2A			X		X		X	X				X		X
38663F	440-182125-1	ART-8A 041317-FD	440-182125-12	Water	4/13/2017	FD23	Stage 2A			X		X		X	X				X		X
38663G	440-183052-1	I-AC-040517	440-183052-1	Water	4/5/2017		Stage 2A				X										
38663G	440-183052-1	I-K-040517	440-183052-2	Water	4/5/2017		Stage 2A				X										
38663G	440-183052-1	I-J-040517	440-183052-3	Water	4/5/2017		Stage 2A				X										
38663G	440-183052-1	I-Z-040517	440-183052-4	Water	4/5/2017		Stage 2A				X										
38663G	440-183052-1	I-I-040517	440-183052-5	Water	4/5/2017	FD24	Stage 2A				X										
38663G	440-183052-1	I-V-040517	440-183052-6	Water	4/5/2017		Stage 2A				X										
38663G	440-183052-1	I-V-040517-EB	440-183052-7	Water	4/5/2017	EB	Stage 2A				X										
38663G	440-183052-1	I-I-040517-FD	440-183052-8	Water	4/5/2017	FD24	Stage 2A				X										

Table I. Sample Cross-Reference

LDC	SDG	Client Sample ID	Lab Sample ID	Matrix	Sample Date	QC Type	Validation Level	VOC (8260B & 8260B-SIM)	Metals (200.7)	Cr (200.7)	Cr (VI) (218.6)	Anions (300.0)	NO_3/NO_2-N & TIN (Calc)	Chlorate (300.1B)	Perchlorate (314.0)	Ammonia-N (350.1)	Total Rec. Phenolics (420.4)	Spec. Cond. (2510B)	TDS (2540C)	TOC (5310C) & TOX (9020B)	Field pH
38663G	440-183052-1	I-AD-040517	440-183052-9	Water	4/5/2017		Stage 2A				X										
38663H	440-183054-1	I-O-040617	440-183054-1	Water	4/6/2017		Stage 2A				X										
38663H	440-183054-1	I-W-040617	440-183054-2	Water	4/6/2017		Stage 2A				X										
38663H	440-183054-1	I-P-040617	440-183054-3	Water	4/6/2017		Stage 2A				X										
38663H	440-183054-1	I-H-040617	440-183054-4	Water	4/6/2017		Stage 2A				X										
38663H	440-183054-1	I-U-040617	440-183054-5	Water	4/6/2017		Stage 2A				X										
38663H	440-183054-1	I-T-040617	440-183054-6	Water	4/6/2017		Stage 2A				X										
38663H	440-183054-1	I-G-040617	440-183054-7	Water	4/6/2017		Stage 2A				X										
38663H	440-183054-1	I-Q-040617	440-183054-8	Water	4/6/2017		Stage 2A				X										
38663H	440-183054-1	I-E-040617	440-183054-9	Water	4/6/2017		Stage 2A				X										
38663H	440-183054-1	I-N-040617	440-183054-10	Water	4/6/2017		Stage 2A				X										
38663H	440-183054-1	I-X-040617	440-183054-11	Water	4/6/2017		Stage 2A				X										
38663H	440-183054-1	I-F-040617	440-183054-12	Water	4/6/2017		Stage 2A				X										
38663I	440-183055-1	I-M-041117	440-183055-1	Water	4/11/2017		Stage 2A				X										
38663I	440-183055-1	I-D-041117	440-183055-2	Water	4/11/2017		Stage 2A				X										
38663I	440-183055-1	I-C-041117	440-183055-3	Water	4/11/2017		Stage 2A				X										
38663I	440-183055-1	I-S-041117	440-183055-4	Water	4/11/2017		Stage 2A				X										
38663I	440-183055-1	I-L-041117	440-183055-5	Water	4/11/2017		Stage 2A				X										
38663I	440-183055-1	I-Y-041117	440-183055-6	Water	4/11/2017		Stage 2A				X										
38663I	440-183055-1	I-R-041117	440-183055-7	Water	4/11/2017		Stage 2A				X										
38663I	440-183055-1	I-B-041117	440-183055-8	Water	4/11/2017		Stage 2A				X										
38663I	440-183055-1	I-AB-041117	440-183055-9	Water	4/11/2017		Stage 2A				X										
38663I	440-183055-1	I-AA-041117	440-183055-10	Water	4/11/2017		Stage 2A				X										
38663I	440-183055-1	I-AR-041117	440-183055-11	Water	4/11/2017		Stage 2A				X										
38663J	440-183057-1	ART-1A-041317	440-183057-1	Water	4/13/2017		Stage 2A				X										
38663J	440-183057-1	ART-2-041317	440-183057-2	Water	4/13/2017		Stage 2A				X										
38663J	440-183057-1	ART-3A-041317	440-183057-3	Water	4/13/2017		Stage 2A				X										
38663J	440-183057-1	ART-4-041317	440-183057-4	Water	4/13/2017		Stage 2A				X										
38663J	440-183057-1	ART-6-041317	440-183057-5	Water	4/13/2017		Stage 2A				X										

Table I. Sample Cross-Reference

LDC	SDG	Client Sample ID	Lab Sample ID	Matrix	Sample Date	QC Type	Validation Level	VOC (8260B & 8260B-SIM)	Metals (200.7)	Cr (200.7)	Cr (VI) (218.6)	Anions (300.0)	NO_3/NO_2-N & TIN (Calc)	Chlorate (300.1B)	Perchlorate (314.0)	Ammonia-N (350.1)	Total Rec. Phenolics (420.4)	Spec. Cond. (2510B)	TDS (2540C)	TOC (5310C) & TOX (9020B)	Field pH
38663J	440-183057-1	ART-7B-041317	440-183057-6	Water	4/13/2017		Stage 2A				X										
38663J	440-183057-1	ART-8A-20170413	440-183057-7	Water	4/13/2017		Stage 2A				X										
38663J	440-183057-1	ART-9-041317	440-183057-8	Water	4/13/2017		Stage 2A				X										
38663J	440-183057-1	PC-150-041317	440-183057-9	Water	4/13/2017		Stage 2A				X										
38663J	440-183057-1	PC-133-041317	440-183057-10	Water	4/13/2017		Stage 2A				X										
38663J	440-183057-1	PC-150-041317-EB	440-183057-11	Water	4/13/2017	EB	Stage 2A				X										
38663J	440-183057-1	ART-8A-041317-FB	440-183057-12	Water	4/13/2017	FB	Stage 2A				X										
38906B	440-183517-1	PC-79-20170502	440-183517-1	Water	5/2/2017		Stage 2A			X		X		X	X				X		
38906B	440-183517-1	PC-62-20170502	440-183517-2	Water	5/2/2017		Stage 2A			X		X		X	X				X		
38906C	440-183520-1	PC-157B-20170502	440-183520-1	Water	5/2/2017		Stage 2A			X		X		X	X				X		
38906D	440-183527-1	PC-97-20170502	440-183527-1	Water	5/2/2017		Stage 2A			X		X		X	X				X		
38906D	440-183527-1	PC-82-20170502	440-183527-2	Water	5/2/2017		Stage 2A					X		X	X				X		
38906D	440-183527-1	PC-97-20170502-TB1	440-183527-3	Water	5/2/2017	TB	Stage 2A														
38906E	440-183570-1	I-V-050317	440-183570-1	Water	5/3/2017		Stage 2A			X		X		X	X				X		X
38906E	440-183570-1	I-I-050317	440-183570-2	Water	5/3/2017		Stage 2A			X		X		X	X				X		X
38906E	440-183570-1	I-Z-050317	440-183570-3	Water	5/3/2017		Stage 2A			X		X		X	X				X		X
38906E	440-183570-1	I-J-050317	440-183570-4	Water	5/3/2017		Stage 2A			X		X		X	X				X		X
38906E	440-183570-1	I-K-050317	440-183570-5	Water	5/3/2017		Stage 2A			X		X		X	X				X		X
38906E	440-183570-1	I-AC-050317	440-183570-6	Water	5/3/2017		Stage 2A			X		X		X	X				X		X
38906E	440-183570-1	I-AD-050317	440-183570-7	Water	5/3/2017		Stage 2A			X		X		X	X				X		X
38906F	440-183593-1	PC-155A-20170503	440-183593-1	Water	5/3/2017		Stage 2A			X		X		X	X				X		
38906F	440-183593-1	PC-157A-20170503	440-183593-2	Water	5/3/2017		Stage 2A			X		X		X	X				X		
38906F	440-183593-1	PC-157A-20170503-EB5	440-183593-3	Water	5/3/2017	EB	Stage 2A			X		X		X	X				X		
38906F	440-183593-1	PC-156B-20170503	440-183593-4	Water	5/3/2017		Stage 2A			X		X		X	X				X		
38906F	440-183593-1	PC-156A-20170503	440-183593-5	Water	5/3/2017		Stage 2A			X		X		X	X				X		
38906F	440-183593-1	PC-53-20170503	440-183593-6	Water	5/3/2017		Stage 2A			X		X		X	X				X		
38906F	440-183593-1	PC-155A-20170503-TB2	440-183593-7	Water	5/3/2017	TB	Stage 2A														
38906G	440-183598-1	PC-155B-20170503	440-183598-1	Water	5/3/2017		Stage 2A			X		X		X	X				X		
38906G	440-183598-1	PC-96-20170503	440-183598-2	Water	5/3/2017	FD25	Stage 2A					X		X	X				X		

Table I. Sample Cross-Reference

LDC	SDG	Client Sample ID	Lab Sample ID	Matrix	Sample Date	QC Type	Validation Level	VOC (8260B & 8260B-SIM)	Metals (200.7)	Cr (200.7)	Cr (VI) (218.6)	Anions (300.0)	NO_3/NO_2-N & TIN (Calc)	Chlorate (300.1B)	Perchlorate (314.0)	Ammonia-N (350.1)	Total Rec. Phenolics (420.4)	Spec. Cond. (2510B)	TDS (2540C)	TOC (5310C) & TOX (9020B)	Field pH
38906G	440-183598-1	PC-96-20170503-FD15	440-183598-3	Water	5/3/2017	FD25	Stage 2A					X		X	X				X		
38906G	440-183598-1	PC-86-20170503	440-183598-4	Water	5/3/2017		Stage 2A			X		X		X	X				X		
38906G	440-183598-1	PC-110-20170503	440-183598-5	Water	5/3/2017		Stage 2A					X		X	X				X		
38906G	440-183598-1	PC-103-20170503	440-183598-6	Water	5/3/2017		Stage 2A			X		X		X	X				X		
38906H	440-183605-1	DBMW-4-20170503	440-183605-1	Water	5/3/2017	FD26	Stage 2A			X		X		X	X				X		
38906H	440-183605-1	DBMW-4-20170503-FD6	440-183605-2	Water	5/3/2017	FD26	Stage 2A			X		X		X	X				X		
38906H	440-183605-1	PC-58-20170503	440-183605-3	Water	5/3/2017		Stage 2A			X		X		X	X				X		
38906H	440-183605-1	PC-56-20170503	440-183605-4	Water	5/3/2017		Stage 2A			X		X		X	X				X		
38906H	440-183605-1	PC-74-20170503	440-183605-5	Water	5/3/2017		Stage 2A					X		X	X				X		
38906H	440-183605-1	PC-77-20170503	440-183605-6	Water	5/3/2017		Stage 2A					X		X	X				X		
38906I	440-183608-1	PC-59-20170503	440-183608-1	Water	5/3/2017		Stage 2A			X		X		X	X				X		
38906I	440-183608-1	PC-60-20170503	440-183608-2	Water	5/3/2017		Stage 2A			X		X		X	X				X		
38906I	440-183608-1	PC-108-20170503	440-183608-3	Water	5/3/2017		Stage 2A					X		X	X				X		
38906I	440-183608-1	PC-59-20170503-TB3	440-183608-4	Water	5/3/2017	TB	Stage 2A														
38906J	440-183612-1	PC-91-20170503	440-183612-1	Water	5/3/2017		Stage 2A			X		X		X	X				X		
38906J	440-183612-1	PC-94-20170503	440-183612-2	Water	5/3/2017		Stage 2A			X		X		X	X				X		
38906J	440-183612-1	PC-90-20170503	440-183612-3	Water	5/3/2017		Stage 2A			X		X		X	X				X		
38906J	440-183612-1	PC-90-20170503-FB5	440-183612-4	Water	5/3/2017	FB	Stage 2A			X		X		X	X				X		
38906J	440-183612-1	PC-136-20170503	440-183612-5	Water	5/3/2017		Stage 2A			X		X		X	X				X		
38906J	440-183612-1	PC-134A-20170503	440-183612-6	Water	5/3/2017		Stage 2A			X		X		X	X				X		
38906K	440-183687-1	I-O-05417	440-183687-1	Water	5/4/2017		Stage 2A			X		X		X	X				X		X
38906K	440-183687-1	I-W-05417	440-183687-2	Water	5/4/2017		Stage 2A			X		X		X	X				X		X
38906K	440-183687-1	I-P-05417	440-183687-3	Water	5/4/2017		Stage 2A			X		X		X	X				X		X
38906K	440-183687-1	I-H-05417	440-183687-4	Water	5/4/2017	FD27	Stage 2A			X		X		X	X				X		X
38906K	440-183687-1	I-H-05417FD	440-183687-5	Water	5/4/2017	FD27	Stage 2A			X		X		X	X				X		X
38906K	440-183687-1	I-U-05417	440-183687-6	Water	5/4/2017		Stage 2A			X		X		X	X				X		X
38906K	440-183687-1	I-T-05417	440-183687-7	Water	5/4/2017		Stage 2A			X		X		X	X				X		X
38906K	440-183687-1	I-G-05417	440-183687-8	Water	5/4/2017		Stage 2A			X		X		X	X				X		X
38906K	440-183687-1	I-Q-05417	440-183687-9	Water	5/4/2017		Stage 2A			X		X		X	X				X		X

Table I. Sample Cross-Reference

LDC	SDG	Client Sample ID	Lab Sample ID	Matrix	Sample Date	QC Type	Validation Level	VOC (8260B & 8260B-SIM)	Metals (200.7)	Cr (200.7)	Cr (VI) (218.6)	Anions (300.0)	NO_3/NO_2-N & TIN (Calc)	Chlorate (300.1B)	Perchlorate (314.0)	Ammonia-N (350.1)	Total Rec. Phenolics (420.4)	Spec. Cond. (2510B)	TDS (2540C)	TOC (5310C) & TOX (9020B)	Field pH
38906K	440-183687-1	I-Q-05417EB	440-183687-10	Water	5/4/2017	EB	Stage 2A			X		X		X	X				X		X
38906K	440-183687-1	I-F-05417	440-183687-11	Water	5/4/2017		Stage 2A			X		X		X	X				X		X
38906K	440-183687-1	I-X-05417	440-183687-12	Water	5/4/2017		Stage 2A			X		X		X	X				X		X
38906L	440-183695-1	ARP-3A-20170504	440-183695-1	Water	5/4/2017		Stage 2A			X		X		X	X				X		
38906L	440-183695-1	ARP-2A-20170504	440-183695-2	Water	5/4/2017		Stage 2A			X		X		X	X				X		
38906L	440-183695-1	PC-134D-20170504	440-183695-3	Water	5/4/2017		Stage 2A			X		X		X	X				X		
38906L	440-183695-1	M-44-20170504	440-183695-4	Water	5/4/2017		Stage 2A			X	X	X		X	X				X		
38906L	440-183695-1	M-136-20170504	440-183695-5	Water	5/4/2017		Stage 2A			X		X		X	X				X		
38906M	440-183697-1	HM-2-20170504	440-183697-1	Water	5/4/2017	FD28	Stage 2A			X		X		X	X				X		
38906M	440-183697-1	PC-137D-20170504	440-183697-2	Water	5/4/2017		Stage 2A			X		X		X	X				X		
38906M	440-183697-1	HM-2-20170504-FD5	440-183697-3	Water	5/4/2017	FD28	Stage 2A			X		X		X	X				X		
38906N	440-183698-1	ARP-5A-20170504	440-183698-1	Water	5/4/2017		Stage 2A			X		X		X	X				X		
38906N	440-183698-1	PC-122-20170504	440-183698-2	Water	5/4/2017		Stage 2A			X		X		X	X				X		
38906N	440-183698-1	PC-122-20170504-EB6	440-183698-3	Water	5/4/2017	EB	Stage 2A			X		X		X	X				X		
38906N	440-183698-1	PC-142-20170504	440-183698-4	Water	5/4/2017		Stage 2A			X		X		X	X				X		
38906N	440-183698-1	PC-55-20170504	440-183698-5	Water	5/4/2017		Stage 2A			X		X		X	X				X		
38906N	440-183698-1	PC-159-20170504	440-183698-6	Water	5/4/2017		Stage 2A			X		X		X	X				X		
38906N	440-183698-1	ARP-5A-20170504-TB5	440-183698-7	Water	5/4/2017	TB	Stage 2A														
38906O	440-183699-1	ARP-6B-20170504	440-183699-1	Water	5/4/2017		Stage 2A			X		X		X	X				X		
38906O	440-183699-1	ARP-4A-20170504	440-183699-2	Water	5/4/2017		Stage 2A			X		X		X	X				X		
38906O	440-183699-1	ARP-4A-20170504-EB7	440-183699-3	Water	5/4/2017	EB	Stage 2A			X		X		X	X				X		
38906O	440-183699-1	ARP-1-20170504	440-183699-4	Water	5/4/2017		Stage 2A			X		X		X	X				X		
38906O	440-183699-1	PC-148-20170504	440-183699-5	Water	5/4/2017		Stage 2A			X		X		X	X				X		
38906O	440-183699-1	ARP-6B-20170504-TB6	440-183699-6	Water	5/4/2017	TB	Stage 2A														
38906P	440-183700-1	PC-2-20170504	440-183700-1	Water	5/4/2017		Stage 2A			X		X		X	X				X		
38906P	440-183700-1	PC-4-20170504	440-183700-2	Water	5/4/2017		Stage 2A			X		X		X	X				X		
38906P	440-183700-1	MW-K4-20170504	440-183700-3	Water	5/4/2017		Stage 2A			X		X		X	X				X		
38906P	440-183700-1	PC-135A-20170504	440-183700-4	Water	5/4/2017		Stage 2A			X		X		X	X				X		
38906P	440-183700-1	ARP-7-20170504	440-183700-5	Water	5/4/2017		Stage 2A			X		X		X	X				X		

Table I. Sample Cross-Reference

LDC	SDG	Client Sample ID	Lab Sample ID	Matrix	Sample Date	QC Type	Validation Level	VOC (8260B & 8260B-SIM)	Metals (200.7)	Cr (200.7)	Cr (VI) (218.6)	Anions (300.0)	NO_3/NO_2-N & TIN (Calc)	Chlorate (300.1B)	Perchlorate (314.0)	Ammonia-N (350.1)	Total Rec. Phenolics (420.4)	Spec. Cond. (2510B)	TDS (2540C)	TOC (5310C) & TOX (9020B)	Field pH
38906Q	440-183701-1	PC-98R-20170504	440-183701-1	Water	5/4/2017		Stage 2A			X		X		X	X				X		
38906Q	440-183701-1	MW-K5-20170504	440-183701-2	Water	5/4/2017		Stage 2A			X		X		X	X				X		
38906Q	440-183701-1	PC-144-20170504	440-183701-3	Water	5/4/2017		Stage 2A			X		X		X	X				X		
38906Q	440-183701-1	PC-18-20170504	440-183701-4	Water	5/4/2017		Stage 2A			X		X		X	X				X		
38906Q	440-183701-1	PC-160-20170504	440-183701-5	Water	5/4/2017		Stage 2A			X		X		X	X				X		
38906Q	440-183701-1	PC-98R-20170504-TB7	440-183701-6	Water	5/4/2017	TB	Stage 2A														
38906R	440-183719-1/N024093	I-O-050417	440-183719-1	Water	5/4/2017		Stage 2A				X										
38906R	440-183719-1/N024093	I-W-050417	440-183719-2	Water	5/4/2017		Stage 2A				X										
38906R	440-183719-1/N024093	I-P-050417	440-183719-3	Water	5/4/2017		Stage 2A				X										
38906R	440-183719-1/N024093	I-H-050417	440-183719-4	Water	5/4/2017	FD29	Stage 2A				X										
38906R	440-183719-1/N024093	I-H-050417-FD	440-183719-5	Water	5/4/2017	FD29	Stage 2A				X										
38906R	440-183719-1/N024093	I-U-050417	440-183719-6	Water	5/4/2017		Stage 2A				X										
38906R	440-183719-1/N024093	I-T-050417	440-183719-7	Water	5/4/2017		Stage 2A				X										
38906R	440-183719-1/N024093	I-G-050417	440-183719-8	Water	5/4/2017		Stage 2A				X										
38906R	440-183719-1/N024093	I-Q-050417	440-183719-9	Water	5/4/2017		Stage 2A				X										
38906R	440-183719-1/N024093	I-Q-050417-EB	440-183719-10	Water	5/4/2017	EB	Stage 2A				X										
38906R	440-183719-1/N024093	I-F-050417	440-183719-11	Water	5/4/2017		Stage 2A				X										
38906R	440-183719-1/N024093	I-X-050417	440-183719-12	Water	5/4/2017		Stage 2A				X										
38906S	440-183798-1	PC-152-20170505	440-183798-1	Water	5/5/2017		Stage 2A	X		X		X		X	X				X		
38906S	440-183798-1	PC-132-20170505	440-183798-2	Water	5/5/2017		Stage 2A	X		X		X		X	X				X		
38906S	440-183798-1	PC-151-20170505	440-183798-3	Water	5/5/2017		Stage 2A	X		X		X		X	X				X		
38906S	440-183798-1	PC-152-20170505-TB9	440-183798-4	Water	5/5/2017	TB	Stage 2A	X													
38906T	440-183801-1	PC-145-20170505	440-183801-1	Water	5/5/2017		Stage 2A	X		X		X		X	X				X		
38906T	440-183801-1	PC-137-20170505	440-183801-2	Water	5/5/2017		Stage 2A	X		X		X		X	X				X		
38906T	440-183801-1	PC-127-20170505	440-183801-3	Water	5/5/2017		Stage 2A	X		X		X		X	X				X		
38906T	440-183801-1	PC-127-20170505-FB7	440-183801-4	Water	5/5/2017	FB	Stage 2A	X		X		X		X	X				X		
38906T	440-183801-1	PC-154-20170505	440-183801-5	Water	5/5/2017		Stage 2A	X		X		X		X	X				X		
38906U	440-183803-1	PC-66-20170505	440-183803-1	Water	5/5/2017		Stage 2A	X		X		X		X	X				X		
38906U	440-183803-1	PC-128-20170505	440-183803-2	Water	5/5/2017		Stage 2A	X		X		X		X	X				X		

Table I. Sample Cross-Reference

LDC	SDG	Client Sample ID	Lab Sample ID	Matrix	Sample Date	QC Type	Validation Level	VOC (8260B & 8260B-SIM)	Metals (200.7)	Cr (200.7)	Cr (VI) (218.6)	Anions (300.0)	NO_3/NO_2-N & TIN (Calc)	Chlorate (300.1B)	Perchlorate (314.0)	Ammonia-N (350.1)	Total Rec. Phenolics (420.4)	Spec. Cond. (2510B)	TDS (2540C)	TOC (5310C) & TOX (9020B)	Field pH
38906U	440-183803-1	PC-129-20170505	440-183803-3	Water	5/5/2017		Stage 2A	X		X		X		X	X				X		
38906U	440-183803-1	PC-130-20170505	440-183803-4	Water	5/5/2017		Stage 2A	X		X		X		X	X				X		
38906U	440-183803-1	PC-66-20170505-TB10	440-183803-5	Water	5/5/2017	TB	Stage 2A	X													
38906V	440-183807-1	PC-149-20170505	440-183807-1	Water	5/5/2017		Stage 2A	X		X		X		X	X				X		
38906V	440-183807-1	PC-149-20170505-FB6	440-183807-2	Water	5/5/2017	FB	Stage 2A	X		X		X		X	X				X		
38906V	440-183807-1	PC-131-20170505	440-183807-3	Water	5/5/2017		Stage 2A	X		X		X		X	X				X		
38906V	440-183807-1	HMW-15-20170505	440-183807-4	Water	5/5/2017		Stage 2A	X		X		X		X	X				X		
38906V	440-183807-1	PC-149-20170505-TB8	440-183807-5	Water	5/5/2017	TB	Stage 2A	X													
38906W	440-183808-1	PC-123-20170505	440-183808-1	Water	5/5/2017		Stage 2A	X		X		X		X	X				X		
38906W	440-183808-1	PC-124-20170505	440-183808-2	Water	5/5/2017	FD30	Stage 2A	X		X		X		X	X				X		
38906W	440-183808-1	PC-124-20170505-FD8	440-183808-3	Water	5/5/2017	FD30	Stage 2A	X		X		X		X	X				X		
38906W	440-183808-1	PC-125-20170505	440-183808-4	Water	5/5/2017		Stage 2A	X		X		X		X	X				X		
38906W	440-183808-1	M-152-20170505	440-183808-5	Water	5/5/2017		Stage 2A	X		X		X		X	X				X		
38906W	440-183808-1	M-156-20170505	440-183808-6	Water	5/5/2017		Stage 2A	X		X		X		X	X				X		
38906W	440-183808-1	M-156-20170505-EB8	440-183808-7	Water	5/5/2017	EB	Stage 2A	X		X		X		X	X				X		
38906X	440-183809-1	PC-126-20170505	440-183809-1	Water	5/5/2017	FD31	Stage 2A	X		X		X		X	X				X		
38906X	440-183809-1	PC-126-20170505-FD7	440-183809-2	Water	5/5/2017	FD31	Stage 2A	X		X		X		X	X				X		
38906X	440-183809-1	PC-24-20170505	440-183809-3	Water	5/5/2017		Stage 2A	X		X		X		X	X				X		
38906X	440-183809-1	PC-143-20170505	440-183809-4	Water	5/5/2017		Stage 2A	X		X		X		X	X				X		
38906X	440-183809-1	PC-158-20170505	440-183809-5	Water	5/5/2017		Stage 2A	X		X		X		X	X				X		
38906X	440-183809-1	HMW-16-20170505	440-183809-6	Water	5/5/2017		Stage 2A	X				X		X	X				X		
38906Y	440-183891-1	AA-01-20170508	440-183891-1	Water	5/8/2017		Stage 2A	X				X		X	X				X		
38906Y	440-183891-1	PC-65-20170508	440-183891-2	Water	5/8/2017		Stage 2A	X		X		X		X	X				X		
38906Y	440-183891-1	PC-21A-20170508	440-183891-3	Water	5/8/2017		Stage 2A	X		X		X		X	X				X		
38906Y	440-183891-1	PC-21A-20170508-EB9	440-183891-4	Water	5/8/2017	EB	Stage 2A	X		X		X		X	X				X		
38906Z	440-183892-1	PC-101R-20170508	440-183892-1	Water	5/8/2017		Stage 2A	X		X		X		X	X				X		
38906Z	440-183892-1	PC-101R-20170508-FB8	440-183892-2	Water	5/8/2017	FB	Stage 2A	X		X		X		X	X				X		
38906Z	440-183892-1	PC-64-20170508	440-183892-3	Water	5/8/2017		Stage 2A	X		X		X		X	X				X		
38906Z	440-183892-1	H-48-20170508	440-183892-4	Water	5/8/2017		Stage 2A	X		X		X		X	X				X		

Table I. Sample Cross-Reference

LDC	SDG	Client Sample ID	Lab Sample ID	Matrix	Sample Date	QC Type	Validation Level	VOC (8260B & 8260B-SIM)	Metals (200.7)	Cr (200.7)	Cr (VI) (218.6)	Anions (300.0)	NO_3/NO_2-N & TIN (Calc)	Chlorate (300.1B)	Perchlorate (314.0)	Ammonia-N (350.1)	Total Rec. Phenolics (420.4)	Spec. Cond. (2510B)	TDS (2540C)	TOC (5310C) & TOX (9020B)	Field pH
38906Z	440-183892-1	MC-69-20170508	440-183892-5	Water	5/8/2017		Stage 2A	X				X		X	X				X		
38906Z	440-183892-1	PC-101R-20170508-TB13	440-183892-6	Water	5/8/2017	TB	Stage 2A	X													
38912A	440-183893-1	PC-31-20170508	440-183893-1	Water	5/8/2017		Stage 2A	X		X		X		X	X				X		
38912A	440-183893-1	PC-28-20170508	440-183893-2	Water	5/8/2017		Stage 2A	X		X		X		X	X				X		
38912A	440-183893-1	PC-67-20170508	440-183893-3	Water	5/8/2017		Stage 2A	X		X		X		X	X				X		
38912A	440-183893-1	H-58A-20170508	440-183893-4	Water	5/8/2017		Stage 2A	X		X		X		X	X				X		
38912A	440-183893-1	MC-65-20170508	440-183893-5	Water	5/8/2017		Stage 2A	X		X		X		X	X				X		
38912B	440-183894-1	PC-71-20170508	440-183894-1	Water	5/8/2017		Stage 2A	X		X		X		X	X				X		
38912B	440-183894-1	PC-72-20170508	440-183894-2	Water	5/8/2017		Stage 2A	X		X		X		X	X				X		
38912B	440-183894-1	PC-37-20170508	440-183894-3	Water	5/8/2017		Stage 2A	X		X		X		X	X				X		
38912B	440-183894-1	MC-97-20170508	440-183894-4	Water	5/8/2017		Stage 2A	X				X		X	X				X		
38912B	440-183894-1	MC-97-20170508-FB15	440-183894-5	Water	5/8/2017	FB	Stage 2A	X				X		X	X				X		
38912B	440-183894-1	M-23-20170508	440-183894-6	Water	5/8/2017		Stage 2A	X		X		X		X	X				X		
38912B	440-183894-1	PC-73-20170508	440-183894-7	Water	5/8/2017		Stage 2A	X		X		X		X	X				X		
38912B	440-183894-1	PC-71-20170508-TB11	440-183894-8	Water	5/8/2017	TB	Stage 2A	X													
38912C	440-183895-1	PC-107-20170508	440-183895-1	Water	5/8/2017		Stage 2A	X				X		X	X				X		
38912C	440-183895-1	PC-107-20170508-EB15	440-183895-2	Water	5/8/2017	EB	Stage 2A	X				X		X	X				X		
38912C	440-183895-1	PC-54-20170508	440-183895-3	Water	5/8/2017		Stage 2A	X		X		X		X	X				X		
38912C	440-183895-1	M-48A-20170508	440-183895-4	Water	5/8/2017		Stage 2A	X		X		X		X	X				X		
38912C	440-183895-1	M-48A-20170508-FB10	440-183895-5	Water	5/8/2017	FB	Stage 2A	X		X		X		X	X				X		
38912C	440-183895-1	MC-50-20170508	440-183895-6	Water	5/8/2017		Stage 2A	X				X		X	X				X		
38912C	440-183895-1	PC-107-20170508-TB12	440-183895-7	Water	5/8/2017	TB	Stage 2A	X													
38912D	440-184025-1	MW-16-20170509	440-184025-1	Water	5/9/2017	FD32	Stage 2A	X		X		X		X	X				X		
38912D	440-184025-1	MW-16-20170509-FD11	440-184025-2	Water	5/9/2017	FD32	Stage 2A	X		X		X		X	X				X		
38912D	440-184025-1	M-25-20170509	440-184025-3	Water	5/9/2017		Stage 2A	X		X		X		X	X				X		
38912D	440-184025-1	M-37-20170509	440-184025-4	Water	5/9/2017		Stage 2A	X		X	X	X		X	X				X		
38912D	440-184025-1	M-37-20170509-EB4	440-184025-5	Water	5/9/2017	EB	Stage 2A	X		X	X	X		X	X				X		
38912D	440-184025-1	MW-16-20170509-TB14	440-184025-6	Water	5/9/2017	TB	Stage 2A	X													
38912E	440-184027-1	M-79-20170509	440-184027-1	Water	5/9/2017	FD33	Stage 2A	X		X		X		X	X				X		

Table I. Sample Cross-Reference

LDC	SDG	Client Sample ID	Lab Sample ID	Matrix	Sample Date	QC Type	Validation Level	VOC (8260B & 8260B-SIM)	Metals (200.7)	Cr (200.7)	Cr (VI) (218.6)	Anions (300.0)	NO_3/NO_2-N & TIN (Calc)	Chlorate (300.1B)	Perchlorate (314.0)	Ammonia-N (350.1)	Total Rec. Phenolics (420.4)	Spec. Cond. (2510B)	TDS (2540C)	TOC (5310C) & TOX (9020B)	Field pH
38912E	440-184027-1	M-79-20170509-FD9	440-184027-2	Water	5/9/2017	FD33	Stage 2A	X		X		X		X	X				X		
38912E	440-184027-1	M-14A-20170509	440-184027-3	Water	5/9/2017		Stage 2A	X		X		X		X	X				X		
38912E	440-184027-1	M-57A-20170509	440-184027-4	Water	5/9/2017		Stage 2A	X		X		X		X	X				X		
38912E	440-184027-1	PC-40-20170509	440-184027-5	Water	5/9/2017		Stage 2A	X		X		X		X	X				X		
38912E	440-184027-1	M-79-20170509-TB4	440-184027-6	Water	5/9/2017	TB	Stage 2A	X													
38912F	440-184029-1	M-125-20170509	440-184029-1	Water	5/9/2017		Stage 2A	X		X		X		X	X				X		
38912F	440-184029-1	MC-6-20170509	440-184029-2	Water	5/9/2017		Stage 2A	X				X		X	X				X		
38912F	440-184029-1	MC-7-20170509	440-184029-4	Water	5/9/2017		Stage 2A	X				X		X	X				X		
38912G	440-184031-1	MC-3-20170509	440-184031-1	Water	5/9/2017		Stage 2A	X				X		X	X				X		
38912G	440-184031-1	MC-51-20170509	440-184031-2	Water	5/9/2017		Stage 2A	X				X		X	X				X		
38912G	440-184031-1	MC-53-20170509	440-184031-4	Water	5/9/2017		Stage 2A	X		X		X		X	X				X		
38912G	440-184031-1	MC-93-20170509	440-184031-5	Water	5/9/2017		Stage 2A	X				X		X	X				X		
38912G	440-184031-1	MC-3-20170509-TB15	440-184031-6	Water	5/9/2017	TB	Stage 2A	X													
38912H	440-184033-1	I-N-050917	440-184033-1	Water	5/9/2017		Stage 2A			X		X		X	X				X		X
38912H	440-184033-1	I-E-050917	440-184033-2	Water	5/9/2017		Stage 2A			X		X		X	X				X		X
38912H	440-184033-1	I-M-050917	440-184033-3	Water	5/9/2017		Stage 2A			X		X		X	X				X		X
38912H	440-184033-1	I-D-050917	440-184033-4	Water	5/9/2017		Stage 2A			X		X		X	X				X		X
38912H	440-184033-1	I-C-050917	440-184033-5	Water	5/9/2017		Stage 2A			X		X		X	X				X		X
38912H	440-184033-1	I-S-050917	440-184033-6	Water	5/9/2017		Stage 2A			X		X		X	X				X		X
38912H	440-184033-1	I-L-050917	440-184033-7	Water	5/9/2017		Stage 2A			X		X		X	X				X		X
38912I	440-184090-1/N024085	I-V-05317	440-184090-1	Water	5/3/2017		Stage 2A				X										
38912I	440-184090-1/N024085	I-I-05317	440-184090-2	Water	5/3/2017		Stage 2A				X										
38912I	440-184090-1/N024085	I-Z-05317	440-184090-3	Water	5/3/2017		Stage 2A				X										
38912I	440-184090-1/N024085	I-J-05317	440-184090-4	Water	5/3/2017		Stage 2A				X										
38912I	440-184090-1/N024085	I-K-05317	440-184090-5	Water	5/3/2017		Stage 2A				X										
38912I	440-184090-1/N024085	I-AC-05317	440-184090-6	Water	5/3/2017		Stage 2A				X										
38912I	440-184090-1/N024085	I-AD-05317	440-184090-7	Water	5/3/2017		Stage 2A				X										
38912J	440-184132-1	M-73-20170510	440-184132-1	Water	5/10/2017		Stage 2A	X		X		X		X	X				X		
38912J	440-184132-1	M-133-20170510	440-184132-2	Water	5/10/2017		Stage 2A	X		X		X		X	X				X		

Table I. Sample Cross-Reference

LDC	SDG	Client Sample ID	Lab Sample ID	Matrix	Sample Date	QC Type	Validation Level	VOC (8260B & 8260B-SIM)	Metals (200.7)	Cr (200.7)	Cr (VI) (218.6)	Anions (300.0)	NO_3/NO_2-N & TIN (Calc)	Chlorate (300.1B)	Perchlorate (314.0)	Ammonia-N (350.1)	Total Rec. Phenolics (420.4)	Spec. Cond. (2510B)	TDS (2540C)	TOC (5310C) & TOX (9020B)	Field pH
38912J	440-184132-1	M-74-20170510	440-184132-3	Water	5/10/2017		Stage 2A	X		X		X		X	X				X		
38912J	440-184132-1	M-68-20170510	440-184132-4	Water	5/10/2017		Stage 2A	X		X		X		X	X				X		
38912J	440-184132-1	M-67-20170510	440-184132-5	Water	5/10/2017		Stage 2A	X		X		X		X	X				X		
38912J	440-184132-1	M-73-20170510-TB17	440-184132-6	Water	5/10/2017	TB	Stage 2A	X													
38912K	440-184133-1	M-7B-20170510	440-184133-1	Water	5/10/2017		Stage 2A	X	X			X		X	X		X	X	X	X	
38912K	440-184133-1	M-6A-20170510	440-184133-2	Water	5/10/2017		Stage 2A	X	X			X		X	X		X	X	X	X	
38912K	440-184133-1	H-28A-20170510	440-184133-3	Water	5/10/2017		Stage 2A	X	X			X		X	X		X	X	X	X	
38912K	440-184133-1	M-5A-20170510	440-184133-4	Water	5/10/2017		Stage 2A		X								X	X		X	
38912K	440-184133-1	M-7B-20170510-TB19	440-184133-5	Water	5/10/2017	TB	Stage 2A	X													
38912L	440-184134-1	M-161-20170510	440-184134-1	Water	5/10/2017		Stage 2A	X		X		X		X	X				X		
38912L	440-184134-1	TR-4-20170510	440-184134-2	Water	5/10/2017		Stage 2A	X		X		X		X	X				X		
38912L	440-184134-1	M-154-20170510	440-184134-3	Water	5/10/2017		Stage 2A	X		X		X		X	X				X		
38912L	440-184134-1	M-150-20170510	440-184134-4	Water	5/10/2017		Stage 2A	X		X		X		X	X				X		
38912L	440-184134-1	M-162-20170510	440-184134-5	Water	5/10/2017		Stage 2A	X		X		X		X	X				X		
38912L	440-184134-1	M-162-20170510-FB11	440-184134-6	Water	5/10/2017	FB	Stage 2A	X		X		X		X	X				X		
38912L	440-184134-1	M-161-20170510-TB18	440-184134-7	Water	5/10/2017	TB	Stage 2A	X													
38912M	440-184135-1	M-126-20170510	440-184135-1	Water	5/10/2017		Stage 2A	X		X		X		X	X				X		
38912M	440-184135-1	M-22A-20170510	440-184135-2	Water	5/10/2017		Stage 2A	X		X		X		X	X				X		
38912M	440-184135-1	M-134-20170510	440-184135-3	Water	5/10/2017		Stage 2A	X		X		X		X	X				X		
38912M	440-184135-1	M-69-20170510	440-184135-4	Water	5/10/2017		Stage 2A	X		X		X		X	X				X		
38912M	440-184135-1	M-38-20170510	440-184135-5	Water	5/10/2017		Stage 2A	X		X	X	X		X	X				X		
38912M	440-184135-1	M-38-20170510-FB4	440-184135-6	Water	5/10/2017	FB	Stage 2A	X		X	X	X		X	X				X		
38912M	440-184135-1	M-126-20170510-TB16	440-184135-7	Water	5/10/2017	TB	Stage 2A	X													
38912N	440-184136-1	M-135-20170510	440-184136-1	Water	5/10/2017	FD34	Stage 2A	X		X		X		X	X				X		
38912N	440-184136-1	M-135-20170510-FD10	440-184136-2	Water	5/10/2017	FD34	Stage 2A	X		X		X		X	X				X		
38912N	440-184136-1	M-70-20170510	440-184136-3	Water	5/10/2017		Stage 2A	X		X		X		X	X				X		
38912N	440-184136-1	M-71-20170510-FB12	440-184136-4	Water	5/10/2017	FB	Stage 2A	X		X		X		X	X				X		
38912N	440-184136-1	M-71-20170510	440-184136-5	Water	5/10/2017		Stage 2A	X		X		X		X	X				X		
38912N	440-184136-1	M-164-20170510	440-184136-6	Water	5/10/2017		Stage 2A	X		X		X		X	X				X		

Table I. Sample Cross-Reference

LDC	SDG	Client Sample ID	Lab Sample ID	Matrix	Sample Date	QC Type	Validation Level	VOC (8260B & 8260B-SIM)	Metals (200.7)	Cr (200.7)	Cr (VI) (218.6)	Anions (300.0)	NO_3/NO_2-N & TIN (Calc)	Chlorate (300.1B)	Perchlorate (314.0)	Ammonia-N (350.1)	Total Rec. Phenolics (420.4)	Spec. Cond. (2510B)	TDS (2540C)	TOC (5310C) & TOX (9020B)	Field pH
38912O	440-184137-1	M-64-20170510	440-184137-1	Water	5/10/2017		Stage 2A	X		X		X		X	X				X		
38912O	440-184137-1	M-65-20170510	440-184137-2	Water	5/10/2017		Stage 2A	X		X		X		X	X				X		
38912O	440-184137-1	M-66-20170510	440-184137-3	Water	5/10/2017		Stage 2A	X		X		X		X	X				X		
38912O	440-184137-1	M-72-20170510	440-184137-4	Water	5/10/2017		Stage 2A	X		X		X		X	X				X		
38912O	440-184137-1	M-72-20170510-FB9	440-184137-5	Water	5/10/2017	FB	Stage 2A	X		X		X		X	X				X		
38912O	440-184137-1	M-147-20170510	440-184137-6	Water	5/10/2017		Stage 2A	X		X		X		X	X				X		
38912O	440-184137-1	M-19-20170510	440-184137-7	Water	5/10/2017		Stage 2A	X		X		X		X	X				X		
38912O	440-184137-1	M-19-20170510-EB11	440-184137-8	Water	5/10/2017	EB	Stage 2A	X		X		X		X	X				X		
38912O	440-184137-1	M-64-20170510-TB20	440-184137-9	Water	5/10/2017	TB	Stage 2A	X													
38912P	440-184139-1	ART-1A-051017	440-184139-1	Water	5/10/2017		Stage 2A			X		X		X	X				X		X
38912P	440-184139-1	ART-2-051017	440-184139-2	Water	5/10/2017	FD35	Stage 2A			X		X		X	X				X		X
38912P	440-184139-1	ART-3A-051017	440-184139-3	Water	5/10/2017		Stage 2A			X		X		X	X				X		X
38912P	440-184139-1	ART-4A-051017	440-184139-4	Water	5/10/2017		Stage 2A			X		X		X	X				X		X
38912P	440-184139-1	ART-6-051017	440-184139-5	Water	5/10/2017		Stage 2A			X		X		X	X				X		X
38912P	440-184139-1	ART-7A-051017	440-184139-6	Water	5/10/2017		Stage 2A			X		X		X	X				X		X
38912P	440-184139-1	ART-8A-051017	440-184139-7	Water	5/10/2017		Stage 2A			X		X		X	X				X		X
38912P	440-184139-1	ART-9-051017	440-184139-8	Water	5/10/2017		Stage 2A			X		X		X	X				X		X
38912P	440-184139-1	PC-150-051017	440-184139-9	Water	5/10/2017		Stage 2A			X		X		X	X				X		X
38912P	440-184139-1	ART-2-051017-FD	440-184139-10	Water	5/10/2017	FD35	Stage 2A			X		X		X	X				X		X
38912P	440-184139-1	ART-4A-051017-EB	440-184139-11	Water	5/10/2017	EB	Stage 2A			X		X		X	X				X		X
38912Q	440-184143-1	I-Y-051017	440-184143-1	Water	5/10/2017		Stage 2A			X		X		X	X				X		X
38912Q	440-184143-1	I-R-051017	440-184143-2	Water	5/10/2017		Stage 2A			X		X		X	X				X		X
38912Q	440-184143-1	I-B-051017	440-184143-3	Water	5/10/2017		Stage 2A			X		X		X	X				X		X
38912Q	440-184143-1	I-AB-051017	440-184143-4	Water	5/10/2017		Stage 2A			X		X		X	X				X		X
38912Q	440-184143-1	I-AA-051017	440-184143-5	Water	5/10/2017		Stage 2A			X		X		X	X				X		X
38912Q	440-184143-1	I-AR-051017	440-184143-6	Water	5/10/2017		Stage 2A			X		X		X	X				X		X
38912R	440-184295-1	M-5A-20170511	440-184295-1	Water	5/11/2017		Stage 2A	X		X		X		X	X				X		
38912R	440-184295-1	TR-6-20170511	440-184295-2	Water	5/11/2017	FD36	Stage 2A	X		X		X		X	X				X		
38912R	440-184295-1	TR-6-20170511-FD12	440-184295-3	Water	5/11/2017	FD36	Stage 2A	X		X		X		X	X				X		

Table I. Sample Cross-Reference

LDC	SDG	Client Sample ID	Lab Sample ID	Matrix	Sample Date	QC Type	Validation Level	VOC (8260B & 8260B-SIM)	Metals (200.7)	Cr (200.7)	Cr (VI) (218.6)	Anions (300.0)	NO_3/NO_2-N & TIN (Calc)	Chlorate (300.1B)	Perchlorate (314.0)	Ammonia-N (350.1)	Total Rec. Phenolics (420.4)	Spec. Cond. (2510B)	TDS (2540C)	TOC (5310C) & TOX (9020B)	Field pH
38912R	440-184295-1	M-121-20170511	440-184295-4	Water	5/11/2017		Stage 2A	X		X		X		X	X				X		
38912R	440-184295-1	M-118-20170511	440-184295-5	Water	5/11/2017		Stage 2A	X		X		X		X	X				X		
38912R	440-184295-1	M-120-20170511	440-184295-6	Water	5/11/2017		Stage 2A	X		X		X		X	X				X		
38912R	440-184295-1	M-117-20170511	440-184295-7	Water	5/11/2017		Stage 2A	X		X		X		X	X				X		
38912R	440-184295-1	M-103-20170511	440-184295-8	Water	5/11/2017		Stage 2A	X		X		X		X	X				X		
38912R	440-184295-1	M-5A-20170511-TB21	440-184295-9	Water	5/11/2017	TB	Stage 2A	X													
38912S	440-184296-1	M-92-20170511	440-184296-1	Water	5/11/2017		Stage 2A	X		X		X		X	X				X		
38912S	440-184296-1	M-97-20170511	440-184296-2	Water	5/11/2017		Stage 2A	X		X		X		X	X				X		
38912S	440-184296-1	M-145-20170511	440-184296-3	Water	5/11/2017		Stage 2A	X		X		X		X	X				X		
38912S	440-184296-1	M-35-20170511	440-184296-4	Water	5/11/2017		Stage 2A	X		X		X		X	X				X		
38912S	440-184296-1	M-145-20170511-EB10	440-184296-5	Water	5/11/2017	EB	Stage 2A	X		X		X		X	X				X		
38912S	440-184296-1	M-140-20170511	440-184296-6	Water	5/11/2017		Stage 2A	X		X		X		X	X				X		
38912S	440-184296-1	M-92-20170511-TB22	440-184296-7	Water	5/11/2017	TB	Stage 2A	X													
38912T	440-184297-1	M-137-20170511	440-184297-1	Water	5/11/2017		Stage 2A	X		X		X		X	X				X		
38912T	440-184297-1	M-138-20170511	440-184297-2	Water	5/11/2017		Stage 2A	X		X		X		X	X				X		
38912T	440-184297-1	M-81A-20170511	440-184297-3	Water	5/11/2017		Stage 2A	X		X		X		X	X				X		
38912T	440-184297-1	M-80-20170511	440-184297-4	Water	5/11/2017	FD37	Stage 2A	X		X	X	X		X	X				X		
38912T	440-184297-1	M-80-20170511-FD4	440-184297-5	Water	5/11/2017	FD37	Stage 2A	X		X	X	X		X	X				X		
38912U	440-184298-1	TR-2-20170511	440-184298-1	Water	5/11/2017		Stage 2A	X		X		X		X	X				X		
38912U	440-184298-1	M-163-20170511	440-184298-2	Water	5/11/2017		Stage 2A	X		X		X		X	X				X		
38912U	440-184298-1	M-161D-20170511	440-184298-3	Water	5/11/2017		Stage 2A	X		X		X		X	X				X		
38912U	440-184298-1	M-162D-20170511	440-184298-4	Water	5/11/2017		Stage 2A	X		X		X		X	X				X		
38912U	440-184298-1	M-132-20170511	440-184298-5	Water	5/11/2017		Stage 2A	X		X		X		X	X				X		
38912U	440-184298-1	M-165-20170511	440-184298-6	Water	5/11/2017		Stage 2A	X		X		X		X	X				X		
38912U	440-184298-1	TR-2-20170511-TB24	440-184298-7	Water	5/11/2017	TB	Stage 2A	X													
38912V	440-184299-1	M-52-20170511	440-184299-1	Water	5/11/2017		Stage 2A	X		X		X		X	X				X		
38912V	440-184299-1	M-31A-20170511	440-184299-2	Water	5/11/2017		Stage 2A	X		X		X		X	X				X		
38912V	440-184299-1	M-192-20170511	440-184299-3	Water	5/11/2017		Stage 2A	X		X		X		X	X				X		
38912V	440-184299-1	M-192-20170511-FB13	440-184299-4	Water	5/11/2017	FB	Stage 2A	X		X		X		X	X				X		

Table I. Sample Cross-Reference

LDC	SDG	Client Sample ID	Lab Sample ID	Matrix	Sample Date	QC Type	Validation Level	VOC (8260B & 8260B-SIM)	Metals (200.7)	Cr (200.7)	Cr (VI) (218.6)	Anions (300.0)	NO_3/NO_2-N & TIN (Calc)	Chlorate (300.1B)	Perchlorate (314.0)	Ammonia-N (350.1)	Total Rec. Phenolics (420.4)	Spec. Cond. (2510B)	TDS (2540C)	TOC (5310C) & TOX (9020B)	Field pH
38912V	440-184299-1	M-144-20170511	440-184299-5	Water	5/11/2017		Stage 2A	X		X		X		X	X				X		
38912V	440-184299-1	M-83-20170511	440-184299-6	Water	5/11/2017		Stage 2A	X		X		X		X	X				X		
38912V	440-184299-1	M-83-20170511-FD14	440-184299-7	Water	5/11/2017		Stage 2A	X		X		X		X	X				X		
38912W	440-184300-1	M-124-20170511	440-184300-1	Water	5/11/2017		Stage 2A	X		X		X		X	X				X		
38912W	440-184300-1	M-115-20170511	440-184300-2	Water	5/11/2017		Stage 2A	X		X		X		X	X				X		
38912W	440-184300-1	M-142-20170511	440-184300-3	Water	5/11/2017		Stage 2A	X		X		X		X	X				X		
38912W	440-184300-1	M-76-20170511	440-184300-4	Water	5/11/2017		Stage 2A	X		X		X		X	X				X		
38912W	440-184300-1	M-2A-20170511	440-184300-5	Water	5/11/2017		Stage 2A	X		X		X		X	X				X		
38912W	440-184300-1	M-124-20170511TB23	440-184300-6	Water	5/11/2017	TB	Stage 2A	X													
38912X	440-184301-1	PC-99R2/R3-051117	440-184301-1	Water	5/11/2017		Stage 2A			X		X		X	X				X		X
38912X	440-184301-1	PC-115R-051117	440-184301-2	Water	5/11/2017		Stage 2A			X		X		X	X				X		X
38912X	440-184301-1	PC-116R-051117	440-184301-3	Water	5/11/2017	FD38	Stage 2A			X		X		X	X				X		X
38912X	440-184301-1	PC-116R-051117-FD	440-184301-4	Water	5/11/2017	FD38	Stage 2A			X		X		X	X				X		X
38912X	440-184301-1	PC-118-051117	440-184301-5	Water	5/11/2017		Stage 2A			X		X		X	X				X		X
38912X	440-184301-1	PC-119-051117	440-184301-6	Water	5/11/2017		Stage 2A			X		X		X	X				X		X
38912X	440-184301-1	PC-120-051117	440-184301-7	Water	5/11/2017		Stage 2A			X		X		X	X				X		X
38912X	440-184301-1	PC-120-051117-EB	440-184301-8	Water	5/11/2017	EB	Stage 2A			X		X		X	X				X		X
38912X	440-184301-1	PC-121-051117	440-184301-9	Water	5/11/2017		Stage 2A			X		X		X	X				X		X
38912X	440-184301-1	PC-117-051117	440-184301-10	Water	5/11/2017		Stage 2A			X		X		X	X				X		X
38912X	440-184301-1	PC-133-051117	440-184301-11	Water	5/11/2017		Stage 2A			X		X		X	X				X		X
38912Y	440-184306-1	PC-99R2/R3-051117	440-184306-1	Water	5/11/2017		Stage 2A				X										
38912Y	440-184306-1	PC-115R-051117	440-184306-2	Water	5/11/2017		Stage 2A				X										
38912Y	440-184306-1	PC-116R-051117	440-184306-3	Water	5/11/2017	FD39	Stage 2A				X										
38912Y	440-184306-1	PC-116R-051117-FD	440-184306-4	Water	5/11/2017	FD39	Stage 2A				X										
38912Y	440-184306-1	PC-118-051117	440-184306-5	Water	5/11/2017		Stage 2A				X										
38912Y	440-184306-1	PC-119-051117	440-184306-6	Water	5/11/2017		Stage 2A				X										
38912Y	440-184306-1	PC-120-051117	440-184306-7	Water	5/11/2017		Stage 2A				X										
38912Y	440-184306-1	PC-120-051117-EB	440-184306-8	Water	5/11/2017	EB	Stage 2A				X										
38912Y	440-184306-1	PC-121-051117	440-184306-9	Water	5/11/2017		Stage 2A				X										

Table I. Sample Cross-Reference

LDC	SDG	Client Sample ID	Lab Sample ID	Matrix	Sample Date	QC Type	Validation Level	VOC (8260B & 8260B-SIM)	Metals (200.7)	Cr (200.7)	Cr (VI) (218.6)	Anions (300.0)	NO_3/NO_2-N & TIN (Calc)	Chlorate (300.1B)	Perchlorate (314.0)	Ammonia-N (350.1)	Total Rec. Phenolics (420.4)	Spec. Cond. (2510B)	TDS (2540C)	TOC (5310C) & TOX (9020B)	Field pH
38912Y	440-184306-1	PC-117-051117	440-184306-10	Water	5/11/2017		Stage 2A				X										
38912Y	440-184306-1	PC-133-051117	440-184306-11	Water	5/11/2017		Stage 2A				X										
38912Z	440-184392-1	M-141-20170512	440-184392-1	Water	5/12/2017		Stage 2A	X		X		X		X	X				X		
38912Z	440-184392-1	M-77-20170512	440-184392-2	Water	5/12/2017		Stage 2A	X		X		X		X	X				X		
38912Z	440-184392-1	M-32-20170512	440-184392-3	Water	5/12/2017		Stage 2A	X		X		X		X	X				X		
38912Z	440-184392-1	M-33-20170512	440-184392-4	Water	5/12/2017		Stage 2A	X		X		X		X	X				X		
38922A	440-184394-1	M-75-20170512	440-184394-1	Water	5/12/2017		Stage 2A	X		X		X		X	X				X		
38922A	440-184394-1	M-186-20170512	440-184394-2	Water	5/12/2017		Stage 2A	X		X		X		X	X				X		
38922A	440-184394-1	M-186D-20170512	440-184394-3	Water	5/12/2017		Stage 2A	X		X		X		X	X				X		
38922A	440-184394-1	M-181-20170512	440-184394-4	Water	5/12/2017		Stage 2A	X		X		X		X	X				X		
38922A	440-184394-1	M-151-20170512	440-184394-5	Water	5/12/2017		Stage 2A	X		X		X		X	X				X		
38922A	440-184394-1	TR-8-20170512	440-184394-6	Water	5/12/2017		Stage 2A	X		X		X		X	X				X		
38922B	440-184395-1	M-13-20170512	440-184395-1	Water	5/12/2017	FD40	Stage 2A	X		X		X		X	X				X		
38922B	440-184395-1	M-13-20170512-FD13	440-184395-2	Water	5/12/2017	FD40	Stage 2A	X		X		X		X	X				X		
38922B	440-184395-1	M-148A-20170512	440-184395-3	Water	5/12/2017		Stage 2A	X		X		X		X	X				X		
38922B	440-184395-1	M-148A-20170512-EB12	440-184395-4	Water	5/12/2017	EB	Stage 2A	X		X		X		X	X				X		
38922B	440-184395-1	M-149-20170512	440-184395-5	Water	5/12/2017		Stage 2A	X		X		X		X	X				X		
38922B	440-184395-1	M-153-20170512	440-184395-6	Water	5/12/2017		Stage 2A	X		X		X		X	X				X		
38922B	440-184395-1	M-13-20170512-TB26	440-184395-7	Water	5/12/2017	TB	Stage 2A	X													
38922C	440-184396-1	M-123-20170512	440-184396-1	Water	5/12/2017		Stage 2A	X		X		X		X	X				X		
38922C	440-184396-1	M-191-20170512	440-184396-2	Water	5/12/2017		Stage 2A	X		X		X		X	X				X		
38922C	440-184396-1	M-191-20170512-FB14	440-184396-3	Water	5/12/2017	FB	Stage 2A	X		X		X		X	X				X		
38922C	440-184396-1	M-193-20170512	440-184396-4	Water	5/12/2017		Stage 2A	X		X		X		X	X				X		
38922C	440-184396-1	TR-9-20170512	440-184396-5	Water	5/12/2017		Stage 2A	X		X		X		X	X				X		
38922C	440-184396-1	TR-10-20170512	440-184396-6	Water	5/12/2017		Stage 2A	X		X		X		X	X				X		
38922C	440-184396-1	TR-7-20170512	440-184396-7	Water	5/12/2017		Stage 2A	X		X		X		X	X				X		
38922C	440-184396-1	TR-7-20170512-EB14	440-184396-8	Water	5/12/2017	EB	Stage 2A	X		X		X		X	X				X		
38922C	440-184396-1	M-123-20170512-TB27	440-184396-9	Water	5/12/2017	TB	Stage 2A	X													
38922D	440-184397-1	M-139-20170512	440-184397-1	Water	5/12/2017		Stage 2A	X		X		X		X	X				X		

Table I. Sample Cross-Reference

LDC	SDG	Client Sample ID	Lab Sample ID	Matrix	Sample Date	QC Type	Validation Level	VOC (8260B & 8260B-SIM)	Metals (200.7)	Cr (200.7)	Cr (VI) (218.6)	Anions (300.0)	NO_3/NO_2-N & TIN (Calc)	Chlorate (300.1B)	Perchlorate (314.0)	Ammonia-N (350.1)	Total Rec. Phenolics (420.4)	Spec. Cond. (2510B)	TDS (2540C)	TOC (5310C) & TOX (9020B)	Field pH
38922D	440-184397-1	M-190-20170512	440-184397-2	Water	5/12/2017		Stage 2A	X		X		X		X	X				X		
38922D	440-184397-1	M-189-20170512	440-184397-3	Water	5/12/2017		Stage 2A	X		X		X		X	X				X		
38922D	440-184397-1	M-139-20170512-TB25	440-184397-4	Water	5/12/2017	TB	Stage 2A	X													
38922E	440-184461-1	M-129-20170515	440-184461-1	Water	5/15/2017		Stage 2A	X		X		X		X	X				X		
38922E	440-184461-1	M-12A-20170515	440-184461-2	Water	5/15/2017		Stage 2A	X		X	X	X		X	X				X		
38922E	440-184461-1	M-11-20170515	440-184461-3	Water	5/15/2017		Stage 2A	X		X	X	X		X	X				X		
38922E	440-184461-1	M-129-20170515-EB13	440-184461-4	Water	5/15/2017	EB	Stage 2A	X		X		X		X	X				X		
38922E	440-184461-1	M-129-20170515-TB28	440-184461-5	Water	5/15/2017	TB	Stage 2A	X													
38922F	440-184462-1	M-10-20170515	440-184462-1	Water	5/15/2017		Stage 2A	X	X		X	X	X	X	X	X			X		
38922G	440-184647-1	I-Y-051017	440-184647-1	Water	5/10/2017		Stage 2A				X										
38922G	440-184647-1	I-R-051017	440-184647-2	Water	5/10/2017		Stage 2A				X										
38922G	440-184647-1	I-B-051017	440-184647-3	Water	5/10/2017		Stage 2A				X										
38922G	440-184647-1	I-AB-051017	440-184647-4	Water	5/10/2017		Stage 2A				X										
38922G	440-184647-1	I-AA-051017	440-184647-5	Water	5/10/2017		Stage 2A				X										
38922G	440-184647-1	I-AR-051017	440-184647-6	Water	5/10/2017		Stage 2A				X										
38922G	440-184647-1	ART-1A-051017	440-184647-7	Water	5/10/2017		Stage 2A				X										
38922G	440-184647-1	ART-2-051017	440-184647-8	Water	5/10/2017	FD41	Stage 2A				X										
38922G	440-184647-1	ART-3A-051017	440-184647-9	Water	5/10/2017		Stage 2A				X										
38922G	440-184647-1	ART-4A-051017	440-184647-10	Water	5/10/2017		Stage 2A				X										
38922G	440-184647-1	ART-6-051017	440-184647-11	Water	5/10/2017		Stage 2A				X										
38922G	440-184647-1	ART-7A-051017	440-184647-12	Water	5/10/2017		Stage 2A				X										
38922G	440-184647-1	ART-8A-051017	440-184647-13	Water	5/10/2017		Stage 2A				X										
38922G	440-184647-1	ART-9-051017	440-184647-14	Water	5/10/2017		Stage 2A				X										
38922G	440-184647-1	PC-150-051017	440-184647-15	Water	5/10/2017		Stage 2A				X										
38922G	440-184647-1	ART-2-051017-FD	440-184647-16	Water	5/10/2017	FD41	Stage 2A				X										
38922G	440-184647-1	ART-4A-051017-EB	440-184647-17	Water	5/10/2017	EB	Stage 2A				X										
38922H	440-184859-1	M-93-20170519	440-184859-1	Water	5/19/2017		Stage 2A	X		X		X		X	X				X		
38922H	440-184859-1	M-93-20170519-TB29	440-184859-2	Water	5/19/2017	TB	Stage 2A	X													
38922I	440-185853-1	I-N-05917	440-185853-1	Water	5/9/2017		Stage 2A				X										

Table I. Sample Cross-Reference

LDC	SDG	Client Sample ID	Lab Sample ID	Matrix	Sample Date	QC Type	Validation Level	VOC (8260B & 8260B-SIM)	Metals (200.7)	Cr (200.7)	Cr (VI) (218.6)	Anions (300.0)	NO_3/NO_2-N & TIN (Calc)	Chlorate (300.1B)	Perchlorate (314.0)	Ammonia-N (350.1)	Total Rec. Phenolics (420.4)	Spec. Cond. (2510B)	TDS (2540C)	TOC (5310C) & TOX (9020B)	Field pH
38922I	440-185853-1	I-E-05917	440-185853-2	Water	5/9/2017		Stage 2A				X										
38922I	440-185853-1	I-M-05917	440-185853-3	Water	5/9/2017		Stage 2A				X										
38922I	440-185853-1	I-D-05917	440-185853-4	Water	5/9/2017		Stage 2A				X										
38922I	440-185853-1	I-C-05917	440-185853-5	Water	5/9/2017		Stage 2A				X										
38922I	440-185853-1	I-S-05917	440-185853-6	Water	5/9/2017		Stage 2A				X										
38922I	440-185853-1	I-L-05917	440-185853-7	Water	5/9/2017		Stage 2A				X										

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

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

√ = Reviewed for Stage 2A review
N/A = Not applicable to method or not performed during this sampling event
- = Not applicable for Stage 2A review
[1]GC/MS = VOCs and Phenols
[2]PQLs verified for GC/MS, Metals, and Wet Chemistry methods.
[3]System performance is a thorough review of the data acquisition that can yield indicators of degrading instrument performance affecting quality of data.
*Only if from 10 provided

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

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

√ = Reviewed for Stage 2B review
N/A = Not applicable to method or not performed during this sampling event
- = Not applicable for Stage 2B review
[1]GC/MS = VOCs and Phenols
[2]PQLs verified for GC/MS, Metals, and Wet Chemistry methods.
[3]System performance is a thorough review of the data acquisition that can yield indicators of degrading instrument performance affecting quality of data.
*Only if form 10 provided

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

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

√ = Reviewed for Stage 4 review
N/A = Not applicable to method or not performed during this sampling event
- = Not applicable for Stage 4 review
[1]GC/MS = VOCs and Phenols
[2]PQLs verified for GC/MS, Metals, and Wet Chemistry methods.
[3]System performance is a thorough review of the data acquisition that can yield indicators of degrading instrument performance affecting quality of data.
*Only if form 10 provided

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

Parameter	Stage 2A	Stage 2B*	Stage 4*	Total	Stage 2A (%)	Stage 2B (%)	Stage 4 (%)
VOC (8260B)	278	-	-	278	100	-	-
TCP & 1,4-Dioxane (8260B-SIM)	278	-	-	278	100	-	-
Metals (200.7)	5	1	-	6	83	17	-
Chromium (200.7)	462	83	10	555	83	15	2
Hexavalent Chromium	250	84	10	344	73	24	3
Anions	486	75	10	571	85	13	2
Nitrate/Nitrite-N	1	1	-	2	50	50	-
TIN	1	1	-	2	50	50	-
Chlorate	518	74	10	602	86	12	2
Perchlorate	518	84	10	612	85	14	2
Ammonia-N	1	1	-	2	50	50	-
Total Recoverable Phenolics	4	-	-	4	100	-	-
Spec. Conductivity	4	-	-	4	100	-	-
TDS	518	84	10	612	85	14	2
TOC	4	-	-	4	100	-	-
TOX	4	-	-	4	100	-	-

*Validation was completed before NDEP approval of Stage 2A validation for all water samples.

Table IV. Reason Codes and Definitions

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

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code
440-183798-1	PC-152-20170505	5/5/2017	8260B	87-61-6	1,2,3-Trichlorobenzene	0.65	J	0.40	1.0	ug/l	J	sp
440-183798-1	PC-132-20170505	5/5/2017	8260B	67-66-3	Chloroform	0.38	J	0.25	0.50	ug/l	J	sp
440-183798-1	PC-151-20170505	5/5/2017	8260B	541-73-1	1,3-Dichlorobenzene	0.33	J	0.25	0.50	ug/l	J	sp
440-183798-1	PC-151-20170505	5/5/2017	8260B	107-06-2	1,2-Dichloroethane	0.47	J	0.25	0.50	ug/l	J	sp
440-183801-1	PC-145-20170505	5/5/2017	8260B	75-09-2	Methylene Chloride	2.1	J	1.8	4.0	ug/l	J	sp
440-183801-1	PC-145-20170505	5/5/2017	8260B	75-35-4	1,1-Dichloroethene	0.66	J	0.50	1.0	ug/l	J	sp
440-183801-1	PC-137-20170505	5/5/2017	8260B	75-09-2	Methylene Chloride	1.1	J	0.88	2.0	ug/l	J	sp
440-183801-1	PC-127-20170505	5/5/2017	8260B	79-01-6	Trichloroethene	0.29	J	0.25	0.50	ug/l	J	sp
440-183801-1	PC-127-20170505	5/5/2017	8260B	75-27-4	Bromodichloromethane	0.28	J	0.25	0.50	ug/l	J	sp
440-183801-1	PC-127-20170505	5/5/2017	8260B	75-09-2	Methylene Chloride	1.3	J	0.88	2.0	ug/l	J	sp
440-183801-1	PC-154-20170505	5/5/2017	8260B	75-09-2	Methylene Chloride	1.7	J	0.88	2.0	ug/l	J	sp
440-183801-1	PC-154-20170505	5/5/2017	8260B	127-18-4	Tetrachloroethene	0.25	J	0.25	0.50	ug/l	J	sp
440-183803-1	PC-66-20170505	5/5/2017	8260B	79-01-6	Trichloroethene	0.28	J	0.25	0.50	ug/l	J	sp
440-183803-1	PC-66-20170505	5/5/2017	8260B	75-09-2	Methylene Chloride	1.9	J	0.88	2.0	ug/l	J	sp
440-183803-1	PC-66-20170505	5/5/2017	8260B	75-27-4	Bromodichloromethane	0.30	J	0.25	0.50	ug/l	J	sp
440-183803-1	PC-129-20170505	5/5/2017	8260B	79-01-6	Trichloroethene	0.33	J	0.25	0.50	ug/l	J	sp
440-183803-1	PC-129-20170505	5/5/2017	8260B	127-18-4	Tetrachloroethene	0.34	J	0.25	0.50	ug/l	J	sp
440-183803-1	PC-130-20170505	5/5/2017	8260B	100-42-5	Styrene		UF1	0.25	0.50	ug/l	R	m
440-183803-1	PC-130-20170505	5/5/2017	8260B	127-18-4	Tetrachloroethene	0.37	J	0.25	0.50	ug/l	J	sp
440-183803-1	PC-130-20170505	5/5/2017	8260B	120-82-1	1,2,4-Trichlorobenzene	0.43	J	0.40	1.0	ug/l	J	sp
440-183803-1	PC-130-20170505	5/5/2017	8260B	95-50-1	1,2-Dichlorobenzene	0.46	J	0.25	0.50	ug/l	J	sp
440-183803-1	PC-130-20170505	5/5/2017	8260B	56-23-5	Carbon Tetrachloride	0.47	J	0.25	0.50	ug/l	J	sp
440-183807-1	PC-131-20170505	5/5/2017	8260B	87-61-6	1,2,3-Trichlorobenzene	0.53	J	0.40	1.0	ug/l	J	sp
440-183808-1	PC-123-20170505	5/5/2017	8260B	79-01-6	Trichloroethene	0.36	J	0.25	0.50	ug/l	J	sp
440-183808-1	PC-124-20170505	5/5/2017	8260B	56-23-5	Carbon Tetrachloride	1.4	J	1.3	2.5	ug/l	J	sp
440-183808-1	PC-124-20170505-FD8	5/5/2017	8260B	75-09-2	Methylene Chloride	8.9	J	4.4	10	ug/l	J	sp
440-183808-1	PC-124-20170505-FD8	5/5/2017	8260B	56-23-5	Carbon Tetrachloride	1.9	J	1.3	2.5	ug/l	J	sp
440-183808-1	PC-125-20170505	5/5/2017	8260B	75-09-2	Methylene Chloride	3.7	J	1.8	4.0	ug/l	J	sp
440-183808-1	M-152-20170505	5/5/2017	8260B	75-09-2	Methylene Chloride	1.2	J	0.88	2.0	ug/l	J	sp
440-183808-1	M-156-20170505	5/5/2017	8260B	75-09-2	Methylene Chloride	0.98	J	0.88	2.0	ug/l	J	sp
440-183809-1	PC-126-20170505	5/5/2017	8260B	75-09-2	Methylene Chloride	6.9	J	4.4	10	ug/l	J	sp
440-183809-1	PC-126-20170505 - FD7	5/5/2017	8260B	127-18-4	Tetrachloroethene	1.9	J	1.3	2.5	ug/l	J	sp
440-183809-1	PC-126-20170505 - FD7	5/5/2017	8260B	75-09-2	Methylene Chloride	4.4	J	4.4	10	ug/l	J	sp
440-183809-1	PC-24-20170505	5/5/2017	8260B	75-27-4	Bromodichloromethane	0.44	J	0.25	0.50	ug/l	J	sp
440-183809-1	HMW-16-20170505	5/5/2017	8260B	127-18-4	Tetrachloroethene	0.36	J	0.25	0.50	ug/l	J	sp
440-183891-1	AA-01-20170508	5/8/2017	8260B	75-34-3	1,1-Dichloroethane	0.26	J	0.25	0.50	ug/l	J	sp
440-183891-1	AA-01-20170508	5/8/2017	8260B	79-01-6	Trichloroethene	0.46	J	0.25	0.50	ug/l	J	sp
440-183891-1	PC-65-20170508	5/8/2017	8260B	79-01-6	Trichloroethene	0.32	J	0.25	0.50	ug/l	J	sp
440-183891-1	PC-21A-20170508	5/8/2017	8260B	75-25-2	Bromoform	0.40	J	0.40	1.0	ug/l	J	sp
440-183891-1	PC-21A-20170508-EB9	5/8/2017	8260B	108-88-3	Toluene	0.37	J	0.25	0.50	ug/l	J	sp
440-183892-1	PC-101R-20170508	5/8/2017	8260B	79-01-6	Trichloroethene	0.42	J	0.25	0.50	ug/l	J	sp
440-183892-1	PC-101R-20170508	5/8/2017	8260B	541-73-1	1,3-Dichlorobenzene	0.30	J	0.25	0.50	ug/l	J	sp
440-183892-1	H-48-20170508	5/8/2017	8260B	95-50-1	1,2-Dichlorobenzene	0.42	J	0.25	0.50	ug/l	J	sp
440-183892-1	H-48-20170508	5/8/2017	8260B	106-46-7	1,4-Dichlorobenzene	0.46	J	0.25	0.50	ug/l	J	sp

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code
440-183892-1	H-48-20170508	5/8/2017	8260B	120-82-1	1,2,4-Trichlorobenzene	0.45	J	0.40	1.0	ug/l	J	sp
440-183892-1	MC-69-20170508	5/8/2017	8260B	75-34-3	1,1-Dichloroethane	0.31	J	0.25	0.50	ug/l	J	sp
440-183892-1	MC-69-20170508	5/8/2017	8260B	87-61-6	1,2,3-Trichlorobenzene	0.89	J	0.40	1.0	ug/l	J	sp
440-183892-1	MC-69-20170508	5/8/2017	8260B	79-01-6	Trichloroethene	0.29	J	0.25	0.50	ug/l	J	sp
440-183893-1	PC-31-20170508	5/8/2017	8260B	108-90-7	Chlorobenzene	0.41	J	0.25	0.50	ug/l	J	sp
440-183893-1	PC-31-20170508	5/8/2017	8260B	107-06-2	1,2-Dichloroethane	0.45	J	0.25	0.50	ug/l	J	sp
440-183893-1	PC-31-20170508	5/8/2017	8260B	127-18-4	Tetrachloroethene	0.26	J	0.25	0.50	ug/l	J	sp
440-183893-1	PC-28-20170508	5/8/2017	8260B	108-88-3	Toluene	0.44	J	0.25	0.50	ug/l	J	sp
440-183893-1	PC-28-20170508	5/8/2017	8260B	79-01-6	Trichloroethene	0.48	J	0.25	0.50	ug/l	J	sp
440-183893-1	PC-67-20170508	5/8/2017	8260B	56-23-5	Carbon Tetrachloride	4.5	J	2.5	5.0	ug/l	J	sp
440-183893-1	H-58A-20170508	5/8/2017	8260B	75-09-2	Methylene Chloride	1.7	JB	0.88	2.0	ug/l	J	bl,sp
440-183893-1	H-58A-20170508	5/8/2017	8260B	67-66-3	Chloroform	0.33	J	0.25	0.50	ug/l	J	sp
440-183893-1	MC-65-20170508	5/8/2017	8260B	75-09-2	Methylene Chloride	1.9	JB	0.88	2.0	ug/l	J	bl,sp
440-183893-1	MC-65-20170508	5/8/2017	8260B	107-06-2	1,2-Dichloroethane	0.35	J	0.25	0.50	ug/l	J	sp
440-183893-1	MC-65-20170508	5/8/2017	8260B	108-90-7	Chlorobenzene	0.30	J	0.25	0.50	ug/l	J	sp
440-183893-1	MC-65-20170508	5/8/2017	8260B	108-88-3	Toluene	0.44	J	0.25	0.50	ug/l	J	sp
440-183894-1	PC-71-20170508	5/8/2017	8260B	79-01-6	Trichloroethene	0.32	J	0.25	0.50	ug/l	J	sp
440-183894-1	PC-71-20170508	5/8/2017	8260B	127-18-4	Tetrachloroethene	0.40	J	0.25	0.50	ug/l	J	sp
440-183894-1	PC-72-20170508	5/8/2017	8260B	79-01-6	Trichloroethene	0.41	J	0.25	0.50	ug/l	J	sp
440-183894-1	PC-37-20170508	5/8/2017	8260B	107-06-2	1,2-Dichloroethane	0.35	J	0.25	0.50	ug/l	J	sp
440-183894-1	PC-37-20170508	5/8/2017	8260B	95-50-1	1,2-Dichlorobenzene	0.36	J	0.25	0.50	ug/l	J	sp
440-183894-1	PC-73-20170508	5/8/2017	8260B	79-01-6	Trichloroethene	0.49	J	0.25	0.50	ug/l	J	sp
440-183894-1	PC-73-20170508	5/8/2017	8260B	541-73-1	1,3-Dichlorobenzene	0.40	J	0.25	0.50	ug/l	J	sp
440-183894-1	MC-97-20170508	5/8/2017	8260B	67-66-3	Chloroform	0.48	J	0.25	0.50	ug/l	J	sp
440-183895-1	PC-107-20170508	5/8/2017	8260B	75-34-3	1,1-Dichloroethane	0.39	J	0.25	0.50	ug/l	J	sp
440-183895-1	M-48A-20170508	5/8/2017	8260B	127-18-4	Tetrachloroethene	0.35	J	0.25	0.50	ug/l	J	sp
440-183895-1	M-48A-20170508-FB10	5/8/2017	8260B	75-09-2	Methylene Chloride	1.6	J	0.88	2.0	ug/l	J	sp
440-183895-1	M-48A-20170508-FB10	5/8/2017	8260B	108-88-3	Toluene	0.29	J	0.25	0.50	ug/l	J	sp
440-183895-1	MC-50-20170508	5/8/2017	8260B	71-43-2	Benzene	1.0	J	0.63	1.3	ug/l	J	sp
440-184025-1	MW-16-20170509-FD11	5/9/2017	8260B	75-09-2	Methylene Chloride	0.88	J	0.88	2.0	ug/l	J	sp
440-184025-1	M-37-20170509	5/9/2017	8260B	79-01-6	Trichloroethene	0.44	J	0.25	0.50	ug/l	J	sp
440-184025-1	M-37-20170509-EB4	5/9/2017	8260B	67-66-3	Chloroform	0.49	J	0.25	0.50	ug/l	J	sp
440-184027-1	M-79-20170509	5/9/2017	8260B	541-73-1	1,3-Dichlorobenzene	0.36	J	0.25	0.50	ug/l	J	sp
440-184027-1	M-79-20170509	5/9/2017	8260B	56-23-5	Carbon Tetrachloride	0.25	J	0.25	0.50	ug/l	J	sp
440-184027-1	M-79-20170509	5/9/2017	8260B	127-18-4	Tetrachloroethene	0.43	J	0.25	0.50	ug/l	J	sp
440-184027-1	M-79-20170509-FD9	5/9/2017	8260B	127-18-4	Tetrachloroethene	0.39	J	0.25	0.50	ug/l	J	sp
440-184027-1	M-79-20170509-FD9	5/9/2017	8260B	541-73-1	1,3-Dichlorobenzene	0.37	J	0.25	0.50	ug/l	J	sp
440-184027-1	PC-40-20170509	5/9/2017	8260B	87-61-6	1,2,3-Trichlorobenzene	2.8	J	1.6	4.0	ug/l	J	sp
440-184027-1	PC-40-20170509	5/9/2017	8260B	71-43-2	Benzene	1.2	J	1.0	2.0	ug/l	J	sp
440-184027-1	PC-40-20170509	5/9/2017	8260B	79-01-6	Trichloroethene	1.9	J	1.0	2.0	ug/l	J	sp
440-184027-1	PC-40-20170509	5/9/2017	8260B	67-66-3	Chloroform	1.1	J	1.0	2.0	ug/l	J	sp
440-184027-1	M-57A-20170509	5/9/2017	8260B	56-23-5	Carbon Tetrachloride	3.0	J	2.5	5.0	ug/l	J	sp
440-184029-1	M-125-20170509	5/9/2017	8260B	79-01-6	Trichloroethene		U	100	200	ug/l	UJ	vh
440-184029-1	M-125-20170509	5/9/2017	8260B	95-50-1	1,2-Dichlorobenzene		U	100	200	ug/l	UJ	vh

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code
440-184029-1	M-125-20170509	5/9/2017	8260B	106-46-7	1,4-Dichlorobenzene		U	100	200	ug/l	UJ	vh
440-184029-1	M-125-20170509	5/9/2017	8260B	135-98-8	sec-Butylbenzene		U	100	200	ug/l	UJ	vh
440-184029-1	M-125-20170509	5/9/2017	8260B	75-25-2	Bromoform		U	160	400	ug/l	UJ	vh
440-184029-1	M-125-20170509	5/9/2017	8260B	563-58-6	1,1-Dichloropropene		U	100	200	ug/l	UJ	vh
440-184029-1	M-125-20170509	5/9/2017	8260B	108-90-7	Chlorobenzene	11000		100	200	ug/l	J-	vh
440-184029-1	M-125-20170509	5/9/2017	8260B	75-34-3	1,1-Dichloroethane		U	100	200	ug/l	UJ	vh
440-184029-1	M-125-20170509	5/9/2017	8260B	74-87-3	Chloromethane		U	100	200	ug/l	UJ	vh
440-184029-1	M-125-20170509	5/9/2017	8260B	98-06-6	tert-Butylbenzene		U	100	200	ug/l	UJ	vh
440-184029-1	M-125-20170509	5/9/2017	8260B	106-93-4	1,2-Dibromoethane		U	100	200	ug/l	UJ	vh
440-184029-1	M-125-20170509	5/9/2017	8260B	67-66-3	Chloroform	15000		100	200	ug/l	J-	vh
440-184029-1	M-125-20170509	5/9/2017	8260B	108-86-1	Bromobenzene		U	100	200	ug/l	UJ	vh
440-184029-1	M-125-20170509	5/9/2017	8260B	120-82-1	1,2,4-Trichlorobenzene		U	160	400	ug/l	UJ	vh
440-184029-1	M-125-20170509	5/9/2017	8260B	107-06-2	1,2-Dichloroethane		U	100	200	ug/l	UJ	vh
440-184029-1	M-125-20170509	5/9/2017	8260B	71-43-2	Benzene	3900		100	200	ug/l	J-	vh
440-184029-1	M-125-20170509	5/9/2017	8260B	10061-01-5	cis-1,3-Dichloropropene		U	100	200	ug/l	UJ	vh
440-184029-1	M-125-20170509	5/9/2017	8260B	594-20-7	2,2-Dichloropropane		U	160	400	ug/l	UJ	vh
440-184029-1	M-125-20170509	5/9/2017	8260B	156-59-2	cis-1,2-Dichloroethene		U	100	200	ug/l	UJ	vh
440-184029-1	M-125-20170509	5/9/2017	8260B	87-61-6	1,2,3-Trichlorobenzene		U	160	400	ug/l	UJ	vh
440-184029-1	M-125-20170509	5/9/2017	8260B	10061-02-6	trans-1,3-Dichloropropene		U	100	200	ug/l	UJ	vh
440-184029-1	M-125-20170509	5/9/2017	8260B	98-82-8	Cumene		U	100	200	ug/l	UJ	vh
440-184029-1	M-125-20170509	5/9/2017	8260B	74-97-5	Bromochloromethane		U	100	200	ug/l	UJ	vh
440-184029-1	M-125-20170509	5/9/2017	8260B	637-92-3	Ethyl tert-butyl ether		U	100	200	ug/l	UJ	vh
440-184029-1	M-125-20170509	5/9/2017	8260B	96-18-4	1,2,3-Trichloropropane		U	160	400	ug/l	UJ	vh
440-184029-1	M-125-20170509	5/9/2017	8260B	95-49-8	2-Chlorotoluene		U	100	200	ug/l	UJ	vh
440-184029-1	M-125-20170509	5/9/2017	8260B	75-35-4	1,1-Dichloroethene		U	100	200	ug/l	UJ	vh
440-184029-1	M-125-20170509	5/9/2017	8260B	95-47-6	ortho-xylene		U	100	200	ug/l	UJ	vh
440-184029-1	M-125-20170509	5/9/2017	8260B	79-00-5	1,1,2-Trichloroethane		U	100	200	ug/l	UJ	vh
440-184029-1	M-125-20170509	5/9/2017	8260B	124-48-1	Dibromochloromethane		U	100	200	ug/l	UJ	vh
440-184029-1	M-125-20170509	5/9/2017	8260B	99-87-6	p-Cymene		U	100	200	ug/l	UJ	vh
440-184029-1	M-125-20170509	5/9/2017	8260B	75-69-4	Trichlorofluoromethane		U	100	200	ug/l	UJ	vh
440-184029-1	M-125-20170509	5/9/2017	8260B	108-67-8	1,3,5-Trimethylbenzene		U	100	200	ug/l	UJ	vh
440-184029-1	M-125-20170509	5/9/2017	8260B	75-01-4	Vinyl Chloride		U	100	200	ug/l	UJ	vh
440-184029-1	M-125-20170509	5/9/2017	8260B	71-55-6	1,1,1-Trichloroethane		U	100	200	ug/l	UJ	vh
440-184029-1	M-125-20170509	5/9/2017	8260B	95-63-6	1,2,4-Trimethylbenzene		U	100	200	ug/l	UJ	vh
440-184029-1	M-125-20170509	5/9/2017	8260B	74-95-3	Dibromomethane		U	100	200	ug/l	UJ	vh
440-184029-1	M-125-20170509	5/9/2017	8260B	74-83-9	Bromomethane		U	100	200	ug/l	UJ	vh
440-184029-1	M-125-20170509	5/9/2017	8260B	541-73-1	1,3-Dichlorobenzene		U	100	200	ug/l	UJ	vh
440-184029-1	M-125-20170509	5/9/2017	8260B	106-43-4	4-Chlorotoluene		U	100	200	ug/l	UJ	vh
440-184029-1	M-125-20170509	5/9/2017	8260B	127-18-4	Tetrachloroethene		U	100	200	ug/l	UJ	vh
440-184029-1	M-125-20170509	5/9/2017	8260B	75-09-2	Methylene Chloride		U	350	800	ug/l	UJ	vh
440-184029-1	M-125-20170509	5/9/2017	8260B	78-87-5	1,2-Dichloropropane		U	100	200	ug/l	UJ	vh
440-184029-1	M-125-20170509	5/9/2017	8260B	142-28-9	1,3-Dichloropropane		U	100	200	ug/l	UJ	vh
440-184029-1	M-125-20170509	5/9/2017	8260B	103-65-1	n-Propylbenzene		U	100	200	ug/l	UJ	vh
440-184029-1	M-125-20170509	5/9/2017	8260B	79-34-5	1,1,2,2-Tetrachloroethane		U	100	200	ug/l	UJ	vh

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code
440-184029-1	M-125-20170509	5/9/2017	8260B	87-68-3	Hexachlorobutadiene		U	100	200	ug/l	UJ	vh
440-184029-1	M-125-20170509	5/9/2017	8260B	108-88-3	Toluene		U	100	200	ug/l	UJ	vh
440-184029-1	M-125-20170509	5/9/2017	8260B	75-71-8	Dichlorodifluoromethane		U	160	400	ug/l	UJ	vh
440-184029-1	M-125-20170509	5/9/2017	8260B	78-93-3	2-Butanone		U	1000	2000	ug/l	UJ	vh
440-184029-1	M-125-20170509	5/9/2017	8260B	56-23-5	Carbon Tetrachloride		U	100	200	ug/l	UJ	vh
440-184029-1	M-125-20170509	5/9/2017	8260B	75-27-4	Bromodichloromethane		U	100	200	ug/l	UJ	vh
440-184029-1	M-125-20170509	5/9/2017	8260B	100-41-4	Ethyl Benzene		U	100	200	ug/l	UJ	vh
440-184029-1	M-125-20170509	5/9/2017	8260B	75-00-3	Chloroethane		U	160	400	ug/l	UJ	vh
440-184029-1	M-125-20170509	5/9/2017	8260B	104-51-8	n-Butylbenzene		U	160	400	ug/l	UJ	vh
440-184029-1	M-125-20170509	5/9/2017	8260B	156-60-5	trans-1,2-Dichloroethene		U	100	200	ug/l	UJ	vh
440-184029-1	M-125-20170509	5/9/2017	8260B	91-20-3	Naphthalene		U	160	400	ug/l	UJ	vh
440-184029-1	M-125-20170509	5/9/2017	8260B	96-12-8	1,2-Dibromo-3-chloropropane		U	200	400	ug/l	UJ	vh
440-184029-1	M-125-20170509	5/9/2017	8260B	136777-61-2	m,p-xylene		U	200	400	ug/l	UJ	vh
440-184029-1	M-125-20170509	5/9/2017	8260B	630-20-6	1,1,1,2-Tetrachloroethane		U	100	200	ug/l	UJ	vh
440-184029-1	M-125-20170509	5/9/2017	8260B	100-42-5	Styrene		U	100	200	ug/l	UJ	vh
440-184029-1	MC-6-20170509	5/9/2017	8260B	67-66-3	Chloroform	0.31	J	0.25	0.50	ug/l	J	sp
440-184029-1	MC-6-20170509	5/9/2017	8260B	95-50-1	1,2-Dichlorobenzene	0.28	J	0.25	0.50	ug/l	J	sp
440-184029-1	MC-6-20170509	5/9/2017	8260B	87-61-6	1,2,3-Trichlorobenzene	0.81	J	0.40	1.0	ug/l	J	sp
440-184029-1	MC-6-20170509	5/9/2017	8260B	71-43-2	Benzene	0.32	J	0.25	0.50	ug/l	J	sp
440-184029-1	MC-7-20170509	5/9/2017	8260B	75-34-3	1,1-Dichloroethane	5.9	J	5.0	10	ug/l	J	sp
440-184029-1	MC-7-20170509	5/9/2017	8260B	87-61-6	1,2,3-Trichlorobenzene	8.2	J	8.0	20	ug/l	J	sp
440-184029-1	MC-7-20170509	5/9/2017	8260B	541-73-1	1,3-Dichlorobenzene	5.8	J	5.0	10	ug/l	J	sp
440-184031-1	MC-3-20170509-TB15	5/9/2017	8260B	124-48-1	Dibromochloromethane		U	0.25	0.50	ug/l	UJ	vh
440-184031-1	MC-3-20170509-TB15	5/9/2017	8260B	79-00-5	1,1,2-Trichloroethane		U	0.25	0.50	ug/l	UJ	vh
440-184031-1	MC-3-20170509-TB15	5/9/2017	8260B	95-47-6	ortho-xylene		U	0.25	0.50	ug/l	UJ	vh
440-184031-1	MC-3-20170509-TB15	5/9/2017	8260B	99-87-6	p-Cymene		U	0.25	0.50	ug/l	UJ	vh
440-184031-1	MC-3-20170509-TB15	5/9/2017	8260B	95-49-8	2-Chlorotoluene		U	0.25	0.50	ug/l	UJ	vh
440-184031-1	MC-3-20170509-TB15	5/9/2017	8260B	108-90-7	Chlorobenzene		U	0.25	0.50	ug/l	UJ	vh
440-184031-1	MC-3-20170509-TB15	5/9/2017	8260B	78-93-3	2-Butanone		U	2.5	5.0	ug/l	UJ	vh
440-184031-1	MC-3-20170509-TB15	5/9/2017	8260B	75-01-4	Vinyl Chloride		U	0.25	0.50	ug/l	UJ	vh
440-184031-1	MC-3-20170509-TB15	5/9/2017	8260B	100-42-5	Styrene		U	0.25	0.50	ug/l	UJ	vh
440-184031-1	MC-3-20170509-TB15	5/9/2017	8260B	75-69-4	Trichlorofluoromethane		U	0.25	0.50	ug/l	UJ	vh
440-184031-1	MC-3-20170509-TB15	5/9/2017	8260B	78-87-5	1,2-Dichloropropane		U	0.25	0.50	ug/l	UJ	vh
440-184031-1	MC-3-20170509-TB15	5/9/2017	8260B	74-95-3	Dibromomethane		U	0.25	0.50	ug/l	UJ	vh
440-184031-1	MC-3-20170509-TB15	5/9/2017	8260B	74-83-9	Bromomethane		U	0.25	0.50	ug/l	UJ	vh
440-184031-1	MC-3-20170509-TB15	5/9/2017	8260B	541-73-1	1,3-Dichlorobenzene		U	0.25	0.50	ug/l	UJ	vh
440-184031-1	MC-3-20170509-TB15	5/9/2017	8260B	95-63-6	1,2,4-Trimethylbenzene		U	0.25	0.50	ug/l	UJ	vh
440-184031-1	MC-3-20170509-TB15	5/9/2017	8260B	75-35-4	1,1-Dichloroethene		U	0.25	0.50	ug/l	UJ	vh
440-184031-1	MC-3-20170509-TB15	5/9/2017	8260B	127-18-4	Tetrachloroethene		U	0.25	0.50	ug/l	UJ	vh
440-184031-1	MC-3-20170509-TB15	5/9/2017	8260B	96-12-8	1,2-Dibromo-3-chloropropane		U	0.50	1.0	ug/l	UJ	vh
440-184031-1	MC-3-20170509-TB15	5/9/2017	8260B	91-20-3	Naphthalene		U	0.40	1.0	ug/l	UJ	vh
440-184031-1	MC-3-20170509-TB15	5/9/2017	8260B	75-00-3	Chloroethane		U	0.40	1.0	ug/l	UJ	vh
440-184031-1	MC-3-20170509-TB15	5/9/2017	8260B	75-09-2	Methylene Chloride		U	0.88	2.0	ug/l	UJ	vh
440-184031-1	MC-3-20170509-TB15	5/9/2017	8260B	75-71-8	Dichlorodifluoromethane		U	0.40	1.0	ug/l	UJ	vh

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code
440-184031-1	MC-3-20170509-TB15	5/9/2017	8260B	75-27-4	Bromodichloromethane		U	0.25	0.50	ug/l	UJ	vh
440-184031-1	MC-3-20170509-TB15	5/9/2017	8260B	56-23-5	Carbon Tetrachloride		U	0.25	0.50	ug/l	UJ	vh
440-184031-1	MC-3-20170509-TB15	5/9/2017	8260B	630-20-6	1,1,1,2-Tetrachloroethane		U	0.25	0.50	ug/l	UJ	vh
440-184031-1	MC-3-20170509-TB15	5/9/2017	8260B	136777-61-2	m,p-xylene		U	0.50	1.0	ug/l	UJ	vh
440-184031-1	MC-3-20170509-TB15	5/9/2017	8260B	156-60-5	trans-1,2-Dichloroethene		U	0.25	0.50	ug/l	UJ	vh
440-184031-1	MC-3-20170509-TB15	5/9/2017	8260B	142-28-9	1,3-Dichloropropane		U	0.25	0.50	ug/l	UJ	vh
440-184031-1	MC-3-20170509-TB15	5/9/2017	8260B	104-51-8	n-Butylbenzene		U	0.40	1.0	ug/l	UJ	vh
440-184031-1	MC-3-20170509-TB15	5/9/2017	8260B	100-41-4	Ethyl Benzene		U	0.25	0.50	ug/l	UJ	vh
440-184031-1	MC-3-20170509-TB15	5/9/2017	8260B	71-55-6	1,1,1-Trichloroethane		U	0.25	0.50	ug/l	UJ	vh
440-184031-1	MC-3-20170509-TB15	5/9/2017	8260B	75-34-3	1,1-Dichloroethane		U	0.25	0.50	ug/l	UJ	vh
440-184031-1	MC-3-20170509-TB15	5/9/2017	8260B	75-25-2	Bromoform		U	0.40	1.0	ug/l	UJ	vh
440-184031-1	MC-3-20170509-TB15	5/9/2017	8260B	87-61-6	1,2,3-Trichlorobenzene		U	0.40	1.0	ug/l	UJ	vh
440-184031-1	MC-3-20170509-TB15	5/9/2017	8260B	106-43-4	4-Chlorotoluene		U	0.25	0.50	ug/l	UJ	vh
440-184031-1	MC-3-20170509-TB15	5/9/2017	8260B	96-18-4	1,2,3-Trichloropropane		U	0.40	1.0	ug/l	UJ	vh
440-184031-1	MC-3-20170509-TB15	5/9/2017	8260B	120-82-1	1,2,4-Trichlorobenzene		U	0.40	1.0	ug/l	UJ	vh
440-184031-1	MC-3-20170509-TB15	5/9/2017	8260B	107-06-2	1,2-Dichloroethane		U	0.25	0.50	ug/l	UJ	vh
440-184031-1	MC-3-20170509-TB15	5/9/2017	8260B	10061-01-5	cis-1,3-Dichloropropene		U	0.25	0.50	ug/l	UJ	vh
440-184031-1	MC-3-20170509-TB15	5/9/2017	8260B	594-20-7	2,2-Dichloropropane		U	0.40	1.0	ug/l	UJ	vh
440-184031-1	MC-3-20170509-TB15	5/9/2017	8260B	156-59-2	cis-1,2-Dichloroethene		U	0.25	0.50	ug/l	UJ	vh
440-184031-1	MC-3-20170509-TB15	5/9/2017	8260B	637-92-3	Ethyl tert-butyl ether		U	0.25	0.50	ug/l	UJ	vh
440-184031-1	MC-3-20170509-TB15	5/9/2017	8260B	71-43-2	Benzene		U	0.25	0.50	ug/l	UJ	vh
440-184031-1	MC-3-20170509-TB15	5/9/2017	8260B	74-97-5	Bromochloromethane		U	0.25	0.50	ug/l	UJ	vh
440-184031-1	MC-3-20170509-TB15	5/9/2017	8260B	67-66-3	Chloroform		U	0.25	0.50	ug/l	UJ	vh
440-184031-1	MC-3-20170509-TB15	5/9/2017	8260B	563-58-6	1,1-Dichloropropene		U	0.25	0.50	ug/l	UJ	vh
440-184031-1	MC-3-20170509-TB15	5/9/2017	8260B	87-68-3	Hexachlorobutadiene		U	0.25	0.50	ug/l	UJ	vh
440-184031-1	MC-3-20170509-TB15	5/9/2017	8260B	98-06-6	tert-Butylbenzene		U	0.25	0.50	ug/l	UJ	vh
440-184031-1	MC-3-20170509-TB15	5/9/2017	8260B	108-88-3	Toluene		U	0.25	0.50	ug/l	UJ	vh
440-184031-1	MC-3-20170509-TB15	5/9/2017	8260B	79-34-5	1,1,2,2-Tetrachloroethane		U	0.25	0.50	ug/l	UJ	vh
440-184031-1	MC-3-20170509-TB15	5/9/2017	8260B	79-01-6	Trichloroethene		U	0.25	0.50	ug/l	UJ	vh
440-184031-1	MC-3-20170509-TB15	5/9/2017	8260B	95-50-1	1,2-Dichlorobenzene		U	0.25	0.50	ug/l	UJ	vh
440-184031-1	MC-3-20170509-TB15	5/9/2017	8260B	108-67-8	1,3,5-Trimethylbenzene		U	0.25	0.50	ug/l	UJ	vh
440-184031-1	MC-3-20170509-TB15	5/9/2017	8260B	103-65-1	n-Propylbenzene		U	0.25	0.50	ug/l	UJ	vh
440-184031-1	MC-3-20170509-TB15	5/9/2017	8260B	98-82-8	Cumene		U	0.25	0.50	ug/l	UJ	vh
440-184031-1	MC-3-20170509-TB15	5/9/2017	8260B	108-86-1	Bromobenzene		U	0.25	0.50	ug/l	UJ	vh
440-184031-1	MC-3-20170509-TB15	5/9/2017	8260B	106-93-4	1,2-Dibromoethane		U	0.25	0.50	ug/l	UJ	vh
440-184031-1	MC-3-20170509-TB15	5/9/2017	8260B	106-46-7	1,4-Dichlorobenzene		U	0.25	0.50	ug/l	UJ	vh
440-184031-1	MC-3-20170509-TB15	5/9/2017	8260B	10061-02-6	trans-1,3-Dichloropropene		U	0.25	0.50	ug/l	UJ	vh
440-184031-1	MC-3-20170509-TB15	5/9/2017	8260B	135-98-8	sec-Butylbenzene		U	0.25	0.50	ug/l	UJ	vh
440-184031-1	MC-3-20170509-TB15	5/9/2017	8260B	74-87-3	Chloromethane		U	0.25	0.50	ug/l	UJ	vh
440-184031-1	MC-3-20170509	5/9/2017	8260B	95-50-1	1,2-Dichlorobenzene	64	J	50	100	ug/l	J	sp
440-184031-1	MC-3-20170509	5/9/2017	8260B	120-82-1	1,2,4-Trichlorobenzene	100	J	80	200	ug/l	J	sp
440-184031-1	MC-51-20170509	5/9/2017	8260B	74-83-9	Bromomethane		U	5.0	10	ug/l	UJ	vh
440-184031-1	MC-51-20170509	5/9/2017	8260B	56-23-5	Carbon Tetrachloride		U	5.0	10	ug/l	UJ	vh
440-184031-1	MC-51-20170509	5/9/2017	8260B	78-93-3	2-Butanone		U	50	100	ug/l	UJ	vh

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code
440-184031-1	MC-51-20170509	5/9/2017	8260B	124-48-1	Dibromochloromethane		U	5.0	10	ug/l	UJ	vh
440-184031-1	MC-51-20170509	5/9/2017	8260B	79-00-5	1,1,2-Trichloroethane		U	5.0	10	ug/l	UJ	vh
440-184031-1	MC-51-20170509	5/9/2017	8260B	95-47-6	ortho-xylene		U	5.0	10	ug/l	UJ	vh
440-184031-1	MC-51-20170509	5/9/2017	8260B	95-49-8	2-Chlorotoluene		U	5.0	10	ug/l	UJ	vh
440-184031-1	MC-51-20170509	5/9/2017	8260B	95-63-6	1,2,4-Trimethylbenzene		U	5.0	10	ug/l	UJ	vh
440-184031-1	MC-51-20170509	5/9/2017	8260B	99-87-6	p-Cymene		U	5.0	10	ug/l	UJ	vh
440-184031-1	MC-51-20170509	5/9/2017	8260B	75-71-8	Dichlorodifluoromethane		U	8.0	20	ug/l	UJ	vh
440-184031-1	MC-51-20170509	5/9/2017	8260B	75-00-3	Chloroethane		U	8.0	20	ug/l	UJ	vh
440-184031-1	MC-51-20170509	5/9/2017	8260B	75-01-4	Vinyl Chloride		U	5.0	10	ug/l	UJ	vh
440-184031-1	MC-51-20170509	5/9/2017	8260B	100-42-5	Styrene		U	5.0	10	ug/l	UJ	vh
440-184031-1	MC-51-20170509	5/9/2017	8260B	100-41-4	Ethyl Benzene		U	5.0	10	ug/l	UJ	vh
440-184031-1	MC-51-20170509	5/9/2017	8260B	142-28-9	1,3-Dichloropropane		U	5.0	10	ug/l	UJ	vh
440-184031-1	MC-51-20170509	5/9/2017	8260B	104-51-8	n-Butylbenzene		U	8.0	20	ug/l	UJ	vh
440-184031-1	MC-51-20170509	5/9/2017	8260B	156-60-5	trans-1,2-Dichloroethene		U	5.0	10	ug/l	UJ	vh
440-184031-1	MC-51-20170509	5/9/2017	8260B	136777-61-2	m,p-xylene		U	10	20	ug/l	UJ	vh
440-184031-1	MC-51-20170509	5/9/2017	8260B	630-20-6	1,1,1,2-Tetrachloroethane		U	5.0	10	ug/l	UJ	vh
440-184031-1	MC-51-20170509	5/9/2017	8260B	75-27-4	Bromodichloromethane		U	5.0	10	ug/l	UJ	vh
440-184031-1	MC-51-20170509	5/9/2017	8260B	71-55-6	1,1,1-Trichloroethane		U	5.0	10	ug/l	UJ	vh
440-184031-1	MC-51-20170509	5/9/2017	8260B	75-09-2	Methylene Chloride		U	18	40	ug/l	UJ	vh
440-184031-1	MC-51-20170509	5/9/2017	8260B	91-20-3	Naphthalene		U	8.0	20	ug/l	UJ	vh
440-184031-1	MC-51-20170509	5/9/2017	8260B	96-12-8	1,2-Dibromo-3-chloropropane		U	10	20	ug/l	UJ	vh
440-184031-1	MC-51-20170509	5/9/2017	8260B	75-35-4	1,1-Dichloroethene		U	5.0	10	ug/l	UJ	vh
440-184031-1	MC-51-20170509	5/9/2017	8260B	637-92-3	Ethyl tert-butyl ether		U	5.0	10	ug/l	UJ	vh
440-184031-1	MC-51-20170509	5/9/2017	8260B	106-46-7	1,4-Dichlorobenzene	67		5.0	10	ug/l	J-	vh
440-184031-1	MC-51-20170509	5/9/2017	8260B	74-87-3	Chloromethane		U	5.0	10	ug/l	UJ	vh
440-184031-1	MC-51-20170509	5/9/2017	8260B	98-06-6	tert-Butylbenzene		U	5.0	10	ug/l	UJ	vh
440-184031-1	MC-51-20170509	5/9/2017	8260B	67-66-3	Chloroform		U	5.0	10	ug/l	UJ	vh
440-184031-1	MC-51-20170509	5/9/2017	8260B	563-58-6	1,1-Dichloropropene		U	5.0	10	ug/l	UJ	vh
440-184031-1	MC-51-20170509	5/9/2017	8260B	74-97-5	Bromochloromethane		U	5.0	10	ug/l	UJ	vh
440-184031-1	MC-51-20170509	5/9/2017	8260B	10061-02-6	trans-1,3-Dichloropropene		U	5.0	10	ug/l	UJ	vh
440-184031-1	MC-51-20170509	5/9/2017	8260B	594-20-7	2,2-Dichloropropane		U	8.0	20	ug/l	UJ	vh
440-184031-1	MC-51-20170509	5/9/2017	8260B	87-61-6	1,2,3-Trichlorobenzene		U	8.0	20	ug/l	UJ	vh
440-184031-1	MC-51-20170509	5/9/2017	8260B	10061-01-5	cis-1,3-Dichloropropene		U	5.0	10	ug/l	UJ	vh
440-184031-1	MC-51-20170509	5/9/2017	8260B	107-06-2	1,2-Dichloroethane		U	5.0	10	ug/l	UJ	vh
440-184031-1	MC-51-20170509	5/9/2017	8260B	120-82-1	1,2,4-Trichlorobenzene		U	8.0	20	ug/l	UJ	vh
440-184031-1	MC-51-20170509	5/9/2017	8260B	156-59-2	cis-1,2-Dichloroethene		U	5.0	10	ug/l	UJ	vh
440-184031-1	MC-51-20170509	5/9/2017	8260B	96-18-4	1,2,3-Trichloropropane		U	8.0	20	ug/l	UJ	vh
440-184031-1	MC-51-20170509	5/9/2017	8260B	74-95-3	Dibromomethane		U	5.0	10	ug/l	UJ	vh
440-184031-1	MC-51-20170509	5/9/2017	8260B	75-69-4	Trichlorofluoromethane		U	5.0	10	ug/l	UJ	vh
440-184031-1	MC-51-20170509	5/9/2017	8260B	71-43-2	Benzene	960		5.0	10	ug/l	J-	vh
440-184031-1	MC-51-20170509	5/9/2017	8260B	95-50-1	1,2-Dichlorobenzene	37		5.0	10	ug/l	J-	vh
440-184031-1	MC-51-20170509	5/9/2017	8260B	108-86-1	Bromobenzene		U	5.0	10	ug/l	UJ	vh
440-184031-1	MC-51-20170509	5/9/2017	8260B	127-18-4	Tetrachloroethene		U	5.0	10	ug/l	UJ	vh
440-184031-1	MC-51-20170509	5/9/2017	8260B	106-43-4	4-Chlorotoluene		U	5.0	10	ug/l	UJ	vh

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code
440-184031-1	MC-51-20170509	5/9/2017	8260B	108-88-3	Toluene		U	5.0	10	ug/l	UJ	vh
440-184031-1	MC-51-20170509	5/9/2017	8260B	79-34-5	1,1,2,2-Tetrachloroethane		U	5.0	10	ug/l	UJ	vh
440-184031-1	MC-51-20170509	5/9/2017	8260B	78-87-5	1,2-Dichloropropane		U	5.0	10	ug/l	UJ	vh
440-184031-1	MC-51-20170509	5/9/2017	8260B	79-01-6	Trichloroethene		U	5.0	10	ug/l	UJ	vh
440-184031-1	MC-51-20170509	5/9/2017	8260B	541-73-1	1,3-Dichlorobenzene		U	5.0	10	ug/l	UJ	vh
440-184031-1	MC-51-20170509	5/9/2017	8260B	103-65-1	n-Propylbenzene		U	5.0	10	ug/l	UJ	vh
440-184031-1	MC-51-20170509	5/9/2017	8260B	108-67-8	1,3,5-Trimethylbenzene		U	5.0	10	ug/l	UJ	vh
440-184031-1	MC-51-20170509	5/9/2017	8260B	75-25-2	Bromoform		U	8.0	20	ug/l	UJ	vh
440-184031-1	MC-51-20170509	5/9/2017	8260B	108-90-7	Chlorobenzene	1100		5.0	10	ug/l	J-	vh
440-184031-1	MC-51-20170509	5/9/2017	8260B	135-98-8	sec-Butylbenzene		U	5.0	10	ug/l	UJ	vh
440-184031-1	MC-51-20170509	5/9/2017	8260B	98-82-8	Cumene		U	5.0	10	ug/l	UJ	vh
440-184031-1	MC-51-20170509	5/9/2017	8260B	106-93-4	1,2-Dibromoethane		U	5.0	10	ug/l	UJ	vh
440-184031-1	MC-51-20170509	5/9/2017	8260B	87-68-3	Hexachlorobutadiene		U	5.0	10	ug/l	UJ	vh
440-184031-1	MC-51-20170509	5/9/2017	8260B	75-34-3	1,1-Dichloroethane	7.3	J	5.0	10	ug/l	J-	vh,sp
440-184031-1	MC-53-20170509	5/9/2017	8260B	107-06-2	1,2-Dichloroethane	0.45	J	0.25	0.50	ug/l	J	sp
440-184031-1	MC-53-20170509	5/9/2017	8260B	108-90-7	Chlorobenzene	0.28	J	0.25	0.50	ug/l	J	sp
440-184031-1	MC-93-20170509	5/9/2017	8260B	107-06-2	1,2-Dichloroethane	0.33	J	0.25	0.50	ug/l	J	sp
440-184132-1	M-73-20170510-TB17	5/10/2017	8260B	87-68-3	Hexachlorobutadiene		U	0.25	0.50	ug/l	UJ	vh
440-184132-1	M-73-20170510-TB17	5/10/2017	8260B	91-20-3	Naphthalene		U	0.40	1.0	ug/l	UJ	vh
440-184132-1	M-73-20170510-TB17	5/10/2017	8260B	95-47-6	ortho-xylene		U	0.25	0.50	ug/l	UJ	vh
440-184132-1	M-73-20170510-TB17	5/10/2017	8260B	79-00-5	1,1,2-Trichloroethane		U	0.25	0.50	ug/l	UJ	vh
440-184132-1	M-73-20170510-TB17	5/10/2017	8260B	124-48-1	Dibromochloromethane		U	0.25	0.50	ug/l	UJ	vh
440-184132-1	M-73-20170510-TB17	5/10/2017	8260B	78-87-5	1,2-Dichloropropane		U	0.25	0.50	ug/l	UJ	vh
440-184132-1	M-73-20170510-TB17	5/10/2017	8260B	95-49-8	2-Chlorotoluene		U	0.25	0.50	ug/l	UJ	vh
440-184132-1	M-73-20170510-TB17	5/10/2017	8260B	127-18-4	Tetrachloroethene		U	0.25	0.50	ug/l	UJ	vh
440-184132-1	M-73-20170510-TB17	5/10/2017	8260B	75-01-4	Vinyl Chloride		U	0.25	0.50	ug/l	UJ	vh
440-184132-1	M-73-20170510-TB17	5/10/2017	8260B	96-12-8	1,2-Dibromo-3-chloropropane		U	0.50	1.0	ug/l	UJ	vh
440-184132-1	M-73-20170510-TB17	5/10/2017	8260B	95-63-6	1,2,4-Trimethylbenzene		U	0.25	0.50	ug/l	UJ	vh
440-184132-1	M-73-20170510-TB17	5/10/2017	8260B	104-51-8	n-Butylbenzene		U	0.40	1.0	ug/l	UJ	vh
440-184132-1	M-73-20170510-TB17	5/10/2017	8260B	99-87-6	p-Cymene		U	0.25	0.50	ug/l	UJ	vh
440-184132-1	M-73-20170510-TB17	5/10/2017	8260B	74-83-9	Bromomethane		U	0.25	0.50	ug/l	UJ	vh
440-184132-1	M-73-20170510-TB17	5/10/2017	8260B	74-95-3	Dibromomethane		U	0.25	0.50	ug/l	UJ	vh
440-184132-1	M-73-20170510-TB17	5/10/2017	8260B	75-69-4	Trichlorofluoromethane		U	0.25	0.50	ug/l	UJ	vh
440-184132-1	M-73-20170510-TB17	5/10/2017	8260B	156-60-5	trans-1,2-Dichloroethene		U	0.25	0.50	ug/l	UJ	vh
440-184132-1	M-73-20170510-TB17	5/10/2017	8260B	106-43-4	4-Chlorotoluene		U	0.25	0.50	ug/l	UJ	vh
440-184132-1	M-73-20170510-TB17	5/10/2017	8260B	108-88-3	Toluene		U	0.25	0.50	ug/l	UJ	vh
440-184132-1	M-73-20170510-TB17	5/10/2017	8260B	78-93-3	2-Butanone		U	2.5	5.0	ug/l	UJ	vh
440-184132-1	M-73-20170510-TB17	5/10/2017	8260B	56-23-5	Carbon Tetrachloride		U	0.25	0.50	ug/l	UJ	vh
440-184132-1	M-73-20170510-TB17	5/10/2017	8260B	75-71-8	Dichlorodifluoromethane		U	0.40	1.0	ug/l	UJ	vh
440-184132-1	M-73-20170510-TB17	5/10/2017	8260B	100-41-4	Ethyl Benzene		U	0.25	0.50	ug/l	UJ	vh
440-184132-1	M-73-20170510-TB17	5/10/2017	8260B	142-28-9	1,3-Dichloropropane		U	0.25	0.50	ug/l	UJ	vh
440-184132-1	M-73-20170510-TB17	5/10/2017	8260B	630-20-6	1,1,1,2-Tetrachloroethane		U	0.25	0.50	ug/l	UJ	vh
440-184132-1	M-73-20170510-TB17	5/10/2017	8260B	75-35-4	1,1-Dichloroethene		U	0.25	0.50	ug/l	UJ	vh
440-184132-1	M-73-20170510-TB17	5/10/2017	8260B	71-55-6	1,1,1-Trichloroethane		U	0.25	0.50	ug/l	UJ	vh

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code
440-184132-1	M-73-20170510-TB17	5/10/2017	8260B	75-00-3	Chloroethane		U	0.40	1.0	ug/l	UJ	vh
440-184132-1	M-73-20170510-TB17	5/10/2017	8260B	75-09-2	Methylene Chloride		U	0.88	2.0	ug/l	UJ	vh
440-184132-1	M-73-20170510-TB17	5/10/2017	8260B	75-27-4	Bromodichloromethane		U	0.25	0.50	ug/l	UJ	vh
440-184132-1	M-73-20170510-TB17	5/10/2017	8260B	136777-61-2	m,p-xylene		U	0.50	1.0	ug/l	UJ	vh
440-184132-1	M-73-20170510-TB17	5/10/2017	8260B	100-42-5	Styrene		U	0.25	0.50	ug/l	UJ	vh
440-184132-1	M-73-20170510-TB17	5/10/2017	8260B	71-43-2	Benzene		U	0.25	0.50	ug/l	UJ	vh
440-184132-1	M-73-20170510-TB17	5/10/2017	8260B	67-66-3	Chloroform		U	0.25	0.50	ug/l	UJ	vh
440-184132-1	M-73-20170510-TB17	5/10/2017	8260B	74-87-3	Chloromethane		U	0.25	0.50	ug/l	UJ	vh
440-184132-1	M-73-20170510-TB17	5/10/2017	8260B	98-06-6	tert-Butylbenzene		U	0.25	0.50	ug/l	UJ	vh
440-184132-1	M-73-20170510-TB17	5/10/2017	8260B	96-18-4	1,2,3-Trichloropropane		U	0.40	1.0	ug/l	UJ	vh
440-184132-1	M-73-20170510-TB17	5/10/2017	8260B	87-61-6	1,2,3-Trichlorobenzene		U	0.40	1.0	ug/l	UJ	vh
440-184132-1	M-73-20170510-TB17	5/10/2017	8260B	563-58-6	1,1-Dichloropropene		U	0.25	0.50	ug/l	UJ	vh
440-184132-1	M-73-20170510-TB17	5/10/2017	8260B	594-20-7	2,2-Dichloropropane		U	0.40	1.0	ug/l	UJ	vh
440-184132-1	M-73-20170510-TB17	5/10/2017	8260B	107-06-2	1,2-Dichloroethane		U	0.25	0.50	ug/l	UJ	vh
440-184132-1	M-73-20170510-TB17	5/10/2017	8260B	75-34-3	1,1-Dichloroethane		U	0.25	0.50	ug/l	UJ	vh
440-184132-1	M-73-20170510-TB17	5/10/2017	8260B	74-97-5	Bromochloromethane		U	0.25	0.50	ug/l	UJ	vh
440-184132-1	M-73-20170510-TB17	5/10/2017	8260B	120-82-1	1,2,4-Trichlorobenzene		U	0.40	1.0	ug/l	UJ	vh
440-184132-1	M-73-20170510-TB17	5/10/2017	8260B	10061-01-5	cis-1,3-Dichloropropene		U	0.25	0.50	ug/l	UJ	vh
440-184132-1	M-73-20170510-TB17	5/10/2017	8260B	79-34-5	1,1,2,2-Tetrachloroethane		U	0.25	0.50	ug/l	UJ	vh
440-184132-1	M-73-20170510-TB17	5/10/2017	8260B	541-73-1	1,3-Dichlorobenzene		U	0.25	0.50	ug/l	UJ	vh
440-184132-1	M-73-20170510-TB17	5/10/2017	8260B	637-92-3	Ethyl tert-butyl ether		U	0.25	0.50	ug/l	UJ	vh
440-184132-1	M-73-20170510-TB17	5/10/2017	8260B	75-25-2	Bromoform		U	0.40	1.0	ug/l	UJ	vh
440-184132-1	M-73-20170510-TB17	5/10/2017	8260B	156-59-2	cis-1,2-Dichloroethene		U	0.25	0.50	ug/l	UJ	vh
440-184132-1	M-73-20170510-TB17	5/10/2017	8260B	135-98-8	sec-Butylbenzene		U	0.25	0.50	ug/l	UJ	vh
440-184132-1	M-73-20170510-TB17	5/10/2017	8260B	106-93-4	1,2-Dibromoethane		U	0.25	0.50	ug/l	UJ	vh
440-184132-1	M-73-20170510-TB17	5/10/2017	8260B	108-90-7	Chlorobenzene		U	0.25	0.50	ug/l	UJ	vh
440-184132-1	M-73-20170510-TB17	5/10/2017	8260B	103-65-1	n-Propylbenzene		U	0.25	0.50	ug/l	UJ	vh
440-184132-1	M-73-20170510-TB17	5/10/2017	8260B	108-67-8	1,3,5-Trimethylbenzene		U	0.25	0.50	ug/l	UJ	vh
440-184132-1	M-73-20170510-TB17	5/10/2017	8260B	79-01-6	Trichloroethene		U	0.25	0.50	ug/l	UJ	vh
440-184132-1	M-73-20170510-TB17	5/10/2017	8260B	98-82-8	Cumene		U	0.25	0.50	ug/l	UJ	vh
440-184132-1	M-73-20170510-TB17	5/10/2017	8260B	108-86-1	Bromobenzene		U	0.25	0.50	ug/l	UJ	vh
440-184132-1	M-73-20170510-TB17	5/10/2017	8260B	106-46-7	1,4-Dichlorobenzene		U	0.25	0.50	ug/l	UJ	vh
440-184132-1	M-73-20170510-TB17	5/10/2017	8260B	10061-02-6	trans-1,3-Dichloropropene		U	0.25	0.50	ug/l	UJ	vh
440-184132-1	M-73-20170510-TB17	5/10/2017	8260B	95-50-1	1,2-Dichlorobenzene		U	0.25	0.50	ug/l	UJ	vh
440-184133-1	M-7B-20170510	5/10/2017	8260B	108-88-3	Toluene	0.25	J	0.25	0.50	ug/l	J	sp
440-184133-1	H-28A-20170510	5/10/2017	8260B	71-43-2	Benzene	4.7	J	2.5	5.0	ug/l	J	sp
440-184134-1	M-162-20170510-FB11	5/10/2017	8260B	75-09-2	Methylene Chloride	0.95	J	0.88	2.0	ug/l	J	sp
440-184135-1	M-126-20170510-TB16	5/10/2017	8260B	67-66-3	Chloroform	0.29	J	0.25	0.50	ug/l	J	sp
440-184135-1	M-126-20170510	5/10/2017	8260B	541-73-1	1,3-Dichlorobenzene	35	J	25	50	ug/l	J	sp
440-184135-1	M-134-20170510	5/10/2017	8260B	56-23-5	Carbon Tetrachloride	0.30	J	0.25	0.50	ug/l	J	sp
440-184135-1	M-69-20170510	5/10/2017	8260B	79-01-6	Trichloroethene	0.27	J	0.25	0.50	ug/l	J	sp
440-184135-1	M-69-20170510	5/10/2017	8260B	127-18-4	Tetrachloroethene	0.31	J	0.25	0.50	ug/l	J	sp
440-184135-1	M-38-20170510-FB4	5/10/2017	8260B	67-66-3	Chloroform	0.53		0.25	0.50	ug/l	J	bt
440-184135-1	M-38-20170510-FB4	5/10/2017	8260B	75-09-2	Methylene Chloride	1.9	J	0.88	2.0	ug/l	J	sp

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code
440-184136-1	M-135-20170510-FD10	5/10/2017	8260B	67-66-3	Chloroform	670		1.3	2.5	ug/l	J	fd
440-184136-1	M-135-20170510	5/10/2017	8260B	67-66-3	Chloroform	140		0.63	1.3	ug/l	J	fd
440-184136-1	M-135-20170510-FD10	5/10/2017	8260B	75-09-2	Methylene Chloride	8.5	J	4.4	10	ug/l	J	sp
440-184136-1	M-135-20170510	5/10/2017	8260B	79-01-6	Trichloroethene	0.76	J	0.63	1.3	ug/l	J	sp
440-184136-1	M-135-20170510	5/10/2017	8260B	56-23-5	Carbon Tetrachloride	1.1	J	0.63	1.3	ug/l	J	sp
440-184136-1	M-70-20170510	5/10/2017	8260B	75-09-2	Methylene Chloride	8.7	J	4.4	10	ug/l	J	sp
440-184136-1	M-70-20170510	5/10/2017	8260B	75-25-2	Bromoform	2.0	J	2.0	5.0	ug/l	J	sp
440-184136-1	M-71-20170510	5/10/2017	8260B	75-09-2	Methylene Chloride	9.6	J	4.4	10	ug/l	J	sp
440-184136-1	M-164-20170510	5/10/2017	8260B	75-09-2	Methylene Chloride	5.8	J	4.4	10	ug/l	J	sp
440-184137-1	M-64-20170510-TB20	5/10/2017	8260B	100-42-5	Styrene	0.25	J	0.25	0.50	ug/l	J	sp
440-184295-1	M-5A-20170511	5/11/2017	8260B	75-09-2	Methylene Chloride	4.4	J	4.4	10	ug/l	J	sp
440-184295-1	TR-6-20170511	5/11/2017	8260B	127-18-4	Tetrachloroethene	9.5	J	6.3	13	ug/l	J	sp
440-184295-1	TR-6-20170511-FD12	5/11/2017	8260B	75-09-2	Methylene Chloride	22	J	22	50	ug/l	J	sp
440-184295-1	TR-6-20170511-FD12	5/11/2017	8260B	127-18-4	Tetrachloroethene	8.6	J	6.3	13	ug/l	J	sp
440-184295-1	M-103-20170511	5/11/2017	8260B	67-66-3	Chloroform	0.34	J	0.25	0.50	ug/l	J	sp
440-184296-1	M-97-20170511	5/11/2017	8260B	75-34-3	1,1-Dichloroethane	0.27	J	0.25	0.50	ug/l	J	sp
440-184296-1	M-35-20170511	5/11/2017	8260B	75-09-2	Methylene Chloride	4.9	J	4.4	10	ug/l	J	sp
440-184297-1	M-138-20170511	5/11/2017	8260B	75-34-3	1,1-Dichloroethane	0.46	J	0.25	0.50	ug/l	J	sp
440-184297-1	M-81A-20170511	5/11/2017	8260B	56-23-5	Carbon Tetrachloride	3.7	J	2.5	5.0	ug/l	J	sp
440-184297-1	M-80-20170511-FD4	5/11/2017	8260B	75-25-2	Bromoform	1.6	J	1.0	2.5	ug/l	J	sp
440-184297-1	M-80-20170511	5/11/2017	8260B	56-23-5	Carbon Tetrachloride	2.0	J	1.3	2.5	ug/l	J	sp
440-184299-1	M-192-20170511	5/11/2017	8260B	127-18-4	Tetrachloroethene	0.28	J	0.25	0.50	ug/l	J	sp
440-184299-1	M-192-20170511	5/11/2017	8260B	75-27-4	Bromodichloromethane	0.45	J	0.25	0.50	ug/l	J	sp
440-184299-1	M-83-20170511	5/11/2017	8260B	106-46-7	1,4-Dichlorobenzene	0.70	J	0.63	1.3	ug/l	J	sp
440-184299-1	M-83-20170511	5/11/2017	8260B	95-50-1	1,2-Dichlorobenzene	0.87	J	0.63	1.3	ug/l	J	sp
440-184299-1	M-83-20170511	5/11/2017	8260B	75-25-2	Bromoform	2.1	J	1.0	2.5	ug/l	J	sp
440-184299-1	M-83-20170511-FD14	5/11/2017	8260B	106-46-7	1,4-Dichlorobenzene	0.73	J	0.63	1.3	ug/l	J	sp
440-184299-1	M-83-20170511-FD14	5/11/2017	8260B	75-25-2	Bromoform	2.3	J	1.0	2.5	ug/l	J	sp
440-184299-1	M-83-20170511-FD14	5/11/2017	8260B	95-50-1	1,2-Dichlorobenzene	0.79	J	0.63	1.3	ug/l	J	sp
440-184299-1	M-83-20170511-FD14	5/11/2017	8260B	75-27-4	Bromodichloromethane	0.65	J	0.63	1.3	ug/l	J	sp
440-184300-1	M-76-20170511	5/11/2017	8260B	56-23-5	Carbon Tetrachloride	0.45	J	0.25	0.50	ug/l	J	sp
440-184300-1	M-76-20170511	5/11/2017	8260B	127-18-4	Tetrachloroethene	0.33	J	0.25	0.50	ug/l	J	sp
440-184300-1	M-76-20170511	5/11/2017	8260B	108-88-3	Toluene	0.31	J	0.25	0.50	ug/l	J	sp
440-184394-1	M-75-20170512	5/12/2017	8260B	75-35-4	1,1-Dichloroethene	0.44	J	0.25	0.50	ug/l	J	sp
440-184394-1	M-75-20170512	5/12/2017	8260B	108-88-3	Toluene	0.31	J	0.25	0.50	ug/l	J	sp
440-184394-1	M-186D-20170512	5/12/2017	8260B	108-88-3	Toluene	0.29	J	0.25	0.50	ug/l	J	sp
440-184395-1	M-13-20170512-TB26	5/12/2017	8260B	75-09-2	Methylene Chloride	1.9	J	0.88	2.0	ug/l	J	sp
440-184395-1	M-13-20170512	5/12/2017	8260B	75-09-2	Methylene Chloride	1.6	J	0.88	2.0	ug/l	J	bt,sp
440-184395-1	M-13-20170512-FD13	5/12/2017	8260B	75-09-2	Methylene Chloride	1.8	J	0.88	2.0	ug/l	J	bt,sp
440-184395-1	M-148A-20170512	5/12/2017	8260B	75-09-2	Methylene Chloride	1.8	J	0.88	2.0	ug/l	J	be,bt,sp
440-184395-1	M-148A-20170512-EB12	5/12/2017	8260B	75-09-2	Methylene Chloride	1.6	J	0.88	2.0	ug/l	J	bt,sp
440-184395-1	M-149-20170512	5/12/2017	8260B	75-09-2	Methylene Chloride	1.7	J	0.88	2.0	ug/l	J	bt,sp
440-184395-1	M-153-20170512	5/12/2017	8260B	75-09-2	Methylene Chloride	1.7	J	0.88	2.0	ug/l	J	bt,sp
440-184396-1	M-123-20170512	5/12/2017	8260B	75-09-2	Methylene Chloride	220	J	180	400	ug/l	J	sp

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SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code
440-184396-1	M-123-20170512	5/12/2017	8260B	127-18-4	Tetrachloroethene	98	J	50	100	ug/l	J	sp
440-184396-1	M-123-20170512	5/12/2017	8260B	75-69-4	Trichlorofluoromethane	74	J	50	100	ug/l	J	sp
440-184396-1	M-191-20170512	5/12/2017	8260B	108-90-7	Chlorobenzene	0.39	J	0.25	0.50	ug/l	J	sp
440-184396-1	M-191-20170512	5/12/2017	8260B	108-88-3	Toluene	0.40	J	0.25	0.50	ug/l	J	sp
440-184396-1	M-191-20170512	5/12/2017	8260B	75-27-4	Bromodichloromethane	0.43	J	0.25	0.50	ug/l	J	sp
440-184396-1	M-191-20170512	5/12/2017	8260B	127-18-4	Tetrachloroethene	0.41	J	0.25	0.50	ug/l	J	sp
440-184396-1	M-191-20170512-FB14	5/12/2017	8260B	75-09-2	Methylene Chloride	0.98	J	0.88	2.0	ug/l	J	bt,sp
440-184396-1	M-193-20170512	5/12/2017	8260B	75-09-2	Methylene Chloride	1.1	J	0.88	2.0	ug/l	J	bt,sp
440-184396-1	TR-7-20170512-EB14	5/12/2017	8260B	75-09-2	Methylene Chloride	2.3		0.88	2.0	ug/l	J	bt
440-184397-1	M-190-20170512	5/12/2017	8260B	75-09-2	Methylene Chloride	1.6	J	0.88	2.0	ug/l	J	sp
440-184397-1	M-189-20170512	5/12/2017	8260B	75-27-4	Bromodichloromethane	0.26	J	0.25	0.50	ug/l	J	sp
440-184397-1	M-189-20170512	5/12/2017	8260B	75-09-2	Methylene Chloride	1.9	J	0.88	2.0	ug/l	J	sp
440-184461-1	M-129-20170515	5/15/2017	8260B	87-68-3	Hexachlorobutadiene	1.3	J	1.3	2.5	ug/l	J	sp
440-184461-1	M-129-20170515	5/15/2017	8260B	127-18-4	Tetrachloroethene	1.3	J	1.3	2.5	ug/l	J	sp
440-184462-1	M-10-20170515	5/15/2017	8260B	75-09-2	Methylene Chloride	1.3	J	0.88	2.0	ug/l	J	sp
440-186327-1	PC-59-20170612	6/12/2017	8260B	75-34-3	1,1-Dichloroethane	0.32	J	0.25	0.50	ug/l	J	sp
440-186327-1	PC-60-20170612	6/12/2017	8260B	75-34-3	1,1-Dichloroethane	0.29	J	0.25	0.50	ug/l	J	sp
440-186327-1	HM-2-20170612	6/12/2017	8260B	56-23-5	Carbon Tetrachloride	0.55		0.25	0.50	ug/l	J	fd
440-186327-1	HM-2-20170612-FD5	6/12/2017	8260B	56-23-5	Carbon Tetrachloride	0.76		0.25	0.50	ug/l	J	fd
440-186327-1	HM-2-20170612	6/12/2017	8260B	127-18-4	Tetrachloroethene	0.28	J	0.25	0.50	ug/l	J	sp
440-186333-1	PC-90-20170612	6/12/2017	8260B	120-82-1	1,2,4-Trichlorobenzene	0.45	J	0.40	1.0	ug/l	J	sp
440-186333-1	PC-90-20170612	6/12/2017	8260B	67-66-3	Chloroform	0.48	J	0.25	0.50	ug/l	J	sp
440-186333-1	PC-86-20170612	6/12/2017	8260B	120-82-1	1,2,4-Trichlorobenzene	0.43	J	0.40	1.0	ug/l	J	sp
440-186333-1	PC-82-20170612	6/12/2017	8260B	106-46-7	1,4-Dichlorobenzene	0.25	J	0.25	0.50	ug/l	J	sp
440-186333-1	PC-82-20170612	6/12/2017	8260B	108-90-7	Chlorobenzene	0.40	J	0.25	0.50	ug/l	J	sp
440-186333-1	PC-82-20170612	6/12/2017	8260B	108-88-3	Toluene	0.35	J	0.25	0.50	ug/l	J	sp
440-186333-1	PC-79-20170612	6/12/2017	8260B	120-82-1	1,2,4-Trichlorobenzene	0.70	J	0.40	1.0	ug/l	J	sp
440-186405-1	PC-62-20170613	6/13/2017	8260B	75-34-3	1,1-Dichloroethane	0.27	J	0.25	0.50	ug/l	J	sp
440-186405-1	MW-K5-20170613	6/13/2017	8260B	127-18-4	Tetrachloroethene	0.48	J	0.25	0.50	ug/l	J	sp
440-186405-1	MW-K5-20170613	6/13/2017	8260B	541-73-1	1,3-Dichlorobenzene	0.30	J	0.25	0.50	ug/l	J	sp
440-186405-1	MW-K5-20170613	6/13/2017	8260B	108-88-3	Toluene	0.31	J	0.25	0.50	ug/l	J	sp
440-186405-1	MW-K5-20170613	6/13/2017	8260B	106-46-7	1,4-Dichlorobenzene	0.27	J	0.25	0.50	ug/l	J	sp
440-186405-1	PC-103-20170613	6/13/2017	8260B	127-18-4	Tetrachloroethene	0.25	J	0.25	0.50	ug/l	J	sp
440-186405-1	PC-103-20170613	6/13/2017	8260B	541-73-1	1,3-Dichlorobenzene	0.33	J	0.25	0.50	ug/l	J	sp
440-186405-1	PC-103-20170613	6/13/2017	8260B	87-61-6	1,2,3-Trichlorobenzene	0.45	J	0.40	1.0	ug/l	J	sp
440-186405-1	PC-97-20170613	6/13/2017	8260B	120-82-1	1,2,4-Trichlorobenzene	0.83	J	0.40	1.0	ug/l	J	sp
440-186405-1	PC-96-20170613	6/13/2017	8260B	120-82-1	1,2,4-Trichlorobenzene	0.75	J	0.40	1.0	ug/l	J	sp
440-186405-1	PC-96-20170613-FD15	6/13/2017	8260B	120-82-1	1,2,4-Trichlorobenzene	0.79	J	0.40	1.0	ug/l	J	sp
440-186405-1	PC-91-20170613	6/13/2017	8260B	120-82-1	1,2,4-Trichlorobenzene	0.43	J	0.40	1.0	ug/l	J	sp
440-186558-1	DBMW-4-20170614	6/14/2017	8260B	75-09-2	Methylene Chloride	1.8	J	0.88	2.0	ug/l	J	sp
440-186558-1	PC-94-20170614	6/14/2017	8260B	127-18-4	Tetrachloroethene	0.37	J	0.25	0.50	ug/l	J	sp
440-186558-1	PC-144-20170614	6/14/2017	8260B	56-23-5	Carbon Tetrachloride	0.42	J	0.25	0.50	ug/l	J	sp
440-186558-1	PC-144-20170614	6/14/2017	8260B	127-18-4	Tetrachloroethene	0.33	J	0.25	0.50	ug/l	J	sp
440-186558-1	PC-144-20170614	6/14/2017	8260B	75-34-3	1,1-Dichloroethane	0.48	J	0.25	0.50	ug/l	J	sp

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code
440-186558-1	PC-144-20170614	6/14/2017	8260B	108-88-3	Toluene	0.40	J	0.25	0.50	ug/l	J	sp
440-186558-1	PC-144-20170614	6/14/2017	8260B	79-01-6	Trichloroethene	0.34	J	0.25	0.50	ug/l	J	sp
440-186558-1	PC-108-20170614	6/14/2017	8260B	106-46-7	1,4-Dichlorobenzene	0.32	J	0.25	0.50	ug/l	J	sp
440-186558-1	PC-108-20170614	6/14/2017	8260B	541-73-1	1,3-Dichlorobenzene	0.29	J	0.25	0.50	ug/l	J	sp
440-186558-1	PC-135A-20170614	6/14/2017	8260B	67-66-3	Chloroform	0.27	J	0.25	0.50	ug/l	J	sp
440-186558-1	PC-135A-20170614	6/14/2017	8260B	87-61-6	1,2,3-Trichlorobenzene	0.81	J	0.40	1.0	ug/l	J	sp
440-186558-1	PC-135A-20170614	6/14/2017	8260B	108-88-3	Toluene	0.25	J	0.25	0.50	ug/l	J	sp
440-186558-1	PC-135A-20170614	6/14/2017	8260B	108-90-7	Chlorobenzene	0.32	J	0.25	0.50	ug/l	J	sp
440-186558-1	ARP-1-20170614	6/14/2017	8260B	541-73-1	1,3-Dichlorobenzene	0.26	J	0.25	0.50	ug/l	J	sp
440-186558-1	ARP-1-20170614	6/14/2017	8260B	79-01-6	Trichloroethene	0.36	J	0.25	0.50	ug/l	J	sp
440-186558-1	PC-159-20170614	6/14/2017	8260B	95-50-1	1,2-Dichlorobenzene	0.26	J	0.25	0.50	ug/l	J	sp
440-186558-1	PC-159-20170614	6/14/2017	8260B	87-61-6	1,2,3-Trichlorobenzene	0.71	J	0.40	1.0	ug/l	J	sp
440-186558-1	PC-159-20170614	6/14/2017	8260B	106-46-7	1,4-Dichlorobenzene	0.37	J	0.25	0.50	ug/l	J	sp
440-186558-1	PC-159-20170614	6/14/2017	8260B	120-82-1	1,2,4-Trichlorobenzene	0.51	J	0.40	1.0	ug/l	J	sp
440-186558-1	PC-18-20170614	6/14/2017	8260B	108-88-3	Toluene	0.40	J	0.25	0.50	ug/l	J	sp
440-186558-1	PC-55-20170614	6/14/2017	8260B	67-66-3	Chloroform	0.28	J	0.25	0.50	ug/l	J	sp
440-186558-1	PC-55-20170614	6/14/2017	8260B	87-61-6	1,2,3-Trichlorobenzene	0.65	J	0.40	1.0	ug/l	J	sp
440-186558-1	PC-160-20170614	6/14/2017	8260B	541-73-1	1,3-Dichlorobenzene	0.41	J	0.25	0.50	ug/l	J	sp
440-186558-1	PC-160-20170614	6/14/2017	8260B	87-61-6	1,2,3-Trichlorobenzene	0.81	J	0.40	1.0	ug/l	J	sp
440-186558-1	PC-142-20170614	6/14/2017	8260B	87-61-6	1,2,3-Trichlorobenzene	0.41	J	0.40	1.0	ug/l	J	sp
440-186652-1	PC-122-20170615	6/15/2017	8260B	79-01-6	Trichloroethene	0.38	J	0.25	0.50	ug/l	J	sp
440-186652-1	ARP-6B-20170615	6/15/2017	8260B	79-01-6	Trichloroethene	0.34	J	0.25	0.50	ug/l	J	sp
440-186652-1	ARP-5A-20170615	6/15/2017	8260B	107-06-2	1,2-Dichloroethane	0.40	J	0.25	0.50	ug/l	J	sp
440-186652-1	PC-148-20170615	6/15/2017	8260B	108-88-3	Toluene	0.44	J	0.25	0.50	ug/l	J	sp
440-186652-1	MW-K4-20170615	6/15/2017	8260B	75-34-3	1,1-Dichloroethane	0.46	J	0.25	0.50	ug/l	J	sp
440-186652-1	MW-K4-20170615	6/15/2017	8260B	79-01-6	Trichloroethene	0.30	J	0.25	0.50	ug/l	J	sp
440-186652-1	MW-K4-20170615	6/15/2017	8260B	127-18-4	Tetrachloroethene	0.30	J	0.25	0.50	ug/l	J	sp
440-186652-1	ARP-7-20170615	6/15/2017	8260B	79-01-6	Trichloroethene	0.34	J	0.25	0.50	ug/l	J	sp
440-186652-1	ARP-7-20170615	6/15/2017	8260B	75-35-4	1,1-Dichloroethene	0.29	J	0.25	0.50	ug/l	J	sp
440-186652-1	ARP-3A-20170615	6/15/2017	8260B	108-88-3	Toluene	0.32	J	0.25	0.50	ug/l	J	sp
440-186652-1	PC-156B-20170615	6/15/2017	8260B	120-82-1	1,2,4-Trichlorobenzene	0.40	J	0.40	1.0	ug/l	J	sp
440-186727-1	M-44-20170616	6/16/2017	8260B	106-46-7	1,4-Dichlorobenzene	0.25	J	0.25	0.50	ug/l	J	sp
440-187344-1	M-182-20170627-TB31	6/27/2017	8260B	74-97-5	Bromochloromethane		U	0.25	0.50	ug/l	UJ	vh
440-187344-1	M-182-20170627-TB31	6/27/2017	8260B	75-34-3	1,1-Dichloroethane		U	0.25	0.50	ug/l	UJ	vh
440-187344-1	M-182-20170627-TB31	6/27/2017	8260B	120-82-1	1,2,4-Trichlorobenzene		U	0.40	1.0	ug/l	UJ	vh
440-187344-1	M-182-20170627-TB31	6/27/2017	8260B	71-43-2	Benzene		U	0.25	0.50	ug/l	UJ	vh
440-187344-1	M-182-20170627-TB31	6/27/2017	8260B	594-20-7	2,2-Dichloropropane		U	0.40	1.0	ug/l	UJ	vh
440-187344-1	M-182-20170627-TB31	6/27/2017	8260B	67-66-3	Chloroform		U	0.25	0.50	ug/l	UJ	vh
440-187344-1	M-182-20170627-TB31	6/27/2017	8260B	156-59-2	cis-1,2-Dichloroethene		U	0.25	0.50	ug/l	UJ	vh
440-187344-1	M-182-20170627-TB31	6/27/2017	8260B	108-88-3	Toluene		U	0.25	0.50	ug/l	UJ	vh
440-187344-1	M-182-20170627-TB31	6/27/2017	8260B	637-92-3	Ethyl tert-butyl ether		U	0.25	0.50	ug/l	UJ	vh
440-187344-1	M-182-20170627-TB31	6/27/2017	8260B	107-06-2	1,2-Dichloroethane		U	0.25	0.50	ug/l	UJ	vh
440-187344-1	M-182-20170627-TB31	6/27/2017	8260B	87-61-6	1,2,3-Trichlorobenzene		U	0.40	1.0	ug/l	UJ	vh
440-187344-1	M-182-20170627-TB31	6/27/2017	8260B	96-18-4	1,2,3-Trichloropropane		U	0.40	1.0	ug/l	UJ	vh

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SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code
440-187344-1	M-182-20170627-TB31	6/27/2017	8260B	98-82-8	Cumene		U	0.25	0.50	ug/l	UJ	vh
440-187344-1	M-182-20170627-TB31	6/27/2017	8260B	563-58-6	1,1-Dichloropropene		U	0.25	0.50	ug/l	UJ	vh
440-187344-1	M-182-20170627-TB31	6/27/2017	8260B	74-87-3	Chloromethane		U	0.25	0.50	ug/l	UJ	vh
440-187344-1	M-182-20170627-TB31	6/27/2017	8260B	79-34-5	1,1,2,2-Tetrachloroethane		U	0.25	0.50	ug/l	UJ	vh
440-187344-1	M-182-20170627-TB31	6/27/2017	8260B	108-86-1	Bromobenzene		U	0.25	0.50	ug/l	UJ	vh
440-187344-1	M-182-20170627-TB31	6/27/2017	8260B	106-46-7	1,4-Dichlorobenzene		U	0.25	0.50	ug/l	UJ	vh
440-187344-1	M-182-20170627-TB31	6/27/2017	8260B	106-93-4	1,2-Dibromoethane		U	0.25	0.50	ug/l	UJ	vh
440-187344-1	M-182-20170627-TB31	6/27/2017	8260B	10061-02-6	trans-1,3-Dichloropropene		U	0.25	0.50	ug/l	UJ	vh
440-187344-1	M-182-20170627-TB31	6/27/2017	8260B	98-06-6	tert-Butylbenzene		U	0.25	0.50	ug/l	UJ	vh
440-187344-1	M-182-20170627-TB31	6/27/2017	8260B	91-20-3	Naphthalene		U	0.40	1.0	ug/l	UJ	vh
440-187344-1	M-182-20170627-TB31	6/27/2017	8260B	95-47-6	ortho-xylene		U	0.25	0.50	ug/l	UJ	vh
440-187344-1	M-182-20170627-TB31	6/27/2017	8260B	78-93-3	2-Butanone		U	2.5	5.0	ug/l	UJ	vh
440-187344-1	M-182-20170627-TB31	6/27/2017	8260B	75-71-8	Dichlorodifluoromethane		U	0.40	1.0	ug/l	UJ	vh
440-187344-1	M-182-20170627-TB31	6/27/2017	8260B	56-23-5	Carbon Tetrachloride		U	0.25	0.50	ug/l	UJ	vh
440-187344-1	M-182-20170627-TB31	6/27/2017	8260B	87-68-3	Hexachlorobutadiene		U	0.25	0.50	ug/l	UJ	vh
440-187344-1	M-182-20170627-TB31	6/27/2017	8260B	142-28-9	1,3-Dichloropropane		U	0.25	0.50	ug/l	UJ	vh
440-187344-1	M-182-20170627-TB31	6/27/2017	8260B	10061-01-5	cis-1,3-Dichloropropene		U	0.25	0.50	ug/l	UJ	vh
440-187344-1	M-182-20170627-TB31	6/27/2017	8260B	100-42-5	Styrene		U	0.25	0.50	ug/l	UJ	vh
440-187344-1	M-182-20170627-TB31	6/27/2017	8260B	79-00-5	1,1,2-Trichloroethane		U	0.25	0.50	ug/l	UJ	vh
440-187344-1	M-182-20170627-TB31	6/27/2017	8260B	104-51-8	n-Butylbenzene		U	0.40	1.0	ug/l	UJ	vh
440-187344-1	M-182-20170627-TB31	6/27/2017	8260B	156-60-5	trans-1,2-Dichloroethene		U	0.25	0.50	ug/l	UJ	vh
440-187344-1	M-182-20170627-TB31	6/27/2017	8260B	96-12-8	1,2-Dibromo-3-chloropropane		U	0.50	1.0	ug/l	UJ	vh
440-187344-1	M-182-20170627-TB31	6/27/2017	8260B	136777-61-2	m,p-xylene		U	0.50	1.0	ug/l	UJ	vh
440-187344-1	M-182-20170627-TB31	6/27/2017	8260B	630-20-6	1,1,1,2-Tetrachloroethane		U	0.25	0.50	ug/l	UJ	vh
440-187344-1	M-182-20170627-TB31	6/27/2017	8260B	75-09-2	Methylene Chloride		U	0.88	2.0	ug/l	UJ	vh
440-187344-1	M-182-20170627-TB31	6/27/2017	8260B	71-55-6	1,1,1-Trichloroethane		U	0.25	0.50	ug/l	UJ	vh
440-187344-1	M-182-20170627-TB31	6/27/2017	8260B	75-00-3	Chloroethane		U	0.40	1.0	ug/l	UJ	vh
440-187344-1	M-182-20170627-TB31	6/27/2017	8260B	75-35-4	1,1-Dichloroethene		U	0.25	0.50	ug/l	UJ	vh
440-187344-1	M-182-20170627-TB31	6/27/2017	8260B	75-27-4	Bromodichloromethane		U	0.25	0.50	ug/l	UJ	vh
440-187344-1	M-182-20170627-TB31	6/27/2017	8260B	100-41-4	Ethyl Benzene		U	0.25	0.50	ug/l	UJ	vh
440-187344-1	M-182-20170627-TB31	6/27/2017	8260B	135-98-8	sec-Butylbenzene		U	0.25	0.50	ug/l	UJ	vh
440-187344-1	M-182-20170627-TB31	6/27/2017	8260B	108-67-8	1,3,5-Trimethylbenzene		U	0.25	0.50	ug/l	UJ	vh
440-187344-1	M-182-20170627-TB31	6/27/2017	8260B	103-65-1	n-Propylbenzene		U	0.25	0.50	ug/l	UJ	vh
440-187344-1	M-182-20170627-TB31	6/27/2017	8260B	108-90-7	Chlorobenzene		U	0.25	0.50	ug/l	UJ	vh
440-187344-1	M-182-20170627-TB31	6/27/2017	8260B	79-01-6	Trichloroethene		U	0.25	0.50	ug/l	UJ	vh
440-187344-1	M-182-20170627-TB31	6/27/2017	8260B	124-48-1	Dibromochloromethane		U	0.25	0.50	ug/l	UJ	vh
440-187344-1	M-182-20170627-TB31	6/27/2017	8260B	95-50-1	1,2-Dichlorobenzene		U	0.25	0.50	ug/l	UJ	vh
440-187344-1	M-182-20170627-TB31	6/27/2017	8260B	106-43-4	4-Chlorotoluene		U	0.25	0.50	ug/l	UJ	vh
440-187344-1	M-182-20170627-TB31	6/27/2017	8260B	127-18-4	Tetrachloroethene		U	0.25	0.50	ug/l	UJ	vh
440-187344-1	M-182-20170627-TB31	6/27/2017	8260B	74-83-9	Bromomethane		U	0.25	0.50	ug/l	UJ	vh
440-187344-1	M-182-20170627-TB31	6/27/2017	8260B	541-73-1	1,3-Dichlorobenzene		U	0.25	0.50	ug/l	UJ	vh
440-187344-1	M-182-20170627-TB31	6/27/2017	8260B	95-63-6	1,2,4-Trimethylbenzene		U	0.25	0.50	ug/l	UJ	vh
440-187344-1	M-182-20170627-TB31	6/27/2017	8260B	78-87-5	1,2-Dichloropropane		U	0.25	0.50	ug/l	UJ	vh
440-187344-1	M-182-20170627-TB31	6/27/2017	8260B	75-01-4	Vinyl Chloride		U	0.25	0.50	ug/l	UJ	vh

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440-187344-1	M-182-20170627-TB31	6/27/2017	8260B	75-69-4	Trichlorofluoromethane		U	0.25	0.50	ug/l	UJ	vh
440-187344-1	M-182-20170627-TB31	6/27/2017	8260B	99-87-6	p-Cymene		U	0.25	0.50	ug/l	UJ	vh
440-187344-1	M-182-20170627-TB31	6/27/2017	8260B	95-49-8	2-Chlorotoluene		U	0.25	0.50	ug/l	UJ	vh
440-187344-1	M-182-20170627-TB31	6/27/2017	8260B	75-25-2	Bromoform		U	0.40	1.0	ug/l	UJ	vh
440-187344-1	M-182-20170627-TB31	6/27/2017	8260B	74-95-3	Dibromomethane		U	0.25	0.50	ug/l	UJ	vh
440-183527-1	PC-82-20170502	5/2/2017	8260BSIM	96-18-4	1,2,3-Trichloropropane	0.0028	J	0.0025	0.0050	ug/l	J	sp
440-183605-1	DBMW-4-20170503	5/3/2017	8260BSIM	123-91-1	1,4-Dioxane	1.1	J	0.50	2.0	ug/l	J	sp
440-183605-1	DBMW-4-20170503-FD6	5/3/2017	8260BSIM	123-91-1	1,4-Dioxane	1.6	J	0.50	2.0	ug/l	J	sp
440-183605-1	PC-58-20170503	5/3/2017	8260BSIM	96-18-4	1,2,3-Trichloropropane	0.0026	J	0.0025	0.0050	ug/l	J	sp
440-183605-1	PC-56-20170503	5/3/2017	8260BSIM	96-18-4	1,2,3-Trichloropropane	0.0036	J	0.0025	0.0050	ug/l	J	sp
440-183612-1	PC-94-20170503	5/3/2017	8260BSIM	123-91-1	1,4-Dioxane	0.59	J	0.50	2.0	ug/l	J	sp
440-183612-1	PC-90-20170503	5/3/2017	8260BSIM	123-91-1	1,4-Dioxane	0.53	J	0.50	2.0	ug/l	J	sp
440-183695-1	ARP-3A-20170504	5/4/2017	8260BSIM	123-91-1	1,4-Dioxane	0.97	J	0.50	2.0	ug/l	J	sp
440-183695-1	M-44-20170504	5/4/2017	8260BSIM	123-91-1	1,4-Dioxane	0.86	J	0.50	2.0	ug/l	J	sp
440-183695-1	M-136-20170504	5/4/2017	8260BSIM	96-18-4	1,2,3-Trichloropropane	0.0036	J	0.0025	0.0050	ug/l	J	sp
440-183697-1	HM-2-20170504-FD5	5/4/2017	8260BSIM	123-91-1	1,4-Dioxane	1.3	J	0.50	2.0	ug/l	J	sp
440-183697-1	HM-2-20170504	5/4/2017	8260BSIM	123-91-1	1,4-Dioxane	1.4	J	0.50	2.0	ug/l	J	sp
440-183698-1	PC-122-20170504	5/4/2017	8260BSIM	123-91-1	1,4-Dioxane	1.3	J	0.50	2.0	ug/l	J	sp
440-183699-1	ARP-6B-20170504	5/4/2017	8260BSIM	123-91-1	1,4-Dioxane	0.89	J	0.50	2.0	ug/l	J	sp
440-183699-1	PC-148-20170504	5/4/2017	8260BSIM	123-91-1	1,4-Dioxane	0.86	J	0.50	2.0	ug/l	J	sp
440-183700-1	PC-2-20170504	5/4/2017	8260BSIM	123-91-1	1,4-Dioxane	0.85	J	0.50	2.0	ug/l	J	sp
440-183700-1	PC-4-20170504	5/4/2017	8260BSIM	123-91-1	1,4-Dioxane	1.4	J	0.50	2.0	ug/l	J	sp
440-183700-1	MW-K4-20170504	5/4/2017	8260BSIM	123-91-1	1,4-Dioxane	0.59	J	0.50	2.0	ug/l	J	sp
440-183700-1	PC-135A-20170504	5/4/2017	8260BSIM	96-18-4	1,2,3-Trichloropropane	0.0030	J	0.0025	0.0050	ug/l	J	sp
440-183700-1	PC-135A-20170504	5/4/2017	8260BSIM	123-91-1	1,4-Dioxane	1.1	J	0.50	2.0	ug/l	J	sp
440-183700-1	ARP-7-20170504	5/4/2017	8260BSIM	123-91-1	1,4-Dioxane	1.0	J	0.50	2.0	ug/l	J	sp
440-183701-1	PC-98R-20170504	5/4/2017	8260BSIM	123-91-1	1,4-Dioxane	0.50	J	0.50	2.0	ug/l	J	sp
440-183701-1	MW-K5-20170504	5/4/2017	8260BSIM	123-91-1	1,4-Dioxane	0.56	J	0.50	2.0	ug/l	J	sp
440-183701-1	PC-160-20170504	5/4/2017	8260BSIM	123-91-1	1,4-Dioxane	0.58	J	0.50	2.0	ug/l	J	sp
440-183798-1	PC-132-20170505	5/5/2017	8260BSIM	123-91-1	1,4-Dioxane	1.3	J	0.50	2.0	ug/l	J	sp
440-183798-1	PC-132-20170505	5/5/2017	8260BSIM	96-18-4	1,2,3-Trichloropropane	0.0045	J	0.0025	0.0050	ug/l	J	sp
440-183801-1	PC-145-20170505	5/5/2017	8260BSIM	123-91-1	1,4-Dioxane	1.1	J	0.50	2.0	ug/l	J	sp
440-183801-1	PC-127-20170505	5/5/2017	8260BSIM	123-91-1	1,4-Dioxane	0.54	J	0.50	2.0	ug/l	J	sp
440-183803-1	PC-129-20170505	5/5/2017	8260BSIM	123-91-1	1,4-Dioxane	0.62	J	0.50	2.0	ug/l	J	sp
440-183803-1	PC-130-20170505	5/5/2017	8260BSIM	123-91-1	1,4-Dioxane	0.78	J	0.50	2.0	ug/l	J	sp
440-183807-1	PC-149-20170505	5/5/2017	8260BSIM	96-18-4	1,2,3-Trichloropropane	0.0040	J	0.0025	0.0050	ug/l	J	sp
440-183807-1	PC-131-20170505	5/5/2017	8260BSIM	123-91-1	1,4-Dioxane	1.8	J	0.50	2.0	ug/l	J	sp
440-183808-1	PC-123-20170505	5/5/2017	8260BSIM	123-91-1	1,4-Dioxane	0.62	J	0.50	2.0	ug/l	J	sp
440-183808-1	PC-124-20170505	5/5/2017	8260BSIM	123-91-1	1,4-Dioxane	1.5	J	0.50	2.0	ug/l	J	sp
440-183808-1	PC-124-20170505-FD8	5/5/2017	8260BSIM	123-91-1	1,4-Dioxane	1.5	J	0.50	2.0	ug/l	J	sp
440-183808-1	PC-125-20170505	5/5/2017	8260BSIM	123-91-1	1,4-Dioxane	0.90	J	0.50	2.0	ug/l	J	sp
440-183809-1	PC-126-20170505 - FD7	5/5/2017	8260BSIM	123-91-1	1,4-Dioxane	1.6	J	0.50	2.0	ug/l	J	sp
440-183809-1	PC-126-20170505	5/5/2017	8260BSIM	123-91-1	1,4-Dioxane	1.8	J	0.50	2.0	ug/l	J	sp
440-183809-1	HMW-16-20170505	5/5/2017	8260BSIM	96-18-4	1,2,3-Trichloropropane	0.0025	J	0.0025	0.0050	ug/l	J	sp

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code
440-183891-1	AA-01-20170508	5/8/2017	8260BSIM	123-91-1	1,4-Dioxane	1.4	J	0.50	2.0	ug/l	J	sp
440-183892-1	PC-101R-20170508	5/8/2017	8260BSIM	123-91-1	1,4-Dioxane	0.56	J	0.50	2.0	ug/l	J	sp
440-183894-1	PC-71-20170508	5/8/2017	8260BSIM	123-91-1	1,4-Dioxane	1.3	J	0.50	2.0	ug/l	J	sp
440-183894-1	PC-72-20170508	5/8/2017	8260BSIM	123-91-1	1,4-Dioxane	1.8	J	0.50	2.0	ug/l	J	sp
440-183894-1	PC-73-20170508	5/8/2017	8260BSIM	123-91-1	1,4-Dioxane	1.6	J	0.50	2.0	ug/l	J	sp
440-183895-1	M-48A-20170508	5/8/2017	8260BSIM	123-91-1	1,4-Dioxane	0.77	J	0.50	2.0	ug/l	J	sp
440-184025-1	M-37-20170509	5/9/2017	8260BSIM	123-91-1	1,4-Dioxane	1.2	J	0.50	2.0	ug/l	J	sp
440-184027-1	M-79-20170509	5/9/2017	8260BSIM	123-91-1	1,4-Dioxane	0.69	J	0.50	2.0	ug/l	J	sp
440-184027-1	M-79-20170509-FD9	5/9/2017	8260BSIM	123-91-1	1,4-Dioxane	0.68	J	0.50	2.0	ug/l	J	sp
440-184029-1	M-125-20170509	5/9/2017	8260BSIM	96-18-4	1,2,3-Trichloropropane	0.021		0.0025	0.0050	ug/l	J+	s
440-184029-1	M-125-20170509	5/9/2017	8260BSIM	123-91-1	1,4-Dioxane	0.87	J	0.50	2.0	ug/l	J+	s,sp
440-184031-1	MC-3-20170509	5/9/2017	8260BSIM	123-91-1	1,4-Dioxane		U	0.50	2.0	ug/l	UJ	s
440-184031-1	MC-3-20170509	5/9/2017	8260BSIM	96-18-4	1,2,3-Trichloropropane	0.0077	*	0.0025	0.0050	ug/l	J-	s,m
440-184031-1	MC-53-20170509	5/9/2017	8260BSIM	96-18-4	1,2,3-Trichloropropane	0.0036	J	0.0025	0.0050	ug/l	J	sp
440-184031-1	MC-93-20170509	5/9/2017	8260BSIM	123-91-1	1,4-Dioxane	0.75	J	0.50	2.0	ug/l	J	sp
440-184132-1	M-73-20170510	5/10/2017	8260BSIM	123-91-1	1,4-Dioxane	0.60	J	0.50	2.0	ug/l	J	sp
440-184132-1	M-74-20170510	5/10/2017	8260BSIM	123-91-1	1,4-Dioxane	0.58	J	0.50	2.0	ug/l	J	sp
440-184132-1	M-68-20170510	5/10/2017	8260BSIM	123-91-1	1,4-Dioxane	0.54	J	0.50	2.0	ug/l	J	sp
440-184132-1	M-67-20170510	5/10/2017	8260BSIM	123-91-1	1,4-Dioxane	0.55	J	0.50	2.0	ug/l	J	sp
440-184133-1	H-28A-20170510	5/10/2017	8260BSIM	123-91-1	1,4-Dioxane	0.73	J	0.50	2.0	ug/l	J	sp
440-184135-1	M-126-20170510	5/10/2017	8260BSIM	96-18-4	1,2,3-Trichloropropane	0.014		0.0025	0.0050	ug/l	J+	s
440-184135-1	M-69-20170510	5/10/2017	8260BSIM	123-91-1	1,4-Dioxane	0.56	J	0.50	2.0	ug/l	J	sp
440-184135-1	M-38-20170510	5/10/2017	8260BSIM	123-91-1	1,4-Dioxane	1.3	J	0.50	2.0	ug/l	J	sp
440-184136-1	M-70-20170510	5/10/2017	8260BSIM	123-91-1	1,4-Dioxane	0.55	J	0.50	2.0	ug/l	J	sp
440-184136-1	M-71-20170510	5/10/2017	8260BSIM	123-91-1	1,4-Dioxane	0.69	J	0.50	2.0	ug/l	J	sp
440-184136-1	M-164-20170510	5/10/2017	8260BSIM	123-91-1	1,4-Dioxane	0.63	J	0.50	2.0	ug/l	J	sp
440-184137-1	M-65-20170510	5/10/2017	8260BSIM	123-91-1	1,4-Dioxane	0.63	J	0.50	2.0	ug/l	J	sp
440-184137-1	M-66-20170510	5/10/2017	8260BSIM	123-91-1	1,4-Dioxane	0.67	J	0.50	2.0	ug/l	J	sp
440-184137-1	M-72-20170510	5/10/2017	8260BSIM	123-91-1	1,4-Dioxane	0.63	J	0.50	2.0	ug/l	J	sp
440-184137-1	M-147-20170510	5/10/2017	8260BSIM	123-91-1	1,4-Dioxane	0.55	J	0.50	2.0	ug/l	J	sp
440-184137-1	M-19-20170510	5/10/2017	8260BSIM	123-91-1	1,4-Dioxane	0.62	J	0.50	2.0	ug/l	J	sp
440-184295-1	M-5A-20170511	5/11/2017	8260BSIM	123-91-1	1,4-Dioxane	0.88	J	0.50	2.0	ug/l	J	sp
440-184295-1	TR-6-20170511-FD12	5/11/2017	8260BSIM	96-18-4	1,2,3-Trichloropropane	0.0027	J	0.0025	0.0050	ug/l	J	sp
440-184296-1	M-92-20170511	5/11/2017	8260BSIM	123-91-1	1,4-Dioxane	1.4	J	0.50	2.0	ug/l	J	sp
440-184296-1	M-145-20170511	5/11/2017	8260BSIM	123-91-1	1,4-Dioxane	1.7	J	0.50	2.0	ug/l	J	sp
440-184296-1	M-140-20170511	5/11/2017	8260BSIM	123-91-1	1,4-Dioxane	0.59	J	0.50	2.0	ug/l	J	sp
440-184300-1	M-124-20170511	5/11/2017	8260BSIM	96-18-4	1,2,3-Trichloropropane	0.0044	J	0.0025	0.0050	ug/l	J	sp
440-184300-1	M-115-20170511	5/11/2017	8260BSIM	123-91-1	1,4-Dioxane	1.3	J	0.50	2.0	ug/l	J	sp
440-184300-1	M-76-20170511	5/11/2017	8260BSIM	123-91-1	1,4-Dioxane	0.75	J	0.50	2.0	ug/l	J	sp
440-184392-1	M-141-20170512	5/12/2017	8260BSIM	123-91-1	1,4-Dioxane	0.71	J	0.50	2.0	ug/l	J	sp
440-184394-1	M-75-20170512	5/12/2017	8260BSIM	123-91-1	1,4-Dioxane	1.2	J	0.50	2.0	ug/l	J	sp
440-184395-1	M-148A-20170512	5/12/2017	8260BSIM	123-91-1	1,4-Dioxane	0.67	J	0.50	2.0	ug/l	J	sp
440-184396-1	M-123-20170512	5/12/2017	8260BSIM	123-91-1	1,4-Dioxane	0.65	J	0.50	2.0	ug/l	J	sp
440-184461-1	M-129-20170515	5/15/2017	8260BSIM	123-91-1	1,4-Dioxane	0.57	J	0.50	2.0	ug/l	J	sp

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code
440-184859-1	M-93-20170519	5/19/2017	8260BSIM	123-91-1	1,4-Dioxane	1.2	J	0.50	2.0	ug/l	J	sp
440-187344-1	M-182-20170627-TB31	6/27/2017	8260BSIM	96-18-4	1,2,3-Trichloropropane		U	0.0025	0.0050	ug/l	UJ	vh
440-187344-1	M-182-20170627-TB31	6/27/2017	8260BSIM	123-91-1	1,4-Dioxane		U	0.50	2.0	ug/l	UJ	vh
440-187344-1	M-182-20170627	6/27/2017	8260BSIM	123-91-1	1,4-Dioxane	0.50	J	0.50	2.0	ug/l	J	sp
440-173604-1	ART-2A 011617-20170116	1/16/2017	200.7	7440-47-3	Chromium (total)	0.0048	J	0.0025	0.0050	mg/l	J	sp
440-173604-1	ART-3A 011617 EB-20170116	1/16/2017	200.7	7440-47-3	Chromium (total)	0.0029	J	0.0025	0.0050	mg/l	J	sp
440-176092-1	M-38-20170208-FB4	2/8/2017	200.7	7440-47-3	Chromium (total)	0.0014	JB	0.00066	0.010	mg/l	J	sp
440-176093-1	M-10-20170208	2/8/2017	200.7	7440-47-3	Chromium (total)	0.0023	JB	0.00066	0.010	mg/l	J	bl,sp
440-177034-1	ART-2A-20170215	2/15/2017	200.7	7440-47-3	Chromium (total)	0.0037	J	0.00066	0.010	mg/l	J	sp
440-177034-1	PC-99R2/R3-20170215	2/15/2017	200.7	7440-47-3	Chromium (total)	0.00095	J	0.00066	0.010	mg/l	J	sp
440-177034-1	PC-116R-20170215	2/15/2017	200.7	7440-47-3	Chromium (total)	0.0026	J	0.00066	0.010	mg/l	J	sp
440-177034-1	PC-117-20170215	2/15/2017	200.7	7440-47-3	Chromium (total)	0.0011	J	0.00066	0.010	mg/l	J	sp
440-178218-1	I-G-20170227 EB	2/27/2017	200.7	7440-47-3	Chromium (total)	0.0013	JB	0.00066	0.010	mg/l	J	bl,sp
440-180060-1	ART-2A-20170320	3/20/2017	200.7	7440-47-3	Chromium (total)	0.0037	J	0.00066	0.010	mg/l	J	sp
440-180060-1	PC-150-20170320-EB	3/20/2017	200.7	7440-47-3	Chromium (total)	0.0017	J	0.00066	0.010	mg/l	J	sp
440-180060-1	PC-99R2/R3-20170320-FD	3/20/2017	200.7	7440-47-3	Chromium (total)	0.00075	J	0.00066	0.010	mg/l	J	sp
440-180060-1	PC-116R-20170320	3/20/2017	200.7	7440-47-3	Chromium (total)	0.0016	J	0.00066	0.010	mg/l	J	sp
440-180060-1	PC-117-20170320	3/20/2017	200.7	7440-47-3	Chromium (total)	0.0024	J	0.00066	0.010	mg/l	J	sp
440-180167-1	PC-133-20170321	3/21/2017	200.7	7440-47-3	Chromium (total)	0.00080	J	0.00066	0.010	mg/l	J	sp
440-180294-1	I-D-20170322-EB	3/22/2017	200.7	7440-47-3	Chromium (total)	0.0026	J	0.0025	0.0050	mg/l	J	sp
440-183527-1	PC-97-20170502	5/2/2017	200.7	7440-47-3	Chromium (total)	0.0030	J	0.0025	0.0050	mg/l	J	sp
440-183612-1	PC-91-20170503	5/3/2017	200.7	7440-47-3	Chromium (total)	0.0043	J	0.0025	0.0050	mg/l	J	sp
440-183700-1	PC-135A-20170504	5/4/2017	200.7	7440-47-3	Chromium (total)	0.0029	J	0.0025	0.0050	mg/l	J	sp
440-183701-1	MW-K5-20170504	5/4/2017	200.7	7440-47-3	Chromium (total)	0.0043	J	0.0025	0.0050	mg/l	J	sp
440-183701-1	PC-160-20170504	5/4/2017	200.7	7440-47-3	Chromium (total)	0.0035	J	0.0025	0.0050	mg/l	J	sp
440-183798-1	PC-132-20170505	5/5/2017	200.7	7440-47-3	Chromium (total)	0.0040	J	0.0025	0.0050	mg/l	J	sp
440-183801-1	PC-127-20170505- FB7	5/5/2017	200.7	7440-47-3	Chromium (total)	0.0029	J	0.0025	0.0050	mg/l	J	sp
440-183807-1	PC-149-20170505	5/5/2017	200.7	7440-47-3	Chromium (total)	0.0034	J	0.0025	0.0050	mg/l	J	sp
440-183808-1	PC-123-20170505	5/5/2017	200.7	7440-47-3	Chromium (total)	0.84		0.0025	0.0050	mg/l	J+	m
440-183808-1	PC-124-20170505	5/5/2017	200.7	7440-47-3	Chromium (total)	0.098		0.013	0.025	mg/l	J+	m
440-183808-1	PC-124-20170505-FD8	5/5/2017	200.7	7440-47-3	Chromium (total)	0.10	F1	0.013	0.025	mg/l	J+	m
440-183808-1	PC-125-20170505	5/5/2017	200.7	7440-47-3	Chromium (total)	0.097		0.013	0.025	mg/l	J+	m
440-183808-1	M-152-20170505	5/5/2017	200.7	7440-47-3	Chromium (total)	0.032		0.0025	0.0050	mg/l	J+	m
440-183808-1	M-156-20170505	5/5/2017	200.7	7440-47-3	Chromium (total)	0.0025	J	0.0025	0.0050	mg/l	J+	m,sp
440-184029-1	M-125-20170509	5/9/2017	200.7	7440-47-3	Chromium (total)	0.0071	J	0.0050	0.010	mg/l	J	sp
440-184133-1	M-5A-20170510	5/10/2017	200.7	7439-89-6	Iron	0.45	J	0.25	0.50	mg/l	J	sp
440-184133-1	M-7B-20170510	5/10/2017	200.7	7440-47-3	Chromium (total)	0.0055	J	0.0050	0.010	mg/l	J	sp
440-184139-1	ART-2-20170510	5/10/2017	200.7	7440-47-3	Chromium (total)	0.0034	J	0.0025	0.0050	mg/l	J	sp
440-184139-1	ART-2-20170510-FD	5/10/2017	200.7	7440-47-3	Chromium (total)	0.0035	J	0.0025	0.0050	mg/l	J	sp
440-184295-1	TR-6-20170511-FD12	5/11/2017	200.7	7440-47-3	Chromium (total)	0.033	J	0.025	0.050	mg/l	J	sp
440-184296-1	M-145-20170511-EB10	5/11/2017	200.7	7440-47-3	Chromium (total)	0.0033	J	0.0025	0.0050	mg/l	J	sp
440-184298-1	TR-2-20170511	5/11/2017	200.7	7440-47-3	Chromium (total)	0.020		0.0025	0.0050	mg/l	J+	m
440-184298-1	M-163-20170511	5/11/2017	200.7	7440-47-3	Chromium (total)	0.029		0.0025	0.0050	mg/l	J+	m
440-184298-1	M-161D-20170511	5/11/2017	200.7	7440-47-3	Chromium (total)	0.017		0.0025	0.0050	mg/l	J+	m

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code
440-184298-1	M-162D-20170511	5/11/2017	200.7	7440-47-3	Chromium (total)	0.021		0.0025	0.0050	mg/l	J+	m
440-184298-1	M-132-20170511	5/11/2017	200.7	7440-47-3	Chromium (total)	0.38		0.0025	0.0050	mg/l	J+	m
440-184300-1	M-76-20170511	5/11/2017	200.7	7440-47-3	Chromium (total)	1.7	F1	0.0025	0.0050	mg/l	J+	m
440-184300-1	M-2A-20170511	5/11/2017	200.7	7440-47-3	Chromium (total)	8.5		0.013	0.025	mg/l	J+	m
440-186399-1	PC-117-20170613	6/13/2017	200.7	7440-47-3	Chromium (total)	0.0040	J	0.0025	0.0050	mg/l	J	sp
440-186631-1	ART-2A-20170615	6/15/2017	200.7	7440-47-3	Chromium (total)	0.0044	J	0.0025	0.0050	mg/l	J	sp
440-176092-1	M-38-20170208-FB4	2/8/2017	218.6	18540-29-9	Chromium VI	0.37	J	0.25	1.0	ug/l	J	sp
440-176093-1	M-10-20170208-EB4	2/8/2017	218.6	18540-29-9	Chromium VI		UH	0.25	1.0	ug/l	R	h
440-183057-1	ART-8A-20170413_ATECH	4/13/2017	218.6	18540-29-9	Chromium VI	0.084		0.0013	0.0040	mg/l	J+	bf
440-173604-1	PC-119 011617-20170116	1/16/2017	300.0	14797-55-8	Nitrate	0.16	J	0.11	0.22	mg/l	J	sp
440-173604-1	ART-1A 011617-20170116	1/16/2017	300.0	14797-55-8	Nitrate	1.3	J	1.1	2.2	mg/l	J	sp
440-173604-1	ART-2A 011617-20170116	1/16/2017	300.0	14797-55-8	Nitrate	3.2	J	2.8	5.5	mg/l	J	sp
440-177034-1	ART-1A-20170215	2/15/2017	300.0	14797-55-8	Nitrate	1.1	J	1.1	2.2	mg/l	J	sp
440-177034-1	PC-119-20170215	2/15/2017	300.0	14797-55-8	Nitrate	0.51	J	0.28	0.55	mg/l	J	sp
440-180060-1	ART-1A-20170320	3/20/2017	300.0	14797-55-8	Nitrate	0.87	J	0.55	1.1	mg/l	J-	m,sp
440-180060-1	ART-2A-20170320	3/20/2017	300.0	14797-55-8	Nitrate		U	2.8	5.5	mg/l	UJ	m
440-180060-1	ART-8A-20170320	3/20/2017	300.0	14797-55-8	Nitrate	18		2.8	5.5	mg/l	J-	m
440-180060-1	ART-3A-20170320	3/20/2017	300.0	14797-55-8	Nitrate	16		1.1	2.2	mg/l	J-	m
440-180060-1	ART-4-20170320	3/20/2017	300.0	14797-55-8	Nitrate	15		0.55	1.1	mg/l	J-	m
440-180060-1	ART-9-20170320	3/20/2017	300.0	14797-55-8	Nitrate	27	F1	1.1	2.2	mg/l	J-	m
440-180060-1	ART-7A-20170320	3/20/2017	300.0	14797-55-8	Nitrate	22		1.1	2.2	mg/l	J-	m
440-180060-1	ART-6-20170320	3/20/2017	300.0	14797-55-8	Nitrate	11		0.55	1.1	mg/l	J-	m
440-181479-1	I-AD-20170405	4/5/2017	300.0	14797-55-8	Nitrate	11		0.55	1.1	mg/l	J+	m
440-181479-1	I-AC-20170405	4/5/2017	300.0	14797-55-8	Nitrate	12		0.55	1.1	mg/l	J+	m
440-181479-1	I-K-20170405	4/5/2017	300.0	14797-55-8	Nitrate	12		0.55	1.1	mg/l	J+	m
440-181479-1	I-J-20170405	4/5/2017	300.0	14797-55-8	Nitrate	9.7		0.55	1.1	mg/l	J+	m
440-181479-1	I-Z-20170405	4/5/2017	300.0	14797-55-8	Nitrate	12		0.55	1.1	mg/l	J+	m
440-181479-1	I-I-20170405 FD	4/5/2017	300.0	14797-55-8	Nitrate	22		1.1	2.2	mg/l	J+	m
440-181479-1	I-I-20170405	4/5/2017	300.0	14797-55-8	Nitrate	22		0.55	1.1	mg/l	J+	m
440-181479-1	I-V-20170405	4/5/2017	300.0	14797-55-8	Nitrate	84	F2F1	1.1	2.2	mg/l	J+	m
440-182125-1	ART-2-20170413	4/13/2017	300.0	14797-55-8	Nitrate	3.4	J	2.8	5.5	mg/l	J	sp
440-183527-1	PC-97-20170502	5/2/2017	300.0	14797-55-8	Nitrate	0.18	J	0.11	0.22	mg/l	J	sp
440-183593-1	PC-156B-20170503	5/3/2017	300.0	14797-55-8	Nitrate	0.17	J	0.11	0.22	mg/l	J	sp
440-183605-1	DBMW-4-20170503	5/3/2017	300.0	14797-55-8	Nitrate	17		0.55	1.1	mg/l	J+	m
440-183605-1	DBMW-4-20170503-FD6	5/3/2017	300.0	14797-55-8	Nitrate	18		0.55	1.1	mg/l	J+	m
440-183605-1	PC-77-20170503	5/3/2017	300.0	14797-55-8	Nitrate	4.4		0.55	1.1	mg/l	J+	m
440-183605-1	PC-58-20170503	5/3/2017	300.0	14797-55-8	Nitrate	8.8	F1	0.28	0.55	mg/l	J+	m
440-183612-1	PC-134A-20170503	5/3/2017	300.0	14797-55-8	Nitrate	0.15	J	0.11	0.22	mg/l	J	sp
440-183687-1	I-X-20170504	5/4/2017	300.0	14797-55-8	Nitrate	160		1.1	2.2	mg/l	J-	m
440-183687-1	I-F-20170504	5/4/2017	300.0	14797-55-8	Nitrate	75		1.1	2.2	mg/l	J-	m
440-183892-1	H-48-20170508	5/8/2017	300.0	14797-55-8	Nitrate	1.7	J	1.1	2.2	mg/l	J	sp
440-184025-1	MW-16-20170509-FD11	5/9/2017	300.0	14797-55-8	Nitrate	2.7		1.1	2.2	mg/l	J+	m
440-184025-1	MW-16-20170509	5/9/2017	300.0	14797-55-8	Nitrate	1.6	JF1	1.1	2.2	mg/l	J+	m,sp
440-184025-1	M-25-20170509	5/9/2017	300.0	14797-55-8	Nitrate	52		0.55	1.1	mg/l	J+	m

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code
440-184025-1	M-37-20170509	5/9/2017	300.0	14797-55-8	Nitrate	100		5.5	11	mg/l	J+	m
440-184029-1	M-125-20170509	5/9/2017	300.0	14797-55-8	Nitrate	4.9	J	2.8	5.5	mg/l	J	sp
440-184133-1	M-7B-20170510	5/10/2017	300.0	14797-55-8	Nitrate	1.8	J	1.1	2.2	mg/l	J	sp
440-184135-1	M-126-20170510	5/10/2017	300.0	14797-55-8	Nitrate	1.4	J	1.1	2.2	mg/l	J	sp
440-184139-1	ART-1A-20170510	5/10/2017	300.0	14797-55-8	Nitrate	0.93	J	0.55	1.1	mg/l	J	sp
440-184139-1	ART-2-20170510-FD	5/10/2017	300.0	14797-55-8	Nitrate	2.1	J	1.1	2.2	mg/l	J	sp
440-184295-1	M-5A-20170511	5/11/2017	300.0	14797-55-8	Nitrate	1.8	J	1.1	2.2	mg/l	J	sp
440-184296-1	M-145-20170511	5/11/2017	300.0	14797-55-8	Nitrate	0.32	J	0.28	0.55	mg/l	J	sp
440-184392-1	M-33-20170512	5/12/2017	300.0	14797-55-8	Nitrate	5.8		0.55	1.1	mg/l	J	m,ld
440-184394-1	M-186-20170512	5/12/2017	300.0	14797-55-8	Nitrate	8.2		2.8	5.5	mg/l	J	m,ld
440-184394-1	TR-8-20170512	5/12/2017	300.0	14797-55-8	Nitrate	2.1		0.055	0.11	mg/l	J	m,ld
440-184395-1	M-149-20170512	5/12/2017	300.0	14797-55-8	Nitrate	3.3		0.11	0.22	mg/l	J	m,ld
440-184396-1	M-193-20170512	5/12/2017	300.0	14797-55-8	Nitrate	3.2	F2F1	0.11	0.22	mg/l	J	m,ld
440-184396-1	TR-10-20170512	5/12/2017	300.0	14797-55-8	Nitrate	7.8		0.11	0.22	mg/l	J	m,ld
440-184396-1	TR-7-20170512	5/12/2017	300.0	14797-55-8	Nitrate	1.1		0.055	0.11	mg/l	J	m,ld
440-184396-1	TR-7-20170512-EB14	5/12/2017	300.0	14797-55-8	Nitrate	0.079	J	0.055	0.11	mg/l	J	sp
440-184397-1	M-190-20170512	5/12/2017	300.0	14797-55-8	Nitrate	2.5		0.11	0.22	mg/l	J	m,ld
440-186399-1	PC-121-20170613-FD	6/13/2017	300.0	14797-55-8	Nitrate	0.12	J	0.11	0.22	mg/l	J	sp
440-186399-1	PC-121-20170613	6/13/2017	300.0	14797-55-8	Nitrate	0.12	J	0.11	0.22	mg/l	J	sp
440-186631-1	ART-2A-20170615	6/15/2017	300.0	14797-55-8	Nitrate	4.0	J	2.8	5.5	mg/l	J	sp
440-186631-1	ART-1A-20170615	6/15/2017	300.0	14797-55-8	Nitrate	1.7	J	1.1	2.2	mg/l	J	sp
440-180294-1	I-D-20170322-EB	3/22/2017	300.1	14866-68-3	Chlorate	15	J	10	20	ug/l	J	sp
440-182006-1	PC-99R2/R3-20170412	4/12/2017	300.1	14866-68-3	Chlorate	19000		1000	2000	ug/l	J-	m
440-182006-1	PC-115R-20170412	4/12/2017	300.1	14866-68-3	Chlorate	8300		1000	2000	ug/l	J-	m
440-182006-1	PC-116R-20170412	4/12/2017	300.1	14866-68-3	Chlorate	20000		1000	2000	ug/l	J-	m
440-182006-1	PC-118-20170412	4/12/2017	300.1	14866-68-3	Chlorate	2800		500	1000	ug/l	J-	m
440-182006-1	PC-119-20170412-FD	4/12/2017	300.1	14866-68-3	Chlorate	380		50	100	ug/l	J-	m
440-182006-1	PC-119-20170412	4/12/2017	300.1	14866-68-3	Chlorate	390	F1	50	100	ug/l	J-	m
440-182006-1	PC-117-20170412	4/12/2017	300.1	14866-68-3	Chlorate	11000		500	1000	ug/l	J-	m
440-191342-1	M-155-20170831	8/31/2017	300.1	14866-68-3	Chlorate	13	J	10	20	ug/l	J	sp
440-183608-1	PC-108-20170503	5/3/2017	314.0	14797-73-0	Perchlorate	0.87	J	0.50	1.0	ug/l	J	sp
440-183798-1	PC-132-20170505	5/5/2017	314.0	14797-73-0	Perchlorate		U	0.50	1.0	ug/l	UJ	m
440-183807-1	HMW-15-20170505	5/5/2017	314.0	14797-73-0	Perchlorate	0.51	J	0.50	1.0	ug/l	J	sp
440-184298-1	M-161D-20170511	5/11/2017	314.0	14797-73-0	Perchlorate	0.65	J	0.50	1.0	ug/l	J	sp
440-184301-1	PC-118-20170511	5/11/2017	314.0	14797-73-0	Perchlorate	7.3		0.050	0.10	mg/l	J-	m
440-184392-1	M-141-20170512	5/12/2017	314.0	14797-73-0	Perchlorate	300000		2500	5000	ug/l	J-	m
440-184392-1	M-77-20170512	5/12/2017	314.0	14797-73-0	Perchlorate	180000		2500	5000	ug/l	J-	m
440-184392-1	M-33-20170512	5/12/2017	314.0	14797-73-0	Perchlorate	120000		5000	10000	ug/l	J-	m
440-184394-1	M-75-20170512	5/12/2017	314.0	14797-73-0	Perchlorate	48000		500	1000	ug/l	J-	m
440-184394-1	M-186-20170512	5/12/2017	314.0	14797-73-0	Perchlorate	520000		5000	10000	ug/l	J-	m
440-184394-1	M-186D-20170512	5/12/2017	314.0	14797-73-0	Perchlorate	710	F1	5.0	10	ug/l	J-	m
440-184394-1	M-181-20170512	5/12/2017	314.0	14797-73-0	Perchlorate		U	0.50	1.0	ug/l	UJ	m
440-184394-1	M-151-20170512	5/12/2017	314.0	14797-73-0	Perchlorate		U	0.50	1.0	ug/l	UJ	m
440-184394-1	TR-8-20170512	5/12/2017	314.0	14797-73-0	Perchlorate	79		2.5	5.0	ug/l	J-	m

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code
440-184395-1	M-13-20170512	5/12/2017	314.0	14797-73-0	Perchlorate	17000		250	500	ug/l	J-	m
440-184395-1	M-13-20170512-FD13	5/12/2017	314.0	14797-73-0	Perchlorate	17000		250	500	ug/l	J-	m
440-184395-1	M-148A-20170512	5/12/2017	314.0	14797-73-0	Perchlorate	4400		50	100	ug/l	J-	m
440-184395-1	M-149-20170512	5/12/2017	314.0	14797-73-0	Perchlorate	360000		2500	5000	ug/l	J-	m
440-184395-1	M-153-20170512	5/12/2017	314.0	14797-73-0	Perchlorate	5.4		0.50	1.0	ug/l	J-	m
440-184396-1	M-123-20170512	5/12/2017	314.0	14797-73-0	Perchlorate	510		5.0	10	ug/l	J-	m
440-187579-1	LVW 6.6-20170628-FD	6/28/2017	314.0	14797-73-0	Perchlorate	500		0.50	10	ug/l	J	fd
440-187579-1	LVW 6.6-1-20170628	6/28/2017	314.0	14797-73-0	Perchlorate	13		0.50	1.0	ug/l	J	fd
440-187579-1	W1 ARCHERY -20170629	6/29/2017	314.0	14797-73-0	Perchlorate	0.78	J	0.50	1.0	ug/l	J	sp
440-184133-1	M-5A-20170510	5/10/2017	420.4	64743-03-9	Phenolics, Recoverable (total)	0.025		0.014	0.020	mg/l	J	m,ld
440-184133-1	M-7B-20170510	5/10/2017	420.4	64743-03-9	Phenolics, Recoverable (total)		U	0.0068	0.010	mg/l	UJ	m,ld
440-184133-1	M-6A-20170510	5/10/2017	420.4	64743-03-9	Phenolics, Recoverable (total)	0.0090	JF1F2	0.0068	0.010	mg/l	J	m,ld,sp
440-184133-1	H-28A-20170510	5/10/2017	420.4	64743-03-9	Phenolics, Recoverable (total)	0.017	J	0.014	0.020	mg/l	J	m,ld,sp
440-187579-1	LVW 4.2-20170628-FB	6/28/2017	2540C	TDS	Dissolved Solids (total)	8.0	J	5.0	10	mg/l	J	sp

ATTACHMENT A

VOC Data Validation Report

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

I. Sample Receipt and Technical Holding Times

All samples were received in good condition and cooler temperatures upon receipt met validation criteria with the following exceptions:

SDG	Sample	Compound	Finding	Criteria	Flag	A or P
440-184029-1	M-125-20170509	All compounds	A headspace of >6 mm in diameter was apparent in the sample containers.	There should be no headspace in the sample containers.	J- (all detects) UJ (all non-detects)	A
440-184031-1	MC-51-20170509 MC-3-20170509-TB15	All compounds	A headspace of >6 mm in diameter was apparent in the sample containers.	There should be no headspace in the sample containers.	J- (all detects) UJ (all non-detects)	A
440-184132-1	M-73-20170510-TB17	All compounds	A headspace of >6 mm in diameter was apparent in the sample containers.	There should be no headspace in the sample containers.	UJ (all non-detects)	A
440-187344-1	M-182-20170627-TB31	All compounds	A headspace was apparent in the sample containers.	There should be no headspace in the sample containers.	UJ (all non-detects)	A

All technical holding time requirements were met.

II. GC/MS Instrument Performance Check

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

III. Initial Calibration and Initial Calibration Verification

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

IV. Continuing Calibration

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

V. Laboratory Blanks

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

SDG	Blank ID	Analysis Date	Compound	Concentration	Associated Samples
440-183891-1	MB 440-407243/4	05/20/17	Methylene chloride	0.952 ug/L	All samples in SDG 440-183891-1
440-183892-1	MB 440-407243/4	05/20/17	Methylene chloride	0.952 ug/L	All samples in SDG 440-183892-1
440-183893-1	MB 440-407243/4	05/20/17	Methylene chloride	0.952 ug/L	All samples in SDG 440-183893-1

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

SDG	Sample	Compound	Reported Concentration	Modified Final Concentration
440-183893-1	H-58A-20170508	Methylene chloride	1.7 ug/L	1.7J ug/L
440-183893-1	MC-65-20170508	Methylene chloride	1.9 ug/L	1.9J ug/L

VI. Field Blanks

Samples PC-152-20170505-TB9 (from SDG 440-183798-1), PC-66-20170505-TB10 (from SDG 440-183803-1), PC-149-20170505-TB8 (from SDG 440-183807-1), PC-101R-20170508-TB13 (from SDG 440-183892-1), PC-71-20170508-TB11 (from SDG 440-183894-1), PC-107-20170508-TB12 (from SDG 440-183895-1), MW-16-20170509-TB14 (from SDG 440-184025-1), M-79-20170509-TB4 (from SDG 440-184027-1), MC-3-20170509-TB15 (from SDG 440-184031-1), M-73-20170510-TB17 (from SDG 440-184132-1), M-7B-20170510-TB19 (from SDG 440-184133-1), M-161-20170510-TB18 (from SDG 440-184134-1), M-126-20170510-TB16 (from SDG 440-184135-1), M-64-20170510-TB20 (from SDG 440-184137-1), M-5A-20170511-TB21 (from SDG 440-184295-1), M-92-20170511-TB22 (from SDG 440-184296-1), TR-2-20170511-TB24 (from SDG 440-184298-1), M-124-20170511-TB23 (from SDG 440-184300-1), M-13-20170512-TB26 (from SDG 440-184395-1), M-123-20170512-TB27 (from SDG 440-184396-1), M-139-20170512-TB25 (from SDG 440-184397-1), M-129-20170515-TB28 (from SDG 440-184461-1), M-93-20170519-TB29 (from SDG 440-184859-1), PC-59-20170612-TB3 (from SDG 440-186327-1), PC-98R-20170613-TB7, PC-97-20170613-TB1 (both from SDG 440-186405-1), ARP-6B-20170615-TB6, ARP-5A-20170615-TB5, PC-155A-20170615-TB2 (all three from SDG 440-186652-1), PC-50-20170616-TB30 (from SDG 440-186727-1), M-182-20170627-TB31 (from SDG 440-187344-1), and TR-1-20170816-TB31 (from SDG 440-190407-1) were identified as trip blanks. No contaminants were found with the following exceptions:

SDG	Blank ID	Collection Date	Compound	Concentration	Associated Samples
440-184135-1	M-126-20170510-TB16	05/10/17	Chloroform	0.29 ug/L	M-126-20170510 M-22A-20170510 M-134-20170510 M-69-20170510 M-38-20170510 M-38-20170510-FB4
440-184137-1	M-64-20170510-TB20	05/10/17	Styrene	0.25 ug/L	M-64-20170510 M-65-20170510 M-66-20170510 M-72-20170510 M-72-20170510-FB9 M-147-20170510 M-19-20170510 M-19-20170510-EB11
440-184395-1	M-13-20170512-TB26	05/12/17	Methylene chloride	1.9 ug/L	M-13-20170512 M-13-20170512-FD13 M-148A-20170512 M-148A-20170512-EB12 M-149-20170512 M-153-20170512
440-184396-1	M-123-20170512-TB27	05/12/17	Methylene chloride	2.3 ug/L	M-123-20170512 M-191-20170512 M-191-20170512-FB14 M-193-20170512 TR-9-20170512 TR-10-20170512 TR-7-20170512 TR-7-20170512-EB14

Samples M-156-20170505-EB8 (from SDG 440-183808-1), PC-21A-20170508-EB9 (from SDG 440-183891-1), PC-107-20170508-EB15 (from SDG 440-183895-1), M-37-20170509-EB4 (from SDG 440-184025-1), M-19-20170510-EB11 (from SDG 440-184137-1), M-145-20170511-EB10 (from SDG 440-184296-1), M-148A-20170512-EB12 (from SDG 440-184395-1), TR-7-20170512-EB14 (from SDG 440-184396-1), M-129-20170515-EB13 (from SDG 440-184461-1), PC-157A-20170612-EB5 (from SDG 440-186327-1), ARP-4A-20170615-EB7, and PC-122-20170615-EB6 (both from SDG 440-186652-1) were identified as equipment blanks. No contaminants were found with the following exceptions:

SDG	Blank ID	Collection Date	Compound	Concentration	Associated Samples
440-183891-1	PC-21A-20170508-EB9	05/08/17	Toluene	0.37 ug/L	PC-21A-20170508
440-184025-1	M-37-20170509-EB4	05/09/17	Chloroform	0.49 ug/L	M-37-20170509
440-184395-1	M-148A-20170512-EB12	05/12/17	Methylene chloride	1.6 ug/L	M-148A-20170512
440-184396-1	TR-7-20170512-EB14	05/12/17	Methylene chloride	2.3 ug/L	TR-7-20170512

Samples PC-127-20170505-FB7 (from SDG 440-183801-1), PC-149-20170505-FB6 (from SDG 440-183807-1), PC-101R-20170508-FB8 (from SDG 440-183892-1), MC-97-20170508-FB15 (from SDG 440-183894-1), M-48A-20170508-FB10 (from SDG 440-183895-1), M-162-20170510-FB11 (from SDG 440-184134-1), M-38-20170510-FB4 (from SDG 440-184135-1), M-71-20170510-FB12 (from SDG 440-184136-1), M-72-20170510-FB9 (from SDG 440-184137-1), M-192-20170511-FB13 (from SDG 440-184299-1), M-191-20170512-FB14 (from SDG 440-184396-1) and PC-90-20170612-FB5 (from SDG 440-186333-1) were identified as field blanks. No contaminants were found with the following exceptions:

SDG	Blank ID	Collection Date	Compound	Concentration	Associated Samples
440-183895-1	M-48A-20170508-FB10	05/08/17	Methylene chloride Toluene	1.6 ug/L 0.29 ug/L	M-48A-20170508
440-184134-1	M-162-20170510-FB11	05/10/17	Methylene chloride	0.95 ug/L	M-162-20170510
440-184135-1	M-38-20170510-FB4	05/10/17	Chloroform Methylene chloride	0.53 ug/L 1.9 ug/L	M-38-20170510
440-184396-1	M-191-20170512-FB14	05/12/17	Methylene chloride	0.98 ug/L	M-191-20170512

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	Compound	Reported Concentration	Modified Final Concentration
440-184135-1	M-38-20170510-FB4	Chloroform	0.53 ug/L	0.53J ug/L
440-184395-1	M-13-20170512	Methylene chloride	1.6 ug/L	1.6J ug/L
440-184395-1	M-13-20170512-FD13	Methylene chloride	1.8 ug/L	1.8J ug/L
440-184395-1	M-148A-20170512	Methylene chloride	1.8 ug/L	1.8J ug/L
440-184395-1	M-148A-20170512-EB12	Methylene chloride	1.6 ug/L	1.6J ug/L
440-184395-1	M-149-20170512	Methylene chloride	1.7 ug/L	1.7J ug/L
440-184395-1	M-153-20170512	Methylene chloride	1.7 ug/L	1.7J ug/L
440-184396-1	M-191-20170512-FB14	Methylene chloride	0.98 ug/L	0.98J ug/L
440-184396-1	M-193-20170512	Methylene chloride	1.1 ug/L	1.1J ug/L

SDG	Sample	Compound	Reported Concentration	Modified Final Concentration
440-184396-1	TR-7-20170512-EB14	Methylene chloride	2.3 ug/L	2.3J ug/L

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
440-183803-1	PC-130-20170505MS/MSD (PC-130-20170505)	Styrene	0 (29-150)	0 (29-150)	R (all non-detects)	A
440-184300-1	M-124-20170511MS/MSD (M-124-20170511)	2,2-Dichloropropane	-	148 (69-138)	NA	-

For ARP-6B-20170615MS/MSD (from SDG 440-186652-1), no data were qualified for Chloroform percent recoveries (%R) outside the QC limits since the parent sample results were greater than 4X the spike concentration.

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

SDG	Spike ID (Associated Samples)	Compound	RPD (Limits)	Flag	A or P
440-186333-1	PC-77-20170612MS/MSD (PC-77-20170612)	Styrene	46 (≤35)	NA	-
440-186652-1	ARP-6B-20170615MS/MSD (ARP-6B-20170615)	Styrene	39 (≤35)	NA	-

IX. Laboratory Control Samples

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

X. Field Duplicates

Samples PC-124-20170505 and PC-124-20170505-FD8 (both from SDG 440-183808-1), samples PC-126-20170505 and PC-126-20170505-FD7 (both from SDG 440-183809-1), samples MW-16-20170509 and MW-16-20170509-FD11 (both from SDG 440-184025-1), samples M-79-20170509 and M-79-20170509-FD9 (both from SDG 440-184027-1), samples M-135-20170510 and M-135-20170510-FD10 (both from SDG 440-184136-1), samples TR-6-20170511 and TR-6-20170511-FD12 (both from SDG 440-184295-1), samples M-80-20170511 and M-80-20170511-FD4 (both from SDG 440-184297-1), samples M-83-20170511 and M-83-20170511-FD14 (both from SDG 440-184299-1), samples M-13-20170512 and M-13-20170512-FD13 (both from SDG 440-184395-1), samples HM-2-20170612 and HM-2-20170612-FD5 (both from SDG 440-186327-1), samples PC-96-20170613 and PC-96-20170613-FD15 (both from SDG 440-186405-1), and samples DBMW-4-20170614 and DBMW-4-20170614-FD6 (both from SDG 440-186558-1) 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-124-20170505	PC-124-20170505-FD8			
440-183808-1	Carbon tetrachloride	1.4	1.9	30 (≤30)	-	-
	Chloroform	400	390	3 (≤30)	-	-
	Methylene chloride	10U	8.9	12 (≤30)	-	-

SDG	Compound	Concentration (ug/L)		RPD (Limits)	Flag	A or P
		PC-126-20170505	PC-126-20170505-FD7			
440-183809-1	Carbon tetrachloride	3.0	3.2	6 (≤30)	-	-
	Chloroform	500	490	2 (≤30)	-	-
	Methylene chloride	6.9	4.4	44 (≤30)	NQ	-
	Tetrachloroethene	2.6	1.9	31 (≤30)	NQ	-

SDG	Compound	Concentration (ug/L)		RPD (Limits)	Flag	A or P
		MW-16-20170509	MW-16-20170509-FD11			
440-184025-1	1,1-Dichloroethane	2.7	2.7	0 (≤30)	-	-
	1,2-Dichlorobenzene	27	26	4 (≤30)	-	-

SDG	Compound	Concentration (ug/L)		RPD (Limits)	Flag	A or P
		MW-16-20170509	MW-16-20170509-FD11			
440-184025-1	1,2-Dichloroethane	2.1	2.1	0 (≤30)	-	-
	1,3-Dichlorobenzene	1.8	1.8	0 (≤30)	-	-
	1,4-Dichlorobenzene	33	32	3 (≤30)	-	-
	Benzene	13	12	8 (≤30)	-	-
	Chlorobenzene	70	66	6 (≤30)	-	-
	Chloroform	3.9	4.1	5 (≤30)	-	-
	Methylene chloride	2.0U	0.88	78 (≤30)	NQ	-
	Tetrachloroethene	1.1	1.0	10 (≤30)	-	-

SDG	Compound	Concentration (ug/L)		RPD (Limits)	Flag	A or P
		M-79-20170509	M-79-20170509-FD9			
440-184027-1	1,2-Dichlorobenzene	3.9	3.7	5 (≤30)	-	-
	1,3-Dichlorobenzene	0.36	0.37	3 (≤30)	-	-
	1,4-Dichlorobenzene	1.1	1.1	0 (≤30)	-	-
	Carbon tetrachloride	0.25	0.50U	67 (≤30)	NQ	-
	Chloroform	59	60	2 (≤30)	-	-
	Tetrachloroethene	0.43	0.39	10 (≤30)	-	-

SDG	Compound	Concentration (ug/L)		RPD (Limits)	Flag	A or P
		M-135-20170510	M-135-20170510-FD10			
440-184136-1	Carbon tetrachloride	1.1	5.1	129 (≤30)	NQ	-
	Chloroform	140	670	131 (≤30)	J (all detects)	A
	Methylene chloride	5.0U	8.5	52 (≤30)	NQ	-

SDG	Compound	Concentration (ug/L)		RPD (Limits)	Flag	A or P
		M-135-20170510	M-135-20170510-FD10			
440-184136-1	Tetrachloroethene	1.3U	3.2	84 (≤30)	NQ	-
	Trichloroethene	0.76	4.3	140 (≤30)	NQ	-

SDG	Compound	Concentration (ug/L)		RPD (Limits)	Flag	A or P
		TR-6-20170511	TR-6-20170511-FD12			
440-184295-1	Carbon tetrachloride	30	30	0 (≤30)	-	-
	Chloroform	1200	1200	0 (≤30)	-	-
	Methylene chloride	50U	22	78 (≤30)	NQ	-
	Tetrachloroethene	9.5	8.6	10 (≤30)	-	-

SDG	Compound	Concentration (ug/L)		RPD (Limits)	Flag	A or P
		M-80-20170511	M-80-20170511-FD4			
440-184297-1	Carbon tetrachloride	2.0	2.9	37 (≤30)	NQ	-
	Bromoform	5.0U	1.6	103 (≤30)	NQ	-
	Chloroform	160	180	12 (≤30)	-	-

SDG	Compound	Concentration (ug/L)		RPD (Limits)	Flag	A or P
		M-83-20170511	M-83-20170511-FD14			
440-184299-1	1,2-Dichlorobenzene	0.87	0.79	10 (≤30)	-	-
	1,4-Dichlorobenzene	0.70	0.73	4 (≤30)	-	-
	Bromoform	2.1	2.3	9 (≤30)	-	-
	Bromodichloromethane	1.3U	0.65	67 (≤30)	NQ	-
	Carbon tetrachloride	4.8	4.4	9 (≤30)	-	-
	Chloroform	190	190	0 (≤30)	-	-

SDG	Compound	Concentration (ug/L)		RPD (Limits)	Flag	A or P
		M-13-20170512	M-13-20170512-FD13			
440-184395-1	1,1-Dichloroethane	0.59	0.70	17 (≤30)	-	-
	Chloroform	14	14	0 (≤30)	-	-
	Methylene chloride	1.6	1.8	12 (≤30)	-	-
	Trichloroethene	6.9	6.8	1 (≤30)	-	-

SDG	Compound	Concentration (ug/L)		RPD (Limits)	Flag	A or P
		HM-2-20170612	HM-2-20170612-FD5			
440-186327-1	Carbon tetrachloride	0.55	0.76	32 (≤30)	J (all detects)	A
	Tetrachloroethene	0.28	0.77	93 (≤30)	NQ	-
	Chloroform	60	67	11 (≤30)	-	-

SDG	Compound	Concentration (ug/L)		RPD (Limits)	Flag	A or P
		PC-96-20170613	PC-96-20170613-FD15			
440-186405-1	1,2,4-Trichlorobenzene	0.75	0.79	5 (≤30)	-	-

SDG	Compound	Concentration (ug/L)		RPD (Limits)	Flag	A or P
		DBMW-4-20170614	DBMW-4-20170614-FD6			
440-186558-1	Carbon tetrachloride	1.6	1.5	6 (≤30)	-	-
	Chloroform	93	95	2 (≤30)	-	-
	Methylene chloride	1.8	2.0U	200 (≤30)	NQ	-
	Tetrachloroethene	4.0	4.0	0 (≤30)	-	-

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

XI. Internal Standards

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

XII. Compound Quantitation

Raw data were not reviewed for Stage 2A validation.

XIII. Target Compound Identifications

Raw data were not reviewed for Stage 2A validation.

XIV. System Performance

Raw data were not reviewed for Stage 2A 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 headspace and field duplicate RPD, data were qualified as estimated in nine samples.

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

Due to trip blank contamination, data were qualified as estimated in ten samples.

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 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.

Annual Remedial Performance Sampling January through June 2017 and Artesian Well Sampling August 2017
Volatiles - Data Qualification Summary - SDGs 440-183798-1, 440-183801-1, 440-183803-1, 440-183807-1, 440-183808-1, 440-183809-1, 440-183891-1, 440-183892-1, 440-183893-1, 440-183894-1, 440-183895-1, 440-184025-1, 440-184027-1, 440-184029-1, 440-184031-1, 440-184132-1, 440-184133-1, 440-184134-1, 440-184135-1, 440-184136-1, 440-184137-1, 440-184295-1, 440-184296-1, 440-184297-1, 440-184298-1, 440-184299-1, 440-184300-1, 440-184392-1, 440-184394-1, 440-184395-1, 440-184396-1, 440-184397-1, 440-184461-1, 440-184462-1, 440-184859-1, 440-186327-1, 440-186333-1, 440-186405-1, 440-186558-1, 440-186652-1, 440-186727-1, 440-187344-1, 440-190407-1, 440-191342-1

SDG	Sample	Compound	Flag	A or P	Reason (Code)
440-184029-1	M-125-20170509	All compounds	J- (all detects) UJ (all non-detects)	A	Sample condition (headspace) (vh)
440-184031-1	MC-51-20170509 MC-3-20170509-TB15	All compounds	J- (all detects) UJ (all non-detects)	A	Sample condition (headspace) (vh)
440-184132-1	M-73-20170510-TB17	All compounds	UJ (all non-detects)	A	Sample condition (headspace) (vh)
440-187344-1	M-182-20170627-TB31	All compounds	UJ (all non-detects)	A	Sample condition (headspace) (vh)
440-183803-1	PC-130-20170505	Styrene	R (all non-detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-184136-1	M-135-20170510 M-135-20170510-FD10	Chloroform	J (all detects)	A	Field duplicates (RPD) (fd)
440-186327-1	HM-2-20170612 HM-2-20170612-FD5	Carbon tetrachloride	J (all detects)	A	Field duplicates (RPD) (fd)

Annual Remedial Performance Sampling January through June 2017 and Artesian Well Sampling August 2017
Volatiles - Laboratory Blank Data Qualification Summary - SDGs 440-183798-1, 440-183801-1, 440-183803-1, 440-183807-1, 440-183808-1, 440-183809-1, 440-183891-1, 440-183892-1, 440-183893-1, 440-183894-1, 440-183895-1, 440-184025-1, 440-184027-1, 440-184029-1, 440-184031-1, 440-184132-1, 440-184133-1, 440-184134-1, 440-184135-1, 440-184136-1, 440-184137-1, 440-184295-1, 440-184296-1, 440-184297-1, 440-184298-1, 440-184299-1, 440-184300-1, 440-184392-1, 440-184394-1, 440-184395-1, 440-184396-1, 440-184397-1, 440-184461-1, 440-184462-1, 440-184859-1, 440-186327-1, 440-186333-1, 440-186405-1, 440-186558-1, 440-186652-1, 440-186727-1, 440-187344-1, 440-190407-1, 440-191342-1

SDG	Sample	Compound	Modified Final Concentration	A or P	Code
440-183893-1	H-58A-20170508	Methylene chloride	1.7J ug/L	A	bl
440-183893-1	MC-65-20170508	Methylene chloride	1.9J ug/L	A	bl

Annual Remedial Performance Sampling January through June 2017 and Artesian Well Sampling August 2017
Volatiles - Field Blank Data Qualification Summary - SDGs 440-183798-1, 440-183801-1, 440-183803-1, 440-183807-1, 440-183808-1, 440-183809-1, 440-183891-1, 440-183892-1, 440-183893-1, 440-183894-1, 440-183895-1, 440-184025-1, 440-184027-1, 440-184029-1, 440-184031-1, 440-184132-1, 440-184133-1, 440-184134-1, 440-184135-1, 440-184136-1, 440-184137-1, 440-184295-1, 440-184296-1, 440-184297-1, 440-184298-1, 440-184299-1, 440-184300-1, 440-184392-1, 440-184394-1, 440-184395-1, 440-184396-1, 440-184397-1, 440-184461-1, 440-184462-1, 440-184859-1, 440-186327-1, 440-186333-1, 440-186405-1, 440-186558-1, 440-186652-1, 440-186727-1, 440-187344-1, 440-190407-1, 440-191342-1

SDG	Sample	Compound	Modified Final Concentration	A or P	Code
440-184135-1	M-38-20170510-FB4	Chloroform	0.53J ug/L	A	bt
440-184395-1	M-13-20170512	Methylene chloride	1.6J ug/L	A	bt
440-184395-1	M-13-20170512-FD13	Methylene chloride	1.8J ug/L	A	bt
440-184395-1	M-148A-20170512	Methylene chloride	1.8J ug/L	A	be, bt
440-184395-1	M-148A-20170512-EB12	Methylene chloride	1.6J ug/L	A	bt
440-184395-1	M-149-20170512	Methylene chloride	1.7J ug/L	A	bt
440-184395-1	M-153-20170512	Methylene chloride	1.7J ug/L	A	bt
440-184396-1	M-191-20170512-FB14	Methylene chloride	0.98J ug/L	A	bt
440-184396-1	M-193-20170512	Methylene chloride	1.1J ug/L	A	bt
440-184396-1	TR-7-20170512-EB14	Methylene chloride	2.3J ug/L	A	bt

ATTACHMENT B

1,2,3-Trichloropropane & 1,4-Dioxane Data Validation Report

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

I. Sample Receipt and Technical Holding Times

All samples were received in good condition and cooler temperatures upon receipt met validation criteria with the following exceptions:

SDG	Sample	Compound	Finding	Criteria	Flag	A or P
440-187344-1	M-182-20170627-TB31	All compounds	A headspace was apparent in the sample containers.	There should be no headspace in the sample containers.	UJ (all non-detects)	A

All technical holding time requirements were met.

II. GC/MS Instrument Performance Check

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

III. Initial Calibration and Initial Calibration Verification

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

IV. Continuing Calibration

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

V. Laboratory Blanks

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

VI. Field Blanks

Samples PC-97-20170502-TB1 (from SDG 440-183527-1), PC-155A-20170503-TB2 (from SDG 440-183593-1), PC-59-20170503-TB3 (from SDG 440-183608-1), ARP-5A-20170504-TB5 (from SDG 440-183698-1), ARP-6B-20170504-TB6 (from SDG 440-183699-1), PC-98R-20170504-TB7 (from SDG 440-183701-1), PC-152-20170505-TB9 (from SDG 440-183798-1), PC-66-20170505-TB10 (from SDG 440-183803-1), PC-149-20170505-TB8 (from SDG 440-183807-1), PC-101R-20170508-TB13 (from SDG 440-183892-1), PC-71-20170508-TB11 (from SDG 440-183894-1), PC-107-20170508-TB12 (from SDG 440-183895-1), MW-16-20170509-TB14 (from SDG 440-184025-1), M-79-20170509-TB4 (from SDG 440-184027-1), MC-3-20170509-TB15 (from SDG 440-184031-1), M-73-20170510-TB17 (from SDG 440-184132-1), M-7B-20170510-TB19 (from SDG 440-184133-1), M-161-20170510-TB18 (from SDG 440-184134-1), M-126-20170510-TB16 (from SDG 440-184135-1), M-64-20170510-TB20 (from SDG 440-184137-1), M-5A-20170511-TB21 (from SDG 440-184295-1), M-92-20170511-TB22

(from SDG 440-184296-1), TR-2-20170511-TB24 (from SDG 440-184298-1), M-124-20170511-TB23 (from SDG 440-184300-1), M-13-20170512-TB26 (from SDG 440-184395-1), M-123-20170512-TB27 (from SDG 440-184396-1), M-139-20170512-TB25 (from SDG 440-184397-1), M-129-20170515-TB28 (from SDG 440-184461-1), M-93-20170519-TB29 (from SDG 440-184859-1), PC-50-20170616-TB30 (from SDG 440-186727-1), M-182-20170627-TB31 (from SDG 440-187344-1) and TR-1-20170816-TB31 (from SDG 440-190407-1) were identified as trip blanks. No contaminants were found.

Samples PC-157A-20170503-EB5 (from SDG 440-183593-1), PC-122-20170504-EB6 (from SDG 440-183698-1), ARP-4A-20170504-EB7 (from SDG 440-183699-1), M-156-20170505-EB8 (from SDG 440-183808-1), PC-21A-20170508-EB9 (from SDG 440-183891-1), PC-107-20170508-EB15 (from SDG 440-183895-1), M-37-20170509-EB4 (from SDG 440-184025-1), M-19-20170510-EB11 (from SDG 440-184137-1), M-145-20170511-EB10 (from SDG 440-184296-1), M-148A-20170512-EB12 (from SDG 440-184395-1), TR-7-20170512-EB14 (from SDG 440-184396-1), and M-129-20170515-EB13 (from SDG 440-184461-1) were identified as equipment blanks. No contaminants were found.

Samples PC-90-20170503-FB5 (from SDG 440-183612-1), PC-127-20170505-FB7 (from SDG 440-183801-1), PC-149-20170505-FB6 (from SDG 440-183807-1), PC-101R-20170508-FB8 (from SDG 440-183892-1), MC-97-20170508-FB15 (from SDG 440-183894-1), M-48A-20170508-FB10 (from SDG 440-183895-1), M-162-20170510-FB11 (from SDG 440-184134-1), M-38-20170510-FB4 (from SDG 440-184135-1), M-71-20170510-FB12 (from SDG 440-184136-1), M-72-20170510-FB9 (from SDG 440-184137-1), M-192-20170511-FB13 (from SDG 440-184299-1), and M-191-20170512-FB14 (from SDG 440-184396-1) 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 with the following exceptions:

SDG	Sample	Surrogate	%R (Limits)	Affected Compound	Flag	A or P
440-184029-1	M-125-20170509	Dibromofluoromethane	135 (80-120)	All compounds	J+ (all detects)	A
440-184031-1	MC-3-20170509	Dibromofluoromethane	56 (80-120)	1,4-Dioxane	UJ (all non-detects)	A
440-184031-1	MC-3-20170509	Dibromofluoromethane	58 (80-120)	1,2,3-Trichloropropane	J- (all detects)	A
440-184135-1	M-126-20170510	Dibromofluoromethane	145 (80-120)	1,2,3-Trichloropropane	J+ (all detects)	P

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
440-184031-1	MC-3-20170509MS/MSD (MC-3-20170509)	1,2,3-Trichloropropane	50 (55-135)	54 (55-135)	J- (all detects)	A

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.

X. Field Duplicates

Samples PC-96-20170503 and PC-96-20170503-FD15 (both from SDG 440-183598-1), samples DBMW-4-20170503 and DBMW-4-20170503-FD6 (both from SDG 440-183605-1), samples HM-2-20170504 and HM-2-20170504-FD5 (both from SDG 440-183697-1), samples PC-124-20170505 and PC-124-20170505-FD8 (both from SDG 440-183808-1), samples PC-126-20170505 and PC-126-20170505-FD7 (both from SDG 440-183809-1), samples MW-16-20170509 and MW-16-20170509-FD11 (both from SDG 440-184025-1), samples M-79-20170509 and M-79-20170509-FD9 (both from SDG 440-184027-1), samples M-135-20170510 and M-135-20170510-FD10 (both from SDG 440-184136-1), samples TR-6-20170511 and TR-6-20170511-FD12 (both from SDG 440-184295-1), samples M-80-20170511 and M-80-20170511-FD4 (both from SDG 440-184297-1), samples M-83-20170511 and M-83-20170511-FD14 (both from SDG 440-184299-1), and samples M-13-20170512 and M-13-20170512-FD13 (both from SDG 440-184395-1) 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
		DBMW-4-20170503	DBMW-4-20170503-FD6			
440-183605-1	1,2,3-Trichloropropane	0.062	0.064	3 (≤30)	-	-
	1,4-Dioxane	1.1	1.6	37 (≤30)	NQ	-

SDG	Compound	Concentration (ug/L)		RPD (Limits)	Flag	A or P
		HM-2-20170504	HM-2-20170504-FD5			
440-183697-1	1,2,3-Trichloropropane	0.045	0.045	0 (≤30)	-	-

SDG	Compound	Concentration (ug/L)		RPD (Limits)	Flag	A or P
		HM-2-20170504	HM-2-20170504-FD5			
	1,4-Dioxane	1.4	1.3	7 (≤30)	-	-

SDG	Compound	Concentration (ug/L)		RPD (Limits)	Flag	A or P
		PC-124-20170505	PC-124-20170505-FD8			
440-183808-1	1,2,3-Trichloropropane	0.030	0.028	7 (≤30)	-	-
	1,4-Dioxane	1.5	1.5	0 (≤30)	-	-

SDG	Compound	Concentration (ug/L)		RPD (Limits)	Flag	A or P
		PC-126-20170505	PC-126-20170505-FD7			
440-183809-1	1,2,3-Trichloropropane	0.049	0.050	2 (≤30)	-	-
	1,4-Dioxane	1.8	1.6	12 (≤30)	-	-

SDG	Compound	Concentration (ug/L)		RPD (Limits)	Flag	A or P
		MW-16-20170509	MW-16-20170509-FD11			
440-184025-1	1,2,3-Trichloropropane	0.0073	0.0081	10 (≤30)	-	-

SDG	Compound	Concentration (ug/L)		RPD (Limits)	Flag	A or P
		M-79-20170509	M-79-20170509-FD9			
440-184027-1	1,2,3-Trichloropropane	0.37	0.39	5 (≤30)	-	-
	1,4-Dioxane	0.69	0.68	1 (≤30)	-	-

SDG	Compound	Concentration (ug/L)		RPD (Limits)	Flag	A or P
		M-135-20170510	M-135-20170510-FD10			
440-184136-1	1,2,3-Trichloropropane	0.43	0.44	2 (≤30)	-	-

SDG	Compound	Concentration (ug/L)		RPD (Limits)	Flag	A or P
		TR-6-20170511	TR-6-20170511-FD12			
440-184295-1	1,2,3-Trichloropropane	0.0050U	0.0027	60 (≤30)	NQ	-

SDG	Compound	Concentration (ug/L)		RPD (Limits)	Flag	A or P
		M-80-20170511	M-80-20170511-FD4			
440-184297-1	1,2,3-Trichloropropane	0.058	0.057	2 (≤30)	-	-

SDG	Compound	Concentration (ug/L)		RPD (Limits)	Flag	A or P
		M-83-20170511	M-83-20170511-FD14			
440-184299-1	1,2,3-Trichloropropane	0.13	0.13	0 (≤30)	-	-

SDG	Compound	Concentration (ug/L)		RPD (Limits)	Flag	A or P
		M-13-20170512	M-13-20170512-FD13			
440-184395-1	1,2,3-Trichloropropane	0.028	0.027	4 (≤30)	-	-
	1,4-Dioxane	11	12	9 (≤30)	-	-

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

XI. Internal Standards

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

XII. Compound Quantitation

Raw data were not reviewed for Stage 2A validation.

XIII. Target Compound Identifications

Raw data were not reviewed for Stage 2A validation.

XIV. System Performance

Raw data were not reviewed for Stage 2A 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 headspace, surrogate %R and MS/MSD %R, data were qualified as estimated in four 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.

Annual Remedial Performance Sampling January through June 2017 and Artesian Well Sampling August 2017
1,2,3-Trichloropropane and 1,4-Dioxane - Data Qualification Summary - SDGs 440-183517-1, 440-183520-1, 440-183527-1, 440-183593-1, 440-183598-1, 440-183605-1, 440-183608-1, 440-183612-1, 440-183695-1, 440-183697-1, 440-183698-1, 440-183699-1, 440-183700-1, 440-183701-1, 440-183798-1, 440-183801-1, 440-183803-1, 440-183807-1, 440-183808-1, 440-183809-1, 440-183891-1, 440-183892-1, 440-183893-1, 440-183894-1, 440-183895-1, 440-184025-1, 440-184027-1, 440-184029-1, 440-184031-1, 440-184132-1, 440-184133-1, 440-184134-1, 440-184135-1, 440-184136-1, 440-184137-1, 440-184295-1, 440-184296-1, 440-184297-1, 440-184298-1, 440-184299-1, 440-184300-1, 440-184392-1, 440-184394-1, 440-184395-1, 440-184396-1, 440-184397-1, 440-184461-1, 440-184462-1, 440-184859-1, 440-186727-1, 440-187344-1, 440-190407-1, 440-191342-1

SDG	Sample	Compound	Flag	A or P	Reason (Code)
440-187344-1	M-182-20170627-TB31	All compounds	UJ (all non-detects)	A	Sample condition (headspace) (vh)
440-184029-1	M-125-20170509	All compounds	J+ (all detects)	A	Surrogates (%R) (s)
440-184031-1	MC-3-20170509	1,4-Dioxane	UJ (all non-detects)	A	Surrogates (%R) (s)
440-184031-1	MC-3-20170509	1,2,3-Trichloropropane	J- (all detects)	A	Surrogates (%R) (s)
440-184135-1	M-126-20170510	1,2,3-Trichloropropane	J+ (all detects)	P	Surrogates (%R) (s)
440-184031-1	MC-3-20170509	1,2,3-Trichloropropane	J- (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)

Annual Remedial Performance Sampling January through June 2017 and Artesian Well Sampling August 2017
1,2,3-Trichloropropane and 1,4-Dioxane - Laboratory Blank Data Qualification Summary - SDGs 440-183517-1, 440-183520-1, 440-183527-1, 440-183593-1, 440-183598-1, 440-183605-1, 440-183608-1, 440-183612-1, 440-183695-1, 440-183697-1, 440-183698-1, 440-183699-1, 440-183700-1, 440-183701-1, 440-183798-1, 440-183801-1, 440-183803-1, 440-183807-1, 440-183808-1, 440-183809-1, 440-183891-1, 440-183892-1, 440-183893-1, 440-183894-1, 440-183895-1, 440-184025-1, 440-184027-1, 440-184029-1, 440-184031-1, 440-184132-1, 440-184133-1, 440-184134-1, 440-184135-1, 440-184136-1, 440-184137-1, 440-184295-1, 440-184296-1, 440-184297-1, 440-184298-1, 440-184299-1, 440-184300-1, 440-184392-1, 440-184394-1, 440-184395-1, 440-184396-1, 440-184397-1, 440-184461-1, 440-184462-1, 440-184859-1, 440-186727-1, 440-187344-1, 440-190407-1, 440-191342-1

No Sample Data Qualified in these SDGs

Annual Remedial Performance Sampling January through June 2017 and Artesian Well Sampling August 2017
1,2,3-Trichloropropane and 1,4-Dioxane - Field Blank Data Qualification Summary – SDGs 440-183517-1, 440-183520-1, 440-183527-1, 440-183593-1, 440-183598-1, 440-183605-1, 440-183608-1, 440-183612-1, 440-183695-1, 440-183697-1, 440-183698-1, 440-183699-1, 440-183700-1, 440-183701-1, 440-183798-1, 440-183801-1, 440-183803-1, 440-183807-1, 440-183808-1, 440-183809-1, 440-183891-1, 440-183892-1, 440-183893-1, 440-183894-1, 440-183895-1, 440-184025-1, 440-184027-1, 440-184029-1, 440-184031-1, 440-184132-1, 440-184133-1, 440-184134-1, 440-184135-1, 440-184136-1, 440-184137-1, 440-184295-1, 440-184296-1, 440-184297-1, 440-184298-1, 440-184299-1, 440-184300-1, 440-184392-1, 440-184394-1, 440-184395-1, 440-184396-1, 440-184397-1, 440-184461-1, 440-184462-1, 440-184859-1, 440-186727-1, 440-187344-1, 440-190407-1, 440-191342-1

No Sample Data Qualified in these SDGs

ATTACHMENT C

Metals Data Validation Report

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

I. Sample Receipt and Technical Holding Times

All samples were received in good condition.

All technical holding time requirements were met.

II. Instrument Calibration

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

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

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

III. ICP Interference Check Sample Analysis

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

Interference check sample (ICS) analysis data were not reviewed for Stage 2A validation.

IV. Laboratory Blanks

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

SDG	Blank ID	Analyte	Maximum Concentration	Associated Samples
440-176090-1 440-176092-1 440-176093-1	PB (prep blank)	Chromium	0.00102 mg/L	All samples in SDGs 440-176090-1, 440-176092-1, 440-176093-1
440-176093-1	PB (prep blank)	Boron	0.0166 mg/L	M-10-20170208
440-176093-1	ICB/CCB	Boron	11.1 ug/L	M-10-20170208
440-177176-1	ICB/CCB	Chromium	0.887 ug/L	I-I 021617 I-V 021617

SDG	Blank ID	Analyte	Maximum Concentration	Associated Samples
440-178218-1	PB (prep blank)	Chromium	0.000860 mg/L	O 022717 I-W 022717 I-P 022717 I-H 022717 I-U 022717 I-T 022717 I-G 022717 I-G 022717 EB I-Q 022717 I-F 022717 I-X 022717 I-N 022717

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

SDG	Sample	Analyte	Reported Concentration	Modified Final Concentration
440-176093-1	M-10-20170208	Chromium	0.0023 mg/L	0.0023J mg/L
440-178218-1	I-G 022717 EB	Chromium	0.0013 mg/L	0.0013J mg/L

V. Field Blanks

Samples PC-115R 011617 EB and ART-3A 011617 EB (both from SDG 440-173604-1), I-U 011717-EB (from SDG 440-173724-1), M-10-20170208-EB4 (from SDG 440-176093-1), ART-7A 021517-EB, PC-117 021517-EB (both from SDG 440-177034-1), I-G 022717 EB (from SDG 440-178218-1), PC-150-032017-EB (from SDG 440-180060-1), PC-119-032017-EB (from SDG 440-180060-1), I-D 032217EB (from SDG 440-180294-1), I-V 040517 EB (from SDG 440-181479-1), PC-118 041217-EB (from SDG 440-182006-1), PC-150 041317-EB (from SDG 440-182125-1), PC-157A-20170503-EB5 (from SDG 440-183593-1), I-Q-05417EB (from SDG 440-183687-1), PC-122-20170504-EB6 (from SDG 440-183698-1), ARP-4A-20170504-EB7 (from SDG 440-183699-1), M-156-20170505-EB8 (from SDG 440-183808-1), PC-21A-20170508-EB9 (from SDG 440-183891-1), M-37-20170509-EB4 (from SDG 440-184025-1), M-19-20170510-EB11 (from SDG 440-184137-1), ART-4A-051017-EB (from SDG 440-184139-1), M-145-20170511-EB10 (from SDG 440-184296-1), PC-120-051117-EB (from SDG 440-184301-1), M-148A-20170512-EB12 (from SDG 440-184395-1), TR-7-20170512-EB14 (from SDG 440-184396-1), M-129-20170515-EB13 (from SDG 440-184461-1), PC-117 06/13/17-EB (from SDG 440-186399-1), ART-3A-061517-EB (from SDG 440-186631-1), and I-E 062017-EB (from SDG 440-186926-1) were identified as equipment blanks. No contaminants were found with the following exceptions:

SDG	Blank ID	Collection Date	Analyte	Concentration	Associated Samples
440-173604-1	ART-3A 011617 EB	01/16/17	Chromium	0.0029 mg/L	ART-3A 011617
440-173724-1	I-U 011717-EB	01/17/17	Chromium	0.0059 mg/L	I-U 011717**
440-178218-1	I-G 022717 EB	02/27/17	Chromium	0.0013 mg/L	I-G 022717
440-180060-1	PC-150-032017-EB	03/20/17	Chromium	0.0017 mg/L	PC-150-032017
440-180294-1	I-D 032217EB	03/22/17	Chromium	0.0026 mg/L	I-D 032217
440-181479-1	I-V 040517 EB	04/05/17	Chromium	0.0086 mg/L	I-V 040517
440-183687-1	I-Q-05417EB	05/04/17	Chromium	0.0095 mg/L	I-Q-05417
440-184296-1	M-145-20170511-EB10	05/11/17	Chromium	0.0033 mg/L	M-145-20170511

Samples M-38-20170208-FB4 (from SDG 440-176092-1), PC-90-20170503-FB5 (from SDG 440-183612-1), PC-127-20170505-FB7 (from SDG 440-183801-1), PC-149-20170505-FB6 (from SDG 440-183807-1), PC-101R-20170508-FB8 (from SDG 440-183892-1), M-48A-20170508-FB10 (from SDG 440-183895-1), M-162-20170510-FB11 (from SDG 440-184134-1), M-38-20170510-FB4 (from SDG 440-184135-1), M-71-20170510-FB12 (from SDG 440-184136-1), M-72-20170510-FB9 (from SDG 440-184137-1), M-192-20170511-FB13 (from SDG 440-184299-1), and M-191-20170512-FB14 (from SDG 440-184396-1) were identified as field blanks. No contaminants were found with the following exceptions:

SDG	Blank ID	Collection Date	Analyte	Concentration	Associated Samples
440-176092-1	M-38-20170208-FB4	02/08/17	Chromium	0.0014 mg/L	M-38-20170208
440-183801-1	PC-127-20170505-FB7	05/05/17	Chromium	0.0029 mg/L	PC-127-20170505
440-183892-1	PC-101R-20170508-FB8	05/08/17	Chromium	0.021 mg/L	PC-101R-20170508
440-184136-1	M-71-20170510-FB12	05/10/17	Chromium	0.0062 mg/L	M-71-20170510
440-184299-1	M-192-20170511-FB13	05/11/17	Chromium	0.0071 mg/L	M-192-20170511

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.

VI. Matrix Spike/Matrix Spike Duplicates

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

SDG	Spike ID (Associated Samples)	Analyte	MS (%R) (Limits)	MSD (%R) (Limits)	Flag	A or P
440-183808-1	PC-124-20170505-FD8MS/MSD (PC-123-20170505 PC-124-20170505 PC-124-20170505-FD8 PC-125-20170505 M-152-20170505 M-156-20170505)	Chromium	132 (70-130)	-	J+ (all detects)	A
440-184298-1	M-76-20170511MS/MSD (TR-2-20170511 M-163-20170511 M-161D-20170511 M-162D-20170511 M-132-20170511)	Chromium	-	137 (70-130)	J+ (all detects)	A
440-184300-1	M-76-20170511MS/MSD (M-76-20170511 M-2A-20170511)	Chromium	-	137 (70-130)	J+ (all detects)	A

For I-F 011817MS/MSD (from SDG 440-173842-1), I-X 032217MS/MSD (from SGD 440-180294-1), I-G 040617MS/MSD (from SDG 440-181553-1), I-M 041117MS/MSD (from SDG 440-181868-1), I-O-05417MS/MSD, I-F-05417MS/MSD (both from SDG 440-183687-1), M-25-20170509MS/MSD (from SDG 440-184025-1), I-N-050917MS/MSD (from SDG 440-184033-1), and M-22A-20170510MS/MSD (from SDG 440-184135-1), no data were qualified for Chromium percent recoveries (%R) outside the QC limits since the parent sample results were greater than 4X the spike concentration.

For M-5A-20170510MS/MSD (from SDG 440-184133-1), no data were qualified for Boron and Sodium percent recoveries (%R) outside the QC limits since the parent sample results were greater than 4X the spike concentration.
Relative percent differences (RPD) were within QC limits.

VII. Duplicate Sample Analysis

Duplicate (DUP) analyses were not performed for these SDGs.

VIII. Serial Dilution

Serial dilution analysis was performed on an associated project sample. Percent differences (%D) 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.

X. Field Duplicates

Samples PC-117 011617 and PC-117 011617 FD (from SDG 440-173604-1), samples ART-6 011617 and ART-6 011617 FD (from SDG 440-173604-1), samples I-H 011717** and I-H 011717-FD** (from SDG 440-173724-1), samples M-12A-20170207 and M-12A-20170207-FD4 (from SDG 440-175904-1), samples ART-4 021517 and ART-4 021517-FD (from SDG 440-177034-1), samples PC-118 021517 and PC-118 021517-FD (from SDG 440-177034-1), samples I-J 021617 and I-J 021617-FD (from SDG 440-177176-1), ART-9-032017 and ART-9-032017-FD (both from SDG 440-180060-1), samples PC-99R2/R3-032017 and PC-99R2/R3-032017-FD (both from SDG 440-180060-1), samples I-X 032217 and I-X 032217FD (both from SDG 440-180294-1), samples I-I 040517 and I-I 040517 FD (both from SDG 440-181479-1), samples PC-119 041217 and PC-119 041217-FD (both from SDG 440-182006-1), samples ART-8A 041317 and ART-8A 041317-FD (both from SDG 440-182125-1), samples DBMW-4-20170503 and DBMW-4-20170503-FD6 (both from SDG 440-183605-1), samples I-H-05417 and I-H-05417FD (both from SDG 440-183687-1), samples HM-2-20170504 and HM-2-20170504-FD5 (both from SDG 440-183697-1), samples PC-124-20170505 and PC-124-20170505-FD8 (both from SDG 440-183808-1), samples PC-126-20170505 and PC-126-20170505-FD7 (both from SDG 440-183809-1), samples MW-16-20170509 and MW-16-20170509-FD11 (both from SDG 440-184025-1), samples M-79-20170509 and M-79-20170509-FD9 (both from SDG 440-184027-1), samples M-135-20170510 and M-135-20170510-FD10 (both from SDG 440-184136-1), samples ART-2-051017 and ART-2-051017-FD (both from SDG 440-184139-1), samples TR-6-20170511 and TR-6-20170511-FD12 (both from SDG 440-184295-1), samples M-80-20170511 and M-80-20170511-FD4 (both from SDG 440-184297-1), samples M-83-20170511 and M-83-20170511-FD14 (both from SDG 440-184299-1), samples PC-116R-051117 and PC-116R-051117-FD (both from SDG 440-184301-1), samples M-13-20170512 and M-13-20170512-FD13 (both from SDG 440-184395-1), samples PC-121 06/13/17 and PC-121 06/13/17-FD (both from SDG 440-186399-1), sample PC-150-061517 and PC-150-061517-FD (both from SDG 440-186631-1), and samples I-F 062017 and I-F 062017-FD (both from SDG 440-186926-1), 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
		ART-6 011617	ART-6 011617 FD			
440-173604-1	Chromium	0.63	0.62	2 (≤30)	-	-

SDG	Analyte	Concentration (mg/L)		RPD (Limits)	Flag	A or P
		I-H 011717**	I-H 011717-FD**			
440-173724-1	Chromium	18	18	0 (≤30)	-	-

SDG	Analyte	Concentration (mg/L)		RPD (Limits)	Flag	A or P
		M-12A-20170207	M-12A-20170207-FD4			
440-175904-1	Chromium	5.7	5.9	3 (≤30)	-	-

SDG	Analyte	Concentration (mg/L)		RPD (Limits)	Flag	A or P
		ART-4 021517	ART-4 021517-FD			
440-177034-1	Chromium	0.31	0.31	0 (≤30)	-	-

SDG	Analyte	Concentration (mg/L)		RPD (Limits)	Flag	A or P
		I-J 021617	I-J 021617-FD			
440-177176-1	Chromium	3.6	3.5	3 (≤30)	-	-

SDG	Analyte	Concentration (mg/L)		RPD (Limits)	Flag	A or P
		ART-9-032017	ART-9-032017-FD			
440-180060-1	Chromium	0.73	0.72	1 (≤30)	-	-

SDG	Analyte	Concentration (mg/L)		RPD (Limits)	Flag	A or P
		PC-99R2/R3-032017	PC-99R2/R3-032017-FD			
440-180060-1	Chromium	0.00066	0.00075	13 (≤30)	-	-

SDG	Analyte	Concentration (mg/L)		RPD (Limits)	Flag	A or P
		I-X 032217	I-X 032217FD			
440-180294-1	Chromium	8.5	8.4	1 (≤30)	-	-

SDG	Analyte	Concentration (mg/L)		RPD (Limits)	Flag	A or P
		I-I 040517	I-I 040517 FD			
440-181479-1	Chromium	13	14	7 (≤30)	-	-

SDG	Analyte	Concentration (mg/L)		RPD (Limits)	Flag	A or P
		ART-8A 041317	ART-8A 041317-FD			
440-182125-1	Chromium	0.095	0.085	11 (≤30)	-	-

SDG	Analyte	Concentration (mg/L)		RPD (Limits)	Flag	A or P
		DBMW-4-20170503	DBMW-4-20170503-FD6			
440-183605-1	Chromium	0.090	0.093	3 (≤30)	-	-

SDG	Analyte	Concentration (mg/L)		RPD (Limits)	Flag	A or P
		I-H-05417	I-H-05417FD			
440-183687-1	Chromium	18	18	0 (≤30)	-	-

SDG	Analyte	Concentration (mg/L)		RPD (Limits)	Flag	A or P
		HM-2-20170504	HM-2-20170504-FD5			
440-183697-1	Chromium	0.052	0.050	4 (≤30)	-	-

SDG	Analyte	Concentration (mg/L)		RPD (Limits)	Flag	A or P
		PC-124-20170505	PC-124-20170505-FD8			
440-183808-1	Chromium	0.098	0.10	2 (≤30)	-	-

SDG	Analyte	Concentration (mg/L)		RPD (Limits)	Flag	A or P
		PC-126-20170505	PC-126-20170505-FD7			
440-183809-1	Chromium	0.32	0.31	3 (≤30)	-	-

SDG	Analyte	Concentration (mg/L)		RPD (Limits)	Flag	A or P
		M-79-20170509	M-79-20170509-FD9			
440-184027-1	Chromium	0.11	0.12	9 (≤30)	-	-

SDG	Analyte	Concentration (mg/L)		RPD (Limits)	Flag	A or P
		M-135-20170510	M-135-20170510-FD10			
440-184136-1	Chromium	0.068	0.065	5 (≤30)	-	-

SDG	Analyte	Concentration (mg/L)		RPD (Limits)	Flag	A or P
		ART-2-051017	ART-2-051017-FD			
440-184139-1	Chromium	0.0034	0.0035	3 (≤30)	-	-

SDG	Analyte	Concentration (mg/L)		RPD (Limits)	Flag	A or P
		TR-6-20170511	TR-6-20170511-FD12			
440-184295-1	Chromium	0.058	0.033	55 (≤30)	NQ	-

SDG	Analyte	Concentration (mg/L)		RPD (Limits)	Flag	A or P
		M-80-20170511	M-80-20170511-FD4			
440-184297-1	Chromium	2.8	2.7	4 (≤30)	-	-

SDG	Analyte	Concentration (mg/L)		RPD (Limits)	Flag	A or P
		M-83-20170511	M-83-20170511-FD14			
440-184299-1	Chromium	1.5	1.5	0 (≤30)	-	-

SDG	Analyte	Concentration (mg/L)		RPD (Limits)	Flag	A or P
		M-13-20170512	M-13-20170512-FD13			
440-184395-1	Chromium	0.13	0.13	0 (≤30)	-	-

SDG	Analyte	Concentration (mg/L)		RPD (Limits)	Flag	A or P
		PC-150-061517	PC-150-061517-FD			
440-186631-1	Chromium	0.16	0.15	6 (≤30)	-	-

SDG	Analyte	Concentration (mg/L)		RPD (Limits)	Flag	A or P
		I-F 062017	I-F 062017-FD			
440-186926-1	Chromium	11	11	0 (≤30)	-	-

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

XI. Sample Result Verification

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

XII. Overall Assessment of Data

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

Due to MS/MSD %R, data were qualified as estimated in thirteen samples.

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

Annual Remedial Performance Sampling January through June 2017 and Artesian Well Sampling August 2017

Metals - Data Qualification Summary - SDGs 440-173604-1, 440-173724-1, 440-173842-1, 440-175903-1, 440-175904-1, 440-176090-1, 440-176092-1, 440-176093-1, 440-177034-1, 440-177176-1, 440-178218-1, 440-180060-1, 440-180167-1, 440-180294-1, 440-180438-1, 440-181479-1, 440-181553-1, 440-181868-1, 440-182006-1, 440-182125-1, 440-183517-1, 440-183520-1, 440-183527-1, 440-183570-1, 440-183593-1, 440-183598-1, 440-183605-1, 440-183608-1, 440-183612-1, 440-183687-1, 440-183695-1, 440-183697-1, 440-183698-1, 440-183699-1, 440-183700-1, 440-183701-1, 440-183798-1, 440-183801-1, 440-183803-1, 440-183807-1, 440-183808-1, 440-183809-1, 440-183891-1, 440-183892-1, 440-183893-1, 440-183894-1, 440-183895-1, 440-184025-1, 440-184027-1, 440-184029-1, 440-184031-1, 440-184033-1, 440-184132-1, 440-184133-1, 440-184134-1, 440-184135-1, 440-184136-1, 440-184137-1, 440-184139-1, 440-184143-1, 440-184295-1, 440-184296-1, 440-184297-1, 440-184298-1, 440-184299-1, 440-184300-1, 440-184301-1, 440-184392-1, 440-184394-1, 440-184395-1, 440-184396-1, 440-184397-1, 440-184461-1, 440-184462-1, 440-184859-1, 440-186399-1, 440-186498-1, 440-186631-1, 440-186727-1, 440-186812-1, 440-186926-1, 440-187344-1, 440-190407-1, 440-191342-1

SDG	Sample	Analyte	Flag	A or P	Reason (Code)
440-183808-1	PC-123-20170505 PC-124-20170505 PC-124-20170505-FD8 PC-125-20170505 M-152-20170505 M-156-20170505	Chromium	J+ (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-184298-1	TR-2-20170511 M-163-20170511 M-161D-20170511 M-162D-20170511 M-132-20170511	Chromium	J+ (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-184300-1	M-76-20170511 M-2A-20170511	Chromium	J+ (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)

Annual Remedial Performance Sampling January through June 2017 and Artesian Well Sampling August 2017
Metals - Laboratory Blank Data Qualification Summary - SDGs 440-173604-1, 440-173724-1, 440-173842-1, 440-175903-1, 440-175904-1, 440-176090-1, 440-176092-1, 440-176093-1, 440-177034-1, 440-177176-1, 440-178218-1, 440-180060-1, 440-180167-1, 440-180294-1, 440-180438-1, 440-181479-1, 440-181553-1, 440-181868-1, 440-182006-1, 440-182125-1, 440-183517-1, 440-183520-1, 440-183527-1, 440-183570-1, 440-183593-1, 440-183598-1, 440-183605-1, 440-183608-1, 440-183612-1, 440-183687-1, 440-183695-1, 440-183697-1, 440-183698-1, 440-183699-1, 440-183700-1, 440-183701-1, 440-183798-1, 440-183801-1, 440-183803-1, 440-183807-1, 440-183808-1, 440-183809-1, 440-183891-1, 440-183892-1, 440-183893-1, 440-183894-1, 440-183895-1, 440-184025-1, 440-184027-1, 440-184029-1, 440-184031-1, 440-184033-1, 440-184132-1, 440-184133-1, 440-184134-1, 440-184135-1, 440-184136-1, 440-184137-1, 440-184139-1, 440-184143-1, 440-184295-1, 440-184296-1, 440-184297-1, 440-184298-1, 440-184299-1, 440-184300-1, 440-184301-1, 440-184392-1, 440-184394-1, 440-184395-1, 440-184396-1, 440-184397-1, 440-184461-1, 440-184462-1, 440-184859-1, 440-186399-1, 440-186498-1, 440-186631-1, 440-186727-1, 440-186812-1, 440-186926-1, 440-187344-1, 440-190407-1, 440-191342-1

SDG	Sample	Analyte	Modified Final Concentration	A or P	Code
440-176093-1	M-10-20170208	Chromium	0.0023J mg/L	A	bl
440-178218-1	I-G 022717 EB	Chromium	0.0013J mg/L	A	bl

Annual Remedial Performance Sampling January through June 2017 and Artesian Well Sampling August 2017
Metals - Field Blank Data Qualification Summary - SDGs 440-173604-1, 440-173724-1, 440-173842-1, 440-175903-1, 440-175904-1, 440-176090-1, 440-176092-1, 440-176093-1, 440-177034-1, 440-177176-1, 440-178218-1, 440-180060-1, 440-180167-1, 440-180294-1, 440-180438-1, 440-181479-1, 440-181553-1, 440-181868-1, 440-182006-1, 440-182125-1, 440-183517-1, 440-183520-1, 440-183527-1, 440-183570-1, 440-183593-1, 440-183598-1, 440-183605-1, 440-183608-1, 440-183612-1, 440-183687-1, 440-183695-1, 440-183697-1, 440-183698-1, 440-183699-1, 440-183700-1, 440-183701-1, 440-183798-1, 440-183801-1, 440-183803-1, 440-183807-1, 440-183808-1, 440-183809-1, 440-183891-1, 440-183892-1, 440-183893-1, 440-183894-1, 440-183895-1, 440-184025-1, 440-184027-1, 440-184029-1, 440-184031-1, 440-184033-1, 440-184132-1, 440-184133-1, 440-184134-1, 440-184135-1, 440-184136-1, 440-184137-1, 440-184139-1, 440-184143-1, 440-184295-1, 440-184296-1, 440-184297-1, 440-184298-1, 440-184299-1, 440-184300-1, 440-184301-1, 440-184392-1, 440-184394-1, 440-184395-1, 440-184396-1, 440-184397-1, 440-184461-1, 440-184462-1, 440-184859-1, 440-186399-1, 440-186498-1, 440-186631-1, 440-186727-1, 440-186812-1, 440-186926-1, 440-187344-1, 440-190407-1, 440-191342-1

No Sample Data Qualified in these SDGs

ATTACHMENT D

Wet Chemistry Data Validation Report

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

I. Sample Receipt and Technical Holding Times

All samples were received in good condition.

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

SDG	Sample	Analyte	Total Time From Sample Collection Until Analysis	Required Holding Time From Sample Collection Until Analysis	Flag	A or P
440-176093-1	M-10-20170208-EB4	Hexavalent chromium	186.43 hours	24 hours	R (all non-detects)	P

II. Initial Calibration

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

III. Continuing Calibration

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

IV. Laboratory Blanks

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

V. Field Blanks

Samples PC-115R 011617 EB and ART-3A 011617 EB (both from SDG 440-173604-1), I-U 011717-EB (from SDG 440-173724-1), PC-115R 011617 EB and ART-3A 011617 EB (both from SDG 440-175133-1/N022664), I-U 011717-EB (from SDG 440-175346-1/N022680), M-10-20170208-EB4 (from SDG 440-176093-1), ART-7A 021517-EB, PC-117 021517-EB (both from SDG 440-177034-1), PC-117 021517-EB, ART-7A 021517-EB (both from SDG 440-178468-1/N023119), I-G 022717 EB (from SDGs 440-178218-

1 and 440-179375-1/N023236), PC-150-032017-EB (from SDG 440-180060-1), PC-119-032017-EB (from SDG 440-180060-1), PC-150-032017-EB (from SDG 440-180061-1), PC-119-032017-EB (from SDG 440-180061-1), I-D 032217EB (from SDG 440-180294-1), I-D 032217EB (from SDG 440-181552-1/N023560), I-V 040517 EB (from SDG 440-181479-1), PC-118 041217-EB (from SDG 440-182006-1), PC-118-041217EB (from SDG 440-182094-1/N023814), PC-150 041317-EB (from SDG 440-182125-1), I-V-040517-EB (from SDG 440-183052-1), PC-150-041317-EB (from SDG 440-183057-1), PC-157A-20170503-EB5 (from SDG 440-183593-1), I-Q-05417EB (from SDG 440-183687-1), PC-122-20170504-EB6 (from SDG 440-183698-1), ARP-4A-20170504-EB7 (from SDG 440-183699-1), I-Q-050417-EB (from SDG 440-183719-1/N024093), M-156-20170505-EB8 (from SDG 440-183808-1), PC-21A-20170508-EB9 (from SDG 440-183891-1), PC-107-20170508-EB15 (from SDG 440-183895-1), M-37-20170509-EB4 (from SDG 440-184025-1), M-19-20170510-EB11 (from SDG 440-184137-1), ART-4A-051017-EB (from SDG 440-184139-1), M-145-20170511-EB10 (from SDG 440-184296-1), PC-120-051117-EB (from SDG 440-184301-1), PC-120-051117-EB (from SDG 440-184306-1/N024189), M-148A-20170512-EB12 (from SDG 440-184395-1), TR-7-20170512-EB14 (from SDG 440-184396-1), M-129-20170515-EB13 (from SDG 440-184461-1), ART-4A-051017-EB (from SDG 440-184647-1/N024167), PC-117 06/13/17-EB (from SDGs 440-186396-1/N024579 and 440-186399-1), ART-3A-061517-EB (from SDG 440-186631-1), ART-3A-061517-EB (from SDG 440-186633-1/N024606), I-E 062017-EB (from SDG 440-186926-1), and I-E-062017-EB (from SDG 440-186931-1/N024656) were identified as equipment blanks. No contaminants were found with the following exceptions:

SDG	Blank ID	Collection Date	Analyte	Concentration	Associated Samples
440-176093-1	M-10-20170208-EB4	02/08/17	Perchlorate	1.3 ug/L	M-10-20170208
440-180294-1	I-D 032217EB	03/22/17	Chlorate	15 ug/L	I-D 032217
440-184025-1	M-37-20170509-EB4	05/09/17	Perchlorate	1.7 ug/L	M-37-20170509
440-184396-1	TR-7-20170512-EB14	05/12/17	Nitrate as N	0.079 mg/L	TR-7-20170512

Samples M-38-20170208-FB4 (from SDG 440-176092-1), ART-8A-041317-FB (from SDG 440-183057-1), PC-90-20170503-FB5 (from SDG 440-183612-1), PC-127-20170505-FB7 (from SDG 440-183801-1), PC-149-20170505-FB6 (from SDG 440-183807-1), PC-101R-20170508-FB8 (from SDG 440-183892-1), MC-97-20170508-FB15 (from SDG 440-183894-1), M-48A-20170508-FB10 (from SDG 440-183895-1), M-162-20170510-FB11 (from SDG 440-184134-1), M-38-20170510-FB4 (from SDG 440-184135-1), M-71-20170510-FB12 (from SDG 440-184136-1), M-72-20170510-FB9 (from SDG 440-184137-1), M-192-20170511-FB13 (from SDG 440-184299-1), M-191-20170512-FB14 (from SDG 440-184396-1), LVW 4.2-20170628-FB and #8-9 3Kids Weir-20170629-FB (both from SDG 440-187579-1) were identified as field blanks. No contaminants were found with the following exceptions:

SDG	Blank ID	Collection Date	Analyte	Concentration	Associated Samples
440-176092-1	M-38-20170208-FB4	02/08/17	Hexavalent chromium	0.37 ug/L	M-38-20170208
440-183057-1	ART-8A-041317-FB	04/13/17	Hexavalent chromium	0.084 mg/L	ART-8A-20170413
440-187579-1	LVW 4.2-20170628-FB	06/28/17	Total dissolved solids	8.0 mg/L	LVW 4.2-20170628-1

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
440-183057-1	ART-8A-20170413	Hexavalent chromium	0.084 mg/L	0.084J mg/L

VI. Surrogates

Surrogates were added to all samples as required by method 300.1B. 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	Spike ID (Associated Samples)	Analyte	MS (%R) (Limits)	MSD (%R) (Limits)	Flag	A or P
440-180060-1	ART-9-032017MS/MSD (ART-1A-032017 ART-2A-032017 ART-3A-032017 ART-4-032017 ART-6-032017 ART-7A-032017 ART-8A-032017 ART-9-032017)	Nitrate as N	65 (75-125)	68 (75-125)	J- (all detects) UJ (all non-detects)	A
440-181479-1	I-V 040517MS/MSD (I-AD 040517 I-AC 040517 I-K 040517 I-J 040517 I-Z 040517 I-I 040517 I-V 040517 I-I 040517 FD)	Nitrate as N	-	130 (75-125)	J+ (all detects)	A

SDG	Spike ID (Associated Samples)	Analyte	MS (%R) (Limits)	MSD (%R) (Limits)	Flag	A or P
440-181479-1	I-V 040517MS/MSD (I-V 040517 EB)	Nitrate as N	-	130 (75-125)	NA	-
440-182006-1	PC-119 041217MS/MSD (PC-99R2/R3 041217 PC-115R 041217 PC-116R 041217 PC-117 041217 PC-118 041217 PC-119 041217 PC-119 041217-FD)	Chlorate	-	72 (75-125)	J- (all detects) UJ (all non-detects)	A
440-183605-1	PC-58-20170503MS/MSD (DBMW-4-20170503 DBMW-4-20170503-FD6 PC-58-20170503 PC-77-20170503)	Nitrate as N	-	127 (80-120)	J+ (all detects)	A
440-183687-1	PC-56-20170503MS/MSD (I-F-05417 I-X-05417)	Nitrate as N	66 (80-120)	65 (80-120)	J- (all detects)	A
440-183798-1	PC-137D-20170504MS/MSD (PC-132-20170505)	Perchlorate	73 (80-120)	65 (80-120)	UJ (all non-detects)	A
440-184025-1	MW-16-20170509MS/MSD (MW-16-20170509 MW-16-20170509-FD11 M-25-20170509 M-37-20170509)	Nitrate as N	124 (80-120)	124 (80-120)	J+ (all detects)	A
440-184133-1	M-6A-20170510MS/MSD (All samples in SDG 440-184133-1)	Total recoverable phenolics	42 (72-118)	-	J- (all detects) UJ (all non-detects)	A
440-184301-1	M-186D-20170512MS/MSD (PC-118-051117)	Perchlorate	68 (80-120)	71 (80-120)	J- (all detects)	A
440-184392-1	M-193-20170512MS/MSD (M-33-20170512)	Nitrate as N	166 (80-120)	-	J+ (all detects)	A
440-184392-1	M-186D-20170512MS/MSD (M-141-20170512 M-77-20170512 M-33-20170512)	Perchlorate	68 (80-120)	71 (80-120)	J- (all detects)	A
440-184394-1	M-193-20170512MS/MSD (M-186-20170512 TR-8-20170512)	Nitrate as N	166 (80-120)	-	J+ (all detects)	A
440-184394-1	M-186D-20170512MS/MSD (All samples in SDG 440-184394-1)	Perchlorate	68 (80-120)	71 (80-120)	J- (all detects) UJ (all non-detects)	A

SDG	Spike ID (Associated Samples)	Analyte	MS (%R) (Limits)	MSD (%R) (Limits)	Flag	A or P
440-184395-1	M-193-20170512MS/MSD (M-149-20170512)	Nitrate as N	166 (80-120)	-	J+ (all detects)	A
440-184395-1	M-186D-20170512MS/MSD (M-13-20170512 M-13-20170512-FD13 M-148A-20170512 M-149-20170512 M-153-20170512)	Perchlorate	68 (80-120)	71 (80-120)	J- (all detects)	A
440-184396-1	M-193-20170512MS/MSD (M-193-20170512 TR-10-20170512 TR-7-20170512)	Nitrate as N	166 (80-120)	-	J+ (all detects)	A
440-184396-1	M-186D-20170512MS/MSD (M-123-20170512)	Perchlorate	68 (80-120)	71 (80-120)	J- (all detects)	A
440-184397-1	M-193-20170512MS/MSD (M-190-20170512)	Nitrate as N	166 (80-120)	-	J+ (all detects)	A

For PC-118 021517-FDMS/MSD (from SDG 440-177034-1), I-AA 032217MS/MSD and I-AR 032217MS/MSD (both from SDG 440-180294-1), I-O 040617MS/MSD and I-W 040617 MS/MSD (both from SDG 440-181553-1), PC-58-20170503MS/MSD (from SDG 440-183605-1), PC-91-20170503MS/MSD, PC-136-20170503MS/MSD (both from SDG 440-183612-1), I-H-05417MS/MSD (from SDG 440-183687-1), PC-122-20170504MS/MSD (from SDG 440-183698-1), PC-148-20170504MS/MSD (from SDG 440-183699-1), PC-128-20170505MS/MSD (from SDG 440-183803-1), MC-65-20170508MS/MSD (from SDG 440-183893-1), M-79-20170509MS/MSD (from SDG 440-184027-1), I-N-050917MS/MSD and I-S-050917MS/MSD (both from SDG 440-184033-1), M-73-20170510MS/MSD and M-67-20170510MS/MSD (both from SDG 440-184132-1), M-64-20170510MS/MSD and M-72-20170510MS/MSD (both from SDG 440-184137-1), I-AB-051017MS/MSD (from SDG 440-184143-1), M-5A-20170511MS/MSD, M-117-20170511MS/MSD, and M-103-20170511MS/MSD (all three from SDG 440-184295-1), M-138-20170511MS/MSD (from SDG 440-184297-1), M-163-20170511MS/MSD (from SDG 440-184298-1), M-144-20170511MS (from SDG 440-184299-1), M-186D-20170512MS/MSD (from SDG 440-184394-1), M-11-20170515MS/MSD (from SDG 440-184461-1), I-AD 06/14/17MS/MSD (from SDG 440-186498-1) and PC-150-061517MS/MSD (from SDG 440-186631-1), no data were qualified for Chlorate percent recoveries (%R) outside the QC limits since the parent sample results were greater than 4X the spike concentration.

For I-Q 032217MS/MSD and I-C 032217MS/MSD (both from SDG 440-180294-1), I-B 041117MS/MSD (from SDG 440-181868), M-71-20170510MS/MSD (from SDG 440-184136-1), no data were qualified for Nitrate as Nitrogen percent recoveries (%R) outside the QC limits since the parent sample results were greater than 4X the spike concentration.

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

SDG	Spike ID (Associated Samples)	Analyte	RPD (Limits)	Flag	A or P
440-184133-1	M-6A-20170510MS/MSD (All samples in SDG 440-184133-1)	Total recoverable phenolics	83 (≤16)	J (all detects) UJ (all non-detects)	A
440-184392-1	M-193-20170512MS/MSD (M-33-20170512)	Nitrate as N	25 (≤20)	J (all detects)	A
440-184394-1	M-193-20170512MS/MSD (M-186-20170512 TR-8-20170512)	Nitrate as N	25 (≤20)	J (all detects)	A
440-184395-1	M-193-20170512MS/MSD (M-149-20170512)	Nitrate as N	25 (≤20)	J (all detects)	A
440-184396-1	M-193-20170512MS/MSD (M-193-20170512 TR-10-20170512 TR-7-20170512)	Nitrate as N	25 (≤20)	J (all detects)	A
440-184397-1	M-193-20170512MS/MSD (M-190-20170512)	Nitrate as N	25 (≤20)	J (all detects)	A

VIII. Duplicates

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

Samples PC-117 011617 and PC-117 011617 FD (both from SDG 440-173604-1), samples ART-6 011617 and ART-6 011617 FD (both from SDG 440-173604-1), samples I-H 011717** and I-H 011717-FD** (both from SDG 440-173724-1), samples PC-117 011617 and PC-117 011617 FD (both from SDG 440-175133-1/N022664), samples ART-6 011617 and ART-6 011617 FD (both from SDG 440-175133-1/N022664), samples I-H 011717** and I-H 011717-FD** (both from SDG 440-175346-1/N022680), samples M-12A-20170207 and M-12A-20170207-FD4 (from SDG 440-175904-1), samples ART-4 021517 and ART-4 021517-FD (from SDG 440-177034-1), samples PC-118 021517 and PC-118 021517-FD (from SDG 440-177034-1), samples I-J 021617 and I-J 021617-FD (from SDG 440-177176-1), samples PC-118 021517 and PC-118 021517-FD (from SDG 440-178468-1/N023119), samples ART-4 021517 and

ART-4 021517-FD (from SDG 440-178468-1/N023119), samples I-J 021617 and I-J 021617-FD (from SDG 440-178775-1/N023128), samples ART-9-032017 and ART-9-032017-FD (both from SDG 440-180060-1), samples PC-99R2/R3-032017 and PC-99R2/R3-032017-FD (both from SDG 440-180060-1), samples ART-9-032017 and ART-9-032017-FD (both from SDG 440-180061-1), samples PC-99R2/R3-032017 and PC-99R2/R3-032017-FD (both from SDG 440-180061-1), samples I-X 032217 and I-X 032217FD (both from SDG 440-180294-1), samples I-X 032217 and I-X 032217FD (both from SDG 440-181522-1/N023560), I-I 040517 and I-I 040517 FD (both from SDG 440-181479-1), samples PC-119 041217 and PC-119 041217-FD (both from SDG 440-182006-1), samples PC-119-041217 and PC-119 041217FD (both from SDG 440-182094-1/N023814), samples ART-8A 041317 and ART-8A 041317-FD (both from SDG 440-182125-1), samples I-I-040517 and I-I-040517-FD (both from SDG 440-183052-1), samples PC-96-20170503 and PC-96-20170503-FD15 (both from SDG 440-183598-1), samples DBMW-4-20170503 and DBMW-4-20170503-FD6 (both from SDG 440-183605-1), samples I-H-05417 and I-H-05417FD (both from SDG 440-183687-1), samples HM-2-20170504 and HM-2-20170504-FD5 (both from SDG 440-183697-1), samples I-H-050417 and I-H-050417-FD (both from SDG 440-183719-1/N024093), samples PC-124-20170505 and PC-124-20170505-FD8 (both from SDG 440-183808-1), samples PC-126-20170505 and PC-126-20170505-FD7 (both from SDG 440-183809-1), samples MW-16-20170509 and MW-16-20170509-FD11 (both from SDG 440-184025-1), samples M-79-20170509 and M-79-20170509-FD9 (both from SDG 440-184027-1), samples M-135-20170510 and M-135-20170510-FD10 (both from SDG 440-184136-1), samples ART-2-051017 and ART-2-051017-FD (both from SDG 440-184139-1), samples TR-6-20170511 and TR-6-20170511-FD12 (both from SDG 440-184295-1), samples M-80-20170511 and M-80-20170511-FD4 (both from SDG 440-184297-1), samples M-83-20170511 and M-83-20170511-FD14 (both from SDG 440-184299-1), samples PC-116R-051117 and PC-116R-051117-FD (both from SDG 440-184301-1), samples PC-116R-051117 and PC-116R-051117-FD (both from SDG 440-184306-1/N024189), samples M-13-20170512 and M-13-20170512-FD13 (both from SDG 440-184395-1), samples ART-2-051017 and ART-2-051017-FD (both from SDG 440-184647-1/N024167), samples PC-121 06/13/17 and PC-121 06/13/17-FD (both from SDGs 440-186396-1/N024579 and 440-186399-1), samples PC-150-061517 and PC-150-061517-FD (both from SDG 440-186631-1), samples PC-150-061517 and PC-150-061517-FD (both from SDG 440-186633-1/N024606), samples I-F 062017 and I-F 062017-FD (both from SDG 440-186926-1), samples I-F-062017 and I-F-062017-FD (both from SDG 440-186931-1/N024656), samples LVW 6.6-20170628-1 and LVW 6.6-20170628-FD (both from SDG 440-187579-1), and samples #8-9 3Kids Weir-20170629 and #8-9 3Kids Weir-20170629-FD (both from SDG 440-187579-1) were identified as field duplicates. No results were detected in any of the samples with the following exceptions:

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		PC-117 011617	PC-117 011617 FD			
440-173604-1	Chlorate	11000 ug/L	11000 ug/L	0 (≤30)	-	-
	Chloride	870 mg/L	910 mg/L	4 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		PC-117 011617	PC-117 011617 FD			
440-173604-1	Sulfate	1000 mg/L	950 mg/L	5 (≤30)	-	-
	Nitrate as N	2.4 mg/L	2.9 mg/L	19 (≤30)	-	-
	Perchlorate	8300 ug/L	9200 ug/L	10 (≤30)	-	-
	Total dissolved solids	3000 mg/L	3000 mg/L	0 (≤30)	-	-
	pH	7.36 SU	7.33 SU	0 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		ART-6 011617	ART-6 011617 FD			
440-173604-1	Chlorate	45000 ug/L	46000 ug/L	2 (≤30)	-	-
	Nitrate as N	11 mg/L	12 mg/L	9 (≤30)	-	-
	Perchlorate	30000 ug/L	31000 ug/L	3 (≤30)	-	-
	Total dissolved solids	5300 mg/L	5300 mg/L	0 (≤30)	-	-
	pH	7.84 SU	7.77 SU	1 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		I-H 011717**	I-H 011717-FD**			
440-173724-1	Chlorate	3700000 ug/L	3900000 ug/L	5 (≤30)	-	-
	Nitrate as N	60 mg/L	60 mg/L	0 (≤30)	-	-
	Perchlorate	1600000 ug/L	1600000 ug/L	0 (≤30)	-	-
	Total dissolved solids	12000 mg/L	12000 mg/L	0 (≤30)	-	-
	pH	7.00 SU	6.98 SU	0 (≤30)	-	-

SDG	Analyte	Concentration (ug/L)		RPD (Limits)	Flag	A or P
		PC-117 011617	PC-117 011617 FD			
440-175133-1/N022664	Hexavalent chromium	0.97	0.91	6 (≤30)	-	-

SDG	Analyte	Concentration (ug/L)		RPD (Limits)	Flag	A or P
		ART-6 011617	ART-6 011617 FD			
440-175133-1/N022664	Hexavalent chromium	580	600	3 (≤30)	-	-

SDG	Analyte	Concentration (ug/L)		RPD (Limits)	Flag	A or P
		I-H 011717**	I-H 011717-FD**			
440-175346-1/N022680	Hexavalent chromium	18000	18000	0 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		M-12A-20170207	M-12A-20170207-FD4			
440-176090-1	Perchlorate	170000 ug/L	180000 ug/L	6 (≤30)	-	-
	Total dissolved solids	5600 mg/L	5500 mg/L	2 (≤30)	-	-
	Hexavalent chromium	6900 ug/L	6900 ug/L	0 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		ART-4 021517	ART-4 021517-FD			
440-177034-1	Chlorate	260000 ug/L	260000 ug/L	0 (≤30)	-	-
	Nitrate as N	16 mg/L	16 mg/L	0 (≤30)	-	-
	Perchlorate	210000 ug/L	250000 ug/L	17 (≤30)	-	-
	Total dissolved solids	5900 mg/L	5900 mg/L	0 (≤30)	-	-
	pH	7.43 SU	7.41 SU	0 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		ART-4 021517	ART-4 021517-FD			
440-178468-1/N023119	Hexavalent chromium	310 ug/L	320 ug/L	3 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		PC-118 021517	PC-118 021517-FD			
440-177034-1	Chlorate	2600 ug/L	2600 ug/L	0 (≤30)	-	-
	Nitrate as N	2.3 mg/L	2.1 mg/L	9 (≤30)	-	-
	Perchlorate	7200 ug/L	7500 ug/L	4 (≤30)	-	-
	Total dissolved solids	2700 mg/L	2700 mg/L	0 (≤30)	-	-
	pH	7.12 SU	7.20 SU	1 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		I-J 021617	I-J 021617-FD			
440-177176-1	Chlorate	1100000 ug/L	1100000 ug/L	0 (≤30)	-	-
	Nitrate as N	10 mg/L	10 mg/L	0 (≤30)	-	-
	Perchlorate	380000 ug/L	380000 ug/L	0 (≤30)	-	-
	Total dissolved solids	6600 mg/L	6700 mg/L	2 (≤30)	-	-
	pH	7.33 SU	7.33 SU	0 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		I-J 021617	I-J 021617-FD			
440-178775-1/N023128	Hexavalent chromium	3500 ug/L	3500 ug/L	0 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		ART-9-032017	ART-9-032017-FD			
440-180060-1	Chlorate	410000 ug/L	370000 ug/L	10 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		ART-9-032017	ART-9-032017-FD			
440-180060-1	Nitrate as N	27 mg/L	20 mg/L	30 (≤30)	-	-
	Perchlorate	250 mg/L	240 mg/L	4 (≤30)	-	-
	Total dissolved solids	6000 mg/L	6100 mg/L	2 (≤30)	-	-
	pH	7.33 SU	7.42 SU	1 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		PC-99R2/R3-032017	PC-99R2/R3-032017-FD			
440-180060-1	Chlorate	15000 ug/L	16000 ug/L	6 (≤30)	-	-
	Nitrate as N	5.0 mg/L	4.9 mg/L	13 (≤30)	-	-
	Perchlorate	11 mg/L	11 mg/L	0 (≤30)	-	-
	Total dissolved solids	3400 mg/L	3400 mg/L	0 (≤30)	-	-
	pH	7.27 SU	7.23 SU	1 (≤30)	-	-

SDG	Analyte	Concentration (mg/L)		RPD (Limits)	Flag	A or P
		ART-9-032017	ART-9-032017-FD			
440-180061-1	Hexavalent chromium	0.66	0.66	0 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		I-X 032217	I-X 032217FD			
440-180294-1	Chlorate	2000000 ug/L	2000000 ug/L	0 (≤30)	-	-
	Nitrate as N	170 mg/L	170 mg/L	0 (≤30)	-	-
	Perchlorate	910 mg/L	930 mg/L	2 (≤30)	-	-
	Total dissolved solids	9300 mg/L	9300 mg/L	0 (≤30)	-	-
	pH	7.06 SU	7.01 SU	1 (≤30)	-	-

SDG	Analyte	Concentration (mg/L)		RPD (Limits)	Flag	A or P
		I-X 032217	I-X 032217FD			
440-181522-1/N023560	Hexavalent chromium	7.2	7.2	0 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		I-I 040517	I-I 040517 FD			
440-181479-1	Chlorate	2400000 ug/L	2600000 ug/L	8 (≤30)	-	-
	Nitrate as N	22 mg/L	22 mg/L	0 (≤30)	-	-
	Perchlorate	840 mg/L	780 mg/L	7 (≤30)	-	-
	Total dissolved solids	8600 mg/L	8600 mg/L	0 (≤30)	-	-
	pH	7.34 SU	7.34 SU	0 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		PC-119 041217	PC-119 041217-FD			
440-182006-1	Chlorate	390 ug/L	380 ug/L	3 (≤30)	-	-
	Nitrate as N	0.48 mg/L	0.47 mg/L	2 (≤30)	-	-
	Perchlorate	2.0 mg/L	2.0 mg/L	0 (≤30)	-	-
	Total dissolved solids	2100 mg/L	2100 mg/L	0 (≤30)	-	-
	pH	7.43 SU	7.35 SU	1 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		ART-8A 041317	ART-8A 041317-FD			
440-182125-1	Chlorate	82000 ug/L	83000 ug/L	1 (≤30)	-	-
	Nitrate as N	7.1 mg/L	8.7 mg/L	2 (≤30)	-	-
	Perchlorate	79 mg/L	70 mg/L	12 (≤30)	-	-
	Total dissolved solids	9400 mg/L	9500 mg/L	1 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		ART-8A 041317	ART-8A 041317-FD			
440-182125-1	pH	7.24 SU	7.20 SU	1 (≤30)	-	-

SDG	Analyte	Concentration (mg/L)		RPD (Limits)	Flag	A or P
		I-I-040517	I-I-040517-FD			
440-183052-1	Hexavalent chromium	12	12	0 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		PC-96-20170503	PC-96-20170503-FD15			
440-183598-1	Chlorate	220 ug/L	210 ug/L	5 (≤30)	-	-
	Perchlorate	1900 ug/L	2000 ug/L	5 (≤30)	-	-
	Nitrate as N	1.1 mg/L	1.0 mg/L	10 (≤30)	-	-
	Total dissolved solids	2300 mg/L	2200 mg/L	4 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		DBMW-4-20170503	DBMW-4-20170503-FD6			
440-183605-1	Chlorate	74000 ug/L	77000 ug/L	4 (≤30)	-	-
	Perchlorate	5600 ug/L	5900 ug/L	5 (≤30)	-	-
	Nitrate as N	17 mg/L	18 mg/L	6 (≤30)	-	-
	Total dissolved solids	5800 mg/L	5900 mg/L	2 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		I-H-05417	I-H-05417FD			
440-183687-1	Chlorate	3300000 ug/L	3300000 ug/L	0 (≤30)	-	-
	Perchlorate	1200 mg/L	1300 mg/L	8 (≤30)	-	-
	Nitrate as N	73 mg/L	73 mg/L	0 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		I-H-05417	I-H-05417FD			
440-183687-1	Total dissolved solids	11000 mg/L	12000 mg/L	9 (≤30)	-	-
	pH	7.14 SU	7.06 SU	1 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		HM-2-20170504	HM-2-20170504-FD5			
440-183697-1	Chlorate	34000 ug/L	36000 ug/L	6 (≤30)	-	-
	Perchlorate	6100 ug/L	6100 ug/L	0 (≤30)	-	-
	Nitrate as N	18 mg/L	17 mg/L	6 (≤30)	-	-
	Total dissolved solids	5900 mg/L	5900 mg/L	0 (≤30)	-	-

SDG	Analyte	Concentration (mg/L)		RPD (Limits)	Flag	A or P
		I-H-050417	I-H-050417-FD			
440-183719-1/N024093	Hexavalent chromium	17	17	0 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		PC-124-20170505	PC-124-20170505-FD8			
440-183808-1	Chlorate	15000 ug/L	15000 ug/L	0 (≤30)	-	-
	Perchlorate	6600 ug/L	6700 ug/L	1 (≤30)	-	-
	Nitrate as N	22 mg/L	22 mg/L	0 (≤30)	-	-
	Total dissolved solids	8400 mg/L	8300 mg/L	1 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		PC-126-20170505	PC-126-20170505-FD7			
440-183809-1	Chlorate	250000 ug/L	250000 ug/L	0 (≤30)	-	-
	Perchlorate	28000 ug/L	26000 ug/L	7 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		PC-126-20170505	PC-126-20170505-FD7			
440-183809-1	Nitrate as N	32 mg/L	31 mg/L	3 (≤30)	-	-
	Total dissolved solids	9500 mg/L	9400 mg/L	1 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		MW-16-20170509	MW-16-20170509-FD11			
440-184025-1	Perchlorate	1300 ug/L	1500 ug/L	14 (≤30)	-	-
	Nitrate as N	1.6 mg/L	2.7 mg/L	51 (≤30)	NQ	-
	Total dissolved solids	12000 mg/L	12000 mg/L	0 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		M-79-20170509	M-79-20170509-FD9			
440-184027-1	Chlorate	26000 ug/L	27000 ug/L	4 (≤30)	-	-
	Perchlorate	270000 ug/L	270000 ug/L	0 (≤30)	-	-
	Nitrate as N	39 mg/L	38 mg/L	3 (≤30)	-	-
	Total dissolved solids	3500 mg/L	3400 mg/L	3 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		M-135-20170510	M-135-20170510-FD10			
440-184136-1	Chlorate	18000 ug/L	18000 ug/L	0 (≤30)	-	-
	Perchlorate	29000 ug/L	29000 ug/L	0 (≤30)	-	-
	Nitrate as N	10 mg/L	9.8 mg/L	2 (≤30)	-	-
	Total dissolved solids	3500 mg/L	3400 mg/L	3 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		ART-2-051017	ART-2-051017-FD			
440-184139-1	Chlorate	13000 ug/L	13000 ug/L	0 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		ART-2-051017	ART-2-051017-FD			
440-184139-1	Perchlorate	14 mg/L	13 mg/L	7 (≤30)	-	-
	Nitrate as N	2.8U mg/L	2.1 mg/L	29 (≤30)	-	-
	Total dissolved solids	9700 mg/L	9700 mg/L	0 (≤30)	-	-
	pH	7.20 SU	7.16 SU	1 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		TR-6-20170511	TR-6-20170511-FD12			
440-184295-1	Chlorate	18000	19000	5 (≤30)	-	-
	Perchlorate	350	350	0 (≤30)	-	-
	Nitrate as N	6.7	6.4	5 (≤30)	-	-
	Total dissolved solids	25000	25000	0 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		M-80-20170511	M-80-20170511-FD4			
440-184297-1	Hexavalent chromium	2700 ug/L	2900 ug/L	7 (≤30)	-	-
	Chlorate	1100000 ug/L	1100000 ug/L	0 (≤30)	-	-
	Perchlorate	500000 ug/L	560000 ug/L	11 (≤30)	-	-
	Nitrate as N	57 mg/L	57 mg/L	0 (≤30)	-	-
	Total dissolved solids	5500 mg/L	5600 mg/L	2 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		M-83-20170511	M-83-20170511-FD14			
440-184299-1	Chlorate	420000 ug/L	420000 ug/L	0 (≤30)	-	-
	Perchlorate	820000 ug/L	880000 ug/L	7 (≤30)	-	-
	Nitrate as N	90 mg/L	75 mg/L	18 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		M-83-20170511	M-83-20170511-FD14			
440-184299-1	Total dissolved solids	6100 mg/L	6000 mg/L	2 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		PC-116R-051117	PC-116R-051117-FD			
440-184301-1	Chlorate	20000 ug/L	21000 ug/L	5 (≤30)	-	-
	Perchlorate	14 mg/L	13 mg/L	7 (≤30)	-	-
	Nitrate as N	7.0 mg/L	7.1 mg/L	1 (≤30)	-	-
	Total dissolved solids	4000 mg/L	3900 mg/L	3 (≤30)	-	-
	pH	7.29 SU	7.24 SU	1 (≤30)	-	-

SDG	Analyte	Concentration (mg/L)		RPD (Limits)	Flag	A or P
		PC-116R-051117	PC-116R-051117-FD			
440-184306-1/N024189	Hexavalent chromium	0.0016	0.0015	6 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		M-13-20170512	M-13-20170512-FD13			
440-184395-1	Chlorate	150000 ug/L	150000 ug/L	0 (≤30)	-	-
	Perchlorate	17000 ug/L	17000 ug/L	0 (≤30)	-	-
	Nitrate as N	3.6 mg/L	3.5 mg/L	3 (≤30)	-	-
	Total dissolved solids	3200 mg/L	3200 mg/L	0 (≤30)	-	-

SDG	Analyte	Concentration (mg/L)		RPD (Limits)	Flag	A or P
		ART-2-051017	ART-2-051017-FD			
440-184647-1/N024167	Hexavalent chromium	0.0028	0.0027	4 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		PC-121 06/13/17	PC-121 06/13/17-FD			
440-186399-1	pH	7.26 SU	7.27 SU	0 (≤30)	-	-
	Nitrate as N	0.12 mg/L	0.12 mg/L	0 (≤30)	-	-
	Total dissolved solids	1700 mg/L	1700 mg/L	0 (≤30)	-	-
	Perchlorate	0.19 mg/L	0.19 mg/L	0 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		PC-150-061517	PC-150-061517-FD			
440-186631-1	Nitrate as N	11 mg/L	11 mg/L	0 (≤30)	-	-
	Chlorate	150000 ug/L	150000 ug/L	0 (≤30)	-	-
	Perchlorate	140 ug/L	150 ug/L	7 (≤30)	-	-
	Total dissolved solids	5500 mg/L	5600 mg/L	2 (≤30)	-	-
	pH	7.38 SU	7.47 SU	1 (≤30)	-	-

SDG	Analyte	Concentration (mg/L)		RPD (Limits)	Flag	A or P
		PC-150-061517	PC-150-061517-FD			
440-186633-1/N024606	Hexavalent chromium	0.14	0.15	7 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		I-F 062017	I-F 062017-FD			
440-186926-1	Nitrate as N	74 mg/L	76 mg/L	3 (≤30)	-	-
	Chlorate	2700000 ug/L	2700000 ug/L	0 (≤30)	-	-
	Perchlorate	700 ug/L	800 ug/L	13 (≤30)	-	-
	Total dissolved solids	8600 mg/L	8500 mg/L	1 (≤30)	-	-
	pH	7.31 SU	7.23 SU	1 (≤30)	-	-

SDG	Analyte	Concentration (mg/L)		RPD (Limits)	Flag	A or P
		I-F-062017	I-F-062017-FD			
440-186931-1/N024656	Hexavalent chromium	11	11	0 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		LVW 6.6-20170628-1	LVW 6.6-20170628-FD			
440-187579-1	Chlorate	120 ug/L	120 ug/L	0 (≤30)	-	-
	Perchlorate	13 ug/L	500 ug/L	190 (≤30)	J (all detects)	A
	Total dissolved solids	1500 mg/L	1500 mg/L	0 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		#8-9 3Kids Weir-20170629	#8-9 3Kids Weir-20170629-FD			
440-187579-1	Chlorate	260 ug/L	240 ug/L	8 (≤30)	-	-
	Perchlorate	37 ug/L	37 ug/L	0 (≤30)	-	-
	Total dissolved solids	1400 mg/L	1400 mg/L	0 (≤30)	-	-

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

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.

Due to technical holding time, data were rejected in one sample.

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	Sample	Analyte	Flag	A or P
440-173604-1	PC-121 011617DL	Nitrate as N	DNR	-

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

Due to field 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. Sample results that were found to be rejected (R) are unusable for all purposes. Based upon the data validation all other results are considered valid and usable for all purposes.

Annual Remedial Performance Sampling January through June 2017 and Artesian Well Sampling August 2017
Wet Chemistry - Data Qualification Summary - SDGs 440-173604-1, 440-173724-1, 440-173842-1, 440-174518-1/N022711, 440-175133-1/N022664, 440-175346-1/N022680, 440-175903-1, 440-175904-1, 440-176090-1, 440-176092-1, 440-176093-1, 440-177034-1, 440-177176-1, 440-178468-1/N023119, 440-178775-1/N023128, 440-178218-1, 440-179375-1/N023236, 440-180060-1, 440-180061-1, 440-180167-1, 440-180179-1/N023541, 440-180294-1, 440-180438-1, 440-181519-1/N023570, 440-181522-1/N023560, 440-181479-1, 440-181553-1, 440-181868-1, 440-182006-1, 440-182094-1/N023814, 440-182125-1, 440-183052-1, 440-183054-1, 440-183055-1, 440-183057-1, 440-183517-1, 440-183520-1, 440-183527-1, 440-183570-1, 440-183593-1, 440-183598-1, 440-183605-1, 440-183608-1, 440-183612-1, 440-183687-1, 440-183695-1, 440-183697-1, 440-183698-1, 440-183699-1, 440-183700-1, 440-183701-1, 440-183719-1/N024093, 440-183798-1, 440-183801-1, 440-183803-1, 440-183807-1, 440-183808-1, 440-183809-1, 440-183891-1, 440-183892-1, 440-183893-1, 440-183894-1, 440-183895-1, 440-184025-1, 440-184027-1, 440-184029-1, 440-184031-1, 440-184033-1, 440-184090-1/N024085, 440-184132-1, 440-184133-1, 440-184134-1, 440-184135-1, 440-184136-1, 440-184137-1, 440-184139-1, 440-184143-1, 440-184295-1, 440-184296-1, 440-184297-1, 440-184298-1, 440-184299-1, 440-184300-1, 440-184301-1, 440-184306-1/N024189, 440-184392-1, 440-184394-1, 440-184395-1, 440-184396-1, 440-184397-1, 440-184461-1, 440-184462-1, 440-184647-1/N024167, 440-184859-1, 440-185853-1/N024141, 440-186396-1/N024579, 440-186399-1, 440-186484-1/N024585, 440-186498-1, 440-186631-1, 440-186633-1/N024606, 440-186727-1, 440-186812-1, 440-186814-1/N024639, 440-186926-1, 440-186931-1/N024656, 440-187344-1, 440-187579-1, 440-190407-1, 440-191342-1

SDG	Sample	Analyte	Flag	A or P	Reason (Code)
440-176093-1	M-10-20170208-EB4	Hexavalent chromium	R (all non-detects)	P	Technical holding times (h)
440-180060-1	ART-1A-032017 ART-2A-032017 ART-3A-032017 ART-4-032017 ART-6-032017 ART-7A-032017 ART-8A-032017 ART-9-032017	Nitrate as N	J- (all detects) UJ (all non-detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-181479-1	I-AD 040517 I-AC 040517 I-K 040517 I-J 040517 I-Z 040517 I-I 040517 I-V 040517 I-I 040517 FD	Nitrate as N	J+ (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)

SDG	Sample	Analyte	Flag	A or P	Reason (Code)
440-182006-1	PC-99R2/R3 041217 PC-115R 041217 PC-116R 041217 PC-117 041217 PC-118 041217 PC-119 041217 PC-119 041217-FD	Chlorate	J- (all detects) UJ (all non-detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-183605-1	DBMW-4-20170503 DBMW-4-20170503-FD6 PC-58-20170503 PC-77-20170503	Nitrate as N	J+ (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-183687-1	I-F-05417 I-X-05417	Nitrate as N	J- (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-183798-1	PC-132-20170505	Perchlorate	UJ (all non-detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-184025-1	MW-16-20170509 MW-16-20170509-FD11 M-25-20170509 M-37-20170509	Nitrate as N	J+ (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-184133-1	M-7B-20170510 M-6A-20170510 H-28A-20170510 M-5A-20170510	Total recoverable phenolics	J- (all detects) UJ (all non-detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-184301-1	PC-118-051117	Perchlorate	J- (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-184392-1	M-33-20170512	Nitrate as N	J+ (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-184392-1	M-141-20170512 M-77-20170512 M-33-20170512	Perchlorate	J- (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-184394-1	M-186-20170512 TR-8-20170512	Nitrate as N	J+ (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-184394-1	M-75-20170512 M-186-20170512 M-186D-20170512 M-181-20170512 M-151-20170512 TR-8-20170512	Perchlorate	J- (all detects) UJ (all non-detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-184395-1	M-149-20170512	Nitrate as N	J+ (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)

SDG	Sample	Analyte	Flag	A or P	Reason (Code)
440-184395-1	M-13-20170512 M-13-20170512-FD13 M-148A-20170512 M-149-20170512 M-153-20170512	Perchlorate	J- (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-184396-1	M-193-20170512 TR-10-20170512 TR-7-20170512	Nitrate as N	J+ (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-184396-1	M-123-20170512	Perchlorate	J- (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-184397-1	M-190-20170512	Nitrate as N	J+ (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-184133-1	M-7B-20170510 M-6A-20170510 H-28A-20170510 M-5A-20170510	Total recoverable phenolics	J (all detects) UJ (all non-detects)	A	Matrix spike/Matrix spike duplicate (RPD) (ld)
440-184392-1	M-33-20170512	Nitrate as N	J (all detects)	A	Matrix spike/Matrix spike duplicate (RPD) (ld)
440-184394-1	M-186-20170512 TR-8-20170512	Nitrate as N	J (all detects)	A	Matrix spike/Matrix spike duplicate (RPD) (ld)
440-184395-1	M-149-20170512	Nitrate as N	J (all detects)	A	Matrix spike/Matrix spike duplicate (RPD) (ld)
440-184396-1	M-193-20170512 TR-10-20170512 TR-7-20170512	Nitrate as N	J (all detects)	A	Matrix spike/Matrix spike duplicate (RPD) (ld)
440-184397-1	M-190-20170512	Nitrate as N	J (all detects)	A	Matrix spike/Matrix spike duplicate (RPD) (ld)
440-187579-1	LVW 6.6-20170628-1 LVW 6.6-20170628-FD	Perchlorate	J (all detects)	A	Field duplicates (RPD) (fd)
440-173604-1	PC-121 011617DL	Nitrate as N	DNR	-	Overall assessment of data (o)

Annual Remedial Performance Sampling January through June 2017 and Artesian Well Sampling August 2017

Wet Chemistry - Laboratory Blank Data Qualification Summary - SDGs 440-173604-1, 440-173724-1, 440-173842-1, 440-174518-1/N022711, 440-175133-1/N022664, 440-175346-1/N022680, 440-175903-1, 440-175904-1, 440-176090-1, 440-176092-1, 440-176093-1, 440-177034-1, 440-177176-1, 440-178468-1/N023119, 440-178775-1/N023128, 440-178218-1, 440-179375-1/N023236, 440-180060-1, 440-180061-1, 440-180167-1, 440-180179-1/N023541, 440-180294-1, 440-180438-1, 440-181519-1/N023570, 440-181522-1/N023560, 440-181479-1, 440-181553-1, 440-181868-1, 440-182006-1, 440-182094-1/N023814, 440-182125-1, 440-183052-1, 440-183054-1, 440-183055-1, 440-183057-1, 440-183517-1, 440-183520-1, 440-183527-1, 440-183570-1, 440-183593-1, 440-183598-1, 440-183605-1, 440-183608-1, 440-183612-1, 440-183687-1, 440-183695-1, 440-183697-1, 440-183698-1, 440-183699-1, 440-183700-1, 440-183701-1, 440-183719-1/N024093, 440-183798-1, 440-183801-1, 440-183803-1, 440-183807-1, 440-183808-1, 440-183809-1, 440-183891-1, 440-183892-1, 440-183893-1, 440-183894-1, 440-183895-1, 440-184025-1, 440-184027-1, 440-184029-1, 440-184031-1, 440-184033-1, 440-184090-1/N024085, 440-184132-1, 440-184133-1, 440-184134-1, 440-184135-1, 440-184136-1, 440-184137-1, 440-184139-1, 440-184143-1, 440-184295-1, 440-184296-1, 440-184297-1, 440-184298-1, 440-184299-1, 440-184300-1, 440-184301-1, 440-184306-1/N024189, 440-184392-1, 440-184394-1, 440-184395-1, 440-184396-1, 440-184397-1, 440-184461-1, 440-184462-1, 440-184647-1/N024167, 440-184859-1, 440-185853-1/N024141, 440-186396-1/N024579, 440-186399-1, 440-186484-1/N024585, 440-186498-1, 440-186631-1, 440-186633-1/N024606, 440-186727-1, 440-186812-1, 440-186814-1/N024639, 440-186926-1, 440-186931-1/N024656, 440-187344-1, 440-187579-1, 440-190407-1, 440-191342-1

No Sample Data Qualified in these SDGs

Annual Remedial Performance Sampling January through June 2017 and Artesian Well Sampling August 2017

Wet Chemistry - Field Blank Data Qualification Summary - SDGs 440-173604-1, 440-173724-1, 440-173842-1, 440-174518-1/N022711, 440-175133-1/N022664, 440-175346-1/N022680, 440-175903-1, 440-175904-1, 440-176090-1, 440-176092-1, 440-176093-1, 440-177034-1, 440-177176-1, 440-178468-1/N023119, 440-178775-1/N023128, 440-178218-1, 440-179375-1/N023236, 440-180060-1, 440-180061-1, 440-180167-1, 440-180179-1/N023541, 440-180294-1, 440-180438-1, 440-181519-1/N023570, 440-181522-1/N023560, 440-181479-1, 440-181553-1, 440-181868-1, 440-182006-1, 440-182094-1/N023814, 440-182125-1, 440-183052-1, 440-183054-1, 440-183055-1, 440-183057-1, 440-183517-1, 440-183520-1, 440-183527-1, 440-183570-1, 440-183593-1, 440-183598-1, 440-183605-1, 440-183608-1, 440-183612-1, 440-183687-1, 440-183695-1, 440-183697-1, 440-183698-1, 440-183699-1, 440-183700-1, 440-183701-1, 440-183719-1/N024093, 440-183798-1, 440-183801-1, 440-183803-1, 440-183807-1, 440-183808-1, 440-183809-1, 440-183891-1, 440-183892-1, 440-183893-1, 440-183894-1, 440-183895-1, 440-184025-1, 440-184027-1, 440-184029-1, 440-184031-1, 440-184033-1, 440-184090-1/N024085, 440-184132-1, 440-184133-1, 440-184134-1, 440-184135-1, 440-184136-1, 440-184137-1, 440-184139-1, 440-184143-1, 440-184295-1, 440-184296-1, 440-184297-1, 440-184298-1, 440-184299-1, 440-184300-1, 440-184301-1, 440-184306-1/N024189, 440-184392-1, 440-184394-1, 440-184395-1, 440-184396-1, 440-184397-1, 440-184461-1, 440-184462-1, 440-184647-1/N024167, 440-184859-1, 440-185853-1/N024141, 440-186396-1/N024579, 440-186399-1, 440-186484-1/N024585, 440-186498-1, 440-186631-1, 440-186633-1/N024606, 440-186727-1, 440-186812-1, 440-186814-1/N024639, 440-186926-1, 440-186931-1/N024656, 440-187344-1, 440-187579-1, 440-190407-1, 440-191342-1

SDG	Sample	Analyte	Modified Final Concentration	Code
440-183057-1	ART-8A-20170413	Hexavalent chromium	0.084J mg/L	bf