

**Data Validation Summary Report, Revision 1  
Soil and Groundwater Remedial Investigation Sampling Phase 2  
July through November 2017  
Nevada Environmental Response Trust (NERT)  
Henderson, Nevada**

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May 29, 2019

Phase 2 Remedial Investigation DVSR and EDD  
July through November 2017, Revision 1  
Nevada Environmental Response Trust Site  
Henderson, Nevada

**Phase 2 Remedial Investigation DVSR and EDD  
July through November 2017,  
Revision 1**

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

**Nevada Environmental Response Trust (NERT) Representative Certification**

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**Date:** 5/30/19

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**Responsible Certified Environmental Manager (CEM) for this project**

I hereby certify that I am responsible for the services described in this document and for the preparation of this document. The services described in this document have been provided in a manner consistent with the current standards of the profession and, to the best of my knowledge, comply with all applicable federal, state and local statutes, regulations and ordinances.



**John M. Pekala, PG**  
**Principal**

May 30, 2019

**Date**

Certified Environmental Manager  
Ramboll US Corporation  
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CEM Expiration Date: September 20, 2020

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## LIST OF ACRONYMS AND ABBREVIATIONS

CCB	Continuing Calibration Blank
CCV	Continuing Calibration Verification
DL	Detection Limit
DNR	Do Not Report
DOC	Dissolved Organic Carbon
DQO	Data Quality Objectives
DUP	Laboratory Duplicate
DVR	Data Validation Report
DVSR	Data Validation Summary Report
EB	Equipment Blank
EMPC	Estimated Maximum Possible Concentration
FB	Field Blank
FD	Field Duplicate
GRO	Gasoline Range Organics
ICB	Initial Calibration Blank
ICV	Initial Calibration Verification
LCS/LCSD	Laboratory Control Sample / Laboratory Control Sample Duplicate
LDC	Laboratory Data Consultants, Inc.
MDC	Minimum Detectable Concentration
MDL	Method Detection Limit
MS/MSD	Matrix Spike / Matrix Spike Duplicate
NDEP	Nevada Department of Environmental Protection
NERT	Nevada Environmental Response Trust
NFG	National Functional Guidelines
PAH	Polynuclear Aromatic Hydrocarbons
PARCCS	Precision, Accuracy, Representativeness, Comparability, Completeness, Sensitivity
PCDD/PCDF	Polychlorinated Dioxin and Dibenzofuran
PQL	Practical Quantitation Limit
QA/QC	Quality Assurance / Quality Control
QAPP	Quality Assurance Project Plan
RER	Relative Error Ratio
RPD	Relative Percent Difference
SDG	Sample Delivery Group
SIM	Selected Ion Monitoring
SQL	Sample Quantitation Limit
SVOC	Semivolatile Organic Compound
TB	Trip Blank
TDS	Total Dissolved Solids
TEQ	Toxic Equivalency Quantity
USEPA	United States Environmental Protection Agency
VOC	Volatile Organic Compound
ug/L	Micrograms per Liter
mg/Kg	Milligrams per Kilogram
mg/L	Milligrams per Liter
pCi/G	Picocuries per Gram
pCi/L	Picocuries per Liter
pg/g	Picogram per Gram
pg/L	Picogram 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 associated with the Phase 2 Remedial Investigation sampling efforts completed from July through November 2017, conducted at the Nevada Environmental Response Trust (NERT) site in Henderson, Nevada. The assessment was performed by Ramboll as a part of the *Quality Assurance Project Plan, Revision 2, Nevada Environmental Response Trust Site, Henderson, Nevada* dated October 2017 and included the collection and analyses of 626 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 and 1,4-Dioxane by EPA SW-846 Method 8260B in Selected Ion Monitoring (SIM) mode

Semivolatile Organic Compounds (SVOCs) by EPA SW-846 Method 8270C

Polynuclear Aromatic Hydrocarbons (PAH) by EPA SW-846 Method 8270C in SIM mode

Chlorinated Pesticides by EPA SW-846 Method 8081A

Aroclor-1260 by EPA SW-846 Method 8082

Gasoline Range Organics (GRO) by EPA SW-846 Method 8015B

Polychlorinated Dioxin and Dibenzofuran (PCDD/PCDF) by EPA SW-846 Method 8290

Total PCDD/PCDF Toxic Equivalency Quantity (TEQ) by EPA SW-846 Method 8290 Calculation

Metals by EPA Methods 2007/200.8 and EPA SW-846 Methods 6010B/6020A/7471A

Wet Chemistry:

Hexavalent Chromium (Cr VI) by EPA Method 218.6 and EPA SW-846 Method 7199

Bromide, Chloride, Nitrate as Nitrogen, Nitrate as NO<sub>3</sub>, Nitrite as Nitrogen, Orthophosphate as Phosphorus, and Sulfate (Anions) by EPA Method 300.0

Nitrate/Nitrite as Nitrogen by Calculation Method

Chlorate by EPA Method 300.1B

Perchlorate by EPA Method 314.0

Total Phosphorus by EPA Method 365.3

Alkalinity by Standard Method 2320B

Specific Conductance by Standard Method 2510B

Total Dissolved Solids by Standard Method 2540C

Cyanide by Standard Method 4500-CN-E

Dissolved Organic Carbon (DOC) by Standard Method 5310B

Sulfide by EPA SW-846 Method 9034

pH by EPA SW-846 Method 9040C

Radium-226 by EPA Method 903.0

Radium-228 by EPA Method 904.0

Isotopic Thorium by Method A-01-R

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

The laboratory analytical data were validated in accordance with procedures described in the Nevada Division of Environmental Protection (NDEP) *Data Validation Guidance* established for the BMI Plant Sites and Common Areas Projects, Henderson, Nevada, July 13, 2018. Consistent with the NDEP requirements, one hundred percent of the water analytical data were validated according to Stage 2A and approximately ninety percent of the soil analytical data were validated according to Stage 2B data validation procedures and approximately ten percent of the soil samples were validated according to Stage 4 data validation procedures. 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 2, Nevada Environmental Response Trust Site, Henderson, Nevada* dated October 2017; *Multi Agency Radiological Laboratory Analytical Protocols (MARLAP) Manual*, July 2014; a modified outline of the *USEPA National Functional Guidelines (NFGs) for Organic Superfund Methods Data Review* (January 2017), *for Inorganic Superfund Data Review* (January 2017), and *for High Resolution Superfund Method Data Review* (April 2016); 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.

MARLAP Chapter 8 was used as a general guidance document for evaluating quality control samples associated with radiochemical data analyses. However, consistent with the validation methods used for prior radiological data collected from the NERT Site and commonly used in the environmental field for radiological data, the criteria used for calculating field duplicate RPDs and assessing method blank contamination for radiological data are the same criteria established for inorganic methods. This is consistent with the objectives for precision and representativeness established in the NERT Site QAPP and allows for comparison between methods, across data sets, and with historical data.

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 15.0 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,

method blanks, laboratory control samples/laboratory control sample duplicates (LCS/LCSDs), sample reference material (SRM), 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 (October 2017), NFGs (USEPA 2017, 2016), 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 allow data users to assess if a result is usable with qualification due to QA/QC outliers or not usable when rejected

due to QA/QC outliers. Reason codes are cumulative except when one of the flags is R then only the reason code associated to the R flag will be used.

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

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

**Precision** is a measure of the agreement or reproducibility of analytical results under a given set of conditions. It is a quantity that cannot be measured directly but is calculated from reported concentrations.

Precision is expressed as the relative percent difference (RPD):

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

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 method blanks, initial calibration blanks (ICB), and continuing calibration blanks (CCB), TBs, EBs and FBs.

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

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

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

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

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

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 method blank and field blank results to identify potential effects of laboratory background and field procedures on sensitivity.

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

## **2.0 VOLATILE ORGANIC COMPOUNDS**

A total of 218 soil and 369 water samples were analyzed for VOCs by EPA SW-846 Method 8260B. The target analyte list included 68 VOCs for soil samples and 61 VOCs for water samples. Twenty-four equipment blanks and trip blanks were reported with 69 VOCs (Freon-113 was added due to a laboratory oversight). All VOC data were assessed to be valid with the exception of 204 of the 37,525 total results which were rejected based on MS/MSD %R and cooler temperature exceedances. This section discusses the QA/QC supporting documentation as defined by the PARCCS criteria and evaluated based on the DQOs.

### **2.1 Precision and Accuracy**

#### **2.1.1 Instrument Calibration**

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

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

Two hundred twelve (212) results were qualified as estimated (J-) or non-detected estimated (UJ). The %Ds in the initial and continuing calibration verifications (CCV) were outside the acceptance criteria of 20 percent. The details regarding the qualification of results are provided in Attachment A.

#### **2.1.2 Surrogates**

No data were qualified due to surrogate %R exceedances since the associated sample results were not detected.

#### **2.1.3 MS/MSD Samples**

As a result of grossly exceeded MS/MSD %Rs (i.e., 0%), the styrene result in sample H-56A-20170822 was qualified as rejected (R). Additionally, 12 results were qualified as detected estimated (J-) or non-detected estimated (UJ) as a result of MS/MSD %Rs below the laboratory acceptance criteria. Negative bias was removed for 2 of 7 results since these results were also qualified as estimated (J) due to MS/MSD RPD above the laboratory acceptance criteria.

The benzene result in sample PCDB-10-80.0-20170813 and the chloroform result in sample M-199-20171012 were qualified as estimated (J) as a result of MS/MSD RPDs above the laboratory acceptance criteria. Bias cannot be determined.

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

#### **2.1.4 LCS/LCSD Samples**

No data were qualified due to LCS %R exceedances since the associated sample results were not detected.

All LCS/LCSD PRDs met the laboratory acceptance criteria for this analysis.

### **2.1.5 Internal Standards**

Forty (40) results in samples PCDB-7-50.0-20170729 and RI-14-110.0-20170727 were qualified as non-detected estimated (UJ) as a result of internal standard areas below the method acceptance criteria. The details regarding the qualification of results are provided in Attachment A.

All internal standard retention times met the method acceptance criteria.

### **2.1.6 FD Samples**

The chloroform results in field duplicate pairs PCDB-11-40.0-20170811 and PCDB-11-40.0-20170811-FD and the styrene results in field duplicate pairs PC-155A-20171019 and PC-155A-20171019-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 A.

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

### **2.1.7 Compound Quantitation and Target Identification**

Raw data were evaluated for 36 samples. All target identifications were acceptable and all reported sample results, detects and non-detects, were correctly calculated for these Stage 4 samples.

## **2.2 Representativeness**

### **2.2.1 Sample Preservation and Holding Times**

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

One chloroform result was qualified as estimated (J-) and 203 results were rejected (R) in samples RI-15-10.0-20170728, RI-15-20.0-20170728 and RI-15-5.0-20170728 as a result of an elevated cooler temperature (i.e., 20.3°C).

Additionally, 749 results were qualified as estimated (J-) or non-detected (UJ) as a result of headspace in sample containers.

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

### **2.2.2 Blanks**

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

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



Results Below the PQL - Using professional judgment, if a sample result for the blank contaminant was less than the PQL and the sample result was less than or equal to 2 times the blank value, the sample result was qualified as detected estimated (J) at the reported concentration.

Results Above the PQL - Using professional judgment, if a sample result for the blank contaminant was greater than the PQL and the sample result was less than or equal to 2 times the blank contaminant value, the sample result was qualified as detected estimated (J+) at the reported concentration.

No Action - Using professional judgment, if a sample result for the blank contaminant was greater than 2 times the blank value, the result was not qualified.

For this data set, two times the blank value was used to assess all contaminants for organic methods. This allows the data not to be censored and provides an understanding of the level of contamination relative to that found in the samples. To ensure comparability, this approach is employed for all data sets collected for the NERT site by Ramboll for the remedial investigation.

#### **2.2.2.1 Method Blanks**

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

#### **2.2.2.2 EBs and FBs**

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

#### **2.2.2.3 TBs**

As a result of contamination found in the trip blanks, seven (7) methylene chloride results were qualified as 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 99.5 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 1,2,3-TRICHLOROPROPANE AND 1,4-DIOXANE**

A total of 369 water samples were analyzed for 1,2,3-trichloropropane and 1,4-dioxane by EPA SW-846 Method 8260B-SIM. All 1,2,3-trichloropropane and 1,4-dioxane data were assessed to be valid since none of the 738 total results were rejected due to 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 Surrogates**

The 1,2,3-trichloropropane and 1,4-dioxane results in samples M-125D-20171020, M-243-20170908, M-243-20170908-FD, and M-243-20171027 were qualified as detected estimated (J-) or non-detected estimated (UJ) due to a surrogate %R below the laboratory acceptance criteria. The details regarding the qualification of results are provided in Attachment B.

##### **3.1.2 MS/MSD Samples**

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

##### **3.1.3 LCS/LCSD Samples**

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

##### **3.1.4 FD Samples**

All RPDs met the QAPP acceptance criteria in nine field duplicate pairs.

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

#### **3.2 Representativeness**

##### **3.2.1 Sample Preservation and Holding Times**

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

Twenty-two results (22) were qualified as estimated (J-) or non-detected (UJ) as a result of headspace in sample containers. The details regarding the qualification of results are presented in Attachment B.

##### **3.2.2 Blanks**

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

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

###### **3.2.2.1 Method Blanks**

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

### **3.2.2.2 EBs and FBs**

No contaminants were detected in the equipment for this analysis.

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

### **3.2.2.3 TBs**

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

## **3.3 Comparability**

The laboratory used standard analytical methods for all of the analyses. In all cases, the SQLs attained were at or below the PQLs. Target compounds detected below the PQLs flagged (J) by the laboratory should be considered estimated. The comparability of the 1,2,3-trichloropropane and 1,4-dioxane data is regarded as acceptable.

## **3.4 Completeness**

The completeness level attained for 1,2,3-trichloropropane and 1,4-dioxane field samples was 100 percent. This percentage was calculated as the total number of accepted sample results divided by the total number of sample results multiplied by 100.

## **3.5 Sensitivity**

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

## **4.0 SEMIVOLATILE ORGANIC COMPOUNDS**

A total of 10 soil samples were analyzed for SVOCs by EPA SW-846 Method 8270C. All SVOC data were assessed to be valid with the exception of one of the 630 total results which was rejected based on MS/MSD %R exceedances. This section discusses the QA/QC supporting documentation as defined by the PARCCS criteria and evaluated based on the DQOs.

### **4.1 Precision and Accuracy**

#### **4.1.1 Instrument Calibration**

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

Eight (8) results were qualified as non-detected estimated (UJ). The %Ds in continuing calibration verifications were outside the acceptance criteria of 20 percent.

No data were qualified due to initial calibration verification %D outside the acceptance criteria of 20 percent since the associated sample results were not detected.

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

#### **4.1.2 Surrogates**

All surrogate %Rs were within the laboratory acceptance criteria.

#### **4.1.3 MS/MSD Samples**

As a result of grossly exceeded MS/MSD %Rs (i.e., 0%), the benzidine result in sample RI-15-30.0-20170730 was qualified as rejected (R). Additionally, the di-n-octylphthalate and 3,4-methylphenol results in sample RI-15-30.0-20170730 were qualified as non-detected estimated (UJ) as a result of MS/MSD %Rs below the laboratory acceptance criteria.

No data were qualified due to MS/MSD RPDs above the laboratory acceptance criteria since the associated sample results were not detected.

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

#### **4.1.4 LCS Samples**

All LCS %Rs were within the laboratory acceptance criteria.

#### **4.1.5 Internal Standards**

All internal standard retention times met the method acceptance criteria.

#### **4.1.6 FD Samples**

Field duplicates were not collected for this analysis.

#### **4.1.7 Compound Quantitation and Target Identification**

Raw data were evaluated for three samples. All non-detect sample results were correctly reported for these Stage 4 samples.

### **4.2 Representativeness**

#### **4.2.1 Sample Preservation and Holding Times**

The evaluation of holding times to verify compliance with the method was conducted. All samples met the 14-day extraction for soil and 7-day extraction for water and 40-day analysis holding time criteria.

One hundred eighty-nine (189) results were qualified as non-detected estimated (UJ) in samples RI-15-10.0-20170728, RI-15-20.0-20170728 and RI-15-5.0-20170728 as a result of an elevated cooler temperature (i.e., 20.3°C). The details regarding the qualification of results are presented in Attachment C.

#### **4.2.2 Blanks**

Method blanks were analyzed to evaluate representativeness.

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

##### **4.2.2.1 Method Blanks**

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

### **4.3 Comparability**

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

### **4.4 Completeness**

The completeness level attained for SVOC field samples was 99.8 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 POLYNUCLEAR AROMATIC HYDROCARBONS**

A total of 10 soil samples were analyzed for PAHs by EPA SW-846 Method 8270C-SIM. All PAH data were assessed to be valid since none of the 160 total results were rejected due to holding time or QC exceedances. This section discusses the QA/QC supporting documentation as defined by the PARCC criteria and evaluated based on the DQOs.

### **5.1 Precision and Accuracy**

#### **5.1.1 Instrument Calibration**

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

#### **5.1.2 Surrogates**

All surrogate %Rs were within the laboratory acceptance criteria.

#### **5.1.3 MS/MSD Samples**

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

#### **5.1.4 LCS Samples**

All LCS %Rs were within the laboratory acceptance criteria.

#### **5.1.5 Internal Standards**

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

#### **5.1.6 FD Samples**

Field duplicates were not collected for this analysis.

### **5.1.7 Compound Quantitation and Target Identification**

Raw data were evaluated for three samples. All non-detect sample results were correctly reported for these Stage 4 samples.

## **5.2 Representativeness**

### **5.2.1 Holding Times**

The evaluation of holding times to verify compliance with the method was conducted. All samples met the 14-day extraction for soil, 7-day extraction for water, and 40-day analysis holding time criteria. Forty-eight results (48) were qualified as non-detected estimated (UJ) in samples RI-15-10.0-20170728, RI-15-20.0-20170728 and RI-15-5.0-20170728 as a result of an elevated cooler temperature (i.e., 20.3°C). The details regarding the qualification of results are presented in Attachment D.

### **5.2.2 Blanks**

Method blanks were analyzed to evaluate representativeness.

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

#### **5.2.2.1 Method Blanks**

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

## **5.3 Comparability**

The laboratory used standard analytical methods for all of the analyses. In all cases, the SQLs attained were below the PQLs. The comparability of the data is regarded as acceptable.

## **5.4 Completeness**

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

## **5.5 Sensitivity**

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

## **6.0 CHLORINATED PESTICIDES**

A total of 10 soil samples were analyzed for chlorinated pesticides by EPA SW-846 Method 8081A. All chlorinated pesticide data were assessed to be valid since none of the 220 total results were rejected due to 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.

## **6.1 Precision and Accuracy**

### **6.1.1 Instrument Calibration**

The %RSDs met the acceptance criteria of 20 percent or the coefficient of determination ( $r^2$ ) was  $\geq 0.990$  in the initial calibration. The %Ds in the initial and continuing calibration verifications met the acceptance criteria of 20 percent.

### **6.1.2 Surrogates/Internal Standards**

Forty four (44) results were qualified as non-detected estimated (UJ) in samples RI-14-20.0-20170726 and RI-15-10.0-20170728 due to surrogate %Rs below the laboratory acceptance criteria. The details regarding the qualification of results are provided in Attachment E.

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

### **6.1.3 MS/MSD Samples**

The alpha-chlordane result in sample RI-15-30.0-20170730 was qualified as non-detected estimated (UJ) due to an MS %R below the laboratory acceptance criteria. The details regarding the qualification of results are provided in Attachment E.

All MS/MSD RPDs met the laboratory acceptance criteria.

### **6.1.4 LCS/LCSD Samples**

All LCS %Rs were within the laboratory acceptance criteria.

### **6.1.5 FD Samples**

Field duplicates were not collected for this analysis.

### **6.1.6 Compound Quantitation and Target Identification**

Raw data were evaluated for three samples. All non-detect sample results were correctly reported for these Stage 4 samples.

## **6.2 Representativeness**

### **6.2.1 Sample Preservation and Holding Times**

The evaluation of holding times to verify compliance with the method was conducted.

Sixty-six (66) results were qualified as non-detected estimated (UJ) in samples RI-15-30.0-20170730, RI-6-20.0-20170724 and RI-6-30.0-20170724 as a result of exceeding the extraction holding time criteria of 14 days for soil samples.

Sixty-six (66) results were qualified as non-detected estimated (UJ) in samples RI-15-10.0-20170728, RI-15-20.0-20170728 and RI-15-5.0-20170728 as a result of an elevated cooler temperature (i.e., 20.3°C).

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

## **6.2.2 Blanks**

Method blanks and EBs were collected and analyzed to evaluate representativeness.

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

### **6.2.2.1 Method Blanks**

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

### **6.2.2.2 EBs**

No contaminants were detected in the equipment blank for this analysis.

## **6.3 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 chlorinated pesticide data is regarded as acceptable.

## **6.4 Completeness**

The completeness level attained for chlorinated pesticide 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.

## **6.5 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.

## **7.0 AROCLOR-1260**

A total of 10 soil and 129 water samples were analyzed for aroclor-1260 by EPA SW-846 Method 8082. All aroclor-1260 data were assessed to be valid since none of the 139 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.

### **7.1 Precision and Accuracy**

#### **7.1.1 Instrument Calibration**

The %RSDs met the acceptance criteria of 20 percent or the coefficient of determination ( $r^2$ ) was  $\geq 0.990$  in the initial calibration. The %Ds in the initial and continuing calibration verifications met the acceptance criteria of 20 percent.

#### **7.1.2 Surrogates/Internal Standards**

The aroclor-1260 result in sample M-186D-20171103-FB was qualified as non-detected estimated (UJ) due to a surrogate %R below the laboratory acceptance criteria. The details regarding the qualification of results are provided in Attachment F.



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

### **7.1.3 MS/MSD Samples**

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

### **7.1.4 LCS/LCSD Samples**

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

### **7.1.5 FD Samples**

Aroclor-1260 was not detected in the field duplicates.

### **7.1.6 Compound Quantitation and Target Identification**

Raw data were evaluated for three samples. All non-detect sample results were correctly reported for these Stage 4 samples.

## **7.2 Representativeness**

### **7.2.1 Sample Preservation and Holding Times**

The evaluation of holding times to verify compliance with the method was conducted. All water samples met the 7-day extraction and 40-day analysis holding time criteria.

The results for samples RI-6-20.0-20170724 and RI-6-30.0-20170724 which did not meet the 14-day extraction for soils were not qualified. There is no holding time for polychlorinated biphenyls (PCB) per EPA SW-846 update V, July 2014, Revision 5.

### **7.2.2 Blanks**

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

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

#### **7.2.2.1 Method Blanks**

No contaminants were detected in the method blanks.

#### **7.2.2.2 EBs and FBs**

No contaminants were detected in the equipment or field blanks.

## **7.3 Comparability**

The laboratory used standard analytical methods for all of the analyses. In all cases, the SQLs attained were at or below the PQLs. The comparability of the PCB data is regarded as acceptable.

## **7.4 Completeness**

The completeness level attained for aroclor-1260 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.

## **7.5 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.

## **8.0 GASOLINE RANGE ORGANICS**

A total of one soil sample was analyzed for GRO by EPA SW-846 Method 8015B. All GRO data were assessed to be valid since the one GRO result was not rejected due to 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.

### **8.1 Precision and Accuracy**

#### **8.1.1 Instrument Calibration**

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

#### **8.1.2 Surrogates**

All surrogate %Rs were within the QAPP acceptance criteria.

#### **8.1.3 MS/MSD Samples**

MS/MSD was not performed on sample RI-15-105.0-20170731-TB.

#### **8.1.4 LCS/LCSD Samples**

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

#### **8.1.5 FD Samples**

Field duplicates were not collected for this analysis.

#### **8.1.6 Compound Quantitation and Target Identification**

Raw data were evaluated for sample RI-15-105.0-20170731-TB. The non-detect result was correctly reported for this Stage 4 sample.

### **8.2 Representativeness**

#### **8.2.1 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 GRO.

## **8.2.2 Blanks**

Method blanks and TBs were analyzed to evaluate representativeness.

### **8.2.2.1 Method Blanks**

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

### **8.2.2.2 TBs**

No contaminant was detected in the trip blank.

## **8.3 Comparability**

The laboratory used standard analytical methods for all of the analyses. In all cases, the SQLs attained were at or below the PQLs. The comparability of the GRO data is regarded as acceptable.

## **8.4 Completeness**

The completeness level attained for GRO 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.

## **8.5 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.

## **9.0 POLYCHLORINATED DIOXINS AND DIBENZOFURANS**

A total of 10 soil and 24 water samples were analyzed for PCDD/PCDFs and Total TEQ calculated by EPA SW-846 Method 8290. All PCDD/PCDF data were assessed to be valid since none of the 884 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.

### **9.1 Precision and Accuracy**

#### **9.1.1 Instrument Calibration**

The %RSDs in the initial calibration and the %Ds in the initial and continuing calibration verifications met the acceptance criteria of 20 percent for unlabeled compounds and 30 percent for labeled compounds. The ion abundance ratios met the method acceptance criteria.

#### **9.1.2 MS/MSD Samples**

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

#### **9.1.3 LCS/LCSD Samples**

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

#### **9.1.4 Internal Standards**

The OCDD and OCDF results in sample RI-6-30.0-20170724 were qualified as detected estimated (J-) due to an internal standard %R below the method acceptance criteria. Negative bias was removed since these results were also qualified as detected estimated (J) due to method blank contamination and were identified as estimated maximum possible concentration (EMPC). The details regarding the qualification of results are provided in Attachment H.

#### **9.1.5 FD Samples**

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

#### **9.1.6 Compound Quantitation and Target Identification**

Raw data were evaluated for three samples. All target identifications were acceptable and all reported sample results, detects and non-detects, were correctly calculated for these Stage 4 samples.

As a result of compound quantitation non-conformances, 167 results reported by the laboratory as EMPC were qualified as estimated (J). The details regarding the qualification of results are provided in Attachment H.

### **9.2 Representativeness**

#### **9.2.1 Sample Preservation and Holding Times**

The evaluation of holding times to verify compliance with the method was conducted. All samples met the 30-day extraction and 45-day analysis holding time criteria. There is no holding time for PCDD/PCDFs per EPA SW-846 update V, July 2014, Revision 5.

The cooler temperature in SDGs 440-189223-2 and 440-189260-2 was reported at 20.3°C and one of two coolers in SDG 440-191775-2 was reported at 20.1°C upon receipt by the laboratory. Using professional judgment, no data were qualified due to these cooler temperature non-conformances. PCDD/PCDFs are known to be environmentally stable and are not expected to degrade significantly during transport or storage.

#### **9.2.2 Blanks**

Method blanks 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 PQL - If a sample result for the blank contaminant was less than or greater than the PQL and the sample result was less than or equal to 5 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 5 times the blank value, the result was not qualified.

### **9.2.2.1 Method Blanks**

As a result of contamination found in the method blanks, 190 results were qualified as detected estimated (J). The details regarding the qualification of results are provided in Attachment H.

### **9.3 Comparability**

The laboratory used standard analytical methods for all of the analyses. The laboratory reported non-detected results at the sample specific estimated detection limit (EDL). In all cases, the EDLs attained were below the PQLs. Target compounds detected below the PQLs flagged (J) by the laboratory should be considered estimated. The comparability of the PCDD/PCDF data is regarded as acceptable.

### **9.4 Completeness**

The completeness level attained for PCDD/PCDF 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.

### **9.5 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.

## **10.0 METALS**

A total of 266 water samples were analyzed for metals by EPA Method 200.7/200.8, a total of 176 soil samples and 11 water samples were analyzed for metals by EPA SW-846 Method 6010B, a total of 10 soil and 132 water samples were analyzed for metals by EPA SW-846 Method 6020A, and a total of 10 soil samples were analyzed for mercury by EPA SW-846 Method 7471A. All metal data were assessed to be valid since none the 5,632 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.

### **10.1 Precision and Accuracy**

#### **10.1.1 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  $\geq 0.995$ . The %Rs in the initial and continuing calibration verifications met the method acceptance criteria of 90-110 percent.

#### **10.1.2 MS/MSD Samples**

Thirty-five (35) results were qualified as detected estimated (J-) or non-detected estimated (UJ) due to MS/MSD %Rs below the laboratory acceptance criteria.

Fifty-nine (59) results were qualified as detected estimated (J+) due to MS/MSD %Rs above the laboratory acceptance criteria. Positive bias was removed for 4 of 59 results since these results were also qualified due to MS/MSD RPD above the laboratory acceptance criteria.

Seventy-eight (78) results were qualified as detected estimated (J) or non-detected estimated (UJ) as a result of MS/MSD RPDs above the laboratory acceptance criteria. Bias cannot be determined.

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

### **10.1.3 LCS/SRM Samples**

All LCS %Rs and standard reference material (SRM) met the laboratory acceptance criteria.

### **10.1.4 ICP Interference Check Sample**

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

### **10.1.5 ICP Serial Dilution**

Sixteen (16) results were qualified as detected estimated (J) as a result of ICP serial dilution %Ds outside method acceptance criteria.

### **10.1.6 Internal Standards**

All internal standard %Rs met the method acceptance criteria.

### **10.1.7 FD Samples**

Ten (10) results in four field duplicate pairs were qualified as detected estimated (J) due to RPDs above the QAPP acceptance criteria. The details regarding the qualification of results are provided in Attachment I.

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

### **10.1.8 Sample Result Verification**

Raw data were evaluated for 24 samples for metals by EPA SW-846 Method 6010B, three samples for metals by EPA SW-846 Method 6020A and three samples for mercury. All reported sample results, detects and non-detects were correctly calculated for these Stage 4 samples.

## **10.2 Representativeness**

### **10.2.1 Sample Preservation and Holding Times**

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

The chromium result for sample PC-40-20170821 was qualified as non-detected estimated (UJ). The sample was not filtered upon receipt.

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

### **10.2.2 Blanks**

Method 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 qualified 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.

#### **10.2.2.1 Method and Calibration Blanks**

As a result of contamination found in the method blanks, the sodium results in samples M-186D-20171103-FB and M-214-20171103-EB were qualified as detected estimated (J+). The details regarding the qualification of results are provided in Attachment I.

#### **10.2.2.2 EBs and FBs**

As a result of contamination found in the field blanks, the aluminum and iron results in sample M-236-20171107 were qualified as detected estimated (J+). The details regarding the qualification of results are provided in Attachment I.

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

### **10.3 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.

### **10.4 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.

## **10.5 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.

## **11.0 WET CHEMISTRY**

A total of 274 water samples were analyzed for hexavalent chromium by EPA Method 218.6 and 23 soil and two water samples were analyzed for hexavalent chromium by EPA SW-846 Method 7199. A total of 176 soil and 279 water samples were analyzed for anions by EPA Method 300.0, and chlorate by EPA Method 300.1B; 220 soil and 279 water samples were analyzed for perchlorate by EPA Method 314.0; 241 water samples were analyzed for total phosphorus by EPA Method 365.3, alkalinity by Standard Method 2320B, specific conductivity by Standard Method 2510B, DOC by Standard Method 5310B, sulfide by EPA SW-846 Method 9034 and pH by EPA SW-846 Method 9040C; 265 water samples were analyzed for TDS by Standard Method 2540C and four water samples were analyzed for cyanide by Standard Method 4500-CN-E. All wet chemistry data were assessed to be valid with the exception of 51 of the 5,972 total results which were rejected based on holding time exceedances or grossly exceeded MS/MSD %Rs. This section discusses the QA/QC supporting documentation as defined by the PARCCS criteria and evaluated based on the DQOs.

### **11.1 Precision and Accuracy**

#### **11.1.1 Instrument Calibration**

Instrument calibrations were evaluated for all wet chemistry methods. The correlation coefficients in the initial calibrations were within the acceptance criteria of  $\geq 0.995$ .

No data were qualified due to continuing calibration %D outside the acceptance criteria of 10% since the associated nitrite as nitrogen results were not detected.

#### **11.1.2 Surrogate**

Using professional judgment, no data were qualified due to surrogate %Rs outside the laboratory acceptance criteria when associated samples are analyzed at greater than or equal to 5X dilution.

#### **11.1.3 MS/MSD Samples**

As a result of grossly exceeded MS/MSD %Rs (e.g.,  $< 30\%$ ), 50 results were qualified as rejected (R). Additionally, 178 results were qualified as estimated (J-) or non-detected estimated (UJ) due to MS/MSD %Rs below the laboratory acceptance criteria. Negative bias was removed for two of 178 results since these results were also qualified as detected estimated (J) due to FD RPDs above the QAPP acceptance criteria.

Thirty-eight results were qualified as detected estimated (J+) due to MS/MSD %Rs above the laboratory acceptance criteria. Negative bias was removed for 6 of 38 results since these results were also qualified as detected estimated (J) due to MS/MSD RPDs above the laboratory acceptance criteria.

Ten results were qualified as detected estimated (J) or non-detected estimated (UJ) as a result of MS/MSD RPDs above the laboratory acceptance criteria. Bias cannot be determined.

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



#### **11.1.4 DUP Samples**

All DUP RPDs were within the QAPP acceptance criteria for these analyses.

#### **11.1.5 LCS/LCSD Samples**

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

#### **11.1.6 FD Samples**

Twelve (12) results in five field duplicate pairs were qualified as detected estimated (J) due to RPDs above the QAPP acceptance criteria. The details regarding the qualification of results are provided in Attachment J.

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

#### **11.1.7 Sample Result Verification**

Raw data were evaluated for seven samples for hexavalent chromium by EPA SW-846 Method 7199, 24 samples for chlorate, nitrate as nitrate, nitrite as nitrogen and nitrate-nitrite as nitrogen, and 31 samples for perchlorate. All reported sample results, detects and non-detects, were correctly calculated for these Stage 4 samples.

### **11.2 Representativeness**

#### **11.2.1 Sample Preservation and Holding Times**

The evaluation of holding times to verify compliance with all wet chemistry methods was conducted. All samples met the 7-day analysis holding time criteria for soil samples analyzed for nitrate as nitrate, nitrate as nitrogen, and water samples analyzed for sulfide, the 14-day analysis holding time criteria for alkalinity and cyanide, the 28-day analysis holding time criteria for bromide, chlorate, chloride, sulfate, perchlorate, total phosphorus, DOC, and specific conductance, and the 30-day analysis holding time criteria for soil samples analyzed for hexavalent chromium.

The hexavalent chromium result for sample M-246-20171027 was qualified as rejected (R) as a result of grossly exceeding the analysis holding time criteria of 24 hours for water samples. Using professional judgment, the hexavalent chromium result was qualified as rejected when the holding time criteria were exceeded by greater than two times.

In addition, five hexavalent chromium results were qualified as detected estimated (J-) as a result of exceeding the analysis holding time criteria of 24 hours; 12 anion results were qualified as detected estimated (J-) or non-detected estimated (UJ) as a result of exceeding the analysis holding time criteria of 48 hours for nitrate as nitrate, nitrite as nitrogen, nitrate-nitrite as nitrogen, and orthophosphate as phosphorus; and three TDS results were qualified as detected estimated (J-) as a result of exceeding the analysis holding time criteria of seven days.

Two hundred twelve (212) pH results were qualified as detected estimated (J) as a result of exceeding the analysis holding time criteria of 48 hours. Bias cannot be determined.

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

## **11.2.2 Blanks**

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

If contaminants were detected in a blank, corrective actions were made for the chemical analytical data during data validation based on the criteria presented in Section 10.2.2.

### **11.2.2.1 Method and Calibration Blanks**

No contaminants were detected in the method or calibration blanks.

### **11.2.2.2 EBs and FBs**

Eight results were qualified as detected estimated (J+) as a result of contaminants detected in the equipment and field blanks.

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

## **11.3 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.

## **11.4 Completeness**

The completeness level attained for wet chemistry field samples was 99.1 percent. This percentage was calculated as the total number of accepted sample results divided by the total number of sample results multiplied by 100.

## **11.5 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.

## **12.0 RADIUM-226 AND RADIUM-228**

A total of 10 soil samples were analyzed for radium-226 by EPA Method 903.0 and radium-228 by EPA Method 904.0. All radium-226 and radium-228 data were assessed to be valid since none of the 20 total results were rejected based on holding time and QC exceedances. This section discusses the QA/QC supporting documentation as defined by the PARCCS criteria and evaluated based on the DQOs.

## **12.1 Precision and Accuracy**

### **12.1.1 Instrument Calibration**

All instruments and detectors were calibrated as required. Detector efficiency was determined for each radionuclide of interest. Continuing calibration and background determination was performed at the required frequencies. Results met the method acceptance criteria.

### **12.1.2 Carrier**

Three radium-226 and three radium-228 results were qualified as detected estimated (J) as a result of carrier %R outside the method acceptance criteria. The details regarding the qualification of results are provided in Attachment K.

### **12.1.3 MS/MSD Samples**

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

### **12.1.4 DUP Samples**

All DUP Relative Error Ratios (RER) were within the laboratory acceptance criteria.

### **12.1.5 LCS Samples**

All LCS %Rs were within the laboratory acceptance criteria.

### **12.1.6 FD Samples**

Field duplicates were not collected for this analysis.

### **12.1.7 Isotope Quantitation and Target Identification**

Raw data were evaluated for three samples. All target identifications were acceptable and all reported detect results were correctly calculated for these Stage 4 samples.

## **12.2 Representativeness**

### **12.2.1 Sample Preservation and Holding Times**

The evaluation of holding times to verify compliance with the method was conducted. All samples met the 180-day analysis holding time criteria for radium-226 and radium-228.

### **12.2.2 Blanks**

Method blanks were analyzed to evaluate representativeness.

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 Requested Limit - If a sample result and blank contaminant value were less than the Requested Limit, the sample result was qualified as estimated (J) at the reported concentration.

Results Above the Requested Limit - If a sample result and blank contaminant value were greater than the Requested Limit 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 Requested Limit and associated sample results were greater than the Requested Limit, or if blank contaminant values were greater than the Requested Limit and associated sample results were greater than 10 times the blank contaminant value, the result was not qualified.

#### **12.2.2.1 Method Blanks**

No contaminants were detected in the method blanks.

### **12.3 Comparability**

The laboratory used standard analytical methods for all of the analyses. The laboratory reported non-detect results at the sample specific Minimum Detectable Concentration (MDC). All MDCs attained were at or below the Requested Limits. The comparability of the radium-226 and radium-228 data is regarded as acceptable.

### **12.4 Completeness**

The completeness level attained for radium-226 and radium-228 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.

### **12.5 Sensitivity**

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

## **13.0 ISOTOPIC THORIUM**

A total of 10 samples were analyzed for isotopic thorium by Method A-01-R. All isotopic thorium data were assessed to be valid since none of the 30 total results were rejected based on holding time and QC exceedances. This section discusses the QA/QC supporting documentation as defined by the PARCCS criteria and evaluated based on the DQOs.

### **13.1 Precision and Accuracy**

#### **13.1.1 Instrument Calibration**

All instruments and detectors were calibrated as required. Detector efficiency was determined for each radionuclide of interest. Continuing calibration and background determination was performed at the required frequencies. Results met the method acceptance criteria.

#### **13.1.2 Tracer**

All tracer %Rs were within the method acceptance criteria.

#### **13.1.3 MS/MSD Samples**

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

#### **13.1.4 DUP Samples**

All DUP RERs were within the laboratory acceptance criteria.

#### **13.1.5 LCS Samples**

All LCS %Rs were within the laboratory acceptance criteria.

#### **13.1.6 FD Samples**

Field duplicates were not collected for this analysis.

#### **13.1.7 Isotope Quantitation and Target Identification**

Raw data were evaluated for three samples. All target identifications were acceptable and all reported detect sample results were correctly calculated for these Stage 4 samples.

### **13.2 Representativeness**

#### **13.2.1 Sample Preservation and Holding Times**

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

#### **13.2.2 Blanks**

Method blanks were analyzed to evaluate representativeness.

If contaminants were detected in a blank, corrective actions were made for the chemical analytical data during data validation based on the criteria presented in Section 12.2.2.

##### **13.2.2.1 Method Blanks**

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

### **13.3 Comparability**

The laboratory used standard analytical methods for all of the analyses. The laboratory reported non-detect results at the sample specific MDC. All MDCs attained were at or below the Requested Limits. The comparability of the isotopic thorium data is regarded as acceptable.

### **13.4 Completeness**

The completeness level attained for isotopic thorium 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.

### **13.5 Sensitivity**

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

## **14.0 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.

## **15.0 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.

### **15.1 Precision and Accuracy**

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

All calibrations were performed as required and met the acceptance criteria with the exceptions noted in Sections 2.1.1, and 4.1.1.

All surrogate, LCS/LCSD and MS/MSD percent recoveries and RPDs, carrier and tracer %Rs, internal standard areas and %Rs, RPD between two columns, serial dilution %Ds, ICP interference check, field duplicate RPDs and compound quantitation and target identifications met acceptance criteria with the exceptions noted in Sections 2.1.3, 2.1.5, 2.1.6, 3.1.2, 4.1.3, 6.1.2, 6.1.3, 7.1.2, 9.1.4, 9.1.6, 10.1.2, 10.1.5, 10.1.7, 11.1.3, 11.1.6, and 12.1.2.

### **15.2 Representativeness**

All samples for each method and matrix were evaluated for holding time compliance. All holding times were met with the exception noted in Sections 6.2.1 and 11.2.1. All samples were associated with a method blank in each individual SDG. The representativeness of the project data is considered acceptable after integration of result qualification due to blank contamination as noted in Sections 2.2.2.3, 9.2.2.1, 10.2.2.1, 10.2.2.2, 11.2.1, and 11.2.2.2.

### **15.3 Comparability**

Sampling frequency requirements were met in obtaining necessary field blanks and field duplicates. The laboratory used standard analytical methods for the analyses. The analytical results were reported in correct standard units. Sample integrity criteria were met and sample preservation and holding times were within QC criteria with the exception noted in Sections 2.2.1, 3.2.1, 4.2.1, 5.2.1, 6.2.1, 10.2.1 and 11.2.1. The overall comparability is considered acceptable after integration of result qualification.

## 15.4 Completeness

Of the 51,951 total analytes reported, 256 of the sample results were rejected. The completeness for the SDGs is as follows:

<b>Parameter</b>	<b>Total Analytes</b>	<b>No. of Rejects</b>	<b>% Completeness</b>
VOCs	37,525	204	99.5
1,2,3-Trichloropropane & 1,4-Dioxane	738	0	100
SVOCs	630	1	99.8
PAHs	160	0	100
Chlorinate Pesticides	220	0	100
Aroclor-1260	139	0	100
GRO	1	0	100
PCDD/PCDF	884	0	100
Metals	5,632	0	100
Wet Chemistry	5,972	51	99.1
Radium-226 and Radium-228	20	0	100
Isotopic Thorium	30	0	100
<b>Total</b>	<b>51,951</b>	<b>256</b>	<b>99.5</b>

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

## 15.5 Sensitivity

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

## 16.0 CONCLUSIONS AND RECOMMENDATIONS

The analytical data quality assessment for the soil and water sample laboratory analytical results generated during the Phase 2 Remedial Investigation soil and groundwater sampling activities completed from July through November 2017, at the NERT site in Henderson, Nevada established that the overall project requirements and completeness levels were met. Sample results that were found to be rejected (R) are unusable for all purposes. Sample results that were found to be estimated (J) are usable for limited purposes only. Based upon the Stage 2A, Stage 2B, and Stage 4 data validation all other results are considered valid and usable for all purposes.

## 17.0 REFERENCES

- Ramboll 2017. Quality Assurance Project Plan, Revision 2, Nevada Environmental Response Trust Site, Henderson, Nevada. October.
- NDEP 2018. NDEP Data Validation Guidance established for the BMI Plant Sites and Common Areas Projects, Henderson, Nevada. July.
- USEPA 2014. Multi Agency Radiological Laboratory Analytical Protocols (MARLAP) Manual. July.
- USEPA 2016. USEPA National Functional Guidelines for High Resolution Superfund Methods Data Review. April.
- 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 ID	Lab ID	QC Type	Sample Date	Matrix	Validation Level	VOC (8260B)	1,2,3-Trichloropropane & 1,4-Dioxane (8260BSIM)	SVOC (8270C)	PAH (8270CSIM)	Chlorinated Pesticides (8081A)	Aroclor-1260 (8082)	GRO (8015B)	PCDD/PCDF (8290)	Metals (200.7/200.8)	Metals (6010B)	Metals (6020A)	Mercury (7471A)	Hexavalent Cr (218.6)	Hexavalent Cr (7199)	Anions (300.0)	Chlorate (300.1B)	Perchlorate (314.0)	Total Phosphorus (365.3)	Alkalinity (2320B)	Specific Conductivity (2510B)	TDS (2540C)	Cyanide (4500-CN-E)	DOC (5310B)	Sulfide (9034)	pH (9040C)	Radium-226 (903.0)	Radium-228 (904.0)	Isotopic Thorium (A-01-R)			
39683	4401882961	M-197-100.0-20170712-TB	440-188296-1	TB	7/12/2017	Soil	Stage 2B	X																														
39683	4401882961	M-197-100.0-20170712	440-188296-2		7/12/2017	Soil	Stage 2B	X								X					X	X	X	X														
39683	4401882961	M-197-110.0-20170712	440-188296-3		7/12/2017	Soil	Stage 2B	X								X					X	X	X	X														
39683	4401882961	M-197-120.0-20170712	440-188296-4	FD1	7/12/2017	Soil	Stage 2B	X								X					X	X	X	X														
39683	4401882961	M-197-120.0-20170712-FD	440-188296-5	FD1	7/12/2017	Soil	Stage 2B	X								X					X	X	X	X														
39683	4401882961	M-197-130.0-20170712	440-188296-6		7/12/2017	Soil	Stage 2B	X								X					X	X	X	X														
39683	4401882961	M-197-140.0-20170712	440-188296-7		7/12/2017	Soil	Stage 2B	X								X					X	X	X	X														
39683	4401882961	M-197-150.0-20170712	440-188296-8		7/12/2017	Soil	Stage 2B	X								X					X	X	X	X														
39683	4401884901	M-195-100.0-20170717-TB	440-188490-1	TB	7/17/2017	Soil	Stage 2B	X																														
39683	4401884901	M-195-100.0-20170717	440-188490-2		7/17/2017	Soil	Stage 2B	X								X					X	X	X	X														
39683	4401884901	M-195-100.0-20170717-EBTB	440-188490-3	TB	7/17/2017	Water	Stage 2A	X	X																													
39683	4401884901	M-195-100.0-20170717-EB	440-188490-4	EB	7/17/2017	Water	Stage 2A	X	X							X					X	X	X	X														
39683	4401884901	M-195-110.0-20170717	440-188490-5		7/17/2017	Soil	Stage 2B	X								X					X	X	X	X														
39683	4401885351	M-195-120.0-20170718-TB	440-188535-1	TB	7/18/2017	Soil	Stage 4	X																														
39683	4401885351	M-195-120.0-20170718	440-188535-2		7/18/2017	Soil	Stage 4	X								X					X	X	X	X														
39683	4401885351	M-195-130.0-20170718	440-188535-3		7/18/2017	Soil	Stage 4	X								X					X	X	X	X														
39683	4401885351	M-195-130.0-20170718-EBTB	440-188535-4	TB	7/18/2017	Water	Stage 2A	X	X																													
39683	4401885351	M-195-130.0-20170718-EB	440-188535-5	EB	7/18/2017	Water	Stage 2A	X	X							X					X	X	X	X														
39683	4401885351	M-195-140.0-20170718	440-188535-6		7/18/2017	Soil	Stage 4	X								X					X	X	X	X														
39683	4401885351	M-195-150.0-20170718	440-188535-7		7/18/2017	Soil	Stage 4	X								X					X	X	X	X														
39683	4401888811	RI-6-20.0-20170724-TB	440-188881-1	TB	7/24/2017	Soil	Stage 2B	X																														
39683	4401888811	RI-6-20.0-20170724	440-188881-2		7/24/2017	Soil	Stage 2B	X		X	X	X	X			X			X		X	X	X	X														
39683	4401888811	RI-6-30.0-20170724	440-188881-3		7/24/2017	Soil	Stage 2B	X		X	X	X	X			X			X		X	X	X	X														
39683	4401888811	RI-6-40.0-20170724	440-188881-4		7/24/2017	Soil	Stage 2B	X								X						X	X	X														
39683	4401888811	RI-6-50.0-20170724	440-188881-5		7/24/2017	Soil	Stage 2B	X								X						X	X	X														
39683	4401888811	RI-6-60.0-20170724	440-188881-6		7/24/2017	Soil	Stage 2B	X								X						X	X	X														
39683	4401888811	RI-6-70.0-20170724	440-188881-7		7/24/2017	Soil	Stage 2B	X								X						X	X	X														

Table I. Sample Cross-Reference

LDC	SDG	Client ID	Lab ID	QC Type	Sample Date	Matrix	Validation Level	VOC (8260B)	1,2,3-Trichloropropane & 1,4-Dioxane (8260BSIM)	SVOC (8270C)	PAH (8270CSIM)	Chlorinated Pesticides (8081A)	Aroclor-1260 (8082)	GRO (8015B)	PCDD/PCDF (8290)	Metals (200.7/200.8)	Metals (6010B)	Metals (6020A)	Mercury (7471A)	Hexavalent Cr (218.6)	Hexavalent Cr (7199)	Anions (300.0)	Chlorate (300.1B)	Perchlorate (314.0)	Total Phosphorus (365.3)	Alkalinity (2320B)	Specific Conductivity (2510B)	TDS (2540C)	Cyanide (4500-CN-E)	DOC (5310B)	Sulfide (9034)	pH (9040C)	Radium-226 (903.0)	Radium-228 (904.0)	Isotopic Thorium (A-01-R)		
39683	4401888811	RI-6-80.0-20170724	440-188881-8		7/24/2017	Soil	Stage 2B	X									X					X	X	X													
39683	4401888812	RI-6-20.0-20170724	440-188881-2		7/24/2017	Soil	Stage 2B								X																						
39683	4401888812	RI-6-30.0-20170724	440-188881-3		7/24/2017	Soil	Stage 2B								X																						
39683	4401888813	RI-6-20.0-20170724	440-188881-2		7/24/2017	Soil	Stage 2B											X																X	X	X	
39683	4401888813	RI-6-30.0-20170724	440-188881-3		7/24/2017	Soil	Stage 2B											X															X	X	X		
39683	4401889421	RI-6-90.0-20170725-TB	440-188942-1	TB	7/25/2017	Soil	Stage 2B	X																													
39683	4401889421	RI-6-90.0-20170725	440-188942-2	FD2	7/25/2017	Soil	Stage 2B	X								X						X	X	X													
39683	4401889421	RI-6-90.0-20170725-FD	440-188942-3	FD2	7/25/2017	Soil	Stage 2B	X								X						X	X	X													
39683	4401889421	RI-6-95.0-20170725	440-188942-4		7/25/2017	Soil	Stage 2B	X																X													
39683	4401889421	RI-6-100.0-20170725	440-188942-5		7/25/2017	Soil	Stage 2B	X								X						X	X	X													
39683	4401889421	RI-6-105.0-20170725	440-188942-6		7/25/2017	Soil	Stage 2B	X																X													
39683	4401889421	RI-6-110.0-20170725	440-188942-7		7/25/2017	Soil	Stage 2B	X								X						X	X	X													
39683	4401889421	RI-6-115.0-20170725	440-188942-8		7/25/2017	Soil	Stage 2B	X																X													
39683	4401889421	RI-6-120.0-20170725	440-188942-9		7/25/2017	Soil	Stage 2B	X								X						X	X	X													
39683	4401889421	RI-6-120.0-20170725-EBTB	440-188942-10	TB	7/25/2017	Water	Stage 2A	X	X																												
39683	4401889421	RI-6-120.0-20170725-EB	440-188942-11	EB	7/25/2017	Water	Stage 2A	X	X							X						X	X	X													
39683	4401889421	RI-6-125.0-20170725	440-188942-12		7/25/2017	Soil	Stage 2B	X																X													
39683	4401889421	RI-6-130.0-20170725	440-188942-13		7/25/2017	Soil	Stage 2B	X								X						X	X	X													
39683	4401889421	RI-6-130.0-20170725-EB	440-188942-14	EB	7/25/2017	Water	Stage 2A	X	X							X						X	X	X													
39683	4401889421	RI-6-135.0-20170725	440-188942-15		7/25/2017	Soil	Stage 2B	X																X													
39683	4401889421	RI-6-140.0-20170725	440-188942-16		7/25/2017	Soil	Stage 2B	X																X													
39683	4401889421	RI-6-145.0-20170725	440-188942-17		7/25/2017	Soil	Stage 2B	X																X													
39683	4401889421	RI-6-150.0-20170725	440-188942-18		7/25/2017	Soil	Stage 2B	X																X													
39683	4401890601	RI-14-5.0-20170726-TB	440-189060-1	TB	7/26/2017	Soil	Stage 2B	X																													
39683	4401890601	RI-14-5.0-20170726	440-189060-2		7/26/2017	Soil	Stage 2B	X		X	X	X	X			X		X			X	X	X	X													
39683	4401890601	RI-14-10.0-20170726	440-189060-3		7/26/2017	Soil	Stage 2B	X		X	X	X	X			X		X			X	X	X	X													
39683	4401890601	RI-14-20.0-20170726	440-189060-4		7/26/2017	Soil	Stage 2B	X		X	X	X	X			X		X			X	X	X	X													

Table I. Sample Cross-Reference

LDC	SDG	Client ID	Lab ID	QC Type	Sample Date	Matrix	Validation Level	VOC (8260B)	1,2,3-Trichloropropane & 1,4-Dioxane (8260BSIM)	SVOC (8270C)	PAH (8270CSIM)	Chlorinated Pesticides (8081A)	Aroclor-1260 (8082)	GRO (8015B)	PCDD/PCDF (8290)	Metals (200.7/200.8)	Metals (6010B)	Metals (6020A)	Mercury (7471A)	Hexavalent Cr (218.6)	Hexavalent Cr (7199)	Anions (300.0)	Chlorate (300.1B)	Perchlorate (314.0)	Total Phosphorus (365.3)	Alkalinity (2320B)	Specific Conductivity (2510B)	TDS (2540C)	Cyanide (4500-CN-E)	DOC (5310B)	Sulfide (9034)	pH (9040C)	Radium-226 (903.0)	Radium-228 (904.0)	Isotopic Thorium (A-01-R)	
39683	4401890601	RI-14-30.0-20170726	440-189060-5		7/26/2017	Soil	Stage 2B	X		X	X	X	X			X		X		X	X	X	X													
39683	4401890601	RI-14-40.0-20170726	440-189060-6		7/26/2017	Soil	Stage 2B	X								X						X	X	X												
39683	4401890601	RI-14-50.0-20170726	440-189060-7		7/26/2017	Soil	Stage 2B	X								X						X	X	X												
39683	4401890601	RI-14-60.0-20170726	440-189060-8		7/26/2017	Soil	Stage 2B	X								X						X	X	X												
39683	4401890601	RI-14-50.0-20170726-EBTB	440-189060-9	TB	7/26/2017	Water	Stage 2A	X	X																											
39683	4401890601	RI-14-50.0-20170726-EB	440-189060-10	EB	7/26/2017	Water	Stage 2A	X	X							X						X	X	X												
39683	4401890601	RI-14-70.0-20170726	440-189060-11	FD3	7/26/2017	Soil	Stage 2B	X								X						X	X	X												
39683	4401890601	RI-14-70.0-20170726-FD	440-189060-12	FD3	7/26/2017	Soil	Stage 2B	X								X						X	X	X												
39683	4401890601	RI-14-80.0-20170726	440-189060-13		7/26/2017	Soil	Stage 2B	X								X						X	X	X												
39683	4401890602	RI-14-5.0-20170726	440-189060-2		7/26/2017	Soil	Stage 2B								X																					
39683	4401890602	RI-14-10.0-20170726	440-189060-3		7/26/2017	Soil	Stage 2B								X																					
39683	4401890602	RI-14-20.0-20170726	440-189060-4		7/26/2017	Soil	Stage 2B								X																					
39683	4401890602	RI-14-30.0-20170726	440-189060-5		7/26/2017	Soil	Stage 2B								X																					
39683	4401890603	RI-14-5.0-20170726	440-189060-2		7/26/2017	Soil	Stage 2B												X													X	X	X		
39683	4401890603	RI-14-10.0-20170726	440-189060-3		7/26/2017	Soil	Stage 2B												X												X	X	X			
39683	4401890603	RI-14-20.0-20170726	440-189060-4		7/26/2017	Soil	Stage 2B												X												X	X	X			
39683	4401890603	RI-14-30.0-20170726	440-189060-5		7/26/2017	Soil	Stage 2B												X												X	X	X			
39683	4401891401	RI-14-90.0-20170727-TB	440-189140-1	TB	7/27/2017	Soil	Stage 2B	X																												
39683	4401891401	RI-14-90.0-20170727	440-189140-2		7/27/2017	Soil	Stage 2B	X								X						X	X	X												
39683	4401891401	RI-14-90.0-20170727-EBTB	440-189140-3	TB	7/27/2017	Water	Stage 2A	X	X																											
39683	4401891401	RI-14-90.0-20170727-EB	440-189140-4	EB	7/27/2017	Water	Stage 2A	X	X							X						X	X	X												
39683	4401891401	RI-14-95.0-20170727	440-189140-5		7/27/2017	Soil	Stage 2B	X																X												
39683	4401891401	RI-14-100.0-20170727	440-189140-6	FD4	7/27/2017	Soil	Stage 2B	X								X						X	X	X												
39683	4401891401	RI-14-100.0-20170727-FD	440-189140-7	FD4	7/27/2017	Soil	Stage 2B	X								X						X	X	X												
39683	4401891401	RI-14-100.0-20170727-EB	440-189140-8	EB	7/27/2017	Water	Stage 2A	X	X							X						X	X	X												
39683	4401891401	RI-14-105.0-20170727	440-189140-9		7/27/2017	Soil	Stage 2B	X																X												
39683	4401891401	RI-14-110.0-20170727	440-189140-10		7/27/2017	Soil	Stage 2B	X								X						X	X	X												

Table I. Sample Cross-Reference

LDC	SDG	Client ID	Lab ID	QC Type	Sample Date	Matrix	Validation Level	VOC (8260B)	1,2,3-Trichloropropane & 1,4-Dioxane (8260BSIM)	SVOC (8270C)	PAH (8270CSIM)	Chlorinated Pesticides (8081A)	Aroclor-1260 (8082)	GRO (8015B)	PCDD/PCDF (8290)	Metals (200.7/200.8)	Metals (6010B)	Metals (6020A)	Mercury (7471A)	Hexavalent Cr (218.6)	Hexavalent Cr (7199)	Anions (300.0)	Chlorate (300.1B)	Perchlorate (314.0)	Total Phosphorus (365.3)	Alkalinity (2320B)	Specific Conductivity (2510B)	TDS (2540C)	Cyanide (4500-CN-E)	DOC (5310B)	Sulfide (9034)	pH (9040C)	Radium-226 (903.0)	Radium-228 (904.0)	Isotopic Thorium (A-01-R)			
39683	4401891401	RI-14-115.0-20170727	440-189140-11		7/27/2017	Soil	Stage 2B	X															X															
39683	4401891401	RI-14-120.0-20170727	440-189140-12		7/27/2017	Soil	Stage 2B	X								X						X	X	X														
39683	4401891401	RI-14-125.0-20170727	440-189140-13		7/27/2017	Soil	Stage 2B	X															X															
39683	4401891401	RI-14-130.0-20170727	440-189140-14		7/27/2017	Soil	Stage 2B	X								X						X	X	X														
39683	4401891401	RI-14-135.0-20170727	440-189140-15		7/27/2017	Soil	Stage 2B	X																X														
39683	4401891401	RI-14-140.0-20170727	440-189140-16		7/27/2017	Soil	Stage 2B	X																X														
39683	4401891401	RI-14-145.0-20170727	440-189140-17		7/27/2017	Soil	Stage 2B	X																X														
39683	4401891401	RI-14-150.0-20170727	440-189140-18		7/27/2017	Soil	Stage 2B	X																X														
39683	4401892231	RI-15-5.0-20170728-TB	440-189223-1	TB	7/28/2017	Soil	Stage 4	X																														
39683	4401892231	RI-15-5.0-20170728	440-189223-2		7/28/2017	Soil	Stage 4	X		X	X	X	X			X	X		X	X	X	X	X															
39683	4401892231	RI-15-10.0-20170728	440-189223-3		7/28/2017	Soil	Stage 4	X		X	X	X	X			X	X		X	X	X	X	X															
39683	4401892231	RI-15-20.0-20170728	440-189223-4		7/28/2017	Soil	Stage 4	X		X	X	X	X			X	X		X	X	X	X	X															
39683	4401892231	PCDB-7-5.0-20170728-TB	440-189223-5	TB	7/28/2017	Soil	Stage 4	X																														
39683	4401892231	PCDB-7-5.0-20170728	440-189223-6		7/28/2017	Soil	Stage 4	X								X						X	X	X														
39683	4401892231	PCDB-7-10.0-20170728	440-189223-7		7/28/2017	Soil	Stage 4	X								X						X	X	X														
39683	4401892231	PCDB-7-20.0-20170728	440-189223-8		7/28/2017	Soil	Stage 4	X								X						X	X	X														
39683	4401892232	RI-15-5.0-20170728	440-189223-2		7/28/2017	Soil	Stage 4								X																				X	X	X	
39683	4401892232	RI-15-10.0-20170728	440-189223-3		7/28/2017	Soil	Stage 4								X																				X	X	X	
39683	4401892232	RI-15-20.0-20170728	440-189223-4		7/28/2017	Soil	Stage 4								X																							
39683	4401892233	RI-15-5.0-20170728	440-189223-2		7/28/2017	Soil	Stage 4										X																			X	X	X
39683	4401892233	RI-15-10.0-20170728	440-189223-3		7/28/2017	Soil	Stage 4										X																		X	X	X	
39683	4401892233	RI-15-20.0-20170728	440-189223-4		7/28/2017	Soil	Stage 4										X																		X	X	X	
39683	4401892601	RI-15-30.0-20170730	440-189260-1		7/30/2017	Soil	Stage 2B	X		X	X	X	X			X		X		X	X	X	X															
39683	4401892601	RI-15-40.0-20170730	440-189260-2		7/30/2017	Soil	Stage 2B	X								X						X	X	X														
39683	4401892601	RI-15-50.0-20170730	440-189260-3		7/30/2017	Soil	Stage 2B	X								X						X	X	X														
39683	4401892601	RI-15-60.0-20170730	440-189260-4		7/30/2017	Soil	Stage 2B	X								X						X	X	X														
39683	4401892601	RI-15-70.0-20170730	440-189260-5		7/30/2017	Soil	Stage 2B	X								X						X	X	X														

Table I. Sample Cross-Reference

LDC	SDG	Client ID	Lab ID	QC Type	Sample Date	Matrix	Validation Level	VOC (8260B)	1,2,3-Trichloropropane & 1,4-Dioxane (8260BSIM)	SVOC (8270C)	PAH (8270CSIM)	Chlorinated Pesticides (8081A)	Aroclor-1260 (8082)	GRO (8015B)	PCDD/PCDF (8290)	Metals (200.7/200.8)	Metals (6010B)	Metals (6020A)	Mercury (7471A)	Hexavalent Cr (218.6)	Hexavalent Cr (7199)	Anions (300.0)	Chlorate (300.1B)	Perchlorate (314.0)	Total Phosphorus (365.3)	Alkalinity (2320B)	Specific Conductivity (2510B)	TDS (2540C)	Cyanide (4500-CN-E)	DOC (5310B)	Sulfide (9034)	pH (9040C)	Radium-226 (903.0)	Radium-228 (904.0)	Isotopic Thorium (A-01-R)	
39683	4401892601	RI-15-80.0-20170730	440-189260-6		7/30/2017	Soil	Stage 2B	X								X					X	X	X													
39683	4401892601	RI-15-90.0-20170730	440-189260-7	FD5	7/30/2017	Soil	Stage 2B	X								X						X	X	X												
39683	4401892601	RI-15-90.0-20170730-FD	440-189260-8	FD5	7/30/2017	Soil	Stage 2B	X								X						X	X	X												
39683	4401892601	RI-15-95.0-20170730	440-189260-9		7/30/2017	Soil	Stage 2B	X																X												
39683	4401892601	RI-15-100.0-20170730	440-189260-10		7/30/2017	Soil	Stage 2B	X								X						X	X	X												
39683	4401892601	RI-15-100.0-20170731-EBTB	440-189260-11	TB	7/31/2017	Water	Stage 2A	X	X																											
39683	4401892601	RI-15-100.0-20170731-EB	440-189260-12	EB	7/31/2017	Water	Stage 2A	X	X													X	X	X												
39683	4401892602	RI-15-30.0-20170730	440-189260-1		7/30/2017	Soil	Stage 2B								X																					
39683	4401892603	RI-15-30.0-20170730	440-189260-1		7/30/2017	Soil	Stage 2B											X															X	X	X	
39683	4401892611	PCDB-7-30.0-20170729	440-189261-1		7/29/2017	Soil	Stage 2B	X								X						X	X	X												
39683	4401892611	PCDB-7-40.0-20170729	440-189261-2		7/29/2017	Soil	Stage 2B	X								X						X	X	X												
39683	4401892611	PCDB-7-50.0-20170729	440-189261-3		7/29/2017	Soil	Stage 2B	X								X						X	X	X												
39683	4401892611	PCDB-7-60.0-20170729	440-189261-4		7/29/2017	Soil	Stage 2B	X								X						X	X	X												
39683	4401892611	PCDB-7-70.0-20170729	440-189261-5		7/29/2017	Soil	Stage 2B	X								X						X	X	X												
39683	4401892611	PCDB-7-80.0-20170729	440-189261-6		7/29/2017	Soil	Stage 2B	X								X						X	X	X												
39683	4401892611	PCDB-7-90.0-20170729	440-189261-7		7/29/2017	Soil	Stage 2B	X								X						X	X	X												
39683	4401892611	PCDB-4-5.0-20170730	440-189261-8		7/30/2017	Soil	Stage 2B	X								X						X	X	X												
39683	4401892611	PCDB-4-10.0-20170730	440-189261-9		7/30/2017	Soil	Stage 2B	X								X						X	X	X												
39683	4401892611	PCDB-4-20.0-20170730	440-189261-10		7/30/2017	Soil	Stage 2B	X								X						X	X	X												
39683	4401892611	PCDB-4-30.0-20170730	440-189261-11		7/30/2017	Soil	Stage 2B	X								X						X	X	X												
39683	4401892611	PCDB-4-40.0-20170730	440-189261-12		7/30/2017	Soil	Stage 2B	X								X						X	X	X												
39683	4401892611	PCDB-4-50.0-20170730	440-189261-13		7/30/2017	Soil	Stage 2B	X								X						X	X	X												
39683	4401892611	PCDB-4-60.0-20170730	440-189261-14		7/30/2017	Soil	Stage 2B	X								X						X	X	X												
39683	4401892611	PCDB-4-70.0-20170730	440-189261-15		7/30/2017	Soil	Stage 2B	X								X						X	X	X												
39683	4401892611	PCDB-4-80.0-20170730	440-189261-16		7/30/2017	Soil	Stage 2B	X								X						X	X	X												
39683	4401892611	PCDB-4-90.0-20170730	440-189261-17		7/30/2017	Soil	Stage 2B	X								X						X	X	X												
39683	4401892611	PCDB-7-30.0-20170729-TB	440-189261-18	TB	7/29/2017	Soil	Stage 2B	X																												

Table I. Sample Cross-Reference

LDC	SDG	Client ID	Lab ID	QC Type	Sample Date	Matrix	Validation Level	VOC (8260B)	1,2,3-Trichloropropane & 1,4-Dioxane (8260BSIM)	SVOC (8270C)	PAH (8270CSIM)	Chlorinated Pesticides (8081A)	Aroclor-1260 (8082)	GRO (8015B)	PCDD/PCDF (8290)	Metals (200.7/200.8)	Metals (6010B)	Metals (6020A)	Mercury (7471A)	Hexavalent Cr (218.6)	Hexavalent Cr (7199)	Anions (300.0)	Chlorate (300.1B)	Perchlorate (314.0)	Total Phosphorus (365.3)	Alkalinity (2320B)	Specific Conductivity (2510B)	TDS (2540C)	Cyanide (4500-CN-E)	DOC (5310B)	Sulfide (9034)	pH (9040C)	Radium-226 (903.0)	Radium-228 (904.0)	Isotopic Thorium (A-01-R)			
39683	4401892891	RI-15-105.0-20170731-TB	440-189289-1	TB	7/31/2017	Soil	Stage 4	X						X																								
39683	4401892891	RI-15-105.0-20170731	440-189289-2		7/31/2017	Soil	Stage 4	X																X														
39683	4401892891	RI-15-110.0-20170731	440-189289-3	FD6	7/31/2017	Soil	Stage 4	X								X						X	X	X														
39683	4401892891	RI-15-110.0-20170731-FD	440-189289-4	FD6	7/31/2017	Soil	Stage 4	X								X						X	X	X														
39683	4401892891	RI-15-115.0-20170731	440-189289-5		7/31/2017	Soil	Stage 4	X																X														
39683	4401892891	RI-15-110.0-20170731-EBTB	440-189289-6	TB	7/31/2017	Water	Stage 2A	X	X																													
39683	4401892891	RI-15-110.0-20170731-EB	440-189289-7	EB	7/31/2017	Water	Stage 2A	X	X							X						X	X	X														
39683	4401892891	RI-15-120.0-20170731	440-189289-8		7/31/2017	Soil	Stage 4	X								X						X	X	X														
39683	4401892891	RI-15-125.0-20170731	440-189289-9		7/31/2017	Soil	Stage 4	X																X														
39683	4401892891	RI-15-130.0-20170731	440-189289-10		7/31/2017	Soil	Stage 4	X								X						X	X	X														
39683	4401892891	RI-15-135.0-20170731	440-189289-11		7/31/2017	Soil	Stage 4	X																X														
39683	4401892891	RI-15-140.0-20170731	440-189289-12		7/31/2017	Soil	Stage 4	X																X														
39683	4401892891	RI-15-145.0-20170731	440-189289-13		7/31/2017	Soil	Stage 4	X																X														
39683	4401892891	RI-15-150.0-20170731	440-189289-14		7/31/2017	Soil	Stage 4	X																X														
39682	4401901531	PCDB-11-5.0-20170811-TB	440-190153-1	TB	8/11/2017	Soil	Stage 2B	X																														
39682	4401901531	PCDB-11-5.0-20170811	440-190153-2		8/11/2017	Soil	Stage 2B	X								X						X	X	X														
39682	4401901531	PCDB-11-10.0-20170811	440-190153-3	FD8	8/11/2017	Soil	Stage 2B	X								X						X	X	X														
39682	4401901531	PCDB-11-10.0-20170811-FD	440-190153-4	FD8	8/11/2017	Soil	Stage 2B	X								X						X	X	X														
39682	4401901531	PCDB-11-20.0-20170811	440-190153-5		8/11/2017	Soil	Stage 2B	X								X						X	X	X														
39682	4401901531	PCDB-11-30.0-20170811	440-190153-6		8/11/2017	Soil	Stage 2B	X								X						X	X	X														
39682	4401901531	PCDB-11-40.0-20170811	440-190153-7	FD9	8/11/2017	Soil	Stage 2B	X								X						X	X	X														
39682	4401901531	PCDB-11-40.0-20170811-FD	440-190153-8	FD9	8/11/2017	Soil	Stage 2B	X								X						X	X	X														
39682	4401901531	PCDB-11-50.0-20170811	440-190153-9		8/11/2017	Soil	Stage 2B	X								X						X	X	X														
39682	4401901531	PCDB-11-60.0-20170811	440-190153-10		8/11/2017	Soil	Stage 2B	X								X						X	X	X														
39682	4401901531	PCDB-11-70.0-20170811	440-190153-11		8/11/2017	Soil	Stage 2B	X								X						X	X	X														
39682	4401901531	PCDB-11-80.0-20170811	440-190153-12	FD7	8/11/2017	Soil	Stage 2B	X								X						X	X	X														
39682	4401901531	PCDB-11-80.0-20170811-FD	440-190153-13	FD7	8/11/2017	Soil	Stage 2B	X								X						X	X	X														

Table I. Sample Cross-Reference

LDC	SDG	Client ID	Lab ID	QC Type	Sample Date	Matrix	Validation Level	VOC (8260B)	1,2,3-Trichloropropane & 1,4-Dioxane (8260BSIM)	SVOC (8270C)	PAH (8270CSIM)	Chlorinated Pesticides (8081A)	Aroclor-1260 (8082)	GRO (8015B)	PCDD/PCDF (8290)	Metals (200.7/200.8)	Metals (6010B)	Metals (6020A)	Mercury (7471A)	Hexavalent Cr (218.6)	Hexavalent Cr (7199)	Anions (300.0)	Chlorate (300.1B)	Perchlorate (314.0)	Total Phosphorus (365.3)	Alkalinity (2320B)	Specific Conductivity (2510B)	TDS (2540C)	Cyanide (4500-CN-E)	DOC (5310B)	Sulfide (9034)	pH (9040C)	Radium-226 (903.0)	Radium-228 (904.0)	Isotopic Thorium (A-01-R)	
39682	4401901531	PCDB-11-90.0-20170811	440-190153-14		8/11/2017	Soil	Stage 2B	X								X						X	X	X												
39682	4401901811	PCDB-10-5.0-20170812-TB	440-190181-1	TB	8/12/2017	Soil	Stage 2B	X																												
39682	4401901811	PCDB-10-5.0-20170812	440-190181-2		8/12/2017	Soil	Stage 2B	X								X						X	X	X												
39682	4401901811	PCDB-10-10.0-20170812	440-190181-3	FD13	8/12/2017	Soil	Stage 2B	X								X						X	X	X												
39682	4401901811	PCDB-10-10.0-20170812-FD	440-190181-4	FD13	8/12/2017	Soil	Stage 2B	X								X						X	X	X												
39682	4401901811	PCDB-10-20.0-20170812	440-190181-5		8/12/2017	Soil	Stage 2B	X								X						X	X	X												
39682	4401901811	PCDB-10-30.0-20170812	440-190181-6		8/12/2017	Soil	Stage 2B	X								X						X	X	X												
39682	4401901811	PCDB-10-40.0-20170812	440-190181-7	FD14	8/12/2017	Soil	Stage 2B	X								X						X	X	X												
39682	4401901811	PCDB-10-40.0-20170812-FD	440-190181-8	FD14	8/12/2017	Soil	Stage 2B	X								X						X	X	X												
39682	4401901811	PCDB-10-50.0-20170812	440-190181-9		8/12/2017	Soil	Stage 2B	X								X						X	X	X												
39682	4401901811	PCDB-10-60.0-20170812	440-190181-10		8/12/2017	Soil	Stage 2B	X								X						X	X	X												
39682	4401901811	PCDB-10-70.0-20170813	440-190181-11	FD10	8/13/2017	Soil	Stage 2B	X								X						X	X	X												
39682	4401901811	PCDB-10-70.0-20170813-FD	440-190181-12	FD10	8/13/2017	Soil	Stage 2B	X								X						X	X	X												
39682	4401901811	PCDB-10-80.0-20170813	440-190181-13		8/13/2017	Soil	Stage 2B	X								X						X	X	X												
39682	4401901811	PCDB-10-90.0-20170813	440-190181-14		8/13/2017	Soil	Stage 2B	X								X						X	X	X												
39682	4401901811	PCDB-13-5.0-20170813	440-190181-15		8/13/2017	Soil	Stage 2B	X								X						X	X	X												
39682	4401901811	PCDB-13-10.0-20170813	440-190181-16	FD11	8/13/2017	Soil	Stage 2B	X								X						X	X	X												
39682	4401901811	PCDB-13-10.0-20170813-FD	440-190181-17	FD11	8/13/2017	Soil	Stage 2B	X								X						X	X	X												
39682	4401901811	PCDB-13-20.0-20170813	440-190181-18		8/13/2017	Soil	Stage 2B	X								X						X	X	X												
39682	4401901811	PCDB-13-30.0-20170813	440-190181-19		8/13/2017	Soil	Stage 2B	X								X						X	X	X												
39682	4401901811	PCDB-13-40.0-20170813	440-190181-20	FD12	8/13/2017	Soil	Stage 2B	X								X						X	X	X												
39682	4401901811	PCDB-13-40.0-20170813-FD	440-190181-21	FD12	8/13/2017	Soil	Stage 2B	X								X						X	X	X												
39682	4401901811	PCDB-13-50.0-20170813	440-190181-22		8/13/2017	Soil	Stage 2B	X								X						X	X	X												
39682	4401901811	PCDB-13-60.0-20170813	440-190181-23		8/13/2017	Soil	Stage 2B	X								X						X	X	X												
39682	4401901811	PCDB-13-70.0-20170813	440-190181-24		8/13/2017	Soil	Stage 2B	X								X						X	X	X												
39682	4401902771	PCDB-13-80.0-20170814-TB	440-190277-1	TB	8/14/2017	Soil	Stage 2B	X																												
39682	4401902771	PCDB-13-80.0-20170814	440-190277-2	FD17	8/14/2017	Soil	Stage 2B	X								X						X	X	X												



Table I. Sample Cross-Reference

LDC	SDG	Client ID	Lab ID	QC Type	Sample Date	Matrix	Validation Level	VOC (8260B)	1,2,3-Trichloropropane & 1,4-Dioxane (8260BSIM)	SVOC (8270C)	PAH (8270CSIM)	Chlorinated Pesticides (8081A)	Aroclor-1260 (8082)	GRO (8015B)	PCDD/PCDF (8290)	Metals (200.7/200.8)	Metals (6010B)	Metals (6020A)	Mercury (7471A)	Hexavalent Cr (218.6)	Hexavalent Cr (7199)	Anions (300.0)	Chlorate (300.1B)	Perchlorate (314.0)	Total Phosphorus (365.3)	Alkalinity (2320B)	Specific Conductivity (2510B)	TDS (2540C)	Cyanide (4500-CN-E)	DOC (5310B)	Sulfide (9034)	pH (9040C)	Radium-226 (903.0)	Radium-228 (904.0)	Isotopic Thorium (A-01-R)	
39682	4401902771	PCDB-13-80.0-20170814-FD	440-190277-3	FD17	8/14/2017	Soil	Stage 2B	X								X					X	X	X													
39682	4401902771	PCDB-13-90.0-20170814	440-190277-4		8/14/2017	Soil	Stage 2B	X								X						X	X	X												
39682	4401902771	PCDB-12-5.0-20170814	440-190277-5		8/14/2017	Soil	Stage 2B	X								X						X	X	X												
39682	4401902771	PCDB-12-10.0-20170814	440-190277-6		8/14/2017	Soil	Stage 2B	X								X						X	X	X												
39682	4401902771	PCDB-12-10.0-20170814-EBTB	440-190277-7	TB	8/14/2017	Water	Stage 2A	X	X																											
39682	4401902771	PCDB-12-10.0-20170814-EB	440-190277-8	EB	8/14/2017	Water	Stage 2A	X	X							X						X	X	X												
39682	4401902771	PCDB-12-20.0-20170814	440-190277-9	FD15	8/14/2017	Soil	Stage 2B	X								X						X	X	X												
39682	4401902771	PCDB-12-20.0-20170814-FD	440-190277-10	FD15	8/14/2017	Soil	Stage 2B	X								X						X	X	X												
39682	4401902771	PCDB-12-30.0-20170814	440-190277-11		8/14/2017	Soil	Stage 2B	X								X						X	X	X												
39682	4401902771	PCDB-12-40.0-20170814	440-190277-12		8/14/2017	Soil	Stage 2B	X								X						X	X	X												
39682	4401902771	PCDB-12-50.0-20170814	440-190277-13		8/14/2017	Soil	Stage 2B	X								X						X	X	X												
39682	4401902771	PCDB-12-50.0-20170814-EB	440-190277-14	EB	8/14/2017	Water	Stage 2A	X	X							X						X	X	X												
39682	4401902771	PCDB-12-60.0-20170814	440-190277-15	FD16	8/14/2017	Soil	Stage 2B	X								X						X	X	X												
39682	4401902771	PCDB-12-60.0-20170814-FD	440-190277-16	FD16	8/14/2017	Soil	Stage 2B	X								X						X	X	X												
39682	4401903181	PCDB-5-5.0-20170815	440-190318-1		8/15/2017	Soil	Stage 2B	X								X						X	X	X												
39682	4401903181	PCDB-5-10.0-20170815	440-190318-2		8/15/2017	Soil	Stage 2B	X								X						X	X	X												
39682	4401903181	PCDB-5-20.0-20170815	440-190318-3	FD20	8/15/2017	Soil	Stage 2B	X								X						X	X	X												
39682	4401903181	PCDB-5-20.0-20170815-FD	440-190318-4	FD20	8/15/2017	Soil	Stage 2B	X								X						X	X	X												
39682	4401903181	PCDB-5-30.0-20170815	440-190318-5		8/15/2017	Soil	Stage 2B	X								X						X	X	X												
39682	4401903181	PCDB-5-40.0-20170815	440-190318-6		8/15/2017	Soil	Stage 2B	X								X						X	X	X												
39682	4401903181	PCDB-5-50.0-20170815	440-190318-7		8/15/2017	Soil	Stage 2B	X								X						X	X	X												
39682	4401903181	PCDB-5-60.0-20170815	440-190318-8	FD18	8/15/2017	Soil	Stage 2B	X								X						X	X	X												
39682	4401903181	PCDB-5-70.0-20170815	440-190318-9		8/15/2017	Soil	Stage 2B	X								X						X	X	X												
39682	4401903181	PCDB-5-60.0-20170815-FD	440-190318-10	FD18	8/15/2017	Soil	Stage 2B	X								X						X	X	X												
39682	4401903181	PCDB-5-80.0-20170815	440-190318-11		8/15/2017	Soil	Stage 2B	X								X						X	X	X												
39682	4401903181	PCDB-5-90.0-20170815	440-190318-12		8/15/2017	Soil	Stage 2B	X								X						X	X	X												
39682	4401903181	PCDB-12-70.0-20170814-TB	440-190318-13	TB	8/14/2017	Soil	Stage 2B	X																												

Table I. Sample Cross-Reference

LDC	SDG	Client ID	Lab ID	QC Type	Sample Date	Matrix	Validation Level	VOC (8260B)	1,2,3-Trichloropropane & 1,4-Dioxane (8260BSIM)	SVOC (8270C)	PAH (8270CSIM)	Chlorinated Pesticides (8081A)	Aroclor-1260 (8082)	GRO (8015B)	PCDD/PCDF (8290)	Metals (200.7/200.8)	Metals (6010B)	Metals (6020A)	Mercury (7471A)	Hexavalent Cr (218.6)	Hexavalent Cr (7199)	Anions (300.0)	Chlorate (300.1B)	Perchlorate (314.0)	Total Phosphorus (365.3)	Alkalinity (2320B)	Specific Conductivity (2510B)	TDS (2540C)	Cyanide (4500-CN-E)	DOC (5310B)	Sulfide (9034)	pH (9040C)	Radium-226 (903.0)	Radium-228 (904.0)	Isotopic Thorium (A-01-R)		
39682	4401903181	PCDB-12-70.0-20170814	440-190318-14		8/14/2017	Soil	Stage 2B	X								X					X	X	X														
39682	4401903181	PCDB-12-80.0-20170814	440-190318-15		8/14/2017	Soil	Stage 2B	X								X						X	X	X													
39682	4401903181	PCDB-12-90.0-20170814	440-190318-16	FD19	8/14/2017	Soil	Stage 2B	X								X						X	X	X													
39682	4401903181	PCDB-12-90.0-20170814-FD	440-190318-17	FD19	8/14/2017	Soil	Stage 2B	X								X						X	X	X													
39682	4401903181	PCDB-5-50.0-20170815-EBTB	440-190318-18	TB	8/15/2017	Water	Stage 2A	X	X																												
39682	4401903181	PCDB-5-50.0-20170815-EB	440-190318-19	EB	8/15/2017	Water	Stage 2A	X	X													X	X	X													
39682	4401903181	PCDB-5-70.0-20170815-EB	440-190318-20	EB	8/15/2017	Water	Stage 2A	X	X													X	X	X													
39682	4401906751	PC-40-20170821-TB	440-190675-1	TB	8/21/2017	Water	Stage 2A	X	X																												
39682	4401906751	PC-40-20170821	440-190675-2		8/21/2017	Water	Stage 2A	X	X						X					X		X	X	X													
39682	4401907511	H-56A-20170822-TB	440-190751-1	TB	8/22/2017	Water	Stage 2A	X	X																												
39682	4401907511	H-56A-20170822	440-190751-2		8/22/2017	Water	Stage 2A	X	X						X					X		X	X	X													
39682	4401907511	H-48-20170822	440-190751-3		8/22/2017	Water	Stage 2A	X	X						X					X		X	X	X													
39682	4401907511	TR-12-20170822	440-190751-4		8/22/2017	Water	Stage 2A	X	X						X					X		X	X	X													
39682	4401907511	H-58A-20170822	440-190751-5		8/22/2017	Water	Stage 2A	X	X						X					X		X	X	X													
39682	4401907511	H-49A-20170822	440-190751-6	FD21	8/22/2017	Water	Stage 2A	X	X						X					X		X	X	X													
39682	4401907511	H-49A-20170822-FD	440-190751-7	FD21	8/22/2017	Water	Stage 2A	X	X						X					X		X	X	X													
39682	4401907511	MC-62-20170822	440-190751-8		8/22/2017	Water	Stage 2A	X	X						X					X		X	X	X													
39682	4401907511	MC-MW-36-20170822	440-190751-9		8/22/2017	Water	Stage 2A	X	X						X					X		X	X	X													
39682	4401908481	MC-61-20170823-TB	440-190848-1	TB	8/23/2017	Water	Stage 2A	X	X																												
39682	4401908481	MC-61-20170823	440-190848-2		8/23/2017	Water	Stage 2A	X	X						X					X		X	X	X													
39682	4401908481	MC-MW-37-20170823	440-190848-3		8/23/2017	Water	Stage 2A	X	X						X					X		X	X	X													
39682	4401908481	MC-65-20170823	440-190848-4		8/23/2017	Water	Stage 2A	X	X						X					X		X	X	X													
39682	4401908481	MC-66-20170823	440-190848-5		8/23/2017	Water	Stage 2A	X	X						X					X		X	X	X													
39682	4401908481	PC-73-20170823	440-190848-6		8/23/2017	Water	Stage 2A	X	X						X					X		X	X	X													
39682	4401908481	MC-63-20170823	440-190848-7		8/23/2017	Water	Stage 2A	X	X						X					X		X	X	X													
39682	4401909491	MC-MW-38-20170824-TB	440-190949-1	TB	8/24/2017	Water	Stage 2A	X	X																												
39682	4401909491	MC-MW-38-20170824	440-190949-2		8/24/2017	Water	Stage 2A	X	X						X					X		X	X	X													

Table I. Sample Cross-Reference

LDC	SDG	Client ID	Lab ID	QC Type	Sample Date	Matrix	Validation Level	VOC (8260B)	1,2,3-Trichloropropane & 1,4-Dioxane (8260BSIM)	SVOC (8270C)	PAH (8270CSIM)	Chlorinated Pesticides (8081A)	Aroclor-1260 (8082)	GRO (8015B)	PCDD/PCDF (8290)	Metals (200.7/200.8)	Metals (6010B)	Metals (6020A)	Mercury (7471A)	Hexavalent Cr (218.6)	Hexavalent Cr (7199)	Anions (300.0)	Chlorate (300.1B)	Perchlorate (314.0)	Total Phosphorus (365.3)	Alkalinity (2320B)	Specific Conductivity (2510B)	TDS (2540C)	Cyanide (4500-CN-E)	DOC (5310B)	Sulfide (9034)	pH (9040C)	Radium-226 (903.0)	Radium-228 (904.0)	Isotopic Thorium (A-01-R)	
39682	4401909491	PC-72-20170824	440-190949-3	FD22	8/24/2017	Water	Stage 2A	X	X							X				X		X	X	X				X								
39682	4401909491	PC-72-20170824-FD	440-190949-4	FD22	8/24/2017	Water	Stage 2A	X	X							X				X		X	X	X				X								
39682	4401909491	PC-71-20170824	440-190949-5		8/24/2017	Water	Stage 2A	X	X							X				X		X	X	X				X								
39682	4401909491	PC-71-20170824-EB	440-190949-6	EB	8/24/2017	Water	Stage 2A	X	X							X				X		X	X	X				X								
39682	4401909491	M-156-20170824	440-190949-7		8/24/2017	Water	Stage 2A	X	X							X				X		X	X	X				X								
39682	4401909491	M-152-20170824	440-190949-8		8/24/2017	Water	Stage 2A	X	X							X				X		X	X	X				X								
39682	4401909491	M-44-20170824	440-190949-9		8/24/2017	Water	Stage 2A	X	X							X				X		X	X	X				X								
39682	4401909491	PC-37-20170824	440-190949-10		8/24/2017	Water	Stage 2A	X	X							X				X		X	X	X				X								
39682	4401909491	PC-37-20170824-FB	440-190949-11	FB	8/24/2017	Water	Stage 2A	X	X																											
39682	4401909881	TR-12-20170825	440-190988-1		8/25/2017	Water	Stage 2A													X																
39682	4401909881	H-56A-20170825	440-190988-2		8/25/2017	Water	Stage 2A													X																
39682	4401909881	H-48-20170825	440-190988-3		8/25/2017	Water	Stage 2A													X																
39682	4401909881	PC-40-20170825	440-190988-4		8/25/2017	Water	Stage 2A									X				X																
39682	4401910761	PCDB-14-5.0-20170826-TB	440-191076-1	TB	8/26/2017	Soil	Stage 2B	X																												
39682	4401910761	PCDB-14-5.0-20170826	440-191076-2		8/26/2017	Soil	Stage 2B	X									X					X	X	X												
39682	4401910761	PCDB-14-10.0-20170826	440-191076-3		8/26/2017	Soil	Stage 2B	X									X					X	X	X												
39682	4401910761	PCDB-14-20.0-20170826	440-191076-4	FD24	8/26/2017	Soil	Stage 2B	X									X					X	X	X												
39682	4401910761	PCDB-14-20.0-20170826-FD	440-191076-5	FD24	8/26/2017	Soil	Stage 2B	X									X					X	X	X												
39682	4401910761	PCDB-14-30.0-20170826	440-191076-6		8/26/2017	Soil	Stage 2B	X									X					X	X	X												
39682	4401910761	PCDB-14-40.0-20170826	440-191076-7		8/26/2017	Soil	Stage 2B	X									X					X	X	X												
39682	4401910761	PCDB-14-50.0-20170826	440-191076-8	FD25	8/26/2017	Soil	Stage 2B	X									X					X	X	X												
39682	4401910761	PCDB-14-50.0-20170826-FD	440-191076-9	FD25	8/26/2017	Soil	Stage 2B	X									X					X	X	X												
39682	4401910761	PCDB-14-60.0-20170826	440-191076-10		8/26/2017	Soil	Stage 2B	X									X					X	X	X												
39682	4401910761	PCDB-14-70.0-20170826	440-191076-11		8/26/2017	Soil	Stage 2B	X									X					X	X	X												
39682	4401910761	PCDB-14-80.0-20170826	440-191076-12	FD23	8/26/2017	Soil	Stage 2B	X									X					X	X	X												
39682	4401910761	PCDB-14-80.0-20170826-FD	440-191076-13	FD23	8/26/2017	Soil	Stage 2B	X									X					X	X	X												
39682	4401910761	PCDB-14-90.0-20170826	440-191076-14		8/26/2017	Soil	Stage 2B	X									X					X	X	X												

Table I. Sample Cross-Reference

LDC	SDG	Client ID	Lab ID	QC Type	Sample Date	Matrix	Validation Level	VOC (8260B)	1,2,3-Trichloropropane & 1,4-Dioxane (8260BSIM)	SVOC (8270C)	PAH (8270CSIM)	Chlorinated Pesticides (8081A)	Aroclor-1260 (8082)	GRO (8015B)	PCDD/PCDF (8290)	Metals (200.7/200.8)	Metals (6010B)	Metals (6020A)	Mercury (7471A)	Hexavalent Cr (218.6)	Hexavalent Cr (7199)	Anions (300.0)	Chlorate (300.1B)	Perchlorate (314.0)	Total Phosphorus (365.3)	Alkalinity (2320B)	Specific Conductivity (2510B)	TDS (2540C)	Cyanide (4500-CN-E)	DOC (5310B)	Sulfide (9034)	pH (9040C)	Radium-226 (903.0)	Radium-228 (904.0)	Isotopic Thorium (A-01-R)	
39681	4401914941	M-237-20170905-TB	440-191494-1	TB	9/5/2017	Water	Stage 2A	X	X																											
39681	4401914941	M-237-20170905	440-191494-2		9/5/2017	Water	Stage 2A	X	X			X			X		X		X		X	X	X	X	X	X	X		X	X	X					
39681	4401914941	M-238-20170905	440-191494-3		9/5/2017	Water	Stage 2A	X	X			X			X		X		X		X	X	X	X	X	X	X		X	X	X					
39681	4401915841	M-234-20170906-TB	440-191584-1	TB	9/6/2017	Water	Stage 2A	X	X																											
39681	4401915841	M-234-20170906-FB	440-191584-2	FB	9/6/2017	Water	Stage 2A	X	X																											
39681	4401915841	M-234-20170906	440-191584-3		9/6/2017	Water	Stage 2A	X	X			X			X		X		X		X	X	X	X	X	X	X		X	X	X					
39681	4401915841	M-236-20170906	440-191584-4	FD26	9/6/2017	Water	Stage 2A	X	X			X			X		X		X		X	X	X	X	X	X	X		X	X	X					
39681	4401915841	M-236-20170906-FD	440-191584-5	FD26	9/6/2017	Water	Stage 2A	X	X			X			X		X		X		X	X	X	X	X	X	X		X	X	X					
39681	4401915841	M-205-20170906	440-191584-6		9/6/2017	Water	Stage 2A	X	X			X			X		X		X		X	X	X	X	X	X	X		X	X	X					
39681	4401915841	M-205-20170906-EB	440-191584-7	EB	9/6/2017	Water	Stage 2A	X	X			X			X		X		X		X	X	X	X	X	X	X		X	X	X					
39681	4401916911	M-206-20170907-TB	440-191691-1	TB	9/7/2017	Water	Stage 2A	X	X																											
39681	4401916911	M-206-20170907	440-191691-2		9/7/2017	Water	Stage 2A	X	X			X			X		X		X		X	X	X	X	X	X	X		X	X	X					
39681	4401916911	M-207-20170907	440-191691-3		9/7/2017	Water	Stage 2A	X	X			X			X		X		X		X	X	X	X	X	X	X		X	X	X					
39681	4401916911	M-208-20170907	440-191691-4		9/7/2017	Water	Stage 2A	X	X			X			X		X		X		X	X	X	X	X	X	X		X	X	X					
39681	4401916911	M-209-20170907	440-191691-5		9/7/2017	Water	Stage 2A	X	X			X			X		X		X		X	X	X	X	X	X	X		X	X	X					
39681	4401916911	M-210-20170907	440-191691-6		9/7/2017	Water	Stage 2A	X	X			X			X		X		X		X	X	X	X	X	X	X		X	X	X					
39681	4401916911	M-212-20170907	440-191691-7		9/7/2017	Water	Stage 2A	X	X			X			X		X		X		X	X	X	X	X	X	X		X	X	X					
39681	4401916911	M-213-20170907	440-191691-8		9/7/2017	Water	Stage 2A	X	X			X			X		X		X		X	X	X	X	X	X	X		X	X	X					
39681	4401917751	M-242-20170908-TB	440-191775-1	TB	9/8/2017	Water	Stage 2A	X	X																											
39681	4401917751	M-242-20170908	440-191775-2		9/8/2017	Water	Stage 2A	X	X			X			X		X		X		X	X	X	X	X	X	X		X	X	X					
39681	4401917751	M-243-20170908	440-191775-3	FD27	9/8/2017	Water	Stage 2A	X	X			X			X		X		X		X	X	X	X	X	X	X		X	X	X					
39681	4401917751	M-243-20170908-FD	440-191775-4	FD27	9/8/2017	Water	Stage 2A	X	X			X			X		X		X		X	X	X	X	X	X	X		X	X	X					
39681	4401917751	M-245-20170908	440-191775-5		9/8/2017	Water	Stage 2A	X	X			X			X		X		X		X	X	X	X	X	X	X		X	X	X					
39681	4401917752	M-242-20170908	440-191775-2		9/8/2017	Water	Stage 2A								X																					
39681	4401917752	M-243-20170908	440-191775-3	FD27	9/8/2017	Water	Stage 2A								X																					
39681	4401917752	M-243-20170908-FD	440-191775-4	FD27	9/8/2017	Water	Stage 2A								X																					
39681	4401917752	M-245-20170908	440-191775-5		9/8/2017	Water	Stage 2A								X																					

Table I. Sample Cross-Reference

LDC	SDG	Client ID	Lab ID	QC Type	Sample Date	Matrix	Validation Level	VOC (8260B)	1,2,3-Trichloropropane & 1,4-Dioxane (8260BSIM)	SVOC (8270C)	PAH (8270CSIM)	Chlorinated Pesticides (8081A)	Aroclor-1260 (8082)	GRO (8015B)	PCDD/PCDF (8290)	Metals (200.7/200.8)	Metals (6010B)	Metals (6020A)	Mercury (7471A)	Hexavalent Cr (218.6)	Hexavalent Cr (7199)	Anions (300.0)	Chlorate (300.1B)	Perchlorate (314.0)	Total Phosphorus (365.3)	Alkalinity (2320B)	Specific Conductivity (2510B)	TDS (2540C)	Cyanide (4500-CN-E)	DOC (5310B)	Sulfide (9034)	pH (9040C)	Radium-226 (903.0)	Radium-228 (904.0)	Isotopic Thorium (A-01-R)	
39681	4401918001	M-246-20170908-TB	440-191800-1	TB	9/8/2017	Water	Stage 2A	X	X																											
39681	4401918001	M-246-20170908	440-191800-2		9/8/2017	Water	Stage 2A	X	X				X		X		X		X		X		X	X	X	X	X	X		X	X	X				
39681	4401918002	M-246-20170908	440-191800-2		9/8/2017	Water	Stage 2A								X																					
39681	4401919071	M-229-20170911-TB	440-191907-1	TB	9/11/2017	Water	Stage 2A	X	X																											
39681	4401919071	M-229-20170911	440-191907-2		9/11/2017	Water	Stage 2A	X	X				X		X		X		X		X		X	X	X	X	X	X		X	X	X				
39681	4401919071	PC-170-20170911	440-191907-3		9/11/2017	Water	Stage 2A	X	X						X				X		X		X	X	X	X	X	X		X	X	X				
39681	4401919071	PC-173-20170911	440-191907-4	FD28	9/11/2017	Water	Stage 2A	X	X						X				X		X		X	X	X	X	X	X		X	X	X				
39681	4401919071	PC-173-20170911-FD	440-191907-5	FD28	9/11/2017	Water	Stage 2A	X	X						X				X		X		X	X	X	X	X	X		X	X	X				
39681	4401919791	PC-180-20170912-TB	440-191979-1	TB	9/12/2017	Water	Stage 2A	X	X																											
39681	4401919791	PC-180-20170912	440-191979-2		9/12/2017	Water	Stage 2A	X	X						X				X		X		X	X	X	X	X	X		X	X	X				
39681	4401919791	PC-181-20170912	440-191979-3		9/12/2017	Water	Stage 2A	X	X						X				X		X		X	X	X	X	X	X		X	X	X				
39681	4401919791	PC-182-20170912	440-191979-4		9/12/2017	Water	Stage 2A	X	X						X				X		X		X	X	X	X	X	X		X	X	X				
39681	4401919791	PC-183-20170912	440-191979-5		9/12/2017	Water	Stage 2A	X	X						X				X		X		X	X	X	X	X	X		X	X	X				
39681	4401920091	PC-184-20170912-TB	440-192009-1	TB	9/12/2017	Water	Stage 2A	X	X																											
39681	4401920091	PC-184-20170912-FB	440-192009-2	FB	9/12/2017	Water	Stage 2A	X	X						X				X		X		X	X	X	X	X	X		X	X	X				
39681	4401920091	PC-184-20170912	440-192009-3		9/12/2017	Water	Stage 2A	X	X						X				X		X		X	X	X	X	X	X		X	X	X				
39681	4401920091	PC-185-20170912	440-192009-4		9/12/2017	Water	Stage 2A	X	X						X				X		X		X	X	X	X	X	X		X	X	X				
39681	4401920091	PC-187-20170912	440-192009-5		9/12/2017	Water	Stage 2A	X	X						X				X		X		X	X	X	X	X	X		X	X	X				
39681	4401921061	M-230-20170913-TB	440-192106-1	TB	9/13/2017	Water	Stage 2A	X	X																											
39681	4401921061	M-230-20170913	440-192106-2		9/13/2017	Water	Stage 2A	X	X				X		X				X		X		X	X	X	X	X	X		X	X	X				
39681	4401921061	PC-161-20170913	440-192106-3		9/13/2017	Water	Stage 2A	X	X						X				X		X		X	X	X	X	X	X		X	X	X				
39681	4401921061	PC-162-20170913-EB	440-192106-4	EB	9/13/2017	Water	Stage 2A	X	X						X				X		X		X	X	X	X	X	X		X	X	X				
39681	4401921061	PC-162-20170913	440-192106-5		9/13/2017	Water	Stage 2A	X	X						X				X		X		X	X	X	X	X	X		X	X	X				
39681	4401921141	PC-193-20170913-TB	440-192114-1	TB	9/13/2017	Water	Stage 2A	X	X																											
39681	4401921141	PC-193-20170913	440-192114-2		9/13/2017	Water	Stage 2A	X	X						X				X		X		X	X	X	X	X	X		X	X	X				
39681	4401921141	M-211-20170913	440-192114-3		9/13/2017	Water	Stage 2A	X	X				X		X				X		X		X	X	X	X	X	X		X	X	X				
39681	4401921142	M-211-20170913	440-192114-3		9/13/2017	Water	Stage 2A								X																					

Table I. Sample Cross-Reference

LDC	SDG	Client ID	Lab ID	QC Type	Sample Date	Matrix	Validation Level	VOC (8260B)	1,2,3-Trichloropropane & 1,4-Dioxane (8260BSIM)	SVOC (8270C)	PAH (8270CSIM)	Chlorinated Pesticides (8081A)	Aroclor-1260 (8082)	GRO (8015B)	PCDD/PCDF (8290)	Metals (200.7/200.8)	Metals (6010B)	Metals (6020A)	Mercury (7471A)	Hexavalent Cr (218.6)	Hexavalent Cr (7199)	Anions (300.0)	Chlorate (300.1B)	Perchlorate (314.0)	Total Phosphorus (365.3)	Alkalinity (2320B)	Specific Conductivity (2510B)	TDS (2540C)	Cyanide (4500-CN-E)	DOC (5310B)	Sulfide (9034)	pH (9040C)	Radium-226 (903.0)	Radium-228 (904.0)	Isotopic Thorium (A-01-R)				
39681	4401922171	M-235-20170914-TB	440-192217-1	TB	9/14/2017	Water	Stage 2A	X	X																														
39681	4401922171	M-235-20170914	440-192217-2		9/14/2017	Water	Stage 2A	X	X				X		X		X		X		X	X	X	X	X	X	X	X	X	X	X	X	X	X					
39681	4401922171	PC-163-20170914	440-192217-3		9/14/2017	Water	Stage 2A	X	X						X					X		X	X	X	X	X	X	X	X	X	X	X	X	X	X				
39681	4401922531	PC-166-20170914-TB	440-192253-1	TB	9/14/2017	Water	Stage 2A	X	X																														
39681	4401922531	PC-166-20170914	440-192253-2		9/14/2017	Water	Stage 2A	X	X						X					X		X	X	X	X	X	X	X	X	X	X	X	X	X	X				
39681	4401922531	PC-169-20170914	440-192253-3		9/14/2017	Water	Stage 2A	X	X						X					X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
39681	4401923381	PC-171-20170915-TB	440-192338-1	TB	9/15/2017	Water	Stage 2A	X	X																														
39681	4401923381	PC-171-20170915	440-192338-2		9/15/2017	Water	Stage 2A	X	X						X					X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
39681	4401923381	PC-167-20170915	440-192338-3		9/15/2017	Water	Stage 2A	X	X						X					X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
39681	4401923381	PC-175-20170915	440-192338-4		9/15/2017	Water	Stage 2A	X	X						X					X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
39681	4401925701	PCDB-9-20.0-20170919-TB	440-192570-1	TB	9/19/2017	Soil	Stage 4	X																															
39681	4401925701	PCDB-9-20.0-20170919	440-192570-2		9/19/2017	Soil	Stage 4	X									X					X	X	X															
39681	4401925701	PCDB-9-30.0-20170919	440-192570-3	FD30	9/19/2017	Soil	Stage 4	X									X					X	X	X															
39681	4401925701	PCDB-9-30.0-20170919-FD	440-192570-4	FD30	9/19/2017	Soil	Stage 4	X									X					X	X	X															
39681	4401925701	PCDB-9-40.0-20170919	440-192570-5		9/19/2017	Soil	Stage 4	X									X					X	X	X															
39681	4401925701	PCDB-9-50.0-20170919	440-192570-6		9/19/2017	Soil	Stage 4	X									X					X	X	X															
39681	4401925701	PCDB-9-60.0-20170919	440-192570-7		9/19/2017	Soil	Stage 4	X									X					X	X	X															
39681	4401925701	PCDB-9-70.0-20170919	440-192570-8		9/19/2017	Soil	Stage 4	X									X					X	X	X															
39681	4401925701	PCDB-9-80.0-20170919	440-192570-9	FD29	9/19/2017	Soil	Stage 4	X									X					X	X	X															
39681	4401925701	PCDB-9-80.0-20170919-FD	440-192570-10	FD29	9/19/2017	Soil	Stage 4	X									X					X	X	X															
39681	4401925701	PCDB-9-90.0-20170919	440-192570-11		9/19/2017	Soil	Stage 4	X									X					X	X	X															
39681	4401926281	PCDB-8-5.0-20170920-TB	440-192628-1	TB	9/20/2017	Soil	Stage 2B	X																															
39681	4401926281	PCDB-8-5.0-20170920	440-192628-2		9/20/2017	Soil	Stage 2B	X									X					X	X	X															
39681	4401926281	PCDB-8-10.0-20170920	440-192628-3		9/20/2017	Soil	Stage 2B	X									X					X	X	X															
39681	4401926281	PCDB-8-20.0-20170920	440-192628-4	FD31	9/20/2017	Soil	Stage 2B	X									X					X	X	X															
39681	4401926281	PCDB-8-20.0-20170920-FD	440-192628-5	FD31	9/20/2017	Soil	Stage 2B	X									X					X	X	X															
39681	4401926281	PCDB-8-30.0-20170920	440-192628-6		9/20/2017	Soil	Stage 2B	X									X					X	X	X															

Table I. Sample Cross-Reference

LDC	SDG	Client ID	Lab ID	QC Type	Sample Date	Matrix	Validation Level	VOC (8260B)	1,2,3-Trichloropropane & 1,4-Dioxane (8260BSIM)	SVOC (8270C)	PAH (8270CSIM)	Chlorinated Pesticides (8081A)	Aroclor-1260 (8082)	GRO (8015B)	PCDD/PCDF (8290)	Metals (200.7/200.8)	Metals (6010B)	Metals (6020A)	Mercury (7471A)	Hexavalent Cr (218.6)	Hexavalent Cr (7199)	Anions (300.0)	Chlorate (300.1B)	Perchlorate (314.0)	Total Phosphorus (365.3)	Alkalinity (2320B)	Specific Conductivity (2510B)	TDS (2540C)	Cyanide (4500-CN-E)	DOC (5310B)	Sulfide (9034)	pH (9040C)	Radium-226 (903.0)	Radium-228 (904.0)	Isotopic Thorium (A-01-R)	
39681	4401926281	PCDB-8-40.0-20170920	440-192628-7		9/20/2017	Soil	Stage 2B	X								X						X	X	X												
39681	4401926281	PCDB-8-50.0-20170920-EBTB	440-192628-8	TB	9/20/2017	Water	Stage 2A	X	X																											
39681	4401926281	PCDB-8-50.0-20170920-EB	440-192628-9	EB	9/20/2017	Water	Stage 2A	X	X							X						X	X	X												
39681	4401926281	PCDB-8-50.0-20170920	440-192628-10		9/20/2017	Soil	Stage 2B	X								X						X	X	X												
39681	4401926281	PCDB-8-60.0-20170920	440-192628-11		9/20/2017	Soil	Stage 2B	X								X						X	X	X												
39681	4401926281	PCDB-8-70.0-20170920	440-192628-12		9/20/2017	Soil	Stage 2B	X								X						X	X	X												
39681	4401926281	PCDB-8-80.0-20170920	440-192628-13		9/20/2017	Soil	Stage 2B	X								X						X	X	X												
39681	4401926281	PCDB-8-90.0-20170920	440-192628-14		9/20/2017	Soil	Stage 2B	X								X						X	X	X												
39681	4401928971	PC-177-20170925-TB	440-192897-1	TB	9/25/2017	Water	Stage 2A	X	X																											
39681	4401928971	PC-177-20170925	440-192897-2		9/25/2017	Water	Stage 2A	X	X						X				X		X	X	X	X	X	X	X	X	X	X	X	X	X	X		
39681	4401928971	PC-164-20170925	440-192897-3		9/25/2017	Water	Stage 2A	X	X						X				X		X	X	X	X	X	X	X	X	X	X	X	X	X	X		
39681	4401928971	M-55-20170925-EB	440-192897-4	EB	9/25/2017	Water	Stage 2A																										X			
39681	4401928971	M-55-20170925-FB	440-192897-5	FB	9/25/2017	Water	Stage 2A																										X			
39681	4401928971	M-55-20170925-FD	440-192897-6	FD32	9/25/2017	Water	Stage 2A																										X			
39681	4401928971	M-55-20170925	440-192897-7	FD32	9/25/2017	Water	Stage 2A																										X			
39681	4401929691	M-204-20170926-TB	440-192969-1	TB	9/26/2017	Water	Stage 2A	X	X																											
39681	4401929691	M-204-20170926	440-192969-2		9/26/2017	Water	Stage 2A	X	X				X			X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
39681	4401929691	PC-174-20170926	440-192969-3		9/26/2017	Water	Stage 2A	X	X						X				X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
39681	4401929692	M-204-20170926	440-192969-2		9/26/2017	Water	Stage 2A								X																					
39681	4401930601	PC-194-20170927-TB	440-193060-1	TB	9/27/2017	Water	Stage 2A	X	X																											
39681	4401930601	PC-194-20170927	440-193060-2	FD33	9/27/2017	Water	Stage 2A	X	X						X				X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
39681	4401930601	PC-194-20170927-FD	440-193060-3	FD33	9/27/2017	Water	Stage 2A	X	X						X				X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
39681	4401930601	PC-190-20170927	440-193060-4		9/27/2017	Water	Stage 2A	X	X						X				X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
39681	4401930601	PC-186-20170927	440-193060-5		9/27/2017	Water	Stage 2A	X	X						X				X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
39681	4401930601	M-226-20170927	440-193060-6		9/27/2017	Water	Stage 2A	X	X				X		X		X		X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
39681	4401930601	M-227-20170927	440-193060-7		9/27/2017	Water	Stage 2A	X	X				X		X		X		X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
39681	4401931581	M-135-20170928-TB	440-193158-1	TB	9/28/2017	Water	Stage 2A	X	X																											

Table I. Sample Cross-Reference

LDC	SDG	Client ID	Lab ID	QC Type	Sample Date	Matrix	Validation Level	VOC (8260B)	1,2,3-Trichloropropane & 1,4-Dioxane (8260BSIM)	SVOC (8270C)	PAH (8270CSIM)	Chlorinated Pesticides (8081A)	Aroclor-1260 (8082)	GRO (8015B)	PCDD/PCDF (8290)	Metals (200.7/200.8)	Metals (6010B)	Metals (6020A)	Mercury (7471A)	Hexavalent Cr (218.6)	Hexavalent Cr (7199)	Anions (300.0)	Chlorate (300.1B)	Perchlorate (314.0)	Total Phosphorus (365.3)	Alkalinity (2320B)	Specific Conductivity (2510B)	TDS (2540C)	Cyanide (4500-CN-E)	DOC (5310B)	Sulfide (9034)	pH (9040C)	Radium-226 (903.0)	Radium-228 (904.0)	Isotopic Thorium (A-01-R)		
39681	4401931581	M-244-20170928	440-193158-2		9/28/2017	Water	Stage 2A	X	X			X			X		X		X		X	X	X	X	X	X	X	X	X	X	X	X					
39681	4401931581	M-232-20170928	440-193158-3		9/28/2017	Water	Stage 2A	X	X			X			X		X		X		X	X	X	X	X	X	X	X	X	X	X	X	X				
39681	4401931581	M-231-20170928	440-193158-4		9/28/2017	Water	Stage 2A	X	X			X			X		X		X		X	X	X	X	X	X	X	X	X	X	X	X	X				
39681	4401931582	M-244-20170928	440-193158-2		9/28/2017	Water	Stage 2A								X																						
39681	4401931582	M-135-20170928	440-193158-5		9/28/2017	Water	Stage 2A								X																						
39681	4401931582	M-79-20170928	440-193158-6		9/28/2017	Water	Stage 2A								X																						
39681	4401932261	PC-165-20170929-TB	440-193226-1	TB	9/29/2017	Water	Stage 2A	X	X																												
39681	4401932261	PC-165-20170929-FB	440-193226-2	FB	9/29/2017	Water	Stage 2A	X	X						X					X		X	X	X	X	X	X	X	X	X	X	X	X	X			
39681	4401932261	PC-165-20170929	440-193226-3		9/29/2017	Water	Stage 2A	X	X						X					X		X	X	X	X	X	X	X	X	X	X	X	X	X			
39681	4401932261	PC-192-20170929	440-193226-4		9/29/2017	Water	Stage 2A	X	X						X					X		X	X	X	X	X	X	X	X	X	X	X	X	X			
39681	4401932261	PC-188-20170929	440-193226-5		9/29/2017	Water	Stage 2A	X	X						X					X		X	X	X	X	X	X	X	X	X	X	X	X	X			
39914	4401938701	PC-189-20171009-TB	440-193870-1	TB	10/9/2017	Water	Stage 2A	X	X																												
39914	4401938701	PC-189-20171009	440-193870-2		10/9/2017	Water	Stage 2A	X	X						X					X		X	X	X	X	X	X	X	X	X	X	X	X	X			
39914	4401938701	PC-179-20171009	440-193870-3		10/9/2017	Water	Stage 2A	X	X						X					X		X	X	X	X	X	X	X	X	X	X	X	X	X	X		
39914	4401939261	SWF-01-0.5-20171007	440-193926-1		10/7/2017	Soil	Stage 2B																	X													
39914	4401939261	SWF-05-1.5-20171007	440-193926-10		10/7/2017	Soil	Stage 2B																	X													
39914	4401939261	SWF-06-0.5-20171007	440-193926-11		10/7/2017	Soil	Stage 2B																	X													
39914	4401939261	SWF-06-1.5-20171007	440-193926-12		10/7/2017	Soil	Stage 2B																	X													
39914	4401939261	SWF-07-0.5-20171007	440-193926-13		10/7/2017	Soil	Stage 2B																	X													
39914	4401939261	SWF-07-1.5-20171007	440-193926-14		10/7/2017	Soil	Stage 2B																	X													
39914	4401939261	SWF-08-0.5-20171007	440-193926-15		10/7/2017	Soil	Stage 2B																	X													
39914	4401939261	SWF-08-1.5-20171007	440-193926-16		10/7/2017	Soil	Stage 2B																	X													
39914	4401939261	SWF-09-0.5-20171007	440-193926-17		10/7/2017	Soil	Stage 2B																	X													
39914	4401939261	SWF-09-1.5-20171007	440-193926-18		10/7/2017	Soil	Stage 2B																	X													
39914	4401939261	SWF-10-0.5-20171007	440-193926-19		10/7/2017	Soil	Stage 2B																	X													
39914	4401939261	SWF-01-1.5-20171007	440-193926-2		10/7/2017	Soil	Stage 2B																	X													
39914	4401939261	SWF-10-1.5-20171007	440-193926-20		10/7/2017	Soil	Stage 2B																	X													



Table I. Sample Cross-Reference

LDC	SDG	Client ID	Lab ID	QC Type	Sample Date	Matrix	Validation Level	VOC (8260B)	1,2,3-Trichloropropane & 1,4-Dioxane (8260BSIM)	SVOC (8270C)	PAH (8270CSIM)	Chlorinated Pesticides (8081A)	Aroclor-1260 (8082)	GRO (8015B)	PCDD/PCDF (8290)	Metals (200.7/200.8)	Metals (6010B)	Metals (6020A)	Mercury (7471A)	Hexavalent Cr (218.6)	Hexavalent Cr (7199)	Anions (300.0)	Chlorate (300.1B)	Perchlorate (314.0)	Total Phosphorus (365.3)	Alkalinity (2320B)	Specific Conductivity (2510B)	TDS (2540C)	Cyanide (4500-CN-E)	DOC (5310B)	Sulfide (9034)	pH (9040C)	Radium-226 (903.0)	Radium-228 (904.0)	Isotopic Thorium (A-01-R)					
39914	4401939261	SWF-02-0.5-20171007	440-193926-3		10/7/2017	Soil	Stage 2B																	X																
39914	4401939261	SWF-02-1.5-20171007	440-193926-4		10/7/2017	Soil	Stage 2B																	X																
39914	4401939261	SWF-03-0.5-20171007	440-193926-5		10/7/2017	Soil	Stage 2B																	X																
39914	4401939261	SWF-03-1.5-20171007	440-193926-6		10/7/2017	Soil	Stage 2B																	X																
39914	4401939261	SWF-04-0.5-20171007	440-193926-7		10/7/2017	Soil	Stage 2B																	X																
39914	4401939261	SWF-04-1.5-20171007	440-193926-8		10/7/2017	Soil	Stage 2B																	X																
39914	4401939261	SWF-05-0.5-20171007	440-193926-9		10/7/2017	Soil	Stage 2B																	X																
39914	4401939881	PC-191-20171010-TB	440-193988-1	TB	10/10/2017	Water	Stage 2A	X	X																															
39914	4401939881	PC-191-20171010	440-193988-2		10/10/2017	Water	Stage 2A	X	X						X					X		X	X	X	X	X	X	X	X	X	X	X	X	X	X					
39914	4401939881	PC-195-20171010	440-193988-3		10/10/2017	Water	Stage 2A	X	X						X					X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
39914	4401939881	PC-196-20171010	440-193988-4		10/10/2017	Water	Stage 2A	X	X						X					X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
39914	4401941071	PC-197-20171011-TB	440-194107-1	TB	10/11/2017	Water	Stage 2A	X	X																															
39914	4401941071	PC-197-20171011	440-194107-2		10/11/2017	Water	Stage 2A	X	X						X					X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
39914	4401941071	PC-178-20171011	440-194107-3	FD34	10/11/2017	Water	Stage 2A	X	X						X					X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
39914	4401941071	PC-178-20171011-FD	440-194107-4	FD34	10/11/2017	Water	Stage 2A	X	X						X					X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
39914	4401941071	M-225-20171011	440-194107-5		10/11/2017	Water	Stage 2A	X	X				X		X		X			X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
39914	4401941071	M-223-20171011	440-194107-6		10/11/2017	Water	Stage 2A	X	X				X		X		X			X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
39914	4401941071	M-93-20171011	440-194107-7		10/11/2017	Water	Stage 2A	X	X				X		X		X			X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
39914	4401941941	M-196-20171012-TB	440-194194-1	TB	10/12/2017	Water	Stage 2A	X	X																															
39914	4401941941	M-196-20171012	440-194194-2		10/12/2017	Water	Stage 2A	X	X				X		X		X			X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
39914	4401941941	M-198-20171012	440-194194-3		10/12/2017	Water	Stage 2A	X	X									X		X																				
39914	4401941941	M-199-20171012	440-194194-4		10/12/2017	Water	Stage 2A	X	X									X		X																				
39914	4401941941	M-200-20171012	440-194194-5		10/12/2017	Water	Stage 2A	X	X									X		X																				
39914	4401942191	M-198-20171012	440-194219-1		10/12/2017	Water	Stage 2A						X		X							X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
39914	4401942191	M-199-20171012	440-194219-2		10/12/2017	Water	Stage 2A						X		X							X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
39914	4401942191	M-200-20171012	440-194219-3		10/12/2017	Water	Stage 2A						X		X							X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
39914	4401942821	M-83D-20171013-TB	440-194282-1	TB	10/13/2017	Water	Stage 2A	X	X																															

Table I. Sample Cross-Reference

LDC	SDG	Client ID	Lab ID	QC Type	Sample Date	Matrix	Validation Level	VOC (8260B)	1,2,3-Trichloropropane & 1,4-Dioxane (8260BSIM)	SVOC (8270C)	PAH (8270CSIM)	Chlorinated Pesticides (8081A)	Aroclor-1260 (8082)	GRO (8015B)	PCDD/PCDF (8290)	Metals (200.7/200.8)	Metals (6010B)	Metals (6020A)	Mercury (7471A)	Hexavalent Cr (218.6)	Hexavalent Cr (7199)	Anions (300.0)	Chlorate (300.1B)	Perchlorate (314.0)	Total Phosphorus (365.3)	Alkalinity (2320B)	Specific Conductivity (2510B)	TDS (2540C)	Cyanide (4500-CN-E)	DOC (5310B)	Sulfide (9034)	pH (9040C)	Radium-226 (903.0)	Radium-228 (904.0)	Isotopic Thorium (A-01-R)	
39914	4401942821	M-83D-20171013	440-194282-2		10/13/2017	Water	Stage 2A	X	X				X			X		X		X		X	X	X	X	X	X		X	X	X					
39914	4401942821	M-216-20171013	440-194282-3		10/13/2017	Water	Stage 2A	X	X									X		X																
39914	4401942821	M-217-20171013	440-194282-4		10/13/2017	Water	Stage 2A	X	X									X		X																
39914	4401942821	M-218-20171013	440-194282-5		10/13/2017	Water	Stage 2A	X	X									X		X																
39914	4401942821	M-220-20171013	440-194282-6		10/13/2017	Water	Stage 2A	X	X									X		X																
39914	4401943011	M-216-20171013	440-194301-1		10/13/2017	Water	Stage 2A						X			X						X	X	X	X	X	X	X		X	X	X				
39914	4401943011	M-217-20171013	440-194301-2		10/13/2017	Water	Stage 2A						X			X						X	X	X	X	X	X	X		X	X	X				
39914	4401943011	M-218-20171013	440-194301-3		10/13/2017	Water	Stage 2A						X			X						X	X	X	X	X	X	X		X	X	X				
39914	4401943011	M-220-20171013	440-194301-4		10/13/2017	Water	Stage 2A						X			X						X	X	X	X	X	X	X		X	X	X				
39914	4401943811	M-239-20171016-TB	440-194381-1	TB	10/16/2017	Water	Stage 2A	X	X																											
39914	4401943811	M-239-20171016	440-194381-2		10/16/2017	Water	Stage 2A	X	X											X																
39914	4401943811	M-240-20171016	440-194381-3		10/16/2017	Water	Stage 2A	X	X											X																
39914	4401943811	M-21D-20171016	440-194381-4		10/16/2017	Water	Stage 2A	X	X											X																
39914	4401943811	M-233-20171016	440-194381-5		10/16/2017	Water	Stage 2A	X	X											X																
39914	4401943811	M-233-20171016-FB	440-194381-6	FB	10/16/2017	Water	Stage 2A	X	X											X																
39914	4401943811	M-66D-20171016	440-194381-7		10/16/2017	Water	Stage 2A	X	X											X																
39914	4401944041	M-239-20171016	440-194404-1		10/16/2017	Water	Stage 2A						X			X		X				X	X	X	X	X	X	X		X	X	X				
39914	4401944041	M-240-20171016	440-194404-2		10/16/2017	Water	Stage 2A						X			X		X				X	X	X	X	X	X	X		X	X	X				
39914	4401944041	M-21D-20171016	440-194404-3		10/16/2017	Water	Stage 2A						X			X		X				X	X	X	X	X	X	X		X	X	X				
39914	4401944041	M-233-20171016	440-194404-4		10/16/2017	Water	Stage 2A						X			X		X				X	X	X	X	X	X	X		X	X	X				
39914	4401944041	M-233-20171016-FB	440-194404-5	FB	10/16/2017	Water	Stage 2A						X			X		X				X	X	X	X	X	X	X		X	X	X				
39914	4401944041	M-66D-20171016	440-194404-6		10/16/2017	Water	Stage 2A						X			X		X				X	X	X	X	X	X	X		X	X	X				
39914	4401944042	M-21D-20171016	440-194404-3		10/16/2017	Water	Stage 2A								X																					
39914	4401944611	M-149-20171017	440-194461-1		10/17/2017	Water	Stage 2A	X	X											X																
39914	4401944621	M-224-20171017	440-194462-1		10/17/2017	Water	Stage 2A	X	X											X																
39914	4401944631	M-22D-20171017-TB	440-194463-1	TB	10/17/2017	Water	Stage 2A	X	X																											
39914	4401944631	M-22D-20171017	440-194463-2		10/17/2017	Water	Stage 2A	X	X											X																

Table I. Sample Cross-Reference

LDC	SDG	Client ID	Lab ID	QC Type	Sample Date	Matrix	Validation Level	VOC (8260B)	1,2,3-Trichloropropane & 1,4-Dioxane (8260BSIM)	SVOC (8270C)	PAH (8270CSIM)	Chlorinated Pesticides (8081A)	Aroclor-1260 (8082)	GRO (8015B)	PCDD/PCDF (8290)	Metals (200.7/200.8)	Metals (6010B)	Metals (6020A)	Mercury (7471A)	Hexavalent Cr (218.6)	Hexavalent Cr (7199)	Anions (300.0)	Chlorate (300.1B)	Perchlorate (314.0)	Total Phosphorus (365.3)	Alkalinity (2320B)	Specific Conductivity (2510B)	TDS (2540C)	Cyanide (4500-CN-E)	DOC (5310B)	Sulfide (9034)	pH (9040C)	Radium-226 (903.0)	Radium-228 (904.0)	Isotopic Thorium (A-01-R)		
39914	4401944631	M-65D-20171017	440-194463-3		10/17/2017	Water	Stage 2A	X	X											X																	
39914	4401944631	M-221-20171017	440-194463-4		10/17/2017	Water	Stage 2A	X	X											X																	
39914	4401944631	M-222-20171017	440-194463-5		10/17/2017	Water	Stage 2A	X	X											X																	
39914	4401944651	M-214-20171017-TB	440-194465-1	TB	10/17/2017	Water	Stage 2A	X	X																												
39914	4401944651	M-214-20171017	440-194465-2		10/17/2017	Water	Stage 2A	X	X											X																	
39914	4401944651	M-214-20171017-EB	440-194465-3	EB	10/17/2017	Water	Stage 2A	X	X											X																	
39914	4401944651	M-197-20171017	440-194465-4		10/17/2017	Water	Stage 2A	X	X											X																	
39914	4401944651	M-195-20171017	440-194465-5		10/17/2017	Water	Stage 2A	X	X											X																	
39914	4401944681	M-149-20171017	440-194468-1		10/17/2017	Water	Stage 2A						X		X	X						X	X	X	X	X	X	X	X	X	X	X	X	X			
39914	4401944701	M-224-20171017	440-194470-1		10/17/2017	Water	Stage 2A						X		X	X						X	X	X	X	X	X	X	X	X	X	X	X	X			
39914	4401944721	M-22D-20171017	440-194472-1		10/17/2017	Water	Stage 2A						X		X	X						X	X	X	X	X	X	X	X	X	X	X	X	X			
39914	4401944721	M-65D-20171017	440-194472-2		10/17/2017	Water	Stage 2A						X		X	X						X	X	X	X	X	X	X	X	X	X	X	X	X			
39914	4401944721	M-221-20171017	440-194472-3		10/17/2017	Water	Stage 2A						X		X	X						X	X	X	X	X	X	X	X	X	X	X	X	X			
39914	4401944721	M-222-20171017	440-194472-4		10/17/2017	Water	Stage 2A						X		X	X						X	X	X	X	X	X	X	X	X	X	X	X	X	X		
39914	4401944741	M-214-20171017	440-194474-1		10/17/2017	Water	Stage 2A						X		X	X						X	X	X	X	X	X	X	X	X	X	X	X	X	X		
39914	4401944741	M-214-20171017-EB	440-194474-2	EB	10/17/2017	Water	Stage 2A						X		X	X						X	X	X	X	X	X	X	X	X	X	X	X	X	X		
39914	4401944741	M-197-20171017	440-194474-3		10/17/2017	Water	Stage 2A						X		X	X						X	X	X	X	X	X	X	X	X	X	X	X	X	X		
39914	4401944741	M-195-20171017	440-194474-4		10/17/2017	Water	Stage 2A						X		X	X						X	X	X	X	X	X	X	X	X	X	X	X	X	X		
39914	4401945661	M-36D-20171018-TB	440-194566-1	TB	10/18/2017	Water	Stage 2A	X	X																												
39914	4401945661	M-36D-20171018	440-194566-2		10/18/2017	Water	Stage 2A	X	X											X																	
39914	4401945661	M-72D-20171018	440-194566-3		10/18/2017	Water	Stage 2A	X	X											X																	
39914	4401945661	M-140D-20171018	440-194566-4		10/18/2017	Water	Stage 2A	X	X											X																	
39914	4401945661	M-14D-20171018	440-194566-5		10/18/2017	Water	Stage 2A	X	X											X																	
39914	4401945691	M-36D-20171018	440-194569-1		10/18/2017	Water	Stage 2A						X		X	X						X	X	X	X	X	X	X	X	X	X	X	X	X	X		
39914	4401945691	M-72D-20171018	440-194569-2		10/18/2017	Water	Stage 2A						X		X	X						X	X	X	X	X	X	X	X	X	X	X	X	X	X		
39914	4401945691	M-140D-20171018	440-194569-3		10/18/2017	Water	Stage 2A						X		X	X						X	X	X	X	X	X	X	X	X	X	X	X	X	X		
39914	4401945691	M-14D-20171018	440-194569-4		10/18/2017	Water	Stage 2A						X		X	X						X	X	X	X	X	X	X	X	X	X	X	X	X	X		

Table I. Sample Cross-Reference

LDC	SDG	Client ID	Lab ID	QC Type	Sample Date	Matrix	Validation Level	VOC (8260B)	1,2,3-Trichloropropane & 1,4-Dioxane (8260BSIM)	SVOC (8270C)	PAH (8270CSIM)	Chlorinated Pesticides (8081A)	Aroclor-1260 (8082)	GRO (8015B)	PCDD/PCDF (8290)	Metals (200.7/200.8)	Metals (6010B)	Metals (6020A)	Mercury (7471A)	Hexavalent Cr (218.6)	Hexavalent Cr (7199)	Anions (300.0)	Chlorate (300.1B)	Perchlorate (314.0)	Total Phosphorus (365.3)	Alkalinity (2320B)	Specific Conductivity (2510B)	TDS (2540C)	Cyanide (4500-CN-E)	DOC (5310B)	Sulfide (9034)	pH (9040C)	Radium-226 (903.0)	Radium-228 (904.0)	Isotopic Thorium (A-01-R)				
39914	4401946581	M-228-20171019	440-194658-1		10/19/2017	Water	Stage 2A	X	X											X																			
39914	4401946581	M-228-20171019-TB	440-194658-2	TB	10/19/2017	Water	Stage 2A	X	X																														
39914	4401946611	PC-153R-20171019	440-194661-1		10/19/2017	Water	Stage 2A	X	X											X																			
39914	4401946611	M-201-20171019	440-194661-2		10/19/2017	Water	Stage 2A	X	X									X		X																			
39914	4401946641	PC-155A-20171019-TB	440-194664-1	TB	10/19/2017	Water	Stage 2A	X	X																														
39914	4401946641	PC-155A-20171019	440-194664-2	FD35	10/19/2017	Water	Stage 2A	X	X											X																			
39914	4401946641	PC-155A-20171019-FD	440-194664-3	FD35	10/19/2017	Water	Stage 2A	X	X											X																			
39914	4401946641	PC-155B-20171019	440-194664-4		10/19/2017	Water	Stage 2A	X	X											X																			
39914	4401946641	PC-156A-20171019	440-194664-5		10/19/2017	Water	Stage 2A	X	X											X																			
39914	4401946641	PC-156B-20171019	440-194664-6		10/19/2017	Water	Stage 2A	X	X											X																			
39914	4401946971	M-228-20171019	440-194697-1		10/19/2017	Water	Stage 2A						X			X		X				X	X	X	X	X	X	X	X	X	X	X	X	X	X				
40189	4401947001	PC-155A-20171019	440-194700-1	FD35	10/19/2017	Water	Stage 2A						X			X		X				X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
40189	4401947001	PC-155A-20171019-FD	440-194700-2	FD35	10/19/2017	Water	Stage 2A						X			X		X				X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
40189	4401947001	PC-155B-20171019	440-194700-3		10/19/2017	Water	Stage 2A						X			X		X				X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
40189	4401947001	PC-156A-20171019	440-194700-4		10/19/2017	Water	Stage 2A						X			X		X				X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
40189	4401947001	PC-156B-20171019	440-194700-5		10/19/2017	Water	Stage 2A						X			X		X				X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
40189	4401947031	PC-153R-20171019	440-194703-1		10/19/2017	Water	Stage 2A									X						X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
40189	4401947031	M-201-20171019	440-194703-2		10/19/2017	Water	Stage 2A						X			X						X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
40189	4401947361	PC-157B-20171020-TB	440-194736-1	TB	10/20/2017	Water	Stage 2A	X	X																														
40189	4401947361	PC-157B-20171020	440-194736-2		10/20/2017	Water	Stage 2A	X	X											X																			
40189	4401947361	PC-157A-20171020	440-194736-3		10/20/2017	Water	Stage 2A	X	X											X																			
40189	4401947381	M-202-20171020-TB	440-194738-1	TB	10/20/2017	Water	Stage 2A	X	X																														
40189	4401947381	M-125D-20171020	440-194738-2		10/20/2017	Water	Stage 2A	X	X											X																			
40189	4401947381	M-202-20171020	440-194738-3		10/20/2017	Water	Stage 2A	X	X										X		X																		
40189	4401947631	M-13-20171018	440-194763-1		10/18/2017	Water	Stage 2A									X																							
40189	4401947631	M-11-20171018	440-194763-2		10/18/2017	Water	Stage 2A									X																							
40189	4401947631	M-75-20171018	440-194763-3		10/18/2017	Water	Stage 2A									X																							

Table I. Sample Cross-Reference

LDC	SDG	Client ID	Lab ID	QC Type	Sample Date	Matrix	Validation Level	VOC (8260B)	1,2,3-Trichloropropane & 1,4-Dioxane (8260BSIM)	SVOC (8270C)	PAH (8270CSIM)	Chlorinated Pesticides (8081A)	Aroclor-1260 (8082)	GRO (8015B)	PCDD/PCDF (8290)	Metals (200.7/200.8)	Metals (6010B)	Metals (6020A)	Mercury (7471A)	Hexavalent Cr (218.6)	Hexavalent Cr (7199)	Anions (300.0)	Chlorate (300.1B)	Perchlorate (314.0)	Total Phosphorus (365.3)	Alkalinity (2320B)	Specific Conductivity (2510B)	TDS (2540C)	Cyanide (4500-CN-E)	DOC (5310B)	Sulfide (9034)	pH (9040C)	Radium-226 (903.0)	Radium-228 (904.0)	Isotopic Thorium (A-01-R)					
40189	4401947631	M-22A-20171018	440-194763-4		10/18/2017	Water	Stage 2A								X																									
40189	4401947631	M-37-20171018	440-194763-5		10/18/2017	Water	Stage 2A								X																									
40189	4401947631	M-25-20171018	440-194763-6		10/18/2017	Water	Stage 2A								X																									
40189	4401947711	M-202-20171020	440-194771-1		10/20/2017	Water	Stage 2A								X							X	X	X	X	X	X	X	X	X	X	X	X	X						
40189	4401947711	M-125D-20171020	440-194771-2		10/20/2017	Water	Stage 2A								X	X						X	X	X	X	X	X	X	X	X	X	X	X	X	X					
40189	4401947711	M-203-20171020	440-194771-3		10/20/2017	Water	Stage 2A	X	X						X	X				X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
40189	4401947711	M-203-20171020-TB	440-194771-5	TB	10/20/2017	Water	Stage 2A	X	X																															
40189	4401947711	PC-157B-20171020	440-194771-6		10/20/2017	Water	Stage 2A					X			X	X						X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
40189	4401947711	PC-157A-20171020	440-194771-7		10/20/2017	Water	Stage 2A					X			X	X						X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
40189	4401947711	M-5D-20171020	440-194771-8		10/20/2017	Water	Stage 2A	X	X			X			X	X				X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
40189	4401947712	M-203-20171020	440-194771-3		10/20/2017	Water	Stage 2A								X																									
40189	4401947712	M-5D-20171020	440-194771-8		10/20/2017	Water	Stage 2A								X																									
40189	4401947712	MW-16-20171020	440-194771-9		10/20/2017	Water	Stage 2A								X																									
40189	4401948241	M-81D-20171023-TB	440-194824-1	TB	10/23/2017	Water	Stage 2A	X	X																															
40189	4401948241	M-81D-20171023	440-194824-2		10/23/2017	Water	Stage 2A	X	X									X		X																				
40189	4401948241	M-215-20171023	440-194824-3		10/23/2017	Water	Stage 2A	X	X									X		X																				
40189	4401948241	M-219-20171023	440-194824-4		10/23/2017	Water	Stage 2A	X	X									X		X																				
40189	4401948241	M-227-20171023	440-194824-5		10/23/2017	Water	Stage 2A	X	X									X		X																				
40189	4401948241	M-226-20171023	440-194824-6		10/23/2017	Water	Stage 2A	X	X									X		X																				
40189	4401948651	M-81D-20171023	440-194865-1		10/23/2017	Water	Stage 2A					X			X							X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
40189	4401948651	M-215-20171023	440-194865-2		10/23/2017	Water	Stage 2A					X			X							X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
40189	4401948651	M-219-20171023	440-194865-3		10/23/2017	Water	Stage 2A					X			X							X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
40189	4401948651	M-227-20171023	440-194865-4		10/23/2017	Water	Stage 2A					X			X							X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
40189	4401948651	M-226-20171023	440-194865-5		10/23/2017	Water	Stage 2A					X			X							X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
40189	4401948961	PC-182-20171024-TB	440-194896-1	TB	10/24/2017	Water	Stage 2A	X	X																															
40189	4401948961	PC-182-20171024	440-194896-2	FD36	10/24/2017	Water	Stage 2A	X	X											X																				
40189	4401948961	PC-182-20171024-FD	440-194896-3	FD36	10/24/2017	Water	Stage 2A	X	X											X																				

Table I. Sample Cross-Reference

LDC	SDG	Client ID	Lab ID	QC Type	Sample Date	Matrix	Validation Level	VOC (8260B)	1,2,3-Trichloropropane & 1,4-Dioxane (8260BSIM)	SVOC (8270C)	PAH (8270CSIM)	Chlorinated Pesticides (8081A)	Aroclor-1260 (8082)	GRO (8015B)	PCDD/PCDF (8290)	Metals (200.7/200.8)	Metals (6010B)	Metals (6020A)	Mercury (7471A)	Hexavalent Cr (218.6)	Hexavalent Cr (7199)	Anions (300.0)	Chlorate (300.1B)	Perchlorate (314.0)	Total Phosphorus (365.3)	Alkalinity (2320B)	Specific Conductivity (2510B)	TDS (2540C)	Cyanide (4500-CN-E)	DOC (5310B)	Sulfide (9034)	pH (9040C)	Radium-226 (903.0)	Radium-228 (904.0)	Isotopic Thorium (A-01-R)		
40189	4401948961	PC-181-20171024	440-194896-4		10/24/2017	Water	Stage 2A	X	X											X																	
40189	4401948961	PC-180-20171024	440-194896-5		10/24/2017	Water	Stage 2A	X	X											X																	
40189	4401948961	PC-173-20171024	440-194896-6		10/24/2017	Water	Stage 2A	X	X											X																	
40189	4401948961	PC-170-20171024	440-194896-7		10/24/2017	Water	Stage 2A	X	X											X																	
40189	4401948961	PC-170-20171024-FB	440-194896-8	FB	10/24/2017	Water	Stage 2A	X	X											X																	
40189	4401949031	PC-183-20171024-TB	440-194903-1	TB	10/24/2017	Water	Stage 2A	X	X																												
40189	4401949031	PC-183-20171024	440-194903-2		10/24/2017	Water	Stage 2A	X	X											X																	
40189	4401949031	PC-184-20171024	440-194903-3		10/24/2017	Water	Stage 2A	X	X											X																	
40189	4401949031	PC-185-20171024	440-194903-4		10/24/2017	Water	Stage 2A	X	X											X																	
40189	4401949031	PC-187-20171024	440-194903-5	FD37	10/24/2017	Water	Stage 2A	X	X											X																	
40189	4401949031	PC-187-20171024-FD	440-194903-6	FD37	10/24/2017	Water	Stage 2A	X	X											X																	
40189	4401949031	PC-187-20171024-EB	440-194903-7	EB	10/24/2017	Water	Stage 2A	X	X											X																	
40189	4401949031	PC-187-20171024-FB	440-194903-8	FB	10/24/2017	Water	Stage 2A	X	X											X																	
40189	4401949051	PC-183-20171024	440-194905-1		10/24/2017	Water	Stage 2A									X						X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
40189	4401949051	PC-184-20171024	440-194905-2		10/24/2017	Water	Stage 2A									X						X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
40189	4401949051	PC-185-20171024	440-194905-3		10/24/2017	Water	Stage 2A									X						X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
40189	4401949051	PC-187-20171024	440-194905-4	FD37	10/24/2017	Water	Stage 2A									X						X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
40189	4401949051	PC-187-20171024-FD	440-194905-5	FD37	10/24/2017	Water	Stage 2A									X						X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
40189	4401949051	PC-187-20171024-EB	440-194905-6	EB	10/24/2017	Water	Stage 2A									X						X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
40189	4401949051	PC-187-20171024-FB	440-194905-7	FB	10/24/2017	Water	Stage 2A									X						X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
40189	4401949081	PC-182-20171024	440-194908-1	FD36	10/24/2017	Water	Stage 2A									X						X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
40189	4401949081	PC-182-20171024-FD	440-194908-2	FD36	10/24/2017	Water	Stage 2A									X						X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
40189	4401949081	PC-181-20171024	440-194908-3		10/24/2017	Water	Stage 2A									X						X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
40189	4401949081	PC-180-20171024	440-194908-4		10/24/2017	Water	Stage 2A									X						X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
40189	4401949081	PC-173-20171024	440-194908-5		10/24/2017	Water	Stage 2A									X						X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
40189	4401949081	PC-170-20171024	440-194908-6		10/24/2017	Water	Stage 2A									X						X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
40189	4401949081	PC-170-20171024-FB	440-194908-7	FB	10/24/2017	Water	Stage 2A									X						X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	

Table I. Sample Cross-Reference

LDC	SDG	Client ID	Lab ID	QC Type	Sample Date	Matrix	Validation Level	VOC (8260B)	1,2,3-Trichloropropane & 1,4-Dioxane (8260BSIM)	SVOC (8270C)	PAH (8270CSIM)	Chlorinated Pesticides (8081A)	Aroclor-1260 (8082)	GRO (8015B)	PCDD/PCDF (8290)	Metals (200.7/200.8)	Metals (6010B)	Metals (6020A)	Mercury (7471A)	Hexavalent Cr (218.6)	Hexavalent Cr (7199)	Anions (300.0)	Chlorate (300.1B)	Perchlorate (314.0)	Total Phosphorus (365.3)	Alkalinity (2320B)	Specific Conductivity (2510B)	TDS (2540C)	Cyanide (4500-CN-E)	DOC (5310B)	Sulfide (9034)	pH (9040C)	Radium-226 (903.0)	Radium-228 (904.0)	Isotopic Thorium (A-01-R)		
40189	4401949861	MC-65R-20171025-TB	440-194986-1	TB	10/25/2017	Water	Stage 2A	X	X																												
40189	4401949861	MC-65R-20171025	440-194986-2		10/25/2017	Water	Stage 2A	X	X											X																	
40189	4401949861	PC-73-20171025	440-194986-3		10/25/2017	Water	Stage 2A	X	X											X																	
40189	4401949861	H-49R-20171025	440-194986-4		10/25/2017	Water	Stage 2A	X	X											X																	
40189	4401949861	MC-62-20171025	440-194986-5		10/25/2017	Water	Stage 2A	X	X											X																	
40189	4401949861	MC-61-20171025	440-194986-6		10/25/2017	Water	Stage 2A	X	X											X																	
40189	4401949921	MC-MW-37R-20171025-TB	440-194992-1	TB	10/25/2017	Water	Stage 2A	X	X																												
40189	4401949921	MC-MW-37R-20171025	440-194992-2		10/25/2017	Water	Stage 2A	X	X											X																	
40189	4401949921	MC-63-20171025	440-194992-3		10/25/2017	Water	Stage 2A	X	X											X																	
40189	4401949921	PC-37-20171025	440-194992-4		10/25/2017	Water	Stage 2A	X	X											X																	
40189	4401949921	PC-37-20171025-EB	440-194992-5	EB	10/25/2017	Water	Stage 2A	X	X											X																	
40189	4401949921	MC-MW-38-20171025	440-194992-6		10/25/2017	Water	Stage 2A	X	X											X																	
40189	4401949931	MC-MW-37R-20171025	440-194993-1		10/25/2017	Water	Stage 2A									X						X	X	X	X	X	X	X	X	X	X	X	X	X	X		
40189	4401949931	MC-MW-38-20171025	440-194993-2		10/25/2017	Water	Stage 2A									X						X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
40189	4401949931	MC-63-20171025	440-194993-3		10/25/2017	Water	Stage 2A									X						X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
40189	4401949931	PC-37-20171025	440-194993-4		10/25/2017	Water	Stage 2A									X						X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
40189	4401949931	PC-37-20171025-EB	440-194993-5	EB	10/25/2017	Water	Stage 2A									X						X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
40189	4401949971	MC-65R-20171025	440-194997-1		10/25/2017	Water	Stage 2A									X						X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
40189	4401949971	PC-73-20171025	440-194997-2		10/25/2017	Water	Stage 2A									X						X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
40189	4401949971	H-49R-20171025	440-194997-3		10/25/2017	Water	Stage 2A									X						X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
40189	4401949971	MC-62-20171025	440-194997-4		10/25/2017	Water	Stage 2A									X						X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
40189	4401949971	MC-61-20171025	440-194997-5		10/25/2017	Water	Stage 2A									X						X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
40189	4401951091	MC-MW-36-20171026-TB	440-195109-1	TB	10/26/2017	Water	Stage 2A	X	X																												
40189	4401951091	MC-MW-36-20171026	440-195109-2		10/26/2017	Water	Stage 2A	X	X											X																	
40189	4401951091	MC-65-20171026	440-195109-3		10/26/2017	Water	Stage 2A	X	X													X															
40189	4401951091	MC-MW-37-20171026	440-195109-4		10/26/2017	Water	Stage 2A	X	X													X															
40189	4401951091	MC-66-20171026	440-195109-5		10/26/2017	Water	Stage 2A	X	X													X															

Table I. Sample Cross-Reference

LDC	SDG	Client ID	Lab ID	QC Type	Sample Date	Matrix	Validation Level	VOC (8260B)	1,2,3-Trichloropropane & 1,4-Dioxane (8260BSIM)	SVOC (8270C)	PAH (8270CSIM)	Chlorinated Pesticides (8081A)	Aroclor-1260 (8082)	GRO (8015B)	PCDD/PCDF (8290)	Metals (200.7/200.8)	Metals (6010B)	Metals (6020A)	Mercury (7471A)	Hexavalent Cr (218.6)	Hexavalent Cr (7199)	Anions (300.0)	Chlorate (300.1B)	Perchlorate (314.0)	Total Phosphorus (365.3)	Alkalinity (2320B)	Specific Conductivity (2510B)	TDS (2540C)	Cyanide (4500-CN-E)	DOC (5310B)	Sulfide (9034)	pH (9040C)	Radium-226 (903.0)	Radium-228 (904.0)	Isotopic Thorium (A-01-R)			
40189	4401951091	PC-72-20171026	440-195109-6	FD39	10/26/2017	Water	Stage 2A	X	X											X																		
40189	4401951091	PC-72-20171026-FD	440-195109-7	FD39	10/26/2017	Water	Stage 2A	X	X											X																		
40189	4401951111	H-56A-20171026-TB	440-195111-1	TB	10/26/2017	Water	Stage 2A	X	X																													
40189	4401951111	H-56A-20171026	440-195111-2		10/26/2017	Water	Stage 2A	X	X											X																		
40189	4401951111	H-48-20171026	440-195111-3		10/26/2017	Water	Stage 2A	X	X											X																		
40189	4401951111	H-49A-20171026	440-195111-4		10/26/2017	Water	Stage 2A	X	X											X																		
40189	4401951111	H-58A-20171026	440-195111-5		10/26/2017	Water	Stage 2A	X	X											X																		
40189	4401951111	PC-40-20171026	440-195111-6		10/26/2017	Water	Stage 2A	X	X											X																		
40189	4401951111	H-56R-20171026	440-195111-7		10/26/2017	Water	Stage 2A	X	X											X																		
40189	4401951491	H-56A-20171026	440-195149-1		10/26/2017	Water	Stage 2A									X						X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
40189	4401951491	H-48-20171026	440-195149-2		10/26/2017	Water	Stage 2A									X						X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
40189	4401951491	H-49A-20171026	440-195149-3		10/26/2017	Water	Stage 2A									X						X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
40189	4401951491	H-58A-20171026	440-195149-4		10/26/2017	Water	Stage 2A									X						X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
40189	4401951491	PC-40-20171026	440-195149-5		10/26/2017	Water	Stage 2A									X						X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
40189	4401951491	H-56R-20171026	440-195149-6		10/26/2017	Water	Stage 2A									X						X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
40189	4401951521	MC-MW-36-20171026	440-195152-1		10/26/2017	Water	Stage 2A									X						X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
40189	4401951521	MC-65-20171026	440-195152-2		10/26/2017	Water	Stage 2A									X						X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
40189	4401951521	MC-MW-37-20171026	440-195152-3		10/26/2017	Water	Stage 2A									X						X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
40189	4401951521	MC-66-20171026	440-195152-4		10/26/2017	Water	Stage 2A									X						X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
40189	4401951521	PC-72-20171026	440-195152-5	FD38	10/26/2017	Water	Stage 2A									X						X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
40189	4401951521	PC-72-20171026-FD	440-195152-6	FD38	10/26/2017	Water	Stage 2A									X						X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
40189	4401951991	M-44-20171027-TB	440-195199-1	TB	10/27/2017	Water	Stage 2A	X	X																													
40189	4401951991	M-44-20171027	440-195199-2		10/27/2017	Water	Stage 2A	X	X											X																		
40189	4401951991	M-152-20171027	440-195199-3		10/27/2017	Water	Stage 2A	X	X											X																		
40189	4401951991	PC-71-20171027	440-195199-4		10/27/2017	Water	Stage 2A	X	X											X																		
40189	4401951991	H-58R-20171027	440-195199-5		10/27/2017	Water	Stage 2A	X	X											X																		
40189	4401951991	M-242-20171027	440-195199-6		10/27/2017	Water	Stage 2A	X	X											X																		



Table I. Sample Cross-Reference

LDC	SDG	Client ID	Lab ID	QC Type	Sample Date	Matrix	Validation Level	VOC (8260B)	1,2,3-Trichloropropane & 1,4-Dioxane (8260BSIM)	SVOC (8270C)	PAH (8270CSIM)	Chlorinated Pesticides (8081A)	Aroclor-1260 (8082)	GRO (8015B)	PCDD/PCDF (8290)	Metals (200.7/200.8)	Metals (6010B)	Metals (6020A)	Mercury (7471A)	Hexavalent Cr (218.6)	Hexavalent Cr (7199)	Anions (300.0)	Chlorate (300.1B)	Perchlorate (314.0)	Total Phosphorus (365.3)	Alkalinity (2320B)	Specific Conductivity (2510B)	TDS (2540C)	Cyanide (4500-CN-E)	DOC (5310B)	Sulfide (9034)	pH (9040C)	Radium-226 (903.0)	Radium-228 (904.0)	Isotopic Thorium (A-01-R)				
40189	4401951991	M-243-20171027	440-195199-7		10/27/2017	Water	Stage 2A	X	X											X																			
40189	4401951991	M-244-20171027	440-195199-8		10/27/2017	Water	Stage 2A	X	X											X																			
40189	4401951991	M-245-20171027	440-195199-9		10/27/2017	Water	Stage 2A	X	X											X																			
40189	4401952191	M-44-20171027	440-195219-1		10/27/2017	Water	Stage 2A									X						X	X	X	X	X	X	X	X	X	X	X	X	X					
40189	4401952191	PC-171-20171027	440-195219-10		10/27/2017	Water	Stage 2A	X	X							X				X		X	X	X	X	X	X	X	X	X	X	X	X	X	X				
40189	4401952191	M-152-20171027	440-195219-2		10/27/2017	Water	Stage 2A									X						X	X	X	X	X	X	X	X	X	X	X	X	X	X				
40189	4401952191	PC-71-20171027	440-195219-3		10/27/2017	Water	Stage 2A									X						X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
40189	4401952191	H-58R-20171027	440-195219-4		10/27/2017	Water	Stage 2A									X						X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
40189	4401952191	M-242-20171027	440-195219-5		10/27/2017	Water	Stage 2A						X			X	X					X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
40189	4401952191	M-243-20171027	440-195219-6		10/27/2017	Water	Stage 2A						X			X	X					X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
40189	4401952191	M-244-20171027	440-195219-7		10/27/2017	Water	Stage 2A						X			X	X					X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
40189	4401952191	M-245-20171027	440-195219-8		10/27/2017	Water	Stage 2A						X			X	X					X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
40189	4401952191	M-246-20171027	440-195219-9		10/27/2017	Water	Stage 2A	X	X				X			X	X			X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
40189	4401952851	PC-166-20171030-TB	440-195285-1	TB	10/30/2017	Water	Stage 2A	X	X																														
40189	4401952851	PC-166-20171030	440-195285-2		10/30/2017	Water	Stage 2A	X	X											X																			
40189	4401952851	PC-167-20171030	440-195285-3		10/30/2017	Water	Stage 2A	X	X											X																			
40189	4401952851	PC-169-20171030	440-195285-4		10/30/2017	Water	Stage 2A	X	X											X																			
40189	4401952851	PC-164-20171030	440-195285-5		10/30/2017	Water	Stage 2A	X	X											X																			
40195	4401952861	PC-174-20171030	440-195286-1		10/30/2017	Water	Stage 2A	X	X											X																			
40195	4401952861	PC-192-20171030	440-195286-2		10/30/2017	Water	Stage 2A	X	X											X																			
40195	4401952861	PC-179-20171030	440-195286-3		10/30/2017	Water	Stage 2A													X																			
40195	4401952861	PC-190-20171030	440-195286-4		10/30/2017	Water	Stage 2A	X	X											X																			
40189	4401953331	PC-174-20171030	440-195333-1		10/30/2017	Water	Stage 2A									X						X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
40189	4401953331	PC-192-20171030	440-195333-2		10/30/2017	Water	Stage 2A									X						X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
40189	4401953331	PC-179-20171030	440-195333-3		10/30/2017	Water	Stage 2A									X						X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
40189	4401953331	PC-190-20171030	440-195333-4		10/30/2017	Water	Stage 2A									X						X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
40189	4401953361	PC-166-20171030	440-195336-1		10/30/2017	Water	Stage 2A									X						X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		

Table I. Sample Cross-Reference

LDC	SDG	Client ID	Lab ID	QC Type	Sample Date	Matrix	Validation Level	VOC (8260B)	1,2,3-Trichloropropane & 1,4-Dioxane (8260BSIM)	SVOC (8270C)	PAH (8270CSIM)	Chlorinated Pesticides (8081A)	Aroclor-1260 (8082)	GRO (8015B)	PCDD/PCDF (8290)	Metals (200.7/200.8)	Metals (6010B)	Metals (6020A)	Mercury (7471A)	Hexavalent Cr (218.6)	Hexavalent Cr (7199)	Anions (300.0)	Chlorate (300.1B)	Perchlorate (314.0)	Total Phosphorus (365.3)	Alkalinity (2320B)	Specific Conductivity (2510B)	TDS (2540C)	Cyanide (4500-CN-E)	DOC (5310B)	Sulfide (9034)	pH (9040C)	Radium-226 (903.0)	Radium-228 (904.0)	Isotopic Thorium (A-01-R)		
40189	4401953361	PC-167-20171030	440-195336-2		10/30/2017	Water	Stage 2A									X						X	X	X	X	X	X		X	X	X						
40189	4401953361	PC-169-20171030	440-195336-3		10/30/2017	Water	Stage 2A									X						X	X	X	X	X	X		X	X	X						
40189	4401953361	PC-164-20171030	440-195336-4		10/30/2017	Water	Stage 2A									X						X	X	X	X	X	X		X	X	X						
40195	4401953661	M-196-20171031-TB	440-195366-1	TB	10/31/2017	Water	Stage 2A	X	X																												
40195	4401953661	M-196-20171031	440-195366-2		10/31/2017	Water	Stage 2A	X	X									X		X																	
40195	4401953661	M-198-20171031	440-195366-3		10/31/2017	Water	Stage 2A	X	X									X		X																	
40195	4401953661	M-199-20171031	440-195366-4		10/31/2017	Water	Stage 2A	X	X									X		X																	
40195	4401953661	M-195-20171031	440-195366-5		10/31/2017	Water	Stage 2A	X	X									X		X																	
40195	4401953661	M-197-20171031	440-195366-6		10/31/2017	Water	Stage 2A	X	X									X		X																	
40195	4401953671	PC-162-20171031	440-195367-1	FD39	10/31/2017	Water	Stage 2A	X	X											X																	
40195	4401953671	PC-162-20171031-FD	440-195367-2	FD39	10/31/2017	Water	Stage 2A	X	X											X																	
40195	4401953671	PC-161-20171031	440-195367-3	FD40	10/31/2017	Water	Stage 2A	X	X											X																	
40195	4401953671	PC-161-20171031-FD	440-195367-4	FD40	10/31/2017	Water	Stage 2A	X	X											X																	
40195	4401953671	PC-193-20171031	440-195367-5		10/31/2017	Water	Stage 2A	X	X											X																	
40195	4401953671	PC-163-20171031	440-195367-6		10/31/2017	Water	Stage 2A	X	X											X																	
40195	4401953671	PC-194-20171031	440-195367-7		10/31/2017	Water	Stage 2A	X	X											X																	
40195	4401953671	PC-177-20171031	440-195367-8		10/31/2017	Water	Stage 2A	X	X											X																	
40195	4401953681	PC-162-20171031	440-195368-1	FD39	10/31/2017	Water	Stage 2A									X						X	X	X	X	X	X	X	X	X	X	X	X	X			
40195	4401953681	PC-162-20171031-FD	440-195368-2	FD39	10/31/2017	Water	Stage 2A									X						X	X	X	X	X	X	X	X	X	X	X	X	X	X		
40195	4401953681	PC-161-20171031	440-195368-3		10/31/2017	Water	Stage 2A									X						X	X	X	X	X	X	X	X	X	X	X	X	X	X		
40195	4401953681	PC-161-20171031-FD	440-195368-4	FD40	10/31/2017	Water	Stage 2A									X						X	X	X	X	X	X	X	X	X	X	X	X	X	X		
40195	4401953681	PC-193-20171031	440-195368-5		10/31/2017	Water	Stage 2A									X						X	X	X	X	X	X	X	X	X	X	X	X	X	X		
40195	4401953681	PC-163-20171031	440-195368-6		10/31/2017	Water	Stage 2A									X						X	X	X	X	X	X	X	X	X	X	X	X	X	X		
40195	4401953681	PC-194-20171031	440-195368-7		10/31/2017	Water	Stage 2A									X						X	X	X	X	X	X	X	X	X	X	X	X	X	X		
40195	4401953681	PC-177-20171031	440-195368-8		10/31/2017	Water	Stage 2A									X						X	X	X	X	X	X	X	X	X	X	X	X	X	X		
40195	4401954031	M-196-20171031	440-195403-1		10/31/2017	Water	Stage 2A						X			X						X	X	X	X	X	X	X	X	X	X	X	X	X	X		
40195	4401954031	M-198-20171031	440-195403-2		10/31/2017	Water	Stage 2A						X			X						X	X	X	X	X	X	X	X	X	X	X	X	X	X		

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LDC	SDG	Client ID	Lab ID	QC Type	Sample Date	Matrix	Validation Level	VOC (8260B)	1,2,3-Trichloropropane & 1,4-Dioxane (8260BSIM)	SVOC (8270C)	PAH (8270CSIM)	Chlorinated Pesticides (8081A)	Aroclor-1260 (8082)	GRO (8015B)	PCDD/PCDF (8290)	Metals (200.7/200.8)	Metals (6010B)	Metals (6020A)	Mercury (7471A)	Hexavalent Cr (218.6)	Hexavalent Cr (7199)	Anions (300.0)	Chlorate (300.1B)	Perchlorate (314.0)	Total Phosphorus (365.3)	Alkalinity (2320B)	Specific Conductivity (2510B)	TDS (2540C)	Cyanide (4500-CN-E)	DOC (5310B)	Sulfide (9034)	pH (9040C)	Radium-226 (903.0)	Radium-228 (904.0)	Isotopic Thorium (A-01-R)			
40195	4401954031	M-199-20171031	440-195403-3		10/31/2017	Water	Stage 2A						X			X						X	X	X	X	X	X		X	X	X							
40195	4401954031	M-195-20171031	440-195403-4		10/31/2017	Water	Stage 2A						X			X						X	X	X	X	X	X		X	X	X							
40195	4401954031	M-197-20171031	440-195403-5		10/31/2017	Water	Stage 2A						X			X						X	X	X	X	X	X		X	X	X							
40196	4401954351	PC-165-20171101	440-195435-1	FD41	11/1/2017	Water	Stage 2A	X	X											X																		
40196	4401954351	PC-165-20171101-FD	440-195435-2	FD41	11/1/2017	Water	Stage 2A	X	X											X																		
40196	4401954351	PC-191-20171101	440-195435-3		11/1/2017	Water	Stage 2A	X	X											X																		
40196	4401954351	PC-191-20171101-EB	440-195435-4	EB	11/1/2017	Water	Stage 2A	X	X											X																		
40196	4401954351	PC-178-20171101	440-195435-5		11/1/2017	Water	Stage 2A	X	X											X																		
40196	4401954351	PC-195-20171101	440-195435-6		11/1/2017	Water	Stage 2A	X	X											X																		
40196	4401954351	PC-196-20171101	440-195435-7		11/1/2017	Water	Stage 2A	X	X											X																		
40196	4401954361	M-239-20171101-TB	440-195436-1	TB	11/1/2017	Water	Stage 2A	X	X																													
40196	4401954361	M-239-20171101	440-195436-2	FD42	11/1/2017	Water	Stage 2A	X	X											X																		
40196	4401954361	M-239-20171101-FD	440-195436-3	FD42	11/1/2017	Water	Stage 2A	X	X											X																		
40196	4401954361	M-240-20171101	440-195436-4		11/1/2017	Water	Stage 2A	X	X											X																		
40196	4401954361	M-200-20171101	440-195436-5		11/1/2017	Water	Stage 2A	X	X											X																		
40196	4401954361	M-233-20171101	440-195436-6		11/1/2017	Water	Stage 2A	X	X											X																		
40196	4401954361	M-21D-20171101	440-195436-7		11/1/2017	Water	Stage 2A	X	X											X																		
40196	4401954371	PC-165-20171101	440-195437-1	FD41	11/1/2017	Water	Stage 2A									X						X	X	X	X	X	X	X	X	X	X	X	X	X				
40196	4401954371	PC-165-20171101-FD	440-195437-2	FD41	11/1/2017	Water	Stage 2A									X						X	X	X	X	X	X	X	X	X	X	X	X	X	X			
40196	4401954371	PC-191-20171101	440-195437-3		11/1/2017	Water	Stage 2A									X						X	X	X	X	X	X	X	X	X	X	X	X	X	X			
40196	4401954371	PC-191-20171101-EB	440-195437-4	EB	11/1/2017	Water	Stage 2A									X						X	X	X	X	X	X	X	X	X	X	X	X	X	X			
40196	4401954371	PC-178-20171101	440-195437-5		11/1/2017	Water	Stage 2A									X						X	X	X	X	X	X	X	X	X	X	X	X	X	X			
40196	4401954371	PC-195-20171101	440-195437-6		11/1/2017	Water	Stage 2A									X						X	X	X	X	X	X	X	X	X	X	X	X	X	X			
40196	4401954371	PC-196-20171101	440-195437-7		11/1/2017	Water	Stage 2A									X						X	X	X	X	X	X	X	X	X	X	X	X	X	X			
40196	4401954381	M-239-20171101	440-195438-1	FD42	11/1/2017	Water	Stage 2A					X				X						X	X	X	X	X	X	X	X	X	X	X	X	X	X			
40196	4401954381	M-239-20171101-FD	440-195438-2	FD42	11/1/2017	Water	Stage 2A					X				X						X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
40196	4401954381	M-240-20171101	440-195438-3		11/1/2017	Water	Stage 2A					X				X						X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		

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LDC	SDG	Client ID	Lab ID	QC Type	Sample Date	Matrix	Validation Level	VOC (8260B)	1,2,3-Trichloropropane & 1,4-Dioxane (8260BSIM)	SVOC (8270C)	PAH (8270CSIM)	Chlorinated Pesticides (8081A)	Aroclor-1260 (8082)	GRO (8015B)	PCDD/PCDF (8290)	Metals (200.7/200.8)	Metals (6010B)	Metals (6020A)	Mercury (7471A)	Hexavalent Cr (218.6)	Hexavalent Cr (7199)	Anions (300.0)	Chlorate (300.1B)	Perchlorate (314.0)	Total Phosphorus (365.3)	Alkalinity (2320B)	Specific Conductivity (2510B)	TDS (2540C)	Cyanide (4500-CN-E)	DOC (5310B)	Sulfide (9034)	pH (9040C)	Radium-226 (903.0)	Radium-228 (904.0)	Isotopic Thorium (A-01-R)	
40196	4401954381	M-200-20171101	440-195438-4		11/1/2017	Water	Stage 2A					X			X							X	X	X	X	X	X		X	X	X					
40196	4401954381	M-233-20171101	440-195438-5		11/1/2017	Water	Stage 2A					X			X							X	X	X	X	X	X	X		X	X	X				
40196	4401954381	M-21D-20171101	440-195438-6		11/1/2017	Water	Stage 2A					X			X							X	X	X	X	X	X		X	X	X					
40196	4401954382	M-21D-20171101	440-195438-6		11/1/2017	Water	Stage 2A								X																					
40196	4401955781	PC-197-20171102	440-195578-1		11/2/2017	Water	Stage 2A	X	X											X																
40196	4401955781	PC-175-20171102	440-195578-2		11/2/2017	Water	Stage 2A	X	X											X																
40196	4401955781	PC-189-20171102	440-195578-3		11/2/2017	Water	Stage 2A	X	X											X																
40196	4401955781	PC-188-20171102	440-195578-4		11/2/2017	Water	Stage 2A	X	X											X																
40196	4401955781	M-204-20171102	440-195578-5		11/2/2017	Water	Stage 2A	X	X											X																
40196	4401955801	M-83D-20171102-TB	440-195580-1	TB	11/2/2017	Water	Stage 2A	X	X																											
40196	4401955801	M-83D-20171102	440-195580-2		11/2/2017	Water	Stage 2A	X	X											X																
40196	4401955801	M-216-20171102	440-195580-3		11/2/2017	Water	Stage 2A	X	X											X																
40196	4401955801	M-217-20171102	440-195580-4		11/2/2017	Water	Stage 2A	X	X											X																
40196	4401955801	M-218-20171102	440-195580-5		11/2/2017	Water	Stage 2A	X	X											X																
40196	4401955801	M-220-20171102	440-195580-6		11/2/2017	Water	Stage 2A	X	X											X																
40196	4401956031	PC-197-20171102	440-195603-1		11/2/2017	Water	Stage 2A								X							X	X	X	X	X	X	X		X	X	X				
40196	4401956031	PC-175-20171102	440-195603-2		11/2/2017	Water	Stage 2A								X							X	X	X	X	X	X	X		X	X	X				
40196	4401956031	PC-189-20171102	440-195603-3		11/2/2017	Water	Stage 2A								X							X	X	X	X	X	X	X		X	X	X				
40196	4401956031	PC-188-20171102	440-195603-4		11/2/2017	Water	Stage 2A								X							X	X	X	X	X	X	X		X	X	X				
40196	4401956031	M-204-20171102	440-195603-5		11/2/2017	Water	Stage 2A					X			X		X					X	X	X	X	X	X	X		X	X	X				
40196	4401956032	M-204-20171102	440-195603-5		11/2/2017	Water	Stage 2A								X																					
40196	4401956051	M-83D-20171102	440-195605-1		11/2/2017	Water	Stage 2A					X			X		X					X	X	X	X	X	X	X		X	X	X				
40196	4401956051	M-216-20171102	440-195605-2		11/2/2017	Water	Stage 2A					X			X		X					X	X	X	X	X	X	X		X	X	X				
40196	4401956051	M-217-20171102	440-195605-3		11/2/2017	Water	Stage 2A					X			X		X					X	X	X	X	X	X	X		X	X	X				
40196	4401956051	M-218-20171102	440-195605-4		11/2/2017	Water	Stage 2A					X			X		X					X	X	X	X	X	X	X		X	X	X				
40196	4401956051	M-220-20171102	440-195605-5		11/2/2017	Water	Stage 2A					X			X		X					X	X	X	X	X	X	X		X	X	X				
40196	4401956052	M-216-20171102	440-195605-2		11/2/2017	Water	Stage 2A								X																					

Table I. Sample Cross-Reference

LDC	SDG	Client ID	Lab ID	QC Type	Sample Date	Matrix	Validation Level	VOC (8260B)	1,2,3-Trichloropropane & 1,4-Dioxane (8260BSIM)	SVOC (8270C)	PAH (8270CSIM)	Chlorinated Pesticides (8081A)	Aroclor-1260 (8082)	GRO (8015B)	PCDD/PCDF (8290)	Metals (200.7/200.8)	Metals (6010B)	Metals (6020A)	Mercury (7471A)	Hexavalent Cr (218.6)	Hexavalent Cr (7199)	Anions (300.0)	Chlorate (300.1B)	Perchlorate (314.0)	Total Phosphorus (365.3)	Alkalinity (2320B)	Specific Conductivity (2510B)	TDS (2540C)	Cyanide (4500-CN-E)	DOC (5310B)	Sulfide (9034)	pH (9040C)	Radium-226 (903.0)	Radium-228 (904.0)	Isotopic Thorium (A-01-R)			
40196	4401956911	M-149-20171103-TB	440-195691-1	TB	11/3/2017	Water	Stage 2A	X	X																													
40196	4401956911	M-149-20171103	440-195691-2		11/3/2017	Water	Stage 2A	X	X											X																		
40196	4401956911	M-186D-20171103	440-195691-3		11/3/2017	Water	Stage 2A	X	X											X																		
40196	4401956911	M-186D-20171103-FB	440-195691-4	FB	11/3/2017	Water	Stage 2A	X	X											X																		
40196	4401956911	M-214-20171103	440-195691-5		11/3/2017	Water	Stage 2A	X	X											X																		
40196	4401956911	M-214-20171103-EB	440-195691-6	EB	11/3/2017	Water	Stage 2A	X	X											X																		
40196	4401956931	PC-186-20171103	440-195693-1	FD43	11/3/2017	Water	Stage 2A	X	X											X																		
40196	4401956931	PC-186-20171103-FD	440-195693-2	FD43	11/3/2017	Water	Stage 2A	X	X											X																		
40196	4401956931	PC-179-20171103	440-195693-3		11/3/2017	Water	Stage 2A	X	X																													
40196	4401956931	M-205-20171103	440-195693-4		11/3/2017	Water	Stage 2A	X	X											X																		
40196	4401956931	M-205-20171103-EB	440-195693-5	EB	11/3/2017	Water	Stage 2A	X	X											X																		
40196	4401956931	M-206-20171103	440-195693-6		11/3/2017	Water	Stage 2A	X	X											X																		
40196	4401957141	M-149-20171103	440-195714-1		11/3/2017	Water	Stage 2A						X		X	X						X	X	X	X	X	X	X	X	X	X	X	X	X				
40196	4401957141	M-186D-20171103	440-195714-2		11/3/2017	Water	Stage 2A						X		X	X						X	X	X	X	X	X	X	X	X	X	X	X	X	X			
40196	4401957141	M-186D-20171103-FB	440-195714-3	FB	11/3/2017	Water	Stage 2A						X		X	X						X	X	X	X	X	X	X	X	X	X	X	X	X	X			
40196	4401957141	M-214-20171103	440-195714-4		11/3/2017	Water	Stage 2A						X		X	X						X	X	X	X	X	X	X	X	X	X	X	X	X	X			
40196	4401957141	M-214-20171103-EB	440-195714-5	EB	11/3/2017	Water	Stage 2A						X		X	X						X	X	X	X	X	X	X	X	X	X	X	X	X	X			
40196	4401957351	M-239-20171101	440-195735-1	FD42	11/1/2017	Water	Stage 2A												X																			
40196	4401957351	M-239-20171101-FD	440-195735-2	FD42	11/1/2017	Water	Stage 2A												X																			
40196	4401957351	M-240-20171101	440-195735-3		11/1/2017	Water	Stage 2A												X																			
40196	4401957351	M-200-20171101	440-195735-4		11/1/2017	Water	Stage 2A												X																			
40196	4401957351	M-233-20171101	440-195735-5		11/1/2017	Water	Stage 2A												X																			
40196	4401957351	M-210-20171101	440-195735-6		11/1/2017	Water	Stage 2A												X																			
40196	4401957971	M-237-20171106	440-195797-1		11/6/2017	Water	Stage 2A	X	X											X																		
40196	4401957971	M-238-20171106	440-195797-2		11/6/2017	Water	Stage 2A	X	X											X																		
40196	4401957971	M-235-20171106	440-195797-3		11/6/2017	Water	Stage 2A	X	X											X																		
40196	4401957971	M-234-20171106	440-195797-4	FD44	11/6/2017	Water	Stage 2A	X	X											X																		

Table I. Sample Cross-Reference

LDC	SDG	Client ID	Lab ID	QC Type	Sample Date	Matrix	Validation Level	VOC (8260B)	1,2,3-Trichloropropane & 1,4-Dioxane (8260BSIM)	SVOC (8270C)	PAH (8270CSIM)	Chlorinated Pesticides (8081A)	Aroclor-1260 (8082)	GRO (8015B)	PCDD/PCDF (8290)	Metals (200.7/200.8)	Metals (6010B)	Metals (6020A)	Mercury (7471A)	Hexavalent Cr (218.6)	Hexavalent Cr (7199)	Anions (300.0)	Chlorate (300.1B)	Perchlorate (314.0)	Total Phosphorus (365.3)	Alkalinity (2320B)	Specific Conductivity (2510B)	TDS (2540C)	Cyanide (4500-CN-E)	DOC (5310B)	Sulfide (9034)	pH (9040C)	Radium-226 (903.0)	Radium-228 (904.0)	Isotopic Thorium (A-01-R)		
40196	4401957971	M-234-20171106-FD	440-195797-5	FD44	11/6/2017	Water	Stage 2A	X	X											X																	
40196	4401957971	M-232-20171106	440-195797-6		11/6/2017	Water	Stage 2A	X	X											X																	
40196	4401957981	M-208-20171106-TB	440-195798-1	TB	11/6/2017	Water	Stage 2A	X	X																												
40196	4401957981	M-208-20171106	440-195798-2		11/6/2017	Water	Stage 2A	X	X											X																	
40196	4401957981	M-209-20171106	440-195798-3	FD45	11/6/2017	Water	Stage 2A	X	X											X																	
40196	4401957981	M-209-20171106-FD	440-195798-4	FD45	11/6/2017	Water	Stage 2A	X	X											X																	
40196	4401957981	M-210-20171106	440-195798-5		11/6/2017	Water	Stage 2A	X	X											X																	
40196	4401957981	M-211-20171106	440-195798-6		11/6/2017	Water	Stage 2A	X	X											X																	
40196	4401957981	M-212-20171106	440-195798-7		11/6/2017	Water	Stage 2A	X	X											X																	
40198	4401958171	M-208-20171106	440-195817-1		11/6/2017	Water	Stage 2A					X			X		X					X	X	X	X	X	X	X		X	X	X					
40198	4401958171	M-209-20171106	440-195817-2	FD45	11/6/2017	Water	Stage 2A					X			X		X					X	X	X	X	X	X	X		X	X	X					
40198	4401958171	M-209-20171106-FD	440-195817-3	FD45	11/6/2017	Water	Stage 2A					X			X		X					X	X	X	X	X	X	X		X	X	X					
40198	4401958171	M-210-20171106	440-195817-4		11/6/2017	Water	Stage 2A					X			X		X					X	X	X	X	X	X	X		X	X	X					
40198	4401958171	M-211-20171106	440-195817-5		11/6/2017	Water	Stage 2A					X			X		X					X	X	X	X	X	X	X		X	X	X					
40198	4401958171	M-212-20171106	440-195817-6		11/6/2017	Water	Stage 2A					X			X		X					X	X	X	X	X	X	X		X	X	X					
40196	4401958172	M-211-20171106	440-195817-5		11/6/2017	Water	Stage 2A								X																						
40196	4401958231	M-237-20171106	440-195823-1		11/6/2017	Water	Stage 2A					X			X		X					X	X	X	X	X	X	X		X	X	X					
40196	4401958231	M-238-20171106	440-195823-2		11/6/2017	Water	Stage 2A					X			X		X					X	X	X	X	X	X	X		X	X	X					
40196	4401958231	M-235-20171106	440-195823-3		11/6/2017	Water	Stage 2A					X			X		X					X	X	X	X	X	X	X		X	X	X					
40196	4401958231	M-234-20171106	440-195823-4	FD44	11/6/2017	Water	Stage 2A					X			X		X					X	X	X	X	X	X	X		X	X	X					
40196	4401958231	M-234-20171106-FD	440-195823-5	FD44	11/6/2017	Water	Stage 2A					X			X		X					X	X	X	X	X	X	X		X	X	X					
40196	4401958231	M-232-20171106	440-195823-6		11/6/2017	Water	Stage 2A					X			X		X					X	X	X	X	X	X	X		X	X	X					
40196	4401958981	M-236-20171107	440-195898-1		11/7/2017	Water	Stage 2A	X	X												X																
40196	4401958981	M-236-20171107-FB	440-195898-2	FB	11/7/2017	Water	Stage 2A	X	X												X																
40196	4401958981	M-213-20171107	440-195898-3		11/7/2017	Water	Stage 2A	X	X												X																
40196	4401958981	M-225-20171107	440-195898-4		11/7/2017	Water	Stage 2A	X	X												X																
40196	4401958981	M-225-20171107-EB	440-195898-5	EB	11/7/2017	Water	Stage 2A	X	X												X																

Table I. Sample Cross-Reference

LDC	SDG	Client ID	Lab ID	QC Type	Sample Date	Matrix	Validation Level	VOC (8260B)	1,2,3-Trichloropropane & 1,4-Dioxane (8260BSIM)	SVOC (8270C)	PAH (8270CSIM)	Chlorinated Pesticides (8081A)	Aroclor-1260 (8082)	GRO (8015B)	PCDD/PCDF (8290)	Metals (200.7/200.8)	Metals (6010B)	Metals (6020A)	Mercury (7471A)	Hexavalent Cr (218.6)	Hexavalent Cr (7199)	Anions (300.0)	Chlorate (300.1B)	Perchlorate (314.0)	Total Phosphorus (365.3)	Alkalinity (2320B)	Specific Conductivity (2510B)	TDS (2540C)	Cyanide (4500-CN-E)	DOC (5310B)	Sulfide (9034)	pH (9040C)	Radium-226 (903.0)	Radium-228 (904.0)	Isotopic Thorium (A-01-R)			
40196	4401959071	M-231-20171107-TB	440-195907-1	TB	11/7/2017	Water	Stage 2A	X	X																													
40196	4401959071	M-223-20171107-FB	440-195907-10	FB	11/7/2017	Water	Stage 2A	X	X											X																		
40196	4401959071	M-231-20171107	440-195907-2	FD46	11/7/2017	Water	Stage 2A	X	X											X																		
40196	4401959071	M-231-20171107-FD	440-195907-3	FD46	11/7/2017	Water	Stage 2A	X	X											X																		
40196	4401959071	M-230-20171107	440-195907-4	FD47	11/7/2017	Water	Stage 2A	X	X											X																		
40196	4401959071	M-230-20171107-FD	440-195907-5	FD47	11/7/2017	Water	Stage 2A	X	X											X																		
40196	4401959071	M-229-20171107	440-195907-6		11/7/2017	Water	Stage 2A	X	X											X																		
40196	4401959071	M-229-20171107-EB	440-195907-7	EB	11/7/2017	Water	Stage 2A	X	X											X																		
40196	4401959071	M-229-20171107-FB	440-195907-8	FB	11/7/2017	Water	Stage 2A	X	X											X																		
40196	4401959071	M-223-20171107	440-195907-9		11/7/2017	Water	Stage 2A	X	X											X																		
40196	4401959361	M-168-20171106	440-195936-1		11/6/2017	Water	Stage 2A	X	X																													
40196	4401959361	M-167-20171106	440-195936-2		11/6/2017	Water	Stage 2A	X	X																													
40196	4401959361	M-166-20171106	440-195936-3		11/6/2017	Water	Stage 2A	X	X																													
40196	4401959361	M-169-20171107	440-195936-4		11/7/2017	Water	Stage 2A	X	X																													
40196	4401959361	M-131-20171107	440-195936-5		11/7/2017	Water	Stage 2A	X	X																													
40196	4401959361	M-170-20171107	440-195936-6		11/7/2017	Water	Stage 2A	X	X																													
40196	4401959361	M-55-20171107	440-195936-7		11/7/2017	Water	Stage 2A	X	X																													
40196	4401959471	M-231-20171107	440-195947-1	FD46	11/7/2017	Water	Stage 2A					X			X	X					X	X	X	X	X	X	X	X	X	X	X	X	X	X				
40196	4401959471	M-231-20171107-FD	440-195947-2	FD46	11/7/2017	Water	Stage 2A					X			X	X					X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
40196	4401959471	M-230-20171107	440-195947-3	FD47	11/7/2017	Water	Stage 2A					X			X	X					X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
40196	4401959471	M-230-20171107-FD	440-195947-4	FD47	11/7/2017	Water	Stage 2A					X			X	X					X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
40196	4401959471	M-229-20171107	440-195947-5		11/7/2017	Water	Stage 2A					X			X	X					X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
40196	4401959471	M-229-20171107-EB	440-195947-6	EB	11/7/2017	Water	Stage 2A					X			X	X					X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
40196	4401959471	M-229-20171107-FB	440-195947-7	FB	11/7/2017	Water	Stage 2A					X			X	X					X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
40196	4401959471	M-223-20171107	440-195947-8		11/7/2017	Water	Stage 2A					X			X	X					X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
40196	4401959471	M-223-20171107-FB	440-195947-9	FB	11/7/2017	Water	Stage 2A					X			X	X					X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
40196	4401959491	M-236-20171107	440-195949-1		11/7/2017	Water	Stage 2A					X			X	X					X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		

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LDC	SDG	Client ID	Lab ID	QC Type	Sample Date	Matrix	Validation Level	VOC (8260B)	1,2,3-Trichloropropane & 1,4-Dioxane (8260BSIM)	SVOC (8270C)	PAH (8270CSIM)	Chlorinated Pesticides (8081A)	Aroclor-1260 (8082)	GRO (8015B)	PCDD/PCDF (8290)	Metals (200.7/200.8)	Metals (6010B)	Metals (6020A)	Mercury (7471A)	Hexavalent Cr (218.6)	Hexavalent Cr (7199)	Anions (300.0)	Chlorate (300.1B)	Perchlorate (314.0)	Total Phosphorus (365.3)	Alkalinity (2320B)	Specific Conductivity (2510B)	TDS (2540C)	Cyanide (4500-CN-E)	DOC (5310B)	Sulfide (9034)	pH (9040C)	Radium-226 (903.0)	Radium-228 (904.0)	Isotopic Thorium (A-01-R)			
40196	4401959491	M-236-20171107-FB	440-195949-2	FB	11/7/2017	Water	Stage 2A						X			X		X				X	X	X	X	X	X		X	X	X							
40196	4401959491	M-213-20171107	440-195949-3		11/7/2017	Water	Stage 2A						X			X		X				X	X	X	X	X	X	X		X	X	X						
40196	4401959491	M-225-20171107	440-195949-4		11/7/2017	Water	Stage 2A						X			X		X				X	X	X	X	X	X	X		X	X	X						
40196	4401959491	M-225-20171107-EB	440-195949-5	EB	11/7/2017	Water	Stage 2A						X			X		X				X	X	X	X	X	X	X		X	X	X						
40196	4401960721	M-174-20171108	440-196072-1	FD48	11/8/2017	Water	Stage 2A	X	X																													
40196	4401960721	M-174-20171108-FD	440-196072-2	FD48	11/8/2017	Water	Stage 2A	X	X																													
40196	4401960721	M-175-20171108	440-196072-3		11/8/2017	Water	Stage 2A	X	X																													
40196	4401960721	M-175-20171108-EB	440-196072-4	EB	11/8/2017	Water	Stage 2A	X	X																													
40196	4401960721	M-176-20171108	440-196072-5		11/8/2017	Water	Stage 2A	X	X																													
40196	4401960721	M-177-20171108	440-196072-6		11/8/2017	Water	Stage 2A	X	X																													
40196	4401960721	M-78-20171108	440-196072-7		11/8/2017	Water	Stage 2A	X	X																													
40196	4401960741	M-173-20171108-TB	440-196074-1	TB	11/8/2017	Water	Stage 2A	X	X																													
40196	4401960741	M-173-20171108	440-196074-2		11/8/2017	Water	Stage 2A	X	X																													
40196	4401960741	M-58-20171108	440-196074-3		11/8/2017	Water	Stage 2A	X	X																													
40196	4401960741	M-58-20171108-FB	440-196074-4	FB	11/8/2017	Water	Stage 2A	X	X																													
40196	4401960741	M-60-20171108	440-196074-5	FD49	11/8/2017	Water	Stage 2A	X	X																													
40196	4401960741	M-60-20171108-FD	440-196074-6	FD49	11/8/2017	Water	Stage 2A	X	X																													
40196	4401960741	M-56-20171108	440-196074-7		11/8/2017	Water	Stage 2A	X	X																													
40196	4401960741	M-172-20171108	440-196074-8		11/8/2017	Water	Stage 2A	X	X																													



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

Quality Control Elements	Stage 2A					
	GC/MS <sup>1</sup>	GC <sup>2</sup>	HR GC/MS <sup>3</sup>	Metals	Wet Chemistry	Rad <sup>4</sup>
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	N/A	N/A	√	√	N/A
Field Blanks	√	√	√	√	√	√
Inductively Coupled Plasma (ICP) Interference Check Sample	N/A	N/A	N/A	-	N/A	N/A
Surrogate Spikes/ Carrier Recovery	√	√	N/A	N/A	√	√
Matrix Spike (MS)/ Matrix Spike Duplicate (MSD)	√	√	√	√	√	√
Laboratory Duplicate (DUP)	N/A	N/A	N/A	N/A	√	√
Laboratory Control Sample (LCS)/ Laboratory Control Sample Duplicate (LCSD)	√	√	√	√	√	√
Serial Dilution	N/A	N/A	N/A	√	N/A	N/A
Internal Standards	-	-	-	-	N/A	N/A
Field Duplicate	√	√	√	√	√	√
RPD Between Two Columns	N/A	-	N/A	N/A	N/A	N/A
Project Quantitation Limits (PQL) <sup>5</sup>	√	√	√	√	√	√
Multiple Results for One Sample	√	√	√	√	√	√
Target Compound Identification	-	-	-	-	-	-
Compound Quantitation/ Sample Result Verification	-	-	-	-	-	-
System Performance <sup>6</sup>	-	-	-	-	-	-
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

<sup>1</sup>GC/MS = VOCs, SVOCs, and PAHs

<sup>2</sup>GC = Chlorinated Pesticides and Aroclor-1260

<sup>3</sup>HR GC/MS = PCDD/PCDFs

<sup>4</sup>Rad = Radium-226, Radium-228, and Isotopic Thorium

<sup>5</sup>PQLs verified for GC/MS, GC, Metals, and Wet Chemistry methods. For HR GC/MS, Estimated Detection Limits (EDLs) and for Rad, Minimum Detectable Activity (MDA).

<sup>6</sup>System performance is a thorough review of the data acquisition that can yield indicators of degrading instrument performance affecting quality of data.

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

Quality Control Elements	Stage 2B					
	GC/MS <sup>1</sup>	GC <sup>2</sup>	HR GC/MS <sup>3</sup>	Metals	Wet Chemistry	Rad <sup>4</sup>
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	N/A	N/A	√	√	N/A
Field Blanks	√	√	√	√	√	√
Inductively Coupled Plasma (ICP) Interference Check Sample	N/A	N/A	N/A	√	N/A	N/A
Surrogate Spikes/ Carrier Recovery	√	√	N/A	N/A	√	√
Matrix Spike (MS)/ Matrix Spike Duplicate (MSD)	√	√	√	√	√	√
Laboratory Duplicate (DUP)	N/A	N/A	N/A	N/A	√	√
Laboratory Control Sample (LCS)/ Laboratory Control Sample Duplicate (LCSD)	√	√	√	√	√	√
Serial Dilution	N/A	N/A	N/A	√	N/A	N/A
Internal Standards	√	√	√	√	N/A	N/A
Field Duplicate	√	√	√	√	√	√
RPD Between Two Columns	N/A	√	N/A	N/A	N/A	N/A
Project Quantitation Limits (PQL) <sup>5</sup>	√	√	√	√	√	√
Multiple Results for One Sample	√	√	√	√	√	√
Target Compound Identification	-	-	-	-	-	-
Compound Quantitation/ Sample Result Verification	-	-	-	-	-	-
System Performance <sup>6</sup>	-	-	-	-	-	-
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

<sup>1</sup>GC/MS = VOCs, SVOCs, and PAHs

<sup>2</sup>GC = Chlorinated Pesticides and Aroclor-1260

<sup>3</sup>HR GC/MS = PCDD/PCDFs

<sup>4</sup>Rad = Radium-226, Radium-228, and Isotopic Thorium

<sup>5</sup>PQLs verified for GC/MS, GC, Metals, and Wet Chemistry methods. For HR GC/MS, Estimated Detection Limits (EDLs) and for Rad, Minimum Detectable Activity (MDA).

<sup>6</sup>System performance is a thorough review of the data acquisition that can yield indicators of degrading instrument performance affecting quality of data.

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

Quality Control Elements	Stage 4					
	GC/MS <sup>1</sup>	GC <sup>2</sup>	HR GC/MS <sup>3</sup>	Metals	Wet Chemistry	Rad <sup>4</sup>
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	N/A	N/A	√	√	N/A
Field Blanks	√	√	√	√	√	√
Inductively Coupled Plasma (ICP) Interference Check Sample	N/A	N/A	N/A	√	N/A	N/A
Surrogate Spikes/ Carrier Recovery	√	√	N/A	N/A	√	√
Matrix Spike (MS)/ Matrix Spike Duplicate (MSD)	√	√	√	√	√	√
Laboratory Duplicate (DUP)	N/A	N/A	N/A	N/A	√	√
Laboratory Control Sample (LCS)/ Laboratory Control Sample Duplicate (LCSD)	√	√	√	√	√	√
Serial Dilution	N/A	N/A	N/A	√	N/A	N/A
Internal Standards	√	N/A	√	√	N/A	N/A
Field Duplicate	√	√	√	√	√	√
RPD Between Two Columns	N/A	√	N/A	N/A	N/A	N/A
Project Quantitation Limits (PQL) <sup>5</sup>	√	√	√	√	√	√
Multiple Results for One Sample	√	√	√	√	√	√
Target Compound Identification	√	√	√	N/A	N/A	N/A
Compound Quantitation/ Sample Result Verification	√	√	√	√	√	√
System Performance <sup>6</sup>	√	N/A	√	N/A	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

<sup>1</sup>GC/MS = VOCs, SVOCs, and PAHs

<sup>2</sup>GC = Chlorinated Pesticides and Aroclor-1260

<sup>3</sup>HR GC/MS = PCDD/PCDFs

<sup>4</sup>Rad = Radium-226, Radium-228, and Isotopic Thorium

<sup>5</sup>PQLs verified for GC/MS, GC, Metals, and Wet Chemistry methods. For HR GC/MS, Estimated Detection Limits (EDLs) and for Rad, Minimum Detectable Activity (MDA).

<sup>6</sup>System performance is a thorough review of the data acquisition that can yield indicators of degrading instrument performance affecting quality of data.

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

Parameter (Method)	Number of Samples				Validation Percentage		
	(Water) Stage 2A	(Soil) Stage 2B	(Soil) Stage 4	(Soil) Total	(Water <sup>1</sup> ) Stage 2A (%)	(Soil) Stage 2B (%)	(Soil) Stage 4 (%)
VOCs (8260B)	369	182	36	218	100	83	17
1,2,3-Trichloropropane & 1,4-Dioxane (8260B-SIM)	369	-	-	-	100	-	-
SVOCs (8270C)	-	7	3	10	100	70	30
PAH (8270C-SIM)	-	7	3	10	100	70	30
Chlorinated Pesticides (8081A)	-	7	3	10	100	70	30
Aroclor-1260 (8082)	129	7	3	10	100	70	30
GRO (8015B)	-	-	1	1	-	-	100
Dioxins and Furans (8290)	24	7	3	10	100	70	30
Metals (200.7/200.8)	266	-	-	-	100	-	-
Metals (6010B)	11	152	24	176	100	86	14
Metals (6020A)	132	7	3	10	100	70	30
Mercury (7471A)	-	7	3	10	-	70	30
Cr VI (218.6)	274	-	-	-	100	-	-
Cr VI (7199)	2	16	7	23	100	70	30
Anions (300.0)	279	152	24	176	100	86	14
Chlorate (300.1B)	279	152	24	176	100	86	14
Perchlorate (314.0)	279	189	31	220	100	86	14
Total Phosphorus (365.3)	241	-	-	-	100	-	-
Alkalinity (2320B)	241	-	-	-	100	-	-
Specific Conductance (2510B)	241	-	-	-	100	-	-
TDS (2540C)	265	-	-	-	100	-	-
Cyanide (4500)	4	-	-	-	100	-	-
DOC (5310B)	241	-	-	-	100	-	-
Sulfide (9034)	241	-	-	-	100	-	-
pH (9040C)	241	-	-	-	100	-	-
Radium-226 (903.0)	-	7	3	10	-	70	30
Radium-228 (904.0)	-	7	3	10	-	70	30
Isotopic Thorium (A-01-R)	-	7	3	10	-	70	30

Notes:

1. Consistent with NDEP guidance emailed on March 7, 2017, all water results have been validated to Stage 2A.

**Table IV. Reason Codes and Definitions**

<b>Reason Code</b>	<b>Explanation</b>
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
orr	other result reported
p	qualified as a false positive due to contamination during shipping
pH	sample preservation not within acceptance range
q	qualified due to quantitation problem
s	qualified due to surrogate recoveries
sd	serial dilution did not meet control criteria
sp	detected value reported >SQL <PQL
st	sample receipt temperature exceeded
t	qualified due to elevated helium tracer concentrations
vh	volatile headspace detected in aqueous sample containers submitted for VOC analysis
x	qualified due to low % solids
z	qualified due to ICS results

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator <sup>1</sup>	Qualification Finding	Acceptance Criteria
4401884901	M-195-100.0-20170717-EB	7/17/2017	8260B	75-25-2	Bromoform		U	0.40	1.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401884901	M-195-100.0-20170717-EB	7/17/2017	8260B	56-23-5	Carbon Tetrachloride		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401884901	M-195-100.0-20170717-EB	7/17/2017	8260B	75-34-3	1,1-Dichloroethane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401884901	M-195-100.0-20170717-EB	7/17/2017	8260B	87-61-6	1,2,3-Trichlorobenzene		U	0.40	1.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401884901	M-195-100.0-20170717-EB	7/17/2017	8260B	95-50-1	1,2-Dichlorobenzene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401884901	M-195-100.0-20170717-EB	7/17/2017	8260B	103-65-1	n-Propylbenzene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401884901	M-195-100.0-20170717-EB	7/17/2017	8260B	108-67-8	1,3,5-Trimethylbenzene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401884901	M-195-100.0-20170717-EB	7/17/2017	8260B	994-05-8	t-Amyl methyl ether		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401884901	M-195-100.0-20170717-EB	7/17/2017	8260B	135-98-8	sec-Butylbenzene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401884901	M-195-100.0-20170717-EB	7/17/2017	8260B	96-18-4	1,2,3-Trichloropropane		U	0.40	1.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401884901	M-195-100.0-20170717-EB	7/17/2017	8260B	79-01-6	Trichloroethene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401884901	M-195-100.0-20170717-EB	7/17/2017	8260B	108-20-3	Diisopropyl ether		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401884901	M-195-100.0-20170717-EB	7/17/2017	8260B	108-10-1	4-Methyl-2-pentanone		U	2.5	5.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401884901	M-195-100.0-20170717-EB	7/17/2017	8260B	108-88-3	Toluene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401884901	M-195-100.0-20170717-EB	7/17/2017	8260B	75-65-0	tert Butyl alcohol		U	5.0	10	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401884901	M-195-100.0-20170717-EB	7/17/2017	8260B	79-34-5	1,1,2,2-Tetrachloroethane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401884901	M-195-100.0-20170717-EB	7/17/2017	8260B	108-90-7	Chlorobenzene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401884901	M-195-100.0-20170717-EB	7/17/2017	8260B	156-59-2	cis-1,2-Dichloroethene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401884901	M-195-100.0-20170717-EB	7/17/2017	8260B	98-82-8	Cumene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401884901	M-195-100.0-20170717-EB	7/17/2017	8260B	98-06-6	tert-Butylbenzene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401884901	M-195-100.0-20170717-EB	7/17/2017	8260B	108-86-1	Bromobenzene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401884901	M-195-100.0-20170717-EB	7/17/2017	8260B	10061-02-6	trans-1,3-Dichloropropene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401884901	M-195-100.0-20170717-EB	7/17/2017	8260B	106-46-7	1,4-Dichlorobenzene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401884901	M-195-100.0-20170717-EB	7/17/2017	8260B	106-93-4	1,2-Dibromoethane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401884901	M-195-100.0-20170717-EB	7/17/2017	8260B	74-97-5	Bromochloromethane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401884901	M-195-100.0-20170717-EB	7/17/2017	8260B	67-66-3	Chloroform		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401884901	M-195-100.0-20170717-EB	7/17/2017	8260B	95-49-8	2-Chlorotoluene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401884901	M-195-100.0-20170717-EB	7/17/2017	8260B	10061-01-5	cis-1,3-Dichloropropene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401884901	M-195-100.0-20170717-EB	7/17/2017	8260B	107-06-2	1,2-Dichloroethane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401884901	M-195-100.0-20170717-EB	7/17/2017	8260B	120-82-1	1,2,4-Trichlorobenzene		U	0.40	1.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401884901	M-195-100.0-20170717-EB	7/17/2017	8260B	594-20-7	2,2-Dichloropropane		U	0.40	1.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401884901	M-195-100.0-20170717-EB	7/17/2017	8260B	637-92-3	Ethyl tert-butyl ether		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401884901	M-195-100.0-20170717-EB	7/17/2017	8260B	71-43-2	Benzene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401884901	M-195-100.0-20170717-EB	7/17/2017	8260B	563-58-6	1,1-Dichloropropene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401884901	M-195-100.0-20170717-EB	7/17/2017	8260B	75-71-8	Dichlorodifluoromethane		U	0.40	1.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401884901	M-195-100.0-20170717-EB	7/17/2017	8260B	630-20-6	1,1,1,2-Tetrachloroethane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401884901	M-195-100.0-20170717-EB	7/17/2017	8260B	1634-04-4	Methyl tert-butyl ether		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401884901	M-195-100.0-20170717-EB	7/17/2017	8260B	136777-61-2	m,p-xylene		U	0.50	1.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401884901	M-195-100.0-20170717-EB	7/17/2017	8260B	71-55-6	1,1,1-Trichloroethane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401884901	M-195-100.0-20170717-EB	7/17/2017	8260B	75-00-3	Chloroethane		U	0.40	1.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401884901	M-195-100.0-20170717-EB	7/17/2017	8260B	75-09-2	Methylene Chloride		U	0.88	2.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401884901	M-195-100.0-20170717-EB	7/17/2017	8260B	87-68-3	Hexachlorobutadiene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401884901	M-195-100.0-20170717-EB	7/17/2017	8260B	67-64-1	Acetone		U	10	20	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401884901	M-195-100.0-20170717-EB	7/17/2017	8260B	75-35-4	1,1-Dichloroethene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401884901	M-195-100.0-20170717-EB	7/17/2017	8260B	78-93-3	2-Butanone		U	2.5	5.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401884901	M-195-100.0-20170717-EB	7/17/2017	8260B	100-41-4	Ethyl Benzene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401884901	M-195-100.0-20170717-EB	7/17/2017	8260B	104-51-8	n-Butylbenzene		U	0.40	1.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401884901	M-195-100.0-20170717-EB	7/17/2017	8260B	100-42-5	Styrene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401884901	M-195-100.0-20170717-EB	7/17/2017	8260B	142-28-9	1,3-Dichloropropane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401884901	M-195-100.0-20170717-EB	7/17/2017	8260B	156-60-5	trans-1,2-Dichloroethene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401884901	M-195-100.0-20170717-EB	7/17/2017	8260B	75-27-4	Bromodichloromethane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401884901	M-195-100.0-20170717-EB	7/17/2017	8260B	591-78-6	2-Hexanone		U	2.5	5.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401884901	M-195-100.0-20170717-EB	7/17/2017	8260B	74-87-3	Chloromethane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401884901	M-195-100.0-20170717-EB	7/17/2017	8260B	78-87-5	1,2-Dichloropropane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401884901	M-195-100.0-20170717-EB	7/17/2017	8260B	75-69-4	Trichlorofluoromethane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator <sup>1</sup>	Qualification Finding	Acceptance Criteria
4401884901	M-195-100.0-20170717-EB	7/17/2017	8260B	95-63-6	1,2,4-Trimethylbenzene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401884901	M-195-100.0-20170717-EB	7/17/2017	8260B	99-87-6	p-Cymene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401884901	M-195-100.0-20170717-EB	7/17/2017	8260B	127-18-4	Tetrachloroethene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401884901	M-195-100.0-20170717-EB	7/17/2017	8260B	96-12-8	1,2-Dibromo-3-chloropropane		U	0.50	1.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401884901	M-195-100.0-20170717-EB	7/17/2017	8260B	541-73-1	1,3-Dichlorobenzene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401884901	M-195-100.0-20170717-EB	7/17/2017	8260B	91-20-3	Naphthalene		U	0.40	1.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401884901	M-195-100.0-20170717-EB	7/17/2017	8260B	74-83-9	Bromomethane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401884901	M-195-100.0-20170717-EB	7/17/2017	8260B	74-95-3	Dibromomethane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401884901	M-195-100.0-20170717-EB	7/17/2017	8260B	79-00-5	1,1,2-Trichloroethane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401884901	M-195-100.0-20170717-EB	7/17/2017	8260B	95-47-6	ortho-xylene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401884901	M-195-100.0-20170717-EB	7/17/2017	8260B	124-48-1	Dibromochloromethane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401884901	M-195-100.0-20170717-EB	7/17/2017	8260B	76-13-1	1,1,2-Trichloro-1,1,2,2-trifluoroethane		U	0.50	2.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401884901	M-195-100.0-20170717-EB	7/17/2017	8260B	75-01-4	Vinyl Chloride		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401884901	M-195-100.0-20170717-EB	7/17/2017	8260B	106-43-4	4-Chlorotoluene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401888811	RI-6-30.0-20170724	7/24/2017	8260B	56-23-5	Carbon Tetrachloride	0.0013	J	0.00081	0.0032	mg/kg	J	sp	< PQL		
4401888811	RI-6-40.0-20170724	7/24/2017	8260B	56-23-5	Carbon Tetrachloride	0.0013	J	0.00069	0.0028	mg/kg	J	sp	< PQL		
4401888811	RI-6-50.0-20170724	7/24/2017	8260B	56-23-5	Carbon Tetrachloride	0.0031	J	0.00091	0.0036	mg/kg	J	sp	< PQL		
4401888811	RI-6-60.0-20170724	7/24/2017	8260B	56-23-5	Carbon Tetrachloride	0.0017	J	0.00068	0.0027	mg/kg	J	sp	< PQL		
4401888811	RI-6-70.0-20170724	7/24/2017	8260B	79-01-6	Trichloroethene	0.0014	J	0.00073	0.0015	mg/kg	J	sp	< PQL		
4401888811	RI-6-80.0-20170724	7/24/2017	8260B	79-01-6	Trichloroethene	0.0010	J	0.00085	0.0017	mg/kg	J	sp	< PQL		
4401888811	RI-6-80.0-20170724	7/24/2017	8260B	56-23-5	Carbon Tetrachloride	0.0028	J	0.00085	0.0034	mg/kg	J	sp	< PQL		
4401889421	RI-6-110.0-20170725	7/25/2017	8260B	56-23-5	Carbon Tetrachloride	0.0013	J	0.00083	0.0033	mg/kg	J	sp	< PQL		
4401889421	RI-6-110.0-20170725	7/25/2017	8260B	79-01-6	Trichloroethene	0.00084	J	0.00083	0.0017	mg/kg	J	sp	< PQL		
4401889421	RI-6-90.0-20170725	7/25/2017	8260B	56-23-5	Carbon Tetrachloride	0.0012	J	0.00078	0.0031	mg/kg	J	sp	< PQL		
4401889421	RI-6-90.0-20170725-FD	7/25/2017	8260B	56-23-5	Carbon Tetrachloride	0.0013	J	0.00078	0.0031	mg/kg	J	sp	< PQL		
4401889421	RI-6-95.0-20170725	7/25/2017	8260B	56-23-5	Carbon Tetrachloride	0.00088	J	0.00061	0.0024	mg/kg	J	sp	< PQL		
4401890601	RI-14-70.0-20170726	7/26/2017	8260B	79-01-6	Trichloroethene	0.0013	J	0.00072	0.0014	mg/kg	J	sp	< PQL		
4401890601	RI-14-70.0-20170726-FD	7/26/2017	8260B	79-01-6	Trichloroethene	0.0013	J	0.00075	0.0015	mg/kg	J	sp	< PQL		
4401891401	RI-14-110.0-20170727	7/27/2017	8260B	98-06-6	tert-Butylbenzene		U*	0.0019	0.0038	mg/kg	UJ	i	IS area (1,4-Dichlorobenzene-d4)	94295	164127-656506 Area
4401891401	RI-14-110.0-20170727	7/27/2017	8260B	95-50-1	1,2-Dichlorobenzene		U*	0.00095	0.0019	mg/kg	UJ	i	IS area (1,4-Dichlorobenzene-d4)	94295	164127-656506 Area
4401891401	RI-14-110.0-20170727	7/27/2017	8260B	135-98-8	sec-Butylbenzene		U*	0.0019	0.0038	mg/kg	UJ	i	IS area (1,4-Dichlorobenzene-d4)	94295	164127-656506 Area
4401891401	RI-14-110.0-20170727	7/27/2017	8260B	108-67-8	1,3,5-Trimethylbenzene		U*	0.0019	0.0038	mg/kg	UJ	i	IS area (1,4-Dichlorobenzene-d4)	94295	164127-656506 Area
4401891401	RI-14-110.0-20170727	7/27/2017	8260B	87-68-3	Hexachlorobutadiene		U*	0.0019	0.0038	mg/kg	UJ	i	IS area (1,4-Dichlorobenzene-d4)	94295	164127-656506 Area
4401891401	RI-14-110.0-20170727	7/27/2017	8260B	95-49-8	2-Chlorotoluene		U*	0.0019	0.0038	mg/kg	UJ	i	IS area (1,4-Dichlorobenzene-d4)	94295	164127-656506 Area
4401891401	RI-14-110.0-20170727	7/27/2017	8260B	79-34-5	1,1,2,2-Tetrachloroethane		U*	0.0019	0.0038	mg/kg	UJ	i	IS area (1,4-Dichlorobenzene-d4)	94295	164127-656506 Area
4401891401	RI-14-110.0-20170727	7/27/2017	8260B	120-82-1	1,2,4-Trichlorobenzene		U*	0.0019	0.0095	mg/kg	UJ	i	IS area (1,4-Dichlorobenzene-d4)	94295	164127-656506 Area
4401891401	RI-14-110.0-20170727	7/27/2017	8260B	87-61-6	1,2,3-Trichlorobenzene		U*	0.0019	0.0038	mg/kg	UJ	i	IS area (1,4-Dichlorobenzene-d4)	94295	164127-656506 Area
4401891401	RI-14-110.0-20170727	7/27/2017	8260B	96-18-4	1,2,3-Trichloropropane		U*	0.0019	0.019	mg/kg	UJ	i	IS area (1,4-Dichlorobenzene-d4)	94295	164127-656506 Area
4401891401	RI-14-110.0-20170727	7/27/2017	8260B	108-86-1	Bromobenzene		U*	0.0019	0.0038	mg/kg	UJ	i	IS area (1,4-Dichlorobenzene-d4)	94295	164127-656506 Area
4401891401	RI-14-110.0-20170727	7/27/2017	8260B	106-46-7	1,4-Dichlorobenzene		U*	0.00095	0.0019	mg/kg	UJ	i	IS area (1,4-Dichlorobenzene-d4)	94295	164127-656506 Area
4401891401	RI-14-110.0-20170727	7/27/2017	8260B	96-12-8	1,2-Dibromo-3-chloropropane		U*	0.0038	0.0095	mg/kg	UJ	i	IS area (1,4-Dichlorobenzene-d4)	94295	164127-656506 Area
4401891401	RI-14-110.0-20170727	7/27/2017	8260B	91-20-3	Naphthalene		U*	0.0019	0.0038	mg/kg	UJ	i	IS area (1,4-Dichlorobenzene-d4)	94295	164127-656506 Area
4401891401	RI-14-110.0-20170727	7/27/2017	8260B	104-51-8	n-Butylbenzene		U*	0.0019	0.0038	mg/kg	UJ	i	IS area (1,4-Dichlorobenzene-d4)	94295	164127-656506 Area
4401891401	RI-14-110.0-20170727	7/27/2017	8260B	95-63-6	1,2,4-Trimethylbenzene		U*	0.0019	0.0038	mg/kg	UJ	i	IS area (1,4-Dichlorobenzene-d4)	94295	164127-656506 Area
4401891401	RI-14-110.0-20170727	7/27/2017	8260B	103-65-1	n-Propylbenzene		U*	0.00095	0.0019	mg/kg	UJ	i	IS area (1,4-Dichlorobenzene-d4)	94295	164127-656506 Area
4401891401	RI-14-110.0-20170727	7/27/2017	8260B	541-73-1	1,3-Dichlorobenzene		U*	0.00095	0.0019	mg/kg	UJ	i	IS area (1,4-Dichlorobenzene-d4)	94295	164127-656506 Area
4401891401	RI-14-110.0-20170727	7/27/2017	8260B	106-43-4	4-Chlorotoluene		U*	0.0019	0.0038	mg/kg	UJ	i	IS area (1,4-Dichlorobenzene-d4)	94295	164127-656506 Area
4401891401	RI-14-110.0-20170727	7/27/2017	8260B	99-87-6	p-Cymene		U*	0.00095	0.0019	mg/kg	UJ	i	IS area (1,4-Dichlorobenzene-d4)	94295	164127-656506 Area
4401891401	RI-14-150.0-20170727	7/27/2017	8260B	67-66-3	Chloroform	0.00074	J	0.00066	0.0013	mg/kg	J	sp	< PQL		
4401891401	RI-14-90.0-20170727-EBTB	7/27/2017	8260B	108-10-1	4-Methyl-2-pentanone		U	2.5	5.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401891401	RI-14-90.0-20170727-EBTB	7/27/2017	8260B	74-97-5	Bromochloromethane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401891401	RI-14-90.0-20170727-EBTB	7/27/2017	8260B	87-61-6	1,2,3-Trichlorobenzene		U	0.40	1.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401891401	RI-14-90.0-20170727-EBTB	7/27/2017	8260B	75-34-3	1,1-Dichloroethane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401891401	RI-14-90.0-20170727-EBTB	7/27/2017	8260B	87-68-3	Hexachlorobutadiene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401891401	RI-14-90.0-20170727-EBTB	7/27/2017	8260B	75-65-0	tert Butyl alcohol		U	5.0	10	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator <sup>1</sup>	Qualification Finding	Acceptance Criteria
4401891401	RI-14-90.0-20170727-EBTB	7/27/2017	8260B	98-82-8	Cumene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401891401	RI-14-90.0-20170727-EBTB	7/27/2017	8260B	108-20-3	Diisopropyl ether		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401891401	RI-14-90.0-20170727-EBTB	7/27/2017	8260B	594-20-7	2,2-Dichloropropane		U	0.40	1.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401891401	RI-14-90.0-20170727-EBTB	7/27/2017	8260B	108-88-3	Toluene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401891401	RI-14-90.0-20170727-EBTB	7/27/2017	8260B	95-50-1	1,2-Dichlorobenzene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401891401	RI-14-90.0-20170727-EBTB	7/27/2017	8260B	108-90-7	Chlorobenzene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401891401	RI-14-90.0-20170727-EBTB	7/27/2017	8260B	108-67-8	1,3,5-Trimethylbenzene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401891401	RI-14-90.0-20170727-EBTB	7/27/2017	8260B	103-65-1	n-Propylbenzene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401891401	RI-14-90.0-20170727-EBTB	7/27/2017	8260B	135-98-8	sec-Butylbenzene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401891401	RI-14-90.0-20170727-EBTB	7/27/2017	8260B	79-01-6	Trichloroethene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401891401	RI-14-90.0-20170727-EBTB	7/27/2017	8260B	79-34-5	1,1,2,2-Tetrachloroethane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401891401	RI-14-90.0-20170727-EBTB	7/27/2017	8260B	106-93-4	1,2-Dibromoethane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401891401	RI-14-90.0-20170727-EBTB	7/27/2017	8260B	75-25-2	Bromoform		U	0.40	1.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401891401	RI-14-90.0-20170727-EBTB	7/27/2017	8260B	98-06-6	tert-Butylbenzene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401891401	RI-14-90.0-20170727-EBTB	7/27/2017	8260B	74-87-3	Chloromethane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401891401	RI-14-90.0-20170727-EBTB	7/27/2017	8260B	67-66-3	Chloroform		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401891401	RI-14-90.0-20170727-EBTB	7/27/2017	8260B	563-58-6	1,1-Dichloropropene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401891401	RI-14-90.0-20170727-EBTB	7/27/2017	8260B	10061-02-6	trans-1,3-Dichloropropene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401891401	RI-14-90.0-20170727-EBTB	7/27/2017	8260B	994-05-8	t-Amyl methyl ether		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401891401	RI-14-90.0-20170727-EBTB	7/27/2017	8260B	108-86-1	Bromobenzene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401891401	RI-14-90.0-20170727-EBTB	7/27/2017	8260B	96-18-4	1,2,3-Trichloropropane		U	0.40	1.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401891401	RI-14-90.0-20170727-EBTB	7/27/2017	8260B	120-82-1	1,2,4-Trichlorobenzene		U	0.40	1.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401891401	RI-14-90.0-20170727-EBTB	7/27/2017	8260B	156-59-2	cis-1,2-Dichloroethene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401891401	RI-14-90.0-20170727-EBTB	7/27/2017	8260B	10061-01-5	cis-1,3-Dichloropropene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401891401	RI-14-90.0-20170727-EBTB	7/27/2017	8260B	107-06-2	1,2-Dichloroethane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401891401	RI-14-90.0-20170727-EBTB	7/27/2017	8260B	71-43-2	Benzene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401891401	RI-14-90.0-20170727-EBTB	7/27/2017	8260B	637-92-3	Ethyl tert-butyl ether		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401891401	RI-14-90.0-20170727-EBTB	7/27/2017	8260B	106-46-7	1,4-Dichlorobenzene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401891401	RI-14-90.0-20170727-EBTB	7/27/2017	8260B	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane		U	0.50	2.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401891401	RI-14-90.0-20170727-EBTB	7/27/2017	8260B	156-60-5	trans-1,2-Dichloroethene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401891401	RI-14-90.0-20170727-EBTB	7/27/2017	8260B	100-41-4	Ethyl Benzene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401891401	RI-14-90.0-20170727-EBTB	7/27/2017	8260B	100-42-5	Styrene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401891401	RI-14-90.0-20170727-EBTB	7/27/2017	8260B	142-28-9	1,3-Dichloropropane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401891401	RI-14-90.0-20170727-EBTB	7/27/2017	8260B	104-51-8	n-Butylbenzene		U	0.40	1.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401891401	RI-14-90.0-20170727-EBTB	7/27/2017	8260B	91-20-3	Naphthalene		U	0.40	1.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401891401	RI-14-90.0-20170727-EBTB	7/27/2017	8260B	74-95-3	Dibromomethane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401891401	RI-14-90.0-20170727-EBTB	7/27/2017	8260B	75-35-4	1,1-Dichloroethene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401891401	RI-14-90.0-20170727-EBTB	7/27/2017	8260B	75-71-8	Dichlorodifluoromethane		U	0.40	1.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401891401	RI-14-90.0-20170727-EBTB	7/27/2017	8260B	96-12-8	1,2-Dibromo-3-chloropropane		U	0.50	1.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401891401	RI-14-90.0-20170727-EBTB	7/27/2017	8260B	75-09-2	Methylene Chloride		U	0.88	2.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401891401	RI-14-90.0-20170727-EBTB	7/27/2017	8260B	75-00-3	Chloroethane		U	0.40	1.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401891401	RI-14-90.0-20170727-EBTB	7/27/2017	8260B	71-55-6	1,1,1-Trichloroethane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401891401	RI-14-90.0-20170727-EBTB	7/27/2017	8260B	1634-04-4	Methyl tert-butyl ether		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401891401	RI-14-90.0-20170727-EBTB	7/27/2017	8260B	630-20-6	1,1,1,2-Tetrachloroethane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401891401	RI-14-90.0-20170727-EBTB	7/27/2017	8260B	75-27-4	Bromodichloromethane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401891401	RI-14-90.0-20170727-EBTB	7/27/2017	8260B	591-78-6	2-Hexanone		U	2.5	5.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401891401	RI-14-90.0-20170727-EBTB	7/27/2017	8260B	75-01-4	Vinyl Chloride		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401891401	RI-14-90.0-20170727-EBTB	7/27/2017	8260B	78-87-5	1,2-Dichloropropane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401891401	RI-14-90.0-20170727-EBTB	7/27/2017	8260B	75-69-4	Trichlorofluoromethane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401891401	RI-14-90.0-20170727-EBTB	7/27/2017	8260B	95-49-8	2-Chlorotoluene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401891401	RI-14-90.0-20170727-EBTB	7/27/2017	8260B	95-63-6	1,2,4-Trimethylbenzene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401891401	RI-14-90.0-20170727-EBTB	7/27/2017	8260B	99-87-6	p-Cymene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401891401	RI-14-90.0-20170727-EBTB	7/27/2017	8260B	56-23-5	Carbon Tetrachloride		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401891401	RI-14-90.0-20170727-EBTB	7/27/2017	8260B	106-43-4	4-Chlorotoluene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401891401	RI-14-90.0-20170727-EBTB	7/27/2017	8260B	67-64-1	Acetone		U	10	20	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm



Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator <sup>1</sup>	Qualification Finding	Acceptance Criteria
4401891401	RI-14-90.0-20170727-EBTB	7/27/2017	8260B	541-73-1	1,3-Dichlorobenzene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401891401	RI-14-90.0-20170727-EBTB	7/27/2017	8260B	74-83-9	Bromomethane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401891401	RI-14-90.0-20170727-EBTB	7/27/2017	8260B	95-47-6	ortho-xylene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401891401	RI-14-90.0-20170727-EBTB	7/27/2017	8260B	79-00-5	1,1,2-Trichloroethane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401891401	RI-14-90.0-20170727-EBTB	7/27/2017	8260B	124-48-1	Dibromochloromethane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401891401	RI-14-90.0-20170727-EBTB	7/27/2017	8260B	78-93-3	2-Butanone		U	2.5	5.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401891401	RI-14-90.0-20170727-EBTB	7/27/2017	8260B	136777-61-2	m,p-xylene		U	0.50	1.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401891401	RI-14-90.0-20170727-EBTB	7/27/2017	8260B	127-18-4	Tetrachloroethene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401892231	PCDB-7-10.0-20170728	7/28/2017	8260B	67-66-3	Chloroform	0.00096	J	0.00051	0.0010	mg/kg	J	sp	< PQL		
4401892231	PCDB-7-20.0-20170728	7/28/2017	8260B	127-18-4	Tetrachloroethene	0.00051	J	0.00041	0.00081	mg/kg	J	sp	< PQL		
4401892231	RI-15-10.0-20170728	7/28/2017	8260B	78-87-5	1,2-Dichloropropane		U	0.00052	0.0010	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-10.0-20170728	7/28/2017	8260B	630-20-6	1,1,1,2-Tetrachloroethane		U	0.0010	0.0021	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-10.0-20170728	7/28/2017	8260B	79-00-5	1,1,2-Trichloroethane		U	0.00052	0.0010	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-10.0-20170728	7/28/2017	8260B	95-47-6	ortho-xylene		U	0.00052	0.0010	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-10.0-20170728	7/28/2017	8260B	124-48-1	Dibromochloromethane		U	0.00052	0.0010	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-10.0-20170728	7/28/2017	8260B	98-06-6	tert-Butylbenzene		U	0.0010	0.0021	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-10.0-20170728	7/28/2017	8260B	95-63-6	1,2,4-Trimethylbenzene		U	0.0010	0.0021	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-10.0-20170728	7/28/2017	8260B	71-55-6	1,1,1-Trichloroethane		U	0.00052	0.0010	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-10.0-20170728	7/28/2017	8260B	95-49-8	2-Chlorotoluene		U	0.0010	0.0021	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-10.0-20170728	7/28/2017	8260B	75-69-4	Trichlorofluoromethane		U	0.0010	0.0021	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-10.0-20170728	7/28/2017	8260B	75-01-4	Vinyl Chloride		U	0.0010	0.0021	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-10.0-20170728	7/28/2017	8260B	74-95-3	Dibromomethane		U	0.00052	0.0010	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-10.0-20170728	7/28/2017	8260B	541-73-1	1,3-Dichlorobenzene		U	0.00052	0.0010	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-10.0-20170728	7/28/2017	8260B	74-83-9	Bromomethane		U	0.0010	0.0021	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-10.0-20170728	7/28/2017	8260B	591-78-6	2-Hexanone		U	0.0052	0.010	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-10.0-20170728	7/28/2017	8260B	99-87-6	p-Cymene		U	0.00052	0.0010	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-10.0-20170728	7/28/2017	8260B	156-60-5	trans-1,2-Dichloroethene		U	0.00052	0.0010	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-10.0-20170728	7/28/2017	8260B	127-18-4	Tetrachloroethene		U	0.00052	0.0010	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-10.0-20170728	7/28/2017	8260B	67-64-1	Acetone		U	0.0084	0.021	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-10.0-20170728	7/28/2017	8260B	75-71-8	Dichlorodifluoromethane		U	0.0010	0.0021	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-10.0-20170728	7/28/2017	8260B	78-93-3	2-Butanone		U	0.0052	0.010	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-10.0-20170728	7/28/2017	8260B	142-28-9	1,3-Dichloropropane		U	0.00052	0.0010	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-10.0-20170728	7/28/2017	8260B	100-41-4	Ethyl Benzene		U	0.00052	0.0010	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-10.0-20170728	7/28/2017	8260B	1634-04-4	Methyl tert-butyl ether		U	0.0010	0.0021	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-10.0-20170728	7/28/2017	8260B	100-42-5	Styrene		U	0.00052	0.0010	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-10.0-20170728	7/28/2017	8260B	136777-61-2	m,p-xylene		U	0.0010	0.0021	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-10.0-20170728	7/28/2017	8260B	56-23-5	Carbon Tetrachloride		U	0.00052	0.0021	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-10.0-20170728	7/28/2017	8260B	75-35-4	1,1-Dichloroethene		U	0.00052	0.0021	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-10.0-20170728	7/28/2017	8260B	96-12-8	1,2-Dibromo-3-chloropropane		U	0.0021	0.0052	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-10.0-20170728	7/28/2017	8260B	91-20-3	Naphthalene		U	0.0010	0.0021	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-10.0-20170728	7/28/2017	8260B	75-09-2	Methylene Chloride		U	0.0052	0.010	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-10.0-20170728	7/28/2017	8260B	75-27-4	Bromodichloromethane		U	0.00052	0.0010	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-10.0-20170728	7/28/2017	8260B	75-00-3	Chloroethane		U	0.0010	0.0021	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-10.0-20170728	7/28/2017	8260B	104-51-8	n-Butylbenzene		U	0.0010	0.0021	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-10.0-20170728	7/28/2017	8260B	10061-01-5	cis-1,3-Dichloropropene		U	0.00052	0.0010	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-10.0-20170728	7/28/2017	8260B	10061-02-6	trans-1,3-Dichloropropene		U	0.00052	0.0010	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-10.0-20170728	7/28/2017	8260B	67-66-3	Chloroform		U	0.00052	0.0010	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-10.0-20170728	7/28/2017	8260B	563-58-6	1,1-Dichloropropene		U	0.00052	0.0010	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-10.0-20170728	7/28/2017	8260B	71-43-2	Benzene		U	0.00052	0.0010	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-10.0-20170728	7/28/2017	8260B	637-92-3	Ethyl tert-butyl ether		U	0.0010	0.0021	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-10.0-20170728	7/28/2017	8260B	594-20-7	2,2-Dichloropropane		U	0.0010	0.0021	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-10.0-20170728	7/28/2017	8260B	106-46-7	1,4-Dichlorobenzene		U	0.00052	0.0010	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-10.0-20170728	7/28/2017	8260B	120-82-1	1,2,4-Trichlorobenzene		U	0.0010	0.0052	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-10.0-20170728	7/28/2017	8260B	87-61-6	1,2,3-Trichlorobenzene		U	0.0010	0.0021	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-10.0-20170728	7/28/2017	8260B	156-59-2	cis-1,2-Dichloroethene		U	0.00052	0.0010	mg/kg	R	st	Cooler temperature	20.3	4±2 °C

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator <sup>1</sup>	Qualification Finding	Acceptance Criteria
4401892231	RI-15-10.0-20170728	7/28/2017	8260B	994-05-8	t-Amyl methyl ether		U	0.0010	0.0021	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-10.0-20170728	7/28/2017	8260B	96-18-4	1,2,3-Trichloropropane		U	0.0010	0.010	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-10.0-20170728	7/28/2017	8260B	75-34-3	1,1-Dichloroethane		U	0.00052	0.0010	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-10.0-20170728	7/28/2017	8260B	74-97-5	Bromochloromethane		U	0.0010	0.0021	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-10.0-20170728	7/28/2017	8260B	108-20-3	Diisopropyl ether		U	0.0010	0.0021	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-10.0-20170728	7/28/2017	8260B	106-43-4	4-Chlorotoluene		U	0.0010	0.0021	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-10.0-20170728	7/28/2017	8260B	107-06-2	1,2-Dichloroethane		U	0.00052	0.0010	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-10.0-20170728	7/28/2017	8260B	75-25-2	Bromoform		U	0.0010	0.0021	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-10.0-20170728	7/28/2017	8260B	95-50-1	1,2-Dichlorobenzene		U	0.00052	0.0010	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-10.0-20170728	7/28/2017	8260B	103-65-1	n-Propylbenzene		U	0.00052	0.0010	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-10.0-20170728	7/28/2017	8260B	108-90-7	Chlorobenzene		U	0.00052	0.0010	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-10.0-20170728	7/28/2017	8260B	106-93-4	1,2-Dibromoethane		U	0.00052	0.0010	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-10.0-20170728	7/28/2017	8260B	79-01-6	Trichloroethene		U	0.00052	0.0010	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-10.0-20170728	7/28/2017	8260B	108-67-8	1,3,5-Trimethylbenzene		U	0.0010	0.0021	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-10.0-20170728	7/28/2017	8260B	87-68-3	Hexachlorobutadiene		U	0.0010	0.0021	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-10.0-20170728	7/28/2017	8260B	79-34-5	1,1,2,2-Tetrachloroethane		U	0.0010	0.0021	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-10.0-20170728	7/28/2017	8260B	75-65-0	tert Butyl alcohol		U	0.010	0.052	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-10.0-20170728	7/28/2017	8260B	108-88-3	Toluene		U	0.00052	0.0010	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-10.0-20170728	7/28/2017	8260B	108-10-1	4-Methyl-2-pentanone		U	0.0026	0.0052	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-10.0-20170728	7/28/2017	8260B	98-82-8	Cumene		U	0.00052	0.0010	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-10.0-20170728	7/28/2017	8260B	74-87-3	Chloromethane		U	0.0010	0.0021	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-10.0-20170728	7/28/2017	8260B	108-86-1	Bromobenzene		U	0.0010	0.0021	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-10.0-20170728	7/28/2017	8260B	135-98-8	sec-Butylbenzene		U	0.0010	0.0021	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8260B	106-46-7	1,4-Dichlorobenzene		U	0.00049	0.00098	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8260B	106-93-4	1,2-Dibromoethane		U	0.00049	0.00098	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8260B	108-86-1	Bromobenzene		U	0.00098	0.0020	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8260B	108-20-3	Diisopropyl ether		U	0.00098	0.0020	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8260B	108-10-1	4-Methyl-2-pentanone		U	0.0024	0.0049	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8260B	108-88-3	Toluene		U	0.00049	0.00098	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8260B	75-65-0	tert Butyl alcohol		U	0.0098	0.049	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8260B	79-34-5	1,1,2,2-Tetrachloroethane		U	0.00098	0.0020	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8260B	87-68-3	Hexachlorobutadiene		U	0.00098	0.0020	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8260B	103-65-1	n-Propylbenzene		U	0.00049	0.00098	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8260B	75-25-2	Bromoform		U	0.00098	0.0020	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8260B	10061-02-6	trans-1,3-Dichloropropene		U	0.00049	0.00098	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8260B	79-01-6	Trichloroethene		U	0.00049	0.00098	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8260B	135-98-8	sec-Butylbenzene		U	0.00098	0.0020	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8260B	108-90-7	Chlorobenzene		U	0.00049	0.00098	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8260B	95-50-1	1,2-Dichlorobenzene		U	0.00049	0.00098	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8260B	74-97-5	Bromochloromethane		U	0.00098	0.0020	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8260B	156-59-2	cis-1,2-Dichloroethene		U	0.00049	0.00098	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8260B	994-05-8	t-Amyl methyl ether		U	0.00098	0.0020	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8260B	108-67-8	1,3,5-Trimethylbenzene		U	0.00098	0.0020	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8260B	10061-01-5	cis-1,3-Dichloropropene		U	0.00049	0.00098	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8260B	120-82-1	1,2,4-Trichlorobenzene		U	0.00098	0.0049	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8260B	594-20-7	2,2-Dichloropropane		U	0.00098	0.0020	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8260B	96-18-4	1,2,3-Trichloropropane		U	0.00098	0.0098	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8260B	71-43-2	Benzene		U	0.00049	0.00098	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8260B	67-66-3	Chloroform	0.0064	U	0.00049	0.00098	mg/kg	J-	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8260B	87-61-6	1,2,3-Trichlorobenzene		U	0.00098	0.0020	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8260B	107-06-2	1,2-Dichloroethane		U	0.00049	0.00098	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8260B	74-87-3	Chloromethane		U	0.00098	0.0020	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8260B	98-82-8	Cumene		U	0.00049	0.00098	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8260B	98-06-6	tert-Butylbenzene		U	0.00098	0.0020	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8260B	563-58-6	1,1-Dichloropropene		U	0.00049	0.00098	mg/kg	R	st	Cooler temperature	20.3	4±2 °C

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator <sup>1</sup>	Qualification Finding	Acceptance Criteria
4401892231	RI-15-20.0-20170728	7/28/2017	8260B	637-92-3	Ethyl tert-butyl ether		U	0.00098	0.0020	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8260B	56-23-5	Carbon Tetrachloride		U	0.00049	0.0020	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8260B	1634-04-4	Methyl tert-butyl ether		U	0.00098	0.0020	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8260B	136777-61-2	m,p-xylene		U	0.00098	0.0020	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8260B	71-55-6	1,1,1-Trichloroethane		U	0.00049	0.00098	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8260B	75-00-3	Chloroethane		U	0.00098	0.0020	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8260B	75-27-4	Bromodichloromethane		U	0.00049	0.00098	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8260B	142-28-9	1,3-Dichloropropane		U	0.00049	0.00098	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8260B	630-20-6	1,1,1,2-Tetrachloroethane		U	0.00098	0.0020	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8260B	67-64-1	Acetone		U	0.0078	0.020	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8260B	75-09-2	Methylene Chloride		U	0.0049	0.0098	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8260B	156-60-5	trans-1,2-Dichloroethene		U	0.00049	0.00098	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8260B	100-42-5	Styrene		U	0.00049	0.00098	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8260B	100-41-4	Ethyl Benzene		U	0.00049	0.00098	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8260B	104-51-8	n-Butylbenzene		U	0.00098	0.0020	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8260B	75-34-3	1,1-Dichloroethane		U	0.00049	0.00098	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8260B	75-01-4	Vinyl Chloride		U	0.00098	0.0020	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8260B	78-93-3	2-Butanone		U	0.0049	0.0098	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8260B	127-18-4	Tetrachloroethene		U	0.00049	0.00098	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8260B	75-69-4	Trichlorofluoromethane		U	0.00098	0.0020	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8260B	75-71-8	Dichlorodifluoromethane		U	0.00098	0.0020	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8260B	75-35-4	1,1-Dichloroethene		U	0.00049	0.0020	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8260B	95-63-6	1,2,4-Trimethylbenzene		U	0.00098	0.0020	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8260B	78-87-5	1,2-Dichloropropane		U	0.00049	0.00098	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8260B	106-43-4	4-Chlorotoluene		U	0.00098	0.0020	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8260B	95-49-8	2-Chlorotoluene		U	0.00098	0.0020	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8260B	591-78-6	2-Hexanone		U	0.0049	0.0098	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8260B	74-83-9	Bromomethane		U	0.00098	0.0020	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8260B	541-73-1	1,3-Dichlorobenzene		U	0.00049	0.00098	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8260B	74-95-3	Dibromomethane		U	0.00049	0.00098	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8260B	79-00-5	1,1,2-Trichloroethane		U	0.00049	0.00098	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8260B	95-47-6	ortho-xylene		U	0.00049	0.00098	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8260B	124-48-1	Dibromochloromethane		U	0.00049	0.00098	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8260B	91-20-3	Naphthalene		U	0.00098	0.0020	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8260B	96-12-8	1,2-Dibromo-3-chloropropane		U	0.0020	0.0049	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8260B	99-87-6	p-Cymene		U	0.00049	0.00098	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8260B	630-20-6	1,1,1,2-Tetrachloroethane		U	0.0010	0.0020	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8260B	95-47-6	ortho-xylene		U	0.00050	0.0010	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8260B	79-00-5	1,1,2-Trichloroethane		U	0.00050	0.0010	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8260B	124-48-1	Dibromochloromethane		U	0.00050	0.0010	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8260B	99-87-6	p-Cymene		U	0.00050	0.0010	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8260B	95-63-6	1,2,4-Trimethylbenzene		U	0.0010	0.0020	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8260B	95-49-8	2-Chlorotoluene		U	0.0010	0.0020	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8260B	78-87-5	1,2-Dichloropropane		U	0.00050	0.0010	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8260B	75-69-4	Trichlorofluoromethane		U	0.0010	0.0020	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8260B	75-01-4	Vinyl Chloride		U	0.0010	0.0020	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8260B	74-95-3	Dibromomethane		U	0.00050	0.0010	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8260B	541-73-1	1,3-Dichlorobenzene		U	0.00050	0.0010	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8260B	591-78-6	2-Hexanone		U	0.0050	0.010	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8260B	1634-04-4	Methyl tert-butyl ether		U	0.0010	0.0020	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8260B	74-83-9	Bromomethane		U	0.0010	0.0020	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8260B	56-23-5	Carbon Tetrachloride		U	0.00050	0.0020	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8260B	108-88-3	Toluene		U	0.00050	0.0010	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8260B	67-64-1	Acetone		U	0.0080	0.020	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8260B	127-18-4	Tetrachloroethene		U	0.00050	0.0010	mg/kg	R	st	Cooler temperature	20.3	4±2 °C

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator <sup>1</sup>	Qualification Finding	Acceptance Criteria
4401892231	RI-15-5.0-20170728	7/28/2017	8260B	78-93-3	2-Butanone		U	0.0050	0.010	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8260B	142-28-9	1,3-Dichloropropane		U	0.00050	0.0010	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8260B	100-41-4	Ethyl Benzene		U	0.00050	0.0010	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8260B	104-51-8	n-Butylbenzene		U	0.0010	0.0020	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8260B	75-71-8	Dichlorodifluoromethane		U	0.0010	0.0020	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8260B	156-60-5	trans-1,2-Dichloroethene		U	0.00050	0.0010	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8260B	136777-61-2	m,p-xylene		U	0.0010	0.0020	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8260B	75-35-4	1,1-Dichloroethene		U	0.00050	0.0020	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8260B	96-12-8	1,2-Dibromo-3-chloropropane		U	0.0020	0.0050	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8260B	91-20-3	Naphthalene		U	0.0010	0.0020	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8260B	75-09-2	Methylene Chloride		U	0.0050	0.010	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8260B	75-27-4	Bromodichloromethane		U	0.00050	0.0010	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8260B	75-00-3	Chloroethane		U	0.0010	0.0020	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8260B	71-55-6	1,1,1-Trichloroethane		U	0.00050	0.0010	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8260B	100-42-5	Styrene		U	0.00050	0.0010	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8260B	10061-01-5	cis-1,3-Dichloropropene		U	0.00050	0.0010	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8260B	10061-02-6	trans-1,3-Dichloropropene		U	0.00050	0.0010	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8260B	67-66-3	Chloroform		U	0.00050	0.0010	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8260B	563-58-6	1,1-Dichloropropene		U	0.00050	0.0010	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8260B	71-43-2	Benzene		U	0.00050	0.0010	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8260B	106-43-4	4-Chlorotoluene		U	0.0010	0.0020	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8260B	594-20-7	2,2-Dichloropropane		U	0.0010	0.0020	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8260B	106-46-7	1,4-Dichlorobenzene		U	0.00050	0.0010	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8260B	120-82-1	1,2,4-Trichlorobenzene		U	0.0010	0.0050	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8260B	637-92-3	Ethyl tert-butyl ether		U	0.0010	0.0020	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8260B	156-59-2	cis-1,2-Dichloroethene		U	0.00050	0.0010	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8260B	994-05-8	t-Amyl methyl ether		U	0.0010	0.0020	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8260B	96-18-4	1,2,3-Trichloropropane		U	0.0010	0.010	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8260B	75-34-3	1,1-Dichloroethane		U	0.00050	0.0010	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8260B	87-61-6	1,2,3-Trichlorobenzene		U	0.0010	0.0020	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8260B	74-97-5	Bromochloromethane		U	0.0010	0.0020	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8260B	75-65-0	tert Butyl alcohol		U	0.010	0.050	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8260B	108-67-8	1,3,5-Trimethylbenzene		U	0.0010	0.0020	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8260B	107-06-2	1,2-Dichloroethane		U	0.00050	0.0010	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8260B	103-65-1	n-Propylbenzene		U	0.00050	0.0010	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8260B	106-93-4	1,2-Dibromoethane		U	0.00050	0.0010	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8260B	108-90-7	Chlorobenzene		U	0.00050	0.0010	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8260B	135-98-8	sec-Butylbenzene		U	0.0010	0.0020	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8260B	79-01-6	Trichloroethene		U	0.00050	0.0010	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8260B	95-50-1	1,2-Dichlorobenzene		U	0.00050	0.0010	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8260B	75-25-2	Bromoform		U	0.0010	0.0020	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8260B	79-34-5	1,1,2,2-Tetrachloroethane		U	0.0010	0.0020	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8260B	108-20-3	Diisopropyl ether		U	0.0010	0.0020	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8260B	108-10-1	4-Methyl-2-pentanone		U	0.0025	0.0050	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8260B	98-06-6	tert-Butylbenzene		U	0.0010	0.0020	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8260B	98-82-8	Cumene		U	0.00050	0.0010	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8260B	74-87-3	Chloromethane		U	0.0010	0.0020	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8260B	108-86-1	Bromobenzene		U	0.0010	0.0020	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8260B	87-68-3	Hexachlorobutadiene		U	0.0010	0.0020	mg/kg	R	st	Cooler temperature	20.3	4±2 °C
4401892601	RI-15-100.0-20170730	7/30/2017	8260B	78-93-3	2-Butanone		U	0.0076	0.015	mg/kg	UJ	c	CCV %D	21.2	20 %
4401892601	RI-15-30.0-20170730	7/30/2017	8260B	78-93-3	2-Butanone		U	0.0049	0.0097	mg/kg	UJ	c	CCV %D	21.2	20 %
4401892601	RI-15-40.0-20170730	7/30/2017	8260B	79-01-6	Trichloroethene	0.00098	J	0.00061	0.0012	mg/kg	J	sp	< PQL		
4401892601	RI-15-40.0-20170730	7/30/2017	8260B	78-93-3	2-Butanone		U	0.0061	0.012	mg/kg	UJ	c	CCV %D	21.2	20 %
4401892601	RI-15-60.0-20170730	7/30/2017	8260B	108-88-3	Toluene	0.11	J	0.093	0.19	mg/kg	J	sp	< PQL		
4401892601	RI-15-80.0-20170730	7/30/2017	8260B	78-93-3	2-Butanone		U	0.0072	0.014	mg/kg	UJ	c	CCV %D	21.2	20 %

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator <sup>1</sup>	Qualification Finding	Acceptance Criteria
4401892601	RI-15-90.0-20170730	7/30/2017	8260B	78-93-3	2-Butanone		U	0.0055	0.011	mg/kg	UJ	c	CCV %D	21.2	20 %
4401892601	RI-15-90.0-20170730-FD	7/30/2017	8260B	78-93-3	2-Butanone		U	0.0055	0.011	mg/kg	UJ	c	CCV %D	21.2	20 %
4401892601	RI-15-95.0-20170730	7/30/2017	8260B	78-93-3	2-Butanone		U	0.0064	0.013	mg/kg	UJ	c	CCV %D	21.2	20 %
4401892601	RI-15-95.0-20170730	7/30/2017	8260B	67-66-3	Chloroform	0.00067	J	0.00064	0.0013	mg/kg	J	sp	< PQL		
4401892611	PCDB-4-50.0-20170730	7/30/2017	8260B	78-93-3	2-Butanone		U	0.0076	0.015	mg/kg	UJ	c	CCV %D	21.2	20 %
4401892611	PCDB-4-80.0-20170730	7/30/2017	8260B	78-93-3	2-Butanone		U	0.0065	0.013	mg/kg	UJ	c	CCV %D	30.0	20 %
4401892611	PCDB-7-30.0-20170729	7/29/2017	8260B	56-23-5	Carbon Tetrachloride	0.00063	J	0.00054	0.0022	mg/kg	J	sp	< PQL		
4401892611	PCDB-7-30.0-20170729	7/29/2017	8260B	78-93-3	2-Butanone		U	0.0054	0.011	mg/kg	UJ	c	CCV %D	21.2	20 %
4401892611	PCDB-7-50.0-20170729	7/29/2017	8260B	95-50-1	1,2-Dichlorobenzene		U*	0.00077	0.0015	mg/kg	UJ	i	IS area (1,4-Dichlorobenzene-d4)	171684	195497-781986 Area
4401892611	PCDB-7-50.0-20170729	7/29/2017	8260B	99-87-6	p-Cymene		U*	0.00077	0.0015	mg/kg	UJ	i	IS area (1,4-Dichlorobenzene-d4)	171684	195497-781986 Area
4401892611	PCDB-7-50.0-20170729	7/29/2017	8260B	95-63-6	1,2,4-Trimethylbenzene		U*	0.0015	0.0031	mg/kg	UJ	i	IS area (1,4-Dichlorobenzene-d4)	171684	195497-781986 Area
4401892611	PCDB-7-50.0-20170729	7/29/2017	8260B	95-49-8	2-Chlorotoluene		U*	0.0015	0.0031	mg/kg	UJ	i	IS area (1,4-Dichlorobenzene-d4)	171684	195497-781986 Area
4401892611	PCDB-7-50.0-20170729	7/29/2017	8260B	106-43-4	4-Chlorotoluene		U*	0.0015	0.0031	mg/kg	UJ	i	IS area (1,4-Dichlorobenzene-d4)	171684	195497-781986 Area
4401892611	PCDB-7-50.0-20170729	7/29/2017	8260B	541-73-1	1,3-Dichlorobenzene		U*	0.00077	0.0015	mg/kg	UJ	i	IS area (1,4-Dichlorobenzene-d4)	171684	195497-781986 Area
4401892611	PCDB-7-50.0-20170729	7/29/2017	8260B	96-12-8	1,2-Dibromo-3-chloropropane		U*	0.0031	0.0077	mg/kg	UJ	i	IS area (1,4-Dichlorobenzene-d4)	171684	195497-781986 Area
4401892611	PCDB-7-50.0-20170729	7/29/2017	8260B	91-20-3	Naphthalene		U*	0.0015	0.0031	mg/kg	UJ	i	IS area (1,4-Dichlorobenzene-d4)	171684	195497-781986 Area
4401892611	PCDB-7-50.0-20170729	7/29/2017	8260B	104-51-8	n-Butylbenzene		U*	0.0015	0.0031	mg/kg	UJ	i	IS area (1,4-Dichlorobenzene-d4)	171684	195497-781986 Area
4401892611	PCDB-7-50.0-20170729	7/29/2017	8260B	135-98-8	sec-Butylbenzene		U*	0.0015	0.0031	mg/kg	UJ	i	IS area (1,4-Dichlorobenzene-d4)	171684	195497-781986 Area
4401892611	PCDB-7-50.0-20170729	7/29/2017	8260B	108-67-8	1,3,5-Trimethylbenzene		U*	0.0015	0.0031	mg/kg	UJ	i	IS area (1,4-Dichlorobenzene-d4)	171684	195497-781986 Area
4401892611	PCDB-7-50.0-20170729	7/29/2017	8260B	103-65-1	n-Propylbenzene		U*	0.00077	0.0015	mg/kg	UJ	i	IS area (1,4-Dichlorobenzene-d4)	171684	195497-781986 Area
4401892611	PCDB-7-50.0-20170729	7/29/2017	8260B	79-34-5	1,1,2,2-Tetrachloroethane		U*	0.0015	0.0031	mg/kg	UJ	i	IS area (1,4-Dichlorobenzene-d4)	171684	195497-781986 Area
4401892611	PCDB-7-50.0-20170729	7/29/2017	8260B	87-68-3	Hexachlorobutadiene		U*	0.0015	0.0031	mg/kg	UJ	i	IS area (1,4-Dichlorobenzene-d4)	171684	195497-781986 Area
4401892611	PCDB-7-50.0-20170729	7/29/2017	8260B	120-82-1	1,2,4-Trichlorobenzene		U*	0.0015	0.0077	mg/kg	UJ	i	IS area (1,4-Dichlorobenzene-d4)	171684	195497-781986 Area
4401892611	PCDB-7-50.0-20170729	7/29/2017	8260B	96-18-4	1,2,3-Trichloropropane		U*	0.0015	0.015	mg/kg	UJ	i	IS area (1,4-Dichlorobenzene-d4)	171684	195497-781986 Area
4401892611	PCDB-7-50.0-20170729	7/29/2017	8260B	87-61-6	1,2,3-Trichlorobenzene		U*	0.0015	0.0031	mg/kg	UJ	i	IS area (1,4-Dichlorobenzene-d4)	171684	195497-781986 Area
4401892611	PCDB-7-50.0-20170729	7/29/2017	8260B	98-06-6	tert-Butylbenzene		U*	0.0015	0.0031	mg/kg	UJ	i	IS area (1,4-Dichlorobenzene-d4)	171684	195497-781986 Area
4401892611	PCDB-7-50.0-20170729	7/29/2017	8260B	108-86-1	Bromobenzene		U*	0.0015	0.0031	mg/kg	UJ	i	IS area (1,4-Dichlorobenzene-d4)	171684	195497-781986 Area
4401892611	PCDB-7-50.0-20170729	7/29/2017	8260B	106-46-7	1,4-Dichlorobenzene		U*	0.00077	0.0015	mg/kg	UJ	i	IS area (1,4-Dichlorobenzene-d4)	171684	195497-781986 Area
4401892611	PCDB-7-50.0-20170729	7/29/2017	8260B	78-93-3	2-Butanone		U	0.0077	0.015	mg/kg	UJ	c	CCV %D	21.2	20 %
4401892611	PCDB-7-90.0-20170729	7/29/2017	8260B	78-93-3	2-Butanone		U	0.0063	0.013	mg/kg	UJ	c	CCV %D	21.2	20 %
4401892891	RI-15-105.0-20170731	7/31/2017	8260B	591-78-6	2-Hexanone		U	0.0070	0.014	mg/kg	UJ	c	CCV %D	22.1	20 %
4401892891	RI-15-105.0-20170731	7/31/2017	8260B	78-93-3	2-Butanone		U	0.0070	0.014	mg/kg	UJ	c	CCV %D	23.1	20 %
4401892891	RI-15-105.0-20170731	7/31/2017	8260B	67-64-1	Acetone		U	0.011	0.028	mg/kg	UJ	c	CCV %D	32.8	20 %
4401892891	RI-15-105.0-20170731	7/31/2017	8260B	75-01-4	Vinyl Chloride		U	0.0014	0.0028	mg/kg	UJ	c	ICV %D	24.2	20 %
4401892891	RI-15-105.0-20170731	7/31/2017	8260B	74-87-3	Chloromethane		U	0.0014	0.0028	mg/kg	UJ	c	ICV %D	32.4	20 %
4401892891	RI-15-105.0-20170731	7/31/2017	8260B	75-71-8	Dichlorodifluoromethane		U	0.0014	0.0028	mg/kg	UJ	c	ICV %D	39.8	20 %
4401892891	RI-15-105.0-20170731-TB	7/31/2017	8260B	67-64-1	Acetone		U	0.0080	0.020	mg/kg	UJ	c	CCV %D	32.8	20 %
4401892891	RI-15-105.0-20170731-TB	7/31/2017	8260B	78-93-3	2-Butanone		U	0.0050	0.010	mg/kg	UJ	c	CCV %D	23.1	20 %
4401892891	RI-15-105.0-20170731-TB	7/31/2017	8260B	75-71-8	Dichlorodifluoromethane		U	0.0010	0.0020	mg/kg	UJ	c	ICV %D	39.8	20 %
4401892891	RI-15-105.0-20170731-TB	7/31/2017	8260B	591-78-6	2-Hexanone		U	0.0050	0.010	mg/kg	UJ	c	CCV %D	22.1	20 %
4401892891	RI-15-105.0-20170731-TB	7/31/2017	8260B	75-01-4	Vinyl Chloride		U	0.0010	0.0020	mg/kg	UJ	c	ICV %D	24.2	20 %
4401892891	RI-15-105.0-20170731-TB	7/31/2017	8260B	74-87-3	Chloromethane		U	0.0010	0.0020	mg/kg	UJ	c	ICV %D	32.4	20 %
4401892891	RI-15-110.0-20170731	7/31/2017	8260B	75-01-4	Vinyl Chloride		U	0.0015	0.0029	mg/kg	UJ	c	ICV %D	24.2	20 %
4401892891	RI-15-110.0-20170731	7/31/2017	8260B	67-64-1	Acetone		U	0.012	0.029	mg/kg	UJ	c	CCV %D	32.8	20 %
4401892891	RI-15-110.0-20170731	7/31/2017	8260B	75-71-8	Dichlorodifluoromethane		U	0.0015	0.0029	mg/kg	UJ	c	ICV %D	39.8	20 %
4401892891	RI-15-110.0-20170731	7/31/2017	8260B	591-78-6	2-Hexanone		U	0.0074	0.015	mg/kg	UJ	c	CCV %D	22.1	20 %
4401892891	RI-15-110.0-20170731	7/31/2017	8260B	74-87-3	Chloromethane		U	0.0015	0.0029	mg/kg	UJ	c	ICV %D	32.4	20 %
4401892891	RI-15-110.0-20170731	7/31/2017	8260B	78-93-3	2-Butanone		U	0.0074	0.015	mg/kg	UJ	c	CCV %D	23.1	20 %
4401892891	RI-15-110.0-20170731-FD	7/31/2017	8260B	67-64-1	Acetone		U	0.010	0.026	mg/kg	UJ	c	CCV %D	32.8	20 %
4401892891	RI-15-110.0-20170731-FD	7/31/2017	8260B	75-71-8	Dichlorodifluoromethane		U	0.0013	0.0026	mg/kg	UJ	c	ICV %D	39.8	20 %
4401892891	RI-15-110.0-20170731-FD	7/31/2017	8260B	78-93-3	2-Butanone		U	0.0065	0.013	mg/kg	UJ	c	CCV %D	23.1	20 %
4401892891	RI-15-110.0-20170731-FD	7/31/2017	8260B	591-78-6	2-Hexanone		U	0.0065	0.013	mg/kg	UJ	c	CCV %D	22.1	20 %
4401892891	RI-15-110.0-20170731-FD	7/31/2017	8260B	75-01-4	Vinyl Chloride		U	0.0013	0.0026	mg/kg	UJ	c	ICV %D	24.2	20 %
4401892891	RI-15-110.0-20170731-FD	7/31/2017	8260B	67-66-3	Chloroform	0.0010	J	0.00065	0.0013	mg/kg	J	sp	< PQL		
4401892891	RI-15-110.0-20170731-FD	7/31/2017	8260B	74-87-3	Chloromethane		U	0.0013	0.0026	mg/kg	UJ	c	ICV %D	32.4	20 %

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator <sup>1</sup>	Qualification Finding	Acceptance Criteria
4401892891	RI-15-115.0-20170731	7/31/2017	8260B	75-71-8	Dichlorodifluoromethane		U	0.0016	0.0032	mg/kg	UJ	c	ICV %D	39.8	20 %
4401892891	RI-15-115.0-20170731	7/31/2017	8260B	591-78-6	2-Hexanone		U	0.0081	0.016	mg/kg	UJ	c	CCV %D	22.1	20 %
4401892891	RI-15-115.0-20170731	7/31/2017	8260B	67-64-1	Acetone		U	0.013	0.032	mg/kg	UJ	c	CCV %D	32.8	20 %
4401892891	RI-15-115.0-20170731	7/31/2017	8260B	75-01-4	Vinyl Chloride		U	0.0016	0.0032	mg/kg	UJ	c	ICV %D	24.2	20 %
4401892891	RI-15-115.0-20170731	7/31/2017	8260B	74-87-3	Chloromethane		U	0.0016	0.0032	mg/kg	UJ	c	ICV %D	32.4	20 %
4401892891	RI-15-115.0-20170731	7/31/2017	8260B	78-93-3	2-Butanone		U	0.0081	0.016	mg/kg	UJ	c	CCV %D	23.1	20 %
4401892891	RI-15-120.0-20170731	7/31/2017	8260B	67-64-1	Acetone		U	0.011	0.029	mg/kg	UJ	c	CCV %D	32.8	20 %
4401892891	RI-15-120.0-20170731	7/31/2017	8260B	75-71-8	Dichlorodifluoromethane		U	0.0014	0.0029	mg/kg	UJ	c	ICV %D	39.8	20 %
4401892891	RI-15-120.0-20170731	7/31/2017	8260B	78-93-3	2-Butanone		U	0.0071	0.014	mg/kg	UJ	c	CCV %D	23.1	20 %
4401892891	RI-15-120.0-20170731	7/31/2017	8260B	591-78-6	2-Hexanone		U	0.0071	0.014	mg/kg	UJ	c	CCV %D	22.1	20 %
4401892891	RI-15-120.0-20170731	7/31/2017	8260B	75-01-4	Vinyl Chloride		U	0.0014	0.0029	mg/kg	UJ	c	ICV %D	24.2	20 %
4401892891	RI-15-120.0-20170731	7/31/2017	8260B	74-87-3	Chloromethane		U	0.0014	0.0029	mg/kg	UJ	c	ICV %D	32.4	20 %
4401892891	RI-15-125.0-20170731	7/31/2017	8260B	75-71-8	Dichlorodifluoromethane		U	0.0015	0.0030	mg/kg	UJ	c	ICV %D	39.8	20 %
4401892891	RI-15-125.0-20170731	7/31/2017	8260B	78-93-3	2-Butanone		U	0.0075	0.015	mg/kg	UJ	c	CCV %D	23.1	20 %
4401892891	RI-15-125.0-20170731	7/31/2017	8260B	75-01-4	Vinyl Chloride		U	0.0015	0.0030	mg/kg	UJ	c	ICV %D	24.2	20 %
4401892891	RI-15-125.0-20170731	7/31/2017	8260B	591-78-6	2-Hexanone		U	0.0075	0.015	mg/kg	UJ	c	CCV %D	22.1	20 %
4401892891	RI-15-125.0-20170731	7/31/2017	8260B	74-87-3	Chloromethane		U	0.0015	0.0030	mg/kg	UJ	c	ICV %D	32.4	20 %
4401892891	RI-15-125.0-20170731	7/31/2017	8260B	67-64-1	Acetone		U	0.012	0.030	mg/kg	UJ	c	CCV %D	32.8	20 %
4401892891	RI-15-130.0-20170731	7/31/2017	8260B	75-71-8	Dichlorodifluoromethane		U	0.0021	0.0043	mg/kg	UJ	c	ICV %D	39.8	20 %
4401892891	RI-15-130.0-20170731	7/31/2017	8260B	78-93-3	2-Butanone		U	0.011	0.021	mg/kg	UJ	c	CCV %D	20.1	20 %
4401892891	RI-15-130.0-20170731	7/31/2017	8260B	75-01-4	Vinyl Chloride		U	0.0021	0.0043	mg/kg	UJ	c	ICV %D	24.2	20 %
4401892891	RI-15-130.0-20170731	7/31/2017	8260B	74-87-3	Chloromethane		U	0.0021	0.0043	mg/kg	UJ	c	ICV %D	32.4	20 %
4401892891	RI-15-135.0-20170731	7/31/2017	8260B	78-93-3	2-Butanone		U	0.0071	0.014	mg/kg	UJ	c	CCV %D	21.2	20 %
4401892891	RI-15-140.0-20170731	7/31/2017	8260B	78-93-3	2-Butanone		U	0.0069	0.014	mg/kg	UJ	c	CCV %D	20.1	20 %
4401892891	RI-15-140.0-20170731	7/31/2017	8260B	75-71-8	Dichlorodifluoromethane		U	0.0014	0.0027	mg/kg	UJ	c	ICV %D	39.8	20 %
4401892891	RI-15-140.0-20170731	7/31/2017	8260B	75-01-4	Vinyl Chloride		U	0.0014	0.0027	mg/kg	UJ	c	ICV %D	24.2	20 %
4401892891	RI-15-140.0-20170731	7/31/2017	8260B	74-87-3	Chloromethane		U	0.0014	0.0027	mg/kg	UJ	c	ICV %D	32.4	20 %
4401892891	RI-15-145.0-20170731	7/31/2017	8260B	74-87-3	Chloromethane		U	0.0018	0.0036	mg/kg	UJ	c	ICV %D	32.4	20 %
4401892891	RI-15-145.0-20170731	7/31/2017	8260B	78-93-3	2-Butanone		U	0.0090	0.018	mg/kg	UJ	c	CCV %D	20.1	20 %
4401892891	RI-15-145.0-20170731	7/31/2017	8260B	75-01-4	Vinyl Chloride		U	0.0018	0.0036	mg/kg	UJ	c	ICV %D	24.2	20 %
4401892891	RI-15-145.0-20170731	7/31/2017	8260B	75-71-8	Dichlorodifluoromethane		U	0.0018	0.0036	mg/kg	UJ	c	ICV %D	39.8	20 %
4401892891	RI-15-150.0-20170731	7/31/2017	8260B	78-93-3	2-Butanone		U	0.0074	0.015	mg/kg	UJ	c	CCV %D	20.1	20 %
4401892891	RI-15-150.0-20170731	7/31/2017	8260B	75-71-8	Dichlorodifluoromethane		U	0.0015	0.0030	mg/kg	UJ	c	ICV %D	39.8	20 %
4401892891	RI-15-150.0-20170731	7/31/2017	8260B	75-01-4	Vinyl Chloride		U	0.0015	0.0030	mg/kg	UJ	c	ICV %D	24.2	20 %
4401892891	RI-15-150.0-20170731	7/31/2017	8260B	74-87-3	Chloromethane		U	0.0015	0.0030	mg/kg	UJ	c	ICV %D	32.4	20 %
4401901531	PCDB-11-10.0-20170811	8/11/2017	8260B	75-01-4	Vinyl Chloride		U	0.00099	0.0020	mg/kg	UJ	c	ICV %D	24.2	20 %
4401901531	PCDB-11-10.0-20170811	8/11/2017	8260B	75-09-2	Methylene Chloride		U	0.0049	0.0099	mg/kg	UJ	c	CCV %D	20.6	20 %
4401901531	PCDB-11-10.0-20170811	8/11/2017	8260B	67-64-1	Acetone		U	0.0079	0.020	mg/kg	UJ	c	CCV %D	20.7	20 %
4401901531	PCDB-11-10.0-20170811	8/11/2017	8260B	75-71-8	Dichlorodifluoromethane		U	0.00099	0.0020	mg/kg	UJ	c	ICV, CCV %D	39.8,21.8	20 %
4401901531	PCDB-11-10.0-20170811	8/11/2017	8260B	74-87-3	Chloromethane		U	0.00099	0.0020	mg/kg	UJ	c	ICV %D	32.4	20 %
4401901531	PCDB-11-10.0-20170811-FD	8/11/2017	8260B	74-87-3	Chloromethane		U	0.00097	0.0019	mg/kg	UJ	c	ICV %D	32.4	20 %
4401901531	PCDB-11-10.0-20170811-FD	8/11/2017	8260B	75-01-4	Vinyl Chloride		U	0.00097	0.0019	mg/kg	UJ	c	ICV %D	24.2	20 %
4401901531	PCDB-11-10.0-20170811-FD	8/11/2017	8260B	75-09-2	Methylene Chloride		U	0.0049	0.0097	mg/kg	UJ	c	CCV %D	20.6	20 %
4401901531	PCDB-11-10.0-20170811-FD	8/11/2017	8260B	67-64-1	Acetone		U	0.0078	0.019	mg/kg	UJ	c	CCV %D	20.7	20 %
4401901531	PCDB-11-10.0-20170811-FD	8/11/2017	8260B	75-71-8	Dichlorodifluoromethane		U	0.00097	0.0019	mg/kg	UJ	c	ICV, CCV %D	39.8,21.8	20 %
4401901531	PCDB-11-20.0-20170811	8/11/2017	8260B	75-01-4	Vinyl Chloride		U	0.0010	0.0021	mg/kg	UJ	c	ICV %D	24.2	20 %
4401901531	PCDB-11-20.0-20170811	8/11/2017	8260B	75-09-2	Methylene Chloride		U	0.0051	0.010	mg/kg	UJ	c	CCV %D	20.6	20 %
4401901531	PCDB-11-20.0-20170811	8/11/2017	8260B	75-71-8	Dichlorodifluoromethane		U	0.0010	0.0021	mg/kg	UJ	c	ICV, CCV %D	39.8,21.8	20 %
4401901531	PCDB-11-20.0-20170811	8/11/2017	8260B	67-64-1	Acetone		UF1	0.0082	0.021	mg/kg	UJ	c	CCV %D	20.7	20 %
4401901531	PCDB-11-20.0-20170811	8/11/2017	8260B	87-68-3	Hexachlorobutadiene		UF2F1	0.0010	0.0021	mg/kg	UJ	m	MS/MSD %R	47,-	50-145 %
4401901531	PCDB-11-20.0-20170811	8/11/2017	8260B	74-87-3	Chloromethane		U	0.0010	0.0021	mg/kg	UJ	c	ICV %D	32.4	20 %
4401901531	PCDB-11-30.0-20170811	8/11/2017	8260B	75-09-2	Methylene Chloride		U	0.0053	0.011	mg/kg	UJ	c	CCV %D	20.6	20 %
4401901531	PCDB-11-30.0-20170811	8/11/2017	8260B	75-71-8	Dichlorodifluoromethane		U	0.0011	0.0021	mg/kg	UJ	c	ICV, CCV %D	39.8,21.8	20 %
4401901531	PCDB-11-30.0-20170811	8/11/2017	8260B	67-64-1	Acetone		U	0.0085	0.021	mg/kg	UJ	c	CCV %D	20.7	20 %
4401901531	PCDB-11-30.0-20170811	8/11/2017	8260B	74-87-3	Chloromethane		U	0.0011	0.0021	mg/kg	UJ	c	ICV %D	32.4	20 %

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator <sup>1</sup>	Qualification Finding	Acceptance Criteria
4401901531	PCDB-11-30.0-20170811	8/11/2017	8260B	75-01-4	Vinyl Chloride		U	0.0011	0.0021	mg/kg	UJ	c	ICV %D	24.2	20 %
4401901531	PCDB-11-40.0-20170811	8/11/2017	8260B	75-01-4	Vinyl Chloride		U	0.0011	0.0023	mg/kg	UJ	c	ICV %D	24.2	20 %
4401901531	PCDB-11-40.0-20170811	8/11/2017	8260B	75-09-2	Methylene Chloride		U	0.0057	0.011	mg/kg	UJ	c	CCV %D	20.6	20 %
4401901531	PCDB-11-40.0-20170811	8/11/2017	8260B	75-71-8	Dichlorodifluoromethane		U	0.0011	0.0023	mg/kg	UJ	c	ICV, CCV %D	39.8,21.8	20 %
4401901531	PCDB-11-40.0-20170811	8/11/2017	8260B	67-64-1	Acetone		U	0.0091	0.023	mg/kg	UJ	c	CCV %D	20.7	20 %
4401901531	PCDB-11-40.0-20170811	8/11/2017	8260B	67-66-3	Chloroform	0.0024		0.00057	0.0011	mg/kg	J	fd	FD RPD	168	50 %
4401901531	PCDB-11-40.0-20170811	8/11/2017	8260B	74-87-3	Chloromethane		U	0.0011	0.0023	mg/kg	UJ	c	ICV %D	32.4	20 %
4401901531	PCDB-11-40.0-20170811-FD	8/11/2017	8260B	75-09-2	Methylene Chloride		U	0.0059	0.012	mg/kg	UJ	c	CCV %D	20.6	20 %
4401901531	PCDB-11-40.0-20170811-FD	8/11/2017	8260B	75-01-4	Vinyl Chloride		U	0.0012	0.0024	mg/kg	UJ	c	ICV %D	24.2	20 %
4401901531	PCDB-11-40.0-20170811-FD	8/11/2017	8260B	75-71-8	Dichlorodifluoromethane		U	0.0012	0.0024	mg/kg	UJ	c	ICV, CCV %D	39.8,21.8	20 %
4401901531	PCDB-11-40.0-20170811-FD	8/11/2017	8260B	67-66-3	Chloroform	0.028		0.00059	0.0012	mg/kg	J	fd	FD RPD	168	50 %
4401901531	PCDB-11-40.0-20170811-FD	8/11/2017	8260B	74-87-3	Chloromethane		U	0.0012	0.0024	mg/kg	UJ	c	ICV %D	32.4	20 %
4401901531	PCDB-11-40.0-20170811-FD	8/11/2017	8260B	67-64-1	Acetone		U	0.0095	0.024	mg/kg	UJ	c	CCV %D	20.7	20 %
4401901531	PCDB-11-5.0-20170811	8/11/2017	8260B	74-87-3	Chloromethane		U	0.00095	0.0019	mg/kg	UJ	c	ICV %D	32.4	20 %
4401901531	PCDB-11-5.0-20170811	8/11/2017	8260B	75-09-2	Methylene Chloride		U	0.0048	0.0095	mg/kg	UJ	c	CCV %D	20.6	20 %
4401901531	PCDB-11-5.0-20170811	8/11/2017	8260B	75-71-8	Dichlorodifluoromethane		U	0.00095	0.0019	mg/kg	UJ	c	ICV, CCV %D	39.8,21.8	20 %
4401901531	PCDB-11-5.0-20170811	8/11/2017	8260B	67-64-1	Acetone		U	0.0076	0.019	mg/kg	UJ	c	CCV %D	20.7	20 %
4401901531	PCDB-11-5.0-20170811	8/11/2017	8260B	75-01-4	Vinyl Chloride		U	0.00095	0.0019	mg/kg	UJ	c	ICV %D	24.2	20 %
4401901531	PCDB-11-5.0-20170811-TB	8/11/2017	8260B	75-01-4	Vinyl Chloride		U	0.0010	0.0020	mg/kg	UJ	c	ICV %D	24.2	20 %
4401901531	PCDB-11-5.0-20170811-TB	8/11/2017	8260B	75-09-2	Methylene Chloride		U	0.0050	0.010	mg/kg	UJ	c	CCV %D	20.6	20 %
4401901531	PCDB-11-5.0-20170811-TB	8/11/2017	8260B	75-71-8	Dichlorodifluoromethane		U	0.0010	0.0020	mg/kg	UJ	c	ICV, CCV %D	39.8,21.8	20 %
4401901531	PCDB-11-5.0-20170811-TB	8/11/2017	8260B	74-87-3	Chloromethane		U	0.0010	0.0020	mg/kg	UJ	c	ICV %D	32.4	20 %
4401901531	PCDB-11-5.0-20170811-TB	8/11/2017	8260B	67-64-1	Acetone		U	0.0080	0.020	mg/kg	UJ	c	CCV %D	20.7	20 %
4401901531	PCDB-11-50.0-20170811	8/11/2017	8260B	75-01-4	Vinyl Chloride		U	0.0011	0.0022	mg/kg	UJ	c	ICV %D	24.2	20 %
4401901531	PCDB-11-50.0-20170811	8/11/2017	8260B	74-87-3	Chloromethane		U	0.0011	0.0022	mg/kg	UJ	c	ICV %D	32.4	20 %
4401901531	PCDB-11-50.0-20170811	8/11/2017	8260B	67-64-1	Acetone		U	0.0087	0.022	mg/kg	UJ	c	CCV %D	20.7	20 %
4401901531	PCDB-11-50.0-20170811	8/11/2017	8260B	75-71-8	Dichlorodifluoromethane		U	0.0011	0.0022	mg/kg	UJ	c	ICV, CCV %D	39.8,21.8	20 %
4401901531	PCDB-11-50.0-20170811	8/11/2017	8260B	75-09-2	Methylene Chloride		U	0.0054	0.011	mg/kg	UJ	c	CCV %D	20.6	20 %
4401901531	PCDB-11-60.0-20170811	8/11/2017	8260B	95-50-1	1,2-Dichlorobenzene	0.00065	J	0.00049	0.00098	mg/kg	J	sp	< PQL		
4401901531	PCDB-11-60.0-20170811	8/11/2017	8260B	541-73-1	1,3-Dichlorobenzene	0.00088	J	0.00049	0.00098	mg/kg	J	sp	< PQL		
4401901531	PCDB-11-70.0-20170811	8/11/2017	8260B	541-73-1	1,3-Dichlorobenzene	0.00058	J	0.00054	0.0011	mg/kg	J	sp	< PQL		
4401901811	PCDB-10-30.0-20170812	8/12/2017	8260B	127-18-4	Tetrachloroethene	0.00062	J	0.00058	0.0012	mg/kg	J	sp	< PQL		
4401901811	PCDB-10-50.0-20170812	8/12/2017	8260B	541-73-1	1,3-Dichlorobenzene	0.00082	J	0.00061	0.0012	mg/kg	J	sp	< PQL		
4401901811	PCDB-10-50.0-20170812	8/12/2017	8260B	106-46-7	1,4-Dichlorobenzene	0.00072	J	0.00061	0.0012	mg/kg	J	sp	< PQL		
4401901811	PCDB-10-70.0-20170813	8/13/2017	8260B	75-09-2	Methylene Chloride	0.013	J	0.0076	0.015	mg/kg	J	sp	< PQL		
4401901811	PCDB-10-70.0-20170813	8/13/2017	8260B	108-88-3	Toluene	0.00097	J	0.00076	0.0015	mg/kg	J	sp	< PQL		
4401901811	PCDB-10-70.0-20170813-FD	8/13/2017	8260B	108-88-3	Toluene	0.00072	J	0.00064	0.0013	mg/kg	J	sp	< PQL		
4401901811	PCDB-10-70.0-20170813-FD	8/13/2017	8260B	75-01-4	Vinyl Chloride		U	0.0013	0.0026	mg/kg	UJ	c	ICV %D	24.2	20 %
4401901811	PCDB-10-70.0-20170813-FD	8/13/2017	8260B	75-71-8	Dichlorodifluoromethane		U	0.0013	0.0026	mg/kg	UJ	c	ICV, CCV %D	39.8,21.8	20 %
4401901811	PCDB-10-70.0-20170813-FD	8/13/2017	8260B	74-87-3	Chloromethane		U	0.0013	0.0026	mg/kg	UJ	c	ICV, CCV %D	32.4,20.7	20 %
4401901811	PCDB-10-70.0-20170813-FD	8/13/2017	8260B	75-09-2	Methylene Chloride	0.011	J	0.0064	0.013	mg/kg	J-	c,sp	CCV %D; < PQL	20.6	20 %
4401901811	PCDB-10-80.0-20170813	8/13/2017	8260B	75-09-2	Methylene Chloride	0.014	J	0.0077	0.015	mg/kg	J	sp	< PQL		
4401901811	PCDB-10-80.0-20170813	8/13/2017	8260B	108-90-7	Chlorobenzene	0.055	F1	0.00077	0.0015	mg/kg	J-	m	MS/MSD %R	-,68	70-130 %
4401901811	PCDB-10-80.0-20170813	8/13/2017	8260B	108-88-3	Toluene	0.00092	J	0.00077	0.0015	mg/kg	J	sp	< PQL		
4401901811	PCDB-10-80.0-20170813	8/13/2017	8260B	71-43-2	Benzene	0.19	F1F2	0.00077	0.0015	mg/kg	J	m,ld	MS/MSD %R, RPD	35,-26; 25	20; 65-130 %
4401901811	PCDB-10-80.0-20170813	8/13/2017	8260B	67-66-3	Chloroform	0.11	F1	0.00077	0.0015	mg/kg	J-	m	MS/MSD %R	-,59	65-135 %
4401901811	PCDB-13-30.0-20170813	8/13/2017	8260B	67-66-3	Chloroform	0.00093	J	0.00078	0.0016	mg/kg	J	sp	< PQL		
4401901811	PCDB-13-30.0-20170813	8/13/2017	8260B	95-50-1	1,2-Dichlorobenzene	0.0013	J	0.00078	0.0016	mg/kg	J	sp	< PQL		
4401901811	PCDB-13-30.0-20170813	8/13/2017	8260B	127-18-4	Tetrachloroethene	0.0011	J	0.00078	0.0016	mg/kg	J	sp	< PQL		
4401901811	PCDB-13-40.0-20170813	8/13/2017	8260B	56-23-5	Carbon Tetrachloride	0.00078	J	0.00068	0.0027	mg/kg	J	sp	< PQL		
4401901811	PCDB-13-40.0-20170813-FD	8/13/2017	8260B	56-23-5	Carbon Tetrachloride	0.0010	J	0.00077	0.0031	mg/kg	J	sp	< PQL		
4401901811	PCDB-13-50.0-20170813	8/13/2017	8260B	74-87-3	Chloromethane		U	0.0011	0.0022	mg/kg	UJ	c	ICV %D	32.4	20 %
4401901811	PCDB-13-50.0-20170813	8/13/2017	8260B	75-71-8	Dichlorodifluoromethane		U	0.0011	0.0022	mg/kg	UJ	c	ICV %D	39.8	20 %
4401901811	PCDB-13-50.0-20170813	8/13/2017	8260B	75-01-4	Vinyl Chloride		U	0.0011	0.0022	mg/kg	UJ	c	ICV %D	24.2	20 %
4401901811	PCDB-13-60.0-20170813	8/13/2017	8260B	106-46-7	1,4-Dichlorobenzene	0.00096	J	0.00061	0.0012	mg/kg	J	sp	< PQL		

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator <sup>1</sup>	Qualification Finding	Acceptance Criteria
4401901811	PCDB-13-60.0-20170813	8/13/2017	8260B	74-87-3	Chloromethane		U	0.0012	0.0025	mg/kg	UJ	c	ICV %D	32.4	20 %
4401901811	PCDB-13-60.0-20170813	8/13/2017	8260B	67-66-3	Chloroform	0.0011	J	0.00061	0.0012	mg/kg	J	sp	< PQL		
4401901811	PCDB-13-60.0-20170813	8/13/2017	8260B	75-71-8	Dichlorodifluoromethane		U	0.0012	0.0025	mg/kg	UJ	c	ICV %D	39.8	20 %
4401901811	PCDB-13-60.0-20170813	8/13/2017	8260B	75-01-4	Vinyl Chloride		U	0.0012	0.0025	mg/kg	UJ	c	ICV %D	24.2	20 %
4401901811	PCDB-13-70.0-20170813	8/13/2017	8260B	75-71-8	Dichlorodifluoromethane		U	0.0011	0.0022	mg/kg	UJ	c	ICV %D	39.8	20 %
4401901811	PCDB-13-70.0-20170813	8/13/2017	8260B	75-01-4	Vinyl Chloride		U	0.0011	0.0022	mg/kg	UJ	c	ICV %D	24.2	20 %
4401901811	PCDB-13-70.0-20170813	8/13/2017	8260B	74-87-3	Chloromethane		U	0.0011	0.0022	mg/kg	UJ	c	ICV %D	32.4	20 %
4401902771	PCDB-12-10.0-20170814-EB	8/14/2017	8260B	75-09-2	Methylene Chloride	1.1	J	0.88	2.0	ug/l	J	bt,sp	TB contamination; < PQL	0.94	1.88 ug/L
4401902771	PCDB-12-10.0-20170814-EBTB	8/14/2017	8260B	75-09-2	Methylene Chloride	0.94	J	0.88	2.0	ug/l	J	sp	< PQL		
4401902771	PCDB-12-20.0-20170814	8/14/2017	8260B	67-64-1	Acetone		U	0.0090	0.022	mg/kg	UJ	c	CCV %D	27.1	20 %
4401902771	PCDB-12-30.0-20170814	8/14/2017	8260B	67-64-1	Acetone		U	0.011	0.027	mg/kg	UJ	c	CCV %D	27.1	20 %
4401902771	PCDB-12-5.0-20170814	8/14/2017	8260B	67-64-1	Acetone		U	0.0083	0.021	mg/kg	UJ	c	CCV %D	27.1	20 %
4401902771	PCDB-12-60.0-20170814	8/14/2017	8260B	67-64-1	Acetone		U	0.0098	0.025	mg/kg	UJ	c	CCV %D	27.1	20 %
4401902771	PCDB-12-60.0-20170814	8/14/2017	8260B	67-66-3	Chloroform	0.00077	J	0.00061	0.0012	mg/kg	J	sp	< PQL		
4401902771	PCDB-12-60.0-20170814-FD	8/14/2017	8260B	67-64-1	Acetone		U	0.0088	0.022	mg/kg	UJ	c	CCV %D	27.1	20 %
4401902771	PCDB-13-80.0-20170814	8/14/2017	8260B	79-01-6	Trichloroethene	0.00059	J	0.00053	0.0011	mg/kg	J	sp	< PQL		
4401902771	PCDB-13-80.0-20170814-FD	8/14/2017	8260B	79-01-6	Trichloroethene	0.00070	J	0.00051	0.0010	mg/kg	J	sp	< PQL		
4401902771	PCDB-13-80.0-20170814-FD	8/14/2017	8260B	95-50-1	1,2-Dichlorobenzene	0.00053	J	0.00051	0.0010	mg/kg	J	sp	< PQL		
4401902771	PCDB-13-80.0-20170814-TB	8/14/2017	8260B	67-64-1	Acetone		U	0.0080	0.020	mg/kg	UJ	c	CCV %D	27.1	20 %
4401902771	PCDB-13-90.0-20170814	8/14/2017	8260B	67-64-1	Acetone		U	0.011	0.027	mg/kg	UJ	c	CCV %D	27.1	20 %
4401903181	PCDB-12-70.0-20170814	8/14/2017	8260B	75-01-4	Vinyl Chloride		U	0.0013	0.0026	mg/kg	UJ	c	ICV %D	24.2	20 %
4401903181	PCDB-12-70.0-20170814	8/14/2017	8260B	74-87-3	Chloromethane		U	0.0013	0.0026	mg/kg	UJ	c	ICV %D	32.4	20 %
4401903181	PCDB-12-70.0-20170814	8/14/2017	8260B	78-93-3	2-Butanone		U	0.0064	0.013	mg/kg	UJ	c	CCV %D	24.3	20 %
4401903181	PCDB-12-70.0-20170814	8/14/2017	8260B	75-71-8	Dichlorodifluoromethane		U	0.0013	0.0026	mg/kg	UJ	c	ICV %D	39.8	20 %
4401903181	PCDB-12-70.0-20170814-TB	8/14/2017	8260B	74-87-3	Chloromethane		U	0.0010	0.0020	mg/kg	UJ	c	ICV %D	32.4	20 %
4401903181	PCDB-12-70.0-20170814-TB	8/14/2017	8260B	75-01-4	Vinyl Chloride		U	0.0010	0.0020	mg/kg	UJ	c	ICV %D	24.2	20 %
4401903181	PCDB-12-70.0-20170814-TB	8/14/2017	8260B	78-93-3	2-Butanone		U	0.0050	0.010	mg/kg	UJ	c	CCV %D	24.3	20 %
4401903181	PCDB-12-70.0-20170814-TB	8/14/2017	8260B	75-71-8	Dichlorodifluoromethane		U	0.0010	0.0020	mg/kg	UJ	c	ICV %D	39.8	20 %
4401903181	PCDB-12-80.0-20170814	8/14/2017	8260B	541-73-1	1,3-Dichlorobenzene	0.00079	J	0.00060	0.0012	mg/kg	J	sp	< PQL		
4401903181	PCDB-12-90.0-20170814-FD	8/14/2017	8260B	67-64-1	Acetone		U	0.011	0.027	mg/kg	UJ	c	CCV %D	27.1	20 %
4401903181	PCDB-5-10.0-20170815	8/15/2017	8260B	67-64-1	Acetone		U	0.0078	0.019	mg/kg	UJ	c	CCV %D	27.1	20 %
4401903181	PCDB-5-20.0-20170815	8/15/2017	8260B	67-64-1	Acetone		U	0.0080	0.020	mg/kg	UJ	c	CCV %D	27.1	20 %
4401903181	PCDB-5-20.0-20170815-FD	8/15/2017	8260B	74-87-3	Chloromethane		U	0.00093	0.0019	mg/kg	UJ	c	ICV %D	32.4	20 %
4401903181	PCDB-5-20.0-20170815-FD	8/15/2017	8260B	75-01-4	Vinyl Chloride		U	0.00093	0.0019	mg/kg	UJ	c	ICV %D	24.2	20 %
4401903181	PCDB-5-20.0-20170815-FD	8/15/2017	8260B	75-71-8	Dichlorodifluoromethane		U	0.00093	0.0019	mg/kg	UJ	c	ICV %D	39.8	20 %
4401903181	PCDB-5-20.0-20170815-FD	8/15/2017	8260B	78-93-3	2-Butanone		U	0.0046	0.0093	mg/kg	UJ	c	CCV %D	24.3	20 %
4401903181	PCDB-5-30.0-20170815	8/15/2017	8260B	75-71-8	Dichlorodifluoromethane		U	0.0011	0.0021	mg/kg	UJ	c	ICV %D	39.8	20 %
4401903181	PCDB-5-30.0-20170815	8/15/2017	8260B	67-64-1	Acetone	0.012	J	0.0086	0.021	mg/kg	J	sp	< PQL		
4401903181	PCDB-5-30.0-20170815	8/15/2017	8260B	75-01-4	Vinyl Chloride		U	0.0011	0.0021	mg/kg	UJ	c	ICV %D	24.2	20 %
4401903181	PCDB-5-30.0-20170815	8/15/2017	8260B	74-87-3	Chloromethane		U	0.0011	0.0021	mg/kg	UJ	c	ICV %D	32.4	20 %
4401903181	PCDB-5-30.0-20170815	8/15/2017	8260B	78-93-3	2-Butanone		U	0.0054	0.011	mg/kg	UJ	c	CCV %D	24.3	20 %
4401903181	PCDB-5-40.0-20170815	8/15/2017	8260B	78-93-3	2-Butanone		U	0.0058	0.012	mg/kg	UJ	c	CCV %D	24.3	20 %
4401903181	PCDB-5-40.0-20170815	8/15/2017	8260B	75-71-8	Dichlorodifluoromethane		U	0.0012	0.0023	mg/kg	UJ	c	ICV %D	39.8	20 %
4401903181	PCDB-5-40.0-20170815	8/15/2017	8260B	75-01-4	Vinyl Chloride		U	0.0012	0.0023	mg/kg	UJ	c	ICV %D	24.2	20 %
4401903181	PCDB-5-40.0-20170815	8/15/2017	8260B	74-87-3	Chloromethane		U	0.0012	0.0023	mg/kg	UJ	c	ICV %D	32.4	20 %
4401903181	PCDB-5-5.0-20170815	8/15/2017	8260B	67-64-1	Acetone		U	0.0079	0.020	mg/kg	UJ	c	CCV %D	27.1	20 %
4401903181	PCDB-5-50.0-20170815	8/15/2017	8260B	74-87-3	Chloromethane		U	0.0016	0.0032	mg/kg	UJ	c	ICV %D	32.4	20 %
4401903181	PCDB-5-50.0-20170815	8/15/2017	8260B	78-93-3	2-Butanone		U	0.0080	0.016	mg/kg	UJ	c	CCV %D	24.3	20 %
4401903181	PCDB-5-50.0-20170815	8/15/2017	8260B	75-71-8	Dichlorodifluoromethane		U	0.0016	0.0032	mg/kg	UJ	c	ICV %D	39.8	20 %
4401903181	PCDB-5-50.0-20170815	8/15/2017	8260B	75-01-4	Vinyl Chloride		U	0.0016	0.0032	mg/kg	UJ	c	ICV %D	24.2	20 %
4401903181	PCDB-5-60.0-20170815	8/15/2017	8260B	78-93-3	2-Butanone		U	0.0075	0.015	mg/kg	UJ	c	CCV %D	24.3	20 %
4401903181	PCDB-5-60.0-20170815	8/15/2017	8260B	67-64-1	Acetone	0.021	J	0.012	0.030	mg/kg	J	sp	< PQL		
4401903181	PCDB-5-60.0-20170815	8/15/2017	8260B	75-71-8	Dichlorodifluoromethane		U	0.0015	0.0030	mg/kg	UJ	c	ICV %D	39.8	20 %
4401903181	PCDB-5-60.0-20170815	8/15/2017	8260B	75-01-4	Vinyl Chloride		U	0.0015	0.0030	mg/kg	UJ	c	ICV %D	24.2	20 %
4401903181	PCDB-5-60.0-20170815	8/15/2017	8260B	67-66-3	Chloroform	0.0012	J	0.00075	0.0015	mg/kg	J	sp	< PQL		



Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator <sup>1</sup>	Qualification Finding	Acceptance Criteria
4401903181	PCDB-5-60.0-20170815	8/15/2017	8260B	74-87-3	Chloromethane		U	0.0015	0.0030	mg/kg	UJ	c	ICV %D	32.4	20 %
4401903181	PCDB-5-60.0-20170815-FD	8/15/2017	8260B	75-71-8	Dichlorodifluoromethane		U	0.0014	0.0027	mg/kg	UJ	c	ICV %D	39.8	20 %
4401903181	PCDB-5-60.0-20170815-FD	8/15/2017	8260B	74-87-3	Chloromethane		U	0.0014	0.0027	mg/kg	UJ	c	ICV %D	32.4	20 %
4401903181	PCDB-5-60.0-20170815-FD	8/15/2017	8260B	78-93-3	2-Butanone		U	0.0069	0.014	mg/kg	UJ	c	CCV %D	24.3	20 %
4401903181	PCDB-5-60.0-20170815-FD	8/15/2017	8260B	75-01-4	Vinyl Chloride		U	0.0014	0.0027	mg/kg	UJ	c	ICV %D	24.2	20 %
4401903181	PCDB-5-70.0-20170815	8/15/2017	8260B	74-87-3	Chloromethane		U	0.0020	0.0039	mg/kg	UJ	c	ICV %D	32.4	20 %
4401903181	PCDB-5-70.0-20170815	8/15/2017	8260B	78-93-3	2-Butanone		U	0.0098	0.020	mg/kg	UJ	c	CCV %D	24.3	20 %
4401903181	PCDB-5-70.0-20170815	8/15/2017	8260B	75-71-8	Dichlorodifluoromethane		U	0.0020	0.0039	mg/kg	UJ	c	ICV %D	39.8	20 %
4401903181	PCDB-5-70.0-20170815	8/15/2017	8260B	75-01-4	Vinyl Chloride		U	0.0020	0.0039	mg/kg	UJ	c	ICV %D	24.2	20 %
4401903181	PCDB-5-80.0-20170815	8/15/2017	8260B	75-71-8	Dichlorodifluoromethane		U	0.0012	0.0025	mg/kg	UJ	c	ICV %D	39.8	20 %
4401903181	PCDB-5-80.0-20170815	8/15/2017	8260B	75-01-4	Vinyl Chloride		U	0.0012	0.0025	mg/kg	UJ	c	ICV %D	24.2	20 %
4401903181	PCDB-5-80.0-20170815	8/15/2017	8260B	74-87-3	Chloromethane		U	0.0012	0.0025	mg/kg	UJ	c	ICV %D	32.4	20 %
4401903181	PCDB-5-80.0-20170815	8/15/2017	8260B	78-93-3	2-Butanone		U	0.0062	0.012	mg/kg	UJ	c	CCV %D	24.3	20 %
4401903181	PCDB-5-90.0-20170815	8/15/2017	8260B	74-87-3	Chloromethane		U	0.0013	0.0026	mg/kg	UJ	c	ICV %D	32.4	20 %
4401903181	PCDB-5-90.0-20170815	8/15/2017	8260B	78-93-3	2-Butanone		U	0.0065	0.013	mg/kg	UJ	c	CCV %D	24.3	20 %
4401903181	PCDB-5-90.0-20170815	8/15/2017	8260B	67-64-1	Acetone	0.019	J	0.010	0.026	mg/kg	J	sp	< PQL		
4401903181	PCDB-5-90.0-20170815	8/15/2017	8260B	75-71-8	Dichlorodifluoromethane		U	0.0013	0.0026	mg/kg	UJ	c	ICV %D	39.8	20 %
4401903181	PCDB-5-90.0-20170815	8/15/2017	8260B	75-01-4	Vinyl Chloride		U	0.0013	0.0026	mg/kg	UJ	c	ICV %D	24.2	20 %
4401907511	H-48-20170822	8/22/2017	8260B	95-50-1	1,2-Dichlorobenzene	0.43	J	0.25	0.50	ug/l	J	sp	< PQL		
4401907511	H-48-20170822	8/22/2017	8260B	120-82-1	1,2,4-Trichlorobenzene	0.69	J	0.40	1.0	ug/l	J	sp	< PQL		
4401907511	H-56A-20170822	8/22/2017	8260B	100-42-5	Styrene		UF1	0.25	0.50	ug/l	R	m	MS/MSD %R	0,0	29-150 %
4401907511	H-56A-20170822-TB	8/22/2017	8260B	75-09-2	Methylene Chloride	1.2	J	0.88	2.0	ug/l	J	sp	< PQL		
4401907511	H-58A-20170822	8/22/2017	8260B	67-66-3	Chloroform	0.39	J	0.25	0.50	ug/l	J	sp	< PQL		
4401907511	MC-62-20170822	8/22/2017	8260B	79-01-6	Trichloroethene	0.46	J	0.25	0.50	ug/l	J	sp	< PQL		
4401907511	MC-62-20170822	8/22/2017	8260B	71-43-2	Benzene	0.47	J	0.25	0.50	ug/l	J	sp	< PQL		
4401908481	MC-61-20170823	8/23/2017	8260B	87-61-6	1,2,3-Trichlorobenzene	0.68	J	0.40	1.0	ug/l	J	sp	< PQL		
4401908481	MC-61-20170823	8/23/2017	8260B	75-34-3	1,1-Dichloroethane	0.43	J	0.25	0.50	ug/l	J	sp	< PQL		
4401908481	MC-61-20170823	8/23/2017	8260B	67-66-3	Chloroform	0.44	J	0.25	0.50	ug/l	J	sp	< PQL		
4401908481	MC-63-20170823	8/23/2017	8260B	541-73-1	1,3-Dichlorobenzene	0.25	J	0.25	0.50	ug/l	J	sp	< PQL		
4401908481	MC-63-20170823	8/23/2017	8260B	106-46-7	1,4-Dichlorobenzene	0.25	J	0.25	0.50	ug/l	J	sp	< PQL		
4401908481	MC-63-20170823	8/23/2017	8260B	127-18-4	Tetrachloroethene	0.39	J	0.25	0.50	ug/l	J	sp	< PQL		
4401908481	MC-63-20170823	8/23/2017	8260B	95-50-1	1,2-Dichlorobenzene	0.46	J	0.25	0.50	ug/l	J	sp	< PQL		
4401908481	MC-65-20170823	8/23/2017	8260B	541-73-1	1,3-Dichlorobenzene	0.42	J	0.25	0.50	ug/l	J	sp	< PQL		
4401908481	MC-66-20170823	8/23/2017	8260B	56-23-5	Carbon Tetrachloride	0.34	J	0.25	0.50	ug/l	J	sp	< PQL		
4401908481	MC-MW-37-20170823	8/23/2017	8260B	56-23-5	Carbon Tetrachloride	0.38	J	0.25	0.50	ug/l	J	sp	< PQL		
4401908481	MC-MW-37-20170823	8/23/2017	8260B	79-01-6	Trichloroethene	0.36	J	0.25	0.50	ug/l	J	sp	< PQL		
4401908481	MC-MW-37-20170823	8/23/2017	8260B	95-50-1	1,2-Dichlorobenzene	0.37	J	0.25	0.50	ug/l	J	sp	< PQL		
4401908481	MC-MW-37-20170823	8/23/2017	8260B	100-42-5	Styrene		UF2FI	0.25	0.50	ug/l	UJ	m	MS/MSD %R	-,16	29-150 %
4401908481	PC-73-20170823	8/23/2017	8260B	106-46-7	1,4-Dichlorobenzene	0.38	J	0.25	0.50	ug/l	J	sp	< PQL		
4401909491	M-44-20170824	8/24/2017	8260B	75-09-2	Methylene Chloride	1.0	J	0.88	2.0	ug/l	J	sp	< PQL		
4401909491	M-44-20170824	8/24/2017	8260B	79-01-6	Trichloroethene	0.49	J	0.25	0.50	ug/l	J	sp	< PQL		
4401909491	MC-MW-38-20170824	8/24/2017	8260B	79-01-6	Trichloroethene	0.35	J	0.25	0.50	ug/l	J	sp	< PQL		
4401909491	MC-MW-38-20170824	8/24/2017	8260B	67-66-3	Chloroform	0.38	J	0.25	0.50	ug/l	J	sp	< PQL		
4401909491	PC-37-20170824	8/24/2017	8260B	95-50-1	1,2-Dichlorobenzene	0.31	J	0.25	0.50	ug/l	J	sp	< PQL		
4401909491	PC-37-20170824	8/24/2017	8260B	75-34-3	1,1-Dichloroethane	0.32	J	0.25	0.50	ug/l	J	sp	< PQL		
4401909491	PC-71-20170824	8/24/2017	8260B	79-01-6	Trichloroethene	0.49	J	0.25	0.50	ug/l	J	sp	< PQL		
4401909491	PC-72-20170824	8/24/2017	8260B	79-01-6	Trichloroethene	0.48	J	0.25	0.50	ug/l	J	sp	< PQL		
4401910761	PCDB-14-40.0-20170826	8/26/2017	8260B	127-18-4	Tetrachloroethene	0.0011	J	0.00075	0.0015	mg/kg	J	sp	< PQL		
4401910761	PCDB-14-40.0-20170826	8/26/2017	8260B	541-73-1	1,3-Dichlorobenzene	0.00088	J	0.00075	0.0015	mg/kg	J	sp	< PQL		
4401910761	PCDB-14-5.0-20170826-TB	8/26/2017	8260B	74-87-3	Chloromethane		U	0.0010	0.0020	mg/kg	UJ	c	ICV %D	32.4	20 %
4401910761	PCDB-14-5.0-20170826-TB	8/26/2017	8260B	75-01-4	Vinyl Chloride		U	0.0010	0.0020	mg/kg	UJ	c	ICV %D	24.2	20 %
4401910761	PCDB-14-5.0-20170826-TB	8/26/2017	8260B	78-93-3	2-Butanone		U	0.0050	0.010	mg/kg	UJ	c	CCV %D	20.4	20 %
4401910761	PCDB-14-5.0-20170826-TB	8/26/2017	8260B	75-71-8	Dichlorodifluoromethane		U	0.0010	0.0020	mg/kg	UJ	c	ICV %D	39.8	20 %
4401910761	PCDB-14-5.0-20170826-TB	8/26/2017	8260B	67-64-1	Acetone		U	0.0080	0.020	mg/kg	UJ	c	CCV %D	26.5	20 %
4401910761	PCDB-14-60.0-20170826	8/26/2017	8260B	75-01-4	Vinyl Chloride		U	0.0015	0.0029	mg/kg	UJ	c	ICV %D	24.2	20 %

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator <sup>1</sup>	Qualification Finding	Acceptance Criteria
4401910761	PCDB-14-60.0-20170826	8/26/2017	8260B	75-71-8	Dichlorodifluoromethane		U	0.0015	0.0029	mg/kg	UJ	c	ICV %D	39.8	20 %
4401910761	PCDB-14-60.0-20170826	8/26/2017	8260B	78-93-3	2-Butanone		U	0.0073	0.015	mg/kg	UJ	c	CCV %D	26.6	20 %
4401910761	PCDB-14-60.0-20170826	8/26/2017	8260B	56-23-5	Carbon Tetrachloride	0.0014	J	0.00073	0.0029	mg/kg	J	sp	< PQL		
4401910761	PCDB-14-60.0-20170826	8/26/2017	8260B	74-87-3	Chloromethane		U	0.0015	0.0029	mg/kg	UJ	c	ICV %D	32.4	20 %
4401910761	PCDB-14-80.0-20170826	8/26/2017	8260B	78-93-3	2-Butanone		U	0.0064	0.013	mg/kg	UJ	c	CCV %D	26.6	20 %
4401910761	PCDB-14-80.0-20170826	8/26/2017	8260B	75-71-8	Dichlorodifluoromethane		U	0.0013	0.0026	mg/kg	UJ	c	ICV %D	39.8	20 %
4401910761	PCDB-14-80.0-20170826	8/26/2017	8260B	75-01-4	Vinyl Chloride		U	0.0013	0.0026	mg/kg	UJ	c	ICV %D	24.2	20 %
4401910761	PCDB-14-80.0-20170826	8/26/2017	8260B	74-87-3	Chloromethane		U	0.0013	0.0026	mg/kg	UJ	c	ICV %D	32.4	20 %
4401910761	PCDB-14-80.0-20170826-FD	8/26/2017	8260B	74-87-3	Chloromethane		U	0.0012	0.0025	mg/kg	UJ	c	ICV %D	32.4	20 %
4401910761	PCDB-14-80.0-20170826-FD	8/26/2017	8260B	75-71-8	Dichlorodifluoromethane		U	0.0012	0.0025	mg/kg	UJ	c	ICV %D	39.8	20 %
4401910761	PCDB-14-80.0-20170826-FD	8/26/2017	8260B	78-93-3	2-Butanone		U	0.0062	0.012	mg/kg	UJ	c	CCV %D	26.6	20 %
4401910761	PCDB-14-80.0-20170826-FD	8/26/2017	8260B	75-01-4	Vinyl Chloride		U	0.0012	0.0025	mg/kg	UJ	c	ICV %D	24.2	20 %
4401914941	M-238-20170905	9/5/2017	8260B	56-23-5	Carbon Tetrachloride	0.33	J	0.25	0.50	ug/l	J	sp	< PQL		
4401915841	M-205-20170906	9/6/2017	8260B	106-46-7	1,4-Dichlorobenzene	0.26	J	0.25	0.50	ug/l	J	sp	< PQL		
4401915841	M-234-20170906	9/6/2017	8260B	127-18-4	Tetrachloroethene	1.1	J	0.63	1.3	ug/l	J	sp	< PQL		
4401915841	M-234-20170906	9/6/2017	8260B	79-01-6	Trichloroethene	0.77	J	0.63	1.3	ug/l	J	sp	< PQL		
4401915841	M-234-20170906-FB	9/6/2017	8260B	75-09-2	Methylene Chloride	1.6	J	0.88	2.0	ug/l	J	bt,sp	TB contamination; < PQL	1.6	3.2 ug/L
4401915841	M-234-20170906-TB	9/6/2017	8260B	75-09-2	Methylene Chloride	1.6	J	0.88	2.0	ug/l	J	sp	< PQL		
4401915841	M-236-20170906	9/6/2017	8260B	107-06-2	1,2-Dichloroethane	0.28	J	0.25	0.50	ug/l	J	sp	< PQL		
4401915841	M-236-20170906	9/6/2017	8260B	75-09-2	Methylene Chloride	1.7	J	0.88	2.0	ug/l	J	bt,sp	TB contamination; < PQL	1.6	3.2 ug/L
4401915841	M-236-20170906	9/6/2017	8260B	75-35-4	1,1-Dichloroethene	0.36	J	0.25	0.50	ug/l	J	sp	< PQL		
4401915841	M-236-20170906-FD	9/6/2017	8260B	75-09-2	Methylene Chloride	1.6	J	0.88	2.0	ug/l	J	bt,sp	TB contamination; < PQL	1.6	3.2 ug/L
4401915841	M-236-20170906-FD	9/6/2017	8260B	107-06-2	1,2-Dichloroethane	0.26	J	0.25	0.50	ug/l	J	sp	< PQL		
4401916911	M-207-20170907	9/7/2017	8260B	79-01-6	Trichloroethene	0.33	J	0.25	0.50	ug/l	J	sp	< PQL		
4401916911	M-208-20170907	9/7/2017	8260B	106-46-7	1,4-Dichlorobenzene	0.36	J	0.25	0.50	ug/l	J	sp	< PQL		
4401916911	M-208-20170907	9/7/2017	8260B	79-01-6	Trichloroethene	0.34	J	0.25	0.50	ug/l	J	sp	< PQL		
4401916911	M-208-20170907	9/7/2017	8260B	127-18-4	Tetrachloroethene	0.42	J	0.25	0.50	ug/l	J	sp	< PQL		
4401916911	M-209-20170907	9/7/2017	8260B	75-27-4	Bromodichloromethane	0.38	J	0.25	0.50	ug/l	J	sp	< PQL		
4401916911	M-212-20170907	9/7/2017	8260B	74-87-3	Chloromethane	0.29	J	0.25	0.50	ug/l	J	sp	< PQL		
4401916911	M-212-20170907	9/7/2017	8260B	75-27-4	Bromodichloromethane	0.48	J	0.25	0.50	ug/l	J	sp	< PQL		
4401916911	M-213-20170907	9/7/2017	8260B	74-87-3	Chloromethane	0.25	J	0.25	0.50	ug/l	J	sp	< PQL		
4401917751	M-242-20170908	9/8/2017	8260B	79-01-6	Trichloroethene	0.82	J	0.50	1.0	ug/l	J	sp	< PQL		
4401917751	M-243-20170908-FD	9/8/2017	8260B	75-09-2	Methylene Chloride	1.2	J	0.88	2.0	ug/l	J	sp	< PQL		
4401917751	M-245-20170908	9/8/2017	8260B	106-46-7	1,4-Dichlorobenzene	0.41	J	0.25	0.50	ug/l	J	sp	< PQL		
4401917751	M-245-20170908	9/8/2017	8260B	95-50-1	1,2-Dichlorobenzene	0.31	J	0.25	0.50	ug/l	J	sp	< PQL		
4401919071	M-229-20170911	9/11/2017	8260B	75-09-2	Methylene Chloride	5.6	J	4.4	10	ug/l	J	sp	< PQL		
4401919071	PC-170-20170911	9/11/2017	8260B	541-73-1	1,3-Dichlorobenzene	0.49	J	0.25	0.50	ug/l	J	sp	< PQL		
4401919071	PC-173-20170911	9/11/2017	8260B	120-82-1	1,2,4-Trichlorobenzene	1.7	J	0.80	2.0	ug/l	J	sp	< PQL		
4401919071	PC-173-20170911	9/11/2017	8260B	127-18-4	Tetrachloroethene	0.65	J	0.50	1.0	ug/l	J	sp	< PQL		
4401919071	PC-173-20170911	9/11/2017	8260B	75-09-2	Methylene Chloride	2.4	J	1.8	4.0	ug/l	J	sp	< PQL		
4401919071	PC-173-20170911-FD	9/11/2017	8260B	75-09-2	Methylene Chloride	2.5	J	1.8	4.0	ug/l	J	sp	< PQL		
4401919071	PC-173-20170911-FD	9/11/2017	8260B	127-18-4	Tetrachloroethene	0.66	J	0.50	1.0	ug/l	J	sp	< PQL		
4401919071	PC-173-20170911-FD	9/11/2017	8260B	120-82-1	1,2,4-Trichlorobenzene	1.5	J	0.80	2.0	ug/l	J	sp	< PQL		
4401919791	PC-180-20170912	9/12/2017	8260B	107-06-2	1,2-Dichloroethane	0.46	J	0.25	0.50	ug/l	J	sp	< PQL		
4401919791	PC-180-20170912	9/12/2017	8260B	79-01-6	Trichloroethene	0.34	J	0.25	0.50	ug/l	J	sp	< PQL		
4401919791	PC-180-20170912	9/12/2017	8260B	75-09-2	Methylene Chloride	1.6	J	0.88	2.0	ug/l	J	sp	< PQL		
4401919791	PC-181-20170912	9/12/2017	8260B	108-88-3	Toluene	0.31	J	0.25	0.50	ug/l	J	sp	< PQL		
4401919791	PC-181-20170912	9/12/2017	8260B	75-09-2	Methylene Chloride	1.9	J	0.88	2.0	ug/l	J	sp	< PQL		
4401919791	PC-182-20170912	9/12/2017	8260B	67-66-3	Chloroform	0.34	J	0.25	0.50	ug/l	J	sp	< PQL		
4401919791	PC-183-20170912	9/12/2017	8260B	75-25-2	Bromoform	0.57	J	0.40	1.0	ug/l	J	sp	< PQL		
4401919791	PC-183-20170912	9/12/2017	8260B	75-09-2	Methylene Chloride	1.8	J	0.88	2.0	ug/l	J	sp	< PQL		
4401919791	PC-183-20170912	9/12/2017	8260B	107-06-2	1,2-Dichloroethane	0.38	J	0.25	0.50	ug/l	J	sp	< PQL		
4401919791	PC-183-20170912	9/12/2017	8260B	79-01-6	Trichloroethene	0.42	J	0.25	0.50	ug/l	J	sp	< PQL		
4401920091	PC-184-20170912	9/12/2017	8260B	107-06-2	1,2-Dichloroethane	0.42	J	0.25	0.50	ug/l	J	sp	< PQL		
4401920091	PC-187-20170912	9/12/2017	8260B	75-09-2	Methylene Chloride	1.9	J	1.8	4.0	ug/l	J	sp	< PQL		

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator <sup>1</sup>	Qualification Finding	Acceptance Criteria
4401921061	M-230-20170913	9/13/2017	8260B	56-23-5	Carbon Tetrachloride	0.74	J	0.50	1.0	ug/l	J	sp	< PQL		
4401921061	PC-161-20170913	9/13/2017	8260B	67-66-3	Chloroform	0.34	J	0.25	0.50	ug/l	J	sp	< PQL		
4401921061	PC-161-20170913	9/13/2017	8260B	87-61-6	1,2,3-Trichlorobenzene	0.59	J	0.40	1.0	ug/l	J	sp	< PQL		
4401921141	M-211-20170913	9/13/2017	8260B	541-73-1	1,3-Dichlorobenzene	0.26	J	0.25	0.50	ug/l	J	sp	< PQL		
4401922171	M-235-20170914	9/14/2017	8260B	96-18-4	1,2,3-Trichloropropane	0.86	J	0.40	1.0	ug/l	J	sp	< PQL		
4401922171	M-235-20170914	9/14/2017	8260B	75-34-3	1,1-Dichloroethane	0.29	J	0.25	0.50	ug/l	J	sp	< PQL		
4401922171	M-235-20170914	9/14/2017	8260B	78-87-5	1,2-Dichloropropane	0.43	J	0.25	0.50	ug/l	J	sp	< PQL		
4401922531	PC-166-20170914	9/14/2017	8260B	98-06-6	tert-Butylbenzene	0.34	J	0.25	0.50	ug/l	J	sp	< PQL		
4401922531	PC-166-20170914	9/14/2017	8260B	87-61-6	1,2,3-Trichlorobenzene	0.84	J	0.40	1.0	ug/l	J	sp	< PQL		
4401923381	PC-167-20170915	9/15/2017	8260B	95-50-1	1,2-Dichlorobenzene	0.36	J	0.25	0.50	ug/l	J	sp	< PQL		
4401923381	PC-167-20170915	9/15/2017	8260B	79-01-6	Trichloroethene	0.44	J	0.25	0.50	ug/l	J	sp	< PQL		
4401923381	PC-171-20170915	9/15/2017	8260B	75-27-4	Bromodichloromethane	0.26	J	0.25	0.50	ug/l	J	sp	< PQL		
4401925701	PCDB-9-20.0-20170919	9/19/2017	8260B	56-23-5	Carbon Tetrachloride	0.0016	J	0.00059	0.0024	mg/kg	J	sp	< PQL		
4401925701	PCDB-9-20.0-20170919	9/19/2017	8260B	78-93-3	2-Butanone		U	0.0059	0.012	mg/kg	UJ	c	CCV %D	20.5	20 %
4401925701	PCDB-9-20.0-20170919	9/19/2017	8260B	95-50-1	1,2-Dichlorobenzene	0.00092	J	0.00059	0.0012	mg/kg	J	sp	< PQL		
4401925701	PCDB-9-20.0-20170919-TB	9/19/2017	8260B	78-93-3	2-Butanone		U	0.0050	0.010	mg/kg	UJ	c	CCV %D	20.5	20 %
4401925701	PCDB-9-30.0-20170919	9/19/2017	8260B	78-93-3	2-Butanone		U	0.0083	0.017	mg/kg	UJ	c	CCV %D	20.5	20 %
4401925701	PCDB-9-30.0-20170919-FD	9/19/2017	8260B	78-93-3	2-Butanone		U	0.0081	0.016	mg/kg	UJ	c	CCV %D	20.5	20 %
4401925701	PCDB-9-40.0-20170919	9/19/2017	8260B	78-93-3	2-Butanone		U	0.0066	0.013	mg/kg	UJ	c	CCV %D	20.5	20 %
4401925701	PCDB-9-50.0-20170919	9/19/2017	8260B	78-93-3	2-Butanone		U	0.0079	0.016	mg/kg	UJ	c	CCV %D	20.5	20 %
4401925701	PCDB-9-50.0-20170919	9/19/2017	8260B	75-25-2	Bromoform	0.0022	J	0.0016	0.0032	mg/kg	J	sp	< PQL		
4401925701	PCDB-9-50.0-20170919	9/19/2017	8260B	56-23-5	Carbon Tetrachloride	0.0031	J	0.00079	0.0032	mg/kg	J	sp	< PQL		
4401925701	PCDB-9-60.0-20170919	9/19/2017	8260B	78-93-3	2-Butanone		U	0.0076	0.015	mg/kg	UJ	c	CCV %D	20.5	20 %
4401925701	PCDB-9-60.0-20170919	9/19/2017	8260B	75-09-2	Methylene Chloride	0.013	J	0.0076	0.015	mg/kg	J	sp	< PQL		
4401925701	PCDB-9-70.0-20170919	9/19/2017	8260B	78-93-3	2-Butanone		U	0.0064	0.013	mg/kg	UJ	c	CCV %D	20.5	20 %
4401925701	PCDB-9-80.0-20170919	9/19/2017	8260B	78-93-3	2-Butanone		U	0.0072	0.014	mg/kg	UJ	c	CCV %D	20.5	20 %
4401925701	PCDB-9-80.0-20170919-FD	9/19/2017	8260B	78-93-3	2-Butanone		U	0.0075	0.015	mg/kg	UJ	c	CCV %D	20.5	20 %
4401925701	PCDB-9-90.0-20170919	9/19/2017	8260B	78-93-3	2-Butanone		U	0.0069	0.014	mg/kg	UJ	c	CCV %D	20.5	20 %
4401926281	PCDB-8-20.0-20170920	9/20/2017	8260B	95-50-1	1,2-Dichlorobenzene	0.0011	J	0.00066	0.0013	mg/kg	J	sp	< PQL		
4401926281	PCDB-8-20.0-20170920-FD	9/20/2017	8260B	541-73-1	1,3-Dichlorobenzene	0.00074	J	0.00065	0.0013	mg/kg	J	sp	< PQL		
4401926281	PCDB-8-20.0-20170920-FD	9/20/2017	8260B	95-50-1	1,2-Dichlorobenzene	0.00092	J	0.00065	0.0013	mg/kg	J	sp	< PQL		
4401926281	PCDB-8-20.0-20170920-FD	9/20/2017	8260B	106-46-7	1,4-Dichlorobenzene	0.0012	J	0.00065	0.0013	mg/kg	J	sp	< PQL		
4401926281	PCDB-8-30.0-20170920	9/20/2017	8260B	67-66-3	Chloroform	0.16	F1	0.00081	0.0016	mg/kg	J-	m	MS/MSD %R	60,36	65-135 %
4401928971	PC-164-20170925	9/25/2017	8260B	79-01-6	Trichloroethene	0.33	J	0.25	0.50	ug/l	J	sp	< PQL		
4401929691	PC-174-20170926	9/26/2017	8260B	56-23-5	Carbon Tetrachloride	0.43	J	0.25	0.50	ug/l	J	sp	< PQL		
4401930601	PC-190-20170927	9/27/2017	8260B	87-61-6	1,2,3-Trichlorobenzene	0.47	J	0.40	1.0	ug/l	J	sp	< PQL		
4401930601	PC-194-20170927	9/27/2017	8260B	67-66-3	Chloroform	0.37	J	0.25	0.50	ug/l	J	sp	< PQL		
4401930601	PC-194-20170927-FD	9/27/2017	8260B	67-66-3	Chloroform	0.41	J	0.25	0.50	ug/l	J	sp	< PQL		
4401931581	M-244-20170928	9/28/2017	8260B	75-09-2	Methylene Chloride	1.6	J	0.88	2.0	ug/l	J	sp	< PQL		
4401931581	M-244-20170928	9/28/2017	8260B	107-06-2	1,2-Dichloroethane	0.40	J	0.25	0.50	ug/l	J	sp	< PQL		
4401932261	PC-165-20170929	9/29/2017	8260B	67-66-3	Chloroform	0.25	J	0.25	0.50	ug/l	J	sp	< PQL		
4401932261	PC-165-20170929	9/29/2017	8260B	87-61-6	1,2,3-Trichlorobenzene	0.46	J	0.40	1.0	ug/l	J	sp	< PQL		
4401932261	PC-188-20170929	9/29/2017	8260B	75-27-4	Bromodichloromethane	0.43	J	0.25	0.50	ug/l	J	sp	< PQL		
4401938701	PC-179-20171009	10/9/2017	8260B	75-25-2	Bromoform	0.63	J	0.40	1.0	ug/l	J	sp	< PQL		
4401939881	PC-191-20171010	10/10/2017	8260B	75-09-2	Methylene Chloride	1.6	J	0.88	2.0	ug/l	J	bt,sp	TB contamination; < PQL	1.7	3.4 ug/L
4401939881	PC-191-20171010-TB	10/10/2017	8260B	75-09-2	Methylene Chloride	1.7	J	0.88	2.0	ug/l	J	sp	< PQL		
4401939881	PC-195-20171010	10/10/2017	8260B	75-09-2	Methylene Chloride	1.8	J	0.88	2.0	ug/l	J	bt,sp	TB contamination; < PQL	1.7	3.4 ug/L
4401939881	PC-196-20171010	10/10/2017	8260B	75-09-2	Methylene Chloride	1.6	J	0.88	2.0	ug/l	J	bt,sp	TB contamination; < PQL	1.7	3.4 ug/L
4401941071	M-93-20171011	10/11/2017	8260B	541-73-1	1,3-Dichlorobenzene	0.33	J	0.25	0.50	ug/l	J	sp	< PQL		
4401941941	M-196-20171012	10/12/2017	8260B	56-23-5	Carbon Tetrachloride	0.25	J	0.25	0.50	ug/l	J	sp	< PQL		
4401941941	M-196-20171012	10/12/2017	8260B	75-27-4	Bromodichloromethane	0.35	J	0.25	0.50	ug/l	J	sp	< PQL		
4401941941	M-196-20171012	10/12/2017	8260B	75-25-2	Bromoform	0.53	J	0.40	1.0	ug/l	J	sp	< PQL		
4401941941	M-196-20171012	10/12/2017	8260B	108-88-3	Toluene	0.36	J	0.25	0.50	ug/l	J	sp	< PQL		
4401941941	M-198-20171012	10/12/2017	8260B	79-01-6	Trichloroethene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401941941	M-198-20171012	10/12/2017	8260B	108-88-3	Toluene	0.25	J	0.25	0.50	ug/l	J	sp	< PQL		

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator <sup>1</sup>	Qualification Finding	Acceptance Criteria
4401941941	M-198-20171012	10/12/2017	8260B	106-46-7	1,4-Dichlorobenzene	0.37	J	0.25	0.50	ug/l	J	sp	< PQL		
4401941941	M-199-20171012	10/12/2017	8260B	67-66-3	Chloroform	4200	F2F1	13	25	ug/l	J	m,ld	MS/MSD %R, RPD	-70,-; 47	20; 70-130 %
4401942821	M-216-20171013	10/13/2017	8260B	108-90-7	Chlorobenzene	0.38	J	0.25	0.50	ug/l	J	sp	< PQL		
4401942821	M-216-20171013	10/13/2017	8260B	127-18-4	Tetrachloroethene	0.38	J	0.25	0.50	ug/l	J	sp	< PQL		
4401942821	M-216-20171013	10/13/2017	8260B	79-01-6	Trichloroethene	0.28	J	0.25	0.50	ug/l	J	sp	< PQL		
4401942821	M-217-20171013	10/13/2017	8260B	108-90-7	Chlorobenzene	0.38	J	0.25	0.50	ug/l	J	sp	< PQL		
4401942821	M-218-20171013	10/13/2017	8260B	108-90-7	Chlorobenzene	0.27	J	0.25	0.50	ug/l	J	sp	< PQL		
4401943811	M-21D-20171016	10/16/2017	8260B	75-27-4	Bromodichloromethane	0.34	J	0.25	0.50	ug/l	J	sp	< PQL		
4401943811	M-21D-20171016	10/16/2017	8260B	75-35-4	1,1-Dichloroethene	0.45	J	0.25	0.50	ug/l	J	sp	< PQL		
4401943811	M-240-20171016	10/16/2017	8260B	56-23-5	Carbon Tetrachloride	0.41	J	0.25	0.50	ug/l	J	sp	< PQL		
4401943811	M-66D-20171016	10/16/2017	8260B	124-48-1	Dibromochloromethane	0.35	J	0.25	0.50	ug/l	J	sp	< PQL		
4401943811	M-66D-20171016	10/16/2017	8260B	79-01-6	Trichloroethene	0.31	J	0.25	0.50	ug/l	J	sp	< PQL		
4401944621	M-224-20171017	10/17/2017	8260B	56-23-5	Carbon Tetrachloride	1100	J	630	1300	ug/l	J	sp	< PQL		
4401944631	M-22D-20171017	10/17/2017	8260B	107-06-2	1,2-Dichloroethane	0.33	J	0.25	0.50	ug/l	J	sp	< PQL		
4401944631	M-65D-20171017	10/17/2017	8260B	75-27-4	Bromodichloromethane	0.35	J	0.25	0.50	ug/l	J	sp	< PQL		
4401944631	M-65D-20171017	10/17/2017	8260B	56-23-5	Carbon Tetrachloride	0.32	J	0.25	0.50	ug/l	J	sp	< PQL		
4401944651	M-195-20171017	10/17/2017	8260B	78-87-5	1,2-Dichloropropane		U	1.0	2.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401944651	M-195-20171017	10/17/2017	8260B	95-47-6	ortho-xylene		U	1.0	2.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401944651	M-195-20171017	10/17/2017	8260B	79-00-5	1,1,2-Trichloroethane		U	1.0	2.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401944651	M-195-20171017	10/17/2017	8260B	124-48-1	Dibromochloromethane		U	1.0	2.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401944651	M-195-20171017	10/17/2017	8260B	95-63-6	1,2,4-Trimethylbenzene		U	1.0	2.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401944651	M-195-20171017	10/17/2017	8260B	99-87-6	p-Cymene		U	1.0	2.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401944651	M-195-20171017	10/17/2017	8260B	75-01-4	Vinyl Chloride		U	1.0	2.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401944651	M-195-20171017	10/17/2017	8260B	127-18-4	Tetrachloroethene		U	1.0	2.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401944651	M-195-20171017	10/17/2017	8260B	75-69-4	Trichlorofluoromethane		U	1.0	2.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401944651	M-195-20171017	10/17/2017	8260B	75-09-2	Methylene Chloride		U	3.5	8.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401944651	M-195-20171017	10/17/2017	8260B	541-73-1	1,3-Dichlorobenzene		U	1.0	2.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401944651	M-195-20171017	10/17/2017	8260B	74-83-9	Bromomethane		U	1.0	2.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401944651	M-195-20171017	10/17/2017	8260B	74-95-3	Dibromomethane		U	1.0	2.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401944651	M-195-20171017	10/17/2017	8260B	106-43-4	4-Chlorotoluene		U	1.0	2.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401944651	M-195-20171017	10/17/2017	8260B	95-49-8	2-Chlorotoluene		U	1.0	2.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401944651	M-195-20171017	10/17/2017	8260B	136777-61-2	m,p-xylene		U	2.0	4.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401944651	M-195-20171017	10/17/2017	8260B	71-55-6	1,1,1-Trichloroethane		U	1.0	2.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401944651	M-195-20171017	10/17/2017	8260B	75-35-4	1,1-Dichloroethene		U	1.0	2.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401944651	M-195-20171017	10/17/2017	8260B	75-27-4	Bromodichloromethane		U	1.0	2.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401944651	M-195-20171017	10/17/2017	8260B	96-12-8	1,2-Dibromo-3-chloropropane		U	2.0	4.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401944651	M-195-20171017	10/17/2017	8260B	91-20-3	Naphthalene		U	1.6	4.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401944651	M-195-20171017	10/17/2017	8260B	156-60-5	trans-1,2-Dichloroethene		U	1.0	2.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401944651	M-195-20171017	10/17/2017	8260B	56-23-5	Carbon Tetrachloride		U	1.0	2.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401944651	M-195-20171017	10/17/2017	8260B	100-41-4	Ethyl Benzene		U	1.0	2.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401944651	M-195-20171017	10/17/2017	8260B	100-42-5	Styrene		U	1.0	2.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401944651	M-195-20171017	10/17/2017	8260B	104-51-8	n-Butylbenzene		U	1.6	4.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401944651	M-195-20171017	10/17/2017	8260B	142-28-9	1,3-Dichloropropane		U	1.0	2.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401944651	M-195-20171017	10/17/2017	8260B	75-71-8	Dichlorodifluoromethane		U	1.6	4.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401944651	M-195-20171017	10/17/2017	8260B	78-93-3	2-Butanone		U	10	20	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401944651	M-195-20171017	10/17/2017	8260B	630-20-6	1,1,1,2-Tetrachloroethane		U	1.0	2.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401944651	M-195-20171017	10/17/2017	8260B	120-82-1	1,2,4-Trichlorobenzene		U	1.6	4.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401944651	M-195-20171017	10/17/2017	8260B	95-50-1	1,2-Dichlorobenzene		U	1.0	2.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401944651	M-195-20171017	10/17/2017	8260B	75-00-3	Chloroethane		U	1.6	4.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401944651	M-195-20171017	10/17/2017	8260B	106-93-4	1,2-Dibromoethane		U	1.0	2.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401944651	M-195-20171017	10/17/2017	8260B	108-86-1	Bromobenzene		U	1.0	2.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401944651	M-195-20171017	10/17/2017	8260B	10061-01-5	cis-1,3-Dichloropropene		U	1.0	2.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401944651	M-195-20171017	10/17/2017	8260B	96-18-4	1,2,3-Trichloropropane		U	1.6	4.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401944651	M-195-20171017	10/17/2017	8260B	156-59-2	cis-1,2-Dichloroethene		U	1.0	2.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401944651	M-195-20171017	10/17/2017	8260B	10061-02-6	trans-1,3-Dichloropropene		U	1.0	2.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator <sup>1</sup>	Qualification Finding	Acceptance Criteria
4401944651	M-195-20171017	10/17/2017	8260B	594-20-7	2,2-Dichloropropane		U	1.6	4.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401944651	M-195-20171017	10/17/2017	8260B	637-92-3	Ethyl tert-butyl ether		U	1.0	2.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401944651	M-195-20171017	10/17/2017	8260B	71-43-2	Benzene		U	1.0	2.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401944651	M-195-20171017	10/17/2017	8260B	74-97-5	Bromochloromethane		U	1.0	2.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401944651	M-195-20171017	10/17/2017	8260B	87-61-6	1,2,3-Trichlorobenzene		U	1.6	4.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401944651	M-195-20171017	10/17/2017	8260B	75-34-3	1,1-Dichloroethane		U	1.0	2.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401944651	M-195-20171017	10/17/2017	8260B	107-06-2	1,2-Dichloroethane		U	1.0	2.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401944651	M-195-20171017	10/17/2017	8260B	87-68-3	Hexachlorobutadiene		U	1.0	2.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401944651	M-195-20171017	10/17/2017	8260B	103-65-1	n-Propylbenzene		U	1.0	2.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401944651	M-195-20171017	10/17/2017	8260B	135-98-8	sec-Butylbenzene		U	1.0	2.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401944651	M-195-20171017	10/17/2017	8260B	108-90-7	Chlorobenzene		U	1.0	2.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401944651	M-195-20171017	10/17/2017	8260B	108-67-8	1,3,5-Trimethylbenzene		U	1.0	2.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401944651	M-195-20171017	10/17/2017	8260B	75-25-2	Bromoform		U	1.6	4.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401944651	M-195-20171017	10/17/2017	8260B	106-46-7	1,4-Dichlorobenzene		U	1.0	2.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401944651	M-195-20171017	10/17/2017	8260B	79-34-5	1,1,2,2-Tetrachloroethane		U	1.0	2.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401944651	M-195-20171017	10/17/2017	8260B	108-88-3	Toluene		U	1.0	2.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401944651	M-195-20171017	10/17/2017	8260B	74-87-3	Chloromethane		U	1.0	2.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401944651	M-195-20171017	10/17/2017	8260B	98-82-8	Cumene		U	1.0	2.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401944651	M-195-20171017	10/17/2017	8260B	98-06-6	tert-Butylbenzene		U	1.0	2.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401944651	M-195-20171017	10/17/2017	8260B	563-58-6	1,1-Dichloropropene		U	1.0	2.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401944651	M-195-20171017	10/17/2017	8260B	67-66-3	Chloroform	1300		13	25	ug/l	J-	vh	Sample receipt	Headspace in containers	< 6 mm
4401944651	M-195-20171017	10/17/2017	8260B	79-01-6	Trichloroethene		U	1.0	2.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401944651	M-197-20171017	10/17/2017	8260B	75-27-4	Bromodichloromethane	0.64	J	0.63	1.3	ug/l	J	sp	< PQL		
4401945661	M-36D-20171018	10/18/2017	8260B	106-46-7	1,4-Dichlorobenzene	0.63	J	0.63	1.3	ug/l	J	sp	< PQL		
4401945661	M-36D-20171018	10/18/2017	8260B	79-01-6	Trichloroethene	1.2	J	0.63	1.3	ug/l	J	sp	< PQL		
4401945661	M-36D-20171018	10/18/2017	8260B	124-48-1	Dibromochloromethane	0.66	J	0.63	1.3	ug/l	J	sp	< PQL		
4401945661	M-36D-20171018-TB	10/18/2017	8260B	95-50-1	1,2-Dichlorobenzene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401945661	M-36D-20171018-TB	10/18/2017	8260B	10061-01-5	cis-1,3-Dichloropropene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401945661	M-36D-20171018-TB	10/18/2017	8260B	96-18-4	1,2,3-Trichloropropane		U	0.40	1.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401945661	M-36D-20171018-TB	10/18/2017	8260B	75-34-3	1,1-Dichloroethane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401945661	M-36D-20171018-TB	10/18/2017	8260B	87-61-6	1,2,3-Trichlorobenzene		U	0.40	1.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401945661	M-36D-20171018-TB	10/18/2017	8260B	74-97-5	Bromochloromethane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401945661	M-36D-20171018-TB	10/18/2017	8260B	75-25-2	Bromoform		U	0.40	1.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401945661	M-36D-20171018-TB	10/18/2017	8260B	120-82-1	1,2,4-Trichlorobenzene		U	0.40	1.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401945661	M-36D-20171018-TB	10/18/2017	8260B	79-01-6	Trichloroethene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401945661	M-36D-20171018-TB	10/18/2017	8260B	135-98-8	sec-Butylbenzene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401945661	M-36D-20171018-TB	10/18/2017	8260B	108-90-7	Chlorobenzene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401945661	M-36D-20171018-TB	10/18/2017	8260B	108-67-8	1,3,5-Trimethylbenzene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401945661	M-36D-20171018-TB	10/18/2017	8260B	108-88-3	Toluene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401945661	M-36D-20171018-TB	10/18/2017	8260B	79-34-5	1,1,2,2-Tetrachloroethane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401945661	M-36D-20171018-TB	10/18/2017	8260B	103-65-1	n-Propylbenzene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401945661	M-36D-20171018-TB	10/18/2017	8260B	106-93-4	1,2-Dibromoethane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401945661	M-36D-20171018-TB	10/18/2017	8260B	87-68-3	Hexachlorobutadiene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401945661	M-36D-20171018-TB	10/18/2017	8260B	95-47-6	ortho-xylene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401945661	M-36D-20171018-TB	10/18/2017	8260B	98-82-8	Cumene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401945661	M-36D-20171018-TB	10/18/2017	8260B	67-66-3	Chloroform		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401945661	M-36D-20171018-TB	10/18/2017	8260B	74-87-3	Chloromethane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401945661	M-36D-20171018-TB	10/18/2017	8260B	107-06-2	1,2-Dichloroethane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401945661	M-36D-20171018-TB	10/18/2017	8260B	108-86-1	Bromobenzene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401945661	M-36D-20171018-TB	10/18/2017	8260B	156-59-2	cis-1,2-Dichloroethene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401945661	M-36D-20171018-TB	10/18/2017	8260B	10061-02-6	trans-1,3-Dichloropropene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401945661	M-36D-20171018-TB	10/18/2017	8260B	106-46-7	1,4-Dichlorobenzene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401945661	M-36D-20171018-TB	10/18/2017	8260B	563-58-6	1,1-Dichloropropene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401945661	M-36D-20171018-TB	10/18/2017	8260B	637-92-3	Ethyl tert-butyl ether		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401945661	M-36D-20171018-TB	10/18/2017	8260B	594-20-7	2,2-Dichloropropane		U	0.40	1.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator <sup>1</sup>	Qualification Finding	Acceptance Criteria
4401945661	M-36D-20171018-TB	10/18/2017	8260B	71-43-2	Benzene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401945661	M-36D-20171018-TB	10/18/2017	8260B	98-06-6	tert-Butylbenzene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401945661	M-36D-20171018-TB	10/18/2017	8260B	630-20-6	1,1,1,2-Tetrachloroethane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401945661	M-36D-20171018-TB	10/18/2017	8260B	100-41-4	Ethyl Benzene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401945661	M-36D-20171018-TB	10/18/2017	8260B	104-51-8	n-Butylbenzene		U	0.40	1.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401945661	M-36D-20171018-TB	10/18/2017	8260B	142-28-9	1,3-Dichloropropane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401945661	M-36D-20171018-TB	10/18/2017	8260B	156-60-5	trans-1,2-Dichloroethene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401945661	M-36D-20171018-TB	10/18/2017	8260B	56-23-5	Carbon Tetrachloride		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401945661	M-36D-20171018-TB	10/18/2017	8260B	75-71-8	Dichlorodifluoromethane		U	0.40	1.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401945661	M-36D-20171018-TB	10/18/2017	8260B	78-93-3	2-Butanone		U	2.5	5.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401945661	M-36D-20171018-TB	10/18/2017	8260B	75-09-2	Methylene Chloride		U	0.88	2.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401945661	M-36D-20171018-TB	10/18/2017	8260B	75-00-3	Chloroethane		U	0.40	1.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401945661	M-36D-20171018-TB	10/18/2017	8260B	95-49-8	2-Chlorotoluene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401945661	M-36D-20171018-TB	10/18/2017	8260B	136777-61-2	m,p-xylene		U	0.50	1.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401945661	M-36D-20171018-TB	10/18/2017	8260B	96-12-8	1,2-Dibromo-3-chloropropane		U	0.50	1.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401945661	M-36D-20171018-TB	10/18/2017	8260B	91-20-3	Naphthalene		U	0.40	1.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401945661	M-36D-20171018-TB	10/18/2017	8260B	75-27-4	Bromodichloromethane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401945661	M-36D-20171018-TB	10/18/2017	8260B	78-87-5	1,2-Dichloropropane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401945661	M-36D-20171018-TB	10/18/2017	8260B	99-87-6	p-Cymene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401945661	M-36D-20171018-TB	10/18/2017	8260B	95-63-6	1,2,4-Trimethylbenzene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401945661	M-36D-20171018-TB	10/18/2017	8260B	71-55-6	1,1,1-Trichloroethane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401945661	M-36D-20171018-TB	10/18/2017	8260B	75-01-4	Vinyl Chloride		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401945661	M-36D-20171018-TB	10/18/2017	8260B	75-35-4	1,1-Dichloroethene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401945661	M-36D-20171018-TB	10/18/2017	8260B	75-69-4	Trichlorofluoromethane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401945661	M-36D-20171018-TB	10/18/2017	8260B	127-18-4	Tetrachloroethene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401945661	M-36D-20171018-TB	10/18/2017	8260B	106-43-4	4-Chlorotoluene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401945661	M-36D-20171018-TB	10/18/2017	8260B	100-42-5	Styrene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401945661	M-36D-20171018-TB	10/18/2017	8260B	541-73-1	1,3-Dichlorobenzene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401945661	M-36D-20171018-TB	10/18/2017	8260B	74-83-9	Bromomethane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401945661	M-36D-20171018-TB	10/18/2017	8260B	79-00-5	1,1,2-Trichloroethane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401945661	M-36D-20171018-TB	10/18/2017	8260B	124-48-1	Dibromochloromethane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401945661	M-36D-20171018-TB	10/18/2017	8260B	74-95-3	Dibromomethane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401945661	M-72D-20171018	10/18/2017	8260B	75-27-4	Bromodichloromethane	0.41	J	0.25	0.50	ug/l	J	sp	< PQL		
4401945661	M-72D-20171018	10/18/2017	8260B	56-23-5	Carbon Tetrachloride	0.36	J	0.25	0.50	ug/l	J	sp	< PQL		
4401946581	M-228-20171019	10/19/2017	8260B	541-73-1	1,3-Dichlorobenzene	380	J	250	500	ug/l	J	sp	< PQL		
4401946611	M-201-20171019	10/19/2017	8260B	541-73-1	1,3-Dichlorobenzene	23	J	13	25	ug/l	J	sp	< PQL		
4401946611	PC-153R-20171019	10/19/2017	8260B	67-66-3	Chloroform	0.31	J	0.25	0.50	ug/l	J	sp	< PQL		
4401946641	PC-155A-20171019	10/19/2017	8260B	100-42-5	Styrene	1.1		0.25	0.50	ug/l	J	fd	FD RPD	57	30 %
4401946641	PC-155A-20171019-FD	10/19/2017	8260B	100-42-5	Styrene	0.61		0.25	0.50	ug/l	J	fd	FD RPD	57	30 %
4401946641	PC-155B-20171019	10/19/2017	8260B	100-42-5	Styrene	0.40	J	0.25	0.50	ug/l	J	sp	< PQL		
4401946641	PC-156A-20171019	10/19/2017	8260B	100-42-5	Styrene	0.35	J	0.25	0.50	ug/l	J	sp	< PQL		
4401947381	M-125D-20171020	10/20/2017	8260B	75-69-4	Trichlorofluoromethane	48	J	25	50	ug/l	J	sp	< PQL		
4401947711	M-203-20171020	10/20/2017	8260B	106-46-7	1,4-Dichlorobenzene	0.49	J	0.25	0.50	ug/l	J	sp	< PQL		
4401948241	M-215-20171023	10/23/2017	8260B	75-25-2	Bromoform	0.69	J	0.40	1.0	ug/l	J	sp	< PQL		
4401948241	M-215-20171023	10/23/2017	8260B	75-27-4	Bromodichloromethane	0.32	J	0.25	0.50	ug/l	J	sp	< PQL		
4401948241	M-219-20171023	10/23/2017	8260B	127-18-4	Tetrachloroethene	0.32	J	0.25	0.50	ug/l	J	sp	< PQL		
4401948241	M-219-20171023	10/23/2017	8260B	75-27-4	Bromodichloromethane	0.31	J	0.25	0.50	ug/l	J	sp	< PQL		
4401948241	M-81D-20171023	10/23/2017	8260B	75-25-2	Bromoform	0.44	J	0.40	1.0	ug/l	J	sp	< PQL		
4401948241	M-81D-20171023	10/23/2017	8260B	75-27-4	Bromodichloromethane	0.43	J	0.25	0.50	ug/l	J	sp	< PQL		
4401948241	M-81D-20171023-TB	10/23/2017	8260B	75-25-2	Bromoform		U	0.40	1.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401948241	M-81D-20171023-TB	10/23/2017	8260B	67-66-3	Chloroform		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401948241	M-81D-20171023-TB	10/23/2017	8260B	10061-02-6	trans-1,3-Dichloropropene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401948241	M-81D-20171023-TB	10/23/2017	8260B	106-46-7	1,4-Dichlorobenzene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401948241	M-81D-20171023-TB	10/23/2017	8260B	106-93-4	1,2-Dibromothane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401948241	M-81D-20171023-TB	10/23/2017	8260B	79-34-5	1,1,2,2-Tetrachloroethane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator <sup>1</sup>	Qualification Finding	Acceptance Criteria
4401948241	M-81D-20171023-TB	10/23/2017	8260B	87-68-3	Hexachlorobutadiene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401948241	M-81D-20171023-TB	10/23/2017	8260B	95-50-1	1,2-Dichlorobenzene	0.26	J	0.25	0.50	ug/l	J-	sp,vh	< PQL; Sample receipt	Headspace in containers	< 6 mm
4401948241	M-81D-20171023-TB	10/23/2017	8260B	563-58-6	1,1-Dichloropropene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401948241	M-81D-20171023-TB	10/23/2017	8260B	79-01-6	Trichloroethene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401948241	M-81D-20171023-TB	10/23/2017	8260B	75-34-3	1,1-Dichloroethane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401948241	M-81D-20171023-TB	10/23/2017	8260B	108-67-8	1,3,5-Trimethylbenzene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401948241	M-81D-20171023-TB	10/23/2017	8260B	108-90-7	Chlorobenzene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401948241	M-81D-20171023-TB	10/23/2017	8260B	135-98-8	sec-Butylbenzene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401948241	M-81D-20171023-TB	10/23/2017	8260B	103-65-1	n-Propylbenzene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401948241	M-81D-20171023-TB	10/23/2017	8260B	74-87-3	Chloromethane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401948241	M-81D-20171023-TB	10/23/2017	8260B	98-06-6	tert-Butylbenzene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401948241	M-81D-20171023-TB	10/23/2017	8260B	98-82-8	Cumene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401948241	M-81D-20171023-TB	10/23/2017	8260B	87-61-6	1,2,3-Trichlorobenzene		U	0.40	1.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401948241	M-81D-20171023-TB	10/23/2017	8260B	96-18-4	1,2,3-Trichloropropane		U	0.40	1.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401948241	M-81D-20171023-TB	10/23/2017	8260B	594-20-7	2,2-Dichloropropane		U	0.40	1.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401948241	M-81D-20171023-TB	10/23/2017	8260B	637-92-3	Ethyl tert-butyl ether		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401948241	M-81D-20171023-TB	10/23/2017	8260B	71-43-2	Benzene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401948241	M-81D-20171023-TB	10/23/2017	8260B	107-06-2	1,2-Dichloroethane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401948241	M-81D-20171023-TB	10/23/2017	8260B	10061-01-5	cis-1,3-Dichloropropene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401948241	M-81D-20171023-TB	10/23/2017	8260B	156-59-2	cis-1,2-Dichloroethene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401948241	M-81D-20171023-TB	10/23/2017	8260B	120-82-1	1,2,4-Trichlorobenzene		U	0.40	1.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401948241	M-81D-20171023-TB	10/23/2017	8260B	95-47-6	ortho-xylene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401948241	M-81D-20171023-TB	10/23/2017	8260B	108-88-3	Toluene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401948241	M-81D-20171023-TB	10/23/2017	8260B	74-97-5	Bromochloromethane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401948241	M-81D-20171023-TB	10/23/2017	8260B	75-71-8	Dichlorodifluoromethane		U	0.40	1.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401948241	M-81D-20171023-TB	10/23/2017	8260B	75-00-3	Chloroethane		U	0.40	1.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401948241	M-81D-20171023-TB	10/23/2017	8260B	75-09-2	Methylene Chloride		U	0.88	2.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401948241	M-81D-20171023-TB	10/23/2017	8260B	630-20-6	1,1,1,2-Tetrachloroethane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401948241	M-81D-20171023-TB	10/23/2017	8260B	136777-61-2	m,p-xylene		U	0.50	1.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401948241	M-81D-20171023-TB	10/23/2017	8260B	96-12-8	1,2-Dibromo-3-chloropropane		U	0.50	1.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401948241	M-81D-20171023-TB	10/23/2017	8260B	91-20-3	Naphthalene		U	0.40	1.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401948241	M-81D-20171023-TB	10/23/2017	8260B	75-35-4	1,1-Dichloroethene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401948241	M-81D-20171023-TB	10/23/2017	8260B	75-27-4	Bromodichloromethane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401948241	M-81D-20171023-TB	10/23/2017	8260B	142-28-9	1,3-Dichloropropane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401948241	M-81D-20171023-TB	10/23/2017	8260B	104-51-8	n-Butylbenzene	0.47	J	0.40	1.0	ug/l	J-	sp,vh	< PQL; Sample receipt	Headspace in containers	< 6 mm
4401948241	M-81D-20171023-TB	10/23/2017	8260B	100-42-5	Styrene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401948241	M-81D-20171023-TB	10/23/2017	8260B	100-41-4	Ethyl Benzene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401948241	M-81D-20171023-TB	10/23/2017	8260B	108-86-1	Bromobenzene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401948241	M-81D-20171023-TB	10/23/2017	8260B	56-23-5	Carbon Tetrachloride		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401948241	M-81D-20171023-TB	10/23/2017	8260B	99-87-6	p-Cymene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401948241	M-81D-20171023-TB	10/23/2017	8260B	124-48-1	Dibromochloromethane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401948241	M-81D-20171023-TB	10/23/2017	8260B	95-49-8	2-Chlorotoluene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401948241	M-81D-20171023-TB	10/23/2017	8260B	75-69-4	Trichlorofluoromethane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401948241	M-81D-20171023-TB	10/23/2017	8260B	78-87-5	1,2-Dichloropropane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401948241	M-81D-20171023-TB	10/23/2017	8260B	156-60-5	trans-1,2-Dichloroethene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401948241	M-81D-20171023-TB	10/23/2017	8260B	95-63-6	1,2,4-Trimethylbenzene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401948241	M-81D-20171023-TB	10/23/2017	8260B	78-93-3	2-Butanone		U	2.5	5.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401948241	M-81D-20171023-TB	10/23/2017	8260B	74-95-3	Dibromomethane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401948241	M-81D-20171023-TB	10/23/2017	8260B	74-83-9	Bromomethane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401948241	M-81D-20171023-TB	10/23/2017	8260B	71-55-6	1,1,1-Trichloroethane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401948241	M-81D-20171023-TB	10/23/2017	8260B	541-73-1	1,3-Dichlorobenzene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401948241	M-81D-20171023-TB	10/23/2017	8260B	79-00-5	1,1,2-Trichloroethane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401948241	M-81D-20171023-TB	10/23/2017	8260B	106-43-4	4-Chlorotoluene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401948241	M-81D-20171023-TB	10/23/2017	8260B	127-18-4	Tetrachloroethene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401948241	M-81D-20171023-TB	10/23/2017	8260B	75-01-4	Vinyl Chloride		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator <sup>1</sup>	Qualification Finding	Acceptance Criteria
4401948961	PC-170-20171024	10/24/2017	8260B	71-43-2	Benzene	0.38	J	0.25	0.50	ug/l	J	sp	< PQL		
4401948961	PC-170-20171024-FB	10/24/2017	8260B	75-09-2	Methylene Chloride	1.2	J	0.88	2.0	ug/l	J	sp	< PQL		
4401948961	PC-173-20171024	10/24/2017	8260B	100-42-5	Styrene		U	0.25	0.50	ug/l	UJ	m	MS/MSD %R	7.7	29-150 %
4401948961	PC-173-20171024	10/24/2017	8260B	87-61-6	1,2,3-Trichlorobenzene	0.76	J	0.40	1.0	ug/l	J	sp	< PQL		
4401948961	PC-180-20171024	10/24/2017	8260B	79-01-6	Trichloroethene	0.48	J	0.25	0.50	ug/l	J	sp	< PQL		
4401948961	PC-180-20171024	10/24/2017	8260B	127-18-4	Tetrachloroethene	0.47	J	0.25	0.50	ug/l	J	sp	< PQL		
4401948961	PC-182-20171024	10/24/2017	8260B	71-43-2	Benzene	0.25	J	0.25	0.50	ug/l	J	sp	< PQL		
4401948961	PC-182-20171024	10/24/2017	8260B	106-46-7	1,4-Dichlorobenzene	0.30	J	0.25	0.50	ug/l	J	sp	< PQL		
4401948961	PC-182-20171024-FD	10/24/2017	8260B	106-46-7	1,4-Dichlorobenzene	0.27	J	0.25	0.50	ug/l	J	sp	< PQL		
4401948961	PC-182-20171024-TB	10/24/2017	8260B	75-25-2	Bromoform		U	0.40	1.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401948961	PC-182-20171024-TB	10/24/2017	8260B	75-34-3	1,1-Dichloroethane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401948961	PC-182-20171024-TB	10/24/2017	8260B	74-97-5	Bromochloromethane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401948961	PC-182-20171024-TB	10/24/2017	8260B	96-18-4	1,2,3-Trichloropropane		U	0.40	1.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401948961	PC-182-20171024-TB	10/24/2017	8260B	108-88-3	Toluene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401948961	PC-182-20171024-TB	10/24/2017	8260B	87-68-3	Hexachlorobutadiene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401948961	PC-182-20171024-TB	10/24/2017	8260B	87-61-6	1,2,3-Trichlorobenzene		U	0.40	1.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401948961	PC-182-20171024-TB	10/24/2017	8260B	103-65-1	n-Propylbenzene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401948961	PC-182-20171024-TB	10/24/2017	8260B	120-82-1	1,2,4-Trichlorobenzene		U	0.40	1.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401948961	PC-182-20171024-TB	10/24/2017	8260B	95-50-1	1,2-Dichlorobenzene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401948961	PC-182-20171024-TB	10/24/2017	8260B	79-01-6	Trichloroethene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401948961	PC-182-20171024-TB	10/24/2017	8260B	108-90-7	Chlorobenzene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401948961	PC-182-20171024-TB	10/24/2017	8260B	108-67-8	1,3,5-Trimethylbenzene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401948961	PC-182-20171024-TB	10/24/2017	8260B	135-98-8	sec-Butylbenzene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401948961	PC-182-20171024-TB	10/24/2017	8260B	79-34-5	1,1,2,2-Tetrachloroethane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401948961	PC-182-20171024-TB	10/24/2017	8260B	10061-01-5	cis-1,3-Dichloropropene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401948961	PC-182-20171024-TB	10/24/2017	8260B	156-59-2	cis-1,2-Dichloroethene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401948961	PC-182-20171024-TB	10/24/2017	8260B	71-43-2	Benzene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401948961	PC-182-20171024-TB	10/24/2017	8260B	594-20-7	2,2-Dichloropropane		U	0.40	1.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401948961	PC-182-20171024-TB	10/24/2017	8260B	637-92-3	Ethyl tert-butyl ether		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401948961	PC-182-20171024-TB	10/24/2017	8260B	106-93-4	1,2-Dibromoethane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401948961	PC-182-20171024-TB	10/24/2017	8260B	108-86-1	Bromobenzene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401948961	PC-182-20171024-TB	10/24/2017	8260B	106-46-7	1,4-Dichlorobenzene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401948961	PC-182-20171024-TB	10/24/2017	8260B	10061-02-6	trans-1,3-Dichloropropene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401948961	PC-182-20171024-TB	10/24/2017	8260B	563-58-6	1,1-Dichloropropene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401948961	PC-182-20171024-TB	10/24/2017	8260B	98-06-6	tert-Butylbenzene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401948961	PC-182-20171024-TB	10/24/2017	8260B	74-87-3	Chloromethane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401948961	PC-182-20171024-TB	10/24/2017	8260B	67-66-3	Chloroform		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401948961	PC-182-20171024-TB	10/24/2017	8260B	75-27-4	Bromodichloromethane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401948961	PC-182-20171024-TB	10/24/2017	8260B	107-06-2	1,2-Dichloroethane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401948961	PC-182-20171024-TB	10/24/2017	8260B	95-49-8	2-Chlorotoluene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401948961	PC-182-20171024-TB	10/24/2017	8260B	124-48-1	Dibromochloromethane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401948961	PC-182-20171024-TB	10/24/2017	8260B	74-95-3	Dibromomethane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401948961	PC-182-20171024-TB	10/24/2017	8260B	75-01-4	Vinyl Chloride		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401948961	PC-182-20171024-TB	10/24/2017	8260B	75-69-4	Trichlorofluoromethane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401948961	PC-182-20171024-TB	10/24/2017	8260B	78-87-5	1,2-Dichloropropane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401948961	PC-182-20171024-TB	10/24/2017	8260B	79-00-5	1,1,2-Trichloroethane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401948961	PC-182-20171024-TB	10/24/2017	8260B	99-87-6	p-Cymene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401948961	PC-182-20171024-TB	10/24/2017	8260B	100-41-4	Ethyl Benzene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401948961	PC-182-20171024-TB	10/24/2017	8260B	541-73-1	1,3-Dichlorobenzene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401948961	PC-182-20171024-TB	10/24/2017	8260B	74-83-9	Bromomethane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401948961	PC-182-20171024-TB	10/24/2017	8260B	106-43-4	4-Chlorotoluene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401948961	PC-182-20171024-TB	10/24/2017	8260B	127-18-4	Tetrachloroethene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401948961	PC-182-20171024-TB	10/24/2017	8260B	98-82-8	Cumene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401948961	PC-182-20171024-TB	10/24/2017	8260B	75-35-4	1,1-Dichloroethene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401948961	PC-182-20171024-TB	10/24/2017	8260B	95-63-6	1,2,4-Trimethylbenzene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm



Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator <sup>1</sup>	Qualification Finding	Acceptance Criteria
4401948961	PC-182-20171024-TB	10/24/2017	8260B	78-93-3	2-Butanone		U	2.5	5.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401948961	PC-182-20171024-TB	10/24/2017	8260B	96-12-8	1,2-Dibromo-3-chloropropane		U	0.50	1.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401948961	PC-182-20171024-TB	10/24/2017	8260B	91-20-3	Naphthalene		U	0.40	1.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401948961	PC-182-20171024-TB	10/24/2017	8260B	75-00-3	Chloroethane		U	0.40	1.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401948961	PC-182-20171024-TB	10/24/2017	8260B	71-55-6	1,1,1-Trichloroethane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401948961	PC-182-20171024-TB	10/24/2017	8260B	75-09-2	Methylene Chloride		U	0.88	2.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401948961	PC-182-20171024-TB	10/24/2017	8260B	136777-61-2	m,p-xylene		U	0.50	1.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401948961	PC-182-20171024-TB	10/24/2017	8260B	95-47-6	ortho-xylene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401948961	PC-182-20171024-TB	10/24/2017	8260B	56-23-5	Carbon Tetrachloride		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401948961	PC-182-20171024-TB	10/24/2017	8260B	75-71-8	Dichlorodifluoromethane		U	0.40	1.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401948961	PC-182-20171024-TB	10/24/2017	8260B	156-60-5	trans-1,2-Dichloroethene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401948961	PC-182-20171024-TB	10/24/2017	8260B	142-28-9	1,3-Dichloropropane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401948961	PC-182-20171024-TB	10/24/2017	8260B	104-51-8	n-Butylbenzene		U	0.40	1.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401948961	PC-182-20171024-TB	10/24/2017	8260B	100-42-5	Styrene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401948961	PC-182-20171024-TB	10/24/2017	8260B	630-20-6	1,1,1,2-Tetrachloroethane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401949031	PC-183-20171024	10/24/2017	8260B	107-06-2	1,2-Dichloroethane	0.40	J	0.25	0.50	ug/l	J	sp	< PQL		
4401949031	PC-183-20171024	10/24/2017	8260B	95-50-1	1,2-Dichlorobenzene	0.27	J	0.25	0.50	ug/l	J	sp	< PQL		
4401949031	PC-183-20171024	10/24/2017	8260B	79-01-6	Trichloroethene	0.47	J	0.25	0.50	ug/l	J	sp	< PQL		
4401949031	PC-183-20171024	10/24/2017	8260B	127-18-4	Tetrachloroethene	0.31	J	0.25	0.50	ug/l	J	sp	< PQL		
4401949031	PC-183-20171024	10/24/2017	8260B	75-25-2	Bromoform	0.60	J	0.40	1.0	ug/l	J	sp	< PQL		
4401949031	PC-183-20171024-TB	10/24/2017	8260B	78-93-3	2-Butanone		U	2.5	5.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401949031	PC-183-20171024-TB	10/24/2017	8260B	91-20-3	Naphthalene		U	0.40	1.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401949031	PC-183-20171024-TB	10/24/2017	8260B	75-09-2	Methylene Chloride		U	0.88	2.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401949031	PC-183-20171024-TB	10/24/2017	8260B	75-00-3	Chloroethane		U	0.40	1.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401949031	PC-183-20171024-TB	10/24/2017	8260B	71-55-6	1,1,1-Trichloroethane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401949031	PC-183-20171024-TB	10/24/2017	8260B	136777-61-2	m,p-xylene		U	0.50	1.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401949031	PC-183-20171024-TB	10/24/2017	8260B	75-71-8	Dichlorodifluoromethane		U	0.40	1.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401949031	PC-183-20171024-TB	10/24/2017	8260B	75-27-4	Bromodichloromethane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401949031	PC-183-20171024-TB	10/24/2017	8260B	156-60-5	trans-1,2-Dichloroethene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401949031	PC-183-20171024-TB	10/24/2017	8260B	56-23-5	Carbon Tetrachloride		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401949031	PC-183-20171024-TB	10/24/2017	8260B	142-28-9	1,3-Dichloropropane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401949031	PC-183-20171024-TB	10/24/2017	8260B	75-01-4	Vinyl Chloride		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401949031	PC-183-20171024-TB	10/24/2017	8260B	104-51-8	n-Butylbenzene		U	0.40	1.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401949031	PC-183-20171024-TB	10/24/2017	8260B	630-20-6	1,1,1,2-Tetrachloroethane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401949031	PC-183-20171024-TB	10/24/2017	8260B	106-43-4	4-Chlorotoluene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401949031	PC-183-20171024-TB	10/24/2017	8260B	100-41-4	Ethyl Benzene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401949031	PC-183-20171024-TB	10/24/2017	8260B	120-82-1	1,2,4-Trichlorobenzene		U	0.40	1.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401949031	PC-183-20171024-TB	10/24/2017	8260B	95-49-8	2-Chlorotoluene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401949031	PC-183-20171024-TB	10/24/2017	8260B	75-69-4	Trichlorofluoromethane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401949031	PC-183-20171024-TB	10/24/2017	8260B	78-87-5	1,2-Dichloropropane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401949031	PC-183-20171024-TB	10/24/2017	8260B	99-87-6	p-Cymene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401949031	PC-183-20171024-TB	10/24/2017	8260B	96-12-8	1,2-Dibromo-3-chloropropane		U	0.50	1.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401949031	PC-183-20171024-TB	10/24/2017	8260B	127-18-4	Tetrachloroethene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401949031	PC-183-20171024-TB	10/24/2017	8260B	75-35-4	1,1-Dichloroethene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401949031	PC-183-20171024-TB	10/24/2017	8260B	541-73-1	1,3-Dichlorobenzene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401949031	PC-183-20171024-TB	10/24/2017	8260B	74-83-9	Bromomethane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401949031	PC-183-20171024-TB	10/24/2017	8260B	74-95-3	Dibromomethane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401949031	PC-183-20171024-TB	10/24/2017	8260B	79-00-5	1,1,2-Trichloroethane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401949031	PC-183-20171024-TB	10/24/2017	8260B	95-47-6	ortho-xylene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401949031	PC-183-20171024-TB	10/24/2017	8260B	124-48-1	Dibromochloromethane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401949031	PC-183-20171024-TB	10/24/2017	8260B	95-63-6	1,2,4-Trimethylbenzene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401949031	PC-183-20171024-TB	10/24/2017	8260B	79-34-5	1,1,2,2-Tetrachloroethane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401949031	PC-183-20171024-TB	10/24/2017	8260B	594-20-7	2,2-Dichloropropane		U	0.40	1.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401949031	PC-183-20171024-TB	10/24/2017	8260B	100-42-5	Styrene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401949031	PC-183-20171024-TB	10/24/2017	8260B	135-98-8	sec-Butylbenzene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator <sup>1</sup>	Qualification Finding	Acceptance Criteria
4401949031	PC-183-20171024-TB	10/24/2017	8260B	108-67-8	1,3,5-Trimethylbenzene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401949031	PC-183-20171024-TB	10/24/2017	8260B	108-90-7	Chlorobenzene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401949031	PC-183-20171024-TB	10/24/2017	8260B	79-01-6	Trichloroethene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401949031	PC-183-20171024-TB	10/24/2017	8260B	75-25-2	Bromoform		U	0.40	1.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401949031	PC-183-20171024-TB	10/24/2017	8260B	95-50-1	1,2-Dichlorobenzene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401949031	PC-183-20171024-TB	10/24/2017	8260B	87-68-3	Hexachlorobutadiene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401949031	PC-183-20171024-TB	10/24/2017	8260B	108-88-3	Toluene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401949031	PC-183-20171024-TB	10/24/2017	8260B	563-58-6	1,1-Dichloropropene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401949031	PC-183-20171024-TB	10/24/2017	8260B	67-66-3	Chloroform		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401949031	PC-183-20171024-TB	10/24/2017	8260B	106-46-7	1,4-Dichlorobenzene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401949031	PC-183-20171024-TB	10/24/2017	8260B	10061-02-6	trans-1,3-Dichloropropene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401949031	PC-183-20171024-TB	10/24/2017	8260B	71-43-2	Benzene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401949031	PC-183-20171024-TB	10/24/2017	8260B	103-65-1	n-Propylbenzene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401949031	PC-183-20171024-TB	10/24/2017	8260B	637-92-3	Ethyl tert-butyl ether		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401949031	PC-183-20171024-TB	10/24/2017	8260B	108-86-1	Bromobenzene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401949031	PC-183-20171024-TB	10/24/2017	8260B	156-59-2	cis-1,2-Dichloroethene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401949031	PC-183-20171024-TB	10/24/2017	8260B	107-06-2	1,2-Dichloroethane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401949031	PC-183-20171024-TB	10/24/2017	8260B	10061-01-5	cis-1,3-Dichloropropene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401949031	PC-183-20171024-TB	10/24/2017	8260B	96-18-4	1,2,3-Trichloropropane		U	0.40	1.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401949031	PC-183-20171024-TB	10/24/2017	8260B	75-34-3	1,1-Dichloroethane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401949031	PC-183-20171024-TB	10/24/2017	8260B	87-61-6	1,2,3-Trichlorobenzene		U	0.40	1.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401949031	PC-183-20171024-TB	10/24/2017	8260B	74-97-5	Bromochloromethane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401949031	PC-183-20171024-TB	10/24/2017	8260B	98-06-6	tert-Butylbenzene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401949031	PC-183-20171024-TB	10/24/2017	8260B	98-82-8	Cumene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401949031	PC-183-20171024-TB	10/24/2017	8260B	74-87-3	Chloromethane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401949031	PC-183-20171024-TB	10/24/2017	8260B	106-93-4	1,2-Dibromoethane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401949031	PC-184-20171024	10/24/2017	8260B	87-61-6	1,2,3-Trichlorobenzene		U	0.40	1.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401949031	PC-184-20171024	10/24/2017	8260B	108-86-1	Bromobenzene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401949031	PC-184-20171024	10/24/2017	8260B	106-93-4	1,2-Dibromoethane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401949031	PC-184-20171024	10/24/2017	8260B	10061-01-5	cis-1,3-Dichloropropene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401949031	PC-184-20171024	10/24/2017	8260B	107-06-2	1,2-Dichloroethane	0.39	J	0.25	0.50	ug/l	J-	sp,vh	< PQL; Sample receipt	Headspace in containers	< 6 mm
4401949031	PC-184-20171024	10/24/2017	8260B	156-59-2	cis-1,2-Dichloroethene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401949031	PC-184-20171024	10/24/2017	8260B	120-82-1	1,2,4-Trichlorobenzene		U	0.40	1.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401949031	PC-184-20171024	10/24/2017	8260B	74-97-5	Bromochloromethane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401949031	PC-184-20171024	10/24/2017	8260B	71-43-2	Benzene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401949031	PC-184-20171024	10/24/2017	8260B	96-18-4	1,2,3-Trichloropropane		U	0.40	1.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401949031	PC-184-20171024	10/24/2017	8260B	637-92-3	Ethyl tert-butyl ether		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401949031	PC-184-20171024	10/24/2017	8260B	10061-02-6	trans-1,3-Dichloropropene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401949031	PC-184-20171024	10/24/2017	8260B	75-34-3	1,1-Dichloroethane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401949031	PC-184-20171024	10/24/2017	8260B	78-93-3	2-Butanone		U	2.5	5.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401949031	PC-184-20171024	10/24/2017	8260B	594-20-7	2,2-Dichloropropane		U	0.40	1.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401949031	PC-184-20171024	10/24/2017	8260B	106-46-7	1,4-Dichlorobenzene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401949031	PC-184-20171024	10/24/2017	8260B	67-66-3	Chloroform	53		0.25	0.50	ug/l	J-	vh	Sample receipt	Headspace in containers	< 6 mm
4401949031	PC-184-20171024	10/24/2017	8260B	563-58-6	1,1-Dichloropropene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401949031	PC-184-20171024	10/24/2017	8260B	98-06-6	tert-Butylbenzene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401949031	PC-184-20171024	10/24/2017	8260B	95-50-1	1,2-Dichlorobenzene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401949031	PC-184-20171024	10/24/2017	8260B	74-87-3	Chloromethane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401949031	PC-184-20171024	10/24/2017	8260B	98-82-8	Cumene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401949031	PC-184-20171024	10/24/2017	8260B	87-68-3	Hexachlorobutadiene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401949031	PC-184-20171024	10/24/2017	8260B	79-34-5	1,1,2,2-Tetrachloroethane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401949031	PC-184-20171024	10/24/2017	8260B	75-25-2	Bromoform		U	0.40	1.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401949031	PC-184-20171024	10/24/2017	8260B	79-01-6	Trichloroethene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401949031	PC-184-20171024	10/24/2017	8260B	108-90-7	Chlorobenzene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401949031	PC-184-20171024	10/24/2017	8260B	108-67-8	1,3,5-Trimethylbenzene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401949031	PC-184-20171024	10/24/2017	8260B	103-65-1	n-Propylbenzene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator <sup>1</sup>	Qualification Finding	Acceptance Criteria
4401949031	PC-184-20171024	10/24/2017	8260B	135-98-8	sec-Butylbenzene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401949031	PC-184-20171024	10/24/2017	8260B	78-87-5	1,2-Dichloropropane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401949031	PC-184-20171024	10/24/2017	8260B	75-71-8	Dichlorodifluoromethane		U	0.40	1.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401949031	PC-184-20171024	10/24/2017	8260B	108-88-3	Toluene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401949031	PC-184-20171024	10/24/2017	8260B	127-18-4	Tetrachloroethene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401949031	PC-184-20171024	10/24/2017	8260B	106-43-4	4-Chlorotoluene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401949031	PC-184-20171024	10/24/2017	8260B	541-73-1	1,3-Dichlorobenzene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401949031	PC-184-20171024	10/24/2017	8260B	74-83-9	Bromomethane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401949031	PC-184-20171024	10/24/2017	8260B	74-95-3	Dibromomethane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401949031	PC-184-20171024	10/24/2017	8260B	75-01-4	Vinyl Chloride		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401949031	PC-184-20171024	10/24/2017	8260B	75-69-4	Trichlorofluoromethane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401949031	PC-184-20171024	10/24/2017	8260B	99-87-6	p-Cymene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401949031	PC-184-20171024	10/24/2017	8260B	95-63-6	1,2,4-Trimethylbenzene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401949031	PC-184-20171024	10/24/2017	8260B	124-48-1	Dibromochloromethane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401949031	PC-184-20171024	10/24/2017	8260B	79-00-5	1,1,2-Trichloroethane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401949031	PC-184-20171024	10/24/2017	8260B	95-47-6	ortho-xylene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401949031	PC-184-20171024	10/24/2017	8260B	104-51-8	n-Butylbenzene		U	0.40	1.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401949031	PC-184-20171024	10/24/2017	8260B	100-42-5	Styrene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401949031	PC-184-20171024	10/24/2017	8260B	95-49-8	2-Chlorotoluene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401949031	PC-184-20171024	10/24/2017	8260B	100-41-4	Ethyl Benzene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401949031	PC-184-20171024	10/24/2017	8260B	75-00-3	Chloroethane		U	0.40	1.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401949031	PC-184-20171024	10/24/2017	8260B	142-28-9	1,3-Dichloropropane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401949031	PC-184-20171024	10/24/2017	8260B	56-23-5	Carbon Tetrachloride	0.32	J	0.25	0.50	ug/l	J-	sp,vh	< PQL; Sample receipt	Headspace in containers	< 6 mm
4401949031	PC-184-20171024	10/24/2017	8260B	156-60-5	trans-1,2-Dichloroethene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401949031	PC-184-20171024	10/24/2017	8260B	91-20-3	Naphthalene		U	0.40	1.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401949031	PC-184-20171024	10/24/2017	8260B	71-55-6	1,1,1-Trichloroethane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401949031	PC-184-20171024	10/24/2017	8260B	75-35-4	1,1-Dichloroethene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401949031	PC-184-20171024	10/24/2017	8260B	75-27-4	Bromodichloromethane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401949031	PC-184-20171024	10/24/2017	8260B	630-20-6	1,1,1,2-Tetrachloroethane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401949031	PC-184-20171024	10/24/2017	8260B	136777-61-2	m,p-xylene		U	0.50	1.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401949031	PC-184-20171024	10/24/2017	8260B	75-09-2	Methylene Chloride	7.3		0.88	2.0	ug/l	J-	vh	Sample receipt	Headspace in containers	< 6 mm
4401949031	PC-184-20171024	10/24/2017	8260B	96-12-8	1,2-Dibromo-3-chloropropane		U	0.50	1.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401949031	PC-185-20171024	10/24/2017	8260B	100-42-5	Styrene		UF2F1	0.25	0.50	ug/l	UJ	m	MS/MSD %R	-,25	29-150 %
4401949031	PC-185-20171024	10/24/2017	8260B	107-06-2	1,2-Dichloroethane	0.31	J	0.25	0.50	ug/l	J	sp	< PQL		
4401949031	PC-187-20171024	10/24/2017	8260B	79-01-6	Trichloroethene	0.62	J	0.50	1.0	ug/l	J	sp	< PQL		
4401949861	MC-61-20171025	10/25/2017	8260B	75-34-3	1,1-Dichloroethane	0.41	J	0.25	0.50	ug/l	J	sp	< PQL		
4401949861	MC-61-20171025	10/25/2017	8260B	67-66-3	Chloroform	0.47	J	0.25	0.50	ug/l	J	sp	< PQL		
4401949861	MC-61-20171025	10/25/2017	8260B	87-61-6	1,2,3-Trichlorobenzene	0.67	J	0.40	1.0	ug/l	J	sp	< PQL		
4401949861	MC-62-20171025	10/25/2017	8260B	541-73-1	1,3-Dichlorobenzene	0.35	J	0.25	0.50	ug/l	J	sp	< PQL		
4401949861	MC-65R-20171025	10/25/2017	8260B	108-90-7	Chlorobenzene	0.47	J	0.25	0.50	ug/l	J	sp	< PQL		
4401949861	MC-73-20171025	10/25/2017	8260B	106-46-7	1,4-Dichlorobenzene	0.48	J	0.25	0.50	ug/l	J	sp	< PQL		
4401949921	MC-63-20171025	10/25/2017	8260B	106-46-7	1,4-Dichlorobenzene	0.41	J	0.25	0.50	ug/l	J	sp	< PQL		
4401949921	MC-63-20171025	10/25/2017	8260B	127-18-4	Tetrachloroethene	0.40	J	0.25	0.50	ug/l	J	sp	< PQL		
4401949921	MC-63-20171025	10/25/2017	8260B	541-73-1	1,3-Dichlorobenzene	0.39	J	0.25	0.50	ug/l	J	sp	< PQL		
4401949921	MC-MW-38-20171025	10/25/2017	8260B	108-88-3	Toluene	0.49	J	0.25	0.50	ug/l	J	sp	< PQL		
4401949921	MC-MW-38-20171025	10/25/2017	8260B	75-35-4	1,1-Dichloroethene	0.27	J	0.25	0.50	ug/l	J	sp	< PQL		
4401949921	MC-MW-38-20171025	10/25/2017	8260B	79-01-6	Trichloroethene	0.43	J	0.25	0.50	ug/l	J	sp	< PQL		
4401949921	MC-MW-38-20171025	10/25/2017	8260B	67-66-3	Chloroform	0.34	J	0.25	0.50	ug/l	J	sp	< PQL		
4401949921	PC-37-20171025	10/25/2017	8260B	127-18-4	Tetrachloroethene	0.31	J	0.25	0.50	ug/l	J	sp	< PQL		
4401951091	MC-65-20171026	10/26/2017	8260B	107-06-2	1,2-Dichloroethane	0.48	J	0.25	0.50	ug/l	J	sp	< PQL		
4401951091	MC-66-20171026	10/26/2017	8260B	56-23-5	Carbon Tetrachloride	0.29	J	0.25	0.50	ug/l	J	sp	< PQL		
4401951091	MC-MW-36-20171026	10/26/2017	8260B	91-20-3	Naphthalene	0.42	J	0.40	1.0	ug/l	J	sp	< PQL		
4401951091	MC-MW-36-20171026	10/26/2017	8260B	108-90-7	Chlorobenzene	49	F1	0.25	0.50	ug/l	J-	m	MS/MSD %R	-,59	70-130 %
4401951091	MC-MW-37-20171026	10/26/2017	8260B	95-50-1	1,2-Dichlorobenzene	0.33	J	0.25	0.50	ug/l	J	sp	< PQL		
4401951091	MC-MW-37-20171026	10/26/2017	8260B	56-23-5	Carbon Tetrachloride	0.34	J	0.25	0.50	ug/l	J	sp	< PQL		

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator <sup>1</sup>	Qualification Finding	Acceptance Criteria
4401951091	MC-MW-37-20171026	10/26/2017	8260B	79-01-6	Trichloroethene	0.25	J	0.25	0.50	ug/l	J	sp	< PQL		
4401951091	PC-72-20171026	10/26/2017	8260B	79-01-6	Trichloroethene	0.48	J	0.25	0.50	ug/l	J	sp	< PQL		
4401951111	H-48-20171026	10/26/2017	8260B	120-82-1	1,2,4-Trichlorobenzene	0.77	J	0.40	1.0	ug/l	J	sp	< PQL		
4401951111	H-49A-20171026	10/26/2017	8260B	127-18-4	Tetrachloroethene	0.30	J	0.25	0.50	ug/l	J	sp	< PQL		
4401951111	H-56A-20171026	10/26/2017	8260B	95-50-1	1,2-Dichlorobenzene	0.45	J	0.25	0.50	ug/l	J	sp	< PQL		
4401951111	H-56A-20171026-TB	10/26/2017	8260B	87-68-3	Hexachlorobutadiene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401951111	H-56A-20171026-TB	10/26/2017	8260B	75-34-3	1,1-Dichloroethane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401951111	H-56A-20171026-TB	10/26/2017	8260B	87-61-6	1,2,3-Trichlorobenzene		U	0.40	1.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401951111	H-56A-20171026-TB	10/26/2017	8260B	74-97-5	Bromochloromethane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401951111	H-56A-20171026-TB	10/26/2017	8260B	108-88-3	Toluene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401951111	H-56A-20171026-TB	10/26/2017	8260B	79-34-5	1,1,2,2-Tetrachloroethane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401951111	H-56A-20171026-TB	10/26/2017	8260B	103-65-1	n-Propylbenzene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401951111	H-56A-20171026-TB	10/26/2017	8260B	108-67-8	1,3,5-Trimethylbenzene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401951111	H-56A-20171026-TB	10/26/2017	8260B	108-90-7	Chlorobenzene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401951111	H-56A-20171026-TB	10/26/2017	8260B	135-98-8	sec-Butylbenzene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401951111	H-56A-20171026-TB	10/26/2017	8260B	95-50-1	1,2-Dichlorobenzene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401951111	H-56A-20171026-TB	10/26/2017	8260B	96-18-4	1,2,3-Trichloropropane		U	0.40	1.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401951111	H-56A-20171026-TB	10/26/2017	8260B	75-25-2	Bromoform		U	0.40	1.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401951111	H-56A-20171026-TB	10/26/2017	8260B	108-86-1	Bromobenzene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401951111	H-56A-20171026-TB	10/26/2017	8260B	79-01-6	Trichloroethene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401951111	H-56A-20171026-TB	10/26/2017	8260B	637-92-3	Ethyl tert-butyl ether		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401951111	H-56A-20171026-TB	10/26/2017	8260B	594-20-7	2,2-Dichloropropane		U	0.40	1.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401951111	H-56A-20171026-TB	10/26/2017	8260B	71-43-2	Benzene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401951111	H-56A-20171026-TB	10/26/2017	8260B	156-59-2	cis-1,2-Dichloroethene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401951111	H-56A-20171026-TB	10/26/2017	8260B	120-82-1	1,2,4-Trichlorobenzene		U	0.40	1.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401951111	H-56A-20171026-TB	10/26/2017	8260B	107-06-2	1,2-Dichloroethane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401951111	H-56A-20171026-TB	10/26/2017	8260B	75-69-4	Trichlorofluoromethane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401951111	H-56A-20171026-TB	10/26/2017	8260B	106-93-4	1,2-Dibromoethane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401951111	H-56A-20171026-TB	10/26/2017	8260B	106-46-7	1,4-Dichlorobenzene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401951111	H-56A-20171026-TB	10/26/2017	8260B	10061-02-6	trans-1,3-Dichloropropene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401951111	H-56A-20171026-TB	10/26/2017	8260B	563-58-6	1,1-Dichloropropene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401951111	H-56A-20171026-TB	10/26/2017	8260B	98-06-6	tert-Butylbenzene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401951111	H-56A-20171026-TB	10/26/2017	8260B	67-66-3	Chloroform		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401951111	H-56A-20171026-TB	10/26/2017	8260B	74-87-3	Chloromethane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401951111	H-56A-20171026-TB	10/26/2017	8260B	10061-01-5	cis-1,3-Dichloropropene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401951111	H-56A-20171026-TB	10/26/2017	8260B	71-55-6	1,1,1-Trichloroethane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401951111	H-56A-20171026-TB	10/26/2017	8260B	78-87-5	1,2-Dichloropropane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401951111	H-56A-20171026-TB	10/26/2017	8260B	98-82-8	Cumene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401951111	H-56A-20171026-TB	10/26/2017	8260B	104-51-8	n-Butylbenzene		U	0.40	1.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401951111	H-56A-20171026-TB	10/26/2017	8260B	142-28-9	1,3-Dichloropropane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401951111	H-56A-20171026-TB	10/26/2017	8260B	100-42-5	Styrene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401951111	H-56A-20171026-TB	10/26/2017	8260B	100-41-4	Ethyl Benzene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401951111	H-56A-20171026-TB	10/26/2017	8260B	156-60-5	trans-1,2-Dichloroethene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401951111	H-56A-20171026-TB	10/26/2017	8260B	56-23-5	Carbon Tetrachloride		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401951111	H-56A-20171026-TB	10/26/2017	8260B	75-71-8	Dichlorodifluoromethane		U	0.40	1.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401951111	H-56A-20171026-TB	10/26/2017	8260B	78-93-3	2-Butanone		U	2.5	5.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401951111	H-56A-20171026-TB	10/26/2017	8260B	75-00-3	Chloroethane		U	0.40	1.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401951111	H-56A-20171026-TB	10/26/2017	8260B	136777-61-2	m,p-xylene		U	0.50	1.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401951111	H-56A-20171026-TB	10/26/2017	8260B	630-20-6	1,1,1,2-Tetrachloroethane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401951111	H-56A-20171026-TB	10/26/2017	8260B	75-35-4	1,1-Dichloroethene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401951111	H-56A-20171026-TB	10/26/2017	8260B	127-18-4	Tetrachloroethene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401951111	H-56A-20171026-TB	10/26/2017	8260B	75-01-4	Vinyl Chloride		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401951111	H-56A-20171026-TB	10/26/2017	8260B	99-87-6	p-Cymene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401951111	H-56A-20171026-TB	10/26/2017	8260B	95-49-8	2-Chlorotoluene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401951111	H-56A-20171026-TB	10/26/2017	8260B	75-09-2	Methylene Chloride		U	0.88	2.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator <sup>1</sup>	Qualification Finding	Acceptance Criteria
4401951111	H-56A-20171026-TB	10/26/2017	8260B	106-43-4	4-Chlorotoluene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401951111	H-56A-20171026-TB	10/26/2017	8260B	75-27-4	Bromodichloromethane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401951111	H-56A-20171026-TB	10/26/2017	8260B	74-83-9	Bromomethane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401951111	H-56A-20171026-TB	10/26/2017	8260B	74-95-3	Dibromomethane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401951111	H-56A-20171026-TB	10/26/2017	8260B	95-47-6	ortho-xylene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401951111	H-56A-20171026-TB	10/26/2017	8260B	96-12-8	1,2-Dibromo-3-chloropropane		U	0.50	1.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401951111	H-56A-20171026-TB	10/26/2017	8260B	79-00-5	1,1,2-Trichloroethane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401951111	H-56A-20171026-TB	10/26/2017	8260B	95-63-6	1,2,4-Trimethylbenzene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401951111	H-56A-20171026-TB	10/26/2017	8260B	124-48-1	Dibromochloromethane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401951111	H-56A-20171026-TB	10/26/2017	8260B	91-20-3	Naphthalene		U	0.40	1.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401951111	H-56A-20171026-TB	10/26/2017	8260B	541-73-1	1,3-Dichlorobenzene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401951111	H-56R-20171026	10/26/2017	8260B	67-66-3	Chloroform	0.38	J	0.25	0.50	ug/l	J	sp	< PQL		
4401951111	H-56R-20171026	10/26/2017	8260B	87-61-6	1,2,3-Trichlorobenzene	0.81	J	0.40	1.0	ug/l	J	sp	< PQL		
4401951991	H-58R-20171027	10/27/2017	8260B	79-01-6	Trichloroethene	0.44	J	0.25	0.50	ug/l	J	sp	< PQL		
4401951991	H-58R-20171027	10/27/2017	8260B	67-66-3	Chloroform	0.35	J	0.25	0.50	ug/l	J	sp	< PQL		
4401951991	M-242-20171027	10/27/2017	8260B	541-73-1	1,3-Dichlorobenzene	0.41	J	0.25	0.50	ug/l	J	sp	< PQL		
4401951991	M-244-20171027	10/27/2017	8260B	75-09-2	Methylene Chloride	1.4	J	0.88	2.0	ug/l	J	sp	< PQL		
4401951991	M-245-20171027	10/27/2017	8260B	75-09-2	Methylene Chloride	1.7	J	0.88	2.0	ug/l	J	sp	< PQL		
4401951991	M-44-20171027	10/27/2017	8260B	75-25-2	Bromoform	0.93	J	0.40	1.0	ug/l	J	sp	< PQL		
4401951991	M-44-20171027	10/27/2017	8260B	127-18-4	Tetrachloroethene	0.40	J	0.25	0.50	ug/l	J	sp	< PQL		
4401951991	M-44-20171027	10/27/2017	8260B	79-01-6	Trichloroethene	0.47	J	0.25	0.50	ug/l	J	sp	< PQL		
4401951991	PC-71-20171027	10/27/2017	8260B	79-01-6	Trichloroethene	0.32	J	0.25	0.50	ug/l	J	sp	< PQL		
4401951991	PC-71-20171027	10/27/2017	8260B	108-90-7	Chlorobenzene	0.38	J	0.25	0.50	ug/l	J	sp	< PQL		
4401952191	M-246-20171027	10/27/2017	8260B	67-66-3	Chloroform	36	F1	0.25	0.50	ug/l	J-	m	MS/MSD %R	-,69	70-130 %
4401952191	PC-171-20171027	10/27/2017	8260B	108-90-7	Chlorobenzene	0.38	J	0.25	0.50	ug/l	J	sp	< PQL		
4401952851	PC-164-20171030	10/30/2017	8260B	75-35-4	1,1-Dichloroethene	0.36	J	0.25	0.50	ug/l	J	sp	< PQL		
4401952851	PC-164-20171030	10/30/2017	8260B	79-01-6	Trichloroethene	0.33	J	0.25	0.50	ug/l	J	sp	< PQL		
4401952851	PC-166-20171030	10/30/2017	8260B	67-66-3	Chloroform	0.27	J	0.25	0.50	ug/l	J	sp	< PQL		
4401952851	PC-166-20171030	10/30/2017	8260B	71-43-2	Benzene	0.28	J	0.25	0.50	ug/l	J	sp	< PQL		
4401952851	PC-166-20171030-TB	10/30/2017	8260B	156-59-2	cis-1,2-Dichloroethene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401952851	PC-166-20171030-TB	10/30/2017	8260B	10061-01-5	cis-1,3-Dichloropropene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401952851	PC-166-20171030-TB	10/30/2017	8260B	563-58-6	1,1-Dichloropropene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401952851	PC-166-20171030-TB	10/30/2017	8260B	71-43-2	Benzene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401952851	PC-166-20171030-TB	10/30/2017	8260B	594-20-7	2,2-Dichloropropane		U	0.40	1.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401952851	PC-166-20171030-TB	10/30/2017	8260B	637-92-3	Ethyl tert-butyl ether		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401952851	PC-166-20171030-TB	10/30/2017	8260B	10061-02-6	trans-1,3-Dichloropropene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401952851	PC-166-20171030-TB	10/30/2017	8260B	107-06-2	1,2-Dichloroethane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401952851	PC-166-20171030-TB	10/30/2017	8260B	106-46-7	1,4-Dichlorobenzene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401952851	PC-166-20171030-TB	10/30/2017	8260B	87-68-3	Hexachlorobutadiene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401952851	PC-166-20171030-TB	10/30/2017	8260B	98-06-6	tert-Butylbenzene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401952851	PC-166-20171030-TB	10/30/2017	8260B	87-61-6	1,2,3-Trichlorobenzene		U	0.40	1.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401952851	PC-166-20171030-TB	10/30/2017	8260B	75-34-3	1,1-Dichloroethane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401952851	PC-166-20171030-TB	10/30/2017	8260B	74-97-5	Bromochloromethane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401952851	PC-166-20171030-TB	10/30/2017	8260B	120-82-1	1,2,4-Trichlorobenzene		U	0.40	1.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401952851	PC-166-20171030-TB	10/30/2017	8260B	95-50-1	1,2-Dichlorobenzene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401952851	PC-166-20171030-TB	10/30/2017	8260B	96-18-4	1,2,3-Trichloropropane		U	0.40	1.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401952851	PC-166-20171030-TB	10/30/2017	8260B	79-34-5	1,1,2,2-Tetrachloroethane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401952851	PC-166-20171030-TB	10/30/2017	8260B	108-88-3	Toluene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401952851	PC-166-20171030-TB	10/30/2017	8260B	103-65-1	n-Propylbenzene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401952851	PC-166-20171030-TB	10/30/2017	8260B	108-90-7	Chlorobenzene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401952851	PC-166-20171030-TB	10/30/2017	8260B	74-87-3	Chloromethane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401952851	PC-166-20171030-TB	10/30/2017	8260B	135-98-8	sec-Butylbenzene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401952851	PC-166-20171030-TB	10/30/2017	8260B	106-93-4	1,2-Dibromoethane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401952851	PC-166-20171030-TB	10/30/2017	8260B	75-25-2	Bromoform		U	0.40	1.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401952851	PC-166-20171030-TB	10/30/2017	8260B	79-01-6	Trichloroethene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator <sup>1</sup>	Qualification Finding	Acceptance Criteria
4401952851	PC-166-20171030-TB	10/30/2017	8260B	98-82-8	Cumene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401952851	PC-166-20171030-TB	10/30/2017	8260B	71-55-6	1,1,1-Trichloroethane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401952851	PC-166-20171030-TB	10/30/2017	8260B	67-66-3	Chloroform		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401952851	PC-166-20171030-TB	10/30/2017	8260B	108-86-1	Bromobenzene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401952851	PC-166-20171030-TB	10/30/2017	8260B	108-67-8	1,3,5-Trimethylbenzene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401952851	PC-166-20171030-TB	10/30/2017	8260B	95-47-6	ortho-xylene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401952851	PC-166-20171030-TB	10/30/2017	8260B	136777-61-2	m,p-xylene		U	0.50	1.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401952851	PC-166-20171030-TB	10/30/2017	8260B	106-43-4	4-Chlorotoluene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401952851	PC-166-20171030-TB	10/30/2017	8260B	127-18-4	Tetrachloroethene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401952851	PC-166-20171030-TB	10/30/2017	8260B	541-73-1	1,3-Dichlorobenzene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401952851	PC-166-20171030-TB	10/30/2017	8260B	74-83-9	Bromomethane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401952851	PC-166-20171030-TB	10/30/2017	8260B	74-95-3	Dibromomethane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401952851	PC-166-20171030-TB	10/30/2017	8260B	75-01-4	Vinyl Chloride		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401952851	PC-166-20171030-TB	10/30/2017	8260B	75-69-4	Trichlorofluoromethane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401952851	PC-166-20171030-TB	10/30/2017	8260B	78-87-5	1,2-Dichloropropane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401952851	PC-166-20171030-TB	10/30/2017	8260B	99-87-6	p-Cymene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401952851	PC-166-20171030-TB	10/30/2017	8260B	95-49-8	2-Chlorotoluene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401952851	PC-166-20171030-TB	10/30/2017	8260B	95-63-6	1,2,4-Trimethylbenzene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401952851	PC-166-20171030-TB	10/30/2017	8260B	75-27-4	Bromodichloromethane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401952851	PC-166-20171030-TB	10/30/2017	8260B	79-00-5	1,1,2-Trichloroethane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401952851	PC-166-20171030-TB	10/30/2017	8260B	75-71-8	Dichlorodifluoromethane		U	0.40	1.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401952851	PC-166-20171030-TB	10/30/2017	8260B	75-35-4	1,1-Dichloroethene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401952851	PC-166-20171030-TB	10/30/2017	8260B	96-12-8	1,2-Dibromo-3-chloropropane		U	0.50	1.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401952851	PC-166-20171030-TB	10/30/2017	8260B	91-20-3	Naphthalene		U	0.40	1.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401952851	PC-166-20171030-TB	10/30/2017	8260B	630-20-6	1,1,1,2-Tetrachloroethane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401952851	PC-166-20171030-TB	10/30/2017	8260B	75-09-2	Methylene Chloride		U	0.88	2.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401952851	PC-166-20171030-TB	10/30/2017	8260B	124-48-1	Dibromochloromethane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401952851	PC-166-20171030-TB	10/30/2017	8260B	78-93-3	2-Butanone		U	2.5	5.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401952851	PC-166-20171030-TB	10/30/2017	8260B	100-42-5	Styrene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401952851	PC-166-20171030-TB	10/30/2017	8260B	100-41-4	Ethyl Benzene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401952851	PC-166-20171030-TB	10/30/2017	8260B	104-51-8	n-Butylbenzene		U	0.40	1.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401952851	PC-166-20171030-TB	10/30/2017	8260B	142-28-9	1,3-Dichloropropane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401952851	PC-166-20171030-TB	10/30/2017	8260B	56-23-5	Carbon Tetrachloride		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401952851	PC-166-20171030-TB	10/30/2017	8260B	156-60-5	trans-1,2-Dichloroethene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401952851	PC-166-20171030-TB	10/30/2017	8260B	75-00-3	Chloroethane		U	0.40	1.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401952851	PC-167-20171030	10/30/2017	8260B	79-01-6	Trichloroethene	0.36	J	0.25	0.50	ug/l	J	sp	< PQL		
4401952851	PC-167-20171030	10/30/2017	8260B	106-46-7	1,4-Dichlorobenzene	0.35	J	0.25	0.50	ug/l	J	sp	< PQL		
4401952851	PC-167-20171030	10/30/2017	8260B	108-90-7	Chlorobenzene	0.29	J	0.25	0.50	ug/l	J	sp	< PQL		
4401952851	PC-167-20171030	10/30/2017	8260B	95-50-1	1,2-Dichlorobenzene	0.41	J	0.25	0.50	ug/l	J	sp	< PQL		
4401953661	M-196-20171031	10/31/2017	8260B	75-27-4	Bromodichloromethane	0.32	J	0.25	0.50	ug/l	J	sp	< PQL		
4401953661	M-196-20171031	10/31/2017	8260B	108-90-7	Chlorobenzene	0.25	J	0.25	0.50	ug/l	J	sp	< PQL		
4401953661	M-196-20171031-TB	10/31/2017	8260B	67-66-3	Chloroform		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401953661	M-196-20171031-TB	10/31/2017	8260B	594-20-7	2,2-Dichloropropane		U	0.40	1.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401953661	M-196-20171031-TB	10/31/2017	8260B	637-92-3	Ethyl tert-butyl ether		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401953661	M-196-20171031-TB	10/31/2017	8260B	75-34-3	1,1-Dichloroethane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401953661	M-196-20171031-TB	10/31/2017	8260B	74-97-5	Bromochloromethane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401953661	M-196-20171031-TB	10/31/2017	8260B	87-61-6	1,2,3-Trichlorobenzene		U	0.40	1.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401953661	M-196-20171031-TB	10/31/2017	8260B	96-18-4	1,2,3-Trichloropropane		U	0.40	1.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401953661	M-196-20171031-TB	10/31/2017	8260B	98-06-6	tert-Butylbenzene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401953661	M-196-20171031-TB	10/31/2017	8260B	107-06-2	1,2-Dichloroethane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401953661	M-196-20171031-TB	10/31/2017	8260B	74-87-3	Chloromethane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401953661	M-196-20171031-TB	10/31/2017	8260B	108-86-1	Bromobenzene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401953661	M-196-20171031-TB	10/31/2017	8260B	106-93-4	1,2-Dibromoethane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401953661	M-196-20171031-TB	10/31/2017	8260B	106-46-7	1,4-Dichlorobenzene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401953661	M-196-20171031-TB	10/31/2017	8260B	10061-02-6	trans-1,3-Dichloropropene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator <sup>1</sup>	Qualification Finding	Acceptance Criteria
4401953661	M-196-20171031-TB	10/31/2017	8260B	98-82-8	Cumene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401953661	M-196-20171031-TB	10/31/2017	8260B	75-25-2	Bromoform		U	0.40	1.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401953661	M-196-20171031-TB	10/31/2017	8260B	563-58-6	1,1-Dichloropropene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401953661	M-196-20171031-TB	10/31/2017	8260B	106-43-4	4-Chlorotoluene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401953661	M-196-20171031-TB	10/31/2017	8260B	108-90-7	Chlorobenzene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401953661	M-196-20171031-TB	10/31/2017	8260B	103-65-1	n-Propylbenzene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401953661	M-196-20171031-TB	10/31/2017	8260B	108-67-8	1,3,5-Trimethylbenzene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401953661	M-196-20171031-TB	10/31/2017	8260B	156-59-2	cis-1,2-Dichloroethene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401953661	M-196-20171031-TB	10/31/2017	8260B	95-50-1	1,2-Dichlorobenzene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401953661	M-196-20171031-TB	10/31/2017	8260B	71-43-2	Benzene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401953661	M-196-20171031-TB	10/31/2017	8260B	79-01-6	Trichloroethene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401953661	M-196-20171031-TB	10/31/2017	8260B	87-68-3	Hexachlorobutadiene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401953661	M-196-20171031-TB	10/31/2017	8260B	79-34-5	1,1,2,2-Tetrachloroethane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401953661	M-196-20171031-TB	10/31/2017	8260B	108-88-3	Toluene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401953661	M-196-20171031-TB	10/31/2017	8260B	10061-01-5	cis-1,3-Dichloropropene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401953661	M-196-20171031-TB	10/31/2017	8260B	120-82-1	1,2,4-Trichlorobenzene		U	0.40	1.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401953661	M-196-20171031-TB	10/31/2017	8260B	135-98-8	sec-Butylbenzene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401953661	M-196-20171031-TB	10/31/2017	8260B	95-47-6	ortho-xylene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401953661	M-196-20171031-TB	10/31/2017	8260B	74-95-3	Dibromomethane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401953661	M-196-20171031-TB	10/31/2017	8260B	75-71-8	Dichlorodifluoromethane		U	0.40	1.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401953661	M-196-20171031-TB	10/31/2017	8260B	127-18-4	Tetrachloroethene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401953661	M-196-20171031-TB	10/31/2017	8260B	74-83-9	Bromomethane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401953661	M-196-20171031-TB	10/31/2017	8260B	541-73-1	1,3-Dichlorobenzene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401953661	M-196-20171031-TB	10/31/2017	8260B	75-01-4	Vinyl Chloride		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401953661	M-196-20171031-TB	10/31/2017	8260B	75-69-4	Trichlorofluoromethane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401953661	M-196-20171031-TB	10/31/2017	8260B	78-87-5	1,2-Dichloropropane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401953661	M-196-20171031-TB	10/31/2017	8260B	95-49-8	2-Chlorotoluene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401953661	M-196-20171031-TB	10/31/2017	8260B	95-63-6	1,2,4-Trimethylbenzene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401953661	M-196-20171031-TB	10/31/2017	8260B	99-87-6	p-Cymene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401953661	M-196-20171031-TB	10/31/2017	8260B	79-00-5	1,1,2-Trichloroethane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401953661	M-196-20171031-TB	10/31/2017	8260B	630-20-6	1,1,1,2-Tetrachloroethane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401953661	M-196-20171031-TB	10/31/2017	8260B	136777-61-2	m,p-xylene		U	0.50	1.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401953661	M-196-20171031-TB	10/31/2017	8260B	56-23-5	Carbon Tetrachloride		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401953661	M-196-20171031-TB	10/31/2017	8260B	78-93-3	2-Butanone		U	2.5	5.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401953661	M-196-20171031-TB	10/31/2017	8260B	100-42-5	Styrene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401953661	M-196-20171031-TB	10/31/2017	8260B	100-41-4	Ethyl Benzene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401953661	M-196-20171031-TB	10/31/2017	8260B	124-48-1	Dibromochloromethane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401953661	M-196-20171031-TB	10/31/2017	8260B	142-28-9	1,3-Dichloropropane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401953661	M-196-20171031-TB	10/31/2017	8260B	71-55-6	1,1,1-Trichloroethane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401953661	M-196-20171031-TB	10/31/2017	8260B	156-60-5	trans-1,2-Dichloroethene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401953661	M-196-20171031-TB	10/31/2017	8260B	75-27-4	Bromodichloromethane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401953661	M-196-20171031-TB	10/31/2017	8260B	75-35-4	1,1-Dichloroethene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401953661	M-196-20171031-TB	10/31/2017	8260B	96-12-8	1,2-Dibromo-3-chloropropane		U	0.50	1.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401953661	M-196-20171031-TB	10/31/2017	8260B	91-20-3	Naphthalene		U	0.40	1.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401953661	M-196-20171031-TB	10/31/2017	8260B	75-09-2	Methylene Chloride		U	0.88	2.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401953661	M-196-20171031-TB	10/31/2017	8260B	75-00-3	Chloroethane		U	0.40	1.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401953661	M-196-20171031-TB	10/31/2017	8260B	104-51-8	n-Butylbenzene		U	0.40	1.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401953661	M-198-20171031	10/31/2017	8260B	106-46-7	1,4-Dichlorobenzene	0.25	J	0.25	0.50	ug/l	J	sp	< PQL		
4401953661	M-199-20171031	10/31/2017	8260B	75-25-2	Bromoform	7.4	J	0.40	10	ug/l	J	sp	< PQL		
4401953671	PC-161-20171031	10/31/2017	8260B	541-73-1	1,3-Dichlorobenzene	0.29	J	0.25	0.50	ug/l	J	sp	< PQL		
4401953671	PC-161-20171031	10/31/2017	8260B	87-61-6	1,2,3-Trichlorobenzene	0.61	J	0.40	1.0	ug/l	J	sp	< PQL		
4401953671	PC-161-20171031	10/31/2017	8260B	67-66-3	Chloroform	0.33	J	0.25	0.50	ug/l	J	sp	< PQL		
4401953671	PC-161-20171031-FD	10/31/2017	8260B	541-73-1	1,3-Dichlorobenzene	0.25	J	0.25	0.50	ug/l	J	sp	< PQL		
4401953671	PC-161-20171031-FD	10/31/2017	8260B	87-61-6	1,2,3-Trichlorobenzene	0.63	J	0.40	1.0	ug/l	J	sp	< PQL		
4401953671	PC-161-20171031-FD	10/31/2017	8260B	67-66-3	Chloroform	0.28	J	0.25	0.50	ug/l	J	sp	< PQL		

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator <sup>1</sup>	Qualification Finding	Acceptance Criteria
4401953671	PC-162-20171031	10/31/2017	8260B	87-61-6	1,2,3-Trichlorobenzene	0.96	J	0.40	1.0	ug/l	J	sp	< PQL		
4401953671	PC-194-20171031	10/31/2017	8260B	75-34-3	1,1-Dichloroethane	0.42	J	0.25	0.50	ug/l	J	sp	< PQL		
4401954351	PC-165-20171101	11/1/2017	8260B	87-61-6	1,2,3-Trichlorobenzene	0.51	J	0.40	1.0	ug/l	J	sp	< PQL		
4401954351	PC-165-20171101-FD	11/1/2017	8260B	87-61-6	1,2,3-Trichlorobenzene	0.41	J	0.40	1.0	ug/l	J	sp	< PQL		
4401954351	PC-191-20171101-EB	11/1/2017	8260B	75-09-2	Methylene Chloride	1.4	J	0.88	2.0	ug/l	J	sp	< PQL		
4401954351	PC-195-20171101	11/1/2017	8260B	108-90-7	Chlorobenzene	0.33	J	0.25	0.50	ug/l	J	sp	< PQL		
4401954361	M-21D-20171101	11/1/2017	8260B	75-27-4	Bromodichloromethane	0.36	J	0.25	0.50	ug/l	J	sp	< PQL		
4401954361	M-239-20171101-TB	11/1/2017	8260B	108-90-7	Chlorobenzene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401954361	M-239-20171101-TB	11/1/2017	8260B	106-46-7	1,4-Dichlorobenzene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401954361	M-239-20171101-TB	11/1/2017	8260B	637-92-3	Ethyl tert-butyl ether		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401954361	M-239-20171101-TB	11/1/2017	8260B	108-86-1	Bromobenzene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401954361	M-239-20171101-TB	11/1/2017	8260B	103-65-1	n-Propylbenzene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401954361	M-239-20171101-TB	11/1/2017	8260B	75-25-2	Bromoform		U	0.40	1.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401954361	M-239-20171101-TB	11/1/2017	8260B	79-01-6	Trichloroethene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401954361	M-239-20171101-TB	11/1/2017	8260B	95-50-1	1,2-Dichlorobenzene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401954361	M-239-20171101-TB	11/1/2017	8260B	108-67-8	1,3,5-Trimethylbenzene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401954361	M-239-20171101-TB	11/1/2017	8260B	98-82-8	Cumene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401954361	M-239-20171101-TB	11/1/2017	8260B	108-88-3	Toluene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401954361	M-239-20171101-TB	11/1/2017	8260B	79-34-5	1,1,2,2-Tetrachloroethane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401954361	M-239-20171101-TB	11/1/2017	8260B	87-68-3	Hexachlorobutadiene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401954361	M-239-20171101-TB	11/1/2017	8260B	135-98-8	sec-Butylbenzene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401954361	M-239-20171101-TB	11/1/2017	8260B	96-18-4	1,2,3-Trichloropropane		U	0.40	1.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401954361	M-239-20171101-TB	11/1/2017	8260B	75-01-4	Vinyl Chloride		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401954361	M-239-20171101-TB	11/1/2017	8260B	594-20-7	2,2-Dichloropropane		U	0.40	1.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401954361	M-239-20171101-TB	11/1/2017	8260B	71-43-2	Benzene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401954361	M-239-20171101-TB	11/1/2017	8260B	156-59-2	cis-1,2-Dichloroethene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401954361	M-239-20171101-TB	11/1/2017	8260B	120-82-1	1,2,4-Trichlorobenzene		U	0.40	1.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401954361	M-239-20171101-TB	11/1/2017	8260B	74-87-3	Chloromethane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401954361	M-239-20171101-TB	11/1/2017	8260B	10061-01-5	cis-1,3-Dichloropropene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401954361	M-239-20171101-TB	11/1/2017	8260B	563-58-6	1,1-Dichloropropene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401954361	M-239-20171101-TB	11/1/2017	8260B	74-97-5	Bromochloromethane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401954361	M-239-20171101-TB	11/1/2017	8260B	87-61-6	1,2,3-Trichlorobenzene		U	0.40	1.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401954361	M-239-20171101-TB	11/1/2017	8260B	75-34-3	1,1-Dichloroethane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401954361	M-239-20171101-TB	11/1/2017	8260B	106-93-4	1,2-Dibromoethane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401954361	M-239-20171101-TB	11/1/2017	8260B	98-06-6	tert-Butylbenzene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401954361	M-239-20171101-TB	11/1/2017	8260B	67-66-3	Chloroform		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401954361	M-239-20171101-TB	11/1/2017	8260B	107-06-2	1,2-Dichloroethane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401954361	M-239-20171101-TB	11/1/2017	8260B	75-35-4	1,1-Dichloroethene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401954361	M-239-20171101-TB	11/1/2017	8260B	10061-02-6	trans-1,3-Dichloropropene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401954361	M-239-20171101-TB	11/1/2017	8260B	630-20-6	1,1,1,2-Tetrachloroethane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401954361	M-239-20171101-TB	11/1/2017	8260B	136777-61-2	m,p-xylene		U	0.50	1.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401954361	M-239-20171101-TB	11/1/2017	8260B	75-09-2	Methylene Chloride		U	0.88	2.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401954361	M-239-20171101-TB	11/1/2017	8260B	75-00-3	Chloroethane		U	0.40	1.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401954361	M-239-20171101-TB	11/1/2017	8260B	75-69-4	Trichlorofluoromethane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401954361	M-239-20171101-TB	11/1/2017	8260B	75-27-4	Bromodichloromethane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401954361	M-239-20171101-TB	11/1/2017	8260B	96-12-8	1,2-Dibromo-3-chloropropane		U	0.50	1.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401954361	M-239-20171101-TB	11/1/2017	8260B	91-20-3	Naphthalene		U	0.40	1.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401954361	M-239-20171101-TB	11/1/2017	8260B	100-42-5	Styrene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401954361	M-239-20171101-TB	11/1/2017	8260B	100-41-4	Ethyl Benzene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401954361	M-239-20171101-TB	11/1/2017	8260B	104-51-8	n-Butylbenzene		U	0.40	1.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401954361	M-239-20171101-TB	11/1/2017	8260B	142-28-9	1,3-Dichloropropane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401954361	M-239-20171101-TB	11/1/2017	8260B	56-23-5	Carbon Tetrachloride		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401954361	M-239-20171101-TB	11/1/2017	8260B	74-83-9	Bromomethane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401954361	M-239-20171101-TB	11/1/2017	8260B	78-87-5	1,2-Dichloropropane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401954361	M-239-20171101-TB	11/1/2017	8260B	99-87-6	p-Cymene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm



Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator <sup>1</sup>	Qualification Finding	Acceptance Criteria
4401954361	M-239-20171101-TB	11/1/2017	8260B	95-49-8	2-Chlorotoluene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401954361	M-239-20171101-TB	11/1/2017	8260B	95-63-6	1,2,4-Trimethylbenzene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401954361	M-239-20171101-TB	11/1/2017	8260B	127-18-4	Tetrachloroethene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401954361	M-239-20171101-TB	11/1/2017	8260B	106-43-4	4-Chlorotoluene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401954361	M-239-20171101-TB	11/1/2017	8260B	156-60-5	trans-1,2-Dichloroethene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401954361	M-239-20171101-TB	11/1/2017	8260B	71-55-6	1,1,1-Trichloroethane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401954361	M-239-20171101-TB	11/1/2017	8260B	74-95-3	Dibromomethane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401954361	M-239-20171101-TB	11/1/2017	8260B	95-47-6	ortho-xylene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401954361	M-239-20171101-TB	11/1/2017	8260B	79-00-5	1,1,2-Trichloroethane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401954361	M-239-20171101-TB	11/1/2017	8260B	124-48-1	Dibromochloromethane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401954361	M-239-20171101-TB	11/1/2017	8260B	78-93-3	2-Butanone		U	2.5	5.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401954361	M-239-20171101-TB	11/1/2017	8260B	75-71-8	Dichlorodifluoromethane		U	0.40	1.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401954361	M-239-20171101-TB	11/1/2017	8260B	541-73-1	1,3-Dichlorobenzene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401954361	M-240-20171101	11/1/2017	8260B	56-23-5	Carbon Tetrachloride	0.43	J	0.25	0.50	ug/l	J	sp	< PQL		
4401955781	PC-188-20171102	11/2/2017	8260B	75-27-4	Bromodichloromethane	0.28	J	0.25	0.50	ug/l	J	sp	< PQL		
4401955801	M-216-20171102	11/2/2017	8260B	79-01-6	Trichloroethene	0.39	J	0.25	0.50	ug/l	J	sp	< PQL		
4401955801	M-217-20171102	11/2/2017	8260B	56-23-5	Carbon Tetrachloride	0.31	J	0.25	0.50	ug/l	J	sp	< PQL		
4401956931	M-205-20171103	11/3/2017	8260B	106-46-7	1,4-Dichlorobenzene	0.39	J	0.25	0.50	ug/l	J	sp	< PQL		
4401956931	M-205-20171103-EB	11/3/2017	8260B	75-09-2	Methylene Chloride	1.0	J	0.88	2.0	ug/l	J	sp	< PQL		
4401956931	M-206-20171103	11/3/2017	8260B	127-18-4	Tetrachloroethene	0.56	J	0.25	1.0	ug/l	J	sp	< PQL		
4401956931	M-206-20171103	11/3/2017	8260B	79-01-6	Trichloroethene	0.52	J	0.25	1.0	ug/l	J	sp	< PQL		
4401956931	PC-179-20171103	11/3/2017	8260B	75-27-4	Bromodichloromethane	0.28	J	0.25	0.50	ug/l	J	sp	< PQL		
4401956931	PC-179-20171103	11/3/2017	8260B	75-25-2	Bromoform	0.78	J	0.40	1.0	ug/l	J	sp	< PQL		
4401956931	PC-186-20171103	11/3/2017	8260B	79-01-6	Trichloroethene	0.27	J	0.25	0.50	ug/l	J	sp	< PQL		
4401957971	M-235-20171106	11/6/2017	8260B	78-87-5	1,2-Dichloropropane	0.35	J	0.25	0.50	ug/l	J	sp	< PQL		
4401957971	M-235-20171106	11/6/2017	8260B	75-27-4	Bromodichloromethane	0.26	J	0.25	0.50	ug/l	J	sp	< PQL		
4401957971	M-235-20171106	11/6/2017	8260B	96-18-4	1,2,3-Trichloropropane	0.90	J	0.40	1.0	ug/l	J	sp	< PQL		
4401957971	M-235-20171106	11/6/2017	8260B	75-34-3	1,1-Dichloroethane	0.31	J	0.25	0.50	ug/l	J	sp	< PQL		
4401957971	M-238-20171106	11/6/2017	8260B	56-23-5	Carbon Tetrachloride	0.28	J	0.25	0.50	ug/l	J	sp	< PQL		
4401957981	M-208-20171106	11/6/2017	8260B	75-27-4	Bromodichloromethane	0.27	J	0.25	0.50	ug/l	J	sp	< PQL		
4401957981	M-208-20171106	11/6/2017	8260B	127-18-4	Tetrachloroethene	0.35	J	0.25	0.50	ug/l	J	sp	< PQL		
4401957981	M-208-20171106	11/6/2017	8260B	79-01-6	Trichloroethene	0.26	J	0.25	0.50	ug/l	J	sp	< PQL		
4401957981	M-208-20171106	11/6/2017	8260B	106-46-7	1,4-Dichlorobenzene	0.49	J	0.25	0.50	ug/l	J	sp	< PQL		
4401957981	M-208-20171106	11/6/2017	8260B	75-25-2	Bromoform	0.67	J	0.40	1.0	ug/l	J	sp	< PQL		
4401957981	M-209-20171106	11/6/2017	8260B	75-27-4	Bromodichloromethane	0.43	J	0.25	0.50	ug/l	J	sp	< PQL		
4401957981	M-209-20171106-FD	11/6/2017	8260B	75-27-4	Bromodichloromethane	0.43	J	0.25	0.50	ug/l	J	sp	< PQL		
4401957981	M-211-20171106	11/6/2017	8260B	541-73-1	1,3-Dichlorobenzene	0.30	J	0.25	0.50	ug/l	J	sp	< PQL		
4401957981	M-212-20171106	11/6/2017	8260B	74-87-3	Chloromethane	0.27	J	0.25	0.50	ug/l	J	sp	< PQL		
4401958981	M-225-20171107	11/7/2017	8260B	56-23-5	Carbon Tetrachloride	45	J	0.25	50	ug/l	J	sp	< PQL		
4401958981	M-236-20171107	11/7/2017	8260B	56-23-5	Carbon Tetrachloride	0.49	J	0.25	0.50	ug/l	J	sp	< PQL		
4401959071	M-223-20171107	11/7/2017	8260B	75-09-2	Methylene Chloride	19	J	0.88	20	ug/l	J	sp	< PQL		
4401959071	M-223-20171107	11/7/2017	8260B	127-18-4	Tetrachloroethene	3.2	J	0.25	5.0	ug/l	J	sp	< PQL		
4401959071	M-229-20171107	11/7/2017	8260B	75-09-2	Methylene Chloride	13	J	0.88	20	ug/l	J	sp	< PQL		
4401959071	M-229-20171107-EB	11/7/2017	8260B	67-66-3	Chloroform	0.31	J	0.25	0.50	ug/l	J	sp	< PQL		
4401959071	M-230-20171107	11/7/2017	8260B	75-09-2	Methylene Chloride	1.4	J	0.88	2.0	ug/l	J	sp	< PQL		
4401959071	M-230-20171107	11/7/2017	8260B	56-23-5	Carbon Tetrachloride	0.30	J	0.25	0.50	ug/l	J	sp	< PQL		
4401959071	M-230-20171107-FD	11/7/2017	8260B	56-23-5	Carbon Tetrachloride	0.33	J	0.25	0.50	ug/l	J	sp	< PQL		
4401959071	M-230-20171107-FD	11/7/2017	8260B	75-09-2	Methylene Chloride	1.3	J	0.88	2.0	ug/l	J	sp	< PQL		
4401959361	M-166-20171106	11/6/2017	8260B	75-35-4	1,1-Dichloroethene	0.49	J	0.25	0.50	ug/l	J	sp	< PQL		
4401959361	M-167-20171106	11/6/2017	8260B	108-90-7	Chlorobenzene	0.34	J	0.25	0.50	ug/l	J	sp	< PQL		
4401959361	M-167-20171106	11/6/2017	8260B	127-18-4	Tetrachloroethene	0.42	J	0.25	0.50	ug/l	J	sp	< PQL		
4401959361	M-168-20171106	11/6/2017	8260B	100-42-5	Styrene		UF1	0.25	0.50	ug/l	UJ	m	MS/MSD %R	23,22	29-150 %
4401959361	M-168-20171106	11/6/2017	8260B	79-01-6	Trichloroethene	0.34	J	0.25	0.50	ug/l	J	sp	< PQL		
4401959361	M-169-20171107	11/7/2017	8260B	79-01-6	Trichloroethene	0.46	J	0.25	0.50	ug/l	J	sp	< PQL		
4401959361	M-169-20171107	11/7/2017	8260B	108-90-7	Chlorobenzene	0.47	J	0.25	0.50	ug/l	J	sp	< PQL		

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator <sup>1</sup>	Qualification Finding	Acceptance Criteria
4401959361	M-170-20171107	11/7/2017	8260B	75-25-2	Bromoform	0.63	J	0.40	1.0	ug/l	J	sp	< PQL		
4401959361	M-170-20171107	11/7/2017	8260B	106-46-7	1,4-Dichlorobenzene	0.33	J	0.25	0.50	ug/l	J	sp	< PQL		
4401959361	M-55-20171107	11/7/2017	8260B	127-18-4	Tetrachloroethene	0.33	J	0.25	0.50	ug/l	J	sp	< PQL		
4401959361	M-55-20171107	11/7/2017	8260B	106-46-7	1,4-Dichlorobenzene	0.46	J	0.25	0.50	ug/l	J	sp	< PQL		
4401959361	M-55-20171107	11/7/2017	8260B	75-27-4	Bromodichloromethane	0.30	J	0.25	0.50	ug/l	J	sp	< PQL		
4401960721	M-175-20171108	11/8/2017	8260B	127-18-4	Tetrachloroethene	0.42	J	0.25	0.50	ug/l	J	sp	< PQL		
4401960721	M-176-20171108	11/8/2017	8260B	120-82-1	1,2,4-Trichlorobenzene	0.73	J	0.40	1.0	ug/l	J	sp	< PQL		
4401960721	M-176-20171108	11/8/2017	8260B	127-18-4	Tetrachloroethene	0.36	J	0.25	0.50	ug/l	J	sp	< PQL		
4401960721	M-177-20171108	11/8/2017	8260B	56-23-5	Carbon Tetrachloride	0.25	J	0.25	0.50	ug/l	J	sp	< PQL		
4401960721	M-177-20171108	11/8/2017	8260B	127-18-4	Tetrachloroethene	0.47	J	0.25	0.50	ug/l	J	sp	< PQL		
4401960721	M-177-20171108	11/8/2017	8260B	120-82-1	1,2,4-Trichlorobenzene	0.48	J	0.40	1.0	ug/l	J	sp	< PQL		
4401960721	M-78-20171108	11/8/2017	8260B	106-46-7	1,4-Dichlorobenzene	0.43	J	0.25	0.50	ug/l	J	sp	< PQL		
4401960721	M-78-20171108	11/8/2017	8260B	75-25-2	Bromoform	0.93	J	0.40	1.0	ug/l	J	sp	< PQL		
4401960721	M-78-20171108	11/8/2017	8260B	127-18-4	Tetrachloroethene	0.35	J	0.25	0.50	ug/l	J	sp	< PQL		
4401960721	M-78-20171108	11/8/2017	8260B	75-35-4	1,1-Dichloroethene	0.26	J	0.25	0.50	ug/l	J	sp	< PQL		
4401960741	M-172-20171108	11/8/2017	8260B	75-25-2	Bromoform	1.8	J	0.40	2.5	ug/l	J	sp	< PQL		
4401960741	M-172-20171108	11/8/2017	8260B	541-73-1	1,3-Dichlorobenzene	0.99	J	0.25	1.3	ug/l	J	sp	< PQL		
4401960741	M-172-20171108	11/8/2017	8260B	95-50-1	1,2-Dichlorobenzene	0.74	J	0.25	1.3	ug/l	J	sp	< PQL		
4401960741	M-172-20171108	11/8/2017	8260B	106-46-7	1,4-Dichlorobenzene	0.63	J	0.25	1.3	ug/l	J	sp	< PQL		
4401960741	M-173-20171108	11/8/2017	8260B	106-46-7	1,4-Dichlorobenzene	0.54	J	0.25	1.0	ug/l	J	sp	< PQL		
4401960741	M-173-20171108	11/8/2017	8260B	79-01-6	Trichloroethene	0.81	J	0.25	1.0	ug/l	J	sp	< PQL		
4401960741	M-173-20171108	11/8/2017	8260B	75-25-2	Bromoform	1.1	J	0.40	2.0	ug/l	J	sp	< PQL		
4401960741	M-173-20171108	11/8/2017	8260B	95-50-1	1,2-Dichlorobenzene	0.62	J	0.25	1.0	ug/l	J	sp	< PQL		
4401960741	M-58-20171108	11/8/2017	8260B	79-01-6	Trichloroethene	0.73	J	0.25	1.3	ug/l	J	sp	< PQL		
4401960741	M-58-20171108	11/8/2017	8260B	56-23-5	Carbon Tetrachloride	0.71	J	0.25	1.3	ug/l	J	sp	< PQL		
4401960741	M-60-20171108	11/8/2017	8260B	75-25-2	Bromoform	2.0	J	0.40	2.5	ug/l	J	sp	< PQL		
4401960741	M-60-20171108	11/8/2017	8260B	541-73-1	1,3-Dichlorobenzene	0.79	J	0.25	1.3	ug/l	J	sp	< PQL		
4401960741	M-60-20171108-FD	11/8/2017	8260B	106-46-7	1,4-Dichlorobenzene	0.67	J	0.25	1.3	ug/l	J	sp	< PQL		
4401960741	M-60-20171108-FD	11/8/2017	8260B	541-73-1	1,3-Dichlorobenzene	0.86	J	0.25	1.3	ug/l	J	sp	< PQL		
4401884901	M-195-100.0-20170717-EB	7/17/2017	8260BSIM	96-18-4	1,2,3-Trichloropropane		U	0.0025	0.0050	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401884901	M-195-100.0-20170717-EB	7/17/2017	8260BSIM	123-91-1	1,4-Dioxane		U	0.50	2.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401891401	RI-14-90.0-20170727-EBTB	7/27/2017	8260BSIM	123-91-1	1,4-Dioxane		U	0.50	2.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401891401	RI-14-90.0-20170727-EBTB	7/27/2017	8260BSIM	96-18-4	1,2,3-Trichloropropane		U	0.0025	0.0050	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401892891	RI-15-110.0-20170731-EBTB	7/31/2017	8260BSIM	96-18-4	1,2,3-Trichloropropane		U	0.0025	0.0050	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401892891	RI-15-110.0-20170731-EBTB	7/31/2017	8260BSIM	123-91-1	1,4-Dioxane		U	0.50	2.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401906751	PC-40-20170821	8/21/2017	8260BSIM	96-18-4	1,2,3-Trichloropropane	0.0045	J	0.0025	0.0050	ug/l	J	sp	< PQL		
4401907511	H-49A-20170822	8/22/2017	8260BSIM	96-18-4	1,2,3-Trichloropropane	0.0031	J	0.0025	0.0050	ug/l	J	sp	< PQL		
4401907511	H-49A-20170822-FD	8/22/2017	8260BSIM	96-18-4	1,2,3-Trichloropropane	0.0043	J	0.0025	0.0050	ug/l	J	sp	< PQL		
4401908481	MC-63-20170823	8/23/2017	8260BSIM	123-91-1	1,4-Dioxane	0.88	J	0.50	2.0	ug/l	J	sp	< PQL		
4401908481	MC-66-20170823	8/23/2017	8260BSIM	123-91-1	1,4-Dioxane	0.93	J	0.50	2.0	ug/l	J	sp	< PQL		
4401908481	MC-MW-37-20170823	8/23/2017	8260BSIM	123-91-1	1,4-Dioxane	0.51	J	0.50	2.0	ug/l	J	sp	< PQL		
4401908481	PC-73-20170823	8/23/2017	8260BSIM	123-91-1	1,4-Dioxane	1.3	J	0.50	2.0	ug/l	J	sp	< PQL		
4401909491	M-44-20170824	8/24/2017	8260BSIM	123-91-1	1,4-Dioxane	0.72	J	0.50	2.0	ug/l	J	sp	< PQL		
4401909491	PC-71-20170824	8/24/2017	8260BSIM	123-91-1	1,4-Dioxane	1.1	J	0.50	2.0	ug/l	J	sp	< PQL		
4401909491	PC-72-20170824	8/24/2017	8260BSIM	123-91-1	1,4-Dioxane	1.2	J	0.50	2.0	ug/l	J	sp	< PQL		
4401909491	PC-72-20170824-FD	8/24/2017	8260BSIM	123-91-1	1,4-Dioxane	1.6	J	0.50	2.0	ug/l	J	sp	< PQL		
4401914941	M-238-20170905	9/5/2017	8260BSIM	123-91-1	1,4-Dioxane	1.5	J	0.50	2.0	ug/l	J	sp	< PQL		
4401915841	M-205-20170906	9/6/2017	8260BSIM	123-91-1	1,4-Dioxane	0.64	J	0.50	2.0	ug/l	J	sp	< PQL		
4401915841	M-234-20170906	9/6/2017	8260BSIM	96-18-4	1,2,3-Trichloropropane	0.0046	J	0.0025	0.0050	ug/l	J	sp	< PQL		
4401916911	M-206-20170907	9/7/2017	8260BSIM	123-91-1	1,4-Dioxane	0.82	J	0.50	2.0	ug/l	J	sp	< PQL		
4401917751	M-242-20170908	9/8/2017	8260BSIM	123-91-1	1,4-Dioxane	0.85	J	0.50	2.0	ug/l	J	sp	< PQL		
4401917751	M-242-20170908	9/8/2017	8260BSIM	96-18-4	1,2,3-Trichloropropane	0.0041	J	0.0025	0.0050	ug/l	J	sp	< PQL		
4401917751	M-243-20170908	9/8/2017	8260BSIM	123-91-1	1,4-Dioxane		U	0.50	2.0	ug/l	UJ	s	Surrogate %R (DBFM)	74	80-120 %
4401917751	M-243-20170908	9/8/2017	8260BSIM	96-18-4	1,2,3-Trichloropropane		U	0.0025	0.0050	ug/l	UJ	s	Surrogate %R (DBFM)	74	80-120 %
4401917751	M-243-20170908-FD	9/8/2017	8260BSIM	123-91-1	1,4-Dioxane	0.58	J	0.50	2.0	ug/l	J-	s,sp	Surrogate %R (DBFM); < PQL	69	80-120 %

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator <sup>1</sup>	Qualification Finding	Acceptance Criteria
4401917751	M-243-20170908-FD	9/8/2017	8260BSIM	96-18-4	1,2,3-Trichloropropane		U	0.0025	0.0050	ug/l	UJ	s	Surrogate %R (DBFM)	69	80-120 %
4401918001	M-246-20170908	9/8/2017	8260BSIM	123-91-1	1,4-Dioxane	0.52	J	0.50	2.0	ug/l	J	sp	< PQL		
4401918001	M-246-20170908	9/8/2017	8260BSIM	96-18-4	1,2,3-Trichloropropane	0.0031	J	0.0025	0.0050	ug/l	J	sp	< PQL		
4401919791	PC-180-20170912	9/12/2017	8260BSIM	123-91-1	1,4-Dioxane	1.3	J	0.50	2.0	ug/l	J	sp	< PQL		
4401919791	PC-183-20170912	9/12/2017	8260BSIM	123-91-1	1,4-Dioxane	0.90	J	0.50	2.0	ug/l	J	sp	< PQL		
4401920091	PC-185-20170912	9/12/2017	8260BSIM	96-18-4	1,2,3-Trichloropropane	0.0030	J	0.0025	0.0050	ug/l	J	sp	< PQL		
4401920091	PC-187-20170912	9/12/2017	8260BSIM	123-91-1	1,4-Dioxane	0.64	J	0.50	2.0	ug/l	J	sp	< PQL		
4401921061	PC-162-20170913	9/13/2017	8260BSIM	123-91-1	1,4-Dioxane	1.9	J	0.50	2.0	ug/l	J	sp	< PQL		
4401922531	PC-166-20170914	9/14/2017	8260BSIM	123-91-1	1,4-Dioxane	1.4	J	0.50	2.0	ug/l	J	sp	< PQL		
4401922531	PC-169-20170914	9/14/2017	8260BSIM	123-91-1	1,4-Dioxane	1.0	J	0.50	2.0	ug/l	J	sp	< PQL		
4401923381	PC-167-20170915	9/15/2017	8260BSIM	123-91-1	1,4-Dioxane	0.52	J	0.50	2.0	ug/l	J	sp	< PQL		
4401928971	PC-164-20170925	9/25/2017	8260BSIM	123-91-1	1,4-Dioxane	0.87	J	0.50	2.0	ug/l	J	sp	< PQL		
4401929691	PC-174-20170926	9/26/2017	8260BSIM	123-91-1	1,4-Dioxane	1.1	J	0.50	2.0	ug/l	J	sp	< PQL		
4401930601	M-226-20170927	9/27/2017	8260BSIM	96-18-4	1,2,3-Trichloropropane	0.0036	J	0.0025	0.0050	ug/l	J	sp	< PQL		
4401930601	PC-190-20170927	9/27/2017	8260BSIM	96-18-4	1,2,3-Trichloropropane	0.0026	J	0.0025	0.0050	ug/l	J	sp	< PQL		
4401930601	PC-190-20170927	9/27/2017	8260BSIM	123-91-1	1,4-Dioxane	1.1	J	0.50	2.0	ug/l	J	sp	< PQL		
4401931581	M-232-20170928	9/28/2017	8260BSIM	96-18-4	1,2,3-Trichloropropane	0.0041	J	0.0025	0.0050	ug/l	J	sp	< PQL		
4401932261	PC-192-20170929	9/29/2017	8260BSIM	96-18-4	1,2,3-Trichloropropane	0.0025	J	0.0025	0.0050	ug/l	J	sp	< PQL		
4401941071	M-93-20171011	10/11/2017	8260BSIM	123-91-1	1,4-Dioxane	1.5	J	0.50	2.0	ug/l	J	sp	< PQL		
4401943811	M-21D-20171016	10/16/2017	8260BSIM	123-91-1	1,4-Dioxane	1.2	J	0.50	2.0	ug/l	J	sp	< PQL		
4401943811	M-239-20171016	10/16/2017	8260BSIM	123-91-1	1,4-Dioxane	0.77	J	0.50	2.0	ug/l	J	sp	< PQL		
4401943811	M-239-20171016	10/16/2017	8260BSIM	96-18-4	1,2,3-Trichloropropane	0.0037	J	0.0025	0.0050	ug/l	J	sp	< PQL		
4401943811	M-240-20171016	10/16/2017	8260BSIM	123-91-1	1,4-Dioxane	0.83	J	0.50	2.0	ug/l	J	sp	< PQL		
4401945661	M-36D-20171018-TB	10/18/2017	8260BSIM	123-91-1	1,4-Dioxane		U	0.50	2.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401945661	M-36D-20171018-TB	10/18/2017	8260BSIM	96-18-4	1,2,3-Trichloropropane		U	0.0025	0.0050	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401946611	PC-153R-20171019	10/19/2017	8260BSIM	123-91-1	1,4-Dioxane	0.51	J	0.50	2.0	ug/l	J	sp	< PQL		
4401947381	M-125D-20171020	10/20/2017	8260BSIM	96-18-4	1,2,3-Trichloropropane	0.0060	J	0.0050	0.010	ug/l	J-	s,sp	Surrogate %R (DBFM); < PQL	55	80-120 %
4401947381	M-125D-20171020	10/20/2017	8260BSIM	123-91-1	1,4-Dioxane	1.2	J	1.0	4.0	ug/l	J-	s,sp	Surrogate %R (DBFM); < PQL	55	80-120 %
4401948241	M-226-20171023	10/23/2017	8260BSIM	96-18-4	1,2,3-Trichloropropane	0.0045	J	0.0025	0.0050	ug/l	J	sp	< PQL		
4401948961	PC-170-20171024	10/24/2017	8260BSIM	96-18-4	1,2,3-Trichloropropane	0.0045	J	0.0025	0.0050	ug/l	J	sp	< PQL		
4401948961	PC-180-20171024	10/24/2017	8260BSIM	123-91-1	1,4-Dioxane	1.2	J	0.50	2.0	ug/l	J	sp	< PQL		
4401948961	PC-181-20171024	10/24/2017	8260BSIM	96-18-4	1,2,3-Trichloropropane	0.0025	J	0.0025	0.0050	ug/l	J	sp	< PQL		
4401948961	PC-182-20171024-TB	10/24/2017	8260BSIM	123-91-1	1,4-Dioxane		U	0.50	2.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401948961	PC-182-20171024-TB	10/24/2017	8260BSIM	96-18-4	1,2,3-Trichloropropane		U	0.0025	0.0050	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401949031	PC-183-20171024	10/24/2017	8260BSIM	123-91-1	1,4-Dioxane	0.80	J	0.50	2.0	ug/l	J	sp	< PQL		
4401949031	PC-183-20171024-TB	10/24/2017	8260BSIM	96-18-4	1,2,3-Trichloropropane		U	0.0025	0.0050	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401949031	PC-183-20171024-TB	10/24/2017	8260BSIM	123-91-1	1,4-Dioxane		U	0.50	2.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401949031	PC-184-20171024	10/24/2017	8260BSIM	96-18-4	1,2,3-Trichloropropane	0.013		0.0025	0.0050	ug/l	J-	vh	Sample receipt	Headspace in containers	< 6 mm
4401949031	PC-184-20171024	10/24/2017	8260BSIM	123-91-1	1,4-Dioxane		U	0.50	2.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401949031	PC-185-20171024	10/24/2017	8260BSIM	96-18-4	1,2,3-Trichloropropane	0.0034	J	0.0025	0.0050	ug/l	J	sp	< PQL		
4401949031	PC-187-20171024	10/24/2017	8260BSIM	123-91-1	1,4-Dioxane	0.59	J	0.50	2.0	ug/l	J	sp	< PQL		
4401949031	PC-187-20171024-FD	10/24/2017	8260BSIM	123-91-1	1,4-Dioxane	0.66	J	0.50	2.0	ug/l	J	sp	< PQL		
4401949861	H-49R-20171025	10/25/2017	8260BSIM	123-91-1	1,4-Dioxane	1.4	J	0.50	2.0	ug/l	J	sp	< PQL		
4401949861	MC-65R-20171025	10/25/2017	8260BSIM	123-91-1	1,4-Dioxane	1.5	J	0.50	2.0	ug/l	J	sp	< PQL		
4401949861	PC-73-20171025	10/25/2017	8260BSIM	123-91-1	1,4-Dioxane	0.99	J	0.50	2.0	ug/l	J	sp	< PQL		
4401949921	MC-63-20171025	10/25/2017	8260BSIM	123-91-1	1,4-Dioxane	0.91	J	0.50	2.0	ug/l	J	sp	< PQL		
4401949921	MC-MW-38-20171025	10/25/2017	8260BSIM	123-91-1	1,4-Dioxane	1.3	J	0.50	2.0	ug/l	J	sp	< PQL		
4401951091	MC-66-20171026	10/26/2017	8260BSIM	123-91-1	1,4-Dioxane	1.1	J	0.50	2.0	ug/l	J	sp	< PQL		
4401951091	MC-MW-37-20171026	10/26/2017	8260BSIM	123-91-1	1,4-Dioxane	0.51	J	0.50	2.0	ug/l	J	sp	< PQL		
4401951091	PC-72-20171026	10/26/2017	8260BSIM	123-91-1	1,4-Dioxane	1.4	J	0.50	2.0	ug/l	J	sp	< PQL		
4401951091	PC-72-20171026-FD	10/26/2017	8260BSIM	123-91-1	1,4-Dioxane	1.5	J	0.50	2.0	ug/l	J	sp	< PQL		
4401951111	H-56A-20171026-TB	10/26/2017	8260BSIM	123-91-1	1,4-Dioxane		U	0.50	2.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401951111	H-56A-20171026-TB	10/26/2017	8260BSIM	96-18-4	1,2,3-Trichloropropane		U	0.0025	0.0050	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401951111	H-56R-20171026	10/26/2017	8260BSIM	123-91-1	1,4-Dioxane	0.56	J	0.50	2.0	ug/l	J	sp	< PQL		
4401951111	PC-40-20171026	10/26/2017	8260BSIM	96-18-4	1,2,3-Trichloropropane	0.0039	J	0.0025	0.0050	ug/l	J	sp	< PQL		

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator <sup>1</sup>	Qualification Finding	Acceptance Criteria
4401951991	H-58R-20171027	10/27/2017	8260BSIM	123-91-1	1,4-Dioxane	0.68	J	0.50	2.0	ug/l	J	sp	< PQL		
4401951991	H-58R-20171027	10/27/2017	8260BSIM	96-18-4	1,2,3-Trichloropropane	0.0033	J	0.0025	0.0050	ug/l	J	sp	< PQL		
4401951991	M-242-20171027	10/27/2017	8260BSIM	96-18-4	1,2,3-Trichloropropane	0.0046	J	0.0025	0.0050	ug/l	J	sp	< PQL		
4401951991	M-242-20171027	10/27/2017	8260BSIM	123-91-1	1,4-Dioxane	0.85	J	0.50	2.0	ug/l	J	sp	< PQL		
4401951991	M-243-20171027	10/27/2017	8260BSIM	123-91-1	1,4-Dioxane		U	0.50	2.0	ug/l	UJ	s	Surrogate %R (DBFM)	70	80-120 %
4401951991	M-243-20171027	10/27/2017	8260BSIM	96-18-4	1,2,3-Trichloropropane		U	0.0025	0.0050	ug/l	UJ	s	Surrogate %R (DBFM)	70	80-120 %
4401951991	M-44-20171027	10/27/2017	8260BSIM	123-91-1	1,4-Dioxane	0.87	J	0.50	2.0	ug/l	J	sp	< PQL		
4401951991	PC-71-20171027	10/27/2017	8260BSIM	123-91-1	1,4-Dioxane	1.0	J	0.50	2.0	ug/l	J	sp	< PQL		
4401952851	PC-164-20171030	10/30/2017	8260BSIM	123-91-1	1,4-Dioxane	0.75	J	0.50	2.0	ug/l	J	sp	< PQL		
4401952851	PC-166-20171030	10/30/2017	8260BSIM	123-91-1	1,4-Dioxane	1.5	J	0.50	2.0	ug/l	J	sp	< PQL		
4401952851	PC-166-20171030-TB	10/30/2017	8260BSIM	123-91-1	1,4-Dioxane		U	0.50	2.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401952851	PC-166-20171030-TB	10/30/2017	8260BSIM	96-18-4	1,2,3-Trichloropropane		U	0.0025	0.0050	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401952851	PC-167-20171030	10/30/2017	8260BSIM	123-91-1	1,4-Dioxane	0.60	J	0.50	2.0	ug/l	J	sp	< PQL		
4401952851	PC-169-20171030	10/30/2017	8260BSIM	123-91-1	1,4-Dioxane	0.95	J	0.50	2.0	ug/l	J	sp	< PQL		
4401952861	PC-174-20171030	10/30/2017	8260BSIM	123-91-1	1,4-Dioxane	0.90	J	0.50	2.0	ug/l	J	sp	< PQL		
4401952861	PC-190-20171030	10/30/2017	8260BSIM	96-18-4	1,2,3-Trichloropropane	0.0026	J	0.0025	0.0050	ug/l	J	sp	< PQL		
4401952861	PC-190-20171030	10/30/2017	8260BSIM	123-91-1	1,4-Dioxane	1.2	J	0.50	2.0	ug/l	J	sp	< PQL		
4401953661	M-196-20171031-TB	10/31/2017	8260BSIM	123-91-1	1,4-Dioxane		U	0.50	2.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401953661	M-196-20171031-TB	10/31/2017	8260BSIM	96-18-4	1,2,3-Trichloropropane		U	0.0025	0.0050	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401953671	PC-162-20171031	10/31/2017	8260BSIM	123-91-1	1,4-Dioxane	1.5	J	0.50	2.0	ug/l	J	sp	< PQL		
4401953671	PC-162-20171031	10/31/2017	8260BSIM	96-18-4	1,2,3-Trichloropropane	0.0041	J	0.0025	0.0050	ug/l	J	sp	< PQL		
4401953671	PC-162-20171031-FD	10/31/2017	8260BSIM	123-91-1	1,4-Dioxane	1.4	J	0.50	2.0	ug/l	J	sp	< PQL		
4401953671	PC-162-20171031-FD	10/31/2017	8260BSIM	96-18-4	1,2,3-Trichloropropane	0.0039	J	0.0025	0.0050	ug/l	J	sp	< PQL		
4401954351	PC-165-20171101	11/1/2017	8260BSIM	123-91-1	1,4-Dioxane	0.50	J	0.50	2.0	ug/l	J	sp	< PQL		
4401954361	M-21D-20171101	11/1/2017	8260BSIM	123-91-1	1,4-Dioxane	1.3	J	0.50	2.0	ug/l	J	sp	< PQL		
4401954361	M-239-20171101	11/1/2017	8260BSIM	123-91-1	1,4-Dioxane	0.77	J	0.50	2.0	ug/l	J	sp	< PQL		
4401954361	M-239-20171101	11/1/2017	8260BSIM	96-18-4	1,2,3-Trichloropropane	0.0038	J	0.0025	0.0050	ug/l	J	sp	< PQL		
4401954361	M-239-20171101-FD	11/1/2017	8260BSIM	123-91-1	1,4-Dioxane	0.89	J	0.50	2.0	ug/l	J	sp	< PQL		
4401954361	M-239-20171101-TB	11/1/2017	8260BSIM	123-91-1	1,4-Dioxane		U	0.50	2.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401954361	M-239-20171101-TB	11/1/2017	8260BSIM	96-18-4	1,2,3-Trichloropropane		U	0.0025	0.0050	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4401954361	M-240-20171101	11/1/2017	8260BSIM	123-91-1	1,4-Dioxane	0.69	J	0.50	2.0	ug/l	J	sp	< PQL		
4401955781	PC-175-20171102	11/2/2017	8260BSIM	123-91-1	1,4-Dioxane	1.9	J	0.50	2.0	ug/l	J	sp	< PQL		
4401956931	M-205-20171103	11/3/2017	8260BSIM	123-91-1	1,4-Dioxane	0.50	J	0.50	2.0	ug/l	J	sp	< PQL		
4401956931	M-206-20171103	11/3/2017	8260BSIM	123-91-1	1,4-Dioxane	1.1	J	0.50	2.0	ug/l	J	sp	< PQL		
4401957971	M-234-20171106	11/6/2017	8260BSIM	96-18-4	1,2,3-Trichloropropane	0.0035	J	0.0025	0.0050	ug/l	J	sp	< PQL		
4401957971	M-238-20171106	11/6/2017	8260BSIM	123-91-1	1,4-Dioxane	0.91	J	0.50	2.0	ug/l	J	sp	< PQL		
4401958981	M-236-20171107-FB	11/7/2017	8260BSIM	123-91-1	1,4-Dioxane	0.75	J	0.50	2.0	ug/l	J	sp	< PQL		
4401959361	M-166-20171106	11/6/2017	8260BSIM	123-91-1	1,4-Dioxane	0.90	J	0.50	2.0	ug/l	J	sp	< PQL		
4401959361	M-167-20171106	11/6/2017	8260BSIM	123-91-1	1,4-Dioxane	0.76	J	0.50	2.0	ug/l	J	sp	< PQL		
4401959361	M-168-20171106	11/6/2017	8260BSIM	123-91-1	1,4-Dioxane	1.2	J	0.50	2.0	ug/l	J	sp	< PQL		
4401959361	M-169-20171107	11/7/2017	8260BSIM	123-91-1	1,4-Dioxane	0.93	J	0.50	2.0	ug/l	J	sp	< PQL		
4401959361	M-170-20171107	11/7/2017	8260BSIM	123-91-1	1,4-Dioxane	1.8	J	0.50	2.0	ug/l	J	sp	< PQL		
4401960721	M-174-20171108	11/8/2017	8260BSIM	123-91-1	1,4-Dioxane	0.60	J	0.50	2.0	ug/l	J	sp	< PQL		
4401960741	M-172-20171108	11/8/2017	8260BSIM	123-91-1	1,4-Dioxane	0.96	J	0.50	2.0	ug/l	J	sp	< PQL		
4401960741	M-173-20171108	11/8/2017	8260BSIM	123-91-1	1,4-Dioxane	0.70	J	0.50	2.0	ug/l	J	sp	< PQL		
4401960741	M-56-20171108	11/8/2017	8260BSIM	123-91-1	1,4-Dioxane	0.59	J	0.50	2.0	ug/l	J	sp	< PQL		
4401960741	M-60-20171108	11/8/2017	8260BSIM	123-91-1	1,4-Dioxane	0.66	J	0.50	2.0	ug/l	J	sp	< PQL		
4401960741	M-60-20171108-FD	11/8/2017	8260BSIM	123-91-1	1,4-Dioxane	1.2	J	0.50	2.0	ug/l	J	sp	< PQL		
4401890601	RI-14-10.0-20170726	7/26/2017	8270C	110-86-1	Pyridine		U	0.15	0.35	mg/kg	UJ	c	CCV %D	24.2	20 %
4401890601	RI-14-20.0-20170726	7/26/2017	8270C	110-86-1	Pyridine		U	0.17	0.37	mg/kg	UJ	c	CCV %D	24.2	20 %
4401890601	RI-14-30.0-20170726	7/26/2017	8270C	110-86-1	Pyridine		U	0.16	0.35	mg/kg	UJ	c	CCV %D	24.2	20 %
4401890601	RI-14-5.0-20170726	7/26/2017	8270C	191-24-2	Benzo(g,h,i)perylene	0.22	J	0.12	0.35	mg/kg	J	sp	< PQL		
4401890601	RI-14-5.0-20170726	7/26/2017	8270C	110-86-1	Pyridine		U	0.16	0.36	mg/kg	UJ	c	CCV %D	24.2	20 %
4401890601	RI-14-5.0-20170726	7/26/2017	8270C	53-70-3	Dibenz(a,h)anthracene	0.15	J	0.11	0.44	mg/kg	J	sp	< PQL		
4401890601	RI-14-5.0-20170726	7/26/2017	8270C	193-39-5	Indeno(1,2,3-cd)pyrene	0.14	J	0.14	0.35	mg/kg	J	sp	< PQL		

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator <sup>1</sup>	Qualification Finding	Acceptance Criteria
4401892231	RI-15-10.0-20170728	7/28/2017	8270C	95-95-4	2,4,5-Trichlorophenol		U	0.13	0.34	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-10.0-20170728	7/28/2017	8270C	621-64-7	N-Nitroso-di-n-propylamine		U	0.071	0.25	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-10.0-20170728	7/28/2017	8270C	100-51-6	Benzyl Alcohol		U	0.15	0.34	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-10.0-20170728	7/28/2017	8270C	95-57-8	2-Chlorophenol		U	0.071	0.34	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-10.0-20170728	7/28/2017	8270C	91-58-7	2-Chloronaphthalene		U	0.068	0.34	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-10.0-20170728	7/28/2017	8270C	86-30-6	N-Nitrosodiphenylamine		U	0.081	0.34	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-10.0-20170728	7/28/2017	8270C	78-59-1	Isophorone		U	0.068	0.34	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-10.0-20170728	7/28/2017	8270C	7005-72-3	4-Chlorophenyl-phenyl ether		U	0.086	0.34	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-10.0-20170728	7/28/2017	8270C	50-32-8	Benzo(a)pyrene		U	0.068	0.34	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-10.0-20170728	7/28/2017	8270C	99-09-2	3-Nitroaniline		U	0.14	0.34	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-10.0-20170728	7/28/2017	8270C	120-12-7	Anthracene		U	0.081	0.34	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-10.0-20170728	7/28/2017	8270C	90-12-0	1-Methylnaphthalene		U	0.15	0.36	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-10.0-20170728	7/28/2017	8270C	101-55-3	4-Bromophenyl-phenyl ether		U	0.076	0.34	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-10.0-20170728	7/28/2017	8270C	108-95-2	Phenol		U	0.091	0.34	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-10.0-20170728	7/28/2017	8270C	191-24-2	Benzo(g,h,i)perylene		U	0.11	0.34	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-10.0-20170728	7/28/2017	8270C	87-86-5	Pentachlorophenol		U	0.35	0.84	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-10.0-20170728	7/28/2017	8270C	83-32-9	Acenaphthene		U	0.068	0.34	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-10.0-20170728	7/28/2017	8270C	85-68-7	Butylbenzylphthalate		U	0.081	0.34	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-10.0-20170728	7/28/2017	8270C	88-74-4	2-Nitroaniline		U	0.068	0.34	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-10.0-20170728	7/28/2017	8270C	67-72-1	Hexachloroethane		U	0.14	0.34	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-10.0-20170728	7/28/2017	8270C	118-74-1	Hexachlorobenzene		U	0.071	0.34	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-10.0-20170728	7/28/2017	8270C	106-47-8	4-Chloroaniline		U	0.14	0.34	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-10.0-20170728	7/28/2017	8270C	129-00-0	Pyrene		U	0.14	0.34	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-10.0-20170728	7/28/2017	8270C	95-48-7	2-Methylphenol		U	0.081	0.34	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-10.0-20170728	7/28/2017	8270C	84-66-2	Diethylphthalate		U	0.097	0.34	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-10.0-20170728	7/28/2017	8270C	91-20-3	Naphthalene		U	0.068	0.34	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-10.0-20170728	7/28/2017	8270C	92-87-5	Benzidine		U	0.67	1.4	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-10.0-20170728	7/28/2017	8270C	132-64-9	Dibenzofuran		U	0.068	0.34	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-10.0-20170728	7/28/2017	8270C	206-44-0	Fluoranthene		U	0.071	0.34	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-10.0-20170728	7/28/2017	8270C	62-53-3	Aniline		U	0.086	0.43	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-10.0-20170728	7/28/2017	8270C	121-14-2	2,4-Dinitrotoluene		U	0.081	0.34	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-10.0-20170728	7/28/2017	8270C	207-08-9	Benzo(k)fluoranthene		U	0.071	0.34	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-10.0-20170728	7/28/2017	8270C	120-83-2	2,4-Dichlorophenol		U	0.068	0.34	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-10.0-20170728	7/28/2017	8270C	106-44-5	4-Methylphenol		U	0.14	0.34	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-10.0-20170728	7/28/2017	8270C	105-67-9	2,4-Dimethylphenol		U	0.13	0.34	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-10.0-20170728	7/28/2017	8270C	606-20-2	2,6-Dinitrotoluene		U	0.097	0.34	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-10.0-20170728	7/28/2017	8270C	193-39-5	Indeno(1,2,3-cd)pyrene		U	0.13	0.34	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-10.0-20170728	7/28/2017	8270C	205-99-2	Benzo(b)fluoranthene		U	0.071	0.34	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-10.0-20170728	7/28/2017	8270C	131-11-3	Dimethylphthalate		U	0.068	0.34	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-10.0-20170728	7/28/2017	8270C	29082-74-4	Octachlorostyrene		U	2.3	3.4	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-10.0-20170728	7/28/2017	8270C	100-02-7	4-Nitrophenol		U	0.14	0.84	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-10.0-20170728	7/28/2017	8270C	117-84-0	Di-n-octylphthalate		U	0.091	0.34	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-10.0-20170728	7/28/2017	8270C	111-44-4	bis(2-Chloroethyl) ether		U	0.071	0.34	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-10.0-20170728	7/28/2017	8270C	218-01-9	Chrysene		U	0.076	0.34	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-10.0-20170728	7/28/2017	8270C	91-94-1	3,3'-Dichlorobenzidine		U	0.15	0.84	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-10.0-20170728	7/28/2017	8270C	98-95-3	Nitrobenzene		U	0.071	0.34	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-10.0-20170728	7/28/2017	8270C	86-73-7	Fluorene		U	0.071	0.34	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-10.0-20170728	7/28/2017	8270C	208-96-8	Acenaphthylene		U	0.071	0.34	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-10.0-20170728	7/28/2017	8270C	88-75-5	2-Nitrophenol		U	0.14	0.34	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-10.0-20170728	7/28/2017	8270C	85-01-8	Phenanthrene		U	0.068	0.34	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-10.0-20170728	7/28/2017	8270C	111-91-1	bis(2-Chloroethoxy)methane		U	0.14	0.34	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-10.0-20170728	7/28/2017	8270C	88-06-2	2,4,6-Trichlorophenol		U	0.076	0.34	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-10.0-20170728	7/28/2017	8270C	51-28-5	2,4-Dinitrophenol		U	0.34	0.67	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-10.0-20170728	7/28/2017	8270C	65-85-0	Benzoic Acid		U	0.35	0.84	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-10.0-20170728	7/28/2017	8270C	56-55-3	Benzo(a)anthracene		U	0.071	0.34	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator <sup>1</sup>	Qualification Finding	Acceptance Criteria
4401892231	RI-15-10.0-20170728	7/28/2017	8270C	110-86-1	Pyridine		U	0.15	0.35	mg/kg	UJ	c,st	CCV %D; Cooler temperature	29; 20.3	20; 4±2 %; °C
4401892231	RI-15-10.0-20170728	7/28/2017	8270C	100-01-6	4-Nitroaniline		U	0.14	0.84	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-10.0-20170728	7/28/2017	8270C	53-70-3	Dibenz(a,h)anthracene		U	0.10	0.43	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-10.0-20170728	7/28/2017	8270C	77-47-4	Hexachlorocyclopentadiene		U	0.14	0.84	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-10.0-20170728	7/28/2017	8270C	84-74-2	Di-n-butylphthalate		U	0.091	0.34	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-10.0-20170728	7/28/2017	8270C	117-81-7	bis(2-Ethylhexyl)phthalate		U	0.091	0.34	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-10.0-20170728	7/28/2017	8270C	59-50-7	4-Chloro-3-methylphenol		U	0.071	0.34	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-10.0-20170728	7/28/2017	8270C	91-57-6	2-Methylnaphthalene		U	0.071	0.34	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8270C	91-58-7	2-Chloronaphthalene		U	0.073	0.36	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8270C	99-09-2	3-Nitroaniline		U	0.14	0.36	mg/kg	UJ	c,st	CCV %D; Cooler temperature	20.5; 20.3	20; 4±2 %; °C
4401892231	RI-15-20.0-20170728	7/28/2017	8270C	95-48-7	2-Methylphenol		U	0.087	0.36	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8270C	7005-72-3	4-Chlorophenyl-phenyl ether		U	0.092	0.36	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8270C	50-32-8	Benzo(a)pyrene		U	0.073	0.36	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8270C	191-24-2	Benzo(g,h,i)perylene		U	0.12	0.36	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8270C	120-12-7	Anthracene		U	0.087	0.36	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8270C	98-95-3	Nitrobenzene		U	0.076	0.36	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8270C	92-87-5	Benzidine		U	0.72	1.5	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8270C	86-30-6	N-Nitrosodiphenylamine		U	0.087	0.36	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8270C	100-51-6	Benzyl Alcohol		U	0.16	0.36	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8270C	67-72-1	Hexachloroethane		U	0.14	0.36	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8270C	78-59-1	Isophorone		U	0.073	0.36	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8270C	95-57-8	2-Chlorophenol		U	0.076	0.36	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8270C	132-64-9	Dibenzofuran		U	0.073	0.36	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8270C	206-44-0	Fluoranthene		U	0.076	0.36	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8270C	218-01-9	Chrysene		U	0.081	0.36	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8270C	118-74-1	Hexachlorobenzene		U	0.076	0.36	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8270C	129-00-0	Pyrene		U	0.15	0.36	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8270C	83-32-9	Acenaphthene		U	0.073	0.36	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8270C	106-47-8	4-Chloroaniline		U	0.14	0.36	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8270C	88-74-4	2-Nitroaniline		U	0.073	0.36	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8270C	621-64-7	N-Nitroso-di-n-propylamine		U	0.076	0.27	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8270C	121-14-2	2,4-Dinitrotoluene		U	0.087	0.36	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8270C	62-53-3	Aniline		U	0.092	0.46	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8270C	87-86-5	Pentachlorophenol		U	0.37	0.90	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8270C	84-66-2	Diethylphthalate		U	0.10	0.36	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8270C	90-12-0	1-Methylnaphthalene		U	0.16	0.38	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8270C	91-20-3	Naphthalene		U	0.073	0.36	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8270C	85-68-7	Butylbenzylphthalate		U	0.087	0.36	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8270C	85-01-8	Phenanthrene		U	0.073	0.36	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8270C	606-20-2	2,6-Dinitrotoluene		U	0.10	0.36	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8270C	193-39-5	Indeno(1,2,3-cd)pyrene		U	0.14	0.36	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8270C	205-99-2	Benzo(b)fluoranthene		U	0.076	0.36	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8270C	208-96-8	Acenaphthylene		U	0.076	0.36	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8270C	29082-74-4	Octachlorostyrene		U	2.5	3.6	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8270C	77-47-4	Hexachlorocyclopentadiene		U	0.14	0.90	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8270C	105-67-9	2,4-Dimethylphenol		U	0.14	0.36	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8270C	91-57-6	2-Methylnaphthalene		U	0.076	0.36	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8270C	117-84-0	Di-n-octylphthalate		U	0.098	0.36	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8270C	91-94-1	3,3'-Dichlorobenzidine		U	0.16	0.90	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8270C	86-73-7	Fluorene		U	0.076	0.36	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8270C	207-08-9	Benzo(k)fluoranthene		U	0.076	0.36	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8270C	111-44-4	bis(2-Chloroethyl) ether		U	0.076	0.36	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8270C	100-02-7	4-Nitrophenol		U	0.15	0.90	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8270C	108-95-2	Phenol		U	0.098	0.36	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8270C	84-74-2	Di-n-butylphthalate		U	0.098	0.36	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator <sup>1</sup>	Qualification Finding	Acceptance Criteria
4401892231	RI-15-20.0-20170728	7/28/2017	8270C	95-95-4	2,4,5-Trichlorophenol		U	0.14	0.36	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8270C	106-44-5	4-Methylphenol		U	0.14	0.36	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8270C	53-70-3	Dibenz(a,h)anthracene		U	0.11	0.46	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8270C	111-91-1	bis(2-Chloroethoxy)methane		U	0.14	0.36	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8270C	101-55-3	4-Bromophenyl-phenyl ether		U	0.081	0.36	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8270C	59-50-7	4-Chloro-3-methylphenol		U	0.076	0.36	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8270C	88-06-2	2,4,6-Trichlorophenol		U	0.081	0.36	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8270C	51-28-5	2,4-Dinitrophenol		U	0.36	0.72	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8270C	56-55-3	Benzo(a)anthracene		U	0.076	0.36	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8270C	65-85-0	Benzoic Acid		U	0.37	0.90	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8270C	110-86-1	Pyridine		U	0.16	0.37	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8270C	117-81-7	bis(2-Ethylhexyl)phthalate		U	0.098	0.36	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8270C	100-01-6	4-Nitroaniline		U	0.14	0.90	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8270C	131-11-3	Dimethylphthalate		U	0.073	0.36	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8270C	120-83-2	2,4-Dichlorophenol		U	0.073	0.36	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8270C	88-75-5	2-Nitrophenol		U	0.14	0.36	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8270C	86-30-6	N-Nitrosodiphenylamine		U	0.084	0.35	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8270C	100-51-6	Benzyl Alcohol		U	0.16	0.35	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8270C	98-95-3	Nitrobenzene		U	0.073	0.35	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8270C	95-57-8	2-Chlorophenol		U	0.073	0.35	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8270C	92-87-5	Benzidine		U	0.69	1.4	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8270C	91-58-7	2-Chloronaphthalene		U	0.070	0.35	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8270C	78-59-1	Isophorone		U	0.070	0.35	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8270C	7005-72-3	4-Chlorophenyl-phenyl ether		U	0.089	0.35	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8270C	50-32-8	Benzo(a)pyrene		U	0.070	0.35	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8270C	191-24-2	Benzo(g,h,i)perylene		U	0.12	0.35	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8270C	120-12-7	Anthracene		U	0.084	0.35	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8270C	621-64-7	N-Nitroso-di-n-propylamine		U	0.073	0.26	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8270C	101-55-3	4-Bromophenyl-phenyl ether		U	0.079	0.35	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8270C	91-20-3	Naphthalene		U	0.070	0.35	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8270C	95-95-4	2,4,5-Trichlorophenol		U	0.14	0.35	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8270C	87-86-5	Pentachlorophenol		U	0.36	0.87	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8270C	91-57-6	2-Methylnaphthalene		U	0.073	0.35	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8270C	108-95-2	Phenol		U	0.094	0.35	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8270C	88-74-4	2-Nitroaniline		U	0.070	0.35	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8270C	85-68-7	Butylbenzylphthalate		U	0.084	0.35	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8270C	67-72-1	Hexachloroethane		U	0.14	0.35	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8270C	118-74-1	Hexachlorobenzene		U	0.073	0.35	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8270C	84-66-2	Diethylphthalate		U	0.10	0.35	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8270C	129-00-0	Pyrene		U	0.14	0.35	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8270C	95-48-7	2-Methylphenol		U	0.084	0.35	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8270C	83-32-9	Acenaphthene		U	0.070	0.35	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8270C	90-12-0	1-Methylnaphthalene		U	0.16	0.37	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8270C	132-64-9	Dibenzofuran		U	0.070	0.35	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8270C	106-47-8	4-Chloroaniline		U	0.14	0.35	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8270C	62-53-3	Aniline		U	0.089	0.44	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8270C	99-09-2	3-Nitroaniline		U	0.14	0.35	mg/kg	UJ	c,st	CCV %D; Cooler temperature	20.5; 20.3	20; 4±2 %; °C
4401892231	RI-15-5.0-20170728	7/28/2017	8270C	121-14-2	2,4-Dinitrotoluene		U	0.084	0.35	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8270C	29082-74-4	Octachlorostyrene		U	2.4	3.5	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8270C	120-83-2	2,4-Dichlorophenol		U	0.070	0.35	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8270C	77-47-4	Hexachlorocyclopentadiene		U	0.14	0.87	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8270C	105-67-9	2,4-Dimethylphenol		U	0.14	0.35	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8270C	606-20-2	2,6-Dinitrotoluene		U	0.10	0.35	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8270C	205-99-2	Benzo(b)fluoranthene		U	0.073	0.35	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8270C	206-44-0	Fluoranthene		U	0.073	0.35	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator <sup>1</sup>	Qualification Finding	Acceptance Criteria
4401892231	RI-15-5.0-20170728	7/28/2017	8270C	208-96-8	Acenaphthylene		U	0.073	0.35	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8270C	131-11-3	Dimethylphthalate		U	0.070	0.35	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8270C	207-08-9	Benzo(k)fluoranthene		U	0.073	0.35	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8270C	111-44-4	bis(2-Chloroethyl) ether		U	0.073	0.35	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8270C	117-84-0	Di-n-octylphthalate		U	0.094	0.35	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8270C	100-02-7	4-Nitrophenol		U	0.15	0.87	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8270C	91-94-1	3,3'-Dichlorobenzidine		U	0.16	0.87	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8270C	86-73-7	Fluorene		U	0.073	0.35	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8270C	193-39-5	Indeno(1,2,3-cd)pyrene		U	0.14	0.35	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8270C	51-28-5	2,4-Dinitrophenol		U	0.35	0.69	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8270C	218-01-9	Chrysene		U	0.079	0.35	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8270C	53-70-3	Dibenz(a,h)anthracene		U	0.10	0.44	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8270C	59-50-7	4-Chloro-3-methylphenol		U	0.073	0.35	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8270C	111-91-1	bis(2-Chloroethoxy)methane		U	0.14	0.35	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8270C	106-44-5	4-Methylphenol		U	0.14	0.35	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8270C	88-06-2	2,4,6-Trichlorophenol		U	0.079	0.35	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8270C	85-01-8	Phenanthrene		U	0.070	0.35	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8270C	65-85-0	Benzoic Acid		U	0.36	0.87	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8270C	56-55-3	Benzo(a)anthracene		U	0.073	0.35	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8270C	110-86-1	Pyridine		U	0.16	0.36	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8270C	117-81-7	bis(2-Ethylhexyl)phthalate		U	0.094	0.35	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8270C	100-01-6	4-Nitroaniline		U	0.14	0.87	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8270C	84-74-2	Di-n-butylphthalate		U	0.094	0.35	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8270C	88-75-5	2-Nitrophenol		U	0.14	0.35	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892601	RI-15-30.0-20170730	7/30/2017	8270C	110-86-1	Pyridine		U	0.16	0.36	mg/kg	UJ	c	CCV %D	29	20 %
4401892601	RI-15-30.0-20170730	7/30/2017	8270C	92-87-5	Benzidine		UF1	0.69	1.4	mg/kg	R	m	MS/MSD %R	0.0	20-120 %
4401892601	RI-15-30.0-20170730	7/30/2017	8270C	117-84-0	Di-n-octylphthalate		UF1	0.094	0.35	mg/kg	UJ	m	MS/MSD %R	-.49	50-135 %
4401892601	RI-15-30.0-20170730	7/30/2017	8270C	106-44-5	3,4-Methylphenol		UF1	0.14	0.35	mg/kg	UJ	m	MS/MSD %R	-.49	50-120 %
4401892231	RI-15-10.0-20170728	7/28/2017	8270CSIM	191-24-2	Benzo(g,h,i)perylene		U	0.0041	0.031	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-10.0-20170728	7/28/2017	8270CSIM	86-73-7	Fluorene		U	0.0041	0.031	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-10.0-20170728	7/28/2017	8270CSIM	83-32-9	Acenaphthene		U	0.0041	0.031	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-10.0-20170728	7/28/2017	8270CSIM	129-00-0	Pyrene		U	0.0041	0.031	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-10.0-20170728	7/28/2017	8270CSIM	50-32-8	Benzo(a)pyrene		U	0.0041	0.031	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-10.0-20170728	7/28/2017	8270CSIM	120-12-7	Anthracene		U	0.0041	0.031	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-10.0-20170728	7/28/2017	8270CSIM	206-44-0	Fluoranthene		U	0.0041	0.031	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-10.0-20170728	7/28/2017	8270CSIM	218-01-9	Chrysene		U	0.0041	0.031	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-10.0-20170728	7/28/2017	8270CSIM	208-96-8	Acenaphthylene		U	0.0041	0.031	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-10.0-20170728	7/28/2017	8270CSIM	56-55-3	Benzo(a)anthracene		U	0.0041	0.031	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-10.0-20170728	7/28/2017	8270CSIM	85-01-8	Phenanthrene		U	0.0041	0.031	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-10.0-20170728	7/28/2017	8270CSIM	207-08-9	Benzo(k)fluoranthene		U	0.0041	0.031	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-10.0-20170728	7/28/2017	8270CSIM	193-39-5	Indeno(1,2,3-cd)pyrene		U	0.0041	0.031	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-10.0-20170728	7/28/2017	8270CSIM	205-99-2	Benzo(b)fluoranthene		U	0.0041	0.031	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-10.0-20170728	7/28/2017	8270CSIM	53-70-3	Dibenz(a,h)anthracene		U	0.0041	0.031	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-10.0-20170728	7/28/2017	8270CSIM	91-20-3	Naphthalene		U	0.0041	0.031	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8270CSIM	120-12-7	Anthracene		U	0.0044	0.033	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8270CSIM	191-24-2	Benzo(g,h,i)perylene		U	0.0044	0.033	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8270CSIM	50-32-8	Benzo(a)pyrene		U	0.0044	0.033	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8270CSIM	91-20-3	Naphthalene		U	0.0044	0.033	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8270CSIM	129-00-0	Pyrene		U	0.0044	0.033	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8270CSIM	218-01-9	Chrysene		U	0.0044	0.033	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8270CSIM	53-70-3	Dibenz(a,h)anthracene		U	0.0044	0.033	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8270CSIM	83-32-9	Acenaphthene		U	0.0044	0.033	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8270CSIM	207-08-9	Benzo(k)fluoranthene		U	0.0044	0.033	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8270CSIM	56-55-3	Benzo(a)anthracene		U	0.0044	0.033	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8270CSIM	193-39-5	Indeno(1,2,3-cd)pyrene		U	0.0044	0.033	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C



Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator <sup>1</sup>	Qualification Finding	Acceptance Criteria
4401892231	RI-15-20.0-20170728	7/28/2017	8270CSIM	205-99-2	Benzo(b)fluoranthene		U	0.0044	0.033	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8270CSIM	208-96-8	Acenaphthylene		U	0.0044	0.033	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8270CSIM	85-01-8	Phenanthrene		U	0.0044	0.033	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8270CSIM	86-73-7	Fluorene		U	0.0044	0.033	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8270CSIM	206-44-0	Fluoranthene		U	0.0044	0.033	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8270CSIM	206-44-0	Fluoranthene		U	0.0043	0.032	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8270CSIM	120-12-7	Anthracene		U	0.0043	0.032	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8270CSIM	191-24-2	Benzo(g,h,i)perylene		U	0.0043	0.032	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8270CSIM	50-32-8	Benzo(a)pyrene		U	0.0043	0.032	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8270CSIM	218-01-9	Chrysene		U	0.0043	0.032	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8270CSIM	129-00-0	Pyrene		U	0.0043	0.032	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8270CSIM	193-39-5	Indeno(1,2,3-cd)pyrene		U	0.0043	0.032	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8270CSIM	91-20-3	Naphthalene		U	0.0043	0.032	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8270CSIM	53-70-3	Dibenz(a,h)anthracene		U	0.0043	0.032	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8270CSIM	56-55-3	Benzo(a)anthracene		U	0.0043	0.032	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8270CSIM	205-99-2	Benzo(b)fluoranthene		U	0.0043	0.032	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8270CSIM	83-32-9	Acenaphthene		U	0.0043	0.032	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8270CSIM	208-96-8	Acenaphthylene		U	0.0043	0.032	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8270CSIM	207-08-9	Benzo(k)fluoranthene		U	0.0043	0.032	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8270CSIM	86-73-7	Fluorene		U	0.0043	0.032	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8270CSIM	85-01-8	Phenanthrene		U	0.0043	0.032	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401888811	RI-6-20.0-20170724	7/24/2017	8081A	50-29-3	4,4'-DDT		UH	0.0019	0.0064	mg/kg	UJ	h	Holding time	16	14 days
4401888811	RI-6-20.0-20170724	7/24/2017	8081A	1031-07-8	Endosulfan sulfate		UH	0.0026	0.013	mg/kg	UJ	h	Holding time	16	14 days
4401888811	RI-6-20.0-20170724	7/24/2017	8081A	72-20-8	Endrin		UH	0.0019	0.0064	mg/kg	UJ	h	Holding time	16	14 days
4401888811	RI-6-20.0-20170724	7/24/2017	8081A	58-89-9	gamma-BHC		UH	0.0019	0.0064	mg/kg	UJ	h	Holding time	16	14 days
4401888811	RI-6-20.0-20170724	7/24/2017	8081A	5103-74-2	gamma-Chlordane		UH	0.0019	0.0064	mg/kg	UJ	h	Holding time	16	14 days
4401888811	RI-6-20.0-20170724	7/24/2017	8081A	1024-57-3	Heptachlor epoxide		UH	0.0026	0.0064	mg/kg	UJ	h	Holding time	16	14 days
4401888811	RI-6-20.0-20170724	7/24/2017	8081A	7421-93-4	Endrin aldehyde		UH	0.0019	0.0064	mg/kg	UJ	h	Holding time	16	14 days
4401888811	RI-6-20.0-20170724	7/24/2017	8081A	72-55-9	4,4'-DDE		UH	0.0019	0.0064	mg/kg	UJ	h	Holding time	16	14 days
4401888811	RI-6-20.0-20170724	7/24/2017	8081A	53494-70-5	Endrin ketone		UH	0.0026	0.0064	mg/kg	UJ	h	Holding time	16	14 days
4401888811	RI-6-20.0-20170724	7/24/2017	8081A	319-86-8	delta-BHC		UH	0.0019	0.013	mg/kg	UJ	h	Holding time	16	14 days
4401888811	RI-6-20.0-20170724	7/24/2017	8081A	8001-35-2	Toxaphene		UH	0.0064	0.26	mg/kg	UJ	h	Holding time	16	14 days
4401888811	RI-6-20.0-20170724	7/24/2017	8081A	5103-71-9	alpha-Chlordane		UH	0.0026	0.0064	mg/kg	UJ	h	Holding time	16	14 days
4401888811	RI-6-20.0-20170724	7/24/2017	8081A	319-85-7	beta-BHC		UH	0.0019	0.0064	mg/kg	UJ	h	Holding time	16	14 days
4401888811	RI-6-20.0-20170724	7/24/2017	8081A	3424-82-6	2,4'-DDE		UH	0.0019	0.0064	mg/kg	UJ	h	Holding time	16	14 days
4401888811	RI-6-20.0-20170724	7/24/2017	8081A	60-57-1	Dieldrin		UH	0.0019	0.0064	mg/kg	UJ	h	Holding time	16	14 days
4401888811	RI-6-20.0-20170724	7/24/2017	8081A	309-00-2	Aldrin		UH	0.0019	0.0064	mg/kg	UJ	h	Holding time	16	14 days
4401888811	RI-6-20.0-20170724	7/24/2017	8081A	959-98-8	Endosulfan I		UH	0.0019	0.0064	mg/kg	UJ	h	Holding time	16	14 days
4401888811	RI-6-20.0-20170724	7/24/2017	8081A	76-44-8	Heptachlor		UH	0.0026	0.0064	mg/kg	UJ	h	Holding time	16	14 days
4401888811	RI-6-20.0-20170724	7/24/2017	8081A	72-54-8	4,4'-DDD		UH	0.0019	0.0064	mg/kg	UJ	h	Holding time	16	14 days
4401888811	RI-6-20.0-20170724	7/24/2017	8081A	72-43-5	Methoxychlor		UH	0.0019	0.0064	mg/kg	UJ	h	Holding time	16	14 days
4401888811	RI-6-20.0-20170724	7/24/2017	8081A	319-84-6	alpha-BHC		UH	0.0019	0.0064	mg/kg	UJ	h	Holding time	16	14 days
4401888811	RI-6-20.0-20170724	7/24/2017	8081A	33213-65-9	Endosulfan II		UH	0.0019	0.0064	mg/kg	UJ	h	Holding time	16	14 days
4401888811	RI-6-30.0-20170724	7/24/2017	8081A	8001-35-2	Toxaphene		UH	0.17	0.67	mg/kg	UJ	h	Holding time	16	14 days
4401888811	RI-6-30.0-20170724	7/24/2017	8081A	7421-93-4	Endrin aldehyde		UH	0.0050	0.017	mg/kg	UJ	h	Holding time	16	14 days
4401888811	RI-6-30.0-20170724	7/24/2017	8081A	5103-74-2	gamma-Chlordane		UH	0.0050	0.017	mg/kg	UJ	h	Holding time	16	14 days
4401888811	RI-6-30.0-20170724	7/24/2017	8081A	58-89-9	gamma-BHC		UH	0.0050	0.017	mg/kg	UJ	h	Holding time	16	14 days
4401888811	RI-6-30.0-20170724	7/24/2017	8081A	72-20-8	Endrin		UH	0.0050	0.017	mg/kg	UJ	h	Holding time	16	14 days
4401888811	RI-6-30.0-20170724	7/24/2017	8081A	319-85-7	beta-BHC		UH	0.0050	0.017	mg/kg	UJ	h	Holding time	16	14 days
4401888811	RI-6-30.0-20170724	7/24/2017	8081A	50-29-3	4,4'-DDT		UH	0.0050	0.017	mg/kg	UJ	h	Holding time	16	14 days
4401888811	RI-6-30.0-20170724	7/24/2017	8081A	319-86-8	delta-BHC		UH	0.0050	0.034	mg/kg	UJ	h	Holding time	16	14 days
4401888811	RI-6-30.0-20170724	7/24/2017	8081A	53494-70-5	Endrin ketone		UH	0.0067	0.017	mg/kg	UJ	h	Holding time	16	14 days
4401888811	RI-6-30.0-20170724	7/24/2017	8081A	72-55-9	4,4'-DDE		UH	0.0050	0.017	mg/kg	UJ	h	Holding time	16	14 days
4401888811	RI-6-30.0-20170724	7/24/2017	8081A	309-00-2	Aldrin		UH	0.0050	0.017	mg/kg	UJ	h	Holding time	16	14 days
4401888811	RI-6-30.0-20170724	7/24/2017	8081A	72-43-5	Methoxychlor		UH	0.0050	0.017	mg/kg	UJ	h	Holding time	16	14 days

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator <sup>1</sup>	Qualification Finding	Acceptance Criteria
4401888811	RI-6-30.0-20170724	7/24/2017	8081A	319-84-6	alpha-BHC		UH	0.0050	0.017	mg/kg	UJ	h	Holding time	16	14 days
4401888811	RI-6-30.0-20170724	7/24/2017	8081A	959-98-8	Endosulfan I		UH	0.0050	0.017	mg/kg	UJ	h	Holding time	16	14 days
4401888811	RI-6-30.0-20170724	7/24/2017	8081A	72-54-8	4,4'-DDD		UH	0.0050	0.017	mg/kg	UJ	h	Holding time	16	14 days
4401888811	RI-6-30.0-20170724	7/24/2017	8081A	76-44-8	Heptachlor		UH	0.0067	0.017	mg/kg	UJ	h	Holding time	16	14 days
4401888811	RI-6-30.0-20170724	7/24/2017	8081A	1031-07-8	Endosulfan sulfate		UH	0.0067	0.034	mg/kg	UJ	h	Holding time	16	14 days
4401888811	RI-6-30.0-20170724	7/24/2017	8081A	33213-65-9	Endosulfan II		UH	0.0050	0.017	mg/kg	UJ	h	Holding time	16	14 days
4401888811	RI-6-30.0-20170724	7/24/2017	8081A	60-57-1	Dieldrin		UH	0.0050	0.017	mg/kg	UJ	h	Holding time	16	14 days
4401888811	RI-6-30.0-20170724	7/24/2017	8081A	3424-82-6	2,4'-DDE		UH	0.0050	0.017	mg/kg	UJ	h	Holding time	16	14 days
4401888811	RI-6-30.0-20170724	7/24/2017	8081A	5103-71-9	alpha-Chlordane		UH	0.0067	0.017	mg/kg	UJ	h	Holding time	16	14 days
4401888811	RI-6-30.0-20170724	7/24/2017	8081A	1024-57-3	Heptachlor epoxide		UH	0.0067	0.017	mg/kg	UJ	h	Holding time	16	14 days
4401890601	RI-14-10.0-20170726	7/26/2017	8081A	319-85-7	beta-BHC	0.0030	J	0.0016	0.0052	mg/kg	J	sp	< PQL		
4401890601	RI-14-20.0-20170726	7/26/2017	8081A	72-55-9	4,4'-DDE		U	0.0017	0.0055	mg/kg	UJ	s	Surrogate %R (DCB)	44	45-120 %
4401890601	RI-14-20.0-20170726	7/26/2017	8081A	76-44-8	Heptachlor		U	0.0022	0.0055	mg/kg	UJ	s	Surrogate %R (DCB)	44	45-120 %
4401890601	RI-14-20.0-20170726	7/26/2017	8081A	72-54-8	4,4'-DDD		U	0.0017	0.0055	mg/kg	UJ	s	Surrogate %R (DCB)	44	45-120 %
4401890601	RI-14-20.0-20170726	7/26/2017	8081A	959-98-8	Endosulfan I		U	0.0017	0.0055	mg/kg	UJ	s	Surrogate %R (DCB)	44	45-120 %
4401890601	RI-14-20.0-20170726	7/26/2017	8081A	1031-07-8	Endosulfan sulfate		U	0.0022	0.011	mg/kg	UJ	s	Surrogate %R (DCB)	44	45-120 %
4401890601	RI-14-20.0-20170726	7/26/2017	8081A	3424-82-6	2,4'-DDE		U	0.0017	0.0055	mg/kg	UJ	s	Surrogate %R (DCB)	44	45-120 %
4401890601	RI-14-20.0-20170726	7/26/2017	8081A	33213-65-9	Endosulfan II		U	0.0017	0.0055	mg/kg	UJ	s	Surrogate %R (DCB)	44	45-120 %
4401890601	RI-14-20.0-20170726	7/26/2017	8081A	5103-71-9	alpha-Chlordane		U	0.0022	0.0055	mg/kg	UJ	s	Surrogate %R (DCB)	44	45-120 %
4401890601	RI-14-20.0-20170726	7/26/2017	8081A	309-00-2	Aldrin		U	0.0017	0.0055	mg/kg	UJ	s	Surrogate %R (DCB)	44	45-120 %
4401890601	RI-14-20.0-20170726	7/26/2017	8081A	72-43-5	Methoxychlor		U	0.0017	0.0055	mg/kg	UJ	s	Surrogate %R (DCB)	44	45-120 %
4401890601	RI-14-20.0-20170726	7/26/2017	8081A	319-84-6	alpha-BHC		U	0.0017	0.0055	mg/kg	UJ	s	Surrogate %R (DCB)	44	45-120 %
4401890601	RI-14-20.0-20170726	7/26/2017	8081A	50-29-3	4,4'-DDT		U	0.0017	0.0055	mg/kg	UJ	s	Surrogate %R (DCB)	44	45-120 %
4401890601	RI-14-20.0-20170726	7/26/2017	8081A	319-86-8	delta-BHC		U	0.0017	0.011	mg/kg	UJ	s	Surrogate %R (DCB)	44	45-120 %
4401890601	RI-14-20.0-20170726	7/26/2017	8081A	53494-70-5	Endrin ketone		U	0.0022	0.0055	mg/kg	UJ	s	Surrogate %R (DCB)	44	45-120 %
4401890601	RI-14-20.0-20170726	7/26/2017	8081A	319-85-7	beta-BHC		U	0.0017	0.0055	mg/kg	UJ	s	Surrogate %R (DCB)	44	45-120 %
4401890601	RI-14-20.0-20170726	7/26/2017	8081A	5103-74-2	gamma-Chlordane		U	0.0017	0.0055	mg/kg	UJ	s	Surrogate %R (DCB)	44	45-120 %
4401890601	RI-14-20.0-20170726	7/26/2017	8081A	58-89-9	gamma-BHC		U	0.0017	0.0055	mg/kg	UJ	s	Surrogate %R (DCB)	44	45-120 %
4401890601	RI-14-20.0-20170726	7/26/2017	8081A	72-20-8	Endrin		U	0.0017	0.0055	mg/kg	UJ	s	Surrogate %R (DCB)	44	45-120 %
4401890601	RI-14-20.0-20170726	7/26/2017	8081A	1024-57-3	Heptachlor epoxide		U	0.0022	0.0055	mg/kg	UJ	s	Surrogate %R (DCB)	44	45-120 %
4401890601	RI-14-20.0-20170726	7/26/2017	8081A	60-57-1	Dieldrin		U	0.0017	0.0055	mg/kg	UJ	s	Surrogate %R (DCB)	44	45-120 %
4401890601	RI-14-20.0-20170726	7/26/2017	8081A	8001-35-2	Toxaphene		U	0.055	0.22	mg/kg	UJ	s	Surrogate %R (DCB)	44	45-120 %
4401890601	RI-14-20.0-20170726	7/26/2017	8081A	7421-93-4	Endrin aldehyde		U	0.0017	0.0055	mg/kg	UJ	s	Surrogate %R (DCB)	44	45-120 %
4401890601	RI-14-5.0-20170726	7/26/2017	8081A	319-85-7	beta-BHC	0.0019	J	0.0016	0.0052	mg/kg	J	sp	< PQL		
4401892231	RI-15-10.0-20170728	7/28/2017	8081A	58-89-9	gamma-BHC		U	0.0015	0.0051	mg/kg	UJ	s,st	Surrogate %R (DCB); Cooler temperature	42; 20.3	45-120; 4±2 %; °C
4401892231	RI-15-10.0-20170728	7/28/2017	8081A	53494-70-5	Endrin ketone		U	0.0021	0.0051	mg/kg	UJ	s,st	Surrogate %R (DCB); Cooler temperature	42; 20.3	45-120; 4±2 %; °C
4401892231	RI-15-10.0-20170728	7/28/2017	8081A	60-57-1	Dieldrin		U	0.0015	0.0051	mg/kg	UJ	s,st	Surrogate %R (DCB); Cooler temperature	42; 20.3	45-120; 4±2 %; °C
4401892231	RI-15-10.0-20170728	7/28/2017	8081A	5103-74-2	gamma-Chlordane		U	0.0015	0.0051	mg/kg	UJ	s,st	Surrogate %R (DCB); Cooler temperature	42; 20.3	45-120; 4±2 %; °C
4401892231	RI-15-10.0-20170728	7/28/2017	8081A	72-20-8	Endrin		U	0.0015	0.0051	mg/kg	UJ	s,st	Surrogate %R (DCB); Cooler temperature	42; 20.3	45-120; 4±2 %; °C
4401892231	RI-15-10.0-20170728	7/28/2017	8081A	1024-57-3	Heptachlor epoxide		U	0.0021	0.0051	mg/kg	UJ	s,st	Surrogate %R (DCB); Cooler temperature	42; 20.3	45-120; 4±2 %; °C
4401892231	RI-15-10.0-20170728	7/28/2017	8081A	50-29-3	4,4'-DDT		U	0.0015	0.0051	mg/kg	UJ	s,st	Surrogate %R (DCB); Cooler temperature	42; 20.3	45-120; 4±2 %; °C
4401892231	RI-15-10.0-20170728	7/28/2017	8081A	319-85-7	beta-BHC		U	0.0015	0.0051	mg/kg	UJ	s,st	Surrogate %R (DCB); Cooler temperature	42; 20.3	45-120; 4±2 %; °C
4401892231	RI-15-10.0-20170728	7/28/2017	8081A	319-86-8	delta-BHC		U	0.0015	0.010	mg/kg	UJ	s,st	Surrogate %R (DCB); Cooler temperature	42; 20.3	45-120; 4±2 %; °C
4401892231	RI-15-10.0-20170728	7/28/2017	8081A	7421-93-4	Endrin aldehyde		U	0.0015	0.0051	mg/kg	UJ	s,st	Surrogate %R (DCB); Cooler temperature	42; 20.3	45-120; 4±2 %; °C
4401892231	RI-15-10.0-20170728	7/28/2017	8081A	72-54-8	4,4'-DDD		U	0.0015	0.0051	mg/kg	UJ	s,st	Surrogate %R (DCB); Cooler temperature	42; 20.3	45-120; 4±2 %; °C
4401892231	RI-15-10.0-20170728	7/28/2017	8081A	959-98-8	Endosulfan I		U	0.0015	0.0051	mg/kg	UJ	s,st	Surrogate %R (DCB); Cooler temperature	42; 20.3	45-120; 4±2 %; °C
4401892231	RI-15-10.0-20170728	7/28/2017	8081A	76-44-8	Heptachlor		U	0.0021	0.0051	mg/kg	UJ	s,st	Surrogate %R (DCB); Cooler temperature	42; 20.3	45-120; 4±2 %; °C
4401892231	RI-15-10.0-20170728	7/28/2017	8081A	1031-07-8	Endosulfan sulfate		U	0.0021	0.010	mg/kg	UJ	s,st	Surrogate %R (DCB); Cooler temperature	42; 20.3	45-120; 4±2 %; °C
4401892231	RI-15-10.0-20170728	7/28/2017	8081A	309-00-2	Aldrin		U	0.0015	0.0051	mg/kg	UJ	s,st	Surrogate %R (DCB); Cooler temperature	42; 20.3	45-120; 4±2 %; °C
4401892231	RI-15-10.0-20170728	7/28/2017	8081A	5103-71-9	alpha-Chlordane		U	0.0021	0.0051	mg/kg	UJ	s,st	Surrogate %R (DCB); Cooler temperature	42; 20.3	45-120; 4±2 %; °C
4401892231	RI-15-10.0-20170728	7/28/2017	8081A	33213-65-9	Endosulfan II		U	0.0015	0.0051	mg/kg	UJ	s,st	Surrogate %R (DCB); Cooler temperature	42; 20.3	45-120; 4±2 %; °C
4401892231	RI-15-10.0-20170728	7/28/2017	8081A	72-43-5	Methoxychlor		U	0.0015	0.0051	mg/kg	UJ	s,st	Surrogate %R (DCB); Cooler temperature	42; 20.3	45-120; 4±2 %; °C
4401892231	RI-15-10.0-20170728	7/28/2017	8081A	319-84-6	alpha-BHC		U	0.0015	0.0051	mg/kg	UJ	s,st	Surrogate %R (DCB); Cooler temperature	42; 20.3	45-120; 4±2 %; °C
4401892231	RI-15-10.0-20170728	7/28/2017	8081A	72-55-9	4,4'-DDE		U	0.0015	0.0051	mg/kg	UJ	s,st	Surrogate %R (DCB); Cooler temperature	42; 20.3	45-120; 4±2 %; °C
4401892231	RI-15-10.0-20170728	7/28/2017	8081A	3424-82-6	2,4'-DDE		U	0.0015	0.0051	mg/kg	UJ	s,st	Surrogate %R (DCB); Cooler temperature	42; 20.3	45-120; 4±2 %; °C

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator <sup>1</sup>	Qualification Finding	Acceptance Criteria
4401892231	RI-15-10.0-20170728	7/28/2017	8081A	8001-35-2	Toxaphene		U	0.051	0.21	mg/kg	UJ	s,st	Surrogate %R (DCB); Cooler temperature	42; 20.3	45-120; 4±2 %; °C
4401892231	RI-15-20.0-20170728	7/28/2017	8081A	319-85-7	beta-BHC		U	0.0016	0.0054	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8081A	60-57-1	Dieldrin		U	0.0016	0.0054	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8081A	8001-35-2	Toxaphene		U	0.054	0.22	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8081A	5103-74-2	gamma-Chlordane		U	0.0016	0.0054	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8081A	72-20-8	Endrin		U	0.0016	0.0054	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8081A	58-89-9	gamma-BHC		U	0.0016	0.0054	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8081A	1024-57-3	Heptachlor epoxide		U	0.0022	0.0054	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8081A	7421-93-4	Endrin aldehyde		U	0.0016	0.0054	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8081A	319-86-8	delta-BHC		U	0.0016	0.011	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8081A	319-84-6	alpha-BHC		U	0.0016	0.0054	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8081A	50-29-3	4,4'-DDT		U	0.0016	0.0054	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8081A	309-00-2	Aldrin		U	0.0016	0.0054	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8081A	72-55-9	4,4'-DDE		U	0.0016	0.0054	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8081A	72-43-5	Methoxychlor		U	0.0016	0.0054	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8081A	76-44-8	Heptachlor		U	0.0022	0.0054	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8081A	72-54-8	4,4'-DDD		U	0.0016	0.0054	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8081A	959-98-8	Endosulfan I		U	0.0016	0.0054	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8081A	33213-65-9	Endosulfan II		U	0.0016	0.0054	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8081A	3424-82-6	2,4'-DDE		U	0.0016	0.0054	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8081A	5103-71-9	alpha-Chlordane		U	0.0022	0.0054	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8081A	53494-70-5	Endrin ketone		U	0.0022	0.0054	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-20.0-20170728	7/28/2017	8081A	1031-07-8	Endosulfan sulfate		U	0.0022	0.011	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8081A	72-43-5	Methoxychlor		U	0.0016	0.0053	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8081A	33213-65-9	Endosulfan II		U	0.0016	0.0053	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8081A	3424-82-6	2,4'-DDE		U	0.0016	0.0053	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8081A	5103-71-9	alpha-Chlordane		U	0.0021	0.0053	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8081A	309-00-2	Aldrin		U	0.0016	0.0053	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8081A	1031-07-8	Endosulfan sulfate		U	0.0021	0.011	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8081A	76-44-8	Heptachlor		U	0.0021	0.0053	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8081A	959-98-8	Endosulfan I		U	0.0016	0.0053	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8081A	319-84-6	alpha-BHC		U	0.0016	0.0053	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8081A	58-89-9	gamma-BHC		U	0.0016	0.0053	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8081A	72-54-8	4,4'-DDD		U	0.0016	0.0053	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8081A	7421-93-4	Endrin aldehyde		U	0.0016	0.0053	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8081A	53494-70-5	Endrin ketone		U	0.0021	0.0053	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8081A	319-86-8	delta-BHC		U	0.0016	0.011	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8081A	8001-35-2	Toxaphene		U	0.053	0.21	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8081A	60-57-1	Dieldrin		U	0.0016	0.0053	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8081A	72-20-8	Endrin		U	0.0016	0.0053	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8081A	1024-57-3	Heptachlor epoxide		U	0.0021	0.0053	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8081A	50-29-3	4,4'-DDT		U	0.0016	0.0053	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8081A	319-85-7	beta-BHC		U	0.0016	0.0053	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8081A	5103-74-2	gamma-Chlordane		U	0.0016	0.0053	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892231	RI-15-5.0-20170728	7/28/2017	8081A	72-55-9	4,4'-DDE		U	0.0016	0.0053	mg/kg	UJ	st	Cooler temperature	20.3	4±2 °C
4401892601	RI-15-30.0-20170730	7/30/2017	8081A	959-98-8	Endosulfan I		UH	0.0016	0.0053	mg/kg	UJ	h	Holding time	16	14 days
4401892601	RI-15-30.0-20170730	7/30/2017	8081A	72-54-8	4,4'-DDD		UH	0.0016	0.0053	mg/kg	UJ	h	Holding time	16	14 days
4401892601	RI-15-30.0-20170730	7/30/2017	8081A	76-44-8	Heptachlor		UH	0.0021	0.0053	mg/kg	UJ	h	Holding time	16	14 days
4401892601	RI-15-30.0-20170730	7/30/2017	8081A	7421-93-4	Endrin aldehyde		UH	0.0016	0.0053	mg/kg	UJ	h	Holding time	16	14 days
4401892601	RI-15-30.0-20170730	7/30/2017	8081A	319-85-7	beta-BHC		UH	0.0016	0.0053	mg/kg	UJ	h	Holding time	16	14 days
4401892601	RI-15-30.0-20170730	7/30/2017	8081A	50-29-3	4,4'-DDT		UH	0.0016	0.0053	mg/kg	UJ	h	Holding time	16	14 days
4401892601	RI-15-30.0-20170730	7/30/2017	8081A	5103-71-9	alpha-Chlordane		UHF1	0.0021	0.0053	mg/kg	UJ	h,m	Holding time; MS/MSD %R	16; 49,-	14; 50-115 days; %
4401892601	RI-15-30.0-20170730	7/30/2017	8081A	58-89-9	gamma-BHC		UH	0.0016	0.0053	mg/kg	UJ	h	Holding time	16	14 days
4401892601	RI-15-30.0-20170730	7/30/2017	8081A	72-55-9	4,4'-DDE		UH	0.0016	0.0053	mg/kg	UJ	h	Holding time	16	14 days
4401892601	RI-15-30.0-20170730	7/30/2017	8081A	72-20-8	Endrin		UH	0.0016	0.0053	mg/kg	UJ	h	Holding time	16	14 days

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator <sup>1</sup>	Qualification Finding	Acceptance Criteria
4401892601	RI-15-30.0-20170730	7/30/2017	8081A	5103-74-2	gamma-Chlordane		UH	0.0016	0.0053	mg/kg	UJ	h	Holding time	16	14 days
4401892601	RI-15-30.0-20170730	7/30/2017	8081A	3424-82-6	2,4'-DDE		UH	0.0016	0.0053	mg/kg	UJ	h	Holding time	16	14 days
4401892601	RI-15-30.0-20170730	7/30/2017	8081A	33213-65-9	Endosulfan II		UH	0.0016	0.0053	mg/kg	UJ	h	Holding time	16	14 days
4401892601	RI-15-30.0-20170730	7/30/2017	8081A	309-00-2	Aldrin		UH	0.0016	0.0053	mg/kg	UJ	h	Holding time	16	14 days
4401892601	RI-15-30.0-20170730	7/30/2017	8081A	1031-07-8	Endosulfan sulfate		UH	0.0021	0.011	mg/kg	UJ	h	Holding time	16	14 days
4401892601	RI-15-30.0-20170730	7/30/2017	8081A	319-84-6	alpha-BHC		UH	0.0016	0.0053	mg/kg	UJ	h	Holding time	16	14 days
4401892601	RI-15-30.0-20170730	7/30/2017	8081A	53494-70-5	Endrin ketone		UH	0.0021	0.0053	mg/kg	UJ	h	Holding time	16	14 days
4401892601	RI-15-30.0-20170730	7/30/2017	8081A	319-86-8	delta-BHC		UH	0.0016	0.011	mg/kg	UJ	h	Holding time	16	14 days
4401892601	RI-15-30.0-20170730	7/30/2017	8081A	8001-35-2	Toxaphene		UH	0.053	0.21	mg/kg	UJ	h	Holding time	16	14 days
4401892601	RI-15-30.0-20170730	7/30/2017	8081A	60-57-1	Dieldrin		UH	0.0016	0.0053	mg/kg	UJ	h	Holding time	16	14 days
4401892601	RI-15-30.0-20170730	7/30/2017	8081A	1024-57-3	Heptachlor epoxide		UH	0.0021	0.0053	mg/kg	UJ	h	Holding time	16	14 days
4401892601	RI-15-30.0-20170730	7/30/2017	8081A	72-43-5	Methoxychlor		UH	0.0016	0.0053	mg/kg	UJ	h	Holding time	16	14 days
4401957141	M-186D-20171103-FB	11/3/2017	8082	11096-82-5	Aroclor-1260		U	0.25	0.49	ug/l	UJ	s	Surrogate %R (DCB)	24	29-115 %
4401888812	RI-6-20.0-20170724	7/24/2017	8290	35822-46-9	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	0.50	JB	0.074	6.6	pg/g	J	bl,sp	MB contamination; < PQL	0.398	1.99 pg/g
4401888812	RI-6-20.0-20170724	7/24/2017	8290	30402-15-4	PeCDF (total)	0.15	Jq	0.083	6.6	pg/g	J	k,sp	EMPC; < PQL		
4401888812	RI-6-20.0-20170724	7/24/2017	8290	34465-46-8	HxCDD (total)	0.50	Jq	0.089	6.6	pg/g	J	k,sp	EMPC; < PQL		
4401888812	RI-6-20.0-20170724	7/24/2017	8290	37871-00-4	HpCDD (total)	0.77	JqB	0.074	6.6	pg/g	J	bl,k,sp	MB contamination; EMPC; < PQL	0.837	4.185 pg/g
4401888812	RI-6-20.0-20170724	7/24/2017	8290	67562-39-4	1,2,3,4,6,7,8-Heptachlorodibenzofuran	0.48	JB	0.065	6.6	pg/g	J	bl,sp	MB contamination; < PQL	0.214	1.07 pg/g
4401888812	RI-6-20.0-20170724	7/24/2017	8290	57653-85-7	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	0.25	Jq	0.091	6.6	pg/g	J	k,sp	EMPC; < PQL		
4401888812	RI-6-20.0-20170724	7/24/2017	8290	3268-87-9	Octachlorodibenzo-p-dioxin	3.8	JB	0.14	13	pg/g	J	bl,sp	MB contamination; < PQL	2.00	10 pg/g
4401888812	RI-6-20.0-20170724	7/24/2017	8290	39001-02-0	Octachlorodibenzofuran	1.5	JqB	0.22	13	pg/g	J	k,sp	EMPC; < PQL		
4401888812	RI-6-20.0-20170724	7/24/2017	8290	55673-89-7	1,2,3,4,7,8,9-Heptachlorodibenzofuran	0.37	JB	0.079	6.6	pg/g	J	bl,sp	MB contamination; < PQL	0.0928	0.464 pg/g
4401888812	RI-6-20.0-20170724	7/24/2017	8290	38998-75-3	HpCDF (total)	0.85	JB	0.072	6.6	pg/g	J	bl,sp	MB contamination; < PQL	0.393	1.965 pg/g
4401888812	RI-6-20.0-20170724	7/24/2017	8290	19408-74-3	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	0.25	Jq	0.081	6.6	pg/g	J	k,sp	EMPC; < PQL		
4401888812	RI-6-20.0-20170724	7/24/2017	8290	30402-14-3	Tetrachlorodibenzofuran	0.38	Jq	0.072	1.3	pg/g	J	k,sp	EMPC; < PQL		
4401888812	RI-6-30.0-20170724	7/24/2017	8290	38998-75-3	HpCDF (total)	0.62	JqB	0.096	8.2	pg/g	J	bl,k,sp	MB contamination; EMPC; < PQL	0.393	1.965 pg/g
4401888812	RI-6-30.0-20170724	7/24/2017	8290	67562-39-4	1,2,3,4,6,7,8-Heptachlorodibenzofuran	0.47	JB	0.086	8.2	pg/g	J	bl,sp	MB contamination; < PQL	0.214	1.07 pg/g
4401888812	RI-6-30.0-20170724	7/24/2017	8290	37871-00-4	HpCDD (total)	0.30	JqB	0.14	8.2	pg/g	J	bl,k,sp	MB contamination; EMPC; < PQL	0.837	4.185 pg/g
4401888812	RI-6-30.0-20170724	7/24/2017	8290	39001-02-0	Octachlorodibenzofuran	1.1	JqB	0.29	16	pg/g	J	bl,i,k,sp	MB contamination; IS %R; EMPC; < PQL	0.294; 37	1.47; 40-135 pg/g; %
4401888812	RI-6-30.0-20170724	7/24/2017	8290	3268-87-9	Octachlorodibenzo-p-dioxin	1.4	JqB	0.15	16	pg/g	J	bl,i,k,sp	MB contamination; IS %R; EMPC; < PQL	2.00; 37	10; 40-135 pg/g; %
4401890602	RI-14-10.0-20170726	7/26/2017	8290	55684-94-1	HxCDF (total)	68	q	0.75	5.3	pg/g	J	k	EMPC		
4401890602	RI-14-10.0-20170726	7/26/2017	8290	39227-28-6	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	0.19	Jq	0.11	5.3	pg/g	J	k,sp	EMPC; < PQL		
4401890602	RI-14-10.0-20170726	7/26/2017	8290	40321-76-4	1,2,3,7,8-Pentachlorodibenzo-p-dioxin	0.27	Jq	0.16	5.3	pg/g	J	k,sp	EMPC; < PQL		
4401890602	RI-14-10.0-20170726	7/26/2017	8290	57117-31-4	2,3,4,7,8-Pentachlorodibenzofuran	2.0	J	0.24	5.3	pg/g	J	sp	< PQL		
4401890602	RI-14-10.0-20170726	7/26/2017	8290	37871-00-4	HpCDD (total)	4.0	JB	0.13	5.3	pg/g	J	sp	< PQL		
4401890602	RI-14-10.0-20170726	7/26/2017	8290	34465-46-8	HxCDD (total)	3.5	Jq	0.099	5.3	pg/g	J	k,sp	EMPC; < PQL		
4401890602	RI-14-10.0-20170726	7/26/2017	8290	36088-22-9	PeCDD (total)	2.8	Jq	0.16	5.3	pg/g	J	k,sp	EMPC; < PQL		
4401890602	RI-14-10.0-20170726	7/26/2017	8290	30402-14-3	Tetrachlorodibenzofuran	25	q	0.17	1.1	pg/g	J	k	EMPC		
4401890602	RI-14-10.0-20170726	7/26/2017	8290	35822-46-9	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	2.4	JB	0.13	5.3	pg/g	J	sp	< PQL		
4401890602	RI-14-10.0-20170726	7/26/2017	8290	72918-21-9	1,2,3,7,8,9-Hexachlorodibenzofuran	0.80	J	0.78	5.3	pg/g	J	sp	< PQL		
4401890602	RI-14-10.0-20170726	7/26/2017	8290	30402-15-4	PeCDF (total)	33	q	0.24	5.3	pg/g	J	k	EMPC		
4401890602	RI-14-10.0-20170726	7/26/2017	8290	57117-41-6	1,2,3,7,8-Pentachlorodibenzofuran	4.0	J	0.24	5.3	pg/g	J	sp	< PQL		
4401890602	RI-14-10.0-20170726	7/26/2017	8290	3268-87-9	Octachlorodibenzo-p-dioxin	7.3	JB	0.11	11	pg/g	J	sp	< PQL		
4401890602	RI-14-10.0-20170726	7/26/2017	8290	60851-34-5	2,3,4,6,7,8-Hexachlorodibenzofuran	1.2	Jq	0.75	5.3	pg/g	J	k,sp	EMPC; < PQL		
4401890602	RI-14-10.0-20170726	7/26/2017	8290	19408-74-3	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	0.57	J	0.089	5.3	pg/g	J	sp	< PQL		
4401890602	RI-14-10.0-20170726	7/26/2017	8290	41903-57-5	TCDD (total)	1.4	q	0.10	1.1	pg/g	J	k	EMPC		
4401890602	RI-14-10.0-20170726	7/26/2017	8290	57653-85-7	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	0.61	J	0.10	5.3	pg/g	J	sp	< PQL		
4401890602	RI-14-20.0-20170726	7/26/2017	8290	39001-02-0	Octachlorodibenzofuran	2.1	JB	0.15	12	pg/g	J	sp	< PQL		
4401890602	RI-14-20.0-20170726	7/26/2017	8290	55673-89-7	1,2,3,4,7,8,9-Heptachlorodibenzofuran	0.30	J	0.068	5.8	pg/g	J	sp	< PQL		
4401890602	RI-14-20.0-20170726	7/26/2017	8290	38998-75-3	HpCDF (total)	1.4	JB	0.062	5.8	pg/g	J	sp	< PQL		
4401890602	RI-14-20.0-20170726	7/26/2017	8290	19408-74-3	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	0.12	Jq	0.057	5.8	pg/g	J	k,sp	EMPC; < PQL		
4401890602	RI-14-20.0-20170726	7/26/2017	8290	3268-87-9	Octachlorodibenzo-p-dioxin	0.71	JBq	0.11	12	pg/g	J	bl,k,sp	MB contamination; EMPC; < PQL	0.815	4.075 pg/g
4401890602	RI-14-20.0-20170726	7/26/2017	8290	57117-41-6	1,2,3,7,8-Pentachlorodibenzofuran	0.17	Jq	0.070	5.8	pg/g	J	k,sp	EMPC; < PQL		
4401890602	RI-14-20.0-20170726	7/26/2017	8290	57117-44-9	1,2,3,6,7,8-Hexachlorodibenzofuran	0.22	Jq	0.12	5.8	pg/g	J	k,sp	EMPC; < PQL		
4401890602	RI-14-20.0-20170726	7/26/2017	8290	55684-94-1	HxCDF (total)	0.41	Jq	0.13	5.8	pg/g	J	k,sp	EMPC; < PQL		

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator <sup>1</sup>	Qualification Finding	Acceptance Criteria
4401890602	RI-14-20.0-20170726	7/26/2017	8290	35822-46-9	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	0.16	JBq	0.064	5.8	pg/g	J	bl,k,sp	MB contamination; EMPC; < PQL	0.194	0.97 pg/g
4401890602	RI-14-20.0-20170726	7/26/2017	8290	37871-00-4	HpCDD (total)	0.29	JBq	0.064	5.8	pg/g	J	bl,k,sp	MB contamination; EMPC; < PQL	0.415	2.075 pg/g
4401890602	RI-14-20.0-20170726	7/26/2017	8290	30402-14-3	Tetrachlorodibenzofuran	0.80	Jq	0.055	1.2	pg/g	J	k,sp	EMPC; < PQL		
4401890602	RI-14-20.0-20170726	7/26/2017	8290	30402-15-4	PeCDF (total)	0.68	Jq	0.071	5.8	pg/g	J	k,sp	EMPC; < PQL		
4401890602	RI-14-20.0-20170726	7/26/2017	8290	67562-39-4	1,2,3,4,6,7,8-Heptachlorodibenzofuran	0.82	JB	0.056	5.8	pg/g	J	sp	< PQL		
4401890602	RI-14-20.0-20170726	7/26/2017	8290	34465-46-8	HxCDD (total)	0.12	Jq	0.063	5.8	pg/g	J	k,sp	EMPC; < PQL		
4401890602	RI-14-20.0-20170726	7/26/2017	8290	51207-31-9	2,3,7,8-Tetrachlorodibenzofuran	0.22	Jq	0.055	1.2	pg/g	J	k,sp	EMPC; < PQL		
4401890602	RI-14-30.0-20170726	7/26/2017	8290	39001-02-0	Octachlorodibenzofuran	0.24	JB	0.089	11	pg/g	J	bl,sp	MB contamination; < PQL	0.241	1.205 pg/g
4401890602	RI-14-30.0-20170726	7/26/2017	8290	67562-39-4	1,2,3,4,6,7,8-Heptachlorodibenzofuran	0.10	JBq	0.029	5.4	pg/g	J	bl,k,sp	MB contamination; EMPC; < PQL	0.194	0.97 pg/g
4401890602	RI-14-30.0-20170726	7/26/2017	8290	37871-00-4	HpCDD (total)	0.12	JB	0.052	5.4	pg/g	J	bl,sp	MB contamination; < PQL	0.415	2.075 pg/g
4401890602	RI-14-30.0-20170726	7/26/2017	8290	72918-21-9	1,2,3,7,8,9-Hexachlorodibenzofuran	0.13	J	0.089	5.4	pg/g	J	sp	< PQL		
4401890602	RI-14-30.0-20170726	7/26/2017	8290	3268-87-9	Octachlorodibenzo-p-dioxin	0.29	JBq	0.052	11	pg/g	J	bl,k,sp	MB contamination; EMPC; < PQL	0.815	4.075 pg/g
4401890602	RI-14-30.0-20170726	7/26/2017	8290	38998-75-3	HpCDF (total)	0.10	JBq	0.032	5.4	pg/g	J	bl,k,sp	MB contamination; EMPC; < PQL	0.0834	0.417 pg/g
4401890602	RI-14-30.0-20170726	7/26/2017	8290	55684-94-1	HxCDF (total)	0.13	J	0.086	5.4	pg/g	J	sp	< PQL		
4401890602	RI-14-5.0-20170726	7/26/2017	8290	72918-21-9	1,2,3,7,8,9-Hexachlorodibenzofuran	0.89	J	0.63	5.3	pg/g	J	sp	< PQL		
4401890602	RI-14-5.0-20170726	7/26/2017	8290	30402-15-4	PeCDF (total)	34	q	0.38	5.3	pg/g	J	k	EMPC		
4401890602	RI-14-5.0-20170726	7/26/2017	8290	19408-74-3	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	0.79	J	0.094	5.3	pg/g	J	sp	< PQL		
4401890602	RI-14-5.0-20170726	7/26/2017	8290	39227-28-6	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	0.27	J	0.11	5.3	pg/g	J	sp	< PQL		
4401890602	RI-14-5.0-20170726	7/26/2017	8290	60851-34-5	2,3,4,6,7,8-Hexachlorodibenzofuran	1.8	J	0.60	5.3	pg/g	J	sp	< PQL		
4401890602	RI-14-5.0-20170726	7/26/2017	8290	57117-41-6	1,2,3,7,8-Pentachlorodibenzofuran	4.9	J	0.37	5.3	pg/g	J	sp	< PQL		
4401890602	RI-14-5.0-20170726	7/26/2017	8290	41903-57-5	TCDD (total)	1.5	q	0.14	1.1	pg/g	J	k	EMPC		
4401890602	RI-14-5.0-20170726	7/26/2017	8290	35822-46-9	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	3.0	JB	0.12	5.3	pg/g	J	sp	< PQL		
4401890602	RI-14-5.0-20170726	7/26/2017	8290	30402-14-3	Tetrachlorodibenzofuran	26	q	0.22	1.1	pg/g	J	k	EMPC		
4401890602	RI-14-5.0-20170726	7/26/2017	8290	34465-46-8	HxCDD (total)	3.6	Jq	0.10	5.3	pg/g	J	k,sp	EMPC; < PQL		
4401890602	RI-14-5.0-20170726	7/26/2017	8290	36088-22-9	PeCDD (total)	2.9	J	0.18	5.3	pg/g	J	sp	< PQL		
4401890602	RI-14-5.0-20170726	7/26/2017	8290	57117-31-4	2,3,4,7,8-Pentachlorodibenzofuran	2.2	J	0.38	5.3	pg/g	J	sp	< PQL		
4401890602	RI-14-5.0-20170726	7/26/2017	8290	40321-76-4	1,2,3,7,8-Pentachlorodibenzo-p-dioxin	0.31	J	0.18	5.3	pg/g	J	sp	< PQL		
4401890602	RI-14-5.0-20170726	7/26/2017	8290	55684-94-1	HxCDF (total)	52	q	0.61	5.3	pg/g	J	k	EMPC		
4401890602	RI-14-5.0-20170726	7/26/2017	8290	57653-85-7	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	0.60	Jq	0.11	5.3	pg/g	J	k,sp	EMPC; < PQL		
4401892232	RI-15-10.0-20170728	7/28/2017	8290	72918-21-9	1,2,3,7,8,9-Hexachlorodibenzofuran	1.8	J	0.59	5.1	pg/g	J	sp	< PQL		
4401892232	RI-15-10.0-20170728	7/28/2017	8290	19408-74-3	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	1.2	J	0.061	5.1	pg/g	J	sp	< PQL		
4401892232	RI-15-10.0-20170728	7/28/2017	8290	41903-57-5	TCDD (total)	5.3	q	0.077	1.0	pg/g	J	k	EMPC		
4401892232	RI-15-10.0-20170728	7/28/2017	8290	39227-28-6	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	0.61	J	0.072	5.1	pg/g	J	sp	< PQL		
4401892232	RI-15-10.0-20170728	7/28/2017	8290	3268-87-9	Octachlorodibenzo-p-dioxin	6.8	JB	0.047	10	pg/g	J	sp	< PQL		
4401892232	RI-15-10.0-20170728	7/28/2017	8290	57653-85-7	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	1.2	J	0.069	5.1	pg/g	J	sp	< PQL		
4401892232	RI-15-10.0-20170728	7/28/2017	8290	60851-34-5	2,3,4,6,7,8-Hexachlorodibenzofuran	2.9	J	0.56	5.1	pg/g	J	sp	< PQL		
4401892232	RI-15-10.0-20170728	7/28/2017	8290	35822-46-9	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	4.7	JB	0.074	5.1	pg/g	J	sp	< PQL		
4401892232	RI-15-10.0-20170728	7/28/2017	8290	30402-15-4	PeCDF (total)	49	q	0.39	5.1	pg/g	J	k	EMPC		
4401892232	RI-15-10.0-20170728	7/28/2017	8290	57117-31-4	2,3,4,7,8-Pentachlorodibenzofuran	4.3	J	0.40	5.1	pg/g	J	sp	< PQL		
4401892232	RI-15-10.0-20170728	7/28/2017	8290	36088-22-9	PeCDD (total)	5.0	J	0.14	5.1	pg/g	J	sp	< PQL		
4401892232	RI-15-10.0-20170728	7/28/2017	8290	40321-76-4	1,2,3,7,8-Pentachlorodibenzo-p-dioxin	0.70	J	0.14	5.1	pg/g	J	sp	< PQL		
4401892232	RI-15-10.0-20170728	7/28/2017	8290	1746-01-6	2,3,7,8-Tetrachlorodibenzo-p-dioxin	0.23	Jq	0.077	1.0	pg/g	J	k,sp	EMPC; < PQL		
4401892232	RI-15-20.0-20170728	7/28/2017	8290	30402-14-3	Tetrachlorodibenzofuran	0.088	J	0.036	1.1	pg/g	J	sp	< PQL		
4401892232	RI-15-20.0-20170728	7/28/2017	8290	55684-94-1	HxCDF (total)	0.31	Jq	0.11	5.5	pg/g	J	k,sp	EMPC; < PQL		
4401892232	RI-15-20.0-20170728	7/28/2017	8290	67562-39-4	1,2,3,4,6,7,8-Heptachlorodibenzofuran	0.46	JB	0.037	5.5	pg/g	J	bl,sp	MB contamination; < PQL	0.0913	0.4565 pg/g
4401892232	RI-15-20.0-20170728	7/28/2017	8290	37871-00-4	HpCDD (total)	0.30	JB	0.051	5.5	pg/g	J	bl,sp	MB contamination; < PQL	0.311	1.555 pg/g
4401892232	RI-15-20.0-20170728	7/28/2017	8290	34465-46-8	HxCDD (total)	0.29	Jq	0.058	5.5	pg/g	J	k,sp	EMPC; < PQL		
4401892232	RI-15-20.0-20170728	7/28/2017	8290	72918-21-9	1,2,3,7,8,9-Hexachlorodibenzofuran	0.21	J	0.11	5.5	pg/g	J	sp	< PQL		
4401892232	RI-15-20.0-20170728	7/28/2017	8290	51207-31-9	2,3,7,8-Tetrachlorodibenzofuran	0.088	J	0.036	1.1	pg/g	J	sp	< PQL		
4401892232	RI-15-20.0-20170728	7/28/2017	8290	19408-74-3	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	0.29	Jq	0.053	5.5	pg/g	J	k,sp	EMPC; < PQL		
4401892232	RI-15-20.0-20170728	7/28/2017	8290	3268-87-9	Octachlorodibenzo-p-dioxin	0.83	JB	0.041	11	pg/g	J	bl,sp	MB contamination; < PQL	1.29	6.45 pg/g
4401892232	RI-15-20.0-20170728	7/28/2017	8290	30402-15-4	PeCDF (total)	0.11	J	0.063	5.5	pg/g	J	sp	< PQL		
4401892232	RI-15-20.0-20170728	7/28/2017	8290	55673-89-7	1,2,3,4,7,8,9-Heptachlorodibenzofuran	0.30	JB	0.045	5.5	pg/g	J	bl,sp	MB contamination; < PQL	0.0824	0.412 pg/g
4401892232	RI-15-20.0-20170728	7/28/2017	8290	39001-02-0	Octachlorodibenzofuran	1.1	JB	0.049	11	pg/g	J	bl,sp	MB contamination; < PQL	0.259	1.295 pg/g
4401892232	RI-15-20.0-20170728	7/28/2017	8290	38998-75-3	HpCDF (total)	1.0	JBq	0.041	5.5	pg/g	J	bl,k,sp	MB contamination; EMPC; < PQL	0.174	0.87 pg/g

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator <sup>1</sup>	Qualification Finding	Acceptance Criteria
4401892232	RI-15-20.0-20170728	7/28/2017	8290	35822-46-9	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	0.30	JB	0.051	5.5	pg/g	J	bl,sp	MB contamination; < PQL	0.175	0.875 pg/g
4401892232	RI-15-5.0-20170728	7/28/2017	8290	30402-14-3	Tetrachlorodibenzofuran	36	q	0.19	1.1	pg/g	J	k	EMPC		
4401892232	RI-15-5.0-20170728	7/28/2017	8290	19408-74-3	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	1.2	J	0.066	5.4	pg/g	J	sp	< PQL		
4401892232	RI-15-5.0-20170728	7/28/2017	8290	41903-57-5	TCDD (total)	4.5	q	0.079	1.1	pg/g	J	k	EMPC		
4401892232	RI-15-5.0-20170728	7/28/2017	8290	39227-28-6	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	0.60	J	0.078	5.4	pg/g	J	sp	< PQL		
4401892232	RI-15-5.0-20170728	7/28/2017	8290	3268-87-9	Octachlorodibenzo-p-dioxin	6.0	JB	0.053	11	pg/g	J	bl,sp	MB contamination; < PQL	1.29	6.45 pg/g
4401892232	RI-15-5.0-20170728	7/28/2017	8290	60851-34-5	2,3,4,6,7,8-Hexachlorodibenzofuran	2.7	J	0.67	5.4	pg/g	J	sp	< PQL		
4401892232	RI-15-5.0-20170728	7/28/2017	8290	57653-85-7	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	1.2	J	0.074	5.4	pg/g	J	sp	< PQL		
4401892232	RI-15-5.0-20170728	7/28/2017	8290	35822-46-9	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	4.2	JB	0.091	5.4	pg/g	J	sp	< PQL		
4401892232	RI-15-5.0-20170728	7/28/2017	8290	72918-21-9	1,2,3,7,8,9-Hexachlorodibenzofuran	1.6	J	0.70	5.4	pg/g	J	sp	< PQL		
4401892232	RI-15-5.0-20170728	7/28/2017	8290	57117-31-4	2,3,4,7,8-Pentachlorodibenzofuran	4.0	J	0.36	5.4	pg/g	J	sp	< PQL		
4401892232	RI-15-5.0-20170728	7/28/2017	8290	34465-46-8	HxCDD (total)	7.3	q	0.073	5.4	pg/g	J	k	EMPC		
4401892232	RI-15-5.0-20170728	7/28/2017	8290	36088-22-9	PeCDD (total)	5.0	Jq	0.12	5.4	pg/g	J	k,sp	EMPC; < PQL		
4401892232	RI-15-5.0-20170728	7/28/2017	8290	40321-76-4	1,2,3,7,8-Pentachlorodibenzo-p-dioxin	0.75	J	0.12	5.4	pg/g	J	sp	< PQL		
4401892232	RI-15-5.0-20170728	7/28/2017	8290	1746-01-6	2,3,7,8-Tetrachlorodibenzo-p-dioxin	0.16	Jq	0.079	1.1	pg/g	J	k,sp	EMPC; < PQL		
4401892602	RI-15-30.0-20170730	7/30/2017	8290	19408-74-3	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	0.35	J	0.035	5.3	pg/g	J	sp	< PQL		
4401892602	RI-15-30.0-20170730	7/30/2017	8290	72918-21-9	1,2,3,7,8,9-Hexachlorodibenzofuran	0.13	Jq	0.073	5.3	pg/g	J	k,sp	EMPC; < PQL		
4401892602	RI-15-30.0-20170730	7/30/2017	8290	39001-02-0	Octachlorodibenzofuran	0.47	JB	0.047	11	pg/g	J	bl,sp	MB contamination; < PQL	0.259	1.295 pg/g
4401892602	RI-15-30.0-20170730	7/30/2017	8290	3268-87-9	Octachlorodibenzo-p-dioxin	0.54	JB	0.034	11	pg/g	J	bl,sp	MB contamination; < PQL	1.29	6.45 pg/g
4401892602	RI-15-30.0-20170730	7/30/2017	8290	57653-85-7	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	0.15	J	0.039	5.3	pg/g	J	sp	< PQL		
4401892602	RI-15-30.0-20170730	7/30/2017	8290	38998-75-3	HpCDF (total)	0.15	JBq	0.041	5.3	pg/g	J	bl,k,sp	MB contamination; EMPC; < PQL	0.174	0.87 pg/g
4401892602	RI-15-30.0-20170730	7/30/2017	8290	35822-46-9	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	0.12	JB	0.028	5.3	pg/g	J	bl,sp	MB contamination; < PQL	0.175	0.875 pg/g
4401892602	RI-15-30.0-20170730	7/30/2017	8290	37871-00-4	HpCDD (total)	0.23	JBq	0.028	5.3	pg/g	J	bl,k,sp	MB contamination; EMPC; < PQL	0.311	1.555 pg/g
4401892602	RI-15-30.0-20170730	7/30/2017	8290	67562-39-4	1,2,3,4,6,7,8-Heptachlorodibenzofuran	0.15	JBq	0.037	5.3	pg/g	J	bl,k,sp	MB contamination; EMPC; < PQL	0.0913	0.4565 pg/g
4401892602	RI-15-30.0-20170730	7/30/2017	8290	34465-46-8	HxCDD (total)	0.51	J	0.038	5.3	pg/g	J	sp	< PQL		
4401892602	RI-15-30.0-20170730	7/30/2017	8290	55684-94-1	HxCDF (total)	0.13	Jq	0.071	5.3	pg/g	J	k,sp	EMPC; < PQL		
4401917752	M-242-20170908	9/8/2017	8290	37871-00-4	HpCDD (total)	1.4	JBq	0.30	50	pg/l	J	bl,k,sp	MB contamination; EMPC; < PQL	1.76	8.8 pg/l
4401917752	M-242-20170908	9/8/2017	8290	55684-94-1	HxCDF (total)	0.84	JBq	0.20	50	pg/l	J	bl,k,sp	MB contamination; EMPC; < PQL	3.86	19.3 pg/l
4401917752	M-242-20170908	9/8/2017	8290	30402-14-3	Tetrachlorodibenzofuran	0.27	Jq	0.13	10	pg/l	J	k,sp	EMPC; < PQL		
4401917752	M-242-20170908	9/8/2017	8290	35822-46-9	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	0.77	JB	0.30	50	pg/l	J	bl,sp	MB contamination; < PQL	1.16	5.8 pg/l
4401917752	M-242-20170908	9/8/2017	8290	72918-21-9	1,2,3,7,8,9-Hexachlorodibenzofuran	0.52	JBq	0.22	50	pg/l	J	bl,k,sp	MB contamination; EMPC; < PQL	1.14	5.7 pg/l
4401917752	M-242-20170908	9/8/2017	8290	34465-46-8	HxCDD (total)	0.38	JB	0.21	50	pg/l	J	bl,sp	MB contamination; < PQL	0.615	3.075 pg/l
4401917752	M-242-20170908	9/8/2017	8290	38998-75-3	HpCDF (total)	0.98	JBq	0.37	50	pg/l	J	bl,k,sp	MB contamination; EMPC; < PQL	2.34	11.7 pg/l
4401917752	M-242-20170908	9/8/2017	8290	19408-74-3	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	0.38	J	0.19	50	pg/l	J	sp	< PQL		
4401917752	M-242-20170908	9/8/2017	8290	57117-44-9	1,2,3,6,7,8-Hexachlorodibenzofuran	0.33	JB	0.19	50	pg/l	J	bl,sp	MB contamination; < PQL	1.12	5.6 pg/l
4401917752	M-242-20170908	9/8/2017	8290	39001-02-0	Octachlorodibenzofuran	2.8	JB	0.26	100	pg/l	J	bl,sp	MB contamination; < PQL	2.65	13.25 pg/l
4401917752	M-242-20170908	9/8/2017	8290	3268-87-9	Octachlorodibenzo-p-dioxin	4.2	JB	0.22	100	pg/l	J	bl,sp	MB contamination; < PQL	4.22	21.1 pg/l
4401917752	M-242-20170908	9/8/2017	8290	51207-31-9	2,3,7,8-Tetrachlorodibenzofuran	0.27	Jq	0.13	10	pg/l	J	k,sp	EMPC; < PQL		
4401917752	M-242-20170908	9/8/2017	8290	67562-39-4	1,2,3,4,6,7,8-Heptachlorodibenzofuran	0.98	JBq	0.34	50	pg/l	J	bl,k,sp	MB contamination; EMPC; < PQL	1.15	5.75 pg/l
4401917752	M-243-20170908	9/8/2017	8290	38998-75-3	HpCDF (total)	8.1	JBq	0.46	50	pg/l	J	bl,k,sp	MB contamination; EMPC; < PQL	2.34	11.7 pg/l
4401917752	M-243-20170908	9/8/2017	8290	3268-87-9	Octachlorodibenzo-p-dioxin	4.2	JBq	0.24	100	pg/l	J	bl,k,sp	MB contamination; EMPC; < PQL	4.22	21.1 pg/l
4401917752	M-243-20170908	9/8/2017	8290	30402-14-3	Tetrachlorodibenzofuran	1.5	Jq	0.22	10	pg/l	J	k,sp	EMPC; < PQL		
4401917752	M-243-20170908	9/8/2017	8290	39001-02-0	Octachlorodibenzofuran	11	JB	0.29	100	pg/l	J	bl,sp	MB contamination; < PQL	2.65	13.25 pg/l
4401917752	M-243-20170908	9/8/2017	8290	51207-31-9	2,3,7,8-Tetrachlorodibenzofuran	0.54	J	0.22	10	pg/l	J	sp	< PQL		
4401917752	M-243-20170908	9/8/2017	8290	55673-89-7	1,2,3,4,7,8,9-Heptachlorodibenzofuran	1.8	JB	0.49	50	pg/l	J	bl,sp	MB contamination; < PQL	1.19	5.95 pg/l
4401917752	M-243-20170908	9/8/2017	8290	57117-41-6	1,2,3,7,8-Pentachlorodibenzofuran	0.64	J	0.32	50	pg/l	J	sp	< PQL		
4401917752	M-243-20170908	9/8/2017	8290	37871-00-4	HpCDD (total)	2.0	JB	0.34	50	pg/l	J	bl,sp	MB contamination; < PQL	1.76	8.8 pg/l
4401917752	M-243-20170908	9/8/2017	8290	30402-15-4	PeCDF (total)	1.1	Jq	0.32	50	pg/l	J	k,sp	EMPC; < PQL		
4401917752	M-243-20170908	9/8/2017	8290	35822-46-9	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	1.1	JB	0.34	50	pg/l	J	bl,sp	MB contamination; < PQL	1.16	5.8 pg/l
4401917752	M-243-20170908	9/8/2017	8290	55684-94-1	HxCDF (total)	1.3	JB	0.48	50	pg/l	J	bl,sp	MB contamination; < PQL	3.86	19.3 pg/l
4401917752	M-243-20170908	9/8/2017	8290	70648-26-9	1,2,3,4,7,8-Hexachlorodibenzofuran	1.3	JB	0.49	50	pg/l	J	bl,sp	MB contamination; < PQL	0.528	2.64 pg/l
4401917752	M-243-20170908	9/8/2017	8290	67562-39-4	1,2,3,4,6,7,8-Heptachlorodibenzofuran	3.5	JB	0.42	50	pg/l	J	bl,sp	MB contamination; < PQL	1.15	5.75 pg/l
4401917752	M-243-20170908-FD	9/8/2017	8290	30402-14-3	Tetrachlorodibenzofuran	5.4	Jq	0.12	9.8	pg/l	J	k,sp	EMPC; < PQL		
4401917752	M-243-20170908-FD	9/8/2017	8290	55684-94-1	HxCDF (total)	6.3	JqB	0.28	49	pg/l	J	bl,k,sp	MB contamination; EMPC; < PQL	3.86	19.3 pg/l
4401917752	M-243-20170908-FD	9/8/2017	8290	35822-46-9	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	1.2	JB	0.24	49	pg/l	J	bl,sp	MB contamination; < PQL	1.16	5.8 pg/l

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator <sup>1</sup>	Qualification Finding	Acceptance Criteria
4401917752	M-243-20170908-FD	9/8/2017	8290	70648-26-9	1,2,3,4,7,8-Hexachlorodibenzofuran	1.6	JB	0.28	49	pg/l	J	bl,sp	MB contamination; < PQL	0.528	2.64 pg/l
4401917752	M-243-20170908-FD	9/8/2017	8290	72918-21-9	1,2,3,7,8,9-Hexachlorodibenzofuran	0.77	JB	0.30	49	pg/l	J	bl,sp	MB contamination; < PQL	1.14	5.7 pg/l
4401917752	M-243-20170908-FD	9/8/2017	8290	30402-15-4	PeCDF (total)	3.3	Jq	0.20	49	pg/l	J	k,sp	EMPC; < PQL		
4401917752	M-243-20170908-FD	9/8/2017	8290	67562-39-4	1,2,3,4,6,7,8-Heptachlorodibenzofuran	3.7	JqB	0.21	49	pg/l	J	bl,k,sp	MB contamination; EMPC; < PQL	1.15	5.75 pg/l
4401917752	M-243-20170908-FD	9/8/2017	8290	34465-46-8	HxCDD (total)	0.35	JB	0.15	49	pg/l	J	bl,sp	MB contamination; < PQL	0.615	3.075 pg/l
4401917752	M-243-20170908-FD	9/8/2017	8290	38998-75-3	HpCDF (total)	7.9	JqB	0.23	49	pg/l	J	bl,k,sp	MB contamination; EMPC; < PQL	2.34	11.7 pg/l
4401917752	M-243-20170908-FD	9/8/2017	8290	19408-74-3	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	0.35	J	0.14	49	pg/l	J	sp	< PQL		
4401917752	M-243-20170908-FD	9/8/2017	8290	57117-44-9	1,2,3,6,7,8-Hexachlorodibenzofuran	0.92	JqB	0.26	49	pg/l	J	bl,k,sp	MB contamination; EMPC; < PQL	1.12	5.6 pg/l
4401917752	M-243-20170908-FD	9/8/2017	8290	55673-89-7	1,2,3,4,7,8,9-Heptachlorodibenzofuran	1.8	JB	0.25	49	pg/l	J	bl,sp	MB contamination; < PQL	1.19	5.95 pg/l
4401917752	M-243-20170908-FD	9/8/2017	8290	39001-02-0	Octachlorodibenzofuran	11	JB	0.20	98	pg/l	J	bl,sp	MB contamination; < PQL	2.65	13.25 pg/l
4401917752	M-243-20170908-FD	9/8/2017	8290	3268-87-9	Octachlorodibenzo-p-dioxin	2.9	JB	0.14	98	pg/l	J	bl,sp	MB contamination; < PQL	4.22	21.1 pg/l
4401917752	M-243-20170908-FD	9/8/2017	8290	51207-31-9	2,3,7,8-Tetrachlorodibenzofuran	0.89	J	0.12	9.8	pg/l	J	sp	< PQL		
4401917752	M-243-20170908-FD	9/8/2017	8290	37871-00-4	HpCDD (total)	2.4	JB	0.24	49	pg/l	J	bl,sp	MB contamination; < PQL	1.76	8.8 pg/l
4401917752	M-245-20170908	9/8/2017	8290	67562-39-4	1,2,3,4,6,7,8-Heptachlorodibenzofuran	0.61	JB	0.15	49	pg/l	J	bl,sp	MB contamination; < PQL	1.15	5.75 pg/l
4401917752	M-245-20170908	9/8/2017	8290	60851-34-5	2,3,4,6,7,8-Hexachlorodibenzofuran	0.28	JB	0.11	49	pg/l	J	bl,sp	MB contamination; < PQL	1.07	5.35 pg/l
4401917752	M-245-20170908	9/8/2017	8290	57653-85-7	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	0.40	Jq	0.10	49	pg/l	J	k,sp	EMPC; < PQL		
4401917752	M-245-20170908	9/8/2017	8290	3268-87-9	Octachlorodibenzo-p-dioxin	2.8	JB	0.16	97	pg/l	J	bl,sp	MB contamination; < PQL	4.22	21.1 pg/l
4401917752	M-245-20170908	9/8/2017	8290	39001-02-0	Octachlorodibenzofuran	0.97	JqB	0.13	97	pg/l	J	bl,k,sp	MB contamination; EMPC; < PQL	2.65	13.25 pg/l
4401917752	M-245-20170908	9/8/2017	8290	19408-74-3	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	0.22	Jq	0.095	49	pg/l	J	k,sp	EMPC; < PQL		
4401917752	M-245-20170908	9/8/2017	8290	55684-94-1	HxCDF (total)	0.49	JqB	0.11	49	pg/l	J	bl,k,sp	MB contamination; EMPC; < PQL	3.86	19.3 pg/l
4401917752	M-245-20170908	9/8/2017	8290	39227-28-6	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	0.17	JqB	0.11	49	pg/l	J	bl,k,sp	MB contamination; EMPC; < PQL	0.615	3.075 pg/l
4401917752	M-245-20170908	9/8/2017	8290	37871-00-4	HpCDD (total)	1.6	JqB	0.19	49	pg/l	J	bl,k,sp	MB contamination; EMPC; < PQL	1.76	8.8 pg/l
4401917752	M-245-20170908	9/8/2017	8290	34465-46-8	HxCDD (total)	0.80	JqB	0.10	49	pg/l	J	bl,k,sp	MB contamination; EMPC; < PQL	0.615	3.075 pg/l
4401917752	M-245-20170908	9/8/2017	8290	72918-21-9	1,2,3,7,8,9-Hexachlorodibenzofuran	0.22	JqB	0.12	49	pg/l	J	bl,k,sp	MB contamination; EMPC; < PQL	1.14	5.7 pg/l
4401917752	M-245-20170908	9/8/2017	8290	35822-46-9	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	0.68	JqB	0.19	49	pg/l	J	bl,k,sp	MB contamination; EMPC; < PQL	1.16	5.8 pg/l
4401917752	M-245-20170908	9/8/2017	8290	38998-75-3	HpCDF (total)	0.61	JB	0.17	49	pg/l	J	bl,sp	MB contamination; < PQL	2.34	11.7 pg/l
4401918002	M-246-20170908	9/8/2017	8290	39227-28-6	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	0.29	JqB	0.11	48	pg/l	J	bl,k,sp	MB contamination; EMPC; < PQL	0.615	3.075 pg/l
4401918002	M-246-20170908	9/8/2017	8290	3268-87-9	Octachlorodibenzo-p-dioxin	2.0	JqB	0.13	95	pg/l	J	bl,k,sp	MB contamination; EMPC; < PQL	4.22	21.1 pg/l
4401918002	M-246-20170908	9/8/2017	8290	57653-85-7	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	0.26	Jq	0.094	48	pg/l	J	k,sp	EMPC; < PQL		
4401918002	M-246-20170908	9/8/2017	8290	60851-34-5	2,3,4,6,7,8-Hexachlorodibenzofuran	0.25	JB	0.085	48	pg/l	J	bl,sp	MB contamination; < PQL	1.07	5.35 pg/l
4401918002	M-246-20170908	9/8/2017	8290	57117-44-9	1,2,3,6,7,8-Hexachlorodibenzofuran	0.21	JB	0.079	48	pg/l	J	bl,sp	MB contamination; < PQL	1.12	5.6 pg/l
4401918002	M-246-20170908	9/8/2017	8290	39001-02-0	Octachlorodibenzofuran	0.85	JqB	0.096	95	pg/l	J	bl,k,sp	MB contamination; EMPC; < PQL	2.65	13.25 pg/l
4401918002	M-246-20170908	9/8/2017	8290	19408-74-3	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	0.27	Jq	0.089	48	pg/l	J	k,sp	EMPC; < PQL		
4401918002	M-246-20170908	9/8/2017	8290	40321-76-4	1,2,3,7,8-Pentachlorodibenzo-p-dioxin	0.26	Jq	0.11	48	pg/l	J	k,sp	EMPC; < PQL		
4401918002	M-246-20170908	9/8/2017	8290	72918-21-9	1,2,3,7,8,9-Hexachlorodibenzofuran	0.61	JB	0.092	48	pg/l	J	bl,sp	MB contamination; < PQL	1.14	5.7 pg/l
4401918002	M-246-20170908	9/8/2017	8290	38998-75-3	HpCDF (total)	0.60	JB	0.20	48	pg/l	J	bl,sp	MB contamination; < PQL	2.34	11.7 pg/l
4401918002	M-246-20170908	9/8/2017	8290	70648-26-9	1,2,3,4,7,8-Hexachlorodibenzofuran	0.27	JqB	0.088	48	pg/l	J	bl,k,sp	MB contamination; EMPC; < PQL	0.528	2.64 pg/l
4401918002	M-246-20170908	9/8/2017	8290	55684-94-1	HxCDF (total)	1.3	JqB	0.086	48	pg/l	J	bl,k,sp	MB contamination; EMPC; < PQL	3.86	19.3 pg/l
4401918002	M-246-20170908	9/8/2017	8290	35822-46-9	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	0.66	JB	0.11	48	pg/l	J	bl,sp	MB contamination; < PQL	1.16	5.8 pg/l
4401918002	M-246-20170908	9/8/2017	8290	67562-39-4	1,2,3,4,6,7,8-Heptachlorodibenzofuran	0.60	JB	0.18	48	pg/l	J	bl,sp	MB contamination; < PQL	1.15	5.75 pg/l
4401918002	M-246-20170908	9/8/2017	8290	37871-00-4	HpCDD (total)	1.5	JB	0.11	48	pg/l	J	bl,sp	MB contamination; < PQL	1.76	8.8 pg/l
4401918002	M-246-20170908	9/8/2017	8290	34465-46-8	HxCDD (total)	0.82	JqB	0.096	48	pg/l	J	bl,k,sp	MB contamination; EMPC; < PQL	0.615	3.075 pg/l
4401918002	M-246-20170908	9/8/2017	8290	36088-22-9	PeCDD (total)	0.26	Jq	0.11	48	pg/l	J	k,sp	EMPC; < PQL		
4401921142	M-211-20170913	9/13/2017	8290	30402-15-4	PeCDF (total)	0.68	Jq	0.31	49	pg/l	J	k,sp	EMPC; < PQL		
4401921142	M-211-20170913	9/13/2017	8290	39001-02-0	Octachlorodibenzofuran	2.4	JB	0.35	98	pg/l	J	sp	< PQL		
4401921142	M-211-20170913	9/13/2017	8290	34465-46-8	HxCDD (total)	2.3	Jq	0.25	49	pg/l	J	k,sp	EMPC; < PQL		
4401921142	M-211-20170913	9/13/2017	8290	37871-00-4	HpCDD (total)	2.0	JBq	0.22	49	pg/l	J	bl,k,sp	MB contamination; EMPC; < PQL	1.2	6 pg/l
4401921142	M-211-20170913	9/13/2017	8290	35822-46-9	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	1.1	JB	0.22	49	pg/l	J	bl,sp	MB contamination; < PQL	0.521	2.605 pg/l
4401921142	M-211-20170913	9/13/2017	8290	70648-26-9	1,2,3,4,7,8-Hexachlorodibenzofuran	0.90	Jq	0.41	49	pg/l	J	k,sp	EMPC; < PQL		
4401921142	M-211-20170913	9/13/2017	8290	72918-21-9	1,2,3,7,8,9-Hexachlorodibenzofuran	1.0	J	0.43	49	pg/l	J	sp	< PQL		
4401921142	M-211-20170913	9/13/2017	8290	67562-39-4	1,2,3,4,6,7,8-Heptachlorodibenzofuran	1.5	JB	0.24	49	pg/l	J	sp	< PQL		
4401921142	M-211-20170913	9/13/2017	8290	57117-44-9	1,2,3,6,7,8-Hexachlorodibenzofuran	1.0	J	0.37	49	pg/l	J	sp	< PQL		
4401921142	M-211-20170913	9/13/2017	8290	57117-41-6	1,2,3,7,8-Pentachlorodibenzofuran	0.68	Jq	0.30	49	pg/l	J	k,sp	EMPC; < PQL		
4401921142	M-211-20170913	9/13/2017	8290	60851-34-5	2,3,4,6,7,8-Hexachlorodibenzofuran	0.73	J	0.40	49	pg/l	J	sp	< PQL		
4401921142	M-211-20170913	9/13/2017	8290	57653-85-7	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	0.95	Jq	0.24	49	pg/l	J	k,sp	EMPC; < PQL		

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator <sup>1</sup>	Qualification Finding	Acceptance Criteria
4401921142	M-211-20170913	9/13/2017	8290	3268-87-9	Octachlorodibenzo-p-dioxin	2.9	JB	0.19	98	pg/l	J	bl,sp	MB contamination; < PQL	1.59	7.95 pg/l
4401921142	M-211-20170913	9/13/2017	8290	38998-75-3	HpCDF (total)	2.5	JB	0.26	49	pg/l	J	sp	< PQL		
4401921142	M-211-20170913	9/13/2017	8290	19408-74-3	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	0.85	J	0.23	49	pg/l	J	sp	< PQL		
4401921142	M-211-20170913	9/13/2017	8290	39227-28-6	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	0.54	Jq	0.27	49	pg/l	J	k,sp	EMPC; < PQL		
4401921142	M-211-20170913	9/13/2017	8290	55673-89-7	1,2,3,4,7,8,9-Heptachlorodibenzofuran	0.92	J	0.28	49	pg/l	J	sp	< PQL		
4401921142	M-211-20170913	9/13/2017	8290	55684-94-1	HxCDF (total)	3.7	Jq	0.40	49	pg/l	J	k,sp	EMPC; < PQL		
4401929692	M-204-20170926	9/26/2017	8290	37871-00-4	HpCDD (total)	0.97	J	0.75	49	pg/l	J	sp	< PQL		
4401929692	M-204-20170926	9/26/2017	8290	38998-75-3	HpCDF (total)	3.6	J	0.66	49	pg/l	J	sp	< PQL		
4401929692	M-204-20170926	9/26/2017	8290	39227-28-6	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	1.6	JB	0.67	49	pg/l	J	bl,sp	MB contamination; < PQL	1.32	6.6 pg/l
4401929692	M-204-20170926	9/26/2017	8290	39001-02-0	Octachlorodibenzofuran	5.3	Jq	1.4	99	pg/l	J	k,sp	EMPC; < PQL		
4401929692	M-204-20170926	9/26/2017	8290	3268-87-9	Octachlorodibenzo-p-dioxin	2.7	JqB	0.57	99	pg/l	J	bl,k,sp	MB contamination; EMPC; < PQL	0.943	4.715 pg/l
4401929692	M-204-20170926	9/26/2017	8290	34465-46-8	HxCDD (total)	1.6	JB	0.57	49	pg/l	J	bl,sp	MB contamination; < PQL	1.99	9.95 pg/l
4401929692	M-204-20170926	9/26/2017	8290	30402-15-4	PeCDF (total)	1.2	Jq	0.53	49	pg/l	J	k,sp	EMPC; < PQL		
4401929692	M-204-20170926	9/26/2017	8290	35822-46-9	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	0.97	J	0.75	49	pg/l	J	sp	< PQL		
4401929692	M-204-20170926	9/26/2017	8290	67562-39-4	1,2,3,4,6,7,8-Heptachlorodibenzofuran	2.8	J	0.59	49	pg/l	J	sp	< PQL		
4401931582	M-135-20170928	9/28/2017	8290	3268-87-9	Octachlorodibenzo-p-dioxin	4.2	Jq	0.86	97	pg/l	J	k,sp	EMPC; < PQL		
4401931582	M-244-20170928	9/28/2017	8290	35822-46-9	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	2.8	JB	0.47	48	pg/l	J	bl,sp	MB contamination; < PQL	2.70	13.5 pg/l
4401931582	M-244-20170928	9/28/2017	8290	38998-75-3	HpCDF (total)	7.4	Jq	1.5	48	pg/l	J	k,sp	EMPC; < PQL		
4401931582	M-244-20170928	9/28/2017	8290	3268-87-9	Octachlorodibenzo-p-dioxin	3.1	Jq	0.66	96	pg/l	J	k,sp	EMPC; < PQL		
4401931582	M-244-20170928	9/28/2017	8290	55673-89-7	1,2,3,4,7,8,9-Heptachlorodibenzofuran	3.4	Jq	1.6	48	pg/l	J	k,sp	EMPC; < PQL		
4401931582	M-244-20170928	9/28/2017	8290	39001-02-0	Octachlorodibenzofuran	5.7	Jq	1.1	96	pg/l	J	k,sp	EMPC; < PQL		
4401931582	M-244-20170928	9/28/2017	8290	37871-00-4	HpCDD (total)	4.3	JBq	0.47	48	pg/l	J	bl,k,sp	MB contamination; EMPC; < PQL	4.91	24.55 pg/l
4401931582	M-244-20170928	9/28/2017	8290	67562-39-4	1,2,3,4,6,7,8-Heptachlorodibenzofuran	4.0	Jq	1.3	48	pg/l	J	k,sp	EMPC; < PQL		
4401931582	M-79-20170928	9/28/2017	8290	35822-46-9	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	1.3	JBq	0.51	49	pg/l	J	bl,k,sp	MB contamination; EMPC; < PQL	2.70	13.5 pg/l
4401931582	M-79-20170928	9/28/2017	8290	37871-00-4	HpCDD (total)	1.3	JBq	0.51	49	pg/l	J	bl,k,sp	MB contamination; EMPC; < PQL	4.91	24.55 pg/l
4401944042	M-21D-20171016	10/16/2017	8290	38998-75-3	HpCDF (total)	1.1	JB	0.33	48	pg/l	J	bl,sp	MB contamination; < PQL	0.380	1.9 pg/l
4401944042	M-21D-20171016	10/16/2017	8290	39227-28-6	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	2.9	JB	0.48	48	pg/l	J	bl,sp	MB contamination; < PQL	2.77	13.85 pg/l
4401944042	M-21D-20171016	10/16/2017	8290	3268-87-9	Octachlorodibenzo-p-dioxin	1.7	JqB	0.36	97	pg/l	J	bl,k,sp	MB contamination; EMPC; < PQL	2.19	10.95 pg/l
4401944042	M-21D-20171016	10/16/2017	8290	34465-46-8	HxCDD (total)	2.9	JB	0.41	48	pg/l	J	bl,sp	MB contamination; < PQL	2.77	13.85 pg/l
4401944042	M-21D-20171016	10/16/2017	8290	67562-39-4	1,2,3,4,6,7,8-Heptachlorodibenzofuran	1.1	JB	0.29	48	pg/l	J	bl,sp	MB contamination; < PQL	0.380	1.9 pg/l
4401947631	M-11-20171018	10/18/2017	8290	39001-02-0	Octachlorodibenzofuran	0.89	JqB	0.41	100	pg/l	J	bl,k,sp	MB contamination; EMPC; < PQL	3.38	16.9 pg/l
4401947631	M-11-20171018	10/18/2017	8290	41903-57-5	TCDD (total)	1.1	Jq	0.81	10	pg/l	J	k,sp	EMPC; < PQL		
4401947631	M-11-20171018	10/18/2017	8290	38998-75-3	HpCDF (total)	0.54	JqB	0.19	50	pg/l	J	bl,k,sp	MB contamination; EMPC; < PQL	2.90	14.5 pg/l
4401947631	M-11-20171018	10/18/2017	8290	3268-87-9	Octachlorodibenzo-p-dioxin	1.6	JB	0.53	100	pg/l	J	bl,sp	MB contamination; < PQL	4.39	21.95 pg/l
4401947631	M-11-20171018	10/18/2017	8290	35822-46-9	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	0.84	JB	0.24	50	pg/l	J	bl,sp	MB contamination; < PQL	2.05	10.25 pg/l
4401947631	M-11-20171018	10/18/2017	8290	67562-39-4	1,2,3,4,6,7,8-Heptachlorodibenzofuran	0.54	JqB	0.18	50	pg/l	J	bl,k,sp	MB contamination; EMPC; < PQL	1.52	7.6 pg/l
4401947631	M-11-20171018	10/18/2017	8290	34465-46-8	HxCDD (total)	0.97	JqB	0.65	50	pg/l	J	bl,k,sp	MB contamination; EMPC; < PQL	3.06	15.3 pg/l
4401947631	M-11-20171018	10/18/2017	8290	37871-00-4	HpCDD (total)	1.7	JB	0.24	50	pg/l	J	bl,sp	MB contamination; < PQL	3.53	17.65 pg/l
4401947631	M-11-20171018	10/18/2017	8290	39227-28-6	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	0.97	JqB	0.69	50	pg/l	J	bl,k,sp	MB contamination; EMPC; < PQL	2.23	11.15 pg/l
4401947631	M-13-20171018	10/18/2017	8290	55673-89-7	1,2,3,4,7,8,9-Heptachlorodibenzofuran	1.7	JB	0.24	48	pg/l	J	bl,sp	MB contamination; < PQL	1.38	6.9 pg/l
4401947631	M-13-20171018	10/18/2017	8290	37871-00-4	HpCDD (total)	2.0	JB	0.22	48	pg/l	J	bl,sp	MB contamination; < PQL	3.53	17.65 pg/l
4401947631	M-13-20171018	10/18/2017	8290	34465-46-8	HxCDD (total)	2.0	JB	0.59	48	pg/l	J	bl,sp	MB contamination; < PQL	3.06	15.3 pg/l
4401947631	M-13-20171018	10/18/2017	8290	70648-26-9	1,2,3,4,7,8-Hexachlorodibenzofuran	1.6	J	0.73	48	pg/l	J	sp	< PQL		
4401947631	M-13-20171018	10/18/2017	8290	30402-15-4	PeCDF (total)	1.6	Jq	0.54	48	pg/l	J	k,sp	EMPC; < PQL		
4401947631	M-13-20171018	10/18/2017	8290	35822-46-9	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	1.0	JB	0.22	48	pg/l	J	bl,sp	MB contamination; < PQL	2.05	10.25 pg/l
4401947631	M-13-20171018	10/18/2017	8290	67562-39-4	1,2,3,4,6,7,8-Heptachlorodibenzofuran	4.2	JB	0.22	48	pg/l	J	bl,sp	MB contamination; < PQL	1.52	7.6 pg/l
4401947631	M-13-20171018	10/18/2017	8290	30402-14-3	Tetrachlorodibenzofuran	0.83	J	0.56	9.7	pg/l	J	sp	< PQL		
4401947631	M-13-20171018	10/18/2017	8290	57117-44-9	1,2,3,6,7,8-Hexachlorodibenzofuran	1.1	J	0.70	48	pg/l	J	sp	< PQL		
4401947631	M-13-20171018	10/18/2017	8290	3268-87-9	Octachlorodibenzo-p-dioxin	3.0	JB	0.47	97	pg/l	J	bl,sp	MB contamination; < PQL	4.39	21.95 pg/l
4401947631	M-13-20171018	10/18/2017	8290	51207-31-9	2,3,7,8-Tetrachlorodibenzofuran	0.83	J	0.56	9.7	pg/l	J	sp	< PQL		
4401947631	M-13-20171018	10/18/2017	8290	39227-28-6	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	2.0	JB	0.62	48	pg/l	J	bl,sp	MB contamination; < PQL	2.23	11.15 pg/l
4401947631	M-13-20171018	10/18/2017	8290	38998-75-3	HpCDF (total)	8.2	JB	0.23	48	pg/l	J	bl,sp	MB contamination; < PQL	2.90	14.5 pg/l
4401947631	M-13-20171018	10/18/2017	8290	39001-02-0	Octachlorodibenzofuran	9.8	JB	0.38	97	pg/l	J	bl,sp	MB contamination; < PQL	3.38	16.9 pg/l
4401947631	M-13-20171018	10/18/2017	8290	55684-94-1	HxCDF (total)	2.6	JB	0.71	48	pg/l	J	bl,sp	MB contamination; < PQL	0.688	3.44 pg/l
4401947631	M-22A-20171018	10/18/2017	8290	67562-39-4	1,2,3,4,6,7,8-Heptachlorodibenzofuran	1.7	JB	0.21	49	pg/l	J	bl,sp	MB contamination; < PQL	1.52	7.6 pg/l



Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator <sup>1</sup>	Qualification Finding	Acceptance Criteria
4401947631	M-22A-20171018	10/18/2017	8290	38998-75-3	HpCDF (total)	2.8	JqB	0.22	49	pg/l	J	bl,k,sp	MB contamination; EMPC; < PQL	2.90	14.5 pg/l
4401947631	M-22A-20171018	10/18/2017	8290	39227-28-6	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	1.6	JB	0.55	49	pg/l	J	bl,sp	MB contamination; < PQL	2.23	11.15 pg/l
4401947631	M-22A-20171018	10/18/2017	8290	3268-87-9	Octachlorodibenzo-p-dioxin	5.8	JB	0.51	99	pg/l	J	bl,sp	MB contamination; < PQL	4.39	21.95 pg/l
4401947631	M-22A-20171018	10/18/2017	8290	55673-89-7	1,2,3,4,7,8,9-Heptachlorodibenzofuran	0.60	JqB	0.24	49	pg/l	J	bl,k,sp	MB contamination; EMPC; < PQL	1.38	6.9 pg/l
4401947631	M-22A-20171018	10/18/2017	8290	35822-46-9	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	0.95	JB	0.33	49	pg/l	J	bl,sp	MB contamination; < PQL	2.05	10.25 pg/l
4401947631	M-22A-20171018	10/18/2017	8290	34465-46-8	HxCDD (total)	1.6	JB	0.52	49	pg/l	J	bl,sp	MB contamination; < PQL	3.06	15.3 pg/l
4401947631	M-22A-20171018	10/18/2017	8290	37871-00-4	HpCDD (total)	2.2	JB	0.33	49	pg/l	J	bl,sp	MB contamination; < PQL	3.53	17.65 pg/l
4401947631	M-22A-20171018	10/18/2017	8290	39001-02-0	Octachlorodibenzofuran	3.5	JB	0.43	99	pg/l	J	bl,sp	MB contamination; < PQL	3.38	16.9 pg/l
4401947631	M-25-20171018	10/18/2017	8290	39001-02-0	Octachlorodibenzofuran	6.0	JB	0.40	100	pg/l	J	bl,sp	MB contamination; < PQL	3.38	16.9 pg/l
4401947631	M-25-20171018	10/18/2017	8290	34465-46-8	HxCDD (total)	3.5	JqB	0.52	50	pg/l	J	bl,k,sp	MB contamination; EMPC; < PQL	3.06	15.3 pg/l
4401947631	M-25-20171018	10/18/2017	8290	37871-00-4	HpCDD (total)	2.0	JB	0.25	50	pg/l	J	bl,sp	MB contamination; < PQL	3.53	17.65 pg/l
4401947631	M-25-20171018	10/18/2017	8290	35822-46-9	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	0.94	JB	0.25	50	pg/l	J	bl,sp	MB contamination; < PQL	2.05	10.25 pg/l
4401947631	M-25-20171018	10/18/2017	8290	30402-14-3	Tetrachlorodibenzofuran	0.84	J	0.57	10	pg/l	J	sp	< PQL		
4401947631	M-25-20171018	10/18/2017	8290	3268-87-9	Octachlorodibenzo-p-dioxin	2.6	JB	0.45	100	pg/l	J	bl,sp	MB contamination; < PQL	4.39	21.95 pg/l
4401947631	M-25-20171018	10/18/2017	8290	51207-31-9	2,3,7,8-Tetrachlorodibenzofuran	0.84	J	0.57	10	pg/l	J	sp	< PQL		
4401947631	M-25-20171018	10/18/2017	8290	67562-39-4	1,2,3,4,6,7,8-Heptachlorodibenzofuran	2.7	JB	0.26	50	pg/l	J	bl,sp	MB contamination; < PQL	1.52	7.6 pg/l
4401947631	M-25-20171018	10/18/2017	8290	39227-28-6	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	1.6	JB	0.55	50	pg/l	J	bl,sp	MB contamination; < PQL	2.23	11.15 pg/l
4401947631	M-25-20171018	10/18/2017	8290	38998-75-3	HpCDF (total)	3.7	JB	0.27	50	pg/l	J	bl,sp	MB contamination; < PQL	2.90	14.5 pg/l
4401947631	M-25-20171018	10/18/2017	8290	55673-89-7	1,2,3,4,7,8,9-Heptachlorodibenzofuran	1.0	JB	0.29	50	pg/l	J	bl,sp	MB contamination; < PQL	1.38	6.9 pg/l
4401947631	M-37-20171018	10/18/2017	8290	30402-14-3	Tetrachlorodibenzofuran	3.0	Jq	0.96	9.7	pg/l	J	k,sp	EMPC; < PQL		
4401947631	M-37-20171018	10/18/2017	8290	38998-75-3	HpCDF (total)	19	JqB	0.32	49	pg/l	J	k,sp	EMPC; < PQL		
4401947631	M-37-20171018	10/18/2017	8290	39227-28-6	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	1.7	JqB	0.69	49	pg/l	J	bl,k,sp	MB contamination; EMPC; < PQL	2.23	11.15 pg/l
4401947631	M-37-20171018	10/18/2017	8290	51207-31-9	2,3,7,8-Tetrachlorodibenzofuran	1.7	J	0.96	9.7	pg/l	J	sp	< PQL		
4401947631	M-37-20171018	10/18/2017	8290	3268-87-9	Octachlorodibenzo-p-dioxin	3.6	JB	0.44	97	pg/l	J	bl,sp	MB contamination; < PQL	4.39	21.95 pg/l
4401947631	M-37-20171018	10/18/2017	8290	57117-44-9	1,2,3,6,7,8-Hexachlorodibenzofuran	2.2	J	0.73	49	pg/l	J	sp	< PQL		
4401947631	M-37-20171018	10/18/2017	8290	55673-89-7	1,2,3,4,7,8,9-Heptachlorodibenzofuran	3.5	JB	0.34	49	pg/l	J	bl,sp	MB contamination; < PQL	1.38	6.9 pg/l
4401947631	M-37-20171018	10/18/2017	8290	55684-94-1	HxCDF (total)	8.7	JqB	0.74	49	pg/l	J	k,sp	EMPC; < PQL		
4401947631	M-37-20171018	10/18/2017	8290	35822-46-9	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	1.4	JB	0.21	49	pg/l	J	bl,sp	MB contamination; < PQL	2.05	10.25 pg/l
4401947631	M-37-20171018	10/18/2017	8290	30402-15-4	PeCDF (total)	7.0	Jq	0.79	49	pg/l	J	k,sp	EMPC; < PQL		
4401947631	M-37-20171018	10/18/2017	8290	70648-26-9	1,2,3,4,7,8-Hexachlorodibenzofuran	3.2	Jq	0.76	49	pg/l	J	k,sp	EMPC; < PQL		
4401947631	M-37-20171018	10/18/2017	8290	67562-39-4	1,2,3,4,6,7,8-Heptachlorodibenzofuran	10	JB	0.31	49	pg/l	J	sp	< PQL		
4401947631	M-37-20171018	10/18/2017	8290	34465-46-8	HxCDD (total)	1.7	JqB	0.65	49	pg/l	J	bl,k,sp	MB contamination; EMPC; < PQL	3.06	15.3 pg/l
4401947631	M-37-20171018	10/18/2017	8290	37871-00-4	HpCDD (total)	2.6	JB	0.21	49	pg/l	J	bl,sp	MB contamination; < PQL	3.53	17.65 pg/l
4401947631	M-37-20171018	10/18/2017	8290	39001-02-0	Octachlorodibenzofuran	26	JB	0.48	97	pg/l	J	sp	< PQL		
4401947631	M-75-20171018	10/18/2017	8290	35822-46-9	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	1.2	JB	0.27	50	pg/l	J	bl,sp	MB contamination; < PQL	2.05	10.25 pg/l
4401947631	M-75-20171018	10/18/2017	8290	38998-75-3	HpCDF (total)	8.0	JqB	0.30	50	pg/l	J	bl,k,sp	MB contamination; EMPC; < PQL	2.90	14.5 pg/l
4401947631	M-75-20171018	10/18/2017	8290	67562-39-4	1,2,3,4,6,7,8-Heptachlorodibenzofuran	4.2	JB	0.28	50	pg/l	J	bl,sp	MB contamination; < PQL	1.52	7.6 pg/l
4401947631	M-75-20171018	10/18/2017	8290	37871-00-4	HpCDD (total)	2.4	JB	0.27	50	pg/l	J	bl,sp	MB contamination; < PQL	3.53	17.65 pg/l
4401947631	M-75-20171018	10/18/2017	8290	34465-46-8	HxCDD (total)	2.5	JqB	0.64	50	pg/l	J	bl,k,sp	MB contamination; EMPC; < PQL	3.06	15.3 pg/l
4401947631	M-75-20171018	10/18/2017	8290	30402-15-4	PeCDF (total)	2.0	Jq	0.48	50	pg/l	J	k,sp	EMPC; < PQL		
4401947631	M-75-20171018	10/18/2017	8290	55673-89-7	1,2,3,4,7,8,9-Heptachlorodibenzofuran	1.6	JB	0.31	50	pg/l	J	bl,sp	MB contamination; < PQL	1.38	6.9 pg/l
4401947631	M-75-20171018	10/18/2017	8290	57117-41-6	1,2,3,7,8-Pentachlorodibenzofuran	0.55	Jq	0.48	50	pg/l	J	k,sp	EMPC; < PQL		
4401947631	M-75-20171018	10/18/2017	8290	39227-28-6	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	1.8	JB	0.68	50	pg/l	J	bl,sp	MB contamination; < PQL	2.23	11.15 pg/l
4401947631	M-75-20171018	10/18/2017	8290	3268-87-9	Octachlorodibenzo-p-dioxin	4.9	JB	0.49	100	pg/l	J	bl,sp	MB contamination; < PQL	4.39	21.95 pg/l
4401947631	M-75-20171018	10/18/2017	8290	39001-02-0	Octachlorodibenzofuran	11	JB	0.45	100	pg/l	J	bl,sp	MB contamination; < PQL	3.38	16.9 pg/l
4401947712	M-203-20171020	10/20/2017	8290	67562-39-4	1,2,3,4,6,7,8-Heptachlorodibenzofuran	1.7	JB	0.33	50	pg/l	J	bl,sp	MB contamination; < PQL	0.704	3.52 pg/l
4401947712	M-203-20171020	10/20/2017	8290	55673-89-7	1,2,3,4,7,8,9-Heptachlorodibenzofuran	0.58	JqB	0.37	50	pg/l	J	bl,k,sp	MB contamination; EMPC; < PQL	0.681	3.405 pg/l
4401947712	M-203-20171020	10/20/2017	8290	39001-02-0	Octachlorodibenzofuran	5.2	JB	0.53	100	pg/l	J	bl,sp	MB contamination; < PQL	1.26	6.3 pg/l
4401947712	M-203-20171020	10/20/2017	8290	3268-87-9	Octachlorodibenzo-p-dioxin	16	JB	0.88	100	pg/l	J	sp	< PQL		
4401947712	M-203-20171020	10/20/2017	8290	38998-75-3	HpCDF (total)	4.3	JqB	0.35	50	pg/l	J	bl,k,sp	MB contamination; EMPC; < PQL	1.38	6.9 pg/l
4401947712	M-203-20171020	10/20/2017	8290	37871-00-4	HpCDD (total)	3.2	JqB	0.44	50	pg/l	J	bl,k,sp	MB contamination; EMPC; < PQL	2.01	10.05 pg/l
4401947712	M-203-20171020	10/20/2017	8290	30402-14-3	Tetrachlorodibenzofuran	1.7	J	0.60	10	pg/l	J	sp	< PQL		
4401947712	M-203-20171020	10/20/2017	8290	35822-46-9	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	1.6	JqB	0.44	50	pg/l	J	bl,k,sp	MB contamination; EMPC; < PQL	1.10	5.5 pg/l
4401947712	M-203-20171020	10/20/2017	8290	41903-57-5	TCDD (total)	1.1	Jq	0.87	10	pg/l	J	k,sp	EMPC; < PQL		
4401947712	M-5D-20171020	10/20/2017	8290	39227-28-6	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	1.1	JqB	0.49	47	pg/l	J	bl,k,sp	MB contamination; EMPC; < PQL	1.18	5.9 pg/l

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator <sup>1</sup>	Qualification Finding	Acceptance Criteria
4401947712	M-5D-20171020	10/20/2017	8290	67562-39-4	1,2,3,4,6,7,8-Heptachlorodibenzofuran	0.56	JqB	0.21	47	pg/l	J	bl,k,sp	MB contamination; EMPC; < PQL	0.704	3.52 pg/l
4401947712	M-5D-20171020	10/20/2017	8290	34465-46-8	HxCDD (total)	3.9	JqB	0.47	47	pg/l	J	bl,k,sp	MB contamination; EMPC; < PQL	1.18	5.9 pg/l
4401947712	M-5D-20171020	10/20/2017	8290	37871-00-4	HpCDD (total)	1.8	JB	0.32	47	pg/l	J	bl,sp	MB contamination; < PQL	2.01	10.05 pg/l
4401947712	M-5D-20171020	10/20/2017	8290	41903-57-5	TCDD (total)	0.81	Jq	0.81	9.4	pg/l	J	k,sp	EMPC; < PQL		
4401947712	M-5D-20171020	10/20/2017	8290	3268-87-9	Octachlorodibenzo-p-dioxin	4.4	JB	0.63	94	pg/l	J	bl,sp	MB contamination; < PQL	3.12	15.6 pg/l
4401947712	M-5D-20171020	10/20/2017	8290	39001-02-0	Octachlorodibenzofuran	0.77	JqB	0.46	94	pg/l	J	bl,k,sp	MB contamination; EMPC; < PQL	1.26	6.3 pg/l
4401947712	M-5D-20171020	10/20/2017	8290	38998-75-3	HpCDF (total)	0.56	JqB	0.22	47	pg/l	J	bl,k,sp	MB contamination; EMPC; < PQL	1.38	6.9 pg/l
4401947712	M-5D-20171020	10/20/2017	8290	35822-46-9	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	0.76	JB	0.32	47	pg/l	J	bl,sp	MB contamination; < PQL	1.10	5.5 pg/l
4401947712	MW-16-20171020	10/20/2017	8290	37871-00-4	HpCDD (total)	1.9	JB	0.27	47	pg/l	J	bl,sp	MB contamination; < PQL	2.01	10.05 pg/l
4401947712	MW-16-20171020	10/20/2017	8290	35822-46-9	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	0.86	JB	0.27	47	pg/l	J	bl,sp	MB contamination; < PQL	1.10	5.5 pg/l
4401947712	MW-16-20171020	10/20/2017	8290	30402-14-3	Tetrachlorodibenzofuran	1.2	Jq	0.61	9.4	pg/l	J	k,sp	EMPC; < PQL		
4401947712	MW-16-20171020	10/20/2017	8290	34465-46-8	HxCDD (total)	1.5	JB	0.57	47	pg/l	J	bl,sp	MB contamination; < PQL	1.18	5.9 pg/l
4401947712	MW-16-20171020	10/20/2017	8290	39227-28-6	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	1.5	JB	0.60	47	pg/l	J	bl,sp	MB contamination; < PQL	1.18	5.9 pg/l
4401947712	MW-16-20171020	10/20/2017	8290	38998-75-3	HpCDF (total)	1.1	JqB	0.32	47	pg/l	J	bl,k,sp	MB contamination; EMPC; < PQL	1.38	6.9 pg/l
4401947712	MW-16-20171020	10/20/2017	8290	41903-57-5	TCDD (total)	0.97	Jq	0.90	9.4	pg/l	J	k,sp	EMPC; < PQL		
4401947712	MW-16-20171020	10/20/2017	8290	3268-87-9	Octachlorodibenzo-p-dioxin	2.7	JqB	0.51	94	pg/l	J	bl,k,sp	MB contamination; EMPC; < PQL	3.12	15.6 pg/l
4401947712	MW-16-20171020	10/20/2017	8290	39001-02-0	Octachlorodibenzofuran	2.1	JB	0.44	94	pg/l	J	bl,sp	MB contamination; < PQL	1.26	6.3 pg/l
4401947712	MW-16-20171020	10/20/2017	8290	67562-39-4	1,2,3,4,6,7,8-Heptachlorodibenzofuran	1.1	JqB	0.31	47	pg/l	J	bl,k,sp	MB contamination; EMPC; < PQL	0.704	3.52 pg/l
4401954382	M-21D-20171101	11/1/2017	8290	39001-02-0	Octachlorodibenzofuran	1.1	Jq	0.69	95	pg/l	J	k,sp	EMPC; < PQL		
4401954382	M-21D-20171101	11/1/2017	8290	3268-87-9	Octachlorodibenzo-p-dioxin	1.6	JBq	0.97	95	pg/l	J	bl,k,sp	MB contamination; EMPC; < PQL	2.84	14.2 pg/l
4401956032	M-204-20171102	11/2/2017	8290	39001-02-0	Octachlorodibenzofuran	10	J	0.90	95	pg/l	J	sp	< PQL		
4401956032	M-204-20171102	11/2/2017	8290	55684-94-1	HxCDF (total)	2.3	Jq	0.39	48	pg/l	J	k,sp	EMPC; < PQL		
4401956032	M-204-20171102	11/2/2017	8290	57117-44-9	1,2,3,6,7,8-Hexachlorodibenzofuran	0.59	Jq	0.39	48	pg/l	J	k,sp	EMPC; < PQL		
4401956032	M-204-20171102	11/2/2017	8290	38998-75-3	HpCDF (total)	2.6	J	0.67	48	pg/l	J	sp	< PQL		
4401956032	M-204-20171102	11/2/2017	8290	3268-87-9	Octachlorodibenzo-p-dioxin	7.9	JB	1.1	95	pg/l	J	bl,sp	MB contamination; < PQL	2.84	14.2 pg/l
4401956032	M-204-20171102	11/2/2017	8290	70648-26-9	1,2,3,4,7,8-Hexachlorodibenzofuran	1.2	J	0.40	48	pg/l	J	sp	< PQL		
4401956032	M-204-20171102	11/2/2017	8290	72918-21-9	1,2,3,7,8,9-Hexachlorodibenzofuran	0.51	Jq	0.39	48	pg/l	J	k,sp	EMPC; < PQL		
4401956032	M-204-20171102	11/2/2017	8290	67562-39-4	1,2,3,4,6,7,8-Heptachlorodibenzofuran	2.6	J	0.63	48	pg/l	J	sp	< PQL		
4401956032	M-204-20171102	11/2/2017	8290	34465-46-8	HxCDD (total)	0.84	JBq	0.56	48	pg/l	J	bl,k,sp	MB contamination; EMPC; < PQL	1.55	7.75 pg/l
4401956032	M-204-20171102	11/2/2017	8290	37871-00-4	HpCDD (total)	1.3	JBq	0.68	48	pg/l	J	bl,k,sp	MB contamination; EMPC; < PQL	1.15	5.75 pg/l
4401956032	M-204-20171102	11/2/2017	8290	39227-28-6	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	0.84	JBq	0.59	48	pg/l	J	bl,k,sp	MB contamination; EMPC; < PQL	1.55	7.75 pg/l
4401956032	M-204-20171102	11/2/2017	8290	35822-46-9	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	1.3	Jq	0.68	48	pg/l	J	k,sp	EMPC; < PQL		
4401956052	M-216-20171102	11/2/2017	8290	37871-00-4	HpCDD (total)	2.0	JBq	0.71	49	pg/l	J	bl,k,sp	MB contamination; EMPC; < PQL	1.15	5.75 pg/l
4401956052	M-216-20171102	11/2/2017	8290	35822-46-9	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	1.1	Jq	0.71	49	pg/l	J	k,sp	EMPC; < PQL		
4401956052	M-216-20171102	11/2/2017	8290	34465-46-8	HxCDD (total)	1.3	JBq	0.69	49	pg/l	J	bl,k,sp	MB contamination; EMPC; < PQL	1.55	7.75 pg/l
4401956052	M-216-20171102	11/2/2017	8290	39001-02-0	Octachlorodibenzofuran	3.3	Jq	1.3	98	pg/l	J	k,sp	EMPC; < PQL		
4401956052	M-216-20171102	11/2/2017	8290	38998-75-3	HpCDF (total)	1.9	J	0.68	49	pg/l	J	sp	< PQL		
4401956052	M-216-20171102	11/2/2017	8290	39227-28-6	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	1.3	JBq	0.73	49	pg/l	J	bl,k,sp	MB contamination; EMPC; < PQL	1.55	7.75 pg/l
4401956052	M-216-20171102	11/2/2017	8290	67562-39-4	1,2,3,4,6,7,8-Heptachlorodibenzofuran	1.9	J	0.64	49	pg/l	J	sp	< PQL		
4401958172	M-211-20171106	11/6/2017	8290	38998-75-3	HpCDF (total)	10	JB	0.18	49	pg/l	J	sp	< PQL		
4401958172	M-211-20171106	11/6/2017	8290	37871-00-4	HpCDD (total)	2.2	JB	0.19	49	pg/l	J	bl,sp	MB contamination; < PQL	2.03	10.15 pg/l
4401958172	M-211-20171106	11/6/2017	8290	55684-94-1	HxCDF (total)	3.3	JB	0.58	49	pg/l	J	sp	< PQL		
4401958172	M-211-20171106	11/6/2017	8290	70648-26-9	1,2,3,4,7,8-Hexachlorodibenzofuran	2.1	J	0.59	49	pg/l	J	sp	< PQL		
4401958172	M-211-20171106	11/6/2017	8290	30402-14-3	Tetrachlorodibenzofuran	5.0	Jq	0.36	9.8	pg/l	J	k,sp	EMPC; < PQL		
4401958172	M-211-20171106	11/6/2017	8290	35822-46-9	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	1.0	JB	0.19	49	pg/l	J	bl,sp	MB contamination; < PQL	1.16	5.8 pg/l
4401958172	M-211-20171106	11/6/2017	8290	67562-39-4	1,2,3,4,6,7,8-Heptachlorodibenzofuran	5.4	JB	0.17	49	pg/l	J	sp	< PQL		
4401958172	M-211-20171106	11/6/2017	8290	34465-46-8	HxCDD (total)	1.2	JB	0.48	49	pg/l	J	bl,sp	MB contamination; < PQL	1.29	6.45 pg/l
4401958172	M-211-20171106	11/6/2017	8290	51207-31-9	2,3,7,8-Tetrachlorodibenzofuran	1.2	J	0.36	9.8	pg/l	J	sp	< PQL		
4401958172	M-211-20171106	11/6/2017	8290	3268-87-9	Octachlorodibenzo-p-dioxin	5.4	JBq	0.40	98	pg/l	J	bl,k,sp	MB contamination; EMPC; < PQL	11.8	59 pg/l
4401958172	M-211-20171106	11/6/2017	8290	57117-41-6	1,2,3,7,8-Pentachlorodibenzofuran	1.0	J	0.39	49	pg/l	J	sp	< PQL		
4401958172	M-211-20171106	11/6/2017	8290	57117-44-9	1,2,3,6,7,8-Hexachlorodibenzofuran	1.2	J	0.56	49	pg/l	J	sp	< PQL		
4401958172	M-211-20171106	11/6/2017	8290	55673-89-7	1,2,3,4,7,8,9-Heptachlorodibenzofuran	2.1	JB	0.19	49	pg/l	J	bl,sp	MB contamination; < PQL	0.716	3.58 pg/l
4401958172	M-211-20171106	11/6/2017	8290	39227-28-6	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	1.2	JB	0.51	49	pg/l	J	bl,sp	MB contamination; < PQL	1.29	6.45 pg/l
4401958172	M-211-20171106	11/6/2017	8290	30402-15-4	PeCDF (total)	6.7	J	0.39	49	pg/l	J	sp	< PQL		
4401958172	M-211-20171106	11/6/2017	8290	39001-02-0	Octachlorodibenzofuran	13	JB	0.29	98	pg/l	J	sp	< PQL		

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator <sup>1</sup>	Qualification Finding	Acceptance Criteria
4401884901	M-195-100.0-20170717-EB	7/17/2017	6010B	7440-47-3	Chromium (total)	2.9	J	2.5	5.0	ug/l	J	sp	< PQL		
4401888811	RI-6-20.0-20170724	7/24/2017	6010B	7440-39-3	Barium	120	F1	0.98	2.0	mg/kg	J-	m	MS/MSD %R	71,59	75-125 %
4401888811	RI-6-20.0-20170724	7/24/2017	6010B	7440-33-7	Tungsten		UF1	3.3	13	mg/kg	UJ	m	MS/MSD %R	48,44	75-125 %
4401888811	RI-6-30.0-20170724	7/24/2017	6010B	7440-33-7	Tungsten		U	4.1	16	mg/kg	UJ	m	MS/MSD %R	48,44	75-125 %
4401888811	RI-6-30.0-20170724	7/24/2017	6010B	7440-39-3	Barium	62		1.2	2.4	mg/kg	J-	m	MS/MSD %R	71,59	75-125 %
4401889421	RI-6-120.0-20170725-EB	7/25/2017	6010B	7440-47-3	Chromium (total)	2.5	J	2.5	5.0	ug/l	J	sp	< PQL		
4401889421	RI-6-130.0-20170725-EB	7/25/2017	6010B	7440-47-3	Chromium (total)	2.5	J	2.5	5.0	ug/l	J	sp	< PQL		
4401889421	RI-6-90.0-20170725	7/25/2017	6010B	7440-47-3	Chromium (total)	61		0.75	1.5	mg/kg	J	fd	FD RPD	65	50 %
4401889421	RI-6-90.0-20170725-FD	7/25/2017	6010B	7440-47-3	Chromium (total)	120		0.78	1.6	mg/kg	J	fd	FD RPD	65	50 %
4401890601	RI-14-10.0-20170726	7/26/2017	6010B	7440-33-7	Tungsten		U	2.7	11	mg/kg	UJ	m	MS/MSD %R	65,67	75-125 %
4401890601	RI-14-10.0-20170726	7/26/2017	6010B	7439-89-6	Iron	24000	B	7.4	11	mg/kg	J	sd	Serial dilution %D	21	10 %
4401890601	RI-14-10.0-20170726	7/26/2017	6010B	7439-96-5	Manganese	620		1.1	2.1	mg/kg	J	sd	Serial dilution %D	24	10 %
4401890601	RI-14-10.0-20170726	7/26/2017	6010B	7440-24-6	Strontium	250		2.7	5.3	mg/kg	J+	m	MS/MSD %R	129,-	75-125 %
4401890601	RI-14-10.0-20170726	7/26/2017	7471A	7439-97-6	Mercury	0.019	J	0.013	0.021	mg/kg	J	sp	< PQL		
4401890601	RI-14-20.0-20170726	7/26/2017	6010B	7439-89-6	Iron	20000	B	7.8	11	mg/kg	J	sd	Serial dilution %D	21	10 %
4401890601	RI-14-20.0-20170726	7/26/2017	6010B	7440-33-7	Tungsten		U	2.8	11	mg/kg	UJ	m	MS/MSD %R	65,67	75-125 %
4401890601	RI-14-20.0-20170726	7/26/2017	6010B	7440-24-6	Strontium	430		2.8	5.7	mg/kg	J+	m	MS/MSD %R	129,-	75-125 %
4401890601	RI-14-20.0-20170726	7/26/2017	6010B	7439-96-5	Manganese	300		1.1	2.3	mg/kg	J	sd	Serial dilution %D	24	10 %
4401890601	RI-14-30.0-20170726	7/26/2017	6010B	7439-89-6	Iron	10000	B	7.4	11	mg/kg	J	sd	Serial dilution %D	21	10 %
4401890601	RI-14-30.0-20170726	7/26/2017	6010B	7439-96-5	Manganese	160		1.1	2.1	mg/kg	J	sd	Serial dilution %D	24	10 %
4401890601	RI-14-30.0-20170726	7/26/2017	6010B	7440-24-6	Strontium	560		2.7	5.3	mg/kg	J+	m	MS/MSD %R	129,-	75-125 %
4401890601	RI-14-30.0-20170726	7/26/2017	6010B	7440-33-7	Tungsten		U	2.7	11	mg/kg	UJ	m	MS/MSD %R	65,67	75-125 %
4401890601	RI-14-5.0-20170726	7/26/2017	6010B	7440-24-6	Strontium	210	F1	2.7	5.4	mg/kg	J+	m	MS/MSD %R	129,-	75-125 %
4401890601	RI-14-5.0-20170726	7/26/2017	6010B	7439-96-5	Manganese	490		1.1	2.1	mg/kg	J	sd	Serial dilution %D	24	10 %
4401890601	RI-14-5.0-20170726	7/26/2017	6010B	7440-33-7	Tungsten		UF1	2.7	11	mg/kg	UJ	m	MS/MSD %R	65,67	75-125 %
4401890601	RI-14-5.0-20170726	7/26/2017	6010B	7439-89-6	Iron	20000	B	7.4	11	mg/kg	J	sd	Serial dilution %D	21	10 %
4401890601	RI-14-5.0-20170726	7/26/2017	7471A	7439-97-6	Mercury	0.014	J	0.013	0.022	mg/kg	J	sp	< PQL		
4401890601	RI-14-50.0-20170726-EB	7/26/2017	6010B	7440-47-3	Chromium (total)	2.7	J	2.5	5.0	ug/l	J	sp	< PQL		
4401890603	RI-14-10.0-20170726	7/26/2017	6020A	7440-36-0	Antimony		U	0.52	1.3	mg/kg	UJ	m	MS/MSD %R	-,68	75-125 %
4401890603	RI-14-20.0-20170726	7/26/2017	6020A	7440-36-0	Antimony		U	0.49	1.2	mg/kg	UJ	m	MS/MSD %R	-,68	75-125 %
4401890603	RI-14-30.0-20170726	7/26/2017	6020A	7440-36-0	Antimony		U	0.50	1.2	mg/kg	UJ	m	MS/MSD %R	-,68	75-125 %
4401890603	RI-14-5.0-20170726	7/26/2017	6020A	7440-36-0	Antimony		U	0.51	1.3	mg/kg	UJ	m	MS/MSD %R	-,68	75-125 %
4401892231	RI-15-10.0-20170728	7/28/2017	6010B	7440-33-7	Tungsten		U	2.6	10	mg/kg	UJ	m	MS/MSD %R	74,-	75-125 %
4401892231	RI-15-10.0-20170728	7/28/2017	6010B	7440-39-3	Barium	170		0.77	1.5	mg/kg	J-	m	MS/MSD %R	41,24	75-125 %
4401892231	RI-15-10.0-20170728	7/28/2017	6010B	7723-14-0	Phosphorus (total)	1300		2.6	5.1	mg/kg	J	sd	Serial dilution %D	21	10 %
4401892231	RI-15-10.0-20170728	7/28/2017	6010B	7440-24-6	Strontium	160		2.6	5.1	mg/kg	J	ld,sd	MS/MSD RPD; Serial dilution %D	23; 21	20; 10 %
4401892231	RI-15-10.0-20170728	7/28/2017	6010B	7439-98-7	Molybdenum	1.4	J	1.0	2.1	mg/kg	J	sp	< PQL		
4401892231	RI-15-20.0-20170728	7/28/2017	6010B	7440-39-3	Barium	170		0.82	1.6	mg/kg	J-	m	MS/MSD %R	41,24	75-125 %
4401892231	RI-15-20.0-20170728	7/28/2017	6010B	7440-33-7	Tungsten		U	2.7	11	mg/kg	UJ	m	MS/MSD %R	74,-	75-125 %
4401892231	RI-15-20.0-20170728	7/28/2017	6010B	7723-14-0	Phosphorus (total)	1200		2.7	5.5	mg/kg	J	sd	Serial dilution %D	21	10 %
4401892231	RI-15-20.0-20170728	7/28/2017	6010B	7440-24-6	Strontium	280		2.7	5.5	mg/kg	J	ld,sd	MS/MSD RPD; Serial dilution %D	23; 21	20; 10 %
4401892231	RI-15-5.0-20170728	7/28/2017	6010B	7440-33-7	Tungsten		U	2.6	11	mg/kg	UJ	m	MS/MSD %R	74,-	75-125 %
4401892231	RI-15-5.0-20170728	7/28/2017	6010B	7723-14-0	Phosphorus (total)	1300		2.6	5.3	mg/kg	J	sd	Serial dilution %D	21	10 %
4401892231	RI-15-5.0-20170728	7/28/2017	6010B	7440-24-6	Strontium	150		2.6	5.3	mg/kg	J	ld,sd	MS/MSD RPD; Serial dilution %D	23; 21	20; 10 %
4401892231	RI-15-5.0-20170728	7/28/2017	6010B	7439-98-7	Molybdenum	1.7	J	1.1	2.1	mg/kg	J	sp	< PQL		
4401892231	RI-15-5.0-20170728	7/28/2017	6010B	7440-39-3	Barium	170		0.79	1.6	mg/kg	J-	m	MS/MSD %R	41,24	75-125 %
4401892233	RI-15-10.0-20170728	7/28/2017	6020A	7440-36-0	Antimony		U	0.47	1.2	mg/kg	UJ	m	MS/MSD %R	-,68	75-125 %
4401892233	RI-15-20.0-20170728	7/28/2017	6020A	7440-36-0	Antimony		U	0.52	1.3	mg/kg	UJ	m	MS/MSD %R	-,68	75-125 %
4401892233	RI-15-5.0-20170728	7/28/2017	6020A	7440-36-0	Antimony		U	0.45	1.1	mg/kg	UJ	m	MS/MSD %R	-,68	75-125 %
4401892601	RI-15-30.0-20170730	7/30/2017	6010B	7440-24-6	Strontium	350	F2	2.6	5.3	mg/kg	J	ld,sd	MS/MSD RPD; Serial dilution %D	23; 21	20; 10 %
4401892601	RI-15-30.0-20170730	7/30/2017	6010B	7723-14-0	Phosphorus (total)	1200		2.6	5.3	mg/kg	J	sd	Serial dilution %D	21	10 %
4401892601	RI-15-30.0-20170730	7/30/2017	6010B	7440-33-7	Tungsten		UF1	2.6	11	mg/kg	UJ	m	MS/MSD %R	74,-	75-125 %
4401892601	RI-15-30.0-20170730	7/30/2017	6010B	7440-39-3	Barium	160	F1	0.79	1.6	mg/kg	J-	m	MS/MSD %R	41,24	75-125 %
4401892603	RI-15-30.0-20170730	7/30/2017	6020A	7440-36-0	Antimony		UF1	0.48	1.2	mg/kg	UJ	m	MS/MSD %R	-,63	75-125 %
4401892891	RI-15-110.0-20170731-EB	7/31/2017	6010B	7440-47-3	Chromium (total)	4.2	J	2.5	5.0	ug/l	J	sp	< PQL		

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator <sup>1</sup>	Qualification Finding	Acceptance Criteria
4401901531	PCDB-11-10.0-20170811	8/11/2017	6010B	7440-47-3	Chromium (total)	17		0.53	1.1	mg/kg	J+	m	MS/MSD %R	-,128	75-125 %
4401901531	PCDB-11-10.0-20170811-FD	8/11/2017	6010B	7440-47-3	Chromium (total)	21		0.52	1.0	mg/kg	J+	m	MS/MSD %R	-,128	75-125 %
4401901531	PCDB-11-20.0-20170811	8/11/2017	6010B	7440-47-3	Chromium (total)	23	F1	0.52	1.0	mg/kg	J+	m	MS/MSD %R	-,128	75-125 %
4401901531	PCDB-11-30.0-20170811	8/11/2017	6010B	7440-47-3	Chromium (total)	17		0.60	1.2	mg/kg	J+	m	MS/MSD %R	-,128	75-125 %
4401901531	PCDB-11-40.0-20170811	8/11/2017	6010B	7440-47-3	Chromium (total)	19		0.58	1.2	mg/kg	J+	m	MS/MSD %R	-,128	75-125 %
4401901531	PCDB-11-40.0-20170811-FD	8/11/2017	6010B	7440-47-3	Chromium (total)	21		0.59	1.2	mg/kg	J+	m	MS/MSD %R	-,128	75-125 %
4401901531	PCDB-11-5.0-20170811	8/11/2017	6010B	7440-47-3	Chromium (total)	14		0.52	1.0	mg/kg	J+	m	MS/MSD %R	-,128	75-125 %
4401901531	PCDB-11-50.0-20170811	8/11/2017	6010B	7440-47-3	Chromium (total)	22		0.60	1.2	mg/kg	J+	m	MS/MSD %R	-,128	75-125 %
4401901531	PCDB-11-60.0-20170811	8/11/2017	6010B	7440-47-3	Chromium (total)	18		0.60	1.2	mg/kg	J+	m	MS/MSD %R	-,128	75-125 %
4401901531	PCDB-11-70.0-20170811	8/11/2017	6010B	7440-47-3	Chromium (total)	20		0.60	1.2	mg/kg	J+	m	MS/MSD %R	-,128	75-125 %
4401901531	PCDB-11-80.0-20170811	8/11/2017	6010B	7440-47-3	Chromium (total)	26		0.62	1.2	mg/kg	J+	m	MS/MSD %R	-,128	75-125 %
4401901531	PCDB-11-80.0-20170811-FD	8/11/2017	6010B	7440-47-3	Chromium (total)	24		0.66	1.3	mg/kg	J+	m	MS/MSD %R	-,128	75-125 %
4401901531	PCDB-11-90.0-20170811	8/11/2017	6010B	7440-47-3	Chromium (total)	30		0.77	1.5	mg/kg	J+	m	MS/MSD %R	-,128	75-125 %
4401901811	PCDB-10-10.0-20170812	8/12/2017	6010B	7440-47-3	Chromium (total)	21		0.53	1.1	mg/kg	J+	m	MS/MSD %R	140,137	75-125 %
4401901811	PCDB-10-10.0-20170812-FD	8/12/2017	6010B	7440-47-3	Chromium (total)	19		0.53	1.1	mg/kg	J+	m	MS/MSD %R	140,137	75-125 %
4401901811	PCDB-10-20.0-20170812	8/12/2017	6010B	7440-47-3	Chromium (total)	17		0.53	1.1	mg/kg	J+	m	MS/MSD %R	140,137	75-125 %
4401901811	PCDB-10-30.0-20170812	8/12/2017	6010B	7440-47-3	Chromium (total)	31		0.63	1.3	mg/kg	J+	m	MS/MSD %R	140,137	75-125 %
4401901811	PCDB-10-40.0-20170812	8/12/2017	6010B	7440-47-3	Chromium (total)	29		0.73	1.5	mg/kg	J+	m	MS/MSD %R	140,137	75-125 %
4401901811	PCDB-10-40.0-20170812-FD	8/12/2017	6010B	7440-47-3	Chromium (total)	27		0.67	1.3	mg/kg	J+	m	MS/MSD %R	140,137	75-125 %
4401901811	PCDB-10-5.0-20170812	8/12/2017	6010B	7440-47-3	Chromium (total)	18		0.52	1.0	mg/kg	J+	m	MS/MSD %R	140,137	75-125 %
4401901811	PCDB-10-50.0-20170812	8/12/2017	6010B	7440-47-3	Chromium (total)	46		0.66	1.3	mg/kg	J+	m	MS/MSD %R	140,137	75-125 %
4401901811	PCDB-10-60.0-20170812	8/12/2017	6010B	7440-47-3	Chromium (total)	36		0.69	1.4	mg/kg	J+	m	MS/MSD %R	140,137	75-125 %
4401901811	PCDB-10-70.0-20170813	8/13/2017	6010B	7440-47-3	Chromium (total)	30		0.73	1.5	mg/kg	J+	m	MS/MSD %R	140,137	75-125 %
4401901811	PCDB-10-70.0-20170813-FD	8/13/2017	6010B	7440-47-3	Chromium (total)	23		0.61	1.2	mg/kg	J+	m	MS/MSD %R	140,137	75-125 %
4401901811	PCDB-10-80.0-20170813	8/13/2017	6010B	7440-47-3	Chromium (total)	33	F1	0.84	1.7	mg/kg	J+	m	MS/MSD %R	140,137	75-125 %
4401906751	PC-40-20170821	8/21/2017	200.7	7440-47-3	Chromium (total)		UHF	0.0025	0.0050	mg/l	UJ	h	Filter holding time	240	48 hours
4401909491	M-156-20170824	8/24/2017	200.7	7440-47-3	Chromium (total)	0.0027	J	0.0025	0.0050	mg/l	J	sp	< PQL		
4401909881	PC-40-20170825	8/25/2017	200.7	7440-47-3	Chromium (total)	0.0033	J	0.0025	0.0050	mg/l	J	sp	< PQL		
4401914941	M-238-20170905	9/5/2017	200.7	7440-62-2	Vanadium	0.0097	J	0.0050	0.010	mg/l	J	sp	< PQL		
4401915841	M-236-20170906	9/6/2017	200.7	7439-96-5	Manganese	0.019	J	0.015	0.020	mg/l	J	sp	< PQL		
4401915841	M-236-20170906-FD	9/6/2017	200.7	7439-96-5	Manganese	0.019	J	0.015	0.020	mg/l	J	sp	< PQL		
4401919071	PC-170-20170911	9/11/2017	200.7	7439-89-6	Iron	0.058	J	0.050	0.10	mg/l	J	sp	< PQL		
4401922531	PC-169-20170914	9/14/2017	200.7	7440-62-2	Vanadium	0.0076	J	0.0050	0.010	mg/l	J	sp	< PQL		
4401923381	PC-175-20170915	9/15/2017	200.7	7429-90-5	Aluminum	0.34	J	0.25	0.50	mg/l	J	sp	< PQL		
4401923381	PC-175-20170915	9/15/2017	200.7	7439-96-5	Manganese	0.076	J	0.075	0.10	mg/l	J	sp	< PQL		
4401928971	PC-177-20170925	9/25/2017	200.7	7440-62-2	Vanadium	0.0084	J	0.0050	0.010	mg/l	J	sp	< PQL		
4401930601	M-226-20170927	9/27/2017	200.7	7440-62-2	Vanadium	0.0076	J	0.0050	0.010	mg/l	J	sp	< PQL		
4401932261	PC-165-20170929-FB	9/29/2017	200.7	7440-23-5	Sodium	0.37	J	0.26	0.50	mg/l	J	sp	< PQL		
4401938701	PC-189-20171009	10/9/2017	200.7	7439-96-5	Manganese	0.015	J	0.015	0.020	mg/l	J	sp	< PQL		
4401939881	PC-195-20171010	10/10/2017	200.7	7440-62-2	Vanadium	0.0072	J	0.0050	0.010	mg/l	J	sp	< PQL		
4401941071	M-225-20171011	10/11/2017	200.7	7440-62-2	Vanadium	0.0087	J	0.0050	0.010	mg/l	J	sp	< PQL		
4401941071	M-225-20171011	10/11/2017	200.7	7439-96-5	Manganese	0.015	J	0.015	0.020	mg/l	J	sp	< PQL		
4401941071	PC-178-20171011	10/11/2017	200.7	7440-62-2	Vanadium	0.0062	J	0.0050	0.010	mg/l	J	sp	< PQL		
4401941071	PC-178-20171011-FD	10/11/2017	200.7	7440-62-2	Vanadium	0.0064	J	0.0050	0.010	mg/l	J	sp	< PQL		
4401941941	M-196-20171012	10/12/2017	6020A	7440-61-1	Uranium-238	4.4	J	2.0	5.0	ug/l	J	sp	< PQL		
4401941941	M-199-20171012	10/12/2017	6020A	7440-61-1	Uranium-238	14	J	10	25	ug/l	J	sp	< PQL		
4401942191	M-198-20171012	10/12/2017	200.7	7439-96-5	Manganese	0.016	J	0.015	0.020	mg/l	J	sp	< PQL		
4401942191	M-199-20171012	10/12/2017	200.7	7439-96-5	Manganese	0.075	J	0.075	0.10	mg/l	J	sp	< PQL		
4401942191	M-200-20171012	10/12/2017	200.7	7440-62-2	Vanadium	0.0053	J	0.0050	0.010	mg/l	J	sp	< PQL		
4401943011	M-216-20171013	10/13/2017	200.7	7439-96-5	Manganese	0.016	J	0.015	0.020	mg/l	J	sp	< PQL		
4401943011	M-217-20171013	10/13/2017	200.7	7440-62-2	Vanadium	0.0066	J	0.0050	0.010	mg/l	J	sp	< PQL		
4401944041	M-239-20171016	10/16/2017	200.7	7439-96-5	Manganese	0.018	J	0.015	0.020	mg/l	J	sp	< PQL		
4401944041	M-240-20171016	10/16/2017	200.7	7429-90-5	Aluminum	0.084	J	0.050	0.10	mg/l	J	sp	< PQL		
4401944721	M-22D-20171017	10/17/2017	200.7	7440-62-2	Vanadium	0.0073	J	0.0050	0.010	mg/l	J	sp	< PQL		
4401944721	M-65D-20171017	10/17/2017	200.7	7440-62-2	Vanadium	0.0091	J	0.0050	0.010	mg/l	J	sp	< PQL		

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator <sup>1</sup>	Qualification Finding	Acceptance Criteria
4401944741	M-214-20171017-EB	10/17/2017	200.7	7440-09-7	Potassium	0.28	J	0.25	0.50	mg/l	J	sp	< PQL		
4401945691	M-140D-20171018	10/18/2017	200.7	7440-62-2	Vanadium	0.0095	J	0.0050	0.010	mg/l	J	ld,sp	MS/MSD RPD; < PQL	23	20 %
4401945691	M-140D-20171018	10/18/2017	200.7	7440-42-8	Boron	1.1		0.025	0.050	mg/l	J	ld	MS/MSD RPD	25	20 %
4401945691	M-140D-20171018	10/18/2017	200.7	7440-67-7	Zirconium		U	0.050	0.10	mg/l	UJ	ld	MS/MSD RPD	26	20 %
4401945691	M-140D-20171018	10/18/2017	200.7	7439-92-1	Lead		U	0.0038	0.0050	mg/l	UJ	ld	MS/MSD RPD	23	20 %
4401945691	M-140D-20171018	10/18/2017	200.7	7440-47-3	Chromium (total)	0.24		0.0025	0.0050	mg/l	J	ld	MS/MSD RPD	25	20 %
4401945691	M-140D-20171018	10/18/2017	200.7	7429-90-5	Aluminum		U	0.050	0.10	mg/l	UJ	ld	MS/MSD RPD	22	20 %
4401945691	M-140D-20171018	10/18/2017	200.7	7439-96-5	Manganese		U	0.015	0.020	mg/l	UJ	ld	MS/MSD RPD	23	20 %
4401945691	M-14D-20171018	10/18/2017	200.7	7439-92-1	Lead		U	0.0038	0.0050	mg/l	UJ	ld	MS/MSD RPD	23	20 %
4401945691	M-14D-20171018	10/18/2017	200.7	7439-96-5	Manganese		U	0.015	0.020	mg/l	UJ	ld	MS/MSD RPD	23	20 %
4401945691	M-14D-20171018	10/18/2017	200.7	7440-47-3	Chromium (total)	0.045		0.0025	0.0050	mg/l	J	ld	MS/MSD RPD	25	20 %
4401945691	M-14D-20171018	10/18/2017	200.7	7440-42-8	Boron	2.3		0.025	0.050	mg/l	J	ld	MS/MSD RPD	25	20 %
4401945691	M-14D-20171018	10/18/2017	200.7	7440-62-2	Vanadium	0.013		0.0050	0.010	mg/l	J	ld	MS/MSD RPD	23	20 %
4401945691	M-14D-20171018	10/18/2017	200.7	7440-67-7	Zirconium		U	0.050	0.10	mg/l	UJ	ld	MS/MSD RPD	26	20 %
4401945691	M-14D-20171018	10/18/2017	200.7	7429-90-5	Aluminum		U	0.050	0.10	mg/l	UJ	ld	MS/MSD RPD	22	20 %
4401945691	M-36D-20171018	10/18/2017	200.7	7439-96-5	Manganese		UF2	0.075	0.10	mg/l	UJ	ld	MS/MSD RPD	23	20 %
4401945691	M-36D-20171018	10/18/2017	200.7	7439-92-1	Lead		UF2	0.019	0.025	mg/l	UJ	ld	MS/MSD RPD	23	20 %
4401945691	M-36D-20171018	10/18/2017	200.7	7440-67-7	Zirconium		UF2	0.25	0.50	mg/l	UJ	ld	MS/MSD RPD	26	20 %
4401945691	M-36D-20171018	10/18/2017	200.7	7440-42-8	Boron	5.8	F2	0.13	0.25	mg/l	J	ld	MS/MSD RPD	25	20 %
4401945691	M-36D-20171018	10/18/2017	200.7	7440-62-2	Vanadium		UF2	0.025	0.050	mg/l	UJ	ld	MS/MSD RPD	23	20 %
4401945691	M-36D-20171018	10/18/2017	200.7	7440-47-3	Chromium (total)	23	F2	0.013	0.025	mg/l	J	ld	MS/MSD RPD	25	20 %
4401945691	M-36D-20171018	10/18/2017	200.7	7429-90-5	Aluminum		UF2F1	0.25	0.50	mg/l	UJ	ld	MS/MSD RPD	22	20 %
4401945691	M-36D-20171018	10/18/2017	6020A	7440-61-1	Uranium-238	21	J	10	25	ug/l	J	sp	< PQL		
4401945691	M-72D-20171018	10/18/2017	200.7	7440-67-7	Zirconium		U	0.050	0.10	mg/l	UJ	ld	MS/MSD RPD	26	20 %
4401945691	M-72D-20171018	10/18/2017	200.7	7440-62-2	Vanadium	0.0062	J	0.0050	0.010	mg/l	J	ld,sp	MS/MSD RPD; < PQL	23	20 %
4401945691	M-72D-20171018	10/18/2017	200.7	7440-42-8	Boron	1.1		0.025	0.050	mg/l	J	ld	MS/MSD RPD	25	20 %
4401945691	M-72D-20171018	10/18/2017	200.7	7429-90-5	Aluminum		U	0.050	0.10	mg/l	UJ	ld	MS/MSD RPD	22	20 %
4401945691	M-72D-20171018	10/18/2017	200.7	7439-96-5	Manganese		U	0.015	0.020	mg/l	UJ	ld	MS/MSD RPD	23	20 %
4401945691	M-72D-20171018	10/18/2017	200.7	7440-47-3	Chromium (total)	1.3		0.0025	0.0050	mg/l	J	ld	MS/MSD RPD	25	20 %
4401945691	M-72D-20171018	10/18/2017	200.7	7439-92-1	Lead		U	0.0038	0.0050	mg/l	UJ	ld	MS/MSD RPD	23	20 %
4401946971	M-228-20171019	10/19/2017	200.7	7440-67-7	Zirconium		U	0.050	0.10	mg/l	UJ	ld	MS/MSD RPD	26	20 %
4401946971	M-228-20171019	10/19/2017	200.7	7439-96-5	Manganese		U	0.015	0.020	mg/l	UJ	ld	MS/MSD RPD	23	20 %
4401946971	M-228-20171019	10/19/2017	200.7	7440-47-3	Chromium (total)	0.0080		0.0025	0.0050	mg/l	J	ld	MS/MSD RPD	25	20 %
4401946971	M-228-20171019	10/19/2017	200.7	7429-90-5	Aluminum		U	0.050	0.10	mg/l	UJ	ld	MS/MSD RPD	22	20 %
4401946971	M-228-20171019	10/19/2017	200.7	7439-92-1	Lead		U	0.0038	0.0050	mg/l	UJ	ld	MS/MSD RPD	23	20 %
4401946971	M-228-20171019	10/19/2017	200.7	7440-62-2	Vanadium	0.0098	J	0.0050	0.010	mg/l	J	ld,sp	MS/MSD RPD; < PQL	23	20 %
4401946971	M-228-20171019	10/19/2017	200.7	7440-42-8	Boron	0.86		0.025	0.050	mg/l	J	ld	MS/MSD RPD	25	20 %
4401947001	PC-155A-20171019	10/19/2017	200.7	7439-96-5	Manganese	1.4		0.015	0.020	mg/l	J	ld	MS/MSD RPD	23	20 %
4401947001	PC-155A-20171019	10/19/2017	200.7	7439-92-1	Lead		U	0.0038	0.0050	mg/l	UJ	ld	MS/MSD RPD	23	20 %
4401947001	PC-155A-20171019	10/19/2017	200.7	7440-67-7	Zirconium		U	0.050	0.10	mg/l	UJ	ld	MS/MSD RPD	26	20 %
4401947001	PC-155A-20171019	10/19/2017	200.7	7440-62-2	Vanadium	0.022		0.0050	0.010	mg/l	J	ld	MS/MSD RPD	23	20 %
4401947001	PC-155A-20171019	10/19/2017	200.7	7440-42-8	Boron	1.9		0.025	0.050	mg/l	J	ld	MS/MSD RPD	25	20 %
4401947001	PC-155A-20171019	10/19/2017	200.7	7440-47-3	Chromium (total)		U	0.0025	0.0050	mg/l	UJ	ld	MS/MSD RPD	25	20 %
4401947001	PC-155A-20171019	10/19/2017	200.7	7429-90-5	Aluminum	0.058	J	0.050	0.10	mg/l	J	m,ld,sp	MS/MSD %R, RPD; < PQL	147,-; 22	20; 70-130 %
4401947001	PC-155A-20171019-FD	10/19/2017	200.7	7440-62-2	Vanadium	0.020		0.0050	0.010	mg/l	J	ld	MS/MSD RPD	23	20 %
4401947001	PC-155A-20171019-FD	10/19/2017	200.7	7440-42-8	Boron	1.8		0.025	0.050	mg/l	J	ld	MS/MSD RPD	25	20 %
4401947001	PC-155A-20171019-FD	10/19/2017	200.7	7440-67-7	Zirconium		U	0.050	0.10	mg/l	UJ	ld	MS/MSD RPD	26	20 %
4401947001	PC-155A-20171019-FD	10/19/2017	200.7	7439-92-1	Lead		U	0.0038	0.0050	mg/l	UJ	ld	MS/MSD RPD	23	20 %
4401947001	PC-155A-20171019-FD	10/19/2017	200.7	7439-96-5	Manganese	1.4		0.015	0.020	mg/l	J	ld	MS/MSD RPD	23	20 %
4401947001	PC-155A-20171019-FD	10/19/2017	200.7	7440-47-3	Chromium (total)		U	0.0025	0.0050	mg/l	UJ	ld	MS/MSD RPD	25	20 %
4401947001	PC-155A-20171019-FD	10/19/2017	200.7	7429-90-5	Aluminum	0.056	J	0.050	0.10	mg/l	J	m,ld,sp	MS/MSD %R, RPD; < PQL	147,-; 22	20; 70-130 %
4401947001	PC-155B-20171019	10/19/2017	200.7	7440-67-7	Zirconium		U	0.050	0.10	mg/l	UJ	ld	MS/MSD RPD	26	20 %
4401947001	PC-155B-20171019	10/19/2017	200.7	7440-62-2	Vanadium	0.022		0.0050	0.010	mg/l	J	ld	MS/MSD RPD	23	20 %
4401947001	PC-155B-20171019	10/19/2017	200.7	7439-92-1	Lead		U	0.0038	0.0050	mg/l	UJ	ld	MS/MSD RPD	23	20 %
4401947001	PC-155B-20171019	10/19/2017	200.7	7429-90-5	Aluminum		U	0.050	0.10	mg/l	UJ	ld	MS/MSD RPD	22	20 %

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator <sup>1</sup>	Qualification Finding	Acceptance Criteria
4401947001	PC-155B-20171019	10/19/2017	200.7	7439-96-5	Manganese	1.4		0.015	0.020	mg/l	J	ld	MS/MSD RPD	23	20 %
4401947001	PC-155B-20171019	10/19/2017	200.7	7440-47-3	Chromium (total)		U	0.0025	0.0050	mg/l	UJ	ld	MS/MSD RPD	25	20 %
4401947001	PC-155B-20171019	10/19/2017	200.7	7440-42-8	Boron	1.9		0.025	0.050	mg/l	J	ld	MS/MSD RPD	25	20 %
4401947001	PC-156A-20171019	10/19/2017	200.7	7440-42-8	Boron	0.91		0.025	0.050	mg/l	J	ld	MS/MSD RPD	25	20 %
4401947001	PC-156A-20171019	10/19/2017	200.7	7440-62-2	Vanadium	0.087		0.0050	0.010	mg/l	J	ld	MS/MSD RPD	23	20 %
4401947001	PC-156A-20171019	10/19/2017	200.7	7440-67-7	Zirconium		U	0.050	0.10	mg/l	UJ	ld	MS/MSD RPD	26	20 %
4401947001	PC-156A-20171019	10/19/2017	200.7	7439-92-1	Lead		U	0.0038	0.0050	mg/l	UJ	ld	MS/MSD RPD	23	20 %
4401947001	PC-156A-20171019	10/19/2017	200.7	7439-96-5	Manganese	0.56		0.015	0.020	mg/l	J	ld	MS/MSD RPD	23	20 %
4401947001	PC-156A-20171019	10/19/2017	200.7	7429-90-5	Aluminum		U	0.050	0.10	mg/l	UJ	ld	MS/MSD RPD	22	20 %
4401947001	PC-156A-20171019	10/19/2017	200.7	7440-47-3	Chromium (total)		U	0.0025	0.0050	mg/l	UJ	ld	MS/MSD RPD	25	20 %
4401947001	PC-156B-20171019	10/19/2017	200.7	7440-42-8	Boron	0.92		0.025	0.050	mg/l	J	ld	MS/MSD RPD	25	20 %
4401947001	PC-156B-20171019	10/19/2017	200.7	7440-67-7	Zirconium		U	0.050	0.10	mg/l	UJ	ld	MS/MSD RPD	26	20 %
4401947001	PC-156B-20171019	10/19/2017	200.7	7439-92-1	Lead		U	0.0038	0.0050	mg/l	UJ	ld	MS/MSD RPD	23	20 %
4401947001	PC-156B-20171019	10/19/2017	200.7	7439-96-5	Manganese	0.61		0.015	0.020	mg/l	J	ld	MS/MSD RPD	23	20 %
4401947001	PC-156B-20171019	10/19/2017	200.7	7429-90-5	Aluminum		U	0.050	0.10	mg/l	UJ	ld	MS/MSD RPD	22	20 %
4401947001	PC-156B-20171019	10/19/2017	200.7	7440-47-3	Chromium (total)		U	0.0025	0.0050	mg/l	UJ	ld	MS/MSD RPD	25	20 %
4401947001	PC-156B-20171019	10/19/2017	200.7	7440-62-2	Vanadium	0.036		0.0050	0.010	mg/l	J	ld	MS/MSD RPD	23	20 %
4401947031	M-201-20171019	10/19/2017	200.7	7439-89-6	Iron		U	0.25	0.50	mg/l	UJ	ld	MS/MSD RPD	37	20 %
4401947031	M-201-20171019	10/19/2017	200.7	7429-90-5	Aluminum		U	0.25	0.50	mg/l	UJ	ld	MS/MSD RPD	45	20 %
4401947031	PC-153R-20171019	10/19/2017	200.7	7439-89-6	Iron	0.87	F1F2	0.25	0.50	mg/l	J	m,ld	MS/MSD %R, RPD	264,-; 37	20; 70-130 %
4401947031	PC-153R-20171019	10/19/2017	200.7	7429-90-5	Aluminum	1.3	F1F2	0.25	0.50	mg/l	J	m,ld	MS/MSD %R, RPD	426,176; 45	20; 70-130 %
4401947711	M-125D-20171020	10/20/2017	200.7	7439-96-5	Manganese	0.094	J	0.075	0.10	mg/l	J	sp	< PQL		
4401947711	M-202-20171020	10/20/2017	200.7	7440-62-2	Vanadium	0.0079	J	0.0050	0.010	mg/l	J	sp	< PQL		
4401947711	M-5D-20171020	10/20/2017	200.7	7439-89-6	Iron	0.14	J	0.10	0.20	mg/l	J	sp	< PQL		
4401948651	M-215-20171023	10/23/2017	200.7	7440-62-2	Vanadium	0.0066	J	0.0050	0.010	mg/l	J	sp	< PQL		
4401949051	PC-183-20171024	10/24/2017	200.7	7440-09-7	Potassium	28		0.50	1.0	mg/l	J+	m	MS/MSD %R	131,-	70-130 %
4401949051	PC-183-20171024	10/24/2017	200.7	7440-42-8	Boron	9.3		0.050	0.10	mg/l	J+	m	MS/MSD %R	132,-	70-130 %
4401949051	PC-184-20171024	10/24/2017	200.7	7440-09-7	Potassium	22		0.25	0.50	mg/l	J+	m	MS/MSD %R	131,-	70-130 %
4401949051	PC-184-20171024	10/24/2017	200.7	7439-89-6	Iron	0.23		0.050	0.10	mg/l	J+	m	MS/MSD %R	159,150	70-130 %
4401949051	PC-184-20171024	10/24/2017	200.7	7440-42-8	Boron	2.3		0.025	0.050	mg/l	J+	m	MS/MSD %R	132,-	70-130 %
4401949051	PC-184-20171024	10/24/2017	200.7	7429-90-5	Aluminum	0.29		0.050	0.10	mg/l	J+	m	MS/MSD %R	222,204	70-130 %
4401949051	PC-185-20171024	10/24/2017	200.7	7429-90-5	Aluminum	0.25	F1	0.050	0.10	mg/l	J+	m	MS/MSD %R	222,204	70-130 %
4401949051	PC-185-20171024	10/24/2017	200.7	7439-89-6	Iron	0.23	F1	0.050	0.10	mg/l	J+	m	MS/MSD %R	159,150	70-130 %
4401949051	PC-185-20171024	10/24/2017	200.7	7440-09-7	Potassium	18	F1	0.25	0.50	mg/l	J+	m	MS/MSD %R	131,-	70-130 %
4401949051	PC-185-20171024	10/24/2017	200.7	7440-62-2	Vanadium	0.0071	J	0.0050	0.010	mg/l	J	sp	< PQL		
4401949051	PC-185-20171024	10/24/2017	200.7	7440-62-2	Vanadium	0.0069	J	0.0050	0.010	mg/l	J	sp	< PQL		
4401949051	PC-185-20171024	10/24/2017	200.7	7440-42-8	Boron	1.7	F1	0.025	0.050	mg/l	J+	m	MS/MSD %R	132,-	70-130 %
4401949051	PC-187-20171024	10/24/2017	200.7	7440-42-8	Boron	9.7		0.050	0.10	mg/l	J+	m	MS/MSD %R	132,-	70-130 %
4401949051	PC-187-20171024	10/24/2017	200.7	7440-09-7	Potassium	26		0.50	1.0	mg/l	J+	m	MS/MSD %R	131,-	70-130 %
4401949051	PC-187-20171024	10/24/2017	200.7	7429-90-5	Aluminum	0.13	J	0.10	0.20	mg/l	J+	m,sp	MS/MSD %R; < PQL	222,204	70-130 %
4401949051	PC-187-20171024-EB	10/24/2017	200.7	7440-23-5	Sodium	0.36	J	0.26	0.50	mg/l	J	sp	< PQL		
4401949051	PC-187-20171024-FB	10/24/2017	200.7	7429-90-5	Aluminum	0.053	J	0.050	0.10	mg/l	J	sp	< PQL		
4401949051	PC-187-20171024-FD	10/24/2017	200.7	7440-42-8	Boron	10		0.050	0.10	mg/l	J+	m	MS/MSD %R	132,-	70-130 %
4401949051	PC-187-20171024-FD	10/24/2017	200.7	7440-09-7	Potassium	27		0.50	1.0	mg/l	J+	m	MS/MSD %R	131,-	70-130 %
4401949081	PC-170-20171024	10/24/2017	200.7	7439-89-6	Iron		U	0.050	0.10	mg/l	UJ	m	MS/MSD %R	66,67	70-130 %
4401949081	PC-170-20171024-FB	10/24/2017	200.7	7440-23-5	Sodium	0.49	J	0.26	0.50	mg/l	J	sp	< PQL		
4401949081	PC-173-20171024	10/24/2017	200.7	7439-89-6	Iron	1.2	F1	0.050	0.10	mg/l	J-	m	MS/MSD %R	66,67	70-130 %
4401949081	PC-180-20171024	10/24/2017	200.7	7439-89-6	Iron		U	0.050	0.10	mg/l	UJ	m	MS/MSD %R	66,67	70-130 %
4401949081	PC-181-20171024	10/24/2017	200.7	7439-89-6	Iron		U	0.050	0.10	mg/l	UJ	m	MS/MSD %R	66,67	70-130 %
4401949081	PC-181-20171024	10/24/2017	200.7	7429-90-5	Aluminum	0.051	J	0.050	0.10	mg/l	J	sp	< PQL		
4401949081	PC-181-20171024	10/24/2017	200.7	7440-47-3	Chromium (total)	0.0027	J	0.0025	0.0050	mg/l	J	sp	< PQL		
4401949081	PC-182-20171024	10/24/2017	200.7	7440-47-3	Chromium (total)	0.0074		0.0025	0.0050	mg/l	J	fd	FD RPD	74	30 %
4401949081	PC-182-20171024	10/24/2017	200.7	7439-89-6	Iron		U	0.050	0.10	mg/l	UJ	m	MS/MSD %R	66,67	70-130 %
4401949081	PC-182-20171024-FD	10/24/2017	200.7	7439-89-6	Iron		U	0.050	0.10	mg/l	UJ	m	MS/MSD %R	66,67	70-130 %
4401949081	PC-182-20171024-FD	10/24/2017	200.7	7440-47-3	Chromium (total)	0.016		0.0025	0.0050	mg/l	J	fd	FD RPD	74	30 %

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator <sup>1</sup>	Qualification Finding	Acceptance Criteria
4401949931	MC-63-20171025	10/25/2017	200.7	7439-89-6	Iron	0.17		0.050	0.10	mg/l	J-	m	MS/MSD %R	66,67	70-130 %
4401949931	MC-MW-37R-20171025	10/25/2017	200.7	7439-89-6	Iron	1.8		0.050	0.10	mg/l	J-	m	MS/MSD %R	66,67	70-130 %
4401949931	MC-MW-37R-20171025	10/25/2017	200.7	7429-90-5	Aluminum	0.066	J	0.050	0.10	mg/l	J	sp	< PQL		
4401949931	MC-MW-37R-20171025	10/25/2017	200.7	7439-96-5	Manganese	0.019	J	0.015	0.020	mg/l	J	sp	< PQL		
4401949931	MC-MW-38-20171025	10/25/2017	200.7	7439-89-6	Iron	0.35		0.050	0.10	mg/l	J-	m	MS/MSD %R	66,67	70-130 %
4401949931	MC-MW-38-20171025	10/25/2017	200.7	7439-89-6	Iron	0.058	J	0.050	0.10	mg/l	J	sp	< PQL		
4401949931	PC-37-20171025	10/25/2017	200.7	7439-89-6	Iron		U	0.050	0.10	mg/l	UJ	m	MS/MSD %R	66,67	70-130 %
4401949931	PC-37-20171025	10/25/2017	200.7	7429-90-5	Aluminum	0.083	J	0.050	0.10	mg/l	J	sp	< PQL		
4401949971	MC-61-20171025	10/25/2017	200.7	7439-89-6	Iron		U	0.050	0.10	mg/l	UJ	m	MS/MSD %R	66,67	70-130 %
4401949971	MC-62-20171025	10/25/2017	200.7	7439-89-6	Iron	0.097	J	0.050	0.10	mg/l	J	sp	< PQL		
4401951491	H-49A-20171026	10/26/2017	200.7	7440-62-2	Vanadium	0.011	J	0.010	0.020	mg/l	J	sp	< PQL		
4401951491	H-49A-20171026	10/26/2017	200.7	7439-89-6	Iron	0.10	J	0.10	0.20	mg/l	J	sp	< PQL		
4401951491	H-49A-20171026	10/26/2017	200.7	7440-62-2	Vanadium	0.012	J	0.010	0.020	mg/l	J	sp	< PQL		
4401951491	H-49A-20171026	10/26/2017	200.7	7440-42-8	Boron	2.1		0.050	0.10	mg/l	J+	m	MS/MSD %R	146,134	70-130 %
4401951491	H-49A-20171026	10/26/2017	200.7	7440-42-8	Boron	2.0		0.050	0.10	mg/l	J+	m	MS/MSD %R	146,134	70-130 %
4401951491	H-56A-20171026	10/26/2017	200.7	7440-42-8	Boron	1.9		0.025	0.050	mg/l	J+	m	MS/MSD %R	146,134	70-130 %
4401951491	H-56A-20171026	10/26/2017	200.7	7440-42-8	Boron	1.8		0.025	0.050	mg/l	J+	m	MS/MSD %R	146,134	70-130 %
4401951491	H-56R-20171026	10/26/2017	200.7	7440-42-8	Boron	1.6		0.025	0.050	mg/l	J+	m	MS/MSD %R	146,134	70-130 %
4401951491	H-56R-20171026	10/26/2017	200.7	7440-42-8	Boron	1.6	F1	0.025	0.050	mg/l	J+	m	MS/MSD %R	146,134	70-130 %
4401951491	H-58A-20171026	10/26/2017	200.7	7440-42-8	Boron	2.0		0.050	0.10	mg/l	J+	m	MS/MSD %R	146,134	70-130 %
4401951491	H-58A-20171026	10/26/2017	200.7	7440-42-8	Boron	1.8		0.050	0.10	mg/l	J+	m	MS/MSD %R	146,134	70-130 %
4401951491	PC-40-20171026	10/26/2017	200.7	7439-89-6	Iron	0.10	J	0.10	0.20	mg/l	J	sp	< PQL		
4401951491	PC-40-20171026	10/26/2017	200.7	7440-42-8	Boron	2.1		0.050	0.10	mg/l	J+	m	MS/MSD %R	146,134	70-130 %
4401951491	PC-40-20171026	10/26/2017	200.7	7440-42-8	Boron	2.1		0.050	0.10	mg/l	J+	m	MS/MSD %R	146,134	70-130 %
4401951521	MC-65-20171026	10/26/2017	200.7	7440-47-3	Chromium (total)	0.0098	J	0.0050	0.010	mg/l	J	sp	< PQL		
4401951521	MC-65-20171026	10/26/2017	200.7	7439-89-6	Iron	0.16	J	0.10	0.20	mg/l	J	sp	< PQL		
4401951521	MC-MW-37-20171026	10/26/2017	200.7	7439-96-5	Manganese	0.030	J	0.030	0.040	mg/l	J	sp	< PQL		
4401951521	MC-MW-37-20171026	10/26/2017	200.7	7439-89-6	Iron	0.18	J	0.10	0.20	mg/l	J	sp	< PQL		
4401952191	H-58R-20171027	10/27/2017	200.7	7429-90-5	Aluminum	0.054	J	0.050	0.10	mg/l	J	sp	< PQL		
4401952191	M-242-20171027	10/27/2017	200.7	7439-89-6	Iron	0.13	J	0.050	0.20	mg/l	J	sp	< PQL		
4401952191	M-242-20171027	10/27/2017	200.7	7439-89-6	Iron	0.11	J	0.050	0.20	mg/l	J	sp	< PQL		
4401952191	M-243-20171027	10/27/2017	200.7	7439-89-6	Iron	0.059	J	0.050	0.10	mg/l	J	sp	< PQL		
4401952191	M-244-20171027	10/27/2017	200.7	7439-89-6	Iron	0.052	J	0.050	0.10	mg/l	J	sp	< PQL		
4401952191	M-244-20171027	10/27/2017	200.7	7429-90-5	Aluminum	0.053	J	0.050	0.10	mg/l	J	sp	< PQL		
4401952191	M-245-20171027	10/27/2017	200.7	7440-62-2	Vanadium	0.0069	J	0.0050	0.010	mg/l	J	sp	< PQL		
4401953331	PC-174-20171030	10/30/2017	200.7	7439-89-6	Iron	0.17	J	0.050	0.20	mg/l	J	sp	< PQL		
4401953331	PC-179-20171030	10/30/2017	200.7	7439-96-5	Manganese	0.018	J	0.015	0.020	mg/l	J	sp	< PQL		
4401953331	PC-179-20171030	10/30/2017	200.7	7439-96-5	Manganese	0.018	J	0.015	0.020	mg/l	J	sp	< PQL		
4401953331	PC-192-20171030	10/30/2017	200.7	7429-90-5	Aluminum	0.097	J	0.050	0.10	mg/l	J	sp	< PQL		
4401953361	PC-166-20171030	10/30/2017	200.7	7439-89-6	Iron	0.13	J	0.050	0.20	mg/l	J	sp	< PQL		
4401953361	PC-169-20171030	10/30/2017	200.7	7440-62-2	Vanadium	0.012	J	0.0050	0.020	mg/l	J	sp	< PQL		
4401953681	PC-161-20171031	10/31/2017	200.8	7440-38-2	Arsenic	31		0.50	5.0	ug/l	J	fd	FD RPD	131	30 %
4401953681	PC-161-20171031-FD	10/31/2017	200.8	7440-38-2	Arsenic	150		0.50	5.0	ug/l	J	fd	FD RPD	131	30 %
4401953681	PC-162-20171031	10/31/2017	200.7	7439-89-6	Iron	0.12	J	0.050	0.20	mg/l	J	sp	< PQL		
4401953681	PC-163-20171031	10/31/2017	200.7	7429-90-5	Aluminum	0.22		0.050	0.10	mg/l	J+	m	MS/MSD %R	131,133	70-130 %
4401953681	PC-194-20171031	10/31/2017	200.7	7439-89-6	Iron	0.097	J	0.050	0.10	mg/l	J	sp	< PQL		
4401953681	PC-194-20171031	10/31/2017	200.7	7439-89-6	Iron	0.066	J	0.050	0.10	mg/l	J	sp	< PQL		
4401954031	M-195-20171031	10/31/2017	200.7	7439-96-5	Manganese	0.030	J	0.015	0.040	mg/l	J	sp	< PQL		
4401954031	M-195-20171031	10/31/2017	200.8	7440-38-2	Arsenic	9.3	J	0.50	10	ug/l	J	sp	< PQL		
4401954031	M-198-20171031	10/31/2017	200.7	7439-96-5	Manganese	0.016	J	0.015	0.020	mg/l	J	sp	< PQL		
4401954031	M-198-20171031	10/31/2017	200.7	7440-62-2	Vanadium	0.0086	J	0.0050	0.010	mg/l	J	sp	< PQL		
4401954031	M-198-20171031	10/31/2017	200.7	7440-62-2	Vanadium	0.0073	J	0.0050	0.010	mg/l	J	sp	< PQL		
4401954031	M-199-20171031	10/31/2017	200.7	7439-96-5	Manganese	0.093	J	0.015	0.10	mg/l	J	sp	< PQL		
4401954031	M-199-20171031	10/31/2017	200.8	7440-38-2	Arsenic	9.0	J	0.50	10	ug/l	J	sp	< PQL		
4401954031	M-199-20171031	10/31/2017	200.8	7440-38-2	Arsenic	8.7	J	0.50	10	ug/l	J	sp	< PQL		

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator <sup>1</sup>	Qualification Finding	Acceptance Criteria
4401954371	PC-165-20171101	11/1/2017	200.7	7429-90-5	Aluminum	0.065	J	0.050	0.10	mg/l	J	sp	< PQL		
4401954371	PC-165-20171101	11/1/2017	200.7	7439-89-6	Iron	4.1		0.050	0.10	mg/l	J	fd	FD RPD	136	30 %
4401954371	PC-165-20171101	11/1/2017	200.7	7429-90-5	Aluminum	4.5		0.050	0.10	mg/l	J	fd	FD RPD	136	30 %
4401954371	PC-165-20171101-FD	11/1/2017	200.7	7439-89-6	Iron	0.084	J	0.050	0.10	mg/l	J	sp	< PQL		
4401954371	PC-165-20171101-FD	11/1/2017	200.7	7439-89-6	Iron	0.78		0.050	0.10	mg/l	J	fd	FD RPD	136	30 %
4401954371	PC-165-20171101-FD	11/1/2017	200.7	7429-90-5	Aluminum	0.85		0.050	0.10	mg/l	J	fd	FD RPD	136	30 %
4401954371	PC-178-20171101	11/1/2017	200.7	7440-62-2	Vanadium	0.0064	J	0.0050	0.010	mg/l	J	sp	< PQL		
4401954371	PC-178-20171101	11/1/2017	200.7	7440-62-2	Vanadium	0.0066	J	0.0050	0.010	mg/l	J	sp	< PQL		
4401954371	PC-191-20171101	11/1/2017	200.7	7429-90-5	Aluminum	0.088	J	0.050	0.10	mg/l	J	sp	< PQL		
4401954371	PC-191-20171101	11/1/2017	200.7	7439-89-6	Iron	0.081	J	0.050	0.10	mg/l	J	sp	< PQL		
4401954371	PC-195-20171101	11/1/2017	200.7	7429-90-5	Aluminum	0.057	J	0.050	0.10	mg/l	J	sp	< PQL		
4401954371	PC-195-20171101	11/1/2017	200.7	7439-89-6	Iron	0.056	J	0.050	0.10	mg/l	J	sp	< PQL		
4401954381	M-200-20171101	11/1/2017	200.7	7429-90-5	Aluminum	0.072	J	0.050	0.10	mg/l	J	sp	< PQL		
4401954381	M-200-20171101	11/1/2017	200.7	7440-62-2	Vanadium	0.0052	J	0.0050	0.010	mg/l	J	sp	< PQL		
4401954381	M-21D-20171101	11/1/2017	200.7	7429-90-5	Aluminum	0.065	J	0.050	0.10	mg/l	J	sp	< PQL		
4401954381	M-233-20171101	11/1/2017	200.7	7439-89-6	Iron	0.052	J	0.050	0.10	mg/l	J	sp	< PQL		
4401954381	M-239-20171101	11/1/2017	200.7	7439-96-5	Manganese	0.015	J	0.015	0.020	mg/l	J	sp	< PQL		
4401954381	M-239-20171101-FD	11/1/2017	200.7	7439-96-5	Manganese	0.017	J	0.015	0.020	mg/l	J	sp	< PQL		
4401956031	PC-197-20171102	11/2/2017	200.7	7440-62-2	Vanadium	0.0082	J	0.0050	0.010	mg/l	J	sp	< PQL		
4401956051	M-216-20171102	11/2/2017	200.7	7439-96-5	Manganese	0.017	J	0.015	0.020	mg/l	J	sp	< PQL		
4401956051	M-216-20171102	11/2/2017	200.7	7429-90-5	Aluminum	0.055	J	0.050	0.10	mg/l	J	sp	< PQL		
4401956051	M-217-20171102	11/2/2017	200.7	7440-62-2	Vanadium	0.0055	J	0.0050	0.010	mg/l	J	sp	< PQL		
4401957141	M-149-20171103	11/3/2017	200.7	7429-90-5	Aluminum	0.067	J	0.050	0.10	mg/l	J	sp	< PQL		
4401957141	M-186D-20171103-FB	11/3/2017	200.7	7429-90-5	Aluminum	0.054	J	0.050	0.10	mg/l	J	sp	< PQL		
4401957141	M-186D-20171103-FB	11/3/2017	200.7	7429-90-5	Aluminum	0.093	J	0.050	0.10	mg/l	J	sp	< PQL		
4401957141	M-186D-20171103-FB	11/3/2017	200.7	7440-23-5	Sodium	0.86		0.26	0.50	mg/l	J+	bl	MB contamination	0.546	mg/L
4401957141	M-214-20171103	11/3/2017	200.7	7440-62-2	Vanadium	0.0086	J	0.0050	0.010	mg/l	J	sp	< PQL		
4401957141	M-214-20171103	11/3/2017	200.7	7440-62-2	Vanadium	0.0080	J	0.0050	0.010	mg/l	J	sp	< PQL		
4401957141	M-214-20171103-EB	11/3/2017	200.7	7440-47-3	Chromium (total)	0.0042	J	0.0025	0.0050	mg/l	J	sp	< PQL		
4401957141	M-214-20171103-EB	11/3/2017	200.7	7440-23-5	Sodium	3.2		0.26	0.50	mg/l	J+	bl	MB contamination	0.546	mg/L
4401957141	M-214-20171103-EB	11/3/2017	200.7	7440-47-3	Chromium (total)	0.0029	J	0.0025	0.0050	mg/l	J	sp	< PQL		
4401958171	M-208-20171106	11/6/2017	200.7	7439-89-6	Iron	0.072	J	0.050	0.10	mg/l	J	sp	< PQL		
4401958171	M-209-20171106	11/6/2017	200.7	7440-62-2	Vanadium	0.0096	J	0.0050	0.010	mg/l	J	sp	< PQL		
4401958171	M-209-20171106	11/6/2017	200.7	7439-96-5	Manganese	0.017	J	0.015	0.020	mg/l	J	sp	< PQL		
4401958171	M-209-20171106-FD	11/6/2017	200.7	7439-96-5	Manganese	0.015	J	0.015	0.020	mg/l	J	sp	< PQL		
4401958171	M-209-20171106-FD	11/6/2017	200.7	7440-62-2	Vanadium	0.0096	J	0.0050	0.010	mg/l	J	sp	< PQL		
4401958231	M-234-20171106	11/6/2017	200.7	7439-96-5	Manganese	0.036	J	0.015	0.040	mg/l	J	sp	< PQL		
4401958231	M-234-20171106	11/6/2017	200.7	7440-62-2	Vanadium	0.013	J	0.0050	0.020	mg/l	J	sp	< PQL		
4401958231	M-234-20171106-FD	11/6/2017	200.7	7440-62-2	Vanadium	0.014	J	0.0050	0.020	mg/l	J	sp	< PQL		
4401958231	M-234-20171106-FD	11/6/2017	200.7	7439-96-5	Manganese	0.035	J	0.015	0.040	mg/l	J	sp	< PQL		
4401958231	M-238-20171106	11/6/2017	200.7	7439-89-6	Iron	0.059	J	0.050	0.10	mg/l	J	sp	< PQL		
4401958231	M-238-20171106	11/6/2017	200.7	7429-90-5	Aluminum	0.056	J	0.050	0.10	mg/l	J	sp	< PQL		
4401959471	M-223-20171107	11/7/2017	200.7	7429-90-5	Aluminum	0.33	J	0.050	0.50	mg/l	J	sp	< PQL		
4401959471	M-229-20171107-EB	11/7/2017	200.7	7440-47-3	Chromium (total)	0.0029	J	0.0025	0.0050	mg/l	J	sp	< PQL		
4401959471	M-229-20171107-EB	11/7/2017	200.7	7440-47-3	Chromium (total)	0.0030	J	0.0025	0.0050	mg/l	J	sp	< PQL		
4401959471	M-229-20171107-EB	11/7/2017	200.7	7440-09-7	Potassium	0.32	J	0.25	0.50	mg/l	J	sp	< PQL		
4401959491	M-225-20171107	11/7/2017	200.7	7440-62-2	Vanadium	0.0099	J	0.0050	0.010	mg/l	J	sp	< PQL		
4401959491	M-236-20171107	11/7/2017	200.7	7429-90-5	Aluminum	0.42		0.050	0.10	mg/l	J+	bf	FB contamination	0.25	mg/L
4401959491	M-236-20171107	11/7/2017	200.7	7439-89-6	Iron	0.16		0.050	0.10	mg/l	J+	bf	FB contamination	0.19	mg/L
4401959491	M-236-20171107-FB	11/7/2017	200.7	7440-47-3	Chromium (total)	0.0030	J	0.0025	0.0050	mg/l	J	sp	< PQL		
4401959491	M-236-20171107-FB	11/7/2017	200.7	7440-09-7	Potassium	0.29	J	0.25	0.50	mg/l	J	sp	< PQL		
4401959491	M-236-20171107-FB	11/7/2017	200.7	7440-47-3	Chromium (total)	0.0034	J	0.0025	0.0050	mg/l	J	sp	< PQL		
4401882961	M-197-120.0-20170712	7/12/2017	7199	18540-29-9	Chromium VI	2.1		0.20	0.41	mg/kg	J-	m	MS/MSD %R	49,-	55-110 %
4401882961	M-197-130.0-20170712	7/12/2017	7199	18540-29-9	Chromium VI		U	0.25	0.50	mg/kg	UJ	m	MS/MSD %R	49,-	55-110 %
4401882961	M-197-150.0-20170712	7/12/2017	7199	18540-29-9	Chromium VI		U	0.20	0.40	mg/kg	UJ	m	MS/MSD %R	49,-	55-110 %



Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator <sup>1</sup>	Qualification Finding	Acceptance Criteria
4401884901	M-195-100.0-20170717	7/17/2017	7199	18540-29-9	Chromium VI		U	0.22	0.45	mg/kg	UJ	m	MS/MSD %R	49,-	55-110 %
4401885351	M-195-120.0-20170718	7/18/2017	7199	18540-29-9	Chromium VI	0.33	J	0.21	0.42	mg/kg	J-	m.sp	MS/MSD %R; < PQL	49,-	55-110 %
4401885351	M-195-130.0-20170718	7/18/2017	7199	18540-29-9	Chromium VI		U	0.20	0.41	mg/kg	UJ	m	MS/MSD %R	49,-	55-110 %
4401885351	M-195-130.0-20170718-EB	7/18/2017	7199	18540-29-9	Chromium VI	0.26	J	0.25	2.0	ug/l	J	sp	< PQL		
4401885351	M-195-140.0-20170718	7/18/2017	7199	18540-29-9	Chromium VI		UF1	0.23	0.47	mg/kg	UJ	m	MS/MSD %R	49,-	55-110 %
4401885351	M-195-150.0-20170718	7/18/2017	7199	18540-29-9	Chromium VI		U	0.25	0.50	mg/kg	UJ	m	MS/MSD %R	49,-	55-110 %
4401892231	RI-15-10.0-20170728	7/28/2017	7199	18540-29-9	Chromium VI		U	0.16	0.31	mg/kg	UJ	m	MS/MSD %R	52,-	55-110 %
4401892231	RI-15-20.0-20170728	7/28/2017	7199	18540-29-9	Chromium VI		U	0.17	0.33	mg/kg	UJ	m	MS/MSD %R	52,-	55-110 %
4401892231	RI-15-5.0-20170728	7/28/2017	7199	18540-29-9	Chromium VI	0.36	J	0.16	0.32	mg/kg	J-	m	MS/MSD %R	52,-	55-110 %
4401892601	RI-15-30.0-20170730	7/30/2017	7199	18540-29-9	Chromium VI		UF1	0.16	0.32	mg/kg	UJ	m	MS/MSD %R	52,-	55-110 %
4401909881	H-56A-20170825	8/25/2017	218.6	18540-29-9	Chromium VI	0.36	J	0.25	1.0	ug/l	J	sp	< PQL		
4401923381	PC-171-20170915	9/15/2017	218.6	18540-29-9	Chromium VI	190		0.50	2.0	ug/l	J-	h	Holding time	24.15	24 Hours
4401932261	PC-165-20170929-FB	9/29/2017	218.6	18540-29-9	Chromium VI	0.61	J	0.25	1.0	ug/l	J	sp	< PQL		
4401939881	PC-191-20171010	10/10/2017	218.6	18540-29-9	Chromium VI	0.42	J	0.25	1.0	ug/l	J	sp	< PQL		
4401941071	PC-178-20171011	10/11/2017	218.6	18540-29-9	Chromium VI	0.41	J	0.25	1.0	ug/l	J	sp	< PQL		
4401941071	PC-178-20171011-FD	10/11/2017	218.6	18540-29-9	Chromium VI	0.46	J	0.25	1.0	ug/l	J	sp	< PQL		
4401944621	M-224-20171017	10/17/2017	218.6	18540-29-9	Chromium VI	0.38	J	0.25	1.0	ug/l	J	sp	< PQL		
4401944651	M-214-20171017-EB	10/17/2017	218.6	18540-29-9	Chromium VI	0.89	J	0.25	1.0	ug/l	J	sp	< PQL		
4401946611	PC-153R-20171019	10/19/2017	218.6	18540-29-9	Chromium VI	0.43	J	0.25	1.0	ug/l	J	sp	< PQL		
4401949031	PC-183-20171024	10/24/2017	218.6	18540-29-9	Chromium VI	730	H	5.0	20	ug/l	J-	h	Holding time	24.03	24 Hours
4401951991	H-58R-20171027	10/27/2017	218.6	18540-29-9	Chromium VI	0.89	J	0.25	1.0	ug/l	J	sp	< PQL		
4401952191	M-246-20171027	10/27/2017	218.6	18540-29-9	Chromium VI		UH	0.25	1.0	ug/l	R	h	Holding time	81.88	24 Hours
4401952191	PC-171-20171027	10/27/2017	218.6	18540-29-9	Chromium VI	250	H	0.25	10	ug/l	J-	h	Holding time	84.45	24 Hours
4401954351	PC-178-20171101	11/1/2017	218.6	18540-29-9	Chromium VI	0.50	J	0.25	1.0	ug/l	J	sp	< PQL		
4401954351	PC-191-20171101	11/1/2017	218.6	18540-29-9	Chromium VI	0.62	J	0.25	1.0	ug/l	J	sp	< PQL		
4401954351	PC-195-20171101	11/1/2017	218.6	18540-29-9	Chromium VI	0.35	J	0.25	1.0	ug/l	J	sp	< PQL		
4401956931	PC-186-20171103	11/3/2017	218.6	18540-29-9	Chromium VI	570	H	0.25	50	ug/l	J-	h	Holding time	46.9	24 Hours
4401956931	PC-186-20171103-FD	11/3/2017	218.6	18540-29-9	Chromium VI	570	H	0.25	50	ug/l	J-	h	Holding time	47	24 Hours
4401958981	M-236-20171107-FB	11/7/2017	218.6	18540-29-9	Chromium VI	0.47	J	0.25	1.0	ug/l	J	sp	< PQL		
4401959071	M-223-20171107-FB	11/7/2017	218.6	18540-29-9	Chromium VI	0.43	J	0.25	1.0	ug/l	J	sp	< PQL		
4401959071	M-229-20171107-EB	11/7/2017	218.6	18540-29-9	Chromium VI	0.47	J	0.25	1.0	ug/l	J	sp	< PQL		
4401959071	M-229-20171107-FB	11/7/2017	218.6	18540-29-9	Chromium VI	0.38	J	0.25	1.0	ug/l	J	sp	< PQL		
4401882961	M-197-130.0-20170712	7/12/2017	300.0	NO3/NO2-N	Nitrate Nitrite as N	1.9	J	1.8	2.5	mg/kg	J	sp	< PQL		
4401884901	M-195-100.0-20170717	7/17/2017	300.0	NO3/NO2-N	Nitrate Nitrite as N	1.6	J	1.6	2.2	mg/kg	J	sp	< PQL		
4401884901	M-195-100.0-20170717	7/17/2017	300.0	14797-55-8_NO3	Nitrate as NO3	7.1	J	5.2	7.4	mg/kg	J	sp	< PQL		
4401885351	M-195-120.0-20170718	7/18/2017	300.0	14797-55-8_NO3	Nitrate as NO3	5.0	J	4.9	6.9	mg/kg	J	sp	< PQL		
4401885351	M-195-150.0-20170718	7/18/2017	300.0	14797-55-8_NO3	Nitrate as NO3	7.0	J	5.8	8.3	mg/kg	J	sp	< PQL		
4401889421	RI-6-100.0-20170725	7/25/2017	300.0	14797-55-8_NO3	Nitrate as NO3	7.8	J	6.1	8.8	mg/kg	J	sp	< PQL		
4401889421	RI-6-120.0-20170725	7/25/2017	300.0	14797-55-8_NO3	Nitrate as NO3	6.6	J	5.8	8.3	mg/kg	J	sp	< PQL		
4401889421	RI-6-90.0-20170725	7/25/2017	300.0	NO3/NO2-N	Nitrate Nitrite as N	1.9	J	1.6	2.2	mg/kg	J	sp	< PQL		
4401889421	RI-6-90.0-20170725-FD	7/25/2017	300.0	NO3/NO2-N	Nitrate Nitrite as N	1.9	J	1.7	2.3	mg/kg	J	sp	< PQL		
4401890601	RI-14-80.0-20170726	7/26/2017	300.0	NO3/NO2-N	Nitrate Nitrite as N	2.4	J	2.0	2.8	mg/kg	J	sp	< PQL		
4401891401	RI-14-110.0-20170727	7/27/2017	300.0	14797-55-8_NO3	Nitrate as NO3	7.6	J	6.7	9.6	mg/kg	J	sp	< PQL		
4401891401	RI-14-130.0-20170727	7/27/2017	300.0	14797-55-8_NO3	Nitrate as NO3	6.2	J	6.0	8.5	mg/kg	J	sp	< PQL		
4401891401	RI-14-90.0-20170727	7/27/2017	300.0	14797-55-8_NO3	Nitrate as NO3	6.5	J	5.5	7.9	mg/kg	J	sp	< PQL		
4401892601	RI-15-100.0-20170730	7/30/2017	300.0	14797-55-8_NO3	Nitrate as NO3	6.3	J	5.7	8.1	mg/kg	J	sp	< PQL		
4401892611	PCDB-4-20.0-20170730	7/30/2017	300.0	14797-55-8_NO3	Nitrate as NO3	4.8	J	3.7	5.2	mg/kg	J	sp	< PQL		
4401892891	RI-15-110.0-20170731	7/31/2017	300.0	14797-55-8_NO3	Nitrate as NO3	7.1	J	5.3	7.6	mg/kg	J	sp	< PQL		
4401892891	RI-15-110.0-20170731-FD	7/31/2017	300.0	14797-55-8_NO3	Nitrate as NO3	6.0	J	5.1	7.3	mg/kg	J	sp	< PQL		
4401892891	RI-15-120.0-20170731	7/31/2017	300.0	14797-55-8_NO3	Nitrate as NO3	5.8	J	5.1	7.3	mg/kg	J	sp	< PQL		
4401892891	RI-15-130.0-20170731	7/31/2017	300.0	NO3/NO2-N	Nitrate Nitrite as N	2.3	J	2.2	3.0	mg/kg	J	sp	< PQL		
4401901531	PCDB-11-80.0-20170811	8/11/2017	300.0	NO3/NO2-N	Nitrate Nitrite as N	3.2		1.4	1.9	mg/kg	J	fd	FD RPD	67	50 %
4401901531	PCDB-11-80.0-20170811-FD	8/11/2017	300.0	NO3/NO2-N	Nitrate Nitrite as N	6.4		1.4	2.0	mg/kg	J	fd	FD RPD	67	50 %
4401901531	PCDB-11-80.0-20170811-FD	8/11/2017	300.0	14797-65-0	Nitrite	1.5	J	1.4	2.0	mg/kg	J	sp	< PQL		
4401901531	PCDB-11-90.0-20170811	8/11/2017	300.0	14797-55-8_NO3	Nitrate as NO3	6.2	J	5.5	7.8	mg/kg	J	sp	< PQL		

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator <sup>1</sup>	Qualification Finding	Acceptance Criteria
4401901811	PCDB-10-80.0-20170813	8/13/2017	300.0	14797-55-8_NO3	Nitrate as NO3	8.3	J	6.0	8.6	mg/kg	J	sp	< PQL		
4401901811	PCDB-10-80.0-20170813	8/13/2017	300.0	NO3/NO2-N	Nitrate Nitrite as N	1.9	J	1.9	2.6	mg/kg	J	sp	< PQL		
4401901811	PCDB-13-20.0-20170813	8/13/2017	300.0	NO3/NO2-N	Nitrate Nitrite as N	1.4	J	1.4	2.0	mg/kg	J	sp	< PQL		
4401901811	PCDB-13-20.0-20170813	8/13/2017	300.0	14797-55-8_NO3	Nitrate as NO3	6.3	J	4.6	6.5	mg/kg	J	sp	< PQL		
4401901811	PCDB-13-40.0-20170813	8/13/2017	300.0	14797-65-0	Nitrite	1.6	J	1.6	2.1	mg/kg	J	sp	< PQL		
4401901811	PCDB-13-40.0-20170813-FD	8/13/2017	300.0	14797-65-0	Nitrite	1.8	J	1.6	2.2	mg/kg	J	sp	< PQL		
4401901811	PCDB-13-50.0-20170813	8/13/2017	300.0	NO3/NO2-N	Nitrate Nitrite as N	1.5	J	1.4	1.8	mg/kg	J	sp	< PQL		
4401901811	PCDB-13-70.0-20170813	8/13/2017	300.0	14797-55-8_NO3	Nitrate as NO3	5.0	J	4.4	6.2	mg/kg	J	sp	< PQL		
4401902771	PCDB-12-10.0-20170814	8/14/2017	300.0	NO3/NO2-N	Nitrate Nitrite as N	1.6	J	1.2	1.7	mg/kg	J	sp	< PQL		
4401902771	PCDB-12-60.0-20170814	8/14/2017	300.0	14797-55-8_NO3	Nitrate as NO3	5.5	J	4.3	6.2	mg/kg	J	sp	< PQL		
4401902771	PCDB-12-60.0-20170814-FD	8/14/2017	300.0	14797-55-8_NO3	Nitrate as NO3	4.4	J	4.2	6.0	mg/kg	J	sp	< PQL		
4401903181	PCDB-12-70.0-20170814	8/14/2017	300.0	NO3/NO2-N	Nitrate Nitrite as N	13		1.4	1.8	mg/kg	J-	m	MS/MSD %R	75.67	80-120 %
4401903181	PCDB-12-70.0-20170814	8/14/2017	300.0	14797-55-8_NO3	Nitrate as NO3	60	F1	4.3	6.2	mg/kg	J-	m	MS/MSD %R	75.67	80-120 %
4401903181	PCDB-12-80.0-20170814	8/14/2017	300.0	14797-55-8_NO3	Nitrate as NO3	28		4.1	5.9	mg/kg	J-	m	MS/MSD %R	75.67	80-120 %
4401903181	PCDB-12-80.0-20170814	8/14/2017	300.0	NO3/NO2-N	Nitrate Nitrite as N	6.2		1.3	1.8	mg/kg	J-	m	MS/MSD %R	75.67	80-120 %
4401903181	PCDB-12-90.0-20170814	8/14/2017	300.0	14797-55-8_NO3	Nitrate as NO3	16		4.2	6.0	mg/kg	J-	m	MS/MSD %R	75.67	80-120 %
4401903181	PCDB-12-90.0-20170814	8/14/2017	300.0	NO3/NO2-N	Nitrate Nitrite as N	3.7		1.3	1.8	mg/kg	J-	m	MS/MSD %R	75.67	80-120 %
4401903181	PCDB-12-90.0-20170814-FD	8/14/2017	300.0	14797-55-8_NO3	Nitrate as NO3	16		4.7	6.8	mg/kg	J-	m	MS/MSD %R	75.67	80-120 %
4401903181	PCDB-12-90.0-20170814-FD	8/14/2017	300.0	NO3/NO2-N	Nitrate Nitrite as N	3.5		1.5	2.0	mg/kg	J-	m	MS/MSD %R	75.67	80-120 %
4401903181	PCDB-5-10.0-20170815	8/15/2017	300.0	14797-55-8_NO3	Nitrate as NO3	20		3.7	5.3	mg/kg	J-	m	MS/MSD %R	75.67	80-120 %
4401903181	PCDB-5-10.0-20170815	8/15/2017	300.0	NO3/NO2-N	Nitrate Nitrite as N	4.6		1.2	1.6	mg/kg	J-	m	MS/MSD %R	75.67	80-120 %
4401903181	PCDB-5-20.0-20170815	8/15/2017	300.0	14797-55-8_NO3	Nitrate as NO3	12		3.6	5.2	mg/kg	J-	m	MS/MSD %R	75.67	80-120 %
4401903181	PCDB-5-20.0-20170815	8/15/2017	300.0	NO3/NO2-N	Nitrate Nitrite as N	2.7		1.1	1.6	mg/kg	J-	m	MS/MSD %R	75.67	80-120 %
4401903181	PCDB-5-20.0-20170815-FD	8/15/2017	300.0	NO3/NO2-N	Nitrate Nitrite as N	3.6		1.2	1.6	mg/kg	J-	m	MS/MSD %R	75.67	80-120 %
4401903181	PCDB-5-20.0-20170815-FD	8/15/2017	300.0	14797-55-8_NO3	Nitrate as NO3	16		3.7	5.2	mg/kg	J-	m	MS/MSD %R	75.67	80-120 %
4401903181	PCDB-5-30.0-20170815	8/15/2017	300.0	14797-55-8_NO3	Nitrate as NO3	6.7		3.9	5.6	mg/kg	J-	m	MS/MSD %R	75.67	80-120 %
4401903181	PCDB-5-30.0-20170815	8/15/2017	300.0	NO3/NO2-N	Nitrate Nitrite as N	1.5	J	1.2	1.7	mg/kg	J-	m,sp	MS/MSD %R; < PQL	75.67	80-120 %
4401903181	PCDB-5-40.0-20170815	8/15/2017	300.0	NO3/NO2-N	Nitrate Nitrite as N	4.4		1.3	1.8	mg/kg	J-	m	MS/MSD %R	75.67	80-120 %
4401903181	PCDB-5-40.0-20170815	8/15/2017	300.0	14797-55-8_NO3	Nitrate as NO3	20		4.2	6.0	mg/kg	J-	m	MS/MSD %R	75.67	80-120 %
4401903181	PCDB-5-5.0-20170815	8/15/2017	300.0	NO3/NO2-N	Nitrate Nitrite as N	19		1.2	1.6	mg/kg	J-	m	MS/MSD %R	75.67	80-120 %
4401903181	PCDB-5-5.0-20170815	8/15/2017	300.0	14797-55-8_NO3	Nitrate as NO3	86		3.7	5.4	mg/kg	J-	m	MS/MSD %R	75.67	80-120 %
4401903181	PCDB-5-50.0-20170815	8/15/2017	300.0	NO3/NO2-N	Nitrate Nitrite as N		U	1.8	2.4	mg/kg	UJ	m	MS/MSD %R	75.67	80-120 %
4401903181	PCDB-5-50.0-20170815	8/15/2017	300.0	14797-55-8_NO3	Nitrate as NO3	6.0	J	5.6	8.0	mg/kg	J-	m,sp	MS/MSD %R; < PQL	75.67	80-120 %
4401903181	PCDB-5-60.0-20170815	8/15/2017	300.0	NO3/NO2-N	Nitrate Nitrite as N		U	1.7	2.3	mg/kg	UJ	m	MS/MSD %R	75.67	80-120 %
4401903181	PCDB-5-60.0-20170815	8/15/2017	300.0	14797-55-8_NO3	Nitrate as NO3		U	5.3	7.6	mg/kg	UJ	m	MS/MSD %R	75.67	80-120 %
4401903181	PCDB-5-60.0-20170815-FD	8/15/2017	300.0	NO3/NO2-N	Nitrate Nitrite as N		U	1.5	2.1	mg/kg	UJ	m	MS/MSD %R	75.67	80-120 %
4401903181	PCDB-5-60.0-20170815-FD	8/15/2017	300.0	14797-55-8_NO3	Nitrate as NO3		U	4.9	7.0	mg/kg	UJ	m	MS/MSD %R	75.67	80-120 %
4401903181	PCDB-5-70.0-20170815	8/15/2017	300.0	NO3/NO2-N	Nitrate Nitrite as N		U	1.8	2.5	mg/kg	UJ	m	MS/MSD %R	75.67	80-120 %
4401903181	PCDB-5-70.0-20170815	8/15/2017	300.0	14797-55-8_NO3	Nitrate as NO3		U	5.7	8.2	mg/kg	UJ	m	MS/MSD %R	75.67	80-120 %
4401903181	PCDB-5-80.0-20170815	8/15/2017	300.0	NO3/NO2-N	Nitrate Nitrite as N		U	1.5	2.1	mg/kg	UJ	m	MS/MSD %R	75.67	80-120 %
4401903181	PCDB-5-80.0-20170815	8/15/2017	300.0	14797-55-8_NO3	Nitrate as NO3		U	4.8	6.9	mg/kg	UJ	m	MS/MSD %R	75.67	80-120 %
4401903181	PCDB-5-90.0-20170815	8/15/2017	300.0	14797-55-8_NO3	Nitrate as NO3		U	4.9	6.9	mg/kg	UJ	m	MS/MSD %R	75.67	80-120 %
4401903181	PCDB-5-90.0-20170815	8/15/2017	300.0	NO3/NO2-N	Nitrate Nitrite as N		U	1.5	2.1	mg/kg	UJ	m	MS/MSD %R	75.67	80-120 %
4401907511	H-48-20170822	8/22/2017	300.0	14797-55-8_NO3	Nitrate as NO3	7.2	J	5.0	10	mg/l	J	sp	< PQL		
4401910761	PCDB-14-20.0-20170826	8/26/2017	300.0	NO3/NO2-N	Nitrate Nitrite as N	41		1.2	1.6	mg/kg	J-	m	MS/MSD %R	-48,-30	80-120 %
4401910761	PCDB-14-20.0-20170826	8/26/2017	300.0	14797-55-8_NO3	Nitrate as NO3	180		3.8	5.5	mg/kg	J-	m	MS/MSD %R	-48,-30	80-120 %
4401910761	PCDB-14-20.0-20170826-FD	8/26/2017	300.0	14797-55-8_NO3	Nitrate as NO3	210	F1	3.8	5.5	mg/kg	J-	m	MS/MSD %R	-48,-30	80-120 %
4401910761	PCDB-14-20.0-20170826-FD	8/26/2017	300.0	NO3/NO2-N	Nitrate Nitrite as N	47		1.2	1.6	mg/kg	J-	m	MS/MSD %R	-48,-30	80-120 %
4401910761	PCDB-14-60.0-20170826	8/26/2017	300.0	NO3/NO2-N	Nitrate Nitrite as N	1.9	J	1.8	2.4	mg/kg	J	sp	< PQL		
4401918001	M-246-20170908	9/8/2017	300.0	14797-55-8_NO3	Nitrate as NO3	3.2	J	2.5	5.0	mg/l	J	sp	< PQL		
4401918001	M-246-20170908	9/8/2017	300.0	NO3/NO2-N	Nitrate Nitrite as N	710	J	700	1500	ug/l	J	sp	< PQL		
4401919791	PC-180-20170912	9/12/2017	300.0	24959-67-9	Bromide	6400	J	5000	10000	ug/l	J	sp	< PQL		
4401919791	PC-182-20170912	9/12/2017	300.0	24959-67-9	Bromide	360	J	250	500	ug/l	J	sp	< PQL		
4401919791	PC-183-20170912	9/12/2017	300.0	14797-65-0	Nitrite	1700	J	1400	3000	ug/l	J	sp	< PQL		
4401919791	PC-183-20170912	9/12/2017	300.0	24959-67-9	Bromide	6300	J	5000	10000	ug/l	J	sp	< PQL		

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator <sup>1</sup>	Qualification Finding	Acceptance Criteria
4401920091	PC-185-20170912	9/12/2017	300.0	14797-65-0	Nitrite	290	JF1	140	300	ug/l	J+	m,sp	MS/MSD %R; < PQL	178,179	80-120 %
4401920091	PC-185-20170912	9/12/2017	300.0	NO3/NO2-N	Nitrate Nitrite as N	1200		140	300	ug/l	J+	m	MS/MSD %R	178,179	80-120 %
4401920091	PC-187-20170912	9/12/2017	300.0	14797-65-0	Nitrite	20000		1400	3000	ug/l	J+	m	MS/MSD %R	141,145	80-120 %
4401920091	PC-187-20170912	9/12/2017	300.0	NO3/NO2-N	Nitrate Nitrite as N	85000		1400	3000	ug/l	J+	m	MS/MSD %R	141,145	80-120 %
4401922171	M-235-20170914	9/14/2017	300.0	7723-14-0P	Orthophosphate (total) (As P)		UF1	80	160	ug/l	UJ	m	MS/MSD %R	-,78	80-120 %
4401922171	PC-163-20170914	9/14/2017	300.0	7723-14-0P	Orthophosphate (total) (As P)	1200	J	800	1600	ug/l	J-	m,sp	MS/MSD %R; < PQL	-,78	80-120 %
4401922171	PC-163-20170914	9/14/2017	300.0	24959-67-9	Bromide	4500	J	2500	5000	ug/l	J	sp	< PQL		
4401922531	PC-166-20170914	9/14/2017	300.0	NO3/NO2-N	Nitrate Nitrite as N	3800	J	3500	7500	ug/l	J	sp	< PQL		
4401922531	PC-166-20170914	9/14/2017	300.0	14797-55-8_NO3	Nitrate as NO3	17	J	13	25	mg/l	J	sp	< PQL		
4401923381	PC-171-20170915	9/15/2017	300.0	24959-67-9	Bromide	4400	J	2500	5000	ug/l	J	sp	< PQL		
4401926281	PCDB-8-10.0-20170920	9/20/2017	300.0	14797-55-8_NO3	Nitrate as NO3	5.3	J	3.9	5.5	mg/kg	J-	m,sp	MS/MSD %R; < PQL	47,45	80-120 %
4401926281	PCDB-8-10.0-20170920	9/20/2017	300.0	NO3/NO2-N	Nitrate Nitrite as N	1.2	J	1.2	1.7	mg/kg	J-	m,sp	MS/MSD %R; < PQL	19,12; 26,26; 47,45	80-120 %
4401926281	PCDB-8-10.0-20170920	9/20/2017	300.0	14797-65-0	Nitrite		U	1.2	1.7	mg/kg	R	m	MS/MSD %R	19,12; 26,26	80-120 %
4401926281	PCDB-8-20.0-20170920	9/20/2017	300.0	14797-65-0	Nitrite		U	1.4	1.9	mg/kg	R	m	MS/MSD %R	19,12; 26,26	80-120 %
4401926281	PCDB-8-20.0-20170920	9/20/2017	300.0	NO3/NO2-N	Nitrate Nitrite as N	7.0		1.4	1.9	mg/kg	J-	m	MS/MSD %R	19,12; 26,26; 47,45	80-120 %
4401926281	PCDB-8-20.0-20170920	9/20/2017	300.0	14797-55-8_NO3	Nitrate as NO3	31		4.4	6.3	mg/kg	J-	m	MS/MSD %R	47,45	80-120 %
4401926281	PCDB-8-20.0-20170920-FD	9/20/2017	300.0	NO3/NO2-N	Nitrate Nitrite as N	7.5		1.4	1.9	mg/kg	J-	m	MS/MSD %R	19,12; 26,26; 47,45	80-120 %
4401926281	PCDB-8-20.0-20170920-FD	9/20/2017	300.0	14797-65-0	Nitrite		U	1.4	1.9	mg/kg	R	m	MS/MSD %R	19,12; 26,26	80-120 %
4401926281	PCDB-8-20.0-20170920-FD	9/20/2017	300.0	14797-55-8_NO3	Nitrate as NO3	33		4.5	6.4	mg/kg	J-	m	MS/MSD %R	47,45	80-120 %
4401926281	PCDB-8-30.0-20170920	9/20/2017	300.0	NO3/NO2-N	Nitrate Nitrite as N	12		1.8	2.5	mg/kg	J-	m	MS/MSD %R	19,12; 26,26; 47,45	80-120 %
4401926281	PCDB-8-30.0-20170920	9/20/2017	300.0	14797-55-8_NO3	Nitrate as NO3	53	F1	5.8	8.2	mg/kg	J-	m	MS/MSD %R	47,45	80-120 %
4401926281	PCDB-8-30.0-20170920	9/20/2017	300.0	14797-65-0	Nitrite		UF1	1.8	2.5	mg/kg	R	m	MS/MSD %R	19,12; 26,26	80-120 %
4401926281	PCDB-8-40.0-20170920	9/20/2017	300.0	14797-65-0	Nitrite		U	1.6	2.2	mg/kg	R	m	MS/MSD %R	19,12; 26,26	80-120 %
4401926281	PCDB-8-40.0-20170920	9/20/2017	300.0	NO3/NO2-N	Nitrate Nitrite as N		U	1.6	2.2	mg/kg	R	m	MS/MSD %R	19,12; 26,26; 47,45	80-120 %
4401926281	PCDB-8-40.0-20170920	9/20/2017	300.0	14797-55-8_NO3	Nitrate as NO3		U	5.2	7.4	mg/kg	UJ	m	MS/MSD %R	47,45	80-120 %
4401926281	PCDB-8-5.0-20170920	9/20/2017	300.0	NO3/NO2-N	Nitrate Nitrite as N		U	1.2	1.6	mg/kg	R	m	MS/MSD %R	19,12; 26,26; 47,45	80-120 %
4401926281	PCDB-8-5.0-20170920	9/20/2017	300.0	14797-65-0	Nitrite		U	1.2	1.6	mg/kg	R	m	MS/MSD %R	19,12; 26,26	80-120 %
4401926281	PCDB-8-5.0-20170920	9/20/2017	300.0	14797-55-8_NO3	Nitrate as NO3		U	3.8	5.5	mg/kg	UJ	m	MS/MSD %R	47,45	80-120 %
4401926281	PCDB-8-50.0-20170920	9/20/2017	300.0	14797-55-8_NO3	Nitrate as NO3	5.6	J	5.1	7.2	mg/kg	J-	m,sp	MS/MSD %R; < PQL	47,45	80-120 %
4401926281	PCDB-8-50.0-20170920	9/20/2017	300.0	NO3/NO2-N	Nitrate Nitrite as N		U	1.6	2.2	mg/kg	R	m	MS/MSD %R	19,12; 26,26; 47,45	80-120 %
4401926281	PCDB-8-50.0-20170920	9/20/2017	300.0	14797-65-0	Nitrite		U	1.6	2.2	mg/kg	R	m	MS/MSD %R	19,12; 26,26	80-120 %
4401926281	PCDB-8-60.0-20170920	9/20/2017	300.0	NO3/NO2-N	Nitrate Nitrite as N		U	1.7	2.3	mg/kg	R	m	MS/MSD %R	19,12; 26,26; 47,45	80-120 %
4401926281	PCDB-8-60.0-20170920	9/20/2017	300.0	14797-55-8_NO3	Nitrate as NO3		U	5.4	7.7	mg/kg	UJ	m	MS/MSD %R	47,45	80-120 %
4401926281	PCDB-8-60.0-20170920	9/20/2017	300.0	14797-65-0	Nitrite		U	1.7	2.3	mg/kg	R	m	MS/MSD %R	19,12; 26,26	80-120 %
4401926281	PCDB-8-70.0-20170920	9/20/2017	300.0	NO3/NO2-N	Nitrate Nitrite as N		U	1.6	2.2	mg/kg	R	m	MS/MSD %R	19,12; 26,26; 47,45	80-120 %
4401926281	PCDB-8-70.0-20170920	9/20/2017	300.0	14797-65-0	Nitrite		U	1.6	2.2	mg/kg	R	m	MS/MSD %R	19,12; 26,26	80-120 %
4401926281	PCDB-8-70.0-20170920	9/20/2017	300.0	14797-55-8_NO3	Nitrate as NO3		U	5.2	7.4	mg/kg	UJ	m	MS/MSD %R	47,45	80-120 %
4401926281	PCDB-8-80.0-20170920	9/20/2017	300.0	14797-65-0	Nitrite		UF1	1.6	2.1	mg/kg	R	m	MS/MSD %R	19,12; 26,26	80-120 %
4401926281	PCDB-8-80.0-20170920	9/20/2017	300.0	NO3/NO2-N	Nitrate Nitrite as N		U	1.6	2.1	mg/kg	R	m	MS/MSD %R	19,12; 26,26; 28,28	80-120 %
4401926281	PCDB-8-80.0-20170920	9/20/2017	300.0	14797-55-8_NO3	Nitrate as NO3		UF1	5.0	7.1	mg/kg	R	m	MS/MSD %R	28,28	80-120 %
4401926281	PCDB-8-90.0-20170920	9/20/2017	300.0	14797-65-0	Nitrite		U	1.6	2.2	mg/kg	R	m	MS/MSD %R	19,12; 26,26	80-120 %
4401926281	PCDB-8-90.0-20170920	9/20/2017	300.0	NO3/NO2-N	Nitrate Nitrite as N		U	1.6	2.2	mg/kg	R	m	MS/MSD %R	19,12; 26,26; 47,45	80-120 %
4401926281	PCDB-8-90.0-20170920	9/20/2017	300.0	14797-55-8_NO3	Nitrate as NO3		U	5.1	7.3	mg/kg	UJ	m	MS/MSD %R	47,45	80-120 %
4401928971	PC-177-20170925	9/25/2017	300.0	NO3/NO2-N	Nitrate Nitrite as N	400	J	350	750	ug/l	J	sp	< PQL		
4401928971	PC-177-20170925	9/25/2017	300.0	14797-55-8_NO3	Nitrate as NO3	1.8	J	1.3	2.5	mg/l	J	sp	< PQL		
4401929691	M-204-20170926	9/26/2017	300.0	24959-67-9	Bromide	260	J	250	500	ug/l	J	sp	< PQL		
4401930601	M-226-20170927	9/27/2017	300.0	7723-14-0P	Orthophosphate (total) (As P)	1400	J	800	1600	ug/l	J	sp	< PQL		
4401930601	PC-194-20170927	9/27/2017	300.0	24959-67-9	Bromide	430	J	250	500	ug/l	J	sp	< PQL		
4401930601	PC-194-20170927-FD	9/27/2017	300.0	24959-67-9	Bromide	450	J	250	500	ug/l	J	sp	< PQL		
4401931581	M-231-20170928	9/28/2017	300.0	24959-67-9	Bromide	350	J	250	500	ug/l	J	sp	< PQL		
4401931581	M-232-20170928	9/28/2017	300.0	24959-67-9	Bromide	440	J	250	500	ug/l	J	sp	< PQL		
4401931581	M-244-20170928	9/28/2017	300.0	24959-67-9	Bromide	470	J	250	500	ug/l	J	sp	< PQL		
4401932261	PC-188-20170929	9/29/2017	300.0	24959-67-9	Bromide	890	J	500	1000	ug/l	J	sp	< PQL		
4401932261	PC-192-20170929	9/29/2017	300.0	24959-67-9	Bromide	510	J	500	1000	ug/l	J	sp	< PQL		
4401938701	PC-179-20171009	10/9/2017	300.0	24959-67-9	Bromide	2000	J	1300	2500	ug/l	J	sp	< PQL		

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator <sup>1</sup>	Qualification Finding	Acceptance Criteria
4401939881	PC-191-20171010	10/10/2017	300.0	24959-67-9	Bromide	2700	J	2500	5000	ug/l	J	sp	< PQL		
4401939881	PC-191-20171010	10/10/2017	300.0	7723-14-0P	Orthophosphate (total) (As P)	1800		800	1600	ug/l	J-	m	MS/MSD %R	53,64	80-120 %
4401939881	PC-195-20171010	10/10/2017	300.0	7723-14-0P	Orthophosphate (total) (As P)		U	160	320	ug/l	UJ	m	MS/MSD %R	53,64	80-120 %
4401939881	PC-195-20171010	10/10/2017	300.0	24959-67-9	Bromide	630	J	500	1000	ug/l	J	sp	< PQL		
4401939881	PC-196-20171010	10/10/2017	300.0	24959-67-9	Bromide	550	J	500	1000	ug/l	J	sp	< PQL		
4401939881	PC-196-20171010	10/10/2017	300.0	7723-14-0P	Orthophosphate (total) (As P)		UF1	160	320	ug/l	UJ	m	MS/MSD %R	53,64	80-120 %
4401941071	M-225-20171011	10/11/2017	300.0	14797-65-0	Nitrite	120	J	70	150	ug/l	J	sp	< PQL		
4401941071	M-225-20171011	10/11/2017	300.0	24959-67-9	Bromide	270	J	250	500	ug/l	J	sp	< PQL		
4401941071	M-93-20171011	10/11/2017	300.0	24959-67-9	Bromide	780	J	500	1000	ug/l	J	sp	< PQL		
4401941071	PC-178-20171011	10/11/2017	300.0	24959-67-9	Bromide	620	J	500	1000	ug/l	J	sp	< PQL		
4401941071	PC-178-20171011-FD	10/11/2017	300.0	24959-67-9	Bromide	620	J	500	1000	ug/l	J	sp	< PQL		
4401941071	PC-197-20171011	10/11/2017	300.0	24959-67-9	Bromide	500	J	500	1000	ug/l	J	sp	< PQL		
4401942191	M-198-20171012	10/12/2017	300.0	24959-67-9	Bromide	770	J	500	1000	ug/l	J	sp	< PQL		
4401942191	M-198-20171012	10/12/2017	300.0	14797-65-0	Nitrite		UH	140	300	ug/l	UJ	h	Holding time	59.5	48 Hours
4401942191	M-198-20171012	10/12/2017	300.0	14797-55-8_NO3	Nitrate as NO3	20	H	0.50	1.0	mg/l	J-	h	Holding time	59.5	48 Hours
4401942191	M-198-20171012	10/12/2017	300.0	NO3/NO2-N	Nitrate Nitrite as N	4500		1.0	1.0	ug/l	J-	h	Holding time	59.5	48 Hours
4401942191	M-198-20171012	10/12/2017	300.0	7723-14-0P	Orthophosphate (total) (As P)		UH	80	320	ug/l	UJ	h	Holding time	59.5	48 Hours
4401942191	M-199-20171012	10/12/2017	300.0	14797-65-0	Nitrite		UH	3500	7500	ug/l	UJ	h	Holding time	59.23	48 Hours
4401942191	M-199-20171012	10/12/2017	300.0	NO3/NO2-N	Nitrate Nitrite as N	13000		1.0	1.0	ug/l	J-	h	Holding time	59.23	48 Hours
4401942191	M-199-20171012	10/12/2017	300.0	14797-55-8_NO3	Nitrate as NO3	58	H	13	25	mg/l	J-	h	Holding time	59.23	48 Hours
4401942191	M-199-20171012	10/12/2017	300.0	7723-14-0P	Orthophosphate (total) (As P)		UH	80	8000	ug/l	UJ	h	Holding time	59.23	48 Hours
4401942191	M-200-20171012	10/12/2017	300.0	14797-55-8_NO3	Nitrate as NO3	14	H	0.50	1.0	mg/l	J-	h	Holding time	55.63	48 Hours
4401942191	M-200-20171012	10/12/2017	300.0	14797-65-0	Nitrite		UH	140	300	ug/l	UJ	h	Holding time	55.63	48 Hours
4401942191	M-200-20171012	10/12/2017	300.0	NO3/NO2-N	Nitrate Nitrite as N	3100		1.0	1.0	ug/l	J-	h	Holding time	55.63	48 Hours
4401942191	M-200-20171012	10/12/2017	300.0	7723-14-0P	Orthophosphate (total) (As P)		UH	80	320	ug/l	UJ	h	Holding time	55.63	48 Hours
4401942821	M-83D-20171013	10/13/2017	300.0	24959-67-9	Bromide	330	J	250	500	ug/l	J	sp	< PQL		
4401943011	M-216-20171013	10/13/2017	300.0	14797-55-8_NO3	Nitrate as NO3	100		25	50	mg/l	J+	m	MS/MSD %R	-1,128	80-120 %
4401943011	M-216-20171013	10/13/2017	300.0	14797-65-0	Nitrite		U	140	300	ug/l	UJ	m	MS/MSD %R	78,78	80-120 %
4401943011	M-216-20171013	10/13/2017	300.0	NO3/NO2-N	Nitrate Nitrite as N	23000		1.0	1.0	ug/l	J+	m	MS/MSD %R	-1,128	80-120 %
4401943011	M-216-20171013	10/13/2017	300.0	24959-67-9	Bromide	860	J	500	1000	ug/l	J	sp	< PQL		
4401943011	M-217-20171013	10/13/2017	300.0	NO3/NO2-N	Nitrate Nitrite as N	5100		1.0	1.0	ug/l	J+	m	MS/MSD %R	-1,128	80-120 %
4401943011	M-217-20171013	10/13/2017	300.0	14797-65-0	Nitrite		U	70	150	ug/l	UJ	m	MS/MSD %R	78,78	80-120 %
4401943011	M-217-20171013	10/13/2017	300.0	14797-55-8_NO3	Nitrate as NO3	23		0.25	0.50	mg/l	J+	m	MS/MSD %R	-1,128	80-120 %
4401943011	M-218-20171013	10/13/2017	300.0	NO3/NO2-N	Nitrate Nitrite as N	2200		1.0	1.0	ug/l	J+	m	MS/MSD %R	-1,128	80-120 %
4401943011	M-218-20171013	10/13/2017	300.0	24959-67-9	Bromide	270	J	250	500	ug/l	J	sp	< PQL		
4401943011	M-218-20171013	10/13/2017	300.0	14797-65-0	Nitrite		U	70	150	ug/l	UJ	m	MS/MSD %R	78,78	80-120 %
4401943011	M-218-20171013	10/13/2017	300.0	14797-55-8_NO3	Nitrate as NO3	9.8		0.25	0.50	mg/l	J+	m	MS/MSD %R	-1,128	80-120 %
4401943011	M-220-20171013	10/13/2017	300.0	24959-67-9	Bromide	290	J	250	500	ug/l	J	sp	< PQL		
4401943011	M-220-20171013	10/13/2017	300.0	14797-55-8_NO3	Nitrate as NO3	16	F1	0.25	0.50	mg/l	J+	m	MS/MSD %R	-1,128	80-120 %
4401943011	M-220-20171013	10/13/2017	300.0	14797-65-0	Nitrite		UF1	70	150	ug/l	UJ	m	MS/MSD %R	78,78	80-120 %
4401943011	M-220-20171013	10/13/2017	300.0	NO3/NO2-N	Nitrate Nitrite as N	3500		1.0	1.0	ug/l	J+	m	MS/MSD %R	-1,128	80-120 %
4401944041	M-21D-20171016	10/16/2017	300.0	24959-67-9	Bromide	660	J	500	1000	ug/l	J	sp	< PQL		
4401944681	M-149-20171017	10/17/2017	300.0	24959-67-9	Bromide	640	J	500	1000	ug/l	J	sp	< PQL		
4401944701	M-224-20171017	10/17/2017	300.0	14797-55-8_NO3	Nitrate as NO3	7.5	J	5.0	10	mg/l	J	sp	< PQL		
4401944721	M-221-20171017	10/17/2017	300.0	24959-67-9	Bromide	280	J	250	500	ug/l	J	sp	< PQL		
4401944721	M-221-20171017	10/17/2017	300.0	7723-14-0P	Orthophosphate (total) (As P)	88	J	80	160	ug/l	J+	m,sp	MS/MSD %R; < PQL	137,142	80-120 %
4401944721	M-222-20171017	10/17/2017	300.0	24959-67-9	Bromide	270	J	250	500	ug/l	J	sp	< PQL		
4401944721	M-22D-20171017	10/17/2017	300.0	24959-67-9	Bromide	1300	J	1300	2500	ug/l	J	sp	< PQL		
4401944741	M-214-20171017	10/17/2017	300.0	24959-67-9	Bromide	1300	J	1300	2500	ug/l	J	sp	< PQL		
4401944741	M-214-20171017-EB	10/17/2017	300.0	14808-79-8	Sulfate	310	J	250	500	ug/l	J	sp	< PQL		
4401945691	M-36D-20171018	10/18/2017	300.0	14797-65-0	Nitrite	1200	J	700	1500	ug/l	J	sp	< PQL		
4401945691	M-36D-20171018	10/18/2017	300.0	24959-67-9	Bromide	3700	J	2500	5000	ug/l	J	sp	< PQL		
4401946971	M-228-20171019	10/19/2017	300.0	24959-67-9	Bromide	270	J	250	500	ug/l	J	sp	< PQL		
4401946971	M-228-20171019	10/19/2017	300.0	14797-65-0	Nitrite	140	J	70	150	ug/l	J	sp	< PQL		
4401947001	PC-155A-20171019	10/19/2017	300.0	24959-67-9	Bromide	930	J	500	1000	ug/l	J	sp	< PQL		

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator <sup>1</sup>	Qualification Finding	Acceptance Criteria
4401947001	PC-155A-20171019-FD	10/19/2017	300.0	24959-67-9	Bromide	920	J	500	1000	ug/l	J	sp	< PQL		
4401947001	PC-155B-20171019	10/19/2017	300.0	24959-67-9	Bromide	930	J	500	1000	ug/l	J	sp	< PQL		
4401947001	PC-156A-20171019	10/19/2017	300.0	24959-67-9	Bromide	500	J	500	1000	ug/l	J	sp	< PQL		
4401947001	PC-156B-20171019	10/19/2017	300.0	14797-55-8_NO3	Nitrate as NO3	0.68	J	0.50	1.0	mg/l	J	sp	< PQL		
4401947001	PC-156B-20171019	10/19/2017	300.0	24959-67-9	Bromide	530	J	500	1000	ug/l	J	sp	< PQL		
4401947711	M-125D-20171020	10/20/2017	300.0	7723-14-0P	Orthophosphate (total) (As P)		U	4000	8000	ug/l	UJ	m	MS/MSD %R	62,59	80-120 %
4401947711	M-125D-20171020	10/20/2017	300.0	14797-55-8_NO3	Nitrate as NO3	15	J	13	25	mg/l	J	sp	< PQL		
4401947711	M-202-20171020	10/20/2017	300.0	7723-14-0P	Orthophosphate (total) (As P)		U	800	1600	ug/l	UJ	m	MS/MSD %R	62,59	80-120 %
4401947711	M-203-20171020	10/20/2017	300.0	7723-14-0P	Orthophosphate (total) (As P)		U	1600	3200	ug/l	UJ	m	MS/MSD %R	62,59	80-120 %
4401947711	M-203-20171020	10/20/2017	300.0	14797-55-8_NO3	Nitrate as NO3	5.3	J	5.0	10	mg/l	J	sp	< PQL		
4401947711	M-5D-20171020	10/20/2017	300.0	7723-14-0P	Orthophosphate (total) (As P)		U	1600	3200	ug/l	UJ	m	MS/MSD %R	62,59	80-120 %
4401947711	PC-157A-20171020	10/20/2017	300.0	7723-14-0P	Orthophosphate (total) (As P)		UF1	160	320	ug/l	UJ	m	MS/MSD %R	62,59	80-120 %
4401947711	PC-157A-20171020	10/20/2017	300.0	24959-67-9	Bromide	590	J	500	1000	ug/l	J	sp	< PQL		
4401947711	PC-157B-20171020	10/20/2017	300.0	7723-14-0P	Orthophosphate (total) (As P)		U	400	800	ug/l	UJ	m	MS/MSD %R	62,59	80-120 %
4401948651	M-215-20171023	10/23/2017	300.0	7723-14-0P	Orthophosphate (total) (As P)		U	400	800	ug/l	R	m	MS/MSD %R	19,21	80-120 %
4401948651	M-219-20171023	10/23/2017	300.0	7723-14-0P	Orthophosphate (total) (As P)		U	400	800	ug/l	R	m	MS/MSD %R	19,21	80-120 %
4401948651	M-226-20171023	10/23/2017	300.0	7723-14-0P	Orthophosphate (total) (As P)	2200	F1	800	1600	ug/l	J-	m	MS/MSD %R	19,21	80-120 %
4401948651	M-227-20171023	10/23/2017	300.0	14797-55-8_NO3	Nitrate as NO3	5.2	J	5.0	10	mg/l	J	sp	< PQL		
4401948651	M-227-20171023	10/23/2017	300.0	7723-14-0P	Orthophosphate (total) (As P)		U	1600	3200	ug/l	R	m	MS/MSD %R	19,21	80-120 %
4401948651	M-81D-20171023	10/23/2017	300.0	7723-14-0P	Orthophosphate (total) (As P)		U	160	320	ug/l	R	m	MS/MSD %R	19,21	80-120 %
4401948651	M-81D-20171023	10/23/2017	300.0	24959-67-9	Bromide	630	J	500	1000	ug/l	J	sp	< PQL		
4401949081	PC-182-20171024	10/24/2017	300.0	NO3/NO2-N	Nitrate Nitrite as N	75	J	70	150	ug/l	J	sp	< PQL		
4401949081	PC-182-20171024	10/24/2017	300.0	24959-67-9	Bromide	340	J	250	500	ug/l	J	sp	< PQL		
4401949081	PC-182-20171024	10/24/2017	300.0	14797-55-8_NO3	Nitrate as NO3	0.33	J	0.25	0.50	mg/l	J	sp	< PQL		
4401949081	PC-182-20171024-FD	10/24/2017	300.0	24959-67-9	Bromide	340	J	250	500	ug/l	J	sp	< PQL		
4401949081	PC-182-20171024-FD	10/24/2017	300.0	14797-55-8_NO3	Nitrate as NO3	0.33	J	0.25	0.50	mg/l	J	sp	< PQL		
4401949081	PC-182-20171024-FD	10/24/2017	300.0	NO3/NO2-N	Nitrate Nitrite as N	75	J	70	150	ug/l	J	sp	< PQL		
4401949931	MC-MW-37R-20171025	10/25/2017	300.0	24959-67-9	Bromide	350	J	250	500	ug/l	J	sp	< PQL		
4401949931	MC-MW-37R-20171025	10/25/2017	300.0	14797-55-8_NO3	Nitrate as NO3	0.36	J	0.25	0.50	mg/l	J	sp	< PQL		
4401949971	H-49R-20171025	10/25/2017	300.0	7723-14-0P	Orthophosphate (total) (As P)	4000		800	1600	ug/l	J+	m	MS/MSD %R	123,-	80-120 %
4401951491	H-48-20171026	10/26/2017	300.0	24959-67-9	Bromide	6100	J	5000	10000	ug/l	J	sp	< PQL		
4401951491	H-56A-20171026	10/26/2017	300.0	24959-67-9	Bromide	1600	J	1300	2500	ug/l	J	sp	< PQL		
4401951521	MC-MW-36-20171026	10/26/2017	300.0	24959-67-9	Bromide	540	J	500	1000	ug/l	J	sp	< PQL		
4401952191	M-244-20171027	10/27/2017	300.0	7723-14-0P	Orthophosphate (total) (As P)	130	J	80	160	ug/l	J	sp	< PQL		
4401952191	M-244-20171027	10/27/2017	300.0	24959-67-9	Bromide	280	J	250	500	ug/l	J	sp	< PQL		
4401952191	M-245-20171027	10/27/2017	300.0	14797-55-8_NO3	Nitrate as NO3	3.7	J	0.25	5.0	mg/l	J	sp	< PQL		
4401952191	M-246-20171027	10/27/2017	300.0	14797-55-8_NO3	Nitrate as NO3	3.8	J	0.25	5.0	mg/l	J	sp	< PQL		
4401952191	PC-171-20171027	10/27/2017	300.0	24959-67-9	Bromide	1300	J	250	2500	ug/l	J	sp	< PQL		
4401953331	PC-174-20171030	10/30/2017	300.0	7723-14-0P	Orthophosphate (total) (As P)		U	80	3200	ug/l	UJ	ld	MS/MSD RPD	33	20 %
4401953331	PC-179-20171030	10/30/2017	300.0	7723-14-0P	Orthophosphate (total) (As P)		U	80	3200	ug/l	UJ	ld	MS/MSD RPD	33	20 %
4401953331	PC-190-20171030	10/30/2017	300.0	7723-14-0P	Orthophosphate (total) (As P)		U	80	8000	ug/l	UJ	ld	MS/MSD RPD	33	20 %
4401953331	PC-192-20171030	10/30/2017	300.0	24959-67-9	Bromide	510	J	250	1000	ug/l	J	sp	< PQL		
4401953331	PC-192-20171030	10/30/2017	300.0	7723-14-0P	Orthophosphate (total) (As P)		UF2F1	80	320	ug/l	UJ	ld	MS/MSD RPD	33	20 %
4401953681	PC-161-20171031	10/31/2017	300.0	7723-14-0P	Orthophosphate (total) (As P)		U	80	1600	ug/l	UJ	m	MS/MSD %R	71,71	80-120 %
4401953681	PC-161-20171031-FD	10/31/2017	300.0	7723-14-0P	Orthophosphate (total) (As P)		U	80	1600	ug/l	UJ	m	MS/MSD %R	71,71	80-120 %
4401953681	PC-162-20171031	10/31/2017	300.0	7723-14-0P	Orthophosphate (total) (As P)		U	80	3200	ug/l	UJ	m	MS/MSD %R	71,71	80-120 %
4401953681	PC-162-20171031-FD	10/31/2017	300.0	7723-14-0P	Orthophosphate (total) (As P)		U	80	3200	ug/l	UJ	m	MS/MSD %R	71,71	80-120 %
4401953681	PC-163-20171031	10/31/2017	300.0	7723-14-0P	Orthophosphate (total) (As P)		U	80	1600	ug/l	UJ	m	MS/MSD %R	71,71	80-120 %
4401953681	PC-177-20171031	10/31/2017	300.0	7723-14-0P	Orthophosphate (total) (As P)	1000	F1	80	800	ug/l	J-	m	MS/MSD %R	71,71	80-120 %
4401953681	PC-193-20171031	10/31/2017	300.0	7723-14-0P	Orthophosphate (total) (As P)		U	80	1600	ug/l	UJ	m	MS/MSD %R	71,71	80-120 %
4401953681	PC-194-20171031	10/31/2017	300.0	7723-14-0P	Orthophosphate (total) (As P)		U	80	320	ug/l	UJ	m	MS/MSD %R	71,71	80-120 %
4401953681	PC-194-20171031	10/31/2017	300.0	24959-67-9	Bromide	520	J	250	1000	ug/l	J	sp	< PQL		
4401954031	M-198-20171031	10/31/2017	300.0	24959-67-9	Bromide	570	J	250	1000	ug/l	J	sp	< PQL		
4401954371	PC-178-20171101	11/1/2017	300.0	24959-67-9	Bromide	660	J	250	1000	ug/l	J	sp	< PQL		
4401954371	PC-191-20171101	11/1/2017	300.0	24959-67-9	Bromide	2500	J	250	5000	ug/l	J	sp	< PQL		

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator <sup>1</sup>	Qualification Finding	Acceptance Criteria
4401954371	PC-195-20171101	11/1/2017	300.0	24959-67-9	Bromide	670	J	250	1000	ug/l	J	sp	< PQL		
4401954371	PC-196-20171101	11/1/2017	300.0	24959-67-9	Bromide	600	J	250	1000	ug/l	J	sp	< PQL		
4401954381	M-21D-20171101	11/1/2017	300.0	24959-67-9	Bromide	620	J	250	1000	ug/l	J	sp	< PQL		
4401954381	M-233-20171101	11/1/2017	300.0	24959-67-9	Bromide	280	J	250	500	ug/l	J	sp	< PQL		
4401956031	M-204-20171102	11/2/2017	300.0	24959-67-9	Bromide	270	J	250	500	ug/l	J	sp	< PQL		
4401956031	PC-188-20171102	11/2/2017	300.0	24959-67-9	Bromide	670	J	250	1000	ug/l	J	sp	< PQL		
4401956031	PC-197-20171102	11/2/2017	300.0	24959-67-9	Bromide	620	J	250	1000	ug/l	J	sp	< PQL		
4401956031	PC-197-20171102	11/2/2017	300.0	14797-55-8_NO3	Nitrate as NO3	0.98	J	0.25	1.0	mg/l	J	sp	< PQL		
4401956051	M-216-20171102	11/2/2017	300.0	24959-67-9	Bromide	520	J	250	1000	ug/l	J	sp	< PQL		
4401956051	M-217-20171102	11/2/2017	300.0	24959-67-9	Bromide	650	J	250	1000	ug/l	J	sp	< PQL		
4401956051	M-220-20171102	11/2/2017	300.0	24959-67-9	Bromide	270	J	250	500	ug/l	J	sp	< PQL		
4401956051	M-83D-20171102	11/2/2017	300.0	24959-67-9	Bromide	320	J	250	500	ug/l	J	sp	< PQL		
4401957141	M-149-20171103	11/3/2017	300.0	24959-67-9	Bromide	440	J	250	500	ug/l	J	sp	< PQL		
4401958171	M-208-20171106	11/6/2017	300.0	16887-00-6	Chloride	720000		250	100000	ug/l	J+	m	MS/MSD %R	124,125	80-120 %
4401958171	M-209-20171106	11/6/2017	300.0	16887-00-6	Chloride	1300000		250	100000	ug/l	J+	m	MS/MSD %R	124,125	80-120 %
4401958171	M-209-20171106-FD	11/6/2017	300.0	16887-00-6	Chloride	1300000		250	100000	ug/l	J+	m	MS/MSD %R	124,125	80-120 %
4401958171	M-210-20171106	11/6/2017	300.0	16887-00-6	Chloride	170000		250	10000	ug/l	J+	m	MS/MSD %R	124,125	80-120 %
4401958171	M-210-20171106	11/6/2017	300.0	24959-67-9	Bromide	270	J	250	500	ug/l	J	sp	< PQL		
4401958171	M-211-20171106	11/6/2017	300.0	16887-00-6	Chloride	850000		250	100000	ug/l	J+	m	MS/MSD %R	124,125	80-120 %
4401958171	M-212-20171106	11/6/2017	300.0	16887-00-6	Chloride	380000	F1	250	25000	ug/l	J+	m	MS/MSD %R	124,125	80-120 %
4401958171	M-212-20171106	11/6/2017	300.0	24959-67-9	Bromide	340	J	250	500	ug/l	J	sp	< PQL		
4401958231	M-232-20171106	11/6/2017	300.0	24959-67-9	Bromide	290	J	250	500	ug/l	J	sp	< PQL		
4401958231	M-235-20171106	11/6/2017	300.0	24959-67-9	Bromide	370	J	250	500	ug/l	J	sp	< PQL		
4401958231	M-238-20171106	11/6/2017	300.0	24959-67-9	Bromide	510	J	250	1000	ug/l	J	sp	< PQL		
4401959471	M-223-20171107-FB	11/7/2017	300.0	16887-00-6	Chloride	300	J	250	500	ug/l	J	sp	< PQL		
4401959471	M-229-20171107	11/7/2017	300.0	24959-67-9	Bromide	900	J	250	1000	ug/l	J	sp	< PQL		
4401959471	M-230-20171107	11/7/2017	300.0	7723-14-0P	Orthophosphate (total) (As P)	88	J	80	160	ug/l	J	sp	< PQL		
4401959471	M-230-20171107	11/7/2017	300.0	24959-67-9	Bromide	320	J	250	500	ug/l	J	sp	< PQL		
4401959471	M-230-20171107-FD	11/7/2017	300.0	24959-67-9	Bromide	320	J	250	500	ug/l	J	sp	< PQL		
4401959491	M-213-20171107	11/7/2017	300.0	NO3/NO2-N	Nitrate Nitrite as N	1200		1.0	1.0	ug/l	J-	m	MS/MSD %R	54,47	80-120 %
4401959491	M-213-20171107	11/7/2017	300.0	24959-67-9	Bromide	260	J	250	500	ug/l	J	sp	< PQL		
4401959491	M-213-20171107	11/7/2017	300.0	14797-55-8_NO3	Nitrate as NO3	5.2	F1	0.25	0.50	mg/l	J-	m	MS/MSD %R	54,47	80-120 %
4401959491	M-225-20171107	11/7/2017	300.0	24959-67-9	Bromide	270	J	250	500	ug/l	J	sp	< PQL		
4401959491	M-225-20171107	11/7/2017	300.0	14797-55-8_NO3	Nitrate as NO3	4.5		0.25	0.50	mg/l	J+	be	EB contamination	0.66	mg/L
4401959491	M-225-20171107	11/7/2017	300.0	NO3/NO2-N	Nitrate Nitrite as N	1200		1.0	1.0	ug/l	J+	be	EB contamination	150	ug/L
4401959491	M-236-20171107	11/7/2017	300.0	NO3/NO2-N	Nitrate Nitrite as N	1600		1.0	1.0	ug/l	J-	m	MS/MSD %R	54,47	80-120 %
4401959491	M-236-20171107	11/7/2017	300.0	14797-55-8_NO3	Nitrate as NO3	7.0		0.25	0.50	mg/l	J-	m	MS/MSD %R	54,47	80-120 %
4401959491	M-236-20171107	11/7/2017	300.0	24959-67-9	Bromide	310	J	250	500	ug/l	J	sp	< PQL		
4401882961	M-197-140.0-20170712	7/12/2017	300.1B	14866-68-3	Chlorate	0.20	J	0.065	0.26	mg/kg	J	sp	< PQL		
4401889421	RI-6-120.0-20170725	7/25/2017	300.1B	14866-68-3	Chlorate	0.19	J	0.083	0.33	mg/kg	J	sp	< PQL		
4401890601	RI-14-30.0-20170726	7/26/2017	300.1B	14866-68-3	Chlorate	0.12	J	0.054	0.22	mg/kg	J	sp	< PQL		
4401891401	RI-14-100.0-20170727	7/27/2017	300.1B	14866-68-3	Chlorate	11		0.14	0.57	mg/kg	J	m,ld	MS/MSD %R, RPD	230,342; 24	20; 75-125 %
4401891401	RI-14-100.0-20170727-FD	7/27/2017	300.1B	14866-68-3	Chlorate	13		0.36	1.5	mg/kg	J	m,ld	MS/MSD %R, RPD	230,342; 24	20; 75-125 %
4401891401	RI-14-110.0-20170727	7/27/2017	300.1B	14866-68-3	Chlorate	9.1		0.19	0.77	mg/kg	J	m,ld	MS/MSD %R, RPD	230,342; 24	20; 75-125 %
4401891401	RI-14-120.0-20170727	7/27/2017	300.1B	14866-68-3	Chlorate	1.6		0.074	0.30	mg/kg	J	m,ld	MS/MSD %R, RPD	230,342; 24	20; 75-125 %
4401891401	RI-14-130.0-20170727	7/27/2017	300.1B	14866-68-3	Chlorate	3.4		0.085	0.34	mg/kg	J	m,ld	MS/MSD %R, RPD	230,342; 24	20; 75-125 %
4401891401	RI-14-90.0-20170727	7/27/2017	300.1B	14866-68-3	Chlorate	2.8	F1	0.079	0.32	mg/kg	J	m,ld	MS/MSD %R, RPD	230,342; 24	20; 75-125 %
4401892231	RI-15-20.0-20170728	7/28/2017	300.1B	14866-68-3	Chlorate	2.5	J	1.1	4.4	mg/kg	J	sp	< PQL		
4401892601	RI-15-30.0-20170730	7/30/2017	300.1B	14866-68-3	Chlorate	0.16	J	0.053	0.21	mg/kg	J	sp	< PQL		
4401892611	PCDB-4-60.0-20170730	7/30/2017	300.1B	14866-68-3	Chlorate	0.19	J	0.093	0.37	mg/kg	J	sp	< PQL		
4401892611	PCDB-4-80.0-20170730	7/30/2017	300.1B	14866-68-3	Chlorate	0.27	J	0.077	0.31	mg/kg	J	sp	< PQL		
4401901811	PCDB-10-90.0-20170813	8/13/2017	300.1B	14866-68-3	Chlorate	0.15	J	0.085	0.34	mg/kg	J	sp	< PQL		
4401902771	PCDB-13-90.0-20170814	8/14/2017	300.1B	14866-68-3	Chlorate	0.28	J	0.071	0.29	mg/kg	J	sp	< PQL		
4401906751	PC-40-20170821	8/21/2017	300.1B	14866-68-3	Chlorate	160	J	100	200	ug/l	J	sp	< PQL		
4401907511	MC-62-20170822	8/22/2017	300.1B	14866-68-3	Chlorate	610	J	500	1000	ug/l	J	sp	< PQL		

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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	Data Quality Indicator <sup>1</sup>	Qualification Finding	Acceptance Criteria
4401919071	PC-170-20170911	9/11/2017	300.1B	14866-68-3	Chlorate	180	J	100	200	ug/l	J	sp	< PQL		
4401921061	PC-162-20170913	9/13/2017	300.1B	14866-68-3	Chlorate	39	J	20	40	ug/l	J	sp	< PQL		
4401925701	PCDB-9-80.0-20170919	9/19/2017	300.1B	14866-68-3	Chlorate	0.088	J	0.075	0.30	mg/kg	J	sp	< PQL		
4401925701	PCDB-9-80.0-20170919-FD	9/19/2017	300.1B	14866-68-3	Chlorate	0.084	J	0.073	0.29	mg/kg	J	sp	< PQL		
4401926281	PCDB-8-90.0-20170920	9/20/2017	300.1B	14866-68-3	Chlorate	0.25	J	0.073	0.29	mg/kg	J	sp	< PQL		
4401931581	M-231-20170928	9/28/2017	300.1B	14866-68-3	Chlorate	19	J	10	20	ug/l	J	sp	< PQL		
4401948651	M-226-20171023	10/23/2017	300.1B	14866-68-3	Chlorate	200	J	200	400	ug/l	J	sp	< PQL		
4401949051	PC-187-20171024	10/24/2017	300.1B	14866-68-3	Chlorate	1100000		100000	200000	ug/l	J	fd	FD RPD	31	30 %
4401949051	PC-187-20171024-FD	10/24/2017	300.1B	14866-68-3	Chlorate	1500000		100000	200000	ug/l	J	fd	FD RPD	31	30 %
4401949081	PC-170-20171024	10/24/2017	300.1B	14866-68-3	Chlorate	130	J	100	200	ug/l	J	sp	< PQL		
4401951491	PC-40-20171026	10/26/2017	300.1B	14866-68-3	Chlorate	140	J	100	200	ug/l	J	sp	< PQL		
4401882961	M-197-100.0-20170712	7/12/2017	314.0	14797-73-0	Perchlorate	4.4		0.072	0.076	mg/kg	J+	m	MS/MSD %R	446,320	30-120 %
4401882961	M-197-110.0-20170712	7/12/2017	314.0	14797-73-0	Perchlorate	170		2.6	2.7	mg/kg	J+	m	MS/MSD %R	446,320	30-120 %
4401882961	M-197-120.0-20170712	7/12/2017	314.0	14797-73-0	Perchlorate	250		2.6	2.7	mg/kg	J+	m	MS/MSD %R	446,320	30-120 %
4401882961	M-197-120.0-20170712-FD	7/12/2017	314.0	14797-73-0	Perchlorate	270		2.6	2.8	mg/kg	J+	m	MS/MSD %R	446,320	30-120 %
4401882961	M-197-130.0-20170712	7/12/2017	314.0	14797-73-0	Perchlorate	3.4		0.11	0.11	mg/kg	J+	m	MS/MSD %R	446,320	30-120 %
4401882961	M-197-140.0-20170712	7/12/2017	314.0	14797-73-0	Perchlorate	0.056		0.012	0.013	mg/kg	J+	m	MS/MSD %R	446,320	30-120 %
4401884901	M-195-100.0-20170717	7/17/2017	314.0	14797-73-0	Perchlorate	11		0.71	0.75	mg/kg	J+	m	MS/MSD %R	446,320	30-120 %
4401885351	M-195-120.0-20170718	7/18/2017	314.0	14797-73-0	Perchlorate	7.3		0.66	0.70	mg/kg	J+	m	MS/MSD %R	446,320	30-120 %
4401885351	M-195-140.0-20170718	7/18/2017	314.0	14797-73-0	Perchlorate	1.9	F1	0.075	0.079	mg/kg	J+	m	MS/MSD %R	446,320	30-120 %
4401885351	M-195-150.0-20170718	7/18/2017	314.0	14797-73-0	Perchlorate	72		0.79	0.84	mg/kg	J+	m	MS/MSD %R	446,320	30-120 %
4401889421	RI-6-100.0-20170725	7/25/2017	314.0	14797-73-0	Perchlorate	0.45	F1	0.017	0.017	mg/kg	J-	m	MS/MSD %R	-.76	80-120 %
4401889421	RI-6-105.0-20170725	7/25/2017	314.0	14797-73-0	Perchlorate	0.29		0.014	0.015	mg/kg	J-	m	MS/MSD %R	-.76	80-120 %
4401889421	RI-6-110.0-20170725	7/25/2017	314.0	14797-73-0	Perchlorate	1.2		0.016	0.017	mg/kg	J-	m	MS/MSD %R	-.76	80-120 %
4401889421	RI-6-115.0-20170725	7/25/2017	314.0	14797-73-0	Perchlorate	0.085		0.017	0.018	mg/kg	J-	m	MS/MSD %R	-.76	80-120 %
4401889421	RI-6-120.0-20170725	7/25/2017	314.0	14797-73-0	Perchlorate	0.035		0.016	0.017	mg/kg	J-	m	MS/MSD %R	-.76	80-120 %
4401889421	RI-6-125.0-20170725	7/25/2017	314.0	14797-73-0	Perchlorate		U	0.015	0.015	mg/kg	UJ	m	MS/MSD %R	-.76	80-120 %
4401889421	RI-6-130.0-20170725	7/25/2017	314.0	14797-73-0	Perchlorate		U	0.014	0.015	mg/kg	UJ	m	MS/MSD %R	-.76	80-120 %
4401889421	RI-6-135.0-20170725	7/25/2017	314.0	14797-73-0	Perchlorate		U	0.015	0.016	mg/kg	UJ	m	MS/MSD %R	-.76	80-120 %
4401889421	RI-6-140.0-20170725	7/25/2017	314.0	14797-73-0	Perchlorate		U	0.016	0.017	mg/kg	UJ	m	MS/MSD %R	-.76	80-120 %
4401889421	RI-6-145.0-20170725	7/25/2017	314.0	14797-73-0	Perchlorate		U	0.013	0.014	mg/kg	UJ	m	MS/MSD %R	-.76	80-120 %
4401889421	RI-6-150.0-20170725	7/25/2017	314.0	14797-73-0	Perchlorate		U	0.012	0.012	mg/kg	UJ	m	MS/MSD %R	-.76	80-120 %
4401889421	RI-6-90.0-20170725	7/25/2017	314.0	14797-73-0	Perchlorate	0.76		0.014	0.015	mg/kg	J-	m	MS/MSD %R	-.76	80-120 %
4401889421	RI-6-90.0-20170725-FD	7/25/2017	314.0	14797-73-0	Perchlorate	0.78		0.015	0.015	mg/kg	J-	m	MS/MSD %R	-.76	80-120 %
4401889421	RI-6-95.0-20170725	7/25/2017	314.0	14797-73-0	Perchlorate	0.45		0.014	0.015	mg/kg	J-	m	MS/MSD %R	-.76	80-120 %
4401891401	RI-14-100.0-20170727	7/27/2017	314.0	14797-73-0	Perchlorate	1.4		0.068	0.072	mg/kg	J	fd,m	FD RPD; MS/MSD %R	53; 57,59	50; 80-120 %
4401891401	RI-14-100.0-20170727-FD	7/27/2017	314.0	14797-73-0	Perchlorate	0.81		0.014	0.015	mg/kg	J	fd,m	FD RPD; MS/MSD %R	53; 57,59	50; 80-120 %
4401891401	RI-14-105.0-20170727	7/27/2017	314.0	14797-73-0	Perchlorate		U	0.014	0.015	mg/kg	UJ	m	MS/MSD %R	57,59	80-120 %
4401891401	RI-14-110.0-20170727	7/27/2017	314.0	14797-73-0	Perchlorate	0.96		0.018	0.019	mg/kg	J-	m	MS/MSD %R	57,59	80-120 %
4401891401	RI-14-115.0-20170727	7/27/2017	314.0	14797-73-0	Perchlorate		U	0.016	0.017	mg/kg	UJ	m	MS/MSD %R	57,59	80-120 %
4401891401	RI-14-120.0-20170727	7/27/2017	314.0	14797-73-0	Perchlorate	0.15		0.014	0.015	mg/kg	J-	m	MS/MSD %R	57,59	80-120 %
4401891401	RI-14-125.0-20170727	7/27/2017	314.0	14797-73-0	Perchlorate		U	0.014	0.015	mg/kg	UJ	m	MS/MSD %R	57,59	80-120 %
4401891401	RI-14-130.0-20170727	7/27/2017	314.0	14797-73-0	Perchlorate	0.38		0.016	0.017	mg/kg	J-	m	MS/MSD %R	57,59	80-120 %
4401891401	RI-14-135.0-20170727	7/27/2017	314.0	14797-73-0	Perchlorate		U	0.017	0.017	mg/kg	UJ	m	MS/MSD %R	57,59	80-120 %
4401891401	RI-14-140.0-20170727	7/27/2017	314.0	14797-73-0	Perchlorate	1.0		0.078	0.082	mg/kg	J-	m	MS/MSD %R	57,59	80-120 %
4401891401	RI-14-145.0-20170727	7/27/2017	314.0	14797-73-0	Perchlorate		U	0.013	0.013	mg/kg	UJ	m	MS/MSD %R	57,59	80-120 %
4401891401	RI-14-150.0-20170727	7/27/2017	314.0	14797-73-0	Perchlorate	1.4		0.071	0.075	mg/kg	J-	m	MS/MSD %R	57,59	80-120 %
4401891401	RI-14-90.0-20170727	7/27/2017	314.0	14797-73-0	Perchlorate	3.1		0.075	0.079	mg/kg	J-	m	MS/MSD %R	57,59	80-120 %
4401891401	RI-14-95.0-20170727	7/27/2017	314.0	14797-73-0	Perchlorate		U	0.014	0.015	mg/kg	UJ	m	MS/MSD %R	57,59	80-120 %
4401892611	PCDB-4-10.0-20170730	7/30/2017	314.0	14797-73-0	Perchlorate	0.040	F1	0.010	0.011	mg/kg	J-	m	MS/MSD %R	78,77	80-120 %
4401892611	PCDB-4-70.0-20170730	7/30/2017	314.0	14797-73-0	Perchlorate	0.015	J	0.015	0.016	mg/kg	J	sp	< PQL		
4401892891	RI-15-110.0-20170731	7/31/2017	314.0	14797-73-0	Perchlorate	6.4		0.72	0.76	mg/kg	J	fd	FD RPD	53	50 %
4401892891	RI-15-110.0-20170731-FD	7/31/2017	314.0	14797-73-0	Perchlorate	11		0.69	0.73	mg/kg	J	fd	FD RPD	53	50 %
4401901531	PCDB-11-80.0-20170811	8/11/2017	314.0	14797-73-0	Perchlorate	28		0.60	0.63	mg/kg	J	fd	FD RPD	82	50 %
4401901531	PCDB-11-80.0-20170811-FD	8/11/2017	314.0	14797-73-0	Perchlorate	67		1.2	1.3	mg/kg	J	fd	FD RPD	82	50 %

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator <sup>1</sup>	Qualification Finding	Acceptance Criteria
4401901811	PCDB-10-70.0-20170813	8/13/2017	314.0	14797-73-0	Perchlorate	65		1.4	1.5	mg/kg	J	fd	FD RPD	117	50 %
4401901811	PCDB-10-70.0-20170813-FD	8/13/2017	314.0	14797-73-0	Perchlorate	17		0.59	0.62	mg/kg	J	fd	FD RPD	117	50 %
4401910761	PCDB-14-10.0-20170826	8/26/2017	314.0	14797-73-0	Perchlorate	0.72		0.010	0.011	mg/kg	J-	m	MS/MSD %R	79,74	80-120 %
4401910761	PCDB-14-40.0-20170826	8/26/2017	314.0	14797-73-0	Perchlorate	90		1.4	1.5	mg/kg	J-	m	MS/MSD %R	79,74	80-120 %
4401910761	PCDB-14-5.0-20170826	8/26/2017	314.0	14797-73-0	Perchlorate	1.4		0.052	0.054	mg/kg	J-	m	MS/MSD %R	79,74	80-120 %
4401910761	PCDB-14-50.0-20170826	8/26/2017	314.0	14797-73-0	Perchlorate	54		0.68	0.71	mg/kg	J-	m	MS/MSD %R	79,74	80-120 %
4401910761	PCDB-14-60.0-20170826	8/26/2017	314.0	14797-73-0	Perchlorate	18		0.77	0.81	mg/kg	J-	m	MS/MSD %R	79,74	80-120 %
4401910761	PCDB-14-70.0-20170826	8/26/2017	314.0	14797-73-0	Perchlorate	0.44		0.013	0.014	mg/kg	J-	m	MS/MSD %R	79,74	80-120 %
4401910761	PCDB-14-80.0-20170826	8/26/2017	314.0	14797-73-0	Perchlorate	1.4		0.027	0.029	mg/kg	J-	m	MS/MSD %R	79,74	80-120 %
4401910761	PCDB-14-80.0-20170826-FD	8/26/2017	314.0	14797-73-0	Perchlorate	2.2		0.068	0.072	mg/kg	J-	m	MS/MSD %R	79,74	80-120 %
4401910761	PCDB-14-90.0-20170826	8/26/2017	314.0	14797-73-0	Perchlorate		UF1	0.014	0.014	mg/kg	UJ	m	MS/MSD %R	79,74	80-120 %
4401921061	PC-162-20170913	9/13/2017	314.0	14797-73-0	Perchlorate	8.7	F1	0.95	4.0	ug/l	J+	m	MS/MSD %R	212,220	80-120 %
4401922531	PC-166-20170914	9/14/2017	314.0	14797-73-0	Perchlorate	6.1	J	4.8	20	ug/l	J	sp	< PQL		
4401929691	M-204-20170926	9/26/2017	314.0	14797-73-0	Perchlorate	2.3	J	0.95	4.0	ug/l	J	sp	< PQL		
4401939881	PC-195-20171010	10/10/2017	314.0	14797-73-0	Perchlorate	3.1	J	0.95	4.0	ug/l	J	sp	< PQL		
4401944721	M-222-20171017	10/17/2017	314.0	14797-73-0	Perchlorate	2.4	J	0.95	4.0	ug/l	J	sp	< PQL		
4401946971	M-228-20171019	10/19/2017	314.0	14797-73-0	Perchlorate	12	J	4.8	20	ug/l	J	sp	< PQL		
4401949051	PC-183-20171024	10/24/2017	314.0	14797-73-0	Perchlorate	840000		9500	40000	ug/l	J-	m	MS/MSD %R	50,47	80-120 %
4401949051	PC-184-20171024	10/24/2017	314.0	14797-73-0	Perchlorate	130000		9500	40000	ug/l	J-	m	MS/MSD %R	77,71	80-120 %
4401949051	PC-185-20171024	10/24/2017	314.0	14797-73-0	Perchlorate	68000	F1	950	4000	ug/l	J-	m	MS/MSD %R	50,47	80-120 %
4401949051	PC-187-20171024	10/24/2017	314.0	14797-73-0	Perchlorate	980000		9500	40000	ug/l	J-	m	MS/MSD %R	50,47	80-120 %
4401949051	PC-187-20171024-FD	10/24/2017	314.0	14797-73-0	Perchlorate	880000		48000	200000	ug/l	J-	m	MS/MSD %R	77,71	80-120 %
4401949081	PC-170-20171024	10/24/2017	314.0	14797-73-0	Perchlorate	32	J	9.5	40	ug/l	J	sp	< PQL		
4401949081	PC-173-20171024	10/24/2017	314.0	14797-73-0	Perchlorate	3300	F1	95	400	ug/l	J-	m	MS/MSD %R	77,71	80-120 %
4401949931	PC-37-20171025-EB	10/25/2017	314.0	14797-73-0	Perchlorate	1.1	J	0.95	4.0	ug/l	J	sp	< PQL		
4401953361	PC-166-20171030	10/30/2017	314.0	14797-73-0	Perchlorate	27	J	0.95	40	ug/l	J	sp	< PQL		
4401956031	M-204-20171102	11/2/2017	314.0	14797-73-0	Perchlorate	3.1	J	0.95	4.0	ug/l	J	sp	< PQL		
4401956051	M-218-20171102	11/2/2017	314.0	14797-73-0	Perchlorate	2.0	J	0.95	4.0	ug/l	J	sp	< PQL		
4401959491	M-213-20171107	11/7/2017	314.0	14797-73-0	Perchlorate	1900	F1	0.95	400	ug/l	J+	m	MS/MSD %R	127,124	80-120 %
4401914941	M-238-20170905	9/5/2017	365.3	7723-14-0	Phosphorus (total)	39	J	25	50	ug/l	J	sp	< PQL		
4401917751	M-243-20170908	9/8/2017	365.3	7723-14-0	Phosphorus (total)	37	J	25	50	ug/l	J	sp	< PQL		
4401917751	M-243-20170908-FD	9/8/2017	365.3	7723-14-0	Phosphorus (total)	27	J	25	50	ug/l	J	sp	< PQL		
4401919071	M-229-20170911	9/11/2017	365.3	7723-14-0	Phosphorus (total)	29	J	25	50	ug/l	J	sp	< PQL		
4401919071	PC-173-20170911	9/11/2017	365.3	7723-14-0	Phosphorus (total)	42	J	25	50	ug/l	J	sp	< PQL		
4401921061	M-230-20170913	9/13/2017	365.3	7723-14-0	Phosphorus (total)	46	J	25	50	ug/l	J	sp	< PQL		
4401921061	PC-162-20170913	9/13/2017	365.3	7723-14-0	Phosphorus (total)	28	J	25	50	ug/l	J	sp	< PQL		
4401921141	PC-193-20170913	9/13/2017	365.3	7723-14-0	Phosphorus (total)	25	J	25	50	ug/l	J	sp	< PQL		
4401928971	PC-177-20170925	9/25/2017	365.3	7723-14-0	Phosphorus (total)	42	J	25	50	ug/l	J	sp	< PQL		
4401929691	M-204-20170926	9/26/2017	365.3	7723-14-0	Phosphorus (total)	25	J	25	50	ug/l	J	sp	< PQL		
4401929691	PC-174-20170926	9/26/2017	365.3	7723-14-0	Phosphorus (total)	27	J	25	50	ug/l	J	sp	< PQL		
4401930601	PC-186-20170927	9/27/2017	365.3	7723-14-0	Phosphorus (total)	29	J	25	50	ug/l	J	sp	< PQL		
4401930601	PC-190-20170927	9/27/2017	365.3	7723-14-0	Phosphorus (total)	36	J	25	50	ug/l	J	sp	< PQL		
4401931581	M-231-20170928	9/28/2017	365.3	7723-14-0	Phosphorus (total)	41	J	25	50	ug/l	J	sp	< PQL		
4401931581	M-244-20170928	9/28/2017	365.3	7723-14-0	Phosphorus (total)	32	J	25	50	ug/l	J	sp	< PQL		
4401932261	PC-165-20170929	9/29/2017	365.3	7723-14-0	Phosphorus (total)	26	J	25	50	ug/l	J	sp	< PQL		
4401932261	PC-188-20170929	9/29/2017	365.3	7723-14-0	Phosphorus (total)	35	J	25	50	ug/l	J	sp	< PQL		
4401939881	PC-191-20171010	10/10/2017	365.3	7723-14-0	Phosphorus (total)	40	J	25	50	ug/l	J	sp	< PQL		
4401941071	M-223-20171011	10/11/2017	365.3	7723-14-0	Phosphorus (total)		U	25	50	ug/l	R	m	MS/MSD %R	15,19	75-125 %
4401941071	M-225-20171011	10/11/2017	365.3	7723-14-0	Phosphorus (total)		U	25	50	ug/l	R	m	MS/MSD %R	15,19	75-125 %
4401941071	M-93-20171011	10/11/2017	365.3	7723-14-0	Phosphorus (total)		U	25	50	ug/l	R	m	MS/MSD %R	15,19	75-125 %
4401941071	PC-178-20171011	10/11/2017	365.3	7723-14-0	Phosphorus (total)		U	25	50	ug/l	R	m	MS/MSD %R	15,19	75-125 %
4401941071	PC-178-20171011-FD	10/11/2017	365.3	7723-14-0	Phosphorus (total)		U	25	50	ug/l	R	m	MS/MSD %R	15,19	75-125 %
4401941071	PC-197-20171011	10/11/2017	365.3	7723-14-0	Phosphorus (total)		U	25	50	ug/l	R	m	MS/MSD %R	15,19	75-125 %
4401941941	M-196-20171012	10/12/2017	365.3	7723-14-0	Phosphorus (total)		U	25	50	ug/l	R	m	MS/MSD %R	15,19	75-125 %
4401942191	M-198-20171012	10/12/2017	365.3	7723-14-0	Phosphorus (total)	30	J	25	50	ug/l	J-	m,sp	MS/MSD %R; < PQL	15,19	75-125 %



Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator <sup>1</sup>	Qualification Finding	Acceptance Criteria
4401942191	M-199-20171012	10/12/2017	365.3	7723-14-0	Phosphorus (total)	26	JF1	25	50	ug/l	J-	m,sp	MS/MSD %R; < PQL	15,19	75-125 %
4401942191	M-200-20171012	10/12/2017	365.3	7723-14-0	Phosphorus (total)		U	25	50	ug/l	R	m	MS/MSD %R	15,19	75-125 %
4401942821	M-83D-20171013	10/13/2017	365.3	7723-14-0	Phosphorus (total)	50		25	50	ug/l	J-	m	MS/MSD %R	15,19	75-125 %
4401944701	M-224-20171017	10/17/2017	365.3	7723-14-0	Phosphorus (total)	25	J	25	50	ug/l	J	sp	< PQL		
4401946971	M-228-20171019	10/19/2017	365.3	7723-14-0	Phosphorus (total)	29	J	25	50	ug/l	J	sp	< PQL		
4401947711	M-125D-20171020	10/20/2017	365.3	7723-14-0	Phosphorus (total)	28	J	25	50	ug/l	J	sp	< PQL		
4401947711	M-202-20171020	10/20/2017	365.3	7723-14-0	Phosphorus (total)	32	J	25	50	ug/l	J	sp	< PQL		
4401947711	PC-157B-20171020	10/20/2017	365.3	7723-14-0	Phosphorus (total)	40	J	25	50	ug/l	J	sp	< PQL		
4401948651	M-215-20171023	10/23/2017	365.3	7723-14-0	Phosphorus (total)	72		25	50	ug/l	J-	m	MS/MSD %R	23,23	75-125 %
4401948651	M-219-20171023	10/23/2017	365.3	7723-14-0	Phosphorus (total)	140		25	50	ug/l	J-	m	MS/MSD %R	23,23	75-125 %
4401948651	M-226-20171023	10/23/2017	365.3	7723-14-0	Phosphorus (total)	29	J	25	50	ug/l	J-	m,sp	MS/MSD %R; < PQL	23,23	75-125 %
4401948651	M-227-20171023	10/23/2017	365.3	7723-14-0	Phosphorus (total)	33	J	25	50	ug/l	J-	m,sp	MS/MSD %R; < PQL	23,23	75-125 %
4401948651	M-81D-20171023	10/23/2017	365.3	7723-14-0	Phosphorus (total)		U	25	50	ug/l	R	m	MS/MSD %R	23,23	75-125 %
4401949051	PC-184-20171024	10/24/2017	365.3	7723-14-0	Phosphorus (total)	38	J	25	50	ug/l	J	sp	< PQL		
4401949081	PC-173-20171024	10/24/2017	365.3	7723-14-0	Phosphorus (total)	48	JF1	25	50	ug/l	J-	m,sp	MS/MSD %R; < PQL	23,23	75-125 %
4401949081	PC-180-20171024	10/24/2017	365.3	7723-14-0	Phosphorus (total)	70		25	50	ug/l	J-	m	MS/MSD %R	23,23	75-125 %
4401949081	PC-181-20171024	10/24/2017	365.3	7723-14-0	Phosphorus (total)	32	J	25	50	ug/l	J-	m,sp	MS/MSD %R; < PQL	23,23	75-125 %
4401949081	PC-182-20171024	10/24/2017	365.3	7723-14-0	Phosphorus (total)	55		25	50	ug/l	J-	m	MS/MSD %R	23,23	75-125 %
4401949081	PC-182-20171024-FD	10/24/2017	365.3	7723-14-0	Phosphorus (total)	54		25	50	ug/l	J-	m	MS/MSD %R	23,23	75-125 %
4401949931	MC-MW-38-20171025	10/25/2017	365.3	7723-14-0	Phosphorus (total)	47	J	25	50	ug/l	J	sp	< PQL		
4401949971	PC-73-20171025	10/25/2017	365.3	7723-14-0	Phosphorus (total)	32	J	25	50	ug/l	J	sp	< PQL		
4401951491	H-48-20171026	10/26/2017	365.3	7723-14-0	Phosphorus (total)	27	J	25	50	ug/l	J	sp	< PQL		
4401951521	MC-MW-37-20171026	10/26/2017	365.3	7723-14-0	Phosphorus (total)	26	J	25	50	ug/l	J	sp	< PQL		
4401951521	PC-72-20171026-FD	10/26/2017	365.3	7723-14-0	Phosphorus (total)	29	J	25	50	ug/l	J	sp	< PQL		
4401952191	M-243-20171027	10/27/2017	365.3	7723-14-0	Phosphorus (total)	32	J	25	50	ug/l	J	sp	< PQL		
4401952191	M-244-20171027	10/27/2017	365.3	7723-14-0	Phosphorus (total)	45	J	25	50	ug/l	J	sp	< PQL		
4401952191	M-44-20171027	10/27/2017	365.3	7723-14-0	Phosphorus (total)	26	J	25	50	ug/l	J	sp	< PQL		
4401953331	PC-174-20171030	10/30/2017	365.3	7723-14-0	Phosphorus (total)	43	J	25	50	ug/l	J	sp	< PQL		
4401953331	PC-179-20171030	10/30/2017	365.3	7723-14-0	Phosphorus (total)	39	J	25	50	ug/l	J	sp	< PQL		
4401953361	PC-169-20171030	10/30/2017	365.3	7723-14-0	Phosphorus (total)	34	J	25	50	ug/l	J	sp	< PQL		
4401953681	PC-177-20171031	10/31/2017	365.3	7723-14-0	Phosphorus (total)	25	J	25	50	ug/l	J	sp	< PQL		
4401953681	PC-194-20171031	10/31/2017	365.3	7723-14-0	Phosphorus (total)	42	J	25	50	ug/l	J	sp	< PQL		
4401954031	M-198-20171031	10/31/2017	365.3	7723-14-0	Phosphorus (total)	42	J	25	50	ug/l	J	sp	< PQL		
4401954031	M-199-20171031	10/31/2017	365.3	7723-14-0	Phosphorus (total)	32	J	25	50	ug/l	J	sp	< PQL		
4401954371	PC-165-20171101	11/1/2017	365.3	7723-14-0	Phosphorus (total)	35	J	25	50	ug/l	J	sp	< PQL		
4401954371	PC-191-20171101	11/1/2017	365.3	7723-14-0	Phosphorus (total)	32	J	25	50	ug/l	J	sp	< PQL		
4401956031	M-204-20171102	11/2/2017	365.3	7723-14-0	Phosphorus (total)	30	J	25	50	ug/l	J	sp	< PQL		
4401956031	PC-189-20171102	11/2/2017	365.3	7723-14-0	Phosphorus (total)	25	J	25	50	ug/l	J	sp	< PQL		
4401956031	PC-197-20171102	11/2/2017	365.3	7723-14-0	Phosphorus (total)	25	J	25	50	ug/l	J	sp	< PQL		
4401957141	M-149-20171103	11/3/2017	365.3	7723-14-0	Phosphorus (total)	25	J	25	50	ug/l	J	sp	< PQL		
4401957141	M-214-20171103	11/3/2017	365.3	7723-14-0	Phosphorus (total)	39	J	25	50	ug/l	J	sp	< PQL		
4401959471	M-223-20171107	11/7/2017	365.3	7723-14-0	Phosphorus (total)	25	J	25	50	ug/l	J	sp	< PQL		
4401959471	M-229-20171107	11/7/2017	365.3	7723-14-0	Phosphorus (total)	33	J	25	50	ug/l	J	sp	< PQL		
4401959471	M-231-20171107	11/7/2017	365.3	7723-14-0	Phosphorus (total)	25	J	25	50	ug/l	J	sp	< PQL		
4401959471	M-231-20171107-FD	11/7/2017	365.3	7723-14-0	Phosphorus (total)	28	J	25	50	ug/l	J	sp	< PQL		
4401944741	M-214-20171017	10/17/2017	SM2320B	ALK_TOT_CACO3	Total Alkalinity as CaCO3	120000		4000	4000	ug/l	J+	be	EB contamination	14000	ug/L
4401949931	PC-37-20171025	10/25/2017	SM2320B	BICARBHCO3	Bicarbonate as HCO3	110000		4800	4800	ug/l	J+	be	EB contamination	13000	ug/L
4401949931	PC-37-20171025	10/25/2017	SM2320B	ALK_TOT_CACO3	Total Alkalinity as CaCO3	89000		4000	4000	ug/l	J+	be	EB contamination	11000	ug/L
4401957141	M-186D-20171103	11/3/2017	SM2320B	ALK_TOT_CACO3	Total Alkalinity as CaCO3	79000		4000	4000	ug/l	J+	bf	FB contamination	12000	ug/L
4401959471	M-229-20171107	11/7/2017	SM2320B	ALK_TOT_CACO3	Total Alkalinity as CaCO3	86000		4000	4000	ug/l	J+	be	EB contamination	12000	ug/L
4401959491	M-236-20171107	11/7/2017	SM2320B	ALK_TOT_CACO3	Total Alkalinity as CaCO3	75000		4000	4000	ug/l	J+	bf	FB contamination	11000	ug/L
4401931581	M-231-20170928	9/28/2017	SM2540C	TDS	Dissolved Solids (total)	570000	H	5000	10000	ug/l	J-	h	Holding time	20	7 days
4401931581	M-232-20170928	9/28/2017	SM2540C	TDS	Dissolved Solids (total)	690000	H	5000	10000	ug/l	J-	h	Holding time	20	7 days
4401931581	M-244-20170928	9/28/2017	SM2540C	TDS	Dissolved Solids (total)	900000	H	5000	10000	ug/l	J-	h	Holding time	20	7 days
4401932261	PC-165-20170929-FB	9/29/2017	SM2540C	TDS	Dissolved Solids (total)	5000	J	5000	10000	ug/l	J	sp	< PQL		

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator <sup>1</sup>	Qualification Finding	Acceptance Criteria
4401914941	M-237-20170905	9/5/2017	SM5310B	7440-44-0	CARBON	950	J	650	1000	ug/l	J	sp	< PQL		
4401915841	M-234-20170906	9/6/2017	SM5310B	7440-44-0	CARBON	820	J	650	1000	ug/l	J	sp	< PQL		
4401916911	M-206-20170907	9/7/2017	SM5310B	7440-44-0	CARBON	820	J	650	1000	ug/l	J	sp	< PQL		
4401916911	M-209-20170907	9/7/2017	SM5310B	7440-44-0	CARBON	870	J	650	1000	ug/l	J	sp	< PQL		
4401916911	M-210-20170907	9/7/2017	SM5310B	7440-44-0	CARBON	890	J	650	1000	ug/l	J	sp	< PQL		
4401916911	M-212-20170907	9/7/2017	SM5310B	7440-44-0	CARBON	900	J	650	1000	ug/l	J	sp	< PQL		
4401916911	M-213-20170907	9/7/2017	SM5310B	7440-44-0	CARBON	770	J	650	1000	ug/l	J	sp	< PQL		
4401919071	M-229-20170911	9/11/2017	SM5310B	7440-44-0	CARBON	930	J	650	1000	ug/l	J	sp	< PQL		
4401919791	PC-182-20170912	9/12/2017	SM5310B	7440-44-0	CARBON	740	J	650	1000	ug/l	J	sp	< PQL		
4401920091	PC-184-20170912	9/12/2017	SM5310B	7440-44-0	CARBON	910	J	650	1000	ug/l	J	sp	< PQL		
4401920091	PC-185-20170912	9/12/2017	SM5310B	7440-44-0	CARBON	730	J	650	1000	ug/l	J	sp	< PQL		
4401930601	M-226-20170927	9/27/2017	SM5310B	7440-44-0	CARBON	720	J	650	1000	ug/l	J	sp	< PQL		
4401930601	M-227-20170927	9/27/2017	SM5310B	7440-44-0	CARBON	870	J	650	1000	ug/l	J	sp	< PQL		
4401932261	PC-165-20170929	9/29/2017	SM5310B	7440-44-0	CARBON	820	J	650	1000	ug/l	J	sp	< PQL		
4401938701	PC-179-20171009	10/9/2017	SM5310B	7440-44-0	CARBON	850	J	650	1000	ug/l	J	sp	< PQL		
4401938701	PC-189-20171009	10/9/2017	SM5310B	7440-44-0	CARBON	790	J	650	1000	ug/l	J	sp	< PQL		
4401941071	M-223-20171011	10/11/2017	SM5310B	7440-44-0	CARBON	690	J	650	1000	ug/l	J	sp	< PQL		
4401941071	M-93-20171011	10/11/2017	SM5310B	7440-44-0	CARBON	810	J	650	1000	ug/l	J	sp	< PQL		
4401942191	M-199-20171012	10/12/2017	SM5310B	7440-44-0	CARBON	800	J	650	1000	ug/l	J	sp	< PQL		
4401943011	M-216-20171013	10/13/2017	SM5310B	7440-44-0	CARBON	980	J	650	1000	ug/l	J	sp	< PQL		
4401944041	M-21D-20171016	10/16/2017	SM5310B	7440-44-0	CARBON	890	J	650	1000	ug/l	J	sp	< PQL		
4401944041	M-239-20171016	10/16/2017	SM5310B	7440-44-0	CARBON	730	J	650	1000	ug/l	J	sp	< PQL		
4401944721	M-22D-20171017	10/17/2017	SM5310B	7440-44-0	CARBON	850	J	650	1000	ug/l	J	sp	< PQL		
4401944741	M-195-20171017	10/17/2017	SM5310B	7440-44-0	CARBON	760	J	650	1000	ug/l	J	sp	< PQL		
4401945691	M-14D-20171018	10/18/2017	SM5310B	7440-44-0	CARBON	740	J	650	1000	ug/l	J	sp	< PQL		
4401947031	M-201-20171019	10/19/2017	SM5310B	7440-44-0	CARBON	950	J	650	1000	ug/l	J	sp	< PQL		
4401948651	M-219-20171023	10/23/2017	SM5310B	7440-44-0	CARBON	880	J	650	1000	ug/l	J	sp	< PQL		
4401948651	M-226-20171023	10/23/2017	SM5310B	7440-44-0	CARBON	900	J	650	1000	ug/l	J	sp	< PQL		
4401948651	M-81D-20171023	10/23/2017	SM5310B	7440-44-0	CARBON	820	J	650	1000	ug/l	J	sp	< PQL		
4401949081	PC-182-20171024-FD	10/24/2017	SM5310B	7440-44-0	CARBON	660	J	650	1000	ug/l	J	sp	< PQL		
4401952191	M-152-20171027	10/27/2017	SM5310B	7440-44-0	CARBON	790	J	650	1000	ug/l	J	sp	< PQL		
4401954031	M-195-20171031	10/31/2017	SM5310B	7440-44-0	CARBON	750	J	650	1000	ug/l	J	sp	< PQL		
4401954031	M-199-20171031	10/31/2017	SM5310B	7440-44-0	CARBON	700	J	650	1000	ug/l	J	sp	< PQL		
4401954381	M-21D-20171101	11/1/2017	SM5310B	7440-44-0	CARBON	840	J	650	1000	ug/l	J	sp	< PQL		
4401954381	M-239-20171101	11/1/2017	SM5310B	7440-44-0	CARBON	710	J	650	1000	ug/l	J	sp	< PQL		
4401954381	M-239-20171101-FD	11/1/2017	SM5310B	7440-44-0	CARBON	710	J	650	1000	ug/l	J	sp	< PQL		
4401956031	PC-188-20171102	11/2/2017	SM5310B	7440-44-0	CARBON	670	J	650	1000	ug/l	J	sp	< PQL		
4401957141	M-186D-20171103	11/3/2017	SM5310B	7440-44-0	CARBON	710	J	650	1000	ug/l	J	sp	< PQL		
4401958171	M-209-20171106	11/6/2017	SM5310B	7440-44-0	CARBON	800	J	650	1000	ug/l	J	sp	< PQL		
4401958171	M-209-20171106-FD	11/6/2017	SM5310B	7440-44-0	CARBON	760	J	650	1000	ug/l	J	sp	< PQL		
4401958231	M-237-20171106	11/6/2017	SM5310B	7440-44-0	CARBON	710	J	650	1000	ug/l	J	sp	< PQL		
4401959471	M-223-20171107	11/7/2017	SM5310B	7440-44-0	CARBON	840	J	650	1000	ug/l	J	sp	< PQL		
4401959471	M-229-20171107	11/7/2017	SM5310B	7440-44-0	CARBON	650	J	650	1000	ug/l	J	sp	< PQL		
4401916911	M-206-20170907	9/7/2017	9034	18496-25-8	Sulfide (total)		UF1	4.0	4.0	mg/l	R	m	MS/MSD %R	0.0	70-130 %
4401916911	M-207-20170907	9/7/2017	9034	18496-25-8	Sulfide (total)		U	4.0	4.0	mg/l	R	m	MS/MSD %R	0.0	70-130 %
4401916911	M-208-20170907	9/7/2017	9034	18496-25-8	Sulfide (total)		U	4.0	4.0	mg/l	R	m	MS/MSD %R	0.0	70-130 %
4401916911	M-209-20170907	9/7/2017	9034	18496-25-8	Sulfide (total)		U	4.0	4.0	mg/l	R	m	MS/MSD %R	0.0	70-130 %
4401916911	M-210-20170907	9/7/2017	9034	18496-25-8	Sulfide (total)		U	4.0	4.0	mg/l	R	m	MS/MSD %R	0.0	70-130 %
4401916911	M-212-20170907	9/7/2017	9034	18496-25-8	Sulfide (total)		U	4.0	4.0	mg/l	R	m	MS/MSD %R	0.0	70-130 %
4401916911	M-213-20170907	9/7/2017	9034	18496-25-8	Sulfide (total)		U	4.0	4.0	mg/l	R	m	MS/MSD %R	0.0	70-130 %
4401939881	PC-191-20171010	10/10/2017	9034	18496-25-8	Sulfide (total)		U	4.0	4.0	mg/l	R	m	MS/MSD %R	0.0	70-130 %
4401939881	PC-195-20171010	10/10/2017	9034	18496-25-8	Sulfide (total)		U	4.0	4.0	mg/l	R	m	MS/MSD %R	0.0	70-130 %
4401939881	PC-196-20171010	10/10/2017	9034	18496-25-8	Sulfide (total)		U	4.0	4.0	mg/l	R	m	MS/MSD %R	0.0	70-130 %
4401941071	M-223-20171011	10/11/2017	9034	18496-25-8	Sulfide (total)		U	4.0	4.0	mg/l	R	m	MS/MSD %R	0.0	70-130 %
4401941071	M-225-20171011	10/11/2017	9034	18496-25-8	Sulfide (total)		U	4.0	4.0	mg/l	R	m	MS/MSD %R	0.0	70-130 %

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator <sup>1</sup>	Qualification Finding	Acceptance Criteria
4401941071	M-93-20171011	10/11/2017	9034	18496-25-8	Sulfide (total)		U	4.0	4.0	mg/l	R	m	MS/MSD %R	0,0	70-130 %
4401941071	PC-178-20171011	10/11/2017	9034	18496-25-8	Sulfide (total)	4.8		4.0	4.0	mg/l	J-	m	MS/MSD %R	0,0	70-130 %
4401941071	PC-178-20171011-FD	10/11/2017	9034	18496-25-8	Sulfide (total)		U	4.0	4.0	mg/l	R	m	MS/MSD %R	0,0	70-130 %
4401941071	PC-197-20171011	10/11/2017	9034	18496-25-8	Sulfide (total)		U	4.0	4.0	mg/l	R	m	MS/MSD %R	0,0	70-130 %
4401941941	M-196-20171012	10/12/2017	9034	18496-25-8	Sulfide (total)		U	4.0	4.0	mg/l	UJ	m	MS/MSD %R	-,58	70-130 %
4401942191	M-198-20171012	10/12/2017	9034	18496-25-8	Sulfide (total)		U	4.0	4.0	mg/l	R	m	MS/MSD %R	0,0	70-130 %
4401942191	M-199-20171012	10/12/2017	9034	18496-25-8	Sulfide (total)		UF1	4.0	4.0	mg/l	R	m	MS/MSD %R	0,0	70-130 %
4401942191	M-200-20171012	10/12/2017	9034	18496-25-8	Sulfide (total)		U	4.0	4.0	mg/l	R	m	MS/MSD %R	0,0	70-130 %
4401942821	M-83D-20171013	10/13/2017	9034	18496-25-8	Sulfide (total)		UF1	4.0	4.0	mg/l	UJ	m	MS/MSD %R	-,58	70-130 %
4401949971	H-49R-20171025	10/25/2017	9034	18496-25-8	Sulfide (total)		U	4.0	4.0	mg/l	UJ	m	MS/MSD %R	-,64	70-130 %
4401949971	MC-61-20171025	10/25/2017	9034	18496-25-8	Sulfide (total)		U	4.0	4.0	mg/l	UJ	m	MS/MSD %R	-,64	70-130 %
4401949971	MC-62-20171025	10/25/2017	9034	18496-25-8	Sulfide (total)		U	4.0	4.0	mg/l	UJ	m	MS/MSD %R	-,64	70-130 %
4401949971	MC-65R-20171025	10/25/2017	9034	18496-25-8	Sulfide (total)		UF1	4.0	4.0	mg/l	UJ	m	MS/MSD %R	-,64	70-130 %
4401949971	PC-73-20171025	10/25/2017	9034	18496-25-8	Sulfide (total)		U	4.0	4.0	mg/l	UJ	m	MS/MSD %R	-,64	70-130 %
4401951491	H-48-20171026	10/26/2017	9034	18496-25-8	Sulfide (total)		U	4.0	4.0	mg/l	UJ	m	MS/MSD %R	-,64	70-130 %
4401951491	H-49A-20171026	10/26/2017	9034	18496-25-8	Sulfide (total)		U	4.0	4.0	mg/l	UJ	m	MS/MSD %R	-,64	70-130 %
4401951491	H-56A-20171026	10/26/2017	9034	18496-25-8	Sulfide (total)		U	4.0	4.0	mg/l	UJ	m	MS/MSD %R	-,64	70-130 %
4401951491	H-56R-20171026	10/26/2017	9034	18496-25-8	Sulfide (total)		U	4.0	4.0	mg/l	UJ	m	MS/MSD %R	-,64	70-130 %
4401951491	H-58A-20171026	10/26/2017	9034	18496-25-8	Sulfide (total)		U	4.0	4.0	mg/l	UJ	m	MS/MSD %R	-,64	70-130 %
4401951491	PC-40-20171026	10/26/2017	9034	18496-25-8	Sulfide (total)		U	4.0	4.0	mg/l	UJ	m	MS/MSD %R	-,64	70-130 %
4401951521	MC-65-20171026	10/26/2017	9034	18496-25-8	Sulfide (total)		U	4.0	4.0	mg/l	UJ	m	MS/MSD %R	-,64	70-130 %
4401951521	MC-66-20171026	10/26/2017	9034	18496-25-8	Sulfide (total)		U	4.0	4.0	mg/l	UJ	m	MS/MSD %R	-,64	70-130 %
4401951521	MC-MW-36-20171026	10/26/2017	9034	18496-25-8	Sulfide (total)		U	4.0	4.0	mg/l	UJ	m	MS/MSD %R	-,64	70-130 %
4401951521	MC-MW-37-20171026	10/26/2017	9034	18496-25-8	Sulfide (total)		U	4.0	4.0	mg/l	UJ	m	MS/MSD %R	-,64	70-130 %
4401951521	PC-72-20171026	10/26/2017	9034	18496-25-8	Sulfide (total)		U	4.0	4.0	mg/l	UJ	m	MS/MSD %R	-,64	70-130 %
4401951521	PC-72-20171026-FD	10/26/2017	9034	18496-25-8	Sulfide (total)		U	4.0	4.0	mg/l	UJ	m	MS/MSD %R	-,64	70-130 %
4401953331	PC-174-20171030	10/30/2017	9034	18496-25-8	Sulfide (total)		UF1	4.0	4.0	mg/l	UJ	m	MS/MSD %R	64,64	80-120 %
4401953331	PC-179-20171030	10/30/2017	9034	18496-25-8	Sulfide (total)		U	4.0	4.0	mg/l	UJ	m	MS/MSD %R	64,64	80-120 %
4401953331	PC-190-20171030	10/30/2017	9034	18496-25-8	Sulfide (total)		U	4.0	4.0	mg/l	UJ	m	MS/MSD %R	64,64	80-120 %
4401953331	PC-192-20171030	10/30/2017	9034	18496-25-8	Sulfide (total)		U	4.0	4.0	mg/l	UJ	m	MS/MSD %R	64,64	80-120 %
4401953681	PC-161-20171031	10/31/2017	9034	18496-25-8	Sulfide (total)		U	4.0	4.0	mg/l	UJ	m	MS/MSD %R	64,64	70-130 %
4401953681	PC-161-20171031-FD	10/31/2017	9034	18496-25-8	Sulfide (total)		U	4.0	4.0	mg/l	UJ	m	MS/MSD %R	64,64	70-130 %
4401953681	PC-162-20171031	10/31/2017	9034	18496-25-8	Sulfide (total)	25		4.0	4.0	mg/l	J-	m	MS/MSD %R	64,64	70-130 %
4401953681	PC-162-20171031-FD	10/31/2017	9034	18496-25-8	Sulfide (total)	23		4.0	4.0	mg/l	J-	m	MS/MSD %R	64,64	70-130 %
4401953681	PC-163-20171031	10/31/2017	9034	18496-25-8	Sulfide (total)		U	4.0	4.0	mg/l	UJ	m	MS/MSD %R	64,64	70-130 %
4401953681	PC-177-20171031	10/31/2017	9034	18496-25-8	Sulfide (total)		U	4.0	4.0	mg/l	UJ	m	MS/MSD %R	64,64	70-130 %
4401953681	PC-193-20171031	10/31/2017	9034	18496-25-8	Sulfide (total)		U	4.0	4.0	mg/l	UJ	m	MS/MSD %R	64,64	70-130 %
4401953681	PC-194-20171031	10/31/2017	9034	18496-25-8	Sulfide (total)	4.8		4.0	4.0	mg/l	J-	m	MS/MSD %R	64,64	70-130 %
4401914941	M-237-20170905	9/5/2017	9040C	C-006	pH	7.8	HF	0.1	0.1	s.u.	J	h	Holding time	144	48 Hours
4401914941	M-238-20170905	9/5/2017	9040C	C-006	pH	7.8	HF	0.1	0.1	s.u.	J	h	Holding time	144	48 Hours
4401915841	M-205-20170906	9/6/2017	9040C	C-006	pH	7.4	HF	0.1	0.1	s.u.	J	h	Holding time	120	48 Hours
4401915841	M-205-20170906-EB	9/6/2017	9040C	C-006	pH	6.2	HF	0.1	0.1	s.u.	J	h	Holding time	120	48 Hours
4401915841	M-234-20170906	9/6/2017	9040C	C-006	pH	7.5	HF	0.1	0.1	s.u.	J	h	Holding time	120	48 Hours
4401915841	M-236-20170906	9/6/2017	9040C	C-006	pH	7.9	HF	0.1	0.1	s.u.	J	h	Holding time	120	48 Hours
4401915841	M-236-20170906-FD	9/6/2017	9040C	C-006	pH	7.9	HF	0.1	0.1	s.u.	J	h	Holding time	120	48 Hours
4401916911	M-206-20170907	9/7/2017	9040C	C-006	pH	7.8	HF	0.1	0.1	s.u.	J	h	Holding time	96	48 Hours
4401916911	M-207-20170907	9/7/2017	9040C	C-006	pH	7.8	HF	0.1	0.1	s.u.	J	h	Holding time	96	48 Hours
4401916911	M-208-20170907	9/7/2017	9040C	C-006	pH	8.3	HF	0.1	0.1	s.u.	J	h	Holding time	96	48 Hours
4401916911	M-209-20170907	9/7/2017	9040C	C-006	pH	7.8	HF	0.1	0.1	s.u.	J	h	Holding time	96	48 Hours
4401916911	M-210-20170907	9/7/2017	9040C	C-006	pH	8.1	HF	0.1	0.1	s.u.	J	h	Holding time	96	48 Hours
4401916911	M-212-20170907	9/7/2017	9040C	C-006	pH	7.7	HF	0.1	0.1	s.u.	J	h	Holding time	96	48 Hours
4401916911	M-213-20170907	9/7/2017	9040C	C-006	pH	8.1	HF	0.1	0.1	s.u.	J	h	Holding time	96	48 Hours
4401917751	M-242-20170908	9/8/2017	9040C	C-006	pH	7.3	HF	0.1	0.1	s.u.	J	h	Holding time	96	48 Hours
4401917751	M-243-20170908	9/8/2017	9040C	C-006	pH	7.6	HF	0.1	0.1	s.u.	J	h	Holding time	96	48 Hours
4401917751	M-243-20170908-FD	9/8/2017	9040C	C-006	pH	7.6	HF	0.1	0.1	s.u.	J	h	Holding time	96	48 Hours

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator <sup>1</sup>	Qualification Finding	Acceptance Criteria
4401917751	M-245-20170908	9/8/2017	9040C	C-006	pH	7.3	HF	0.1	0.1	s.u.	J	h	Holding time	96	48 Hours
4401918001	M-246-20170908	9/8/2017	9040C	C-006	pH	7.7	HF	0.1	0.1	s.u.	J	h	Holding time	96	48 Hours
4401919071	M-229-20170911	9/11/2017	9040C	C-006	pH	7.8	HF	0.1	0.1	s.u.	J	h	Holding time	52.85	48 Hours
4401919071	PC-170-20170911	9/11/2017	9040C	C-006	pH	7.6	HF	0.1	0.1	s.u.	J	h	Holding time	50.55	48 Hours
4401919071	PC-173-20170911	9/11/2017	9040C	C-006	pH	7.5	HF	0.1	0.1	s.u.	J	h	Holding time	48.67	48 Hours
4401919071	PC-173-20170911-FD	9/11/2017	9040C	C-006	pH	7.5	HF	0.1	0.1	s.u.	J	h	Holding time	48.67	48 Hours
4401919791	PC-180-20170912	9/12/2017	9040C	C-006	pH	7.7	HF	0.1	0.1	s.u.	J	h	Holding time	58.32	48 Hours
4401919791	PC-181-20170912	9/12/2017	9040C	C-006	pH	7.9	HF	0.1	0.1	s.u.	J	h	Holding time	57.48	48 Hours
4401919791	PC-182-20170912	9/12/2017	9040C	C-006	pH	8.1	HF	0.1	0.1	s.u.	J	h	Holding time	56.47	48 Hours
4401919791	PC-183-20170912	9/12/2017	9040C	C-006	pH	7.7	HF	0.1	0.1	s.u.	J	h	Holding time	55.3	48 Hours
4401920091	PC-184-20170912	9/12/2017	9040C	C-006	pH	7.7	HF	0.1	0.1	s.u.	J	h	Holding time	53.6	48 Hours
4401920091	PC-184-20170912-FB	9/12/2017	9040C	C-006	pH	6.0	HF	0.1	0.1	s.u.	J	h	Holding time	53.87	48 Hours
4401920091	PC-185-20170912	9/12/2017	9040C	C-006	pH	7.8	HF	0.1	0.1	s.u.	J	h	Holding time	52.45	48 Hours
4401920091	PC-187-20170912	9/12/2017	9040C	C-006	pH	7.6	HF	0.1	0.1	s.u.	J	h	Holding time	50.73	48 Hours
4401921061	M-230-20170913	9/13/2017	9040C	C-006	pH	8.2	HF	0.1	0.1	s.u.	J	h	Holding time	56.75	48 Hours
4401921061	PC-161-20170913	9/13/2017	9040C	C-006	pH	8.1	HF	0.1	0.1	s.u.	J	h	Holding time	54.5	48 Hours
4401921061	PC-162-20170913	9/13/2017	9040C	C-006	pH	8.0	HF	0.1	0.1	s.u.	J	h	Holding time	53.33	48 Hours
4401921061	PC-162-20170913-EB	9/13/2017	9040C	C-006	pH	6.0	HF	0.1	0.1	s.u.	J	h	Holding time	53.88	48 Hours
4401922171	M-235-20170914	9/14/2017	9040C	C-006	pH	7.6	HF	0.1	0.1	s.u.	J	h	Holding time	96	48 Hours
4401922171	PC-163-20170914	9/14/2017	9040C	C-006	pH	7.7	HF	0.1	0.1	s.u.	J	h	Holding time	96	48 Hours
4401922531	PC-166-20170914	9/14/2017	9040C	C-006	pH	7.6	HF	0.1	0.1	s.u.	J	h	Holding time	96	48 Hours
4401922531	PC-169-20170914	9/14/2017	9040C	C-006	pH	7.7	HF	0.1	0.1	s.u.	J	h	Holding time	96	48 Hours
4401923381	PC-167-20170915	9/15/2017	9040C	C-006	pH	7.7	HF	0.1	0.1	s.u.	J	h	Holding time	72	48 Hours
4401923381	PC-171-20170915	9/15/2017	9040C	C-006	pH	7.7	HF	0.1	0.1	s.u.	J	h	Holding time	72	48 Hours
4401923381	PC-175-20170915	9/15/2017	9040C	C-006	pH	7.5	HF	0.1	0.1	s.u.	J	h	Holding time	72	48 Hours
4401928971	PC-164-20170925	9/25/2017	9040C	C-006	pH	7.7	HF	0.1	0.1	s.u.	J	h	Holding time	74.53	48 Hours
4401928971	PC-177-20170925	9/25/2017	9040C	C-006	pH	7.7	HF	0.1	0.1	s.u.	J	h	Holding time	77.05	48 Hours
4401929691	M-204-20170926	9/26/2017	9040C	C-006	pH	8.1	HF	0.1	0.1	s.u.	J	h	Holding time	52.48	48 Hours
4401929691	PC-174-20170926	9/26/2017	9040C	C-006	pH	7.7	HF	0.1	0.1	s.u.	J	h	Holding time	49	48 Hours
4401930601	M-226-20170927	9/27/2017	9040C	C-006	pH	7.7	HF	0.1	0.1	s.u.	J	h	Holding time	51.38	48 Hours
4401930601	M-227-20170927	9/27/2017	9040C	C-006	pH	7.5	HF	0.1	0.1	s.u.	J	h	Holding time	49.85	48 Hours
4401930601	PC-186-20170927	9/27/2017	9040C	C-006	pH	7.7	HF	0.1	0.1	s.u.	J	h	Holding time	53.03	48 Hours
4401930601	PC-190-20170927	9/27/2017	9040C	C-006	pH	7.8	HF	0.1	0.1	s.u.	J	h	Holding time	54.22	48 Hours
4401930601	PC-194-20170927	9/27/2017	9040C	C-006	pH	7.9	HF	0.1	0.1	s.u.	J	h	Holding time	56.22	48 Hours
4401930601	PC-194-20170927-FD	9/27/2017	9040C	C-006	pH	7.9	HF	0.1	0.1	s.u.	J	h	Holding time	56.22	48 Hours
4401931581	M-231-20170928	9/28/2017	9040C	C-006	pH	7.7	HF	0.1	0.1	s.u.	J	h	Holding time	120	48 Hours
4401931581	M-232-20170928	9/28/2017	9040C	C-006	pH	8.1	HF	0.1	0.1	s.u.	J	h	Holding time	120	48 Hours
4401931581	M-244-20170928	9/28/2017	9040C	C-006	pH	7.7	HF	0.1	0.1	s.u.	J	h	Holding time	120	48 Hours
4401932261	PC-165-20170929	9/29/2017	9040C	C-006	pH	7.6	HF	0.1	0.1	s.u.	J	h	Holding time	120	48 Hours
4401932261	PC-165-20170929-FB	9/29/2017	9040C	C-006	pH	8.7	HF	0.1	0.1	s.u.	J	h	Holding time	120	48 Hours
4401932261	PC-188-20170929	9/29/2017	9040C	C-006	pH	7.9	HF	0.1	0.1	s.u.	J	h	Holding time	120	48 Hours
4401932261	PC-192-20170929	9/29/2017	9040C	C-006	pH	7.8	HF	0.1	0.1	s.u.	J	h	Holding time	120	48 Hours
4401939881	PC-191-20171010	10/10/2017	9040C	C-006	pH	7.4	HF	0.1	0.1	s.u.	J	h	Holding time	49.35	48 Hours
4401941071	M-223-20171011	10/11/2017	9040C	C-006	pH	7.4	HF	0.1	0.1	s.u.	J	h	Holding time	49.73	48 Hours
4401941071	M-225-20171011	10/11/2017	9040C	C-006	pH	8.1	HF	0.1	0.1	s.u.	J	h	Holding time	51.22	48 Hours
4401941071	M-93-20171011	10/11/2017	9040C	C-006	pH	7.7	HF	0.1	0.1	s.u.	J	h	Holding time	48.1	48 Hours
4401941071	PC-178-20171011	10/11/2017	9040C	C-006	pH	7.7	HF	0.1	0.1	s.u.	J	h	Holding time	53.22	48 Hours
4401941071	PC-178-20171011-FD	10/11/2017	9040C	C-006	pH	7.7	HF	0.1	0.1	s.u.	J	h	Holding time	53.13	48 Hours
4401941071	PC-197-20171011	10/11/2017	9040C	C-006	pH	7.7	HF	0.1	0.1	s.u.	J	h	Holding time	54.52	48 Hours
4401941941	M-196-20171012	10/12/2017	9040C	C-006	pH	7.6	HF	0.1	0.1	s.u.	J	h	Holding time	120	48 Hours
4401942191	M-198-20171012	10/12/2017	9040C	C-006	pH	7.7	HF	0.1	0.1	s.u.	J	h	Holding time	96	48 Hours
4401942191	M-199-20171012	10/12/2017	9040C	C-006	pH	7.6	HF	0.1	0.1	s.u.	J	h	Holding time	96	48 Hours
4401942191	M-200-20171012	10/12/2017	9040C	C-006	pH	7.7	HF	0.1	0.1	s.u.	J	h	Holding time	96	48 Hours
4401942821	M-83D-20171013	10/13/2017	9040C	C-006	pH	8.0	HF	0.1	0.1	s.u.	J	h	Holding time	78.25	48 Hours
4401943011	M-216-20171013	10/13/2017	9040C	C-006	pH	7.7	HF	0.1	0.1	s.u.	J	h	Holding time	77.38	48 Hours

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator <sup>1</sup>	Qualification Finding	Acceptance Criteria
4401943011	M-217-20171013	10/13/2017	9040C	C-006	pH	7.8	HF	0.1	0.1	s.u.	J	h	Holding time	76.22	48 Hours
4401943011	M-218-20171013	10/13/2017	9040C	C-006	pH	8.2	HF	0.1	0.1	s.u.	J	h	Holding time	75.33	48 Hours
4401943011	M-220-20171013	10/13/2017	9040C	C-006	pH	7.9	HF	0.1	0.1	s.u.	J	h	Holding time	74.37	48 Hours
4401944041	M-21D-20171016	10/16/2017	9040C	C-006	pH	7.8	HF	0.1	0.1	SU	J	h	Holding time	49.27	48 Hours
4401944041	M-239-20171016	10/16/2017	9040C	C-006	pH	7.7	HF	0.1	0.1	SU	J	h	Holding time	51.55	48 Hours
4401944041	M-240-20171016	10/16/2017	9040C	C-006	pH	7.7	HF	0.1	0.1	SU	J	h	Holding time	50.48	48 Hours
4401944721	M-221-20171017	10/17/2017	9040C	C-006	pH	8.1	HF	0.1	0.1	s.u.	J	h	Holding time	48.18	48 Hours
4401944721	M-22D-20171017	10/17/2017	9040C	C-006	pH	7.7	HF	0.1	0.1	s.u.	J	h	Holding time	51.77	48 Hours
4401944721	M-65D-20171017	10/17/2017	9040C	C-006	pH	7.6	HF	0.1	0.1	s.u.	J	h	Holding time	50.03	48 Hours
4401944741	M-195-20171017	10/17/2017	9040C	C-006	pH	7.5	HF	0.1	0.1	s.u.	J	h	Holding time	49.13	48 Hours
4401944741	M-197-20171017	10/17/2017	9040C	C-006	pH	7.6	HF	0.1	0.1	s.u.	J	h	Holding time	50.43	48 Hours
4401944741	M-214-20171017	10/17/2017	9040C	C-006	pH	7.6	HF	0.1	0.1	s.u.	J	h	Holding time	52.45	48 Hours
4401944741	M-214-20171017-EB	10/17/2017	9040C	C-006	pH	9.4	HF	0.1	0.1	s.u.	J	h	Holding time	51.73	48 Hours
4401945691	M-140D-20171018	10/18/2017	9040C	C-006	pH	7.8	HF	0.1	0.1	s.u.	J	h	Holding time	49.05	48 Hours
4401945691	M-36D-20171018	10/18/2017	9040C	C-006	pH	7.4	HF	0.1	0.1	s.u.	J	h	Holding time	53	48 Hours
4401945691	M-72D-20171018	10/18/2017	9040C	C-006	pH	7.8	HF	0.1	0.1	s.u.	J	h	Holding time	51.05	48 Hours
4401946971	M-228-20171019	10/19/2017	9040C	C-006	pH	7.9	HF	0.1	0.1	s.u.	J	h	Holding time	144	48 Hours
4401947001	PC-155A-20171019	10/19/2017	9040C	C-006	pH	7.6	HF	0.1	0.1	s.u.	J	h	Holding time	120	48 Hours
4401947001	PC-155A-20171019-FD	10/19/2017	9040C	C-006	pH	7.7	HF	0.1	0.1	s.u.	J	h	Holding time	120	48 Hours
4401947001	PC-155B-20171019	10/19/2017	9040C	C-006	pH	7.7	HF	0.1	0.1	s.u.	J	h	Holding time	120	48 Hours
4401947001	PC-156A-20171019	10/19/2017	9040C	C-006	pH	7.7	HF	0.1	0.1	s.u.	J	h	Holding time	120	48 Hours
4401947001	PC-156B-20171019	10/19/2017	9040C	C-006	pH	7.6	HF	0.1	0.1	s.u.	J	h	Holding time	120	48 Hours
4401947031	M-201-20171019	10/19/2017	9040C	C-006	pH	7.6	HF	0.1	0.1	s.u.	J	h	Holding time	120	48 Hours
4401947031	PC-153R-20171019	10/19/2017	9040C	C-006	pH	7.8	HF	0.1	0.1	s.u.	J	h	Holding time	120	48 Hours
4401947711	M-125D-20171020	10/20/2017	9040C	C-006	pH	7.6	HF	0.1	0.1	s.u.	J	h	Holding time	144	48 Hours
4401947711	M-202-20171020	10/20/2017	9040C	C-006	pH	7.9	HF	0.1	0.1	s.u.	J	h	Holding time	144	48 Hours
4401947711	M-203-20171020	10/20/2017	9040C	C-006	pH	7.7	HF	0.1	0.1	s.u.	J	h	Holding time	144	48 Hours
4401947711	M-5D-20171020	10/20/2017	9040C	C-006	pH	7.5	HF	0.1	0.1	s.u.	J	h	Holding time	144	48 Hours
4401947711	PC-157A-20171020	10/20/2017	9040C	C-006	pH	7.8	HF	0.1	0.1	s.u.	J	h	Holding time	144	48 Hours
4401947711	PC-157B-20171020	10/20/2017	9040C	C-006	pH	7.8	HF	0.1	0.1	s.u.	J	h	Holding time	144	48 Hours
4401948651	M-215-20171023	10/23/2017	9040C	C-006	pH	7.7	HF	0.1	0.1	s.u.	J	h	Holding time	50.52	48 Hours
4401948651	M-219-20171023	10/23/2017	9040C	C-006	pH	7.5	HF	0.1	0.1	s.u.	J	h	Holding time	49.35	48 Hours
4401948651	M-81D-20171023	10/23/2017	9040C	C-006	pH	7.7	HF	0.1	0.1	s.u.	J	h	Holding time	51.73	48 Hours
4401949051	PC-183-20171024	10/24/2017	9040C	C-006	pH	7.4	HF	0.1	0.1	s.u.	J	h	Holding time	52.67	48 Hours
4401949051	PC-184-20171024	10/24/2017	9040C	C-006	pH	7.5	HF	0.1	0.1	s.u.	J	h	Holding time	51.73	48 Hours
4401949051	PC-185-20171024	10/24/2017	9040C	C-006	pH	7.6	HF	0.1	0.1	s.u.	J	h	Holding time	50.65	48 Hours
4401949051	PC-187-20171024	10/24/2017	9040C	C-006	pH	7.4	HF	0.1	0.1	s.u.	J	h	Holding time	48.12	48 Hours
4401949051	PC-187-20171024-FD	10/24/2017	9040C	C-006	pH	7.4	HF	0.1	0.1	s.u.	J	h	Holding time	48.03	48 Hours
4401949081	PC-170-20171024	10/24/2017	9040C	C-006	pH	7.6	HF	0.1	0.1	s.u.	J	h	Holding time	49.18	48 Hours
4401949081	PC-170-20171024-FB	10/24/2017	9040C	C-006	pH	7.2	HF	0.1	0.1	s.u.	J	h	Holding time	48.85	48 Hours
4401949081	PC-173-20171024	10/24/2017	9040C	C-006	pH	7.5	HF	0.1	0.1	s.u.	J	h	Holding time	50.87	48 Hours
4401949081	PC-180-20171024	10/24/2017	9040C	C-006	pH	7.6	HF	0.1	0.1	s.u.	J	h	Holding time	53.33	48 Hours
4401949081	PC-181-20171024	10/24/2017	9040C	C-006	pH	7.7	HF	0.1	0.1	s.u.	J	h	Holding time	51.78	48 Hours
4401949081	PC-182-20171024	10/24/2017	9040C	C-006	pH	7.9	HF	0.1	0.1	s.u.	J	h	Holding time	52.73	48 Hours
4401949081	PC-182-20171024-FD	10/24/2017	9040C	C-006	pH	7.9	HF	0.1	0.1	s.u.	J	h	Holding time	52.65	48 Hours
4401949931	MC-63-20171025	10/25/2017	9040C	C-006	pH	7.4	HF	0.1	0.1	s.u.	J	h	Holding time	51.83	48 Hours
4401949931	MC-MW-37R-20171025	10/25/2017	9040C	C-006	pH	7.7	HF	0.1	0.1	s.u.	J	h	Holding time	52.75	48 Hours
4401949931	MC-MW-38-20171025	10/25/2017	9040C	C-006	pH	7.5	HF	0.1	0.1	s.u.	J	h	Holding time	48.18	48 Hours
4401949931	PC-37-20171025	10/25/2017	9040C	C-006	pH	7.5	HF	0.1	0.1	s.u.	J	h	Holding time	50.43	48 Hours
4401949931	PC-37-20171025-EB	10/25/2017	9040C	C-006	pH	9.4	HF	0.1	0.1	s.u.	J	h	Holding time	50.02	48 Hours
4401949971	H-49R-20171025	10/25/2017	9040C	C-006	pH	7.5	HF	0.1	0.1	s.u.	J	h	Holding time	50.78	48 Hours
4401949971	MC-62-20171025	10/25/2017	9040C	C-006	pH	7.4	HF	0.1	0.1	s.u.	J	h	Holding time	48.52	48 Hours
4401949971	MC-65R-20171025	10/25/2017	9040C	C-006	pH	7.6	HF	0.1	0.1	s.u.	J	h	Holding time	53.15	48 Hours
4401949971	PC-73-20171025	10/25/2017	9040C	C-006	pH	7.5	HF	0.1	0.1	s.u.	J	h	Holding time	51.95	48 Hours
4401951491	H-48-20171026	10/26/2017	9040C	C-006	pH	3.5	HF	0.1	0.1	s.u.	J	h	Holding time	78.95	48 Hours

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator <sup>1</sup>	Qualification Finding	Acceptance Criteria
4401951491	H-49A-20171026	10/26/2017	9040C	C-006	pH	7.8	HF	0.1	0.1	s.u.	J	h	Holding time	71.43	48 Hours
4401951491	H-56A-20171026	10/26/2017	9040C	C-006	pH	7.9	HF	0.1	0.1	s.u.	J	h	Holding time	73.78	48 Hours
4401951491	H-56R-20171026	10/26/2017	9040C	C-006	pH	7.9	HF	0.1	0.1	s.u.	J	h	Holding time	67.23	48 Hours
4401951491	H-58A-20171026	10/26/2017	9040C	C-006	pH	7.8	HF	0.1	0.1	s.u.	J	h	Holding time	70.48	48 Hours
4401951491	PC-40-20171026	10/26/2017	9040C	C-006	pH	7.8	HF	0.1	0.1	s.u.	J	h	Holding time	68.23	48 Hours
4401951521	MC-65-20171026	10/26/2017	9040C	C-006	pH	7.8	HF	0.1	0.1	s.u.	J	h	Holding time	72.2	48 Hours
4401951521	MC-66-20171026	10/26/2017	9040C	C-006	pH	7.8	HF	0.1	0.1	s.u.	J	h	Holding time	69.3	48 Hours
4401951521	MC-MW-36-20171026	10/26/2017	9040C	C-006	pH	7.9	HF	0.1	0.1	s.u.	J	h	Holding time	73.62	48 Hours
4401951521	MC-MW-37-20171026	10/26/2017	9040C	C-006	pH	7.7	HF	0.1	0.1	s.u.	J	h	Holding time	71.08	48 Hours
4401951521	PC-72-20171026	10/26/2017	9040C	C-006	pH	7.8	HF	0.1	0.1	s.u.	J	h	Holding time	68.2	48 Hours
4401951521	PC-72-20171026-FD	10/26/2017	9040C	C-006	pH	7.8	HF	0.1	0.1	s.u.	J	h	Holding time	68.12	48 Hours
4401952191	M-152-20171027	10/27/2017	9040C	C-006	pH	8.0	HF	0.1	0.1	s.u.	J	h	Holding time	48.92	48 Hours
4401952191	M-242-20171027	10/27/2017	9040C	C-006	pH	7.6	HF	0.1	0.1	s.u.	J	h	Holding time	49.8	48 Hours
4401952191	M-243-20171027	10/27/2017	9040C	C-006	pH	7.7	HF	0.1	0.1	s.u.	J	h	Holding time	55.62	48 Hours
4401952191	M-244-20171027	10/27/2017	9040C	C-006	pH	8.1	HF	0.1	0.1	s.u.	J	h	Holding time	54.52	48 Hours
4401952191	M-245-20171027	10/27/2017	9040C	C-006	pH	7.8	HF	0.1	0.1	s.u.	J	h	Holding time	53.65	48 Hours
4401952191	M-246-20171027	10/27/2017	9040C	C-006	pH	7.9	HF	0.1	0.1	s.u.	J	h	Holding time	52.6	48 Hours
4401952191	M-44-20171027	10/27/2017	9040C	C-006	pH	7.7	HF	0.1	0.1	s.u.	J	h	Holding time	50.03	48 Hours
4401952191	PC-171-20171027	10/27/2017	9040C	C-006	pH	7.9	HF	0.1	0.1	s.u.	J	h	Holding time	51.5	48 Hours
4401953331	PC-174-20171030	10/30/2017	9040C	C-006	pH	7.7	HF	0.1	0.1	s.u.	J	h	Holding time	52.43	48 Hours
4401953331	PC-179-20171030	10/30/2017	9040C	C-006	pH	7.6	HF	0.1	0.1	s.u.	J	h	Holding time	50.18	48 Hours
4401953331	PC-190-20171030	10/30/2017	9040C	C-006	pH	7.6	HF	0.1	0.1	s.u.	J	h	Holding time	48.18	48 Hours
4401953331	PC-192-20171030	10/30/2017	9040C	C-006	pH	7.8	HF	0.1	0.1	s.u.	J	h	Holding time	51.38	48 Hours
4401953361	PC-164-20171030	10/30/2017	9040C	C-006	pH	7.5	HF	0.1	0.1	s.u.	J	h	Holding time	48.37	48 Hours
4401953361	PC-166-20171030	10/30/2017	9040C	C-006	pH	7.5	HF	0.1	0.1	s.u.	J	h	Holding time	52.3	48 Hours
4401953361	PC-167-20171030	10/30/2017	9040C	C-006	pH	7.7	HF	0.1	0.1	s.u.	J	h	Holding time	50.98	48 Hours
4401953361	PC-169-20171030	10/30/2017	9040C	C-006	pH	7.6	HF	0.1	0.1	s.u.	J	h	Holding time	49.65	48 Hours
4401953681	PC-161-20171031	10/31/2017	9040C	C-006	pH	7.8	HF	0.1	0.1	s.u.	J	h	Holding time	55.08	48 Hours
4401953681	PC-161-20171031-FD	10/31/2017	9040C	C-006	pH	7.7	HF	0.1	0.1	s.u.	J	h	Holding time	55.33	48 Hours
4401953681	PC-162-20171031	10/31/2017	9040C	C-006	pH	7.6	HF	0.1	0.1	s.u.	J	h	Holding time	56.75	48 Hours
4401953681	PC-162-20171031-FD	10/31/2017	9040C	C-006	pH	7.6	HF	0.1	0.1	s.u.	J	h	Holding time	56.67	48 Hours
4401953681	PC-163-20171031	10/31/2017	9040C	C-006	pH	7.7	HF	0.1	0.1	s.u.	J	h	Holding time	53.1	48 Hours
4401953681	PC-177-20171031	10/31/2017	9040C	C-006	pH	7.6	HF	0.1	0.1	s.u.	J	h	Holding time	51.12	48 Hours
4401953681	PC-193-20171031	10/31/2017	9040C	C-006	pH	7.7	HF	0.1	0.1	s.u.	J	h	Holding time	54.12	48 Hours
4401953681	PC-194-20171031	10/31/2017	9040C	C-006	pH	7.8	HF	0.1	0.1	s.u.	J	h	Holding time	52.1	48 Hours
4401954031	M-195-20171031	10/31/2017	9040C	C-006	pH	7.6	HF	0.1	0.1	s.u.	J	h	Holding time	51.63	48 Hours
4401954031	M-196-20171031	10/31/2017	9040C	C-006	pH	7.6	HF	0.1	0.1	s.u.	J	h	Holding time	56.9	48 Hours
4401954031	M-197-20171031	10/31/2017	9040C	C-006	pH	7.8	HF	0.1	0.1	s.u.	J	h	Holding time	50.58	48 Hours
4401954031	M-198-20171031	10/31/2017	9040C	C-006	pH	7.8	HF	0.1	0.1	s.u.	J	h	Holding time	55.57	48 Hours
4401954031	M-199-20171031	10/31/2017	9040C	C-006	pH	7.5	HF	0.1	0.1	s.u.	J	h	Holding time	54.18	48 Hours
4401954371	PC-165-20171101	11/1/2017	9040C	C-006	pH	7.8	HF	0.1	0.1	s.u.	J	h	Holding time	51.17	48 Hours
4401954371	PC-165-20171101-FD	11/1/2017	9040C	C-006	pH	7.8	HF	0.1	0.1	s.u.	J	h	Holding time	51.08	48 Hours
4401954371	PC-191-20171101	11/1/2017	9040C	C-006	pH	7.7	HF	0.1	0.1	s.u.	J	h	Holding time	48.75	48 Hours
4401954371	PC-191-20171101-EB	11/1/2017	9040C	C-006	pH	7.2	HF	0.1	0.1	s.u.	J	h	Holding time	48.42	48 Hours
4401954381	M-200-20171101	11/1/2017	9040C	C-006	pH	7.8	HF	0.1	0.1	s.u.	J	h	Holding time	48.4	48 Hours
4401954381	M-239-20171101	11/1/2017	9040C	C-006	pH	7.9	HF	0.1	0.1	s.u.	J	h	Holding time	51.57	48 Hours
4401954381	M-239-20171101-FD	11/1/2017	9040C	C-006	pH	7.9	HF	0.1	0.1	s.u.	J	h	Holding time	51.48	48 Hours
4401954381	M-240-20171101	11/1/2017	9040C	C-006	pH	7.8	HF	0.1	0.1	s.u.	J	h	Holding time	49.62	48 Hours
4401956031	PC-175-20171102	11/2/2017	9040C	C-006	pH	7.4	HF	0.1	0.1	s.u.	J	h	Holding time	75.63	48 Hours
4401956031	PC-188-20171102	11/2/2017	9040C	C-006	pH	7.9	HF	0.1	0.1	s.u.	J	h	Holding time	72.88	48 Hours
4401956031	PC-189-20171102	11/2/2017	9040C	C-006	pH	7.7	HF	0.1	0.1	s.u.	J	h	Holding time	74.22	48 Hours
4401956031	PC-197-20171102	11/2/2017	9040C	C-006	pH	7.8	HF	0.1	0.1	s.u.	J	h	Holding time	76.92	48 Hours
4401956031	M-204-20171102	11/2/2017	9040C	C-006	pH	8.1	HF	0.1	0.1	s.u.	J	h	Holding time	71.22	48 Hours
4401956051	M-216-20171102	11/2/2017	9040C	C-006	pH	7.9	HF	0.1	0.1	s.u.	J	h	Holding time	74.92	48 Hours
4401956051	M-217-20171102	11/2/2017	9040C	C-006	pH	7.9	HF	0.1	0.1	s.u.	J	h	Holding time	74.03	48 Hours

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator <sup>1</sup>	Qualification Finding	Acceptance Criteria
4401956051	M-218-20171102	11/2/2017	9040C	C-006	pH	8.3	HF	0.1	0.1	s.u.	J	h	Holding time	72.47	48 Hours
4401956051	M-83D-20171102	11/2/2017	9040C	C-006	pH	8.1	HF	0.1	0.1	s.u.	J	h	Holding time	77.15	48 Hours
4401956051	M-220-20171102	11/2/2017	9040C	C-006	pH	8.0	HF	0.1	0.1	s.u.	J	h	Holding time	70.87	48 Hours
4401957141	M-149-20171103	11/3/2017	9040C	C-006	pH	8.0	HF	0.1	0.1	s.u.	J	h	Holding time	54.02	48 Hours
4401957141	M-186D-20171103	11/3/2017	9040C	C-006	pH	8.1	HF	0.1	0.1	s.u.	J	h	Holding time	52.73	48 Hours
4401957141	M-186D-20171103-FB	11/3/2017	9040C	C-006	pH	9.3	HF	0.1	0.1	s.u.	J	h	Holding time	52.65	48 Hours
4401957141	M-214-20171103	11/3/2017	9040C	C-006	pH	7.8	HF	0.1	0.1	s.u.	J	h	Holding time	51.68	48 Hours
4401957141	M-214-20171103-EB	11/3/2017	9040C	C-006	pH	9.3	HF	0.1	0.1	s.u.	J	h	Holding time	51.6	48 Hours
4401958171	M-208-20171106	11/6/2017	9040C	C-006	pH	7.8	HF	0.1	0.1	s.u.	J	h	Holding time	55.48	48 Hours
4401958171	M-209-20171106	11/6/2017	9040C	C-006	pH	7.7	HF	0.1	0.1	s.u.	J	h	Holding time	54.72	48 Hours
4401958171	M-209-20171106-FD	11/6/2017	9040C	C-006	pH	7.7	HF	0.1	0.1	s.u.	J	h	Holding time	54.63	48 Hours
4401958171	M-210-20171106	11/6/2017	9040C	C-006	pH	8.1	HF	0.1	0.1	s.u.	J	h	Holding time	53.5	48 Hours
4401958171	M-211-20171106	11/6/2017	9040C	C-006	pH	7.8	HF	0.1	0.1	s.u.	J	h	Holding time	52.45	48 Hours
4401958171	M-212-20171106	11/6/2017	9040C	C-006	pH	7.9	HF	0.1	0.1	s.u.	J	h	Holding time	50.87	48 Hours
4401958231	M-232-20171106	11/6/2017	9040C	C-006	pH	8.0	HF	0.1	0.1	s.u.	J	h	Holding time	50.8	48 Hours
4401958231	M-234-20171106	11/6/2017	9040C	C-006	pH	7.6	HF	0.1	0.1	s.u.	J	h	Holding time	52.13	48 Hours
4401958231	M-234-20171106-FD	11/6/2017	9040C	C-006	pH	7.6	HF	0.1	0.1	s.u.	J	h	Holding time	52.05	48 Hours
4401958231	M-235-20171106	11/6/2017	9040C	C-006	pH	7.9	HF	0.1	0.1	s.u.	J	h	Holding time	53.72	48 Hours
4401958231	M-237-20171106	11/6/2017	9040C	C-006	pH	7.8	HF	0.1	0.1	s.u.	J	h	Holding time	55.47	48 Hours
4401958231	M-238-20171106	11/6/2017	9040C	C-006	pH	7.9	HF	0.1	0.1	s.u.	J	h	Holding time	54.63	48 Hours
4401959471	M-229-20171107	11/7/2017	9040C	C-006	pH	7.8	HF	0.1	0.1	s.u.	J	h	Holding time	49.22	48 Hours
4401959471	M-229-20171107-EB	11/7/2017	9040C	C-006	pH	9.4	HF	0.1	0.1	s.u.	J	h	Holding time	49.13	48 Hours
4401959471	M-229-20171107-FB	11/7/2017	9040C	C-006	pH	9.0	HF	0.1	0.1	s.u.	J	h	Holding time	49.05	48 Hours
4401959471	M-230-20171107	11/7/2017	9040C	C-006	pH	8.0	HF	0.1	0.1	s.u.	J	h	Holding time	50.68	48 Hours
4401959471	M-230-20171107-FD	11/7/2017	9040C	C-006	pH	8.7	HF	0.1	0.1	s.u.	J	h	Holding time	50.6	48 Hours
4401959471	M-231-20171107	11/7/2017	9040C	C-006	pH	8.1	HF	0.1	0.1	s.u.	J	h	Holding time	52.27	48 Hours
4401959471	M-231-20171107-FD	11/7/2017	9040C	C-006	pH	8.1	HF	0.1	0.1	s.u.	J	h	Holding time	52.18	48 Hours
4401959491	M-213-20171107	11/7/2017	9040C	C-006	pH	8.0	HF	0.1	0.1	s.u.	J	h	Holding time	49.47	48 Hours
4401959491	M-236-20171107	11/7/2017	9040C	C-006	pH	7.9	HF	0.1	0.1	s.u.	J	h	Holding time	52.55	48 Hours
4401959491	M-236-20171107-FB	11/7/2017	9040C	C-006	pH	9.3	HF	0.1	0.1	s.u.	J	h	Holding time	52.22	48 Hours
440188813	RI-6-30.0-20170724	7/24/2017	903.0	13982-63-3	Radium-226	2.46		0.0878	0.0878	pci/g	J	o	Carrier % R (Barium)	117	40-110 %
4401890603	RI-14-10.0-20170726	7/26/2017	903.0	13982-63-3	Radium-226	1.09		0.0703	0.0703	pci/g	J	o	Carrier % R (Barium)	112	40-110 %
4401890603	RI-14-30.0-20170726	7/26/2017	903.0	13982-63-3	Radium-226	1.32		0.107	0.107	pci/g	J	o	Carrier % R (Barium)	111	40-110 %
440188813	RI-6-30.0-20170724	7/24/2017	904.0	15262-20-1	Radium-228	0.957		0.355	0.355	pci/g	J	o	Carrier % R (Barium)	117	40-110 %
4401890603	RI-14-10.0-20170726	7/26/2017	904.0	15262-20-1	Radium-228	1.30		0.378	0.378	pci/g	J	o	Carrier % R (Barium)	112	40-110 %
4401890603	RI-14-30.0-20170726	7/26/2017	904.0	15262-20-1	Radium-228	1.72		0.337	0.337	pci/g	J	o	Carrier % R (Barium)	111	40-110 %

**ATTACHMENT A**  
**VOC Data Validation Report (DVR)**



**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
440-188490-1	M-195-100.0-20170717-EB*	All compounds	A headspace of >6 mm was apparent in the sample containers.	There should be no headspace in the sample containers.	UJ (all non-detects)	A
440-189140-1	RI-14-90.0-20170727-EBTB*	All compounds	A headspace of >6 mm was apparent in the sample containers.	There should be no headspace in the sample containers.	UJ (all non-detects)	A
440-194194-1	M-198-20171012	Trichloroethene	A headspace was apparent in the sample containers.	There should be no headspace in the sample containers.	J- (all detects)	A
440-194465-1	M-195-20171017	All compounds	A headspace was apparent in the sample containers.	There should be no headspace in the sample containers.	UJ (all non-detects)	A
440-194566-1	M-36D-20171018-TB	All compounds	A headspace was apparent in the sample containers.	There should be no headspace in the sample containers.	UJ (all non-detects)	A
440-194824-1	M-81D-20171023-TB	All compounds	A headspace was apparent in the sample containers.	There should be no headspace in the sample containers.	UJ (all non-detects)	A
440-194896-1	PC-182-20171024-TB	All compounds	A headspace was apparent in the sample containers.	There should be no headspace in the sample containers.	UJ (all non-detects)	A
440-194903-1	PC-183-20171024-TB PC-184-20171024	All compounds	A headspace was apparent in the sample containers.	There should be no headspace in the sample containers.	J- (all detects) UJ (all non-detects)	A
440-195111-1	H-56A-20171026-TB	All compounds	A headspace was apparent in the sample containers.	There should be no headspace in the sample containers.	UJ (all non-detects)	A
440-195285-1	PC-166-20171030-TB	All compounds	A headspace was apparent in the sample containers.	There should be no headspace in the sample containers.	UJ (all non-detects)	A

SDG	Sample	Compound	Finding	Criteria	Flag	A or P
440-195366-1	M-196-20171031-TB	All compounds	A headspace was apparent in the sample containers.	There should be no headspace in the sample containers.	UJ (all non-detects)	A
440-195436-1	M-239-20171101-TB	All compounds	A headspace was apparent in the sample containers.	There should be no headspace in the sample containers.	UJ (all non-detects)	A

SDG	Sample	Compound	Finding	Criteria	Flag	A or P
440-189223-1	RI-15-5.0-20170728** RI-15-10.0-20170728** RI-15-20.0-20170728**	All compounds	Cooler temperature was reported at 20.3°C upon receipt by the laboratory.	Cooler temperature must be 4±2°C.	J- (all detects) R (all non-detects)	A

The cooler temperature for all samples in SDG 440-192570-1 was reported at 9.8°C upon receipt by the laboratory. Using professional judgment, no data were qualified, since the cooler temperature was below the validation criteria of 10°C.

All technical holding time requirements were met.

## II. GC/MS Instrument Performance Check

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

All ion abundance requirements were met.

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

## III. Initial Calibration and Initial Calibration Verification

An initial calibration was performed as required by the method.

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

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

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

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

SDG	Date	Compound	%D	Associated Samples	Flag	A or P
440-189289-1	05/24/17 (MFE24018.D)	Dichlorodifluoromethane Chloromethane Vinyl chloride	39.8 32.4 24.2	RI-15-105.0-20170731-TB** RI-15-105.0-20170731** RI-15-110.0-20170731** RI-15-110.0-20170731-FD** RI-15-115.0-20170731** RI-15-120.0-20170731** RI-15-125.0-20170731** RI-15-130.0-20170731** RI-15-140.0-20170731** RI-15-145.0-20170731** RI-15-150.0-20170731**	UJ (all non-detects) UJ (all non-detects) UJ (all non-detects)	A
440-190153-1	05/24/17 (MFE24018.D)	Dichlorodifluoromethane Chloromethane Vinyl chloride	39.8 32.4 24.2	PCDB-11-5.0-20170811-TB PCDB-11-5.0-20170811 PCDB-11-10.0-20170811 PCDB-11-10.0-20170811-FD PCDB-11-20.0-20170811 PCDB-11-30.0-20170811 PCDB-11-40.0-20170811 PCDB-11-40.0-20170811-FD PCDB-11-50.0-20170811	UJ (all non-detects) UJ (all non-detects) UJ (all non-detects)	A
440-190181-1	05/24/17 (MFE24018.D)	Dichlorodifluoromethane Chloromethane Vinyl chloride	39.8 32.4 24.2	PCDB-10-70.0-20170813-FD PCDB-13-50.0-20170813 PCDB-13-60.0-20170813 PCDB-13-70.0-20170813	UJ (all non-detects) UJ (all non-detects) UJ (all non-detects)	A
440-190318-1	05/24/17 (MFE24018.D)	Dichlorodifluoromethane Chloromethane Vinyl chloride	39.8 32.4 24.2	PCDB-5-20.0-20170815-FD PCDB-5-30.0-20170815 PCDB-5-40.0-20170815 PCDB-5-50.0-20170815 PCDB-5-60.0-20170815 PCDB-5-70.0-20170815 PCDB-5-60.0-20170815-FD PCDB-5-80.0-20170815 PCDB-5-90.0-20170815 PCDB-12-70.0-20170814-TB PCDB-12-70.0-20170814	UJ (all non-detects) UJ (all non-detects) UJ (all non-detects)	A
440-191076-1	05/24/17 (MFE24018.D)	Dichlorodifluoromethane Chloromethane Vinyl chloride	39.8 32.4 24.2	PCDB-14-5.0-20170826-TB PCDB-14-60.0-20170826 PCDB-14-80.0-20170826 PCDB-14-80.0-20170826-FD	UJ (all non-detects) UJ (all non-detects) UJ (all non-detects)	A

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

#### IV. Continuing Calibration

Continuing calibration was performed at the required frequencies.

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

SDG	Date	Compound	%D	Associated Samples	Flag	A or P
440-189260-1	08/02/17 (AFH02002.D)	2-Butanone	21.2	RI-15-30.0-20170730 RI-15-40.0-20170730 RI-15-80.0-20170730 RI-15-90.0-20170730 RI-15-90.0-20170730-FD RI-15-95.0-20170730 RI-15-100.0-20170730	UJ (all non-detects)	A
440-189261-1	08/02/17 (AFH02002.D)	2-Butanone	21.2	PCDB-7-30.0-20170729 PCDB-7-50.0-20170729 PCDB-7-90.0-20170729 PCDB-4-50.0-20170730	UJ (all non-detects)	A
440-189261-1	08/06/17 (AFH06002.D)	2-Butanone	30.0	PCDB-4-80.0-20170730	UJ (all non-detects)	A
440-189289-1	08/02/17 (MFH02002.D)	Acetone 2-Butanone 2-Hexanone	32.8 23.1 22.1	RI-15-105.0-20170731-TB** RI-15-105.0-20170731** RI-15-110.0-20170731** RI-15-110.0-20170731-FD** RI-15-115.0-20170731** RI-15-120.0-20170731** RI-15-125.0-20170731**	UJ (all non-detects) UJ (all non-detects) UJ (all non-detects)	A
440-189289-1	08/03/17 (MFH03002.D)	2-Butanone	20.1	RI-15-130.0-20170731** RI-15-140.0-20170731** RI-15-145.0-20170731** RI-15-150.0-20170731**	UJ (all non-detects)	A
440-189289-1	08/02/17 (AFH02002.D)	2-Butanone	21.2	RI-15-135.0-20170731**	UJ (all non-detects)	A
440-190153-1	08/15/17 (MFH15002.D)	Dichlorodifluoromethane Acetone Methylene chloride	21.8 20.7 20.6	PCDB-11-5.0-20170811-TB PCDB-11-5.0-20170811 PCDB-11-10.0-20170811 PCDB-11-10.0-20170811-FD PCDB-11-20.0-20170811 PCDB-11-30.0-20170811 PCDB-11-40.0-20170811 PCDB-11-40.0-20170811-FD PCDB-11-50.0-20170811	UJ (all non-detects) UJ (all non-detects) UJ (all non-detects)	A
440-190181-1	08/15/17 (MFH15002.D)	Dichlorodifluoromethane Chloromethane Methylene chloride	21.8 20.7 20.6	PCDB-10-70.0-20170813-FD	J- (all detects) UJ (all non-detects)	A

SDG	Date	Compound	%D	Associated Samples	Flag	A or P
440-190277-1	08/17/17 (YFH17002.D)	Acetone	27.1	PCDB-13-80.0-20170814-TB PCDB-13-90.0-20170814 PCDB-12-20.0-20170814 PCDB-12-30.0-20170814 PCDB-12-50.0-20170814 PCDB-12-60.0-20170814 PCDB-12-60.0-20170814-FD	UJ (all non-detects)	A
440-190318-1	08/17/17 (MFH17002.D)	2-Butanone	24.3	PCDB-5-20.0-20170815-FD PCDB-5-30.0-20170815 PCDB-5-40.0-20170815 PCDB-5-50.0-20170815 PCDB-5-60.0-20170815 PCDB-5-70.0-20170815 PCDB-5-60.0-20170815-FD PCDB-5-80.0-20170815 PCDB-5-90.0-20170815 PCDB-12-70.0-20170814-TB PCDB-12-70.0-20170814	UJ (all non-detects)	A
440-190318-1	08/17/17 (YFH17002.D)	Acetone	27.1	PCDB-5-5.0-20170815 PCDB-5-10.0-20170815 PCDB-5-20.0-20170815 PCDB-12-90.0-20170814-FD	UJ (all non-detects)	A
440-191076-1	08/30/17 (MFH30002.D)	2-Butanone	26.6	PCDB-14-60.0-20170826 PCDB-14-80.0-20170826 PCDB-14-80.0-20170826-FD	UJ (all non-detects)	A
440-191076-1	08/31/17 (MFH31002.D)	Acetone 2-Butanone	26.5 20.4	PCDB-14-5.0-20170826-TB	UJ (all non-detects) UJ (all non-detects)	A
440-192570-1	09/21/17 (XFI21002.D)	2-Butanone	20.5	All samples in SDG 440-192570-1	UJ (all non-detects)	A

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

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
440-188296-1	MB 440-417482/26	07/15/17	Naphthalene	0.00105 mg/Kg	All samples in SDG 440-188296-1

SDG	Blank ID	Analysis Date	Compound	Concentration	Associated Samples
440-188490-1	MB 440-418261/5	07/20/17	Naphthalene	0.00119 mg/Kg	M-195-100.0-20170717-TB M-195-100.0-20170717 M-195-110.0-20170717
440-188535-1	MB 440-418261/5	07/20/17	Naphthalene	0.00119 mg/Kg	M-195-120.0-20170718** M-195-130.0-20170718** M-195-140.0-20170718**
440-191584-1	MB 440-427886/3	09/08/17	Naphthalene tert-Butylbenzene	0.739 ug/L 0.277 ug/L	M-234-20170906-TB* M-234-20170906-FB* M-234-20170906* M-236-20170906* M-236-20170906-FD*
440-194664-1	MB 440-437744/3	10/26/17	Naphthalene	0.434 ug/L	All samples in SDG 440-194664-1

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.

## VI. Field Blanks

Samples M-197-100.0-20170712-TB (from SDG 440-188296-1), M-195-100.0-20170717-TB, M-195-100.0-20170717-EBTB\* (both from SDG 440-188490-1), M-195-120.0-20170718-TB\*\*, M-195-130.0-20170718-EBTB\* (both from SDG 440-188535-1), RI-6-20.0-20170724-TB (from SDG 440-188881-1), RI-6-90.0-20170725-TB, RI-6-120.0-20170725-EBTB\* (both from SDG 440-188942-1), RI-14-5.0-20170726-TB, RI-14-50.0-20170726-EBTB\* (both from SDG 440-189060-1), RI-14-90.0-20170727-TB, RI-14-90.0-20170727-EBTB\* (both from SDG 440-189140-1), RI-15-5.0-20170728-TB\*\*, PCDB-7-5.0-20170728-TB\*\* (both from SDG 440-189223-1), RI-15-100.0-20170730-EBTB\* (from SDG 440-189260-1), PCDB-7-30.0-20170729-TB (from SDG 440-189261-1), RI-15-105.0-20170731-TB\*\*, RI-15-110.0-20170731-EBTB\* (both from SDG 440-189289-1), PCDB-11-5.0-20170811-TB (from SDG 440-190153-1), PCDB-10-5.0-20170812-TB (from SDG 440-190181-1), PCDB-13-80.0-20170814-TB, PCDB-12-10.0-20170814-EBTB\* (both from SDG 440-190277-1), PCDB-12-70.0-20170814-TB, PCDB-5-50.0-20170815-EBTB\* (both from SDG 440-190318-1), PC-40-20170821-TB\* (from SDG 440-190675-1), H-56A-20170822-TB\* (from SDG 440-190751-1), MC-61-20170823-TB\* (from SDG 440-190848-1), MC-MW-38-20170824-TB\* (from SDG 440-190949-1), PCDB-14-5.0-20170826-TB (from SDG 440-191076-1), M-237-20170905-TB\* (from SDG 440-191494-1), M-234-20170906-TB\* (from SDG 440-191584-1), M-206-20170907-TB\* (from SDG 440-191691-1), M-242-20170908-TB\* (from SDG 440-191775-1), M-246-20170908\*-TB\* (from SDG 440-191800-1), M-229-20170911-TB\* (from SDG 440-191907-1), PC-180-20170912-TB\* (from SDG 440-191979-1), PC-184-20170912-TB\* (from SDG 440-192009-1), M-230-20170913-TB\* (from SDG 440-192106-1), PC-193-20170913-TB\* (from SDG 440-192114-1), M-235-20170914-TB\*

(from SDG 440-192217-1), PC-166-20170914-TB (from SDG 440-192253-1), PC-171-20170915-TB\* (from SDG 440-192338-1), PCDB-9-20.0-20170919-TB\*\* (from SDG 440-192570-1), PCDB-8-5.0-20170920-TB, PCDB-8-50.0-20170920-EBTB\* (both from SDG 440-192628-1), PC-177-20170925-TB\* (from SDG 440-192897-1), M-204-20170926-TB\* (from SDG 440-192969-1), PC-194-20170927-TB\* (from SDG 440-193060-1), M-135-20170928-TB\* (from SDG 440-193158-1), PC-165-20170929-TB (from SDG 440-193226-1), PC-189-20171009-TB (from SDG 440-193870-1), PC-191-20171010-TB (from SDG 440-193988-1), PC-197-20171011-TB (from SDG 440-194107-1), M-196-20171012-TB (from SDG 440-194194-1), M-83D-20171013-TB (from SDG 440-194282-1), M-239-20171016-TB (from SDG 440-194381-1), M-22D-20171017-TB (from SDG 440-194463-1), M-214-20171017-TB (from SDG 440-194465-1), M-36D-20171018-TB (from SDG 440-194566-1), M-228-20171019-TB (from SDG 440-194658-1), PC-155A-20171019-TB (from SDG 440-194664-1), PC-157B-20171020-TB (from SDG 440-194736-1), M-202-20171020-TB (from SDG 440-194738-1), M-203-20171020-TB (from SDG 440-194771-1), M-81D-20171023-TB (from SDG 440-194824-1), PC-182-20171024-TB (from SDG 440-194896-1), PC-183-20171024-TB (from SDG 440-194903-1), MC-65R-20171025-TB (from SDG 440-194986-1), MC-MW-37R-20171025-TB (from SDG 440-194992-1), MC-MW-36-20171026-TB (from SDG 440-195109-1), H-56A-20171026-TB (from SDG 440-195111-1), M-44-20171027-TB (from SDG 440-195199-1), PC-166-20171030-TB (from SDG 440-195285-1), M-196-20171031-TB (from SDG 440-195366-1), M-239-20171101-TB (from SDG 440-195436-1), M-83D-20171102-TB (from SDG 440-195580-1), M-149-20171103-TB (from SDG 440-195691-1), M-208-20171106-TB (from SDG 440-195798-1), M-231-20171107-TB (from SDG 440-195907-1), and M-173-20171108-TB (from SDG 440-196074-1) were identified as trip blanks. No contaminants were found with the following exceptions:

SDG	Blank ID	Collection Date	Compound	Concentration	Associated Samples
440-190277-1	PCDB-12-10.0-20170814-EBTB*	08/14/17	Methylene chloride	0.94 ug/L	PCDB-12-10.0-20170814-EB*
440-190751-1	H-56A-20170822-TB*	08/22/17	Methylene chloride	1.2 ug/L	H-56A-20170822* H-48-20170822* TR-12-20170822* H-58A-20170822* H-49A-20170822* H-49A-20170822-FD* MC-62-20170822* MC-MW-36-20170822*
440-191584-1	M-234-20170906-TB*	09/06/17	Methylene chloride	1.6 ug/L	M-234-20170906-FB* M-234-20170906* M-236-20170906* M-236-20170906-FD* M-205-20170906* M-205-20170906-EB*
440-192114-1	PC-193-20170913-TB*	09/13/17	Naphthalene	1.0 ug/L	PC-193-20170913* M-211-20170913*

SDG	Blank ID	Collection Date	Compound	Concentration	Associated Samples
440-193988-1	PC-191-20171010-TB	10/10/17	Methylene chloride	1.7 ug/L	PC-191-20171010 PC-195-20171010 PC-196-20171010
440-194824-1	M-81D-20171023-TB	10/23/17	1,2-Dichlorobenzene n-Butylbenzene	0.26 ug/L 0.47 ug/L	M-81D-20171023 M-215-20171023 M-219-20171023 M-227-20171023 M-226-20171023

The laboratory indicated that the Trip Blanks associated to the soil samples were collected in Terra Core kits (water-preserved and Methanol-preserved VOA vials) without any soil added. These Trip Blanks were analyzed in the same manner as the soil samples. The laboratory used a nominal weight of 5 grams and results were reported on a wet weight basis with units in mg/Kg.

Samples M-195-100.0-20170717-EB\* (from SDG 440-188490-1), M-195-130.0-20170718-EB\* (from SDG 440-188535-1), RI-6-120.0-20170725-EB\* , RI-6-130.0-20170725-EB\* (both from SDG 440-188942-1), RI-14-50.0-20170726-EB\* (from SDG 440-189060-1), RI-14-90.0-20170727-EB\*, RI-14-100.0-20170727-EB\* (both from SDG 440-189140-1), RI-15-100.0-20170730-EB\* (from SDG 440-189260-1), RI-15-110.0-20170731-EB\* (from SDG 440-189289-1), PCDB-12-10.0-20170814-EB\*, PCDB-12-50.0-20170814-EB\* (both from SDG 440-190277-1), PCDB-5-50.0-20170815-EB\*, PCDB-5-70.0-20170815-EB\* (both from SDG 440-190318-1), PC-71-20170824-EB\* (from SDG 440-190949-1), M-205-20170906-EB\* (from SDG 440-191584-1), PC-162-20170913-EB\* (from SDG 440-192106-1), PCDB-8-50.0-20170920-EB\* (from SDG 440-192628-1), M-214-20171017-EB (from SDG 440-194465-1), PC-187-20171024-EB (from SDG 440-194903-1), PC-37-20171025-EB (from SDG 440-194992-1), PC-191-20171101-EB (from SDG 440-195435-1), M-214-20171103-EB (from SDG 440-195691-1), M-205-20171103-EB (from SDG 440-195693-1), M-225-20171107-EB (from SDG 440-195898-1), M-229-20171107-EB (from SDG 440-195907-1), and M-175-20171108-EB (from SDG 440-196072-1) were identified as equipment blanks. No contaminants were found with the following exceptions:

SDG	Blank ID	Collection Date	Compound	Concentration	Associated Samples
440-190277-1	PCDB-12-10.0-20170814-EB*	08/14/17	Methylene chloride	1.1 ug/L	PCDB-12-10.0-20170814
440-191584-1	M-205-20170906-EB*	09/06/17	Toluene	0.64 ug/L	M-205-20170906*
440-195435-1	PC-191-20171101-EB	11/01/17	Methylene chloride	1.4 ug/L	PC-191-20171101
440-195691-1	M-214-20171103-EB	11/03/17	Methylene chloride	2.0 ug/L	M-214-20171103



SDG	Blank ID	Collection Date	Compound	Concentration	Associated Samples
440-195693-1	M-205-20171103-EB	11/03/17	Methylene chloride	1.0 ug/L	M-205-20171103
440-195907-1	M-229-20171107-EB	11/07/17	Chloroform	0.31 ug/L	M-229-20171107

Samples PC-37-20170824-FB\* (from SDG 440-190949-1), M-234-20170906-FB\* (from SDG 440-191584-1), PC-184-20170912-FB\* (from SDG 440-192009-1), PC-165-20170929-FB (from SDG 440-193226-1), M-233-20171016-FB (from SDG 440-194381-1), PC-170-20171024-FB (from SDG 440-194896-1), PC-187-20171024-FB (from SDG 440-194903-1), M-186D-20171103-FB (from SDG 440-195691-1), M-236-20171107-FB (from SDG 440-195898-1), M-229-20171107-FB, M-223-20171107-FB (both from SDG 440-195907-1), and M-58-20171108-FB (from SDG 440-196074-1) were identified as field blanks. No contaminants were found with the following exceptions:

SDG	Blank ID	Collection Date	Compound	Concentration	Associated Samples
440-191584-1	M-234-20170906-FB*	09/06/17	Methylene chloride Toluene	1.6 ug/L 0.87 ug/L	M-234-20170906*
440-194896-1	PC-170-20171024-FB	10/24/17	Methylene chloride	1.2 ug/L	PC-170-20171024

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
440-190277-1	PCDB-12-10.0-20170814-EB*	Methylene chloride	1.1 ug/L	1.1J ug/L
440-191584-1	M-234-20170906-FB*	Methylene chloride	1.6 ug/L	1.6J ug/L
440-191584-1	M-236-20170906*	Methylene chloride	1.7 ug/L	1.7J ug/L
440-191584-1	M-236-20170906-FD*	Methylene chloride	1.6 ug/L	1.6J ug/L
440-193988-1	PC-191-20171010	Methylene chloride	1.6 ug/L	1.6J ug/L
440-193988-1	PC-195-20171010	Methylene chloride	1.8 ug/L	1.8J ug/L
440-193988-1	PC-196-20171010	Methylene chloride	1.6 ug/L	1.6J ug/L

## 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
440-189140-1	RI-14-110.0-20170727	Bromofluorobenzene	137 (79-120)	All compounds	NA	-
440-191494-1	M-238-20170905*	Dibromofluoromethane	133 (76-132)	Styrene Naphthalene 1,2,4-Trimethylbenzene	NA	-

## VIII. Matrix Spike/Matrix Spike Duplicates

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

SDG	Spike ID (Associated Samples)	Compound	MS (%R) (Limits)	MSD (%R) (Limits)	Flag	A or P
440-190153-1	PCDB-11-20.0-20170811MS/MSD (PCDB-11-20.0-20170811)	Hexachlorobutadiene	47 (50-145)	-	UJ (all non-detects)	A
440-190181-1	PCDB-10-80.0-20170813MS/MSD (PCDB-10-80.0-20170813)	Benzene Chlorobenzene Chloroform	35 (65-130) - -	-26 (65-130) 68 (70-130) 59 (65-135)	J- (all detects) J- (all detects) J- (all detects)	A
440-190751-1	H-56A-20170822MS/MSD* (H-56A-20170822*)	Styrene	0 (29-150)	0 (29-150)	R (all non-detects)	A
440-190848-1	MC-MW-37-20170823MS/MSD* (MC-MW-37-20170823*)	Styrene	-	16 (29-150)	UJ (all non-detects)	A
440-192628-1	PCDB-8-30.0-20170920MS/MSD (PCDB-8-30.0-20170920)	Chloroform	60 (65-135)	36 (65-135)	J- (all detects)	A
440-194194-1	M-199-20171012MS/MSD (M-199-20171012)	Chloroform	-70 (70-130)	-	J- (all detects)	A
440-194896-1	PC-173-20171024MS/MSD (PC-173-20171024)	Styrene	7 (29-150)	7 (29-150)	UJ (all non-detects)	A
440-194903-1	PC-185-20171024MS/MSD (PC-185-20171024)	Styrene	-	25 (29-150)	UJ (all non-detects)	A

SDG	Spike ID (Associated Samples)	Compound	MS (%R) (Limits)	MSD (%R) (Limits)	Flag	A or P
440-195109-1	MC-MW-36-20171026MS/MSD (MC-MW-36-20171026)	Chlorobenzene	-	59 (70-130)	J- (all detects)	A
440-195219-1	M-246-20171027MS/MSD (M-246-20171027)	Chloroform	-	69 (70-130)	J- (all detects)	A
440-195936-1	M-168-20171106MS/MSD (M-168-20171106)	Styrene	23 (29-150)	22 (29-150)	UJ (all non-detects)	A

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

SDG	Spike ID (Associated Samples)	Compound	RPD (Limits)	Flag	A or P
440-190181-1	PCDB-10-80.0-20170813MS/MSD (PCDB-10-80.0-20170813)	Benzene	25 ( $\leq 20$ )	J (all detects)	A
440-194194-1	M-199-20171012MS/MSD (M-199-20171012)	Chloroform	47 ( $\leq 20$ )	J (all detects)	A

### 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 with the following exceptions:

SDG	LCS ID (Associated Samples)	Compound	%R (Limits)	Flag	A or P
440-188490-1	LCS 440-418261/6 (M-195-100.0-20170717-TB M-195-100.0-20170717 M-195-110.0-20170717)	Isopropyl ether	146 (60-140)	NA	-
440-188535-1	LCS 440-418261/6 (M-195-120.0-20170718-TB** M-195-120.0-20170718** M-195-130.0-20170718** M-195-140.0-20170718** M-195-150.0-20170718**)	Isopropyl ether	146 (60-140)	NA	-

Relative percent differences (RPD) were within QC limits.

### X. Field Duplicates

Samples M-197-120.0-20170712 and M-197-120.0-20170712-FD (both from SDG 440-

188296-1), samples RI-6-90.0-20170725 and RI-6-90.0-20170725-FD (both from SDG 440-188942-1), samples RI-14-70.0-20170726 and RI-14-70.0-20170726-FD (both from SDG 440-189060-1), samples RI-14-100.0-20170727 and RI-14-100.0-20170727-FD (both from SDG 440-189140-1), samples RI-15-90.0-20170730 and RI-15-90.0-20170730-FD (both from SDG 440-189260-1), samples RI-15-110.0-20170731\*\* and RI-15-110.0-20170731-FD\*\* (both from SDG 440-189289-1), samples PCDB-11-10.0-20170811 and PCDB-11-10.0-20170811-FD (both from SDG 440-190153-1), samples PCDB-11-40.0-20170811 and PCDB-11-40.0-20170811-FD (both from SDG 440-190153-1), samples PCDB-11-80.0-20170811 and PCDB-11-80.0-20170811-FD (both from SDG 440-190153-1), samples PCDB-10-10.0-20170812 and PCDB-10-10.0-20170812-FD (both from SDG 440-190181-1), samples PCDB-10-40.0-20170812 and PCDB-10-40.0-20170812-FD (both from SDG 440-190181-1), samples PCDB-10-70.0-20170813 and PCDB-10-70.0-20170813-FD (both from SDG 440-190181-1), samples PCDB-13-10.0-20170813 and PCDB-13-10.0-20170813-FD (both from SDG 440-190181-1), samples PCDB-13-40.0-20170813 and PCDB-13-40.0-20170813-FD (both from SDG 440-190181-1), samples PCDB-13-80.0-20170814 and PCDB-13-80.0-20170814-FD (both from SDG 440-190277-1), samples PCDB-12-20.0-20170814 and PCDB-12-20.0-20170814-FD (both from SDG 440-190277-1), samples PCDB-12-60.0-20170814 and PCDB-12-60.0-20170814-FD (both from SDG 440-190277-1), samples PCDB-5-20.0-20170815 and PCDB-5-20.0-20170815-FD (both from SDG 440-190318-1), samples PCDB-5-60.0-20170815 and PCDB-5-60.0-20170815-FD (both from SDG 440-190318-1), samples PCDB-12-90.0-20170814 and PCDB-12-90.0-20170814-FD (both from SDG 440-190318-1), samples H-49A-20170822\* and H-49A-20170822-FD\* (both from SDG 440-190751-1), samples PC-72-20170824\* and PC-72-20170824-FD\* (both from SDG 440-190949-1), samples PCDB-14-20.0-20170826 and PCDB-14-20.0-20170826-FD (both from SDG 440-191076-1), samples PCDB-14-50.0-20170826 and PCDB-14-50.0-20170826-FD (both from SDG 440-191076-1), samples PCDB-14-80.0-20170826 and PCDB-14-80.0-20170826-FD (both from SDG 440-191076-1), samples M-236-20170906\* and M-236-20170906-FD\* (both from SDG 440-191584-1), samples M-243-20170908\* and M-243-20170908-FD\* (both from SDG 440-191775-1), samples PC-173-20170911\* and PC-173-20170911-FD\* (both from SDG 440-191907-1), samples PCDB-9-30.0-20170919\*\* and PCDB-9-30.0-20170919-FD\*\* (both from SDG 440-192570-1), samples PCDB-9-80.0-20170919\*\* and PCDB-9-80.0-20170919-FD\*\* (both from SDG 440-192570-1), samples PCDB-8-20.0-20170920 and PCDB-8-20.0-20170920-FD (both from SDG 440-192628-1), samples PC-194-20170927\* and PC-194-20170927-FD\* (both from SDG 440-193060-1), samples PC-178-20171011 and PC-178-20171011-FD (both from SDG 440-194107-1), samples PC-155A-20171019 and PC-155A-20171019-FD (both from SDG 440-194664-1), samples PC-182-20171024 and PC-182-20171024-FD (both from SDG 440-194896-1), samples PC-187-20171024 and PC-187-20171024-FD (both from SDG 440-194903-1), samples PC-72-20171026 and PC-72-20171026-FD (both from SDG 440-195109-1), samples PC-162-20171031 and PC-162-20171031-FD (both from SDG 440-195367-1), samples PC-161-20171031 and PC-161-20171031-FD (both from SDG 440-195367-1), samples PC-165-20171101 and PC-165-20171101-FD (both from SDG 440-195435-1), samples M-239-20171101 and M-239-20171101-FD (both from SDG 440-195436-1), samples PC-186-20171103 and PC-186-20171103-FD (both from SDG 440-195693-1), samples M-234-20171106 and M-234-20171106-FD (both from SDG 440-195797-1), samples M-209-

20171106 and M-209-20171106-FD (both from SDG 440-195798-1), samples M-231-20171107 and M-231-20171107-FD (both from SDG 440-195907-1), samples M-230-20171107 and M-230-20171107-FD (both from SDG 440-195907-1), samples M-174-20171108 and M-174-20171108-FD (both from SDG 440-196072-1), and samples M-60-20171108 and M-60-20171108-FD (both from SDG 440-196074-1) were identified as field duplicates. No results were detected in any of the samples with the following exceptions:

SDG	Compound	Concentration (mg/Kg)		RPD (Limits)	Flag	A or P
		M-197-120.0-20170712	M-197-120.0-20170712-FD			
440-188296-1	Chloroform	0.12	0.12	0 (≤50)	-	-

SDG	Compound	Concentration (mg/Kg)		RPD (Limits)	Flag	A or P
		RI-6-90.0-20170725	RI-6-90.0-20170725-FD			
440-188942-1	Carbon tetrachloride	0.0012	0.0013	8 (≤50)	-	-
	Chloroform	0.19	0.19	0 (≤50)	-	-

SDG	Compound	Concentration (mg/Kg)		RPD (Limits)	Flag	A or P
		RI-14-70.0-20170726	RI-14-70.0-20170726-FD			
440-189060-1	Chloroform	0.14	0.15	7 (≤50)	-	-
	Trichloroethene	0.0013	0.0013	0 (≤50)	-	-

SDG	Compound	Concentration (mg/Kg)		RPD (Limits)	Flag	A or P
		RI-15-90.0-20170730	RI-15-90.0-20170730-FD			
440-189260-1	Chloroform	0.0051	0.0047	8 (≤50)	-	-

SDG	Compound	Concentration (mg/Kg)		RPD (Limits)	Flag	A or P
		RI-15-110.0-20170731**	RI-15-110.0-20170731-FD**			
440-189289-1	Chloroform	0.0015U	0.0010	200 (≤50)	NQ	-

SDG	Compound	Concentration (mg/Kg)		RPD (Limits)	Flag	A or P
		PCDB-11-40.0-20170811	PCDB-11-40.0-20170811-FD			
440-190153-1	Chloroform	0.0024	0.028	168 (≤50)	J (all detects)	A

SDG	Compound	Concentration (mg/Kg)		RPD (Limits)	Flag	A or P
		PCDB-11-80.0-20170811	PCDB-11-80.0-20170811-FD			
440-190153-1	Chloroform	0.0013U	0.0012	200 (≤50)	NQ	-

SDG	Compound	Concentration (mg/Kg)		RPD (Limits)	Flag	A or P
		PCDB-10-40.0-20170812	PCDB-10-40.0-20170812-FD			
440-190181-1	Chloroform	0.0076	0.0049	43 (≤50)	-	-

SDG	Compound	Concentration (mg/Kg)		RPD (Limits)	Flag	A or P
		PCDB-10-70.0-20170813	PCDB-10-70.0-20170813-FD			
440-190181-1	Benzene	0.27	0.22	20 (≤50)	-	-
	Chlorobenzene	0.048	0.039	21 (≤50)	-	-
	Chloroform	0.12	0.096	22 (≤50)	-	-
	Methylene chloride	0.013	0.011	17 (≤50)	-	-
	Toluene	0.00097	0.00072	30 (≤50)	-	-

SDG	Compound	Concentration (mg/Kg)		RPD (Limits)	Flag	A or P
		PCDB-13-40.0-20170813	PCDB-13-40.0-20170813-FD			
440-190181-1	Carbon tetrachloride	0.00078	0.0010	25 (≤50)	-	-
	Chloroform	0.0037	0.0046	22 (≤50)	-	-

SDG	Compound	Concentration (mg/Kg)		RPD (Limits)	Flag	A or P
		PCDB-13-80.0-20170814	PCDB-13-80.0-20170814-FD			
440-190277-1	Benzene	0.0084	0.011	27 (≤50)	-	-
	Chlorobenzene	0.063	0.083	27 (≤50)	-	-
	1,2-Dichlorobenzene	0.0011U	0.00053	200 (≤50)	NQ	-
	1,4-Dichlorobenzene	0.0019	0.0022	15 (≤50)	-	-
	1,1-Dichloroethane	0.0026	0.0034	27 (≤50)	-	-
	Trichloroethene	0.00059	0.00070	17 (≤50)	-	-

SDG	Compound	Concentration (mg/Kg)		RPD (Limits)	Flag	A or P
		PCDB-12-60.0-20170814	PCDB-12-60.0-20170814-FD			
440-190277-1	Chloroform	0.00077	0.0011U	200 (≤50)	NQ	-

SDG	Compound	Concentration (mg/Kg)		RPD (Limits)	Flag	A or P
		PCDB-5-60.0-20170815	PCDB-5-60.0-20170815-FD			
440-190318-1	Acetone	0.021	0.027	25 (≤50)	-	-
	Chloroform	0.0012	0.0014U	200 (≤50)	NQ	-

SDG	Compound	Concentration (ug/L)		RPD (Limits)	Flag	A or P
		H-49A-20170822*	H-49A-20170822-FD*			
440-190751-1	Benzene	1.2	1.2	0 (≤30)	-	-
	Chloroform	1.4	1.5	7 (≤30)	-	-
	1,2-Dichlorobenzene	16	14	13 (≤30)	-	-
	1,3-Dichlorobenzene	0.99	0.79	22 (≤30)	-	-
	1,4-Dichlorobenzene	26	22	17 (≤30)	-	-

SDG	Compound	Concentration (ug/L)		RPD (Limits)	Flag	A or P
		H-49A-20170822*	H-49A-20170822-FD*			
	1,1-Dichloroethane	5.6	5.4	4 (≤30)	-	-
440-190751-1	1,2,3-Trichlorobenzene	4.0	3.2	22 (≤30)	-	-
	1,2,4-Trichlorobenzene	17	13	27 (≤30)	-	-
	Trichloroethene	1.7	1.7	0 (≤30)	-	-
	Chlorobenzene	270	250	8 (≤30)	-	-

SDG	Compound	Concentration (mg/Kg)		RPD (Limits)	Flag	A or P
		PC-72-20170824*	PC-72-20170824-FD*			
440-190949-1	Carbon tetrachloride	1.3	1.3	0 (≤30)	-	-
	Chloroform	35	37	6 (≤30)	-	-
	Tetrachloroethene	0.84	0.92	9 (≤30)	-	-
	Trichloroethene	0.48	0.54	12 (≤30)	-	-

SDG	Compound	Concentration (mg/Kg)		RPD (Limits)	Flag	A or P
		PCDB-14-50.0-20170826	PCDB-14-50.0-20170826-FD			
440-191076-1	Carbon tetrachloride	0.0087	0.0065	29 (≤50)	-	-
	Chloroform	0.25	0.21	17 (≤50)	-	-

SDG	Compound	Concentration (ug/L)		RPD (Limits)	Flag	A or P
		M-236-20170906*	M-236-20170906-FD*			
440-191584-1	Carbon tetrachloride	0.59	0.65	10 (≤30)	-	-
	Chloroform	54	55	2 (≤30)	-	-
	1,2-Dichloroethane	0.28	0.26	7 (≤30)	-	-



SDG	Compound	Concentration (ug/L)		RPD (Limits)	Flag	A or P
		M-236-20170906*	M-236-20170906-FD*			
	1,1-Dichloroethene	0.36	0.56	43 (≤30)	NQ	-
	Methylene chloride	1.7	1.6	6 (≤30)	-	-

SDG	Compound	Concentration (ug/L)		RPD (Limits)	Flag	A or P
		M-243-20170908*	M-243-20170908-FD*			
440-191775-1	Benzene	59	58	2 (≤30)	-	-
	Chlorobenzene	150	150	0 (≤30)	-	-
	Chloroform	2.5	2.6	4 (≤30)	-	-
	1,1-Dichloroethane	15	15	0 (≤30)	-	-
	1,2-Dichloroethane	17	16	6 (≤30)	-	-
	Methylene chloride	2.0U	1.2	200 (≤30)	NQ	-

SDG	Compound	Concentration (ug/L)		RPD (Limits)	Flag	A or P
		PC-173-20170911*	PC-173-20170911-FD*			
440-191907-1	Benzene	6.7	6.8	1 (≤30)	-	-
	Chloroform	1.2	1.2	0 (≤30)	-	-
	1,2-Dichlorobenzene	19	18	5 (≤30)	-	-
	1,3-Dichlorobenzene	1.2	1.1	9 (≤30)	-	-
	1,4-Dichlorobenzene	23	22	4 (≤30)	-	-
	1,1-Dichloroethane	20	21	5 (≤30)	-	-
	1,2-Dichloroethane	1.1	1.0	10 (≤30)	-	-
	Methylene chloride	2.4	2.5	4 (≤30)	-	-

SDG	Compound	Concentration (ug/L)		RPD (Limits)	Flag	A or P
		PC-173-20170911*	PC-173-20170911-FD*			
	Tetrachloroethene	0.65	0.66	2 (≤30)	-	-
	1,2,4-Trichlorobenzene	1.7	1.5	12 (≤30)	-	-
	Trichloroethene	11	11	0 (≤30)	-	-
	Chlorobenzene	420	420	0 (≤30)	-	-

SDG	Compound	Concentration (mg/Kg)		RPD (Limits)	Flag	A or P
		PCDB-9-30.0-20170919**	PCDB-9-30.0-20170919-FD**			
440-192570-1	Bromoform	0.0044	0.0039	12 (≤50)	-	-
	Carbon tetrachloride	0.0068	0.0065	5 (≤50)	-	-
	Chloroform	0.086	0.079	8 (≤50)	-	-

SDG	Compound	Concentration (mg/Kg)		RPD (Limits)	Flag	A or P
		PCDB-8-20.0-20170920	PCDB-8-20.0-20170920-FD			
440-192628-1	1,2-Dichlorobenzene	0.0011	0.00092	18 (≤50)	-	-
	1,3-Dichlorobenzene	0.0013U	0.00074	200 (≤50)	NQ	-
	1,4-Dichlorobenzene	0.0013	0.0012	8 (≤50)	-	-
	Tetrachloroethene	0.0039	0.0037	5 (≤50)	-	-

SDG	Compound	Concentration (ug/L)		RPD (Limits)	Flag	A or P
		PC-194-20170927*	PC-194-20170927-FD*			
440-193060-1	Benzene	26	26	0 (≤30)	-	-
	Chlorobenzene	3.2	3.2	0 (≤30)	-	-
	Chloroform	0.37	0.41	10 (≤30)	-	-

SDG	Compound	Concentration (ug/L)		RPD (Limits)	Flag	A or P
		PC-178-20171011	PC-178-20171011-FD			
440-194107-1	Chloroform	0.60	0.55	9 (≤30)	-	-

SDG	Compound	Concentration (ug/L)		RPD (Limits)	Flag	A or P
		PC-155A-20171019	PC-155A-20171019-FD			
440-194664-1	Styrene	1.1	0.61	57 (≤30)	J (all detects)	A

SDG	Compound	Concentration (ug/L)		RPD (Limits)	Flag	A or P
		PC-182-20171024	PC-182-20171024-FD			
440-194896-1	Benzene	0.25	0.50U	200 (≤30)	NQ	-
	Chlorobenzene	5.1	4.7	8 (≤30)	-	-
	Chloroform	1.2	1.2	0 (≤30)	-	-
	1,4-Dichlorobenzene	0.30	0.27	11 (≤30)	-	-

SDG	Compound	Concentration (ug/L)		RPD (Limits)	Flag	A or P
		PC-187-20171024	PC-187-20171024-FD			
440-194903-1	Bromodichloromethane	1.7	1.9	11 (≤30)	-	-
	Bromoform	5.8	5.7	2 (≤30)	-	-
	Carbon tetrachloride	9.9	9.8	1 (≤30)	-	-
	Dibromochloromethane	1.3	1.3	0 (≤30)	-	-
	Trichloroethene	0.62	0.54	14 (≤30)	-	-

SDG	Compound	Concentration (ug/L)		RPD (Limits)	Flag	A or P
		PC-72-20171026	PC-72-20171026-FD			
440-195109-1	Carbon tetrachloride	0.98	0.92	6 (≤30)	-	-

SDG	Compound	Concentration (ug/L)		RPD (Limits)	Flag	A or P
		PC-72-20171026	PC-72-20171026-FD			
		Chloroform	31			
Tetrachloroethene	0.74	0.72	3 (≤30)	-	-	
Trichloroethene	0.48	0.50	4 (≤30)	-	-	

SDG	Compound	Concentration (ug/L)		RPD (Limits)	Flag	A or P
		PC-162-20171031	PC-162-20171031-FD			
		440-195367-1	Chlorobenzene			
	1,2-Dichlorobenzene	9.7	10	3 (≤30)	-	-
440-195367-1	1,3-Dichlorobenzene	1.9	2.0	5 (≤30)	-	-
	1,4-Dichlorobenzene	12	12	0 (≤30)	-	-
	1,1-Dichloroethane	1.9	1.8	5 (≤30)	-	-
	1,2,3-Trichlorobenzene	0.96	1.3	30 (≤30)	-	-
	1,2,4-Trichlorobenzene	6.9	7.2	4 (≤30)	-	-
	Trichloroethene	2.6	2.5	4 (≤30)	-	-

SDG	Compound	Concentration (ug/L)		RPD (Limits)	Flag	A or P
		PC-161-20171031	PC-161-20171031-FD			
		440-195367-1	Chloroform			
	1,2-Dichlorobenzene	3.4	3.5	3 (≤30)	-	-
	1,3-Dichlorobenzene	0.29	0.25	15 (≤30)	-	-
	1,4-Dichlorobenzene	5.1	5.1	0 (≤30)	-	-
	1,1-Dichloroethane	0.95	0.96	1 (≤30)	-	-

SDG	Compound	Concentration (ug/L)		RPD (Limits)	Flag	A or P
		PC-161-20171031	PC-161-20171031-FD			
	1,2,3-Trichlorobenzene	0.61	0.63	3 (≤30)	-	-
	1,2,4-Trichlorobenzene	3.7	3.9	5 (≤30)	-	-

SDG	Compound	Concentration (ug/L)		RPD (Limits)	Flag	A or P
		PC-165-20171101	PC-165-20171101-FD			
440-195435-1	1,2-Dichlorobenzene	1.5	1.4	7 (≤30)	-	-
	1,4-Dichlorobenzene	2.0	1.9	5 (≤30)	-	-
	1,1-Dichloroethane	0.57	0.59	3 (≤30)	-	-
	1,2,3-Trichlorobenzene	0.51	0.41	22 (≤30)	-	-
440-195435-1	1,2,4-Trichlorobenzene	2.0	1.8	11 (≤30)	-	-

SDG	Compound	Concentration (ug/L)		RPD (Limits)	Flag	A or P
		M-239-20171101	M-239-20171101-FD			
440-195436-1	Chloroform	28	28	0 (≤30)	-	-
	Trichloroethene	1.9	1.9	0 (≤30)	-	-

SDG	Compound	Concentration (ug/L)		RPD (Limits)	Flag	A or P
		PC-186-20171103	PC-186-20171103-FD			
440-195693-1	Chloroform	1.8	1.8	0 (≤30)	-	-
	1,2-Dichlorobenzene	1.5	1.5	0 (≤30)	-	-
	1,3-Dichlorobenzene	2.8	2.6	7 (≤30)	-	-
	1,4-Dichlorobenzene	0.95	0.92	3 (≤30)	-	-
	Tetrachloroethene	0.69	0.65	6 (≤30)	-	-

SDG	Compound	Concentration (ug/L)		RPD (Limits)	Flag	A or P
		PC-186-20171103	PC-186-20171103-FD			
	Trichloroethene	0.27	0.50U	200 (≤30)	NQ	-

SDG	Compound	Concentration (ug/L)		RPD (Limits)	Flag	A or P
		M-234-20171106	M-234-20171106-FD			
440-195797-1	Carbon tetrachloride	56	56	0 (≤30)	-	-
	Chloroform	2000	2000	0 (≤30)	-	-

SDG	Compound	Concentration (ug/L)		RPD (Limits)	Flag	A or P
		M-209-20171106	M-209-20171106-FD			
440-195798-1	Bromodichloromethane	0.43	0.43	0 (≤30)	-	-
440-195798-1	Carbon tetrachloride	4.2	4.2	0 (≤30)	-	-
	Chloroform	400	400	0 (≤30)	-	-

SDG	Compound	Concentration (ug/L)		RPD (Limits)	Flag	A or P
		M-231-20171107	M-231-20171107-FD			
440-195907-1	Chloroform	0.78	0.76	3 (≤30)	-	-

SDG	Compound	Concentration (ug/L)		RPD (Limits)	Flag	A or P
		M-230-20171107	M-230-20171107-FD			
440-195907-1	Carbon tetrachloride	0.30	0.33	10 (≤30)	-	-
	Chloroform	230	220	4 (≤30)	-	-
	Methylene chloride	1.4	1.3	7 (≤30)	-	-

SDG	Compound	Concentration (ug/L)		RPD (Limits)	Flag	A or P
		M-174-20171108	M-174-20171108-FD			
440-196072-1	Tetrachloroethene	1.1	1.2	9 (≤30)	-	-
	Chloroform	680	660	3 (≤30)	-	-

SDG	Compound	Concentration (ug/L)		RPD (Limits)	Flag	A or P
		M-60-20171108	M-60-20171108-FD			
440-196074-1	Bromoform	2.0	2.5U	200 (≤30)	NQ	-
	1,3-Dichlorobenzene	0.79	0.86	8 (≤30)	-	-
	1,4-Dichlorobenzene	1.3U	0.67	200 (≤30)	NQ	-
	Trichloroethene	2.2	2.4	9 (≤30)	-	-
440-196074-1	Chloroform	1200	1300	8 (≤30)	-	-

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

## XI. Internal Standards

All internal standard areas and retention times were within QC limits with the following exceptions:

SDG	Sample	Internal Standards	Area (Limits)	Affected Compound	Flag	A or P
440-189140-1	RI-14-110.0-20170727	1,4-Dichlorobenzene-d4	94295 (164127-656506)	1,1,2,2-Tetrachloroethane 1,2-Dibromo-3-chloropropane Bromobenzene 1,2,3-Trichloropropane n-Propylbenzene 2-Chlorotoluene 1,3,5-Trimethylbenzene 4-Chlorotoluene tert-Butylbenzene 1,2,4-Trimethylbenzene sec-Butylbenzene 1,3-Dichlorobenzene p-Isopropyltoluene 1,4-Dichlorobenzene n-Butylbenzene 1,2-Dichlorobenzene 1,2,4-Trichlorobenzene Hexachlorobutadiene Naphthalene 1,2,3-Trichlorobenzene	UJ (all non-detects) UJ (all non-detects) UJ (all non-detects) UJ (all non-detects) UJ (all non-detects) UJ (all non-detects) UJ (all non-detects) UJ (all non-detects) UJ (all non-detects) UJ (all non-detects) UJ (all non-detects) UJ (all non-detects) UJ (all non-detects) UJ (all non-detects) UJ (all non-detects) UJ (all non-detects) UJ (all non-detects) UJ (all non-detects) UJ (all non-detects) UJ (all non-detects)	A
440-189261-1	PCDB-7-50.0-20170729	1,4-Dichlorobenzene-d4	171684 (195497-781986)	1,1,2,2-Tetrachloroethane 1,2-Dibromo-3-chloropropane Bromobenzene 1,2,3-Trichloropropane n-Propylbenzene 2-Chlorotoluene 1,3,5-Trimethylbenzene 4-Chlorotoluene tert-Butylbenzene 1,2,4-Trimethylbenzene sec-Butylbenzene 1,3-Dichlorobenzene p-Isopropyltoluene 1,4-Dichlorobenzene n-Butylbenzene 1,2-Dichlorobenzene 1,2,4-Trichlorobenzene Hexachlorobutadiene Naphthalene 1,2,3-Trichlorobenzene	UJ (all non-detects) UJ (all non-detects)	A

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

## XII. Compound Quantitation

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

## XIII. Target Compound Identifications

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



#### **XIV. System Performance**

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

#### **XV. Overall Assessment of Data**

The analysis was conducted within all specifications of the method.

Due to cooler temperature and MS/MSD %R, data were rejected in four samples.

Due to headspace, cooler temperature, ICV %D, continuing calibration %D, MS/MSD %R and RPD, field duplicates and internal standards area, data were qualified as estimated in one hundred samples.

Due to trip blank contamination, data were qualified as not detected in seven samples.

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

**NERT, Soil and Groundwater RI Sampling Phase 2, July through November 2017  
Volatiles - Data Qualification Summary - SDGs 440-188296-1, 440-188490-1, 440-188535-1, 440-188881-1, 440-188942-1, 440-189060-1, 440-189140-1, 440-189223-1, 440-189260-1, 440-189261-1, 440-189289-1, 440-190153-1, 440-190181-1, 440-190277-1, 440-190318-1, 440-190675-1, 440-190751-1, 440-190848-1, 440-190949-1, 440-191076-1, 440-191494-1, 440-191584-1, 440-191691-1, 440-191775-1, 440-191800-1, 440-191907-1, 440-191979-1, 440-192009-1, 440-192106-1, 440-192114-1, 440-192217-1, 440-192253-1, 440-192338-1, 440-192570-1, 440-192628-1, 440-192897-1, 440-192969-1, 440-193060-1, 440-193158-1, 440-193226-1, 440-193870-1, 440-193988-1, 440-194107-1, 440-194194-1, 440-194282-1, 440-194381-1, 440-194461-1, 440-194462-1, 440-194463-1, 440-194465-1, 440-194566-1, 440-194658-1, 440-194661-1, 440-194664-1, 440-194736-1, 440-194738-1, 440-194771-1, 440-194824-1, 440-194896-1, 440-194903-1, 440-194986-1, 440-194992-1, 440-195109-1, 440-195111-1, 440-195199-1, 440-195219-1, 440-195285-1, 440-195286-1, 440-195366-1, 440-195367-1, 440-195435-1, 440-195436-1, 440-195578-1, 440-195580-1, 440-195691-1, 440-195693-1, 440-195797-1, 440-195798-1, 440-195898-1, 440-195907-1, 440-195936-1, 440-196072-1, 440-196074-1**

SDG	Sample	Compound	Flag	A or P	Reason (Code)
440-188490-1	M-195-100.0-20170717-EB*	All compounds	UJ (all non-detects)	A	Sample condition (headspace) (vh)
440-189140-1	RI-14-90.0-20170727-EBTB*	All compounds	UJ (all non-detects)	A	Sample condition (headspace) (vh)
440-194194-1	M-198-20171012	Trichloroethene	J- (all detects)	A	Sample condition (headspace) (vh)
440-194465-1	M-195-20171017	All compounds	UJ (all non-detects)	A	Sample condition (headspace) (vh)
440-194566-1	M-36D-20171018-TB	All compounds	UJ (all non-detects)	A	Sample condition (headspace) (vh)
440-194824-1	M-81D-20171023-TB	All compounds	UJ (all non-detects)	A	Sample condition (headspace) (vh)
440-194896-1	PC-182-20171024-TB	All compounds	UJ (all non-detects)	A	Sample condition (headspace) (vh)
440-194903-1	PC-183-20171024-TB PC-184-20171024	All compounds	J- (all detects) UJ (all non-detects)	A	Sample condition (headspace) (vh)
440-195111-1	H-56A-20171026-TB	All compounds	UJ (all non-detects)	A	Sample condition (headspace) (vh)

SDG	Sample	Compound	Flag	A or P	Reason (Code)
440-195285-1	PC-166-20171030-TB	All compounds	UJ (all non-detects)	A	Sample condition (headspace) (vh)
440-195366-1	M-196-20171031-TB	All compounds	UJ (all non-detects)	A	Sample condition (headspace) (vh)
440-195436-1	M-239-20171101-TB	All compounds	UJ (all non-detects)	A	Sample condition (headspace) (vh)
440-189223-1	RI-15-5.0-20170728** RI-15-10.0-20170728** RI-15-20.0-20170728**	All compounds	J- (all detects) R (all non-detects)	A	Cooler temperature (st)
440-189289-1	RI-15-105.0-20170731-TB** RI-15-105.0-20170731** RI-15-110.0-20170731** RI-15-110.0-20170731-FD** RI-15-115.0-20170731** RI-15-120.0-20170731** RI-15-125.0-20170731** RI-15-130.0-20170731** RI-15-140.0-20170731** RI-15-145.0-20170731** RI-15-150.0-20170731**	Dichlorodifluoromethane Chloromethane Vinyl chloride	UJ (all non-detects) UJ (all non-detects) UJ (all non-detects)	A	Initial calibration verification (%D) (c)
440-190153-1	PCDB-11-5.0-20170811-TB PCDB-11-5.0-20170811 PCDB-11-10.0-20170811 PCDB-11-10.0-20170811-FD PCDB-11-20.0-20170811 PCDB-11-30.0-20170811 PCDB-11-40.0-20170811 PCDB-11-40.0-20170811-FD PCDB-11-50.0-20170811	Dichlorodifluoromethane Chloromethane Vinyl chloride	UJ (all non-detects) UJ (all non-detects) UJ (all non-detects)	A	Initial calibration verification (%D) (c)
440-190181-1	PCDB-10-70.0-20170813-FD PCDB-13-50.0-20170813 PCDB-13-60.0-20170813 PCDB-13-70.0-20170813	Dichlorodifluoromethane Chloromethane Vinyl chloride	UJ (all non-detects) UJ (all non-detects) UJ (all non-detects)	A	Initial calibration verification (%D) (c)
440-190318-1	PCDB-5-20.0-20170815-FD PCDB-5-30.0-20170815 PCDB-5-40.0-20170815 PCDB-5-50.0-20170815 PCDB-5-60.0-20170815 PCDB-5-70.0-20170815 PCDB-5-60.0-20170815-FD PCDB-5-80.0-20170815 PCDB-5-90.0-20170815 PCDB-12-70.0-20170814-TB PCDB-12-70.0-20170814	Dichlorodifluoromethane Chloromethane Vinyl chloride	UJ (all non-detects) UJ (all non-detects) UJ (all non-detects)	A	Initial calibration verification (%D) (c)
440-191076-1	PCDB-14-5.0-20170826-TB PCDB-14-60.0-20170826 PCDB-14-80.0-20170826 PCDB-14-80.0-20170826-FD	Dichlorodifluoromethane Chloromethane Vinyl chloride	UJ (all non-detects) UJ (all non-detects) UJ (all non-detects)	A	Initial calibration verification (%D) (c)

SDG	Sample	Compound	Flag	A or P	Reason (Code)
440-189260-1	RI-15-30.0-20170730 RI-15-40.0-20170730 RI-15-80.0-20170730 RI-15-90.0-20170730 RI-15-90.0-20170730-FD RI-15-95.0-20170730 RI-15-100.0-20170730	2-Butanone	UJ (all non-detects)	A	Continuing calibration (%D) (c)
440-189261-1	PCDB-7-30.0-20170729 PCDB-7-50.0-20170729 PCDB-7-90.0-20170729 PCDB-4-50.0-20170730 PCDB-4-80.0-20170730	2-Butanone	UJ (all non-detects)	A	Continuing calibration (%D) (c)
440-189289-1	RI-15-105.0-20170731-TB** RI-15-105.0-20170731** RI-15-110.0-20170731** RI-15-110.0-20170731-FD** RI-15-115.0-20170731** RI-15-120.0-20170731** RI-15-125.0-20170731**	Acetone 2-Butanone 2-Hexanone	UJ (all non-detects) UJ (all non-detects) UJ (all non-detects)	A	Continuing calibration (%D) (c)
440-189289-1	RI-15-130.0-20170731** RI-15-140.0-20170731** RI-15-145.0-20170731** RI-15-150.0-20170731** RI-15-135.0-20170731**	2-Butanone	UJ (all non-detects)	A	Continuing calibration (%D) (c)
440-190153-1	PCDB-11-5.0-20170811-TB PCDB-11-5.0-20170811 PCDB-11-10.0-20170811 PCDB-11-10.0-20170811-FD PCDB-11-20.0-20170811 PCDB-11-30.0-20170811 PCDB-11-40.0-20170811 PCDB-11-40.0-20170811-FD PCDB-11-50.0-20170811	Dichlorodifluoromethane Acetone Methylene chloride	UJ (all non-detects) UJ (all non-detects) UJ (all non-detects)	A	Continuing calibration (%D) (c)
440-190181-1	PCDB-10-70.0-20170813-FD	Dichlorodifluoromethane Chloromethane Methylene chloride	J- (all detects) UJ (all non-detects)	A	Continuing calibration (%D) (c)
440-190277-1	PCDB-13-80.0-20170814-TB PCDB-13-90.0-20170814 PCDB-12-20.0-20170814 PCDB-12-30.0-20170814 PCDB-12-50.0-20170814 PCDB-12-60.0-20170814 PCDB-12-60.0-20170814-FD	Acetone	UJ (all non-detects)	A	Continuing calibration (%D) (c)

SDG	Sample	Compound	Flag	A or P	Reason (Code)
440-190318-1	PCDB-5-20.0-20170815-FD PCDB-5-30.0-20170815 PCDB-5-40.0-20170815 PCDB-5-50.0-20170815 PCDB-5-60.0-20170815 PCDB-5-70.0-20170815 PCDB-5-60.0-20170815-FD PCDB-5-80.0-20170815 PCDB-5-90.0-20170815 PCDB-12-70.0-20170814-TB PCDB-12-70.0-20170814	2-Butanone	UJ (all non-detects)	A	Continuing calibration (%D) (c)
440-190318-1	PCDB-5-5.0-20170815 PCDB-5-10.0-20170815 PCDB-5-20.0-20170815 PCDB-12-90.0-20170814-FD	Acetone	UJ (all non-detects)	A	Continuing calibration (%D) (c)
440-191076-1	PCDB-14-60.0-20170826 PCDB-14-80.0-20170826 PCDB-14-80.0-20170826-FD PCDB-14-5.0-20170826-TB	2-Butanone	UJ (all non-detects)	A	Continuing calibration (%D) (c)
440-191076-1	PCDB-14-5.0-20170826-TB	Acetone	UJ (all non-detects)	A	Continuing calibration (%D) (c)
440-192570-1	PCDB-9-20.0-20170919-TB** PCDB-9-20.0-20170919** PCDB-9-30.0-20170919** PCDB-9-30.0-20170919-FD** PCDB-9-40.0-20170919** PCDB-9-50.0-20170919** PCDB-9-60.0-20170919** PCDB-9-70.0-20170919** PCDB-9-80.0-20170919** PCDB-9-80.0-20170919-FD** PCDB-9-90.0-20170919**	2-Butanone	UJ (all non-detects)	A	Continuing calibration (%D) (c)
440-190153-1	PCDB-11-20.0-20170811	Hexachlorobutadiene	UJ (all non-detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-190181-1	PCDB-10-80.0-20170813	Benzene Chlorobenzene Chloroform	J- (all detects) J- (all detects) J- (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-190751-1	H-56A-20170822*	Styrene	R (all non-detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-190848-1	MC-MW-37-20170823*	Styrene	UJ (all non-detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-192628-1	PCDB-8-30.0-20170920	Chloroform	J- (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)





192628-1, 440-192897-1, 440-192969-1, 440-193060-1, 440-193158-1, 440-193226-1, 440-193870-1, 440-193988-1, 440-194107-1, 440-194194-1, 440-194282-1, 440-194381-1, 440-194461-1, 440-194462-1, 440-194463-1, 440-194465-1, 440-194566-1, 440-194658-1, 440-194661-1, 440-194664-1, 440-194736-1, 440-194738-1, 440-194771-1, 440-194824-1, 440-194896-1, 440-194903-1, 440-194986-1, 440-194992-1, 440-195109-1, 440-195111-1, 440-195199-1, 440-195219-1, 440-195285-1, 440-195286-1, 440-195366-1, 440-195367-1, 440-195435-1, 440-195436-1, 440-195578-1, 440-195580-1, 440-195691-1, 440-195693-1, 440-195797-1, 440-195798-1, 440-195898-1, 440-195907-1, 440-195936-1, 440-196072-1, 440-196074-1

SDG	Sample	Compound	Modified Final Concentration	A or P	Code
440-190277-1	PCDB-12-10.0-20170814-EB*	Methylene chloride	1.1J ug/L	A	bt
440-191584-1	M-234-20170906-FB*	Methylene chloride	1.6J ug/L	A	bt
440-191584-1	M-236-20170906*	Methylene chloride	1.7J ug/L	A	bt
440-191584-1	M-236-20170906-FD*	Methylene chloride	1.6J ug/L	A	bt
440-193988-1	PC-191-20171010	Methylene chloride	1.6J ug/L	A	bt
440-193988-1	PC-195-20171010	Methylene chloride	1.8J ug/L	A	bt
440-193988-1	PC-196-20171010	Methylene chloride	1.6J ug/L	A	bt



**ATTACHMENT B**  
**1,2,3-Trichloropropane and 1,4-Dioxane DVR**

## 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
440-188490-1	M-195-100.0-20170717-EB	All compounds	A headspace of >6 mm was apparent in the sample containers.	There should be no headspace in the sample containers.	UJ (all non-detects)	A
440-189140-1	RI-14-90.0-20170727-EBTB	All compounds	A headspace of >6 mm was apparent in the sample containers.	There should be no headspace in the sample containers.	UJ (all non-detects)	A
440-189289-1	RI-15-110.0-20170731-EBTB	All compounds	A headspace of >6 mm was apparent in the sample containers.	There should be no headspace in the sample containers.	UJ (all non-detects)	A
440-194566-1	M-36D-20171018-TB	All compounds	A headspace was apparent in the sample containers.	There should be no headspace in the sample containers.	UJ (all non-detects)	A
440-194896-1	PC-182-20171024-TB	All compounds	A headspace was apparent in the sample containers.	There should be no headspace in the sample containers.	UJ (all non-detects)	A
440-194903-1	PC-183-20171024-TB PC-184-20171024	All compounds	A headspace was apparent in the sample containers.	There should be no headspace in the sample containers.	J- (all detects) UJ (all non-detects)	A
440-195111-1	H-56A-20171026-TB	All compounds	A headspace was apparent in the sample containers.	There should be no headspace in the sample containers.	UJ (all non-detects)	A
440-195285-1	PC-166-20171030-TB	All compounds	A headspace was apparent in the sample containers.	There should be no headspace in the sample containers.	UJ (all non-detects)	A
440-195366-1	M-196-20171031-TB	All compounds	A headspace was apparent in the sample containers.	There should be no headspace in the sample containers.	UJ (all non-detects)	A
440-195436-1	M-239-20171101-TB	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 M-195-100.0-20170717-EBTB (from SDG 440-188490-1), M-195-130.0-20170718-EBTB (from SDG 440-188535-1), RI-6-120.0-20170725-EBTB (from SDG 440-188942-1), RI-14-50.0-20170726-EBTB (from SDG 440-189060-1), RI-14-90.0-20170727-EBTB (from SDG 440-189140-1), RI-15-100.0-20170730-EBTB (from SDG 440-189260-1), RI-15-110.0-20170731-EBTB (from SDG 440-189289-1), PCDB-12-10.0-20170814-EBTB (from SDG 440-190277-1), PCDB-5-50.0-20170815-EBTB (from SDG 440-190318-1), PC-40-20170821-TB (from SDG 440-190675-1), H-56A-20170822-TB (from SDG 440-190751-1), MC-61-20170823-TB (from SDG 440-190848-1), MC-MW-38-20170824-TB (from SDG 440-190949-1), M-237-20170905-TB (from SDG 440-191494-1), M-234-20170906-TB (from SDG 440-191584-1), M-206-20170907-TB (from SDG 440-191691-1), M-242-20170908-TB (from SDG 440-191775-1), M-246-20170908-TB (from SDG 440-191800-1), M-229-20170911-TB (from SDG 440-191907-1), PC-180-20170912-TB (from SDG 440-191979-1), PC-184-20170912-TB (from SDG 440-192009-1), M-230-20170913-TB (from SDG 440-192106-1), PC-193-20170913-TB (from SDG 440-192114-1), M-235-20170914-TB (from SDG 440-192217-1), PC-166-20170914-TB (from SDG 440-192253-1), PC-171-20170915-TB (from SDG 440-192338-1), PCDB-8-50.0-20170920-EBTB (from SDG 440-192628-1), PC-177-20170925-TB (from SDG 440-192897-1), M-204-20170926-TB (from SDG 440-192969-1), PC-194-20170927-TB (from SDG 440-193060-1), M-135-20170928-TB (from SDG 440-193158-1), PC-165-20170929-TB (from SDG 440-193226-1), PC-189-20171009-TB (from SDG 440-193870-1), PC-191-20171010-TB (from SDG 440-193988-1), PC-197-20171011-TB (from SDG 440-194107-1), M-196-20171012-TB (from SDG 440-194194-1), M-83D-20171013-TB (from SDG 440-194282-1), M-239-20171016-TB (from SDG 440-194381-1), M-22D-20171017-TB (from SDG 440-194463-1), M-214-20171017-TB (from SDG 440-194465-1), M-36D-20171018-TB (from SDG 440-194566-1), M-228-20171019-TB (from SDG 440-194658-1), PC-155A-20171019-TB (from SDG 440-194664-1), PC-157B-20171020-TB (from SDG 440-194736-1), M-202-20171020-TB (from SDG 440-194738-1), M-203-20171020-TB (from SDG 440-194771-1), M-81D-20171023-TB (from SDG 440-194824-1), PC-182-20171024-TB (from SDG 440-194896-1), PC-183-20171024-TB (from SDG 440-194903-1), MC-65R-

20171025-TB (from SDG 440-194986-1), MC-MW-37R-20171025-TB (from SDG 440-194992-1), MC-MW-36-20171026-TB (from SDG 440-195109-1), H-56A-20171026-TB (from SDG 440-195111-1), M-44-20171027-TB (from SDG 440-195199-1), PC-166-20171030-TB (from SDG 440-195285-1), M-196-20171031-TB (from SDG 440-195366-1), M-239-20171101-TB (from SDG 440-195436-1), M-83D-20171102-TB (from SDG 440-195580-1), M-149-20171103-TB (from SDG 440-195691-1), M-208-20171106-TB (from SDG 440-195798-1), M-231-20171107-TB (from SDG 440-195907-1), and M-173-20171108-TB (from SDG 440-196074-1) were identified as trip blanks. No contaminants were found.

Samples M-195-100.0-20170717-EB (from SDG 440-188490-1), M-195-130.0-20170718-EB (from SDG 440-188535-1), RI-6-120.0-20170725-EB, RI-6-130.0-20170725-EB (both from SDG 440-188942-1), RI-14-50.0-20170726-EB (from SDG 440-189060-1), RI-14-90.0-20170727-EB, RI-14-100.0-20170727-EB (both from SDG 440-189140-1), RI-15-100.0-20170730-EB (from SDG 440-189260-1), RI-15-110.0-20170731-EB (from SDG 440-189289-1), PCDB-12-10.0-20170814-EB, PCDB-12-50.0-20170814-EB (both from SDG 440-190277-1), PCDB-5-50.0-20170815-EB, PCDB-5-70.0-20170815-EB (both from SDG 440-190318-1), PC-71-20170824-EB (from SDG 440-190949-1), M-205-20170906-EB (from SDG 440-191584-1), PC-162-20170913-EB (from SDG 440-192106-1), PCDB-8-50.0-20170920-EB (from SDG 440-192628-1), M-214-20171017-EB (from SDG 440-194465-1), PC-187-20171024-EB (from SDG 440-194903-1), PC-37-20171025-EB (from SDG 440-194992-1), PC-191-20171101-EB (from SDG 440-195435-1), M-214-20171103-EB (from SDG 440-195691-1), M-205-20171103-EB (from SDG 440-195693-1), M-225-20171107-EB (from SDG 440-195898-1), M-229-20171107-EB (from SDG 440-195907-1), and M-175-20171108-EB (from SDG 440-196072-1) were identified as equipment blanks. No contaminants were found.

Samples PC-37-20170824-FB (from SDG 440-190949-1), M-234-20170906-FB (from SDG 440-191584-1), PC-184-20170912-FB (from SDG 440-192009-1), PC-165-20170929-FB (from SDG 440-193226-1), M-233-20171016-FB (from SDG 440-194381-1), PC-170-20171024-FB (from SDG 440-194896-1), PC-187-20171024-FB (from SDG 440-194903-1), M-186D-20171103-FB (from SDG 440-195691-1), M-236-20171107-FB (from SDG 440-195898-1), M-229-20171107-FB, M-223-20171107-FB (both from SDG 440-195907-1), and M-58-20171108-FB (from SDG 440-196074-1) were identified as field blanks. No contaminants were found with the following exceptions:

SDG	Blank ID	Collection Date	Compound	Concentration	Associated Samples
440-195898-1	M-236-20171107-FB	11/07/17	1,4-Dioxane	0.75 ug/L	M-236-20171107

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

## VII. Surrogates

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

SDG	Sample	Surrogate	%R (Limits)	Affected Compound	Flag	A or P
440-191775-1	M-243-20170908	Dibromofluoromethane	74 (80-120)	All compounds	UJ (all non-detects)	A
440-191775-1	M-243-20170908-FD	Dibromofluoromethane	69 (80-120)	All compounds	J- (all detects) UJ (all non-detects)	A
440-194738-1	M-125D-20171020	Dibromofluoromethane	55 (80-120)	All compounds	J- (all detects)	A
440-195199-1	M-243-20171027	Dibromofluoromethane	70 (80-120)	All compounds	UJ (all non-detects)	A

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

## 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 H-49A-20170822 and H-49A-20170822-FD (both from SDG 440-190751-1), samples PC-72-20170824 and PC-72-20170824-FD (both from SDG 440-190949-1), samples M-236-20170906 and M-236-20170906-FD (both from SDG 440-191584-1), samples M-243-20170908 and M-243-20170908-FD (both from SDG 440-191775-1), samples PC-173-20170911 and PC-173-20170911-FD (both from SDG 440-191907-1), samples PC-194-20170927 and PC-194-20170927-FD (both from SDG 440-193060-1), samples PC-178-20171011 and PC-178-20171011-FD (both from SDG 440-194107-1), samples PC-155A-20171019 and PC-155A-20171019-FD (both from SDG 440-194664-1), samples PC-182-20171024 and PC-182-20171024-FD (from SDG 440-194896-1), samples PC-187-20171024 and PC-187-20171024-FD (both from SDG 440-194903-1), samples PC-72-20171026 and PC-72-20171026-FD (both from SDG 440-195109-1), samples PC-162-20171031 and PC-162-20171031-FD (both from SDG 440-195367-1), samples PC-161-20171031 and PC-161-20171031-FD (both from SDG 440-195367-1), sample PC-165-20171101 and PC-165-20171101-FD (both from SDG 440-195435-1), samples M-239-20171101 and M-239-20171101-FD (both from SDG 440-195436-1), samples PC-186-20171103 and PC-186-20171103-FD (both from SDG 440-195693-1), samples M-234-20171106 and M-234-20171106-FD (both from SDG 440-195797-1),

samples M-209-20171106 and M-209-20171106-FD (both from SDG 440-195798-1), samples M-231-20171107 and M-231-20171107-FD (both from SDG 440-195907-1), samples M-230-20171107 and M-230-20171107-FD (both from SDG 440-195907-1), samples M-174-20171108 and M-174-20171108-FD (both from SDG 440-196072-1), and samples M-60-20171108 and M-60-20171108-FD (both from SDG 440-196074-1) 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
		H-49A-20170822	H-49A-20170822-FD			
440-190751-1	1,4-Dioxane	3.4	3.3	3 (≤30)	-	-
	1,2,3-Trichloropropane	0.0031	0.0043	32 (≤30)	NQ	-

SDG	Compound	Concentration (ug/L)		RPD (Limits)	Flag	A or P
		PC-72-20170824	PC-72-20170824-FD			
440-190949-1	1,4-Dioxane	1.2	1.6	29 (≤30)	-	-
	1,2,3-Trichloropropane	0.33	0.33	0 (≤30)	-	-

SDG	Compound	Concentration (ug/L)		RPD (Limits)	Flag	A or P
		M-236-20170906	M-236-20170906-FD			
440-191584-1	1,2,3-Trichloropropane	0.32	0.33	3 (≤30)	-	-

SDG	Compound	Concentration (ug/L)		RPD (Limits)	Flag	A or P
		M-243-20170908	M-243-20170908-FD			
440-191775-1	1,4-Dioxane	2.0U	0.58	200 (≤30)	NQ	-

SDG	Compound	Concentration (pg/L)		RPD (Limits)	Flag	A or P
		PC-173-20170911	PC-173-20170911-FD			
440-191907-1	1,4-Dioxane	4.5	4.4	2 (≤30)	-	-
	1,2,3-Trichloropropane	0.018	0.018	0 (≤30)	-	-

SDG	Compound	Concentration (ug/L)		RPD (Limits)	Flag	A or P
		PC-187-20171024	PC-187-20171024-FD			
440-194903-1	1,4-Dioxane	0.59	0.66	11 (≤30)	-	-
	1,2,3-Trichloropropane	0.13	0.13	0 (≤30)	-	-

SDG	Compound	Concentration (ug/L)		RPD (Limits)	Flag	A or P
		PC-72-20171026	PC-72-20171026-FD			
440-195109-1	1,4-Dioxane	1.4	1.5	7 (≤30)	-	-
	1,2,3-Trichloropropane	0.33	0.34	3 (≤30)	-	-

SDG	Compound	Concentration (ug/L)		RPD (Limits)	Flag	A or P
		PC-162-20171031	PC-162-20171031-FD			
440-195367-1	1,4-Dioxane	1.5	1.4	7 (≤30)	-	-
	1,2,3-Trichloropropane	0.0041	0.0039	5 (≤30)	-	-

SDG	Compound	Concentration (ug/L)		RPD (Limits)	Flag	A or P
		PC-165-20171101	PC-165-20171101-FD			
440-195435-1	1,4-Dioxane	0.50	2.0U	200 (≤30)	NQ	-

SDG	Compound	Concentration (ug/L)		RPD (Limits)	Flag	A or P
		M-239-20171101	M-239-20171101-FD			
440-195436-1	1,4-Dioxane	0.77	0.89	14 (≤30)	-	-
	1,2,3-Trichloropropane	0.0038	0.0052	31 (≤30)	NQ	-

SDG	Compound	Concentration (ug/L)		RPD (Limits)	Flag	A or P
		PC-186-20171103	PC-186-20171103-FD			
440-195693-1	1,2,3-Trichloropropane	0.12	0.12	0 (≤30)	-	-

SDG	Compound	Concentration (ug/L)		RPD (Limits)	Flag	A or P
		M-234-20171106	M-234-20171106-FD			
440-195797-1	1,2,3-Trichloropropane	0.0035	0.0052	39 (≤30)	NQ	-

SDG	Compound	Concentration (ug/L)		RPD (Limits)	Flag	A or P
		M-209-20171106	M-209-20171106-FD			
440-195798-1	1,2,3-Trichloropropane	0.063	0.069	9 (≤30)	-	-

SDG	Compound	Concentration (ug/L)		RPD (Limits)	Flag	A or P
		M-230-20171107	M-230-20171107-FD			
440-195907-1	1,2,3-Trichloropropane	0.012	0.011	9 (≤30)	-	-

SDG	Compound	Concentration (ug/L)		RPD (Limits)	Flag	A or P
		M-174-20171108	M-174-20171108-FD			
440-196072-1	1,4-Dioxane	0.60	2.0U	200 (≤30)	NQ	-
	1,2,3-Trichloropropane	0.081	0.086	6 (≤30)	-	-

SDG	Compound	Concentration (ug/L)		RPD (Limits)	Flag	A or P
		M-60-20171108	M-60-20171108-FD			
440-196074-1	1,4-Dioxane	0.66	1.2	58 (≤30)	NQ	-
	1,2,3-Trichloropropane	0.13	0.13	0 (≤30)	-	-

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

## 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 and surrogate %R, data were qualified as estimated in fifteen samples.

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

**NERT, Groundwater RI Sampling Phase 2, July through November 2017**

**1,2,3-Trichloropropane & 1,4-Dioxane - Data Qualification Summary - SDGs 440-188490-1, 440-188535-1, 440-188942-1, 440-189060-1, 440-189140-1, 440-189260-1, 440-189289-1, 440-190277-1, 440-190318-1, 440-190675-1, 440-190751-1, 440-190848-1, 440-190949-1, 440-191494-1, 440-191584-1, 440-191691-1, 440-191775-1, 440-191800-1, 440-191907-1, 440-191979-1, 440-192009-1, 440-192009-1, 440-192106-1, 440-192114-1, 440-192217-1, 440-192253-1, 440-192338-1, 440-192628-1, 440-192897-1, 440-192969-1, 440-193060-1, 440-193158-1, 440-193226-1, 440-193870-1, 440-193988-1, 440-194107-1, 440-194194-1, 440-194282-1, 440-194381-1, 440-194461-1, 440-194462-1, 440-194463-1, 440-194465-1, 440-194566-1, 440-194658-1, 440-194661-1, 440-194664-1, 440-194736-1, 440-194738-1, 440-194771-1, 440-194824-1, 440-194896-1, 440-194903-1, 440-194986-1, 440-194992-1, 440-195109-1, 440-195111-1, 440-195199-1, 440-195219-1, 440-195285-1, 440-195286-1, 440-195366-1, 440-195367-1, 440-195435-1, 440-195436-1, 440-195578-1, 440-195580-1, 440-195691-1, 440-195693-1, 440-195797-1, 440-195798-1, 440-195898-1, 440-195907-1, 440-195936-1, 440-196072-1, 440-196074-1**

SDG	Sample	Compound	Flag	A or P	Reason (Code)
440-188490-1	M-195-100.0-20170717-EB	All compounds	UJ (all non-detects)	A	Sample condition (headspace) (vh)
440-189140-1	RI-14-90.0-20170727-EBTB	All compounds	UJ (all non-detects)	A	Sample condition (headspace) (vh)
440-189289-1	RI-15-110.0-20170731-EBTB	All compounds	UJ (all non-detects)	A	Sample condition (headspace) (vh)
440-194566-1	M-36D-20171018-TB	All compounds	UJ (all non-detects)	A	Sample condition (headspace) (vh)
440-194896-1	PC-182-20171024-TB	All compounds	UJ (all non-detects)	A	Sample condition (headspace) (vh)
440-194903-1	PC-183-20171024-TB PC-184-20171024	All compounds	J- (all detects) UJ (all non-detects)	A	Sample condition (headspace) (vh)
440-195111-1	H-56A-20171026-TB	All compounds	UJ (all non-detects)	A	Sample condition (headspace) (vh)
440-195285-1	PC-166-20171030-TB	All compounds	UJ (all non-detects)	A	Sample condition (headspace) (vh)
440-195366-1	M-196-20171031-TB	All compounds	UJ (all non-detects)	A	Sample condition (headspace) (vh)
440-195436-1	M-239-20171101-TB	All compounds	UJ (all non-detects)	A	Sample condition (headspace) (vh)
440-191775-1	M-243-20170908	All compounds	UJ (all non-detects)	A	Surrogates (%R) (s)

SDG	Sample	Compound	Flag	A or P	Reason (Code)
440-191775-1	M-243-20170908-FD	All compounds	J- (all detects) UJ (all non-detects)	A	Surrogates (%R) (s)
440-194738-1	M-125D-20171020	All compounds	J- (all detects)	A	Surrogates (%R) (s)
440-195199-1	M-243-20171027	All compounds	UJ (all non-detects)	A	Surrogates (%R) (s)

**NERT, Groundwater RI Sampling Phase 2, July through November 2017**

**1,2,3-Trichloropropane & 1,4-Dioxane - Laboratory Blank Data Qualification Summary - SDGs 440-188490-1, 440-188535-1, 440-188942-1, 440-189060-1, 440-189140-1, 440-189260-1, 440-189289-1, 440-190277-1, 440-190318-1, 440-190675-1, 440-190751-1, 440-190848-1, 440-190949-1, 440-191494-1, 440-191584-1, 440-191691-1, 440-191775-1, 440-191800-1, 440-191907-1, 440-191979-1, 440-192009-1, 440-192009-1, 440-192106-1, 440-192114-1, 440-192217-1, 440-192253-1, 440-192338-1, 440-192628-1, 440-192897-1, 440-192969-1, 440-193060-1, 440-193158-1, 440-193226-1, 440-193870-1, 440-193988-1, 440-194107-1, 440-194194-1, 440-194282-1, 440-194381-1, 440-194461-1, 440-194462-1, 440-194463-1, 440-194465-1, 440-194566-1, 440-194658-1, 440-194661-1, 440-194664-1, 440-194736-1, 440-194738-1, 440-194771-1, 440-194824-1, 440-194896-1, 440-194903-1, 440-194986-1, 440-194992-1, 440-195109-1, 440-195111-1, 440-195199-1, 440-195219-1, 440-195285-1, 440-195286-1, 440-195366-1, 440-195367-1, 440-195435-1, 440-195436-1, 440-195578-1, 440-195580-1, 440-195691-1, 440-195693-1, 440-195797-1, 440-195798-1, 440-195898-1, 440-195907-1, 440-195936-1, 440-196072-1, 440-196074-1**

No Sample Data Qualified in these SDGs

**NERT, Groundwater RI Sampling Phase 2, July through November 2017**

**1,2,3-Trichloropropane & 1,4-Dioxane - Field Blank Data Qualification Summary - SDGs 440-188490-1, 440-188535-1, 440-188942-1, 440-189060-1, 440-189140-1, 440-189260-1, 440-189289-1, 440-190277-1, 440-190318-1, 440-190675-1, 440-190751-1, 440-190848-1, 440-190949-1, 440-191494-1, 440-191584-1, 440-191691-1, 440-191775-1, 440-191800-1, 440-191907-1, 440-191979-1, 440-192009-1, 440-192009-1, 440-192106-1, 440-192114-1, 440-192217-1, 440-192253-1, 440-192338-1, 440-192628-1, 440-192897-1, 440-192969-1, 440-193060-1, 440-193158-1, 440-193226-1, 440-193870-1, 440-193988-1, 440-194107-1, 440-194194-1, 440-194282-1, 440-194381-1, 440-194461-1, 440-194462-1, 440-194463-1, 440-194465-1, 440-194566-1, 440-194658-1, 440-194661-1, 440-194664-1, 440-194736-1, 440-194738-1, 440-194771-1, 440-194824-1, 440-194896-1, 440-194903-1, 440-194986-1, 440-194992-1, 440-195109-1, 440-195111-1, 440-195199-1, 440-195219-1, 440-195285-1, 440-195286-1, 440-195366-1, 440-195367-1, 440-195435-1, 440-195436-1, 440-195578-1, 440-195580-1, 440-195691-1, 440-195693-1, 440-195797-1, 440-195798-1, 440-195898-1, 440-195907-1, 440-195936-1, 440-196072-1, 440-196074-1**

No Sample Data Qualified in these SDGs

**ATTACHMENT C**  
**SVOC DVR**

## Semivolatile Organic Compounds (SVOCs) by Environmental Protection Agency (EPA) SW 846 Method 8270C

### 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
440-189223-1	All samples in SDG 440-189223-1	All compounds	Cooler temperature was reported at 20.3°C upon receipt by the laboratory.	Cooler temperature must be 4±2°C.	UJ (all non-detects)	P

All technical holding time requirements were met.

### II. GC/MS Instrument Performance Check

A decafluorotriphenylphosphine (DFTPP) tune was performed at 12 hour intervals.

All ion abundance requirements were met.

### III. Initial Calibration and Initial Calibration Verification

An initial calibration was performed as required by the method.

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

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

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

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

SDG	Date	Compound	%D	Associated Samples	Flag	A or P
440-188881-1	06/30/17 (C0630a10.D)	Benzidine	26.2	All samples in SDG 440-188881-1	NA	-

#### IV. Continuing Calibration

Continuing calibration was performed at the required frequencies.

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

SDG	Date	Compound	%D	Associated Samples	Flag	A or P
440-189060-1	08/03/17 (CCVIS0803A.D)	Pyridine	24.2	All samples in SDG 440-189060-1	UJ (all non-detects)	A
440-189060-1	08/03/17 (D0803014.D)	Octachlorostyrene	29.3	All samples in SDG 440-189060-1	NA	-
440-189223-1	08/04/17 (CCVIS0804.D)	Pyridine	29.0	RI-15-10.0-20170728**	UJ (all non-detects)	A
440-189223-1	08/04/17 (D0804004.D)	Octachlorostyrene	35.5	RI-15-10.0-20170728**	NA	-
440-189223-1	08/06/17 (CCVIS0806A.D)	3-Nitroaniline	20.5	RI-15-5.0-20170728** RI-15-20.0-20170728**	UJ (all non-detects)	A
440-189223-1	08/06/17 (D0806004.D)	Octachlorostyrene	44.8	RI-15-5.0-20170728** RI-15-20.0-20170728**	NA	-
440-189260-1	08/04/17 (CCVIS0804.D)	Pyridine	29.0	RI-15-30.0-20170730	UJ (all non-detects)	A
440-189260-1	08/04/17 (D0804004.D)	Octachlorostyrene	35.5	RI-15-30.0-20170730	NA	-

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

#### V. Laboratory Blanks

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

#### VI. Field Blanks

No field blanks were identified in these SDGs.

## 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
440-189260-1	RI-15-30.0-20170730MS/MSD (RI-15-30.0-20170730)	Benzidine	0 (20-120)	0 (20-120)	R (all non-detects)	A
440-189260-1	RI-15-30.0-20170730MS/MSD (RI-15-30.0-20170730)	Di-n-octylphthalate 3&4-Methylphenol	- -	49 (50-135) 49 (50-120)	UJ (all non-detects) UJ (all non-detects)	A

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

SDG	Spike ID (Associated Samples)	Compound	RPD (Limits)	Flag	A or P
440-189260-1	RI-15-30.0-20170730MS/MSD (RI-15-30.0-20170730)	Acenaphthylene Anthracene Benzo(e)pyrene Benzyl alcohol 4-Bromophenyl-phenyl ether 2-Chloronaphthalene Dibenzo(a,h)anthracene 3,3'-Dichlorobenzidine Diethylphthalate Di-n-butylphthalate 2,4-Dinitrotoluene Fluoranthene Indeno(1,2,3-cd)pyrene 2-Methylphenol N-Nitrosodiphenylamine Pentachlorophenol 2,4,5-Trichlorophenol	23 (≤20) 26 (≤25) 28 (≤25) 70 (≤30) 26 (≤20) 24 (≤20) 33 (≤30) 27 (≤25) 27 (≤25) 28 (≤25) 27 (≤25) 26 (≤25) 34 (≤30) 27 (≤25) 28 (≤25) 31 (≤25) 21 (≤20)	NA	-

## IX. Laboratory Control Samples

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

## X. Field Duplicates

No field duplicates were identified in these SDGs.

## **XI. Internal Standards**

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

## **XII. Compound Quantitation**

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

## **XIII. Target Compound Identifications**

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

## **XIV. System Performance**

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

## **XV. Overall Assessment of Data**

The analysis was conducted within all specifications of the method.

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

Due to cooler temperature, continuing calibration %D, and MS/MSD %R, data were qualified as estimated in eight samples.

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



**NERT, Soil RI Sampling Phase 2, July through November 2017  
Semivolatiles - Data Qualification Summary - SDGs 440-188881-1, 440-189060-1,  
440-1989223-1, 440-189260-1**

SDG	Sample	Compound	Flag	A or P	Reason (Code)
440-189223-1	RI-15-5.0-20170728** RI-15-10.0-20170728** RI-15-20.0-20170728**	All compounds	UJ (all non-detects)	P	Cooler temperature (st)
440-189060-1	RI-14-5.0-20170726 RI-14-10.0-20170726 RI-14-20.0-20170726 RI-14-30.0-20170726	Pyridine	UJ (all non-detects)	A	Continuing calibration (%D) (c)
440-189223-1	RI-15-10.0-20170728**	Pyridine	UJ (all non-detects)	A	Continuing calibration (%D) (c)
440-189223-1	RI-15-5.0-20170728** RI-15-20.0-20170728**	3-Nitroaniline	UJ (all non-detects)	A	Continuing calibration (%D) (c)
440-189260-1	RI-15-30.0-20170730	Pyridine	UJ (all non-detects)	A	Continuing calibration (%D) (c)
440-189260-1	RI-15-30.0-20170730	Benzidine	R (all non-detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-189260-1	RI-15-30.0-20170730	Di-n-octylphthalate 3&4-Methylphenol	UJ (all non-detects) UJ (all non-detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)

**NERT, Soil RI Sampling Phase 2, July through November 2017  
Semivolatiles - Laboratory Blank Data Qualification Summary - SDGs 440-188881-  
1, 440-189060-1, 440-1989223-1, 440-189260-1**

No Sample Data Qualified in these SDGs

**NERT, Soil RI Sampling Phase 2, July through November 2017  
Semivolatiles - Field Blank Data Qualification Summary - SDGs 440-188881-1, 440-  
189060-1, 440-1989223-1, 440-189260-1**

No Sample Data Qualified in these SDGs

**ATTACHMENT D**  
**PAH DVR**

# Polynuclear Aromatic Hydrocarbons (PAHs) by Environmental Protection Agency (EPA) SW 846 Method 8270C 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
440-189223-1	All samples in SDG 440-189223-1	All compounds	Cooler temperature was reported at 20.3°C upon receipt by the laboratory.	Cooler temperature must be 4±2°C.	UJ (all non-detects)	P

All technical holding time requirements were met.

## II. GC/MS Instrument Performance Check

Instrument performance was not required by the method.

## III. Initial Calibration and Initial Calibration Verification

An initial calibration was performed as required by the method.

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

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

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

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

## IV. Continuing Calibration

Continuing calibration was performed at the required frequencies.

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

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

## **V. Laboratory Blanks**

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

## **VI. Field Blanks**

No field blanks were identified in these SDGs.

## **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. 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**

No field duplicates were identified in these SDGs.

## **XI. Internal Standards**

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

## **XII. Compound Quantitation**

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

## **XIII. Target Compound Identifications**

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

## **XIV. System Performance**

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

## **XV. Overall Assessment of Data**

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

Due to cooler temperature, data were qualified as estimated in three samples.

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

**NERT, Soil RI Sampling Phase 2, July through November 2017  
 Polynuclear Aromatic Hydrocarbons - Data Qualification Summary - SDGs 440-188881-1, 440-189060-1, 440-189223-1, 440-189260-1**

SDG	Sample	Compound	Flag	A or P	Reason (Code)
440-189223-1	RI-15-5.0-20170728** RI-15-10.0-20170728** RI-15-20.0-20170728**	All compounds	UJ (all non-detects)	P	Cooler temperature (st)

**NERT, Soil RI Sampling Phase 2, July through November 2017  
 Polynuclear Aromatic Hydrocarbons - Laboratory Blank Data Qualification Summary - SDGs 440-188881-1, 440-189060-1, 440-189223-1, 440-189260-1**

No Sample Data Qualified in these SDGs

**NERT, Soil RI Sampling Phase 2, July through November 2017  
 Polynuclear Aromatic Hydrocarbons - Field Blank Data Qualification Summary - SDGs 440-188881-1, 440-189060-1, 440-189223-1, 440-189260-1**

No Sample Data Qualified in these SDGs

**ATTACHMENT E**  
**Chlorinated Pesticides DVR**

# Chlorinated Pesticides by Environmental Protection Agency (EPA) SW 846 Method 8081A

## 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
440-189223-1	All samples in SDG 440-189223-1	All compounds	Cooler temperature was reported at 20.3°C upon receipt by the laboratory.	Cooler temperature must be 4±2°C.	UJ (all non-detects)	A

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

SDG	Sample	Compound	Total Days From Sample Collection Until Extraction	Required Holding Time (in Days) From Sample Collection Until Extraction	Flag	A or P
440-188881-1	RI-6-20.0-20170724 RI-6-30.0-20170724	All compounds	16	14	UJ (all non-detects)	A
440-189260-1	RI-15-30.0-20170730	All compounds	16	14	UJ (all non-detects)	P

## II. GC Instrument Performance Check

Instrument performance was checked at 12 hour intervals.

The individual 4,4'-DDT and Endrin breakdowns (%BD) were less than or equal to 15.0%.

## III. Initial Calibration and Initial Calibration Verification

An initial calibration was performed as required by the method.

For compounds where average calibration factors were utilized, percent relative standard deviations (%RSD) were less than or equal to 20.0%.

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

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



#### IV. Continuing Calibration

Continuing calibration was performed at required frequencies.

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

#### V. Laboratory Blanks

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

#### VI. Field Blanks

No field blanks were identified in these SDGs.

#### VII. Surrogates/Internal Standards

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
440-189060-1	RI-14-20.0-20170726	Decachlorobiphenyl	44 (45-120)	All compounds	UJ (all non-detects)	P
440-189223-1	RI-15-10.0-20170728**	Decachlorobiphenyl	42 (45-1200)	All compounds	UJ (all non-detects)	P

All internal standard areas and retention times 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
440-189260-1	RI-15-30.0-20170730MS/MSD (RI-15-30.0-20170730)	alpha-Chlordane	49 (50-115)	-	UJ (all non-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**

No field duplicates were identified in these SDGs.

## **XI. Compound Quantitation**

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

## **XII. Target Compound Identification**

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

## **XIII. System Performance**

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

## **XIV. Overall Assessment of Data**

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

Due to cooler temperature, technical holding time, surrogate %R and MS/MSD %R, data were qualified as estimated in seven samples.

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

**NERT, Soil RI Sampling Phase 2, July through November 2017  
Chlorinated Pesticides - Data Qualification Summary - SDGs 440-188881-1, 440-189060-1, 440-189223-1, 440-189260-1**

SDG	Sample	Compound	Flag	A or P	Reason (Code)
440-189223-1	RI-15-5.0-20170728** RI-15-10.0-20170728** RI-15-20.0-20170728**	All compounds	UJ (all non-detects)	A	Cooler temperature (st)
440-188881-1	RI-6-20.0-20170724 RI-6-30.0-20170724	All compounds	UJ (all non-detects)	A	Technical holding times (h)
440-189260-1	RI-15-30.0-20170730	All compounds	UJ (all non-detects)	P	Technical holding times (h)
440-189060-1	RI-14-20.0-20170726	All compounds	UJ (all non-detects)	P	Surrogates (%R) (s)
440-189223-1	RI-15-10.0-20170728**	All compounds	UJ (all non-detects)	P	Surrogates (%R) (s)
440-189260-1	RI-15-30.0-20170730	alpha-Chlordane	UJ (all non-detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)

**NERT, Soil RI Sampling Phase 2, July through November 2017  
Chlorinated Pesticides - Laboratory Blank Data Qualification Summary - SDGs 440-188881-1, 440-189060-1, 440-189223-1, 440-189260-1**

No Sample Data Qualified in these SDGs

**NERT, Soil RI Sampling Phase 2, July through November 2017  
Chlorinated Pesticides - Field Blank Data Qualification Summary - SDGs 440-188881-1, 440-189060-1, 440-189223-1, 440-189260-1**

No Sample Data Qualified in these SDGs

**ATTACHMENT F**  
**Aroclor-1260 DVR**

## Aroclor-1260 by Environmental Protection Agency (EPA) SW 846 Method 8082

### I. Sample Receipt and Technical Holding Times

The chain-of-custodies were reviewed for documentation of cooler temperatures. Cooler temperature for all samples in SDG 440-189223-1 was reported at 20.3°C upon receipt by the laboratory.

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

SDG	Sample	Compound	Total Days From Sample Collection Until Extraction	Recommended Holding Time (in Days) From Sample Collection Until Extraction
440-188881-1	RI-6-20.0-20170724 RI-6-30.0-20170724	Aroclor-1260	22	14

Although the cooler temperature and recommended holding time criteria were exceeded, using professional judgment, no data were qualified. PCBs are known to be environmentally stable and are not expected to degrade significantly during transport or storage. Additionally, there are no preservative and holding time requirements for PCBs per EPA SW 846 Update V, July 2014, Revision 5.

### II. Initial Calibration and Initial Calibration Verification

An initial calibration was performed as required by the method.

The percent relative standard deviations (%RSD) were less than or equal to 20.0%.

The percent differences (%D) of the initial calibration verification (ICV) standard were less than or equal to 20.0%.

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

### III. Continuing Calibration

Continuing calibration was performed at required frequencies.

The percent differences (%D) were less than or equal to 20.0%.

Continuing calibration 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.

## V. Field Blanks

Samples M-205-20170906-EB\* (from SDG 440-191584-1), M-214-20171017-EB (from SDG 440-194474-1), M-214-20171103-EB (from SDG 440-195714-1), M-229-20171107-EB (from SDG 440-195947-1), and M-225-20171107-EB (from SDG 440-195949-1) were identified as equipment blanks. No contaminants were found.

Samples M-233-20171016-FB (from SDG 440-194404-1), M-186D-20171103-FB (from SDG 440-195714-1), M-229-20171107-FB, M-223-20171107-FB (both from SDG 440-195947-1), and M-236-20171107-FB (from SDG 440-195949-1) were identified as field blanks. No contaminants were found.

## VI. Surrogates/Internal Standards

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
440-195714-1	M-186D-20171103-FB	Decachlorobiphenyl	24 (29-115)	Aroclor-1260	UJ (all non-detects)	P

All internal standard areas and retention times were within QC limits. Internal standard data were not reviewed for Stage 2A validation.

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

## VIII. 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.

## IX. Field Duplicates

Samples M-236-20170906 and M-236-20170906-FD (both from SDG 440-191584-1), samples M-243-20170908 and M-243-20170908-FD (both from SDG 440-191775-1), samples PC-155A-20171019 and PC-155A-20171019-FD (both from SDG 440-194700-1), samples M-239-20171101 and M-239-20171101-FD (both from SDG 440-195438-1), samples M-209-20171106 and M-209-20171106-FD (both from SDG 440-195817-1), samples M-234-20171106 and M-234-20171106-FD (both from SDG 440-195823-1), samples M-231-20171107 and M-231-20171107-FD (both from SDG 440-195947-1), and samples M-230-20171107 and M-230-20171107-FD (both from SDG 440-195947-

1) were identified as field duplicates. No results were detected in any of the samples.

## **X. Compound Quantitation**

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

## **XI. Target Compound Identification**

All target compound identifications met validation criteria for samples which underwent Stage 4 validation. Raw data were not reviewed for Stage 2A and 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 surrogate %R, data were qualified as estimated in one sample.

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

**NERT, Soil and Groundwater RI Sampling Phase 2, July through November 2017  
Aroclor-1260 - Data Qualification Summary – SDGs 440-188881-1, 440-189060-1, 440-189223-1, 440-189260-1, 440-191494-1, 440-191584-1, 440-191691-1, 440-191775-1, 440-191800-1, 440-191907-1, 440-192106-1, 440-192114-1, 440-192217-1, 440-192969-1, 440-193060-1, 440-193158-1, 440-194107-1, 440-194194-1, 440-194219-1, 440-194282-1, 440-194301-1, 440-194404-1, 440-194468-1, 440-194470-1, 440-194472-1, 440-194474-1, 440-194569-1, 440-194697-1, 440-194700-1, 440-194703-1, 440-194771-1, 440-194865-1, 440-195219-1, 440-195403-1, 440-195438-1, 440-195603-1, 440-195605-1, 440-195714-1, 440-195817-1, 440-195823-1, 440-195947-1, 440-195949-1**

SDG	Sample	Compound	Flag	A or P	Reason (Code)
440-195714-1	M-186D-20171103-FB	Aroclor-1260	UJ (all non-detects)	P	Surrogates (%R) (s)

**NERT, Soil and Groundwater RI Sampling Phase 2, July through November 2017  
Aroclor-1260 – Laboratory Blank Data Qualification Summary - SDGs 440-188881-1, 440-189060-1, 440-189223-1, 440-189260-1, 440-191494-1, 440-191584-1, 440-191691-1, 440-191775-1, 440-191800-1, 440-191907-1, 440-192106-1, 440-192114-1, 440-192217-1, 440-192969-1, 440-193060-1, 440-193158-1, 440-194107-1, 440-194194-1, 440-194219-1, 440-194282-1, 440-194301-1, 440-194404-1, 440-194468-1, 440-194470-1, 440-194472-1, 440-194474-1, 440-194569-1, 440-194697-1, 440-194700-1, 440-194703-1, 440-194771-1, 440-194865-1, 440-195219-1, 440-195403-1, 440-195438-1, 440-195603-1, 440-195605-1, 440-195714-1, 440-195817-1, 440-195823-1, 440-195947-1, 440-195949-1**

No Sample Data Qualified in these SDGs

**NERT, Soil and Groundwater RI Sampling Phase 2, July through November 2017  
Aroclor-1260 - Field Blank Data Qualification Summary - SDGs 440-188881-1, 440-189060-1, 440-189223-1, 440-189260-1, 440-191494-1, 440-191584-1, 440-191691-1, 440-191775-1, 440-191800-1, 440-191907-1, 440-192106-1, 440-192114-1, 440-192217-1, 440-192969-1, 440-193060-1, 440-193158-1, 440-194107-1, 440-194194-1, 440-194219-1, 440-194282-1, 440-194301-1, 440-194404-1, 440-194468-1, 440-194470-1, 440-194472-1, 440-194474-1, 440-194569-1, 440-194697-1, 440-194700-1, 440-194703-1, 440-194771-1, 440-194865-1, 440-195219-1, 440-195403-1, 440-195438-1, 440-195603-1, 440-195605-1, 440-195714-1, 440-195817-1, 440-195823-1, 440-195947-1, 440-195949-1**

No Sample Data Qualified in these SDGs



**ATTACHMENT G**  
**GRO DVR**

# **Gasoline Range Organics by Environmental Protection Agency (EPA) SW 846 Method 8015B**

## **I. Sample Receipt and Technical Holding Times**

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

All technical holding time requirements were met.

## **II. Initial Calibration and Initial Calibration Verification**

An initial calibration was performed as required by the method.

The percent relative standard deviations (%RSD) were less than or equal to 20.0%.

The percent differences (%D) of the initial calibration verification (ICV) standard were less than or equal to 20.0%.

## **III. Continuing Calibration**

Continuing calibration was performed at the required frequencies.

The percent differences (%D) were less than or equal to 20.0%.

## **IV. Laboratory Blanks**

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

## **V. Field Blanks**

Sample RI-15-105.0-20170731-TB was identified as a trip blank. No contaminants were found.

## **VI. Surrogates**

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

## **VII. Matrix Spike/Matrix Spike Duplicates**

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

### **VIII. 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.

### **IX. Field Duplicates**

No field duplicates were identified in this SDG.

### **X. Compound Quantitation**

All compound quantitations met validation criteria.

### **XI. Target Compound Identifications**

All target compound identifications were within validation criteria.

### **XII. Overall Assessment of Data**

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

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

**NERT, Soil RI Sampling Phase 2, July 2017  
Gasoline Range Organics - Data Qualification Summary - SDG 440-189289-1**

No Sample Data Qualified in this SDG

**NERT, Soil RI Sampling Phase 2, July 2017  
Gasoline Range Organics - Laboratory Blank Data Qualification Summary - SDG  
440-189289-1**

No Sample Data Qualified in this SDG

**NERT, Soil RI Sampling Phase 2, July 2017  
Gasoline Range Organics - Field Blank Data Qualification Summary - SDG 440-  
189289-1**

No Sample Data Qualified in this SDG

**ATTACHMENT H**  
**PCDD/PCDF DVR**

# **Polychlorinated Dioxins/Dibenzofurans by Environmental Protection Agency (EPA) SW 846 Method 8290**

## **I. Sample Receipt and Technical Holding Times**

The chain-of-custodies were reviewed for documentation of cooler temperatures. Cooler temperature in SDGs 440-189223-2 and 440-189260-2 was reported at 20.3°C and one of two coolers in SDG 440-191775-2 was reported at 20.1°C upon receipt by the laboratory.

Although the cooler temperature criteria were exceeded, using professional judgment, no data were qualified. Polychlorinated Dioxins/Dibenzofurans are known to be environmentally stable and are not expected to degrade significantly during transport or storage.

All technical holding time requirements were met.

## **II. HRGC/HRMS Instrument Performance Check**

Instrument performance was checked at the required daily frequency.

Retention time windows were established for all homologues. The chromatographic resolution between 2,3,7,8-TCDD and peaks representing any other unlabeled TCDD isomer was less than or equal to 25%.

The static resolving power was at least 10,000 (10% valley definition).

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

## **III. Initial Calibration and Initial Calibration Verification**

A five point initial calibration was performed as required by the method.

The percent relative standard deviations (%RSD) were less than or equal to 20.0% for unlabeled compounds and less than or equal to 30.0% for labeled compounds.

The ion abundance ratios for all PCDDs and PCDFs were within validation criteria.

The percent differences (%D) of the initial calibration verification (ICV) standard were less than or equal to 20.0% for unlabeled compounds and less than or equal to 30.0% for labeled compounds.

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

## **IV. Continuing Calibration**

Continuing calibration was performed at the required frequencies.

All of the continuing calibration percent differences (%D) between the initial calibration RRF and the continuing calibration RRF were less than or equal to 20.0% for unlabeled compounds and less than or equal to 30.0% for labeled compounds.

The ion abundance ratios for all PCDDs and PCDFs were within validation criteria.

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	Extraction Date	Compound	Concentration	Associated Samples
440-188881-2	MB 320-176308/1-A	07/27/17	1,2,3,4,6,7,8-HpCDD 1,2,3,4,6,7,8-HpCDF 1,2,3,4,7,8,9-HpCDF OCDD OCDF Total HpCDD Total HpCDF	0.398 pg/g 0.214 pg/g 0.0928 pg/g 2.00 pg/g 0.294 pg/g 0.837 pg/g 0.393 pg/g	All samples in SDG 440-188881-2
440-189060-2	MB 320-176796/1-A	07/31/17	1,2,3,4,6,7,8-HpCDD 1,2,3,4,6,7,8-HpCDF OCDD OCDF Total HpCDD Total HpCDF	0.194 pg/g 0.0834 pg/g 0.815 pg/g 0.241 pg/g 0.415 pg/g 0.0834 pg/g	All samples in SDG 440-189060-2
440-189223-2	MB 320-177736/1-A	08/04/17	1,2,3,4,6,7,8-HpCDD 1,2,3,4,6,7,8-HpCDF 1,2,3,4,7,8,9-HpCDF OCDD OCDF Total HpCDD Total HpCDF	0.175 pg/g 0.0913 pg/g 0.0824 pg/g 1.29 pg/g 0.259 pg/g 0.311 pg/g 0.174 pg/g	All samples in SDG 440-189223-2
440-189260-2	MB 320-177736/1-A	08/04/17	1,2,3,4,6,7,8-HpCDD 1,2,3,4,6,7,8-HpCDF 1,2,3,4,7,8,9-HpCDF OCDD OCDF Total HpCDD Total HpCDF	0.175 pg/g 0.0913 pg/g 0.0824 pg/g 1.29 pg/g 0.259 pg/g 0.311 pg/g 0.174 pg/g	All samples in SDG 440-189260-2

SDG	Blank ID	Extraction Date	Compound	Concentration	Associated Samples
440-191775-2	MB 320-184178/1-A	09/13/17	1,2,3,4,7,8-HxCDD 1,2,3,4,7,8-HxCDF 1,2,3,6,7,8-HxCDF 2,3,4,6,7,8-HxCDF 1,2,3,7,8,9-HxCDF 1,2,3,4,6,7,8-HpCDD 1,2,3,4,6,7,8-HpCDF 1,2,3,4,7,8,9-HpCDF OCDD OCDF Total HxCDD Total HxCDF Total HpCDD Total HpCDF	0.615 pg/L 0.528 pg/L 1.12 pg/L 1.07 pg/L 1.14 pg/L 1.16 pg/L 1.15 pg/L 1.19 pg/L 4.22 pg/L 2.65 pg/L 0.615 pg/L 3.86 pg/L 1.76 pg/L 2.34 pg/L	All samples in SDG 440-191775-2
440-191800-2	MB 320-184178/1-A	09/13/17	1,2,3,4,7,8-HxCDD 1,2,3,4,7,8-HxCDF 1,2,3,6,7,8-HxCDF 2,3,4,6,7,8-HxCDF 1,2,3,7,8,9-HxCDF 1,2,3,4,6,7,8-HpCDD 1,2,3,4,6,7,8-HpCDF 1,2,3,4,7,8,9-HpCDF OCDD OCDF Total HxCDD Total HxCDF Total HpCDD Total HpCDF	0.615 pg/L 0.528 pg/L 1.12 pg/L 1.07 pg/L 1.14 pg/L 1.16 pg/L 1.15 pg/L 1.19 pg/L 4.22 pg/L 2.65 pg/L 0.615 pg/L 3.86 pg/L 1.76 pg/L 2.34 pg/L	All samples in SDG 440-191800-2
440-192114-2	MB 320-184582/1-A	09/15/17	1,2,3,4,6,7,8-HpCDD 1,2,3,4,6,7,8-HpCDF OCDD OCDF Total HpCDD Total HpCDF	0.521 pg/L 0.205 pg/L 1.59 pg/L 0.436 pg/L 1.20 pg/L 0.205 pg/L	All samples in SDG 440-192114-2
440-192969-2	MB 320-186981/1-A	09/29/17	1,2,3,4,7,8-HxCDD 1,2,3,6,7,8-HxCDD OCDD Total HxCDD	1.32 pg/L 0.673 pg/L 0.943 pg/L 1.99 pg/L	All samples in SDG 440-192969-2
440-193158-2	MB 320-187583/1-A	10/04/17	2,3,7,8-TCDD 1,2,3,4,6,7,8-HpCDD Total TCDD Total HpCDD	3.67 pg/L 2.70 pg/L 3.67 pg/L 4.91 pg/L	All samples in SDG 440-193158-2
440-194404-2	MB 320-190800/1-A	10/24/17	1,2,3,4,7,8-HxCDD 1,2,3,7,8,9-HxCDF 1,2,3,4,6,7,8-HpCDF OCDD Total HxCDD Total HxCDF Total HpCDD Total HpCDF	2.77 pg/L 0.639 pg/L 0.380 pg/L 2.19 pg/L 2.77 pg/L 0.639 pg/L 0.710 pg/L 0.380 pg/L	All samples in SDG 440-194404-2



SDG	Blank ID	Extraction Date	Compound	Concentration	Associated Samples
440-194763-1	MB 320-190548/1-A	10/23/17	1,2,3,4,7,8-HxCDD 1,2,3,7,8,9-HxCDF 1,2,3,4,6,7,8-HpCDD 1,2,3,4,6,7,8-HpCDF 1,2,3,4,7,8,9-HpCDF OCDD OCDF Total HxCDD Total HxCDF Total HpCDD Total HpCDF	2.23 pg/L 0.688 pg/L 2.05 pg/L 1.52 pg/L 1.38 pg/L 4.39 pg/L 3.38 pg/L 3.06 pg/L 0.688 pg/L 3.53 pg/L 2.90 pg/L	All samples in SDG 440-194763-1
440-194771-2	MB 320-190951/1-A	10/25/17	1,2,3,4,7,8-HxCDD 1,2,3,7,8,9-HxCDF 1,2,3,4,6,7,8-HpCDD 1,2,3,4,6,7,8-HpCDF 1,2,3,4,7,8,9-HpCDF OCDD OCDF Total HxCDD Total HxCDF Total HpCDD Total HpCDF	1.18 pg/L 0.966 pg/L 1.10 pg/L 0.704 pg/L 0.681 pg/L 3.12 pg/L 1.26 pg/L 1.18 pg/L 0.966 pg/L 2.01 pg/L 1.38 pg/L	All samples in SDG 440-194771-2
440-195438-2	MB 320-192944/1-A	11/06/17	1,2,3,4,7,8-HxCDD OCDD Total HxCDD Total HpCDD	1.55 pg/L 2.84 pg/L 1.55 pg/L 1.15 pg/L	All samples in SDG 440-195438-2
440-195603-2	MB 320-192944/1-A	11/06/17	1,2,3,4,7,8-HxCDD OCDD Total HxCDD Total HpCDD	1.55 pg/L 2.84 pg/L 1.55 pg/L 1.15 pg/L	All samples in SDG 440-195603-2
440-195605-2	MB 320-192944/1-A	11/06/17	1,2,3,4,7,8-HxCDD OCDD Total HxCDD Total HpCDD	1.55 pg/L 2.84 pg/L 1.55 pg/L 1.15 pg/L	All samples in SDG 440-195605-2
440-195817-2	MB 320-193998/1-A	11/10/17	1,2,3,4,7,8-HxCDD 1,2,3,7,8,9-HxCDF 1,2,3,4,6,7,8-HpCDD 1,2,3,4,6,7,8-HpCDF 1,2,3,4,7,8,9-HpCDF OCDD OCDF Total HxCDD Total HxCDF Total HpCDD Total HpCDF	1.29 pg/L 0.647 pg/L 1.16 pg/L 0.700 pg/L 0.716 pg/L 11.8 pg/L 2.55 pg/L 1.29 pg/L 0.647 pg/L 2.03 pg/L 1.42 pg/L	All samples in SDG 440-195817-2

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
440-188881-2	RI-6-20.0-20170724	1,2,3,4,6,7,8-HpCDD 1,2,3,4,6,7,8-HpCDF 1,2,3,4,7,8,9-HpCDF OCDD Total HpCDD Total HpCDF	0.50 pg/g 0.48 pg/g 0.37 pg/g 3.8 pg/g 0.77 pg/g 0.85 pg/g	0.50J pg/g 0.48J pg/g 0.37J pg/g 3.8J pg/g 0.77J pg/g 0.85J pg/g
440-188881-2	RI-6-30.0-20170724	1,2,3,4,6,7,8-HpCDF OCDD OCDF Total HpCDD Total HpCDF	0.47 pg/g 1.4 pg/g 1.1 pg/g 0.30 pg/g 0.62 pg/g	0.47J pg/g 1.4J pg/g 1.1J pg/g 0.30J pg/g 0.62J pg/g
440-189060-2	RI-14-20.0-20170726	1,2,3,4,6,7,8-HpCDD OCDD Total HpCDD	0.16 pg/g 0.71 pg/g 0.29 pg/g	0.16J pg/g 0.71J pg/g 0.29J pg/g
440-189060-2	RI-14-30.0-20170726	1,2,3,4,6,7,8-HpCDF OCDD OCDF Total HpCDD Total HpCDF	0.10 pg/g 0.29 pg/g 0.24 pg/g 0.12 pg/g 0.10 pg/g	0.10J pg/g 0.29J pg/g 0.24J pg/g 0.12J pg/g 0.10J pg/g
440-189223-2	RI-15-5.0-20170728	OCDD	6.0 pg/g	6.0J pg/g
440-189223-2	RI-15-20.0-20170728	1,2,3,4,6,7,8-HpCDD 1,2,3,4,6,7,8-HpCDF 1,2,3,4,7,8,9-HpCDF OCDD OCDF Total HpCDD Total HpCDF	0.30 pg/g 0.46 pg/g 0.30 pg/g 0.83 pg/g 1.1 pg/g 0.30 pg/g 1.0 pg/g	0.30J pg/g 0.46J pg/g 0.30J pg/g 0.83J pg/g 1.1J pg/g 0.30J pg/g 1.0J pg/g
440-189260-2	RI-15-30.0-20170730	1,2,3,4,6,7,8-HpCDD 1,2,3,4,6,7,8-HpCDF OCDD OCDF Total HpCDD Total HpCDF	0.12 pg/g 0.15 pg/g 0.54 pg/g 0.47 pg/g 0.23 pg/g 0.15 pg/g	0.12J pg/g 0.15J pg/g 0.54J pg/g 0.47J pg/g 0.23J pg/g 0.15J pg/g
440-191775-2	M-242-20170908	1,2,3,6,7,8-HxCDF 1,2,3,7,8,9-HxCDF 1,2,3,4,6,7,8-HpCDD 1,2,3,4,6,7,8-HpCDF OCDD OCDF Total HxCDD Total HxCDF Total HpCDD Total HpCDF	0.33 pg/L 0.52 pg/L 0.77 pg/L 0.98 pg/L 4.2 pg/L 2.8 pg/L 0.38 pg/L 0.84 pg/L 1.4 pg/L 0.98 pg/L	0.33J pg/L 0.52J pg/L 0.77J pg/L 0.98J pg/L 4.2J pg/L 2.8J pg/L 0.38J pg/L 0.84J pg/L 1.4J pg/L 0.98J pg/L

SDG	Sample	Compound	Reported Concentration	Modified Final Concentration
440-191775-2	M-243-20170908	1,2,3,4,7,8-HxCDF 1,2,3,4,6,7,8-HpCDD 1,2,3,4,6,7,8-HpCDF 1,2,3,4,7,8,9-HpCDF OCDD OCDF Total HxCDF Total HpCDD Total HpCDF	1.3 pg/L 1.1 pg/L 3.5 pg/L 1.8 pg/L 4.2 pg/L 11 pg/L 1.3 pg/L 2.0 pg/L 8.1 pg/L	1.3J pg/L 1.1J pg/L 3.5J pg/L 1.8J pg/L 4.2J pg/L 11J pg/L 1.3J pg/L 2.0J pg/L 8.1J pg/L
440-191775-2	M-243-20170908-FD	1,2,3,4,7,8-HxCDF 1,2,3,6,7,8-HxCDF 1,2,3,7,8,9-HxCDF 1,2,3,4,6,7,8-HpCDD 1,2,3,4,6,7,8-HpCDF 1,2,3,4,7,8,9-HpCDF OCDD OCDF Total HxCDD Total HxCDF Total HpCDD Total HpCDF	1.6 pg/L 0.92 pg/L 0.77 pg/L 1.2 pg/L 3.7 pg/L 1.8 pg/L 2.9 pg/L 11 pg/L 0.35 pg/L 6.3 pg/L 2.4 pg/L 7.9 pg/L	1.6J pg/L 0.92J pg/L 0.77J pg/L 1.2J pg/L 3.7J pg/L 1.8J pg/L 2.9J pg/L 11J pg/L 0.35J pg/L 6.3J pg/L 2.4J pg/L 7.9J pg/L
440-191775-2	M-245-20170908	1,2,3,4,7,8-HxCDD 2,3,4,6,7,8-HxCDF 1,2,3,7,8,9-HxCDF 1,2,3,4,6,7,8-HpCDD 1,2,3,4,6,7,8-HpCDF OCDD OCDF Total HxCDD Total HxCDF Total HpCDD Total HpCDF	0.17 pg/L 0.28 pg/L 0.22 pg/L 0.68 pg/L 0.61 pg/L 2.8 pg/L 0.97 pg/L 0.80 pg/L 0.49 pg/L 1.6 pg/L 0.61 pg/L	0.17J pg/L 0.28J pg/L 0.22J pg/L 0.68J pg/L 0.61J pg/L 2.8J pg/L 0.97J pg/L 0.80J pg/L 0.49J pg/L 1.6J pg/L 0.61J pg/L
440-191800-2	M-246-20170908	1,2,3,4,7,8-HxCDD 1,2,3,4,7,8-HxCDF 1,2,3,6,7,8-HxCDF 2,3,4,6,7,8-HxCDF 1,2,3,7,8,9-HxCDF 1,2,3,4,6,7,8-HpCDD 1,2,3,4,6,7,8-HpCDF OCDD OCDF Total HxCDD Total HxCDF Total HpCDD Total HpCDF	0.29 pg/L 0.27 pg/L 0.21 pg/L 0.25 pg/L 0.61 pg/L 0.66 pg/L 0.60 pg/L 2.0 pg/L 0.85 pg/L 0.82 pg/L 1.3 pg/L 1.5 pg/L 0.60 pg/L	0.29J pg/L 0.27J pg/L 0.21J pg/L 0.25J pg/L 0.61J pg/L 0.66J pg/L 0.60J pg/L 2.0J pg/L 0.85J pg/L 0.82J pg/L 1.3J pg/L 1.5J pg/L 0.60J pg/L
440-192114-2	M-211-20170913	1,2,3,4,6,7,8-HpCDD OCDD Total HpCDD	1.1 pg/L 2.9 pg/L 2.0 pg/L	1.1J pg/L 2.9J pg/L 2.0J pg/L
440-192969-2	M-204-20170926	1,2,3,4,7,8-HxCDD OCDD Total HxCDD	1.6 pg/L 2.7 pg/L 1.6 pg/L	1.6J pg/L 2.7J pg/L 1.6J pg/L
440-193158-2	M-244-20170928	1,2,3,4,6,7,8-HpCDD Total HpCDD	2.8 pg/L 4.3 pg/L	2.8J pg/L 4.3J pg/L

SDG	Sample	Compound	Reported Concentration	Modified Final Concentration
440-193158-2	M-79-20170928	1,2,3,4,6,7,8-HpCDD Total HpCDD	1.3 pg/L 1.3 pg/L	1.3J pg/L 1.3J pg/L
440-194404-2	M-21D-20171016	1,2,3,4,7,8-HxCDD 1,2,3,4,6,7,8-HpCDF OCDD Total HxCDD Total HpCDF	2.9 pg/L 1.1 pg/L 1.7 pg/L 2.9 pg/L 1.1 pg/L	2.9J pg/L 1.1J pg/L 1.7J pg/L 2.9J pg/L 1.1J pg/L
440-194763-1	M-13-20171018	1,2,3,4,7,8-HxCDD 1,2,3,4,6,7,8-HpCDD 1,2,3,4,6,7,8-HpCDF 1,2,3,4,7,8,9-HpCDF OCDD OCDF Total HxCDD Total HxCDF Total HpCDD Total HpCDF	2.0 pg/L 1.0 pg/L 4.2 pg/L 1.7 pg/L 3.0 pg/L 9.8 pg/L 2.0 pg/L 2.6 pg/L 2.0 pg/L 8.2 pg/L	2.0J pg/L 1.0J pg/L 4.2J pg/L 1.7J pg/L 3.0J pg/L 9.8J pg/L 2.0J pg/L 2.6J pg/L 2.0J pg/L 8.2J pg/L
440-194763-1	M-11-20171018	1,2,3,4,7,8-HxCDD 1,2,3,4,6,7,8-HpCDD 1,2,3,4,6,7,8-HpCDF OCDD OCDF Total HxCDD Total HpCDD Total HpCDF	0.97 pg/L 0.84 pg/L 0.54 pg/L 1.6 pg/L 0.89 pg/L 0.97 pg/L 1.7 pg/L 0.54 pg/L	0.97J pg/L 0.84J pg/L 0.54J pg/L 1.6J pg/L 0.89J pg/L 0.97J pg/L 1.7J pg/L 0.54J pg/L
440-194763-1	M-75-20171018	1,2,3,4,7,8-HxCDD 1,2,3,4,6,7,8-HpCDD 1,2,3,4,6,7,8-HpCDF 1,2,3,4,7,8,9-HpCDF OCDD OCDF Total HxCDD Total HpCDD Total HpCDF	1.8 pg/L 1.2 pg/L 4.2 pg/L 1.6 pg/L 4.9 pg/L 11 pg/L 2.5 pg/L 2.4 pg/L 8.0 pg/L	1.8J pg/L 1.2J pg/L 4.2J pg/L 1.6J pg/L 4.9J pg/L 11J pg/L 2.5J pg/L 2.4J pg/L 8.0J pg/L
440-194763-1	M-22A-20171018	1,2,3,4,7,8-HxCDD 1,2,3,4,6,7,8-HpCDD 1,2,3,4,6,7,8-HpCDF 1,2,3,4,7,8,9-HpCDF OCDD OCDF Total HxCDD Total HpCDD Total HpCDF	1.6 pg/L 0.95 pg/L 1.7 pg/L 0.60 pg/L 5.8 pg/L 3.5 pg/L 1.6 pg/L 2.2 pg/L 2.8 pg/L	1.6J pg/L 0.95J pg/L 1.7J pg/L 0.60J pg/L 5.8J pg/L 3.5J pg/L 1.6J pg/L 2.2J pg/L 2.8J pg/L
440-194763-1	M-37-20171018	1,2,3,4,7,8-HxCDD 1,2,3,4,6,7,8-HpCDD 1,2,3,4,7,8,9-HpCDF OCDD Total HxCDD Total HpCDD	1.7 pg/L 1.4 pg/L 3.5 pg/L 3.6 pg/L 1.7 pg/L 2.6 pg/L	1.7J pg/L 1.4J pg/L 3.5J pg/L 3.6J pg/L 1.7J pg/L 2.6J pg/L

SDG	Sample	Compound	Reported Concentration	Modified Final Concentration
440-194763-1	M-25-20171018	1,2,3,4,7,8-HxCDD 1,2,3,4,6,7,8-HpCDD 1,2,3,4,6,7,8-HpCDF 1,2,3,4,7,8,9-HpCDF OCDD OCDF Total HxCDD Total HpCDD Total HpCDF	1.6 pg/L 0.94 pg/L 2.7 pg/L 1.0 pg/L 2.6 pg/L 6.0 pg/L 3.5 pg/L 2.0 pg/L 3.7 pg/L	1.6J pg/L 0.94J pg/L 2.7J pg/L 1.0J pg/L 2.6J pg/L 6.0J pg/L 3.5J pg/L 2.0J pg/L 3.7J pg/L
440-194771-2	M-203-20171020	1,2,3,4,6,7,8-HpCDD 1,2,3,4,6,7,8-HpCDF 1,2,3,4,7,8,9-HpCDF OCDF Total HpCDD Total HpCDF	1.6 pg/L 1.7 pg/L 0.58 pg/L 5.2 pg/L 3.2 pg/L 4.3 pg/L	1.6J pg/L 1.7J pg/L 0.58J pg/L 5.2J pg/L 3.2J pg/L 4.3J pg/L
440-194771-2	M-5D-20171020	1,2,3,4,7,8-HxCDD 1,2,3,4,6,7,8-HpCDD 1,2,3,4,6,7,8-HpCDF OCDD OCDF Total HxCDD Total HpCDD Total HpCDF	1.1 pg/L 0.76 pg/L 0.56 pg/L 4.4 pg/L 0.77 pg/L 3.9 pg/L 1.8 pg/L 0.56 pg/L	1.1J pg/L 0.76J pg/L 0.56J pg/L 4.4J pg/L 0.77J pg/L 3.9J pg/L 1.8J pg/L 0.56J pg/L
440-194771-2	MW-16-20171020	1,2,3,4,7,8-HxCDD 1,2,3,4,6,7,8-HpCDD 1,2,3,4,6,7,8-HpCDF OCDD OCDF Total HxCDD Total HpCDD Total HpCDF	1.5 pg/L 0.86 pg/L 1.1 pg/L 2.7 pg/L 2.1 pg/L 1.5 pg/L 1.9 pg/L 1.1 pg/L	1.5J pg/L 0.86J pg/L 1.1J pg/L 2.7J pg/L 2.1J pg/L 1.5J pg/L 1.9J pg/L 1.1J pg/L
440-195438-2	M-21D-20171101	OCDD	1.6 pg/L	1.6J pg/L
440-195603-2	M-204-20171102	1,2,3,4,7,8-HxCDD OCDD Total HxCDD Total HpCDD	0.84 pg/L 7.9 pg/L 0.84 pg/L 1.3 pg/L	0.84J pg/L 7.9J pg/L 0.84J pg/L 1.3J pg/L
440-195605-2	M-216-20171102	1,2,3,4,7,8-HxCDD Total HxCDD Total HpCDD	1.3 pg/L 1.3 pg/L 2.0 pg/L	1.3J pg/L 1.3J pg/L 2.0J pg/L
440-195817-2	M-211-20171106	1,2,3,4,7,8-HxCDD 1,2,3,4,6,7,8-HpCDD 1,2,3,4,7,8,9-HpCDF OCDD Total HxCDD Total HpCDD	1.2 pg/L 1.0 pg/L 2.1 pg/L 5.4 pg/L 1.2 pg/L 2.2 pg/L	1.2J pg/L 1.0J pg/L 2.1J pg/L 5.4J pg/L 1.2J pg/L 2.2J pg/L

## VI. Field Blanks

No field blanks were identified in these SDGs.

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

## VIII. 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.

## IX. Field Duplicates

Samples M-243-20170908 and M-243-20170908-FD (both from SDG 440-191775-2) were identified as field duplicates. No results were detected in any of the samples with the following exceptions:

SDG	Compound	Concentration (pg/L)		RPD (Limits)	Flag	A or P
		M-243-20170908	M-243-20170908-FD			
440-191775-2	2,3,7,8-TCDF	0.54	0.89	49 (≤30)	NQ	-
	1,2,3,7,8-PeCDF	0.64	0.20U	200 (≤30)	NQ	-
	1,2,3,7,8,9-HxCDD	0.18U	0.35	200 (≤30)	NQ	-
	1,2,3,4,7,8-HxCDF	1.3	1.6	21 (≤30)	-	-
	1,2,3,6,7,8-HxCDF	0.45U	0.92	200 (≤30)	NQ	-
	1,2,3,7,8,9-HxCDF	0.52U	0.77	200 (≤30)	NQ	-
	1,2,3,4,6,7,8-HpCDD	1.1	1.2	9 (≤30)	-	-
	1,2,3,4,6,7,8-HpCDF	3.5	3.7	6 (≤30)	-	-
	1,2,3,4,7,8,9-HpCDF	1.8	1.8	0 (≤30)	-	-
	OCDD	4.2	2.9	37 (≤30)	NQ	-
	OCDF	11	11	0 (≤30)	-	-
	Total TCDF	1.5	5.4	113 (≤30)	NQ	-
	Total PeCDF	1.1	3.3	100 (≤30)	NQ	-

SDG	Compound	Concentration (pg/L)		RPD (Limits)	Flag	A or P
		M-243-20170908	M-243-20170908-FD			
440-191775-2	Total HxCDD	0.21U	0.35	200 (≤30)	NQ	-
	Total HxCDF	1.3	6.3	132 (≤30)	NQ	-
	Total HpCDD	2.0	2.4	18 (≤30)	-	-
	Total HpCDF	8.1	7.9	2 (≤30)	-	-

NQ = No data were qualified when either the primary or duplicate result was not detected, was below the practical quantitation limit (PQL), or was reported as estimated maximum possible concentration (EMPC).

### X. Internal Standards

All internal standard recoveries (%R) were within QC limits with the following exceptions:

SDG	Sample	Internal Standards	%R (Limits)	Affected Compound	Flag	A or P
440-188881-2	RI-6-30.0-20170724	<sup>13</sup> C-OCDD	37 (40-135)	OCDD OCDF	J- (all detects) J- (all detects)	P

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

### XI. Compound Quantitation

All compound quantitations met validation criteria with the following exceptions:

SDG	Sample	Finding	Flag	A or P
440-188881-2 440-189060-2 440-189223-2 440-189260-2 440-191775-2 440-191800-2 440-192114-2 440-192969-2 440-193158-2 440-194404-2 440-194763-1 440-194771-2 440-195438-2 440-195603-2 440-195605-2 440-195817-2	All samples	Results were flagged "q" by the laboratory as estimated maximum possible concentration (EMPC).	J (all detects)	A

Raw data were not reviewed for Stage 2A and Stage 2B validation.

## XII. Target Compound Identifications

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

## XIII. System Performance

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

## XIV. Overall Assessment of Data

The analysis was conducted within all specifications of the method with the following exceptions:

SDG	Sample	Finding	Criteria	Flag
440-189060-2 440-189223-2	RI-14-20.0-20170726 RI-15-20.0-20170728	2nd column confirmation was not performed for 2,3,7,8-TCDF when the detected result was less than the PQL or was reported as EMPC.	2,3,7,8-TCDF must be confirmed on a 2nd column per the method.	Using professional judgment, no data were qualified since the reported results were flagged as estimated by the laboratory.

No results were rejected in these SDGs.

Due to internal standards %R and results reported as EMPC, data were qualified as estimated in thirty four samples.

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

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



**NERT, Soil and Groundwater RI Sampling Phase 2, July through November 2017  
Polychlorinated Dioxins/Dibenzofurans - Data Qualification Summary - SDGs 440-188881-2, 440-189060-2, 440-189223-2, 440-189260-2, 440-191775-2, 440-191800-2, 440-192114-2, 440-192969-2, 440-193158-2, 440-194404-2, 440-194763-1, 440-194771-2, 440-195438-2, 440-195603-2, 440-195605-2, 440-195817-2**

SDG	Sample	Compound	Flag	A or P	Reason (Code)
440-188881-2	RI-6-30.0-20170724	OCDD OCDF	J- (all detects) J- (all detects)	P	Internal standards (%R) (i)
440-188881-2	RI-6-20.0-20170724 RI-6-30.0-20170724	Results were flagged "q" by the laboratory as estimated maximum possible concentration (EMPC).	J (all detects)	A	Compound quantitation (EMPC) (k)
440-189060-2	RI-14-5.0-20170726 RI-14-10.0-20170726 RI-14-20.0-20170726 RI-14-30.0-20170726	Results were flagged "q" by the laboratory as estimated maximum possible concentration (EMPC).	J (all detects)	A	Compound quantitation (EMPC) (k)
440-189223-2	RI-15-5.0-20170728 RI-15-10.0-20170728 RI-15-20.0-20170728	Results were flagged "q" by the laboratory as estimated maximum possible concentration (EMPC).	J (all detects)	A	Compound quantitation (EMPC) (k)
440-189260-2	RI-15-30.0-20170730	Results were flagged "q" by the laboratory as estimated maximum possible concentration (EMPC).	J (all detects)	A	Compound quantitation (EMPC) (k)
440-191775-2	M-242-20170908 M-243-20170908 M-243-20170908-FD M-245-20170908	Results were flagged "q" by the laboratory as estimated maximum possible concentration (EMPC).	J (all detects)	A	Compound quantitation (EMPC) (k)
440-191800-2	M-246-20170908	Results were flagged "q" by the laboratory as estimated maximum possible concentration (EMPC).	J (all detects)	A	Compound quantitation (EMPC) (k)
440-192114-2	M-211-20170913	Results were flagged "q" by the laboratory as estimated maximum possible concentration (EMPC).	J (all detects)	A	Compound quantitation (EMPC) (k)
440-192969-2	M-204-20170926	Results were flagged "q" by the laboratory as estimated maximum possible concentration (EMPC).	J (all detects)	A	Compound quantitation (EMPC) (k)
440-193158-2	M-244-20170928 M-135-20170928 M-79-20170928	Results were flagged "q" by the laboratory as estimated maximum possible concentration (EMPC).	J (all detects)	A	Compound quantitation (EMPC) (k)
440-194404-2	M-21D-20171016	Results were flagged "q" by the laboratory as estimated maximum possible concentration (EMPC).	J (all detects)	A	Compound quantitation (EMPC) (k)

SDG	Sample	Compound	Flag	A or P	Reason (Code)
440-194763-1	M-13-20171018 M-11-20171018 M-75-20171018 M-22A-20171018 M-37-20171018 M-25-20171018	Results were flagged "q" by the laboratory as estimated maximum possible concentration (EMPC).	J (all detects)	A	Compound quantitation (EMPC) (k)
440-194771-2	M-203-20171020 M-5D-20171020 MW-16-20171020	Results were flagged "q" by the laboratory as estimated maximum possible concentration (EMPC).	J (all detects)	A	Compound quantitation (EMPC) (k)
440-195438-2	M-21D-20171101	Results were flagged "q" by the laboratory as estimated maximum possible concentration (EMPC).	J (all detects)	A	Compound quantitation (EMPC) (k)
440-195603-2	M-204-20171102	Results were flagged "q" by the laboratory as estimated maximum possible concentration (EMPC).	J (all detects)	A	Compound quantitation (EMPC) (k)
440-195605-2	M-216-20171102	Results were flagged "q" by the laboratory as estimated maximum possible concentration (EMPC).	J (all detects)	A	Compound quantitation (EMPC) (k)
440-195817-2	M-211-20171106	Results were flagged "q" by the laboratory as estimated maximum possible concentration (EMPC).	J (all detects)	A	Compound quantitation (EMPC) (k)

**NERT, Soil and Groundwater RI Sampling Phase 2, July through November 2017  
Polychlorinated Dioxins/Dibenzofurans - Laboratory Blank Data Qualification  
Summary - SDGs 440-188881-2, 440-189060-2, 440-189223-2, 440-189260-2, 440-191775-2, 440-191800-2, 440-192114-2, 440-192969-2, 440-193158-2, 440-194404-2, 440-194763-1, 440-194771-2, 440-195438-2, 440-195603-2, 440-195605-2, 440-195817-2**

SDG	Sample	Compound	Modified Final Concentration	A or P	Code
440-188881-2	RI-6-20.0-20170724	1,2,3,4,6,7,8-HpCDD 1,2,3,4,6,7,8-HpCDF 1,2,3,4,7,8,9-HpCDF OCDD Total HpCDD Total HpCDF	0.50J pg/g 0.48J pg/g 0.37J pg/g 3.8J pg/g 0.77J pg/g 0.85J pg/g	A	bl
440-188881-2	RI-6-30.0-20170724	1,2,3,4,6,7,8-HpCDF OCDD OCDF Total HpCDD Total HpCDF	0.47J pg/g 1.4J pg/g 1.1J pg/g 0.30J pg/g 0.62J pg/g	A	bl
440-189060-2	RI-14-20.0-20170726	1,2,3,4,6,7,8-HpCDD OCDD Total HpCDD	0.16J pg/g 0.71J pg/g 0.29J pg/g	A	bl

SDG	Sample	Compound	Modified Final Concentration	A or P	Code
440-189060-2	RI-14-30.0-20170726	1,2,3,4,6,7,8-HpCDF OCDD OCDF Total HpCDD Total HpCDF	0.10J pg/g 0.29J pg/g 0.24J pg/g 0.12J pg/g 0.10J pg/g	A	bl
440-189223-2	RI-15-5.0-20170728	OCDD	6.0J pg/g	A	bl
440-189223-2	RI-15-20.0-20170728	1,2,3,4,6,7,8-HpCDD 1,2,3,4,6,7,8-HpCDF 1,2,3,4,7,8,9-HpCDF OCDD OCDF Total HpCDD Total HpCDF	0.30J pg/g 0.46J pg/g 0.30J pg/g 0.83J pg/g 1.1J pg/g 0.30J pg/g 1.0J pg/g	A	bl
440-189260-2	RI-15-30.0-20170730	1,2,3,4,6,7,8-HpCDD 1,2,3,4,6,7,8-HpCDF OCDD OCDF Total HpCDD Total HpCDF	0.12J pg/g 0.15J pg/g 0.54J pg/g 0.47J pg/g 0.23J pg/g 0.15J pg/g	A	bl
440-191775-2	M-242-20170908	1,2,3,6,7,8-HxCDF 1,2,3,7,8,9-HxCDF 1,2,3,4,6,7,8-HpCDD 1,2,3,4,6,7,8-HpCDF OCDD OCDF Total HxCDD Total HxCDF Total HpCDD Total HpCDF	0.33J pg/L 0.52J pg/L 0.77J pg/L 0.98J pg/L 4.2J pg/L 2.8J pg/L 0.38J pg/L 0.84J pg/L 1.4J pg/L 0.98J pg/L	A	bl
440-191775-2	M-243-20170908	1,2,3,4,7,8-HxCDF 1,2,3,4,6,7,8-HpCDD 1,2,3,4,6,7,8-HpCDF 1,2,3,4,7,8,9-HpCDF OCDD OCDF Total HxCDF Total HpCDD Total HpCDF	1.3J pg/L 1.1J pg/L 3.5J pg/L 1.8J pg/L 4.2J pg/L 11J pg/L 1.3J pg/L 2.0J pg/L 8.1J pg/L	A	bl
440-191775-2	M-243-20170908-FD	1,2,3,4,7,8-HxCDF 1,2,3,6,7,8-HxCDF 1,2,3,7,8,9-HxCDF 1,2,3,4,6,7,8-HpCDD 1,2,3,4,6,7,8-HpCDF 1,2,3,4,7,8,9-HpCDF OCDD OCDF Total HxCDD Total HxCDF Total HpCDD Total HpCDF	1.6J pg/L 0.92J pg/L 0.77J pg/L 1.2J pg/L 3.7J pg/L 1.8J pg/L 2.9J pg/L 11J pg/L 0.35J pg/L 6.3J pg/L 2.4J pg/L 7.9J pg/L	A	bl

SDG	Sample	Compound	Modified Final Concentration	A or P	Code
440-191775-2	M-245-20170908	1,2,3,4,7,8-HxCDD 2,3,4,6,7,8-HxCDF 1,2,3,7,8,9-HxCDF 1,2,3,4,6,7,8-HpCDD 1,2,3,4,6,7,8-HpCDF OCDD OCDF Total HxCDD Total HxCDF Total HpCDD Total HpCDF	0.17J pg/L 0.28J pg/L 0.22J pg/L 0.68J pg/L 0.61J pg/L 2.8J pg/L 0.97J pg/L 0.80J pg/L 0.49J pg/L 1.6J pg/L 0.61J pg/L	A	bl
440-191800-2	M-246-20170908	1,2,3,4,7,8-HxCDD 1,2,3,4,7,8-HxCDF 1,2,3,6,7,8-HxCDF 2,3,4,6,7,8-HxCDF 1,2,3,7,8,9-HxCDF 1,2,3,4,6,7,8-HpCDD 1,2,3,4,6,7,8-HpCDF OCDD OCDF Total HxCDD Total HxCDF Total HpCDD Total HpCDF	0.29J pg/L 0.27J pg/L 0.21J pg/L 0.25J pg/L 0.61J pg/L 0.66J pg/L 0.60J pg/L 2.0J pg/L 0.85J pg/L 0.82J pg/L 1.3J pg/L 1.5J pg/L 0.60J pg/L	A	bl
440-192114-2	M-211-20170913	1,2,3,4,6,7,8-HpCDD OCDD Total HpCDD	1.1J pg/L 2.9J pg/L 2.0J pg/L	A	bl
440-192969-2	M-204-20170926	1,2,3,4,7,8-HxCDD OCDD Total HxCDD	1.6J pg/L 2.7J pg/L 1.6J pg/L	A	bl
440-193158-2	M-244-20170928	1,2,3,4,6,7,8-HpCDD Total HpCDD	2.8J pg/L 4.3J pg/L	A	bl
440-193158-2	M-79-20170928	1,2,3,4,6,7,8-HpCDD Total HpCDD	1.3J pg/L 1.3J pg/L	A	bl
440-194404-2	M-21D-20171016	1,2,3,4,7,8-HxCDD 1,2,3,4,6,7,8-HpCDF OCDD Total HxCDD Total HpCDF	2.9J pg/L 1.1J pg/L 1.7J pg/L 2.9J pg/L 1.1J pg/L	A	bl
440-194763-1	M-13-20171018	1,2,3,4,7,8-HxCDD 1,2,3,4,6,7,8-HpCDD 1,2,3,4,6,7,8-HpCDF 1,2,3,4,7,8,9-HpCDF OCDD OCDF Total HxCDD Total HxCDF Total HpCDD Total HpCDF	2.0J pg/L 1.0J pg/L 4.2J pg/L 1.7J pg/L 3.0J pg/L 9.8J pg/L 2.0J pg/L 2.6J pg/L 2.0J pg/L 8.2J pg/L	A	bl

SDG	Sample	Compound	Modified Final Concentration	A or P	Code
440-194763-1	M-11-20171018	1,2,3,4,7,8-HxCDD 1,2,3,4,6,7,8-HpCDD 1,2,3,4,6,7,8-HpCDF OCDD OCDF Total HxCDD Total HpCDD Total HpCDF	0.97J pg/L 0.84J pg/L 0.54J pg/L 1.6J pg/L 0.89J pg/L 0.97J pg/L 1.7J pg/L 0.54J pg/L	A	bl
440-194763-1	M-75-20171018	1,2,3,4,7,8-HxCDD 1,2,3,4,6,7,8-HpCDD 1,2,3,4,6,7,8-HpCDF 1,2,3,4,7,8,9-HpCDF OCDD OCDF Total HxCDD Total HpCDD Total HpCDF	1.8J pg/L 1.2J pg/L 4.2J pg/L 1.6J pg/L 4.9J pg/L 11J pg/L 2.5J pg/L 2.4J pg/L 8.0J pg/L	A	bl
440-194763-1	M-22A-20171018	1,2,3,4,7,8-HxCDD 1,2,3,4,6,7,8-HpCDD 1,2,3,4,6,7,8-HpCDF 1,2,3,4,7,8,9-HpCDF OCDD OCDF Total HxCDD Total HpCDD Total HpCDF	1.6J pg/L 0.95J pg/L 1.7J pg/L 0.60J pg/L 5.8J pg/L 3.5J pg/L 1.6J pg/L 2.2J pg/L 2.8J pg/L	A	bl
440-194763-1	M-37-20171018	1,2,3,4,7,8-HxCDD 1,2,3,4,6,7,8-HpCDD 1,2,3,4,7,8,9-HpCDF OCDD Total HxCDD Total HpCDD	1.7J pg/L 1.4J pg/L 3.5J pg/L 3.6J pg/L 1.7J pg/L 2.6J pg/L	A	bl
440-194763-1	M-25-20171018	1,2,3,4,7,8-HxCDD 1,2,3,4,6,7,8-HpCDD 1,2,3,4,6,7,8-HpCDF 1,2,3,4,7,8,9-HpCDF OCDD OCDF Total HxCDD Total HpCDD Total HpCDF	1.6J pg/L 0.94J pg/L 2.7J pg/L 1.0J pg/L 2.6J pg/L 6.0J pg/L 3.5J pg/L 2.0J pg/L 3.7J pg/L	A	bl
440-194771-2	M-203-20171020	1,2,3,4,6,7,8-HpCDD 1,2,3,4,6,7,8-HpCDF 1,2,3,4,7,8,9-HpCDF OCDF Total HpCDD Total HpCDF	1.6J pg/L 1.7J pg/L 0.58J pg/L 5.2J pg/L 3.2J pg/L 4.3J pg/L	A	bl
440-194771-2	M-5D-20171020	1,2,3,4,7,8-HxCDD 1,2,3,4,6,7,8-HpCDD 1,2,3,4,6,7,8-HpCDF OCDD OCDF Total HxCDD Total HpCDD Total HpCDF	1.1J pg/L 0.76J pg/L 0.56J pg/L 4.4J pg/L 0.77J pg/L 3.9J pg/L 1.8J pg/L 0.56J pg/L	A	bl

SDG	Sample	Compound	Modified Final Concentration	A or P	Code
440-194771-2	MW-16-20171020	1,2,3,4,7,8-HxCDD 1,2,3,4,6,7,8-HpCDD 1,2,3,4,6,7,8-HpCDF OCDD OCDF Total HxCDD Total HpCDD Total HpCDF	1.5J pg/L 0.86J pg/L 1.1J pg/L 2.7J pg/L 2.1J pg/L 1.5J pg/L 1.9J pg/L 1.1J pg/L	A	bl
440-195438-2	M-21D-20171101	OCDD	1.6J pg/L	A	bl
440-195603-2	M-204-20171102	1,2,3,4,7,8-HxCDD OCDD Total HxCDD Total HpCDD	0.84J pg/L 7.9J pg/L 0.84J pg/L 1.3J pg/L	A	bl
440-195605-2	M-216-20171102	1,2,3,4,7,8-HxCDD Total HxCDD Total HpCDD	1.3J pg/L 1.3J pg/L 2.0J pg/L	A	bl
440-195817-2	M-211-20171106	1,2,3,4,7,8-HxCDD 1,2,3,4,6,7,8-HpCDD 1,2,3,4,7,8,9-HpCDF OCDD Total HxCDD Total HpCDD	1.2J pg/L 1.0J pg/L 2.1J pg/L 5.4J pg/L 1.2J pg/L 2.2J pg/L	A	bl

**NERT, Soil and Groundwater RI Sampling Phase 2, July through November 2017  
Polychlorinated Dioxins/Dibenzofurans - Field Blank Data Qualification Summary  
- SDGs 440-188881-2, 440-189060-2, 440-189223-2, 440-189260-2, 440-191775-2,  
440-191800-2, 440-192114-2, 440-192969-2, 440-193158-2, 440-194404-2, 440-  
194763-1, 440-194771-2, 440-195438-2, 440-195603-2, 440-195605-2, 440-195817-2**

No Sample Data Qualified in these SDGs

**ATTACHMENT I**  
**Metals DVR**

**Metals by Environmental Protection Agency (EPA) Methods 200.7/200.8 and SW 846 Methods 6010B/6020A/7471A**

**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 Filtration	Required Holding Time From Sample Collection Until Filtration	Flag	A or P
440-190675-1	PC-40-20170821	Chromium	10 days	48 hours	UJ (all non-detects)	A

**II. ICPMS Tune**

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

ICP-MS tune data were not reviewed for Stage 2A validation.

**III. Instrument Calibration**

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

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.

**IV. ICP Interference Check Sample Analysis**

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

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

**V. Laboratory Blanks**

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

\*Samples underwent Stage 2A  
\*\*Samples underwent Stage 4 validation  
Samples appended with "F" were analyzed for dissolved metals.



SDG	Blank ID	Analyte	Maximum Concentration	Associated Samples
440-189060-1	PB (prep blank)	Iron	7.66 mg/Kg	RI-14-5.0-20170726 RI-14-10.0-20170726 RI-14-20.0-20170726 RI-14-30.0-20170726
440-189223-1	ICB/CCB	Lead	0.00472 mg/L	RI-15-5.0-20170728** RI-15-10.0-20170728** RI-15-20.0-20170728**
440-192114-1	PB (prep blank)	Sodium	0.266 mg/L	PC-193-20170913 <sup>F*</sup> M-211-20170913 <sup>F*</sup>
440-192217-1	PB (prep blank)	Sodium	0.266 mg/L	M-235-20170914 <sup>F*</sup> PC-163-20170914 <sup>F*</sup>
440-192253-1	PB (prep blank)	Sodium	0.266 mg/L	All samples in SDG 440-192253-1
440-192338-1	PB (prep blank)	Sodium	0.266 mg/L	All samples in SDG 440-192338-1
440-194107-1	PB (prep blank)	Sodium	0.266 mg/L	PC-197-20171011 <sup>F</sup> PC-178-20171011 <sup>F</sup> PC-178-20171011-FD <sup>F</sup> M-225-20171011 <sup>F</sup> M-223-20171011 <sup>F</sup> M-93-20171011 <sup>F</sup>
440-194219-1	PB (prep blank)	Sodium	0.266 mg/L	All samples in SDG 440-194219-1
440-194771-1	PB (prep blank)	Sodium	0.293 mg/L	M-202-20171020 <sup>F</sup> M-125D-20171020 <sup>F</sup> M-203-20171020 <sup>F</sup> PC-157B-20171020 <sup>F</sup> PC-157A-20171020 <sup>F</sup> M-5D-20171020 <sup>F</sup>
440-194865-1	PB (prep blank)	Sodium	0.293 mg/L	All samples in SDG 440-194865-1
440-194997-1	PB (prep blank)	Sodium Iron	0.449 mg/L 0.189 mg/L	MC-65R-20171025 PC-73-20171025 H-49R-20171025 MC-62-20171025

SDG	Blank ID	Analyte	Maximum Concentration	Associated Samples
440-195219-1	PB (prep blank)	Sodium	0.314 mg/L	M-44-20171027 M-152-20171027 PC-71-20171027 H-58R-20171027 M-242-20171027 M-243-20171027 M-244-20171027 M-246-20171027 PC-171-20171027
440-195333-1	PB (prep blank)	Sodium	0.385 mg/L	PC-174-20171030 PC-195-20171030 PC-179-20171030 PC-190-20171030
440-195336-1	PB (prep blank)	Sodium	0.385 mg/L	PC-166-20171030 PC-167-20171030 PC-169-20171030 PC-164-20171030
440-195437-1	PB (prep blank)	Sodium	0.381 mg/L	PC-165-20171101 PC-165-20171101-FD PC-191-20171101 PC-191-20171101-EB PC-178-20171101 PC-195-20171101 PC-196-20171101
440-195438-1	PB (prep blank)	Sodium	0.381 mg/L	M-239-20171101 M-239-20171101-FD M-240-20171101 M-200-20171101 M-233-20171101 M-21D-20171101
440-195603-1	PB (prep blank)	Sodium	0.381 mg/L	PC-197-20171102 PC-175-20171102 PC-189-20171102 PC-188-20171102 M-204-20171102
440-195605-1	PB (prep blank)	Sodium	0.381 mg/L	M-83D-20171102 M-216-20171102
440-195605-1	PB (prep blank)	Sodium Magnesium	0.546 mg/L 0.0138 mg/L	M-217-20171102 M-218-20171102 M-220-20171102
440-195714-1	PB (prep blank)	Sodium	0.312 mg/L	M-149-20171103 <sup>F</sup> M-186D-20171103 <sup>F</sup> M-214-20171103 <sup>F</sup>

SDG	Blank ID	Analyte	Maximum Concentration	Associated Samples
440-195714-1	PB (prep blank)	Sodium Magnesium	0.546 mg/L 0.0138 mg/L	M-149-20171103 M-186D-20171103 M-186D-20171103-FB M-214-20171103 M-214-20171103-EB
440-195947-1	PB (prep blank)	Magnesium Lead	0.0113 mg/L 0.00414 mg/L	M-231-20171107 <sup>F</sup> M-231-20171107-FD <sup>F</sup> M-230-20171107 <sup>F</sup> M-230-20171107-FD <sup>F</sup> M-229-20171107 <sup>F</sup> M-229-20171107-EB <sup>F</sup> M-229-20171107-FB <sup>F</sup> M-223-20171107 <sup>F</sup> M-223-20171107-FB <sup>F</sup>
440-195947-1	PB (prep blank)	Magnesium Sodium	0.0332 mg/L 0.653 mg/L	M-229-20171107-FB M-223-20171107 M-223-20171107-FB
440-195949-1	PB (prep blank)	Magnesium Lead	0.0113 mg/L 0.00414 mg/L	M-236-20171107 <sup>F</sup> M-236-20171107-FB <sup>F</sup> M-213-20171107 <sup>F</sup> M-225-20171107 <sup>F</sup> M-225-20171107-EB <sup>F</sup>
440-195949-1	PB (prep blank)	Magnesium Sodium	0.0137 mg/L 0.653 mg/L	M-236-20171107 M-213-20171107

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
440-195714-1	M-186D-20171103-FB	Sodium	0.86 mg/L	0.86J+ mg/L
440-195714-1	M-214-20171103-EB	Sodium	3.2 mg/L	3.2J+ mg/L

## VI. Field Blanks

Samples M-195-100.0-20170717-EB\* (from SDG 440-188490-1), M-195-130.0-20170718-EB\* (from SDG 440-188535-1), RI-6-120.0-20170725-EB\*, RI-6-130.0-20170725-EB\* (both from SDG 440-188942-1), RI-14-50.0-20170726-EB\* (from SDG 440-189060-1), RI-14-90.0-20170727-EB\* and RI-14-100.0-20170727-EB\* (both from SDG 440-189140-1), RI-15-110.0-20170731-EB\* (from SDG 440-189289-1), PCDB-12-

10.0-20170814-EB\*, PCDB-12-50.0-20170814-EB\* (both from SDG 440-190277-1), PC-71-20170824-EB\* (from SDG 440-190949-1), M-205-20170906-EB\*, M-205-20170906-EB<sup>F</sup>\* (both from SDG 440-191584-1), PC-162-20170913-EB<sup>F</sup>\* (from SDG 440-192106-1), PCDB-8-50.0-20170920-EB\* (from SDG 440-192628-1), M-214-20171017-EB, M-214-20171017-EB<sup>F</sup> (both from SDG 440-194474-1), PC-187-20171024-EB, PC-187-20171024-EB<sup>F</sup> (both from SDG 440-194905-1), PC-37-20171025-EB, PC-37-20171025-EB<sup>F</sup> (both from SDG 440-194993-1), PC-191-20171101-EB, PC-191-20171101-EB<sup>F</sup> (both from SDG 440-195437-1), M-214-20171103-EB, M-214-20171103-EB<sup>F</sup> (both from SDG 440-195714-1), M-229-20171107-EB, M-229-20171107-EB<sup>F</sup> (both from SDG 440-195947-1), M-225-20171107-EB, and M-225-20171107-EB<sup>F</sup> (both from SDG 440-195949-1) were identified as equipment blanks. No contaminants were found with the following exceptions:

SDG	Blank ID	Collection Date	Analyte	Concentration	Associated Samples
440-188490-1	M-195-100.0-20170717-EB*	07/17/17	Chromium	2.9 ug/L	M-195-100.0-20170717
440-188942-1	RI-6-120.0-20170725-EB*	07/25/17	Chromium	2.5 ug/L	RI-6-120.0-20170725
440-188942-1	RI-6-130.0-20170725-EB*	07/25/17	Chromium	2.5 ug/L	RI-6-130.0-20170725
440-189060-1	RI-14-50.0-20170726-EB*	07/26/17	Chromium	2.7 ug/L	RI-14-50.0-20170726
440-189289-1	RI-15-110.0-20170731-EB*	07/31/17	Chromium	4.2 ug/L	RI-15-110.0-20170731** RI-15-110.0-20170731-FD**
440-194474-1	M-214-20171017-EB <sup>F</sup>	10/17/17	Aluminum Calcium Chromium Iron Magnesium Potassium Sodium	0.23 mg/L 1.7 mg/L 0.013 mg/L 0.16 mg/L 0.16 mg/L 0.28 mg/L 3.5 mg/L	M-214-20171017 <sup>F</sup>
440-194905-1	PC-187-20171024-EB	10/24/17	Calcium Magnesium Sodium	0.15 mg/L 0.034 mg/L 0.36 mg/L	PC-187-20171024 PC-187-20171024-FD
440-194905-1	PC-187-20171024-EB <sup>F</sup>	10/24/17	Calcium Magnesium Sodium	0.23 mg/L 0.068 mg/L 1.3 mg/L	PC-187-20171024 <sup>F</sup> PC-187-20171024-FD <sup>F</sup>
440-194993-1	PC-37-20171025-EB	10/25/17	Calcium Magnesium Sodium	0.27 mg/L 0.027 mg/L 0.68 mg/L	PC-37-20171025
440-194993-1	PC-37-20171025-EB <sup>F</sup>	10/25/17	Calcium Magnesium Sodium	0.28 mg/L 0.029 mg/L 1.1 mg/L	PC-37-20171025 <sup>F</sup>

SDG	Blank ID	Collection Date	Analyte	Concentration	Associated Samples
440-195437-1	PC-191-20171101-EB	11/01/17	Calcium Magnesium Sodium	0.27 mg/L 0.022 mg/L 0.71 mg/L	PC-191-20171101
440-195437-1	PC-191-20171101-EB <sup>F</sup>	11/01/17	Calcium Magnesium Sodium	0.30 mg/L 0.023 mg/L 0.74 mg/L	PC-191-20171101 <sup>F</sup>
440-195714-1	M-214-20171103-EB	11/03/17	Aluminum Calcium Chromium Iron Magnesium Sodium	0.27 mg/L 1.7 mg/L 0.0042 mg/L 0.19 mg/L 0.13 mg/L 3.2 mg/L	M-214-20171103
440-195714-1	M-214-20171103-EB <sup>F</sup>	11/03/17	Aluminum Calcium Chromium Iron Magnesium Sodium	0.27 mg/L 1.7 mg/L 0.0029 mg/L 0.12 mg/L 0.13 mg/L 3.2 mg/L	M-214-20171103 <sup>F</sup>
440-195947-1	M-229-20171107-EB	11/07/17	Aluminum Calcium Chromium Iron Potassium Magnesium Sodium	0.26 mg/L 1.8 mg/L 0.0029 mg/L 0.19 mg/L 0.32 mg/L 0.19 mg/L 4.3 mg/L	M-229-20171107
440-195947-1	M-229-20171107-EB <sup>F</sup>	11/07/17	Aluminum Calcium Chromium Iron Magnesium Sodium	0.21 mg/L 1.7 mg/L 0.0030 mg/L 0.17 mg/L 0.14 mg/L 3.6 mg/L	M-229-20171107 <sup>F</sup>
440-195949-1	M-225-20171107-EB	11/07/17	Calcium Magnesium Sodium	0.38 mg/L 0.020 mg/L 0.66 mg/L	M-225-20171107
440-195949-1	M-225-20171107-EB <sup>F</sup>	11/07/17	Calcium Magnesium Sodium	0.40 mg/L 0.024 mg/L 0.72 mg/L	M-225-20171107 <sup>F</sup>

Samples PC-184-20170912-FB<sup>F\*</sup> (from SDG 440-192009-1), PC-165-20170929-FB<sup>F\*</sup> (from SDG 440-193226-1), M-233-20171016-FB, M-233-20171016-FB<sup>F</sup> (both from SDG 440-194404-1), PC-187-20171024-FB, PC-187-20171024-FB<sup>F</sup> (both from SDG 440-194905-1), PC-170-20171024-FB, PC-170-20171024-FB<sup>F</sup> (both from SDG 440-194908-1), M-186D-20171103-FB, M-186D-20171103-FB<sup>F</sup> (both from SDG 440-195714-1), M-229-20171107-FB, M-223-20171107-FB, M-229-20171107-FB<sup>F</sup>, M-223-20171107-FB<sup>F</sup> (all four from SDG 440-195947-1), M-236-20171107-FB, and M-236-20171107-FB<sup>F</sup>

(both from SDG 440-195949-1) were identified as field blanks. No contaminants were found with the following exceptions:

SDG	Blank ID	Collection Date	Analyte	Concentration	Associated Samples
440-193226-1	PC-165-20170929-FB <sup>F*</sup>	09/29/17	Calcium Magnesium Sodium	0.10 mg/L 0.022 mg/L 0.37 mg/L	PC-165-20170929 <sup>F*</sup>
440-194404-1	M-233-20171016-FB <sup>F</sup>	10/16/17	Calcium Magnesium Sodium	0.23 mg/L 0.024 mg/L 1.0 mg/L	M-233-20171016 <sup>F</sup>
440-194905-1	PC-187-20171024-FB	10/24/17	Calcium Magnesium Sodium	0.21 mg/L 0.020 mg/L 0.50 mg/L	PC-187-20171024 PC-187-20171024-FD
440-194905-1	PC-187-20171024-FB <sup>F</sup>	10/24/17	Calcium Magnesium Sodium Aluminum	0.43 mg/L 0.034 mg/L 1.3 mg/L 0.053 mg/L	PC-187-20171024 <sup>F</sup> PC-187-20171024-FD <sup>F</sup>
440-194908-1	PC-170-20171024-FB	10/24/17	Calcium Magnesium Sodium	0.21 mg/L 0.021 mg/L 0.49 mg/L	PC-170-20171024
440-194908-1	PC-170-20171024-FB <sup>F</sup>	10/24/17	Calcium Magnesium Sodium	0.19 mg/L 0.020 mg/L 0.87 mg/L	PC-170-20171024 <sup>F</sup>
440-195714-1	M-186D-20171103-FB	11/03/17	Aluminum Calcium Magnesium Sodium	0.054 mg/L 0.42 mg/L 0.025 mg/L 0.86 mg/L	M-186D-20171103
440-195714-1	M-186D-20171103-FB <sup>F</sup>	11/03/17	Aluminum Calcium Magnesium Sodium	0.093 mg/L 0.67 mg/L 0.046 mg/L 1.4 mg/L	M-186D-20171103 <sup>F</sup>
440-195947-1	M-223-20171107-FB <sup>F</sup>	11/07/17	Calcium Magnesium Sodium	0.18 mg/L 0.059 mg/L 0.90 mg/L	M-223-20171107 <sup>F</sup>
440-195949-1	M-236-20171107-FB	11/07/17	Aluminum Calcium Chromium Iron Magnesium Sodium	0.25 mg/L 1.6 mg/L 0.0034 mg/L 0.19 mg/L 0.14 mg/L 3.1 mg/L	M-236-20171107

SDG	Blank ID	Collection Date	Analyte	Concentration	Associated Samples
440-195949-1	M-236-20171107-FB <sup>F</sup>	11/07/17	Aluminum Calcium Chromium Iron Magnesium Sodium	0.23 mg/L 1.8 mg/L 0.0030 mg/L 0.18 mg/L 0.14 mg/L 3.6 mg/L	M-236-20171107 <sup>F</sup>

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
440-195949-1	M-236-20171107	Aluminum Iron	0.42 mg/L 0.16 mg/L	0.42J+ mg/L 0.16J+ mg/L

## 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
440-188881-1	RI-6-20.0-20170724MS/MSD (RI-6-20.0-20170724 RI-6-30.0-20170724)	Barium Tungsten	71 (75-125) 48 (75-125)	59 (75-125) 44 (75-125)	J- (all detects) UJ (all non-detects) J- (all detects) UJ (all non-detects)	A
440-189060-1	RI-14-5.0-20170726MS/MSD (RI-14-5.0-20170726 RI-14-10.0-20170726 RI-14-20.0-20170726 RI-14-30.0-20170726)	Strontium	129 (75-125)	-	J+ (all detects)	A
440-189060-1	RI-14-5.0-20170726MS/MSD (RI-14-5.0-20170726 RI-14-10.0-20170726 RI-14-20.0-20170726 RI-14-30.0-20170726)	Tungsten	65 (75-125)	67 (75-125)	UJ (all non-detects)	A
440-189060-3	RI-15-30.0-20170730MS/MSD (All samples in SDG 440-189060-3)	Antimony	-	68 (75-125)	UJ (all non-detects)	A

SDG	Spike ID (Associated Samples)	Analyte	MS (%R) (Limits)	MSD (%R) (Limits)	Flag	A or P
440-189223-1	RI-15-30.0-20170730MS/MSD (RI-15-5.0-20170728** RI-15-10.0-20170728** RI-15-20.0-20170728**)	Barium Tungsten	41 (75-125) 74 (75-125)	24 (75-125) -	J- (all detects) UJ (all non-detects) J- (all detects) UJ (all non-detects)	A
440-189223-3	RI-15-30.0-20170730MS/MSD (All samples in SDG 440-189223-3)	Antimony	-	68 (75-125)	UJ (all non-detects)	A
440-189260-1	RI-15-30.0-20170730MS/MSD (RI-15-30.0-20170730)	Barium Tungsten	41 (75-125) 74 (75-125)	24 (75-125) -	J- (all detects) UJ (all non-detects) J- (all detects) UJ (all non-detects)	A
440-189260-3	RI-15-30.0-20170730MS/MSD (All samples in SDG 440-189260-3)	Antimony	-	63 (75-125)	UJ (all non-detects)	A
440-190153-1	PCDB-11-20.0-20170811MS/MSD (All samples in SDG 440-190153-1)	Chromium	-	128 (75-125)	J+ (all detects)	A
440-190181-1	PCDB-10-80.0-20170813MS/MSD (PCDB-10-5.0-20170812 PCDB-10-10.0-20170812 PCDB-10-10.0-20170812-FD PCDB-10-20.0-20170812 PCDB-10-30.0-20170812 PCDB-10-40.0-20170812 PCDB-10-40.0-20170812-FD PCDB-10-50.0-20170812 PCDB-10-60.0-20170812 PCDB-10-70.0-20170813 PCDB-10-70.0-20170813-FD PCDB-10-80.0-20170813)	Chromium	140 (75-125)	137 (75-125)	J+ (all detects)	A
440-194700-1	M-36D-20171018 <sup>F</sup> MS/MSD (PC-155A-20171019 <sup>F</sup> PC-155A-20171019-FD <sup>F</sup> )	Aluminum	147 (70-130)	-	J+ (all detects)	A
440-194703-1	PC-153R-20171019 <sup>F</sup> MS/MSD (PC-153R-20171019 <sup>F</sup> )	Aluminum Iron	426 (70-130) 264 (70-130)	176 (70-130) -	J+ (all detects) J+ (all detects)	A
440-194905-1	PC-185-20171024MS/MSD (PC-184-20171024 PC-185-20171024 PC-187-20171024)	Aluminum	222 (70-130)	204 (70-130)	J+ (all detects)	A
440-194905-1	PC-185-20171024MS/MSD (PC-183-20171024 PC-184-20171024 PC-185-20171024 PC-187-20171024 PC-187-20171024-FD)	Boron Potassium	132 (70-130) 131 (70-130)	- -	J+ (all detects) J+ (all detects)	A



SDG	Spike ID (Associated Samples)	Analyte	MS (%R) (Limits)	MSD (%R) (Limits)	Flag	A or P
440-194905-1	PC-185-20171024MS/MSD (PC-184-20171024 PC-185-20171024)	Iron	159 (70-130)	150 (70-130)	J+ (all detects)	A
440-194908-1	PC-173-20171024MS/MSD (PC-182-20171024 PC-182-20171024-FD PC-181-20171024 PC-180-20171024 PC-173-20171024 PC-170-20171024)	Iron	66 (70-130)	67 (70-130)	J- (all detects) UJ (all non-detects)	A
440-194993-1	PC-173-20171024MS/MSD (MC-MW-37R-20171025 MC-MW-38-20171025 MC-63-20171025 PC-37-20171025)	Iron	66 (70-130)	67 (70-130)	J- (all detects) UJ (all non-detects)	A
440-194997-1	PC-173-20171024MS/MSD (MC-61-20171025)	Iron	66 (70-130)	67 (70-130)	UJ (all non-detects)	A
440-195149-1	H-56R-20171026MS/MSD (H-56A-20171026 H-49A-20171026 H-58A-20171026 PC-40-20171026 H-56R-20171026 H-56A-20171026 <sup>F</sup> H-48-20171026 <sup>F</sup> H-49A-20171026 <sup>F</sup> H-58A-20171026 <sup>F</sup> PC-40-20171026 <sup>F</sup> H-56R-20171026 <sup>F</sup> )	Boron	146 (70-130)	134 (70-130)	J+ (all detects)	A
440-195368-1	PC-162-20171031MS/MSD (PC-163-20171031)	Aluminum	131 (70-130)	133 (70-130)	J+ (all detects)	A

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

SDG	Spike ID (Associated Samples)	Analyte	RPD (Limits)	Flag	A or P
440-189223-1	RI-15-30.0-20170730MS/MSD (RI-15-5.0-20170728** RI-15-10.0-20170728** RI-15-20.0-20170728**)	Strontium	23 (≤20)	J (all detects)	A
440-189260-1	RI-15-30.0-20170730MS/MSD (RI-15-30.0-20170730)	Strontium	23 (≤20)	J (all detects)	A

SDG	Spike ID (Associated Samples)	Analyte	RPD (Limits)	Flag	A or P
440-194569-1	M-36D-20171018 <sup>F</sup> MS/MSD (M-36D-20171018 <sup>F</sup> M-72D-20171018 <sup>F</sup> M-140D-20171018 <sup>F</sup> M-14D-20171018 <sup>F</sup> )	Aluminum Boron Chromium Lead Manganese Vanadium Zirconium	22 (≤20) 25 (≤20) 25 (≤20) 23 (≤20) 23 (≤20) 23 (≤20) 26 (≤20)	J (all detects) UJ (all non-detects)	A
440-194697-1	M-36D-20171018 <sup>F</sup> MS/MSD (M-228-20171019 <sup>F</sup> )	Aluminum Boron Chromium Lead Manganese Vanadium Zirconium	22 (≤20) 25 (≤20) 25 (≤20) 23 (≤20) 23 (≤20) 23 (≤20) 26 (≤20)	J (all detects) UJ (all non-detects)	A
440-194700-1	M-36D-20171018 <sup>F</sup> MS/MSD (PC-155A-20171019 <sup>F</sup> PC-155A-20171019-FD <sup>F</sup> PC-155B-20171019 <sup>F</sup> PC-156A-20171019 <sup>F</sup> PC-156B-20171019 <sup>F</sup> )	Aluminum Boron Chromium Lead Manganese Vanadium Zirconium	22 (≤20) 25 (≤20) 25 (≤20) 23 (≤20) 23 (≤20) 23 (≤20) 26 (≤20)	J (all detects) UJ (all non-detects)	A
440-194703-1	PC-153R-20171019FMS/MSD (All samples in SDG 440-194703-1)	Aluminum  Iron	45 (≤20)  37 (≤20)	J (all detects) UJ (all non-detects) J (all detects) UJ (all non-detects)	A

### VIII. Duplicate Sample Analysis

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

### IX. Serial Dilution

Serial dilution analysis was performed on an associated project sample. Percent differences (%D) were within QC limits with the following exceptions:

SDG	Diluted Sample	Analyte	%D (Limits)	Associated Samples	Flag	A or P
440-189060-1	RI-14-5.0-20170726	Iron Manganese	21 (≤10) 24 (≤10)	RI-14-5.0-20170726 RI-14-10.0-20170726 RI-14-20.0-20170726 RI-14-30.0-20170726	J (all detects) J (all detects)	A
440-189223-1	RI-15-30.0-20170730	Phosphorus Strontium	21 (≤10) 21 (≤10)	RI-15-5.0-20170728** RI-15-10.0-20170728** RI-15-20.0-20170728**	J (all detects) J (all detects)	A

SDG	Diluted Sample	Analyte	%D (Limits)	Associated Samples	Flag	A or P
440-189260-1	RI-15-30.0-20170730	Phosphorus Strontium	21 (≤10) 21 (≤10)	RI-15-30.0-20170730	J (all detects) J (all detects)	A

## X. Laboratory Control Samples/Standard Reference Material

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

Standard reference materials (SRM) were analyzed as required by the methods. The results were within QC limits.

## XI. Field Duplicates

Samples M-197-120.0-20170712 and M-197-120.0-20170712-FD (both from SDG 440-188296-1), samples RI-6-90.0-20170725 and RI-6-90.0-20170725-FD (both from SDG 440-188942-1), samples RI-14-70.0-20170726 and RI-14-70.0-20170726-FD (both from SDG 440-189060-1), samples RI-14-100.0-20170727 and RI-14-100.0-20170727-FD (both from SDG 440-189140-1), samples RI-15-90.0-20170730 and RI-15-90.0-20170730-FD (both from SDG 440-189260-1), samples RI-15-110.0-20170731\*\* and RI-15-110.0-20170731-FD\*\* (both from SDG 440-189289-1), samples PCDB-11-10.0-20170811 and PCDB-11-10.0-20170811-FD (both from SDG 440-190153-1), samples PCDB-11-40.0-20170811 and PCDB-11-40.0-20170811-FD (both from SDG 440-190153-1), samples PCDB-11-80.0-20170811 and PCDB-11-80.0-20170811-FD (both from SDG 440-190153-1), samples PCDB-10-10.0-20170812 and PCDB-10-10.0-20170812-FD (both from SDG 440-190181-1), samples PCDB-10-40.0-20170812 and PCDB-10-40.0-20170812-FD (both from SDG 440-190181-1), samples PCDB-10-70.0-20170813 and PCDB-10-70.0-20170813-FD (both from SDG 440-190181-1), samples PCDB-13-10.0-20170813 and PCDB-13-10.0-20170813-FD (both from SDG 440-190181-1), samples PCDB-13-40.0-20170813 and PCDB-13-40.0-20170813-FD (both from SDG 440-190181-1), samples PCDB-13-80.0-20170814 and PCDB-13-80.0-20170814-FD (both from SDG 440-190277-1), samples PCDB-12-20.0-20170814 and PCDB-12-20.0-20170814-FD (both from SDG 440-190277-1), samples PCDB-12-60.0-20170814 and PCDB-12-60.0-20170814-FD (both from SDG 440-190277-1), samples PCDB-5-20.0-20170815 and PCDB-5-20.0-20170815-FD (both from SDG 440-190318-1), samples PCDB-5-60.0-20170815 and PCDB-5-60.0-20170815-FD (both from SDG 440-190318-1), samples PCDB-12-90.0-20170814 and PCDB-12-90.0-20170814-FD (both from SDG 440-190318-1), samples H-49A-20170822\* and H-49A-20170822-FD\* (both from SDG 440-190751-1), samples PC-72-20170824\* and PC-72-20170824-FD\* (both from SDG 440-190949-1), samples PCDB-14-20.0-20170826 and PCDB-14-20.0-20170826-FD (both from SDG 440-191076-1), samples PCDB-14-50.0-20170826 and PCDB-14-50.0-20170826-FD (both from SDG 440-191076-1), samples PCDB-14-80.0-20170826 and PCDB-14-80.0-20170826-FD (both from SDG 440-191076-1), samples M-236-20170906\* and M-236-20170906-FD\* (both from SDG 440-191584-1), samples

M-236-20170906<sup>F\*</sup> and M-236-20170906-FD<sup>F\*</sup> (both from SDG 440-191584-1), samples M-243-20170908\* and M-243-20170908-FD\* (both from SDG 440-191775-1), samples M-243-20170908<sup>F\*</sup> and M-243-20170908-FD<sup>F\*</sup> (both from SDG 440-191775-1), samples PC-173-20170911<sup>F\*</sup> and PC-173-20170911-FD<sup>F\*</sup> (both from SDG 440-191907-1), samples PCDB-9-30.0-20170919\*\* and PCDB-9-30.0-20170919-FD\*\* (both from SDG 440-192570-1), samples PCDB-9-80.0-20170919\*\* and PCDB-9-80.0-20170919-FD\*\* (both from SDG 440-192570-1), samples PCDB-8-20.0-20170920 and PCDB-8-20.0-20170920-FD (both from SDG 440-192628-1), samples PC-194-20170927<sup>F\*</sup> and PC-194-20170927-FD<sup>F\*</sup> (both from SDG 440-193060-1), samples PC-178-20171011<sup>F</sup> and PC-178-20171011-FD<sup>F</sup> (both from SDG 440-194107-1), samples PC-155A-20171019 and PC-155A-20171019-FD (both from SDG 440-194700-1), samples PC-155A-20171019<sup>F</sup> and PC-155A-20171019-FD<sup>F</sup> (both from SDG 440-194700-1), samples PC-187-20171024 and PC-187-20171024-FD (both from SDG 440-19405-1), samples PC-187-20171024<sup>F</sup> and PC-187-20171024-FD<sup>F</sup> (both from SDG 440-194905-1), samples PC-182-20171024 and PC-182-20171024-FD (both from SDG 440-194908-1), samples PC-182-20171024<sup>F</sup> and PC-182-20171024-FD<sup>F</sup> (both from SDG 440-194908-1), samples PC-72-20171026 and PC-72-20171026-FD (both from SDG 440-195152-1), samples PC-72-20171026<sup>F</sup> and PC-72-20171026-FD<sup>F</sup> (both from SDG 440-195152-1), samples PC-162-20171031 and PC-162-20171031-FD (both from SDG 440-195368-1), samples PC-161-20171031 and PC-161-20171031-FD (both from SDG 440-195368-1), samples PC-162-20171031<sup>F</sup> and PC-162-20171031-FD<sup>F</sup> (both from SDG 440-195368-1), samples PC-161-20171031<sup>F</sup> and PC-161-20171031-FD<sup>F</sup> (both from SDG 440-195368-1), samples PC-165-20171101 and PC-165-20171101-FD (both from SDG 440-195437-1), samples PC-165-20171101<sup>F</sup> and PC-165-20171101-FD<sup>F</sup> (both from SDG 440-195437-1), samples M-239-20171101 and M-239-20171101-FD (both from SDG 440-195438-1), samples M-239-20171101<sup>F</sup> and M-239-20171101-FD<sup>F</sup> (both from SDG 440-195438-1), samples M-239-20171101 and M-239-20171101-FD (both from SDG 440-195735-1), samples M-209-20171106 and M-209-20171106-FD (both from SDG 440-195817-1), samples M-209-20171106<sup>F</sup> and M-209-20171106-FD<sup>F</sup> (both from SDG 440-195817-1), samples M-234-20171106 and M-234-20171106-FD (both from SDG 440-195823-1), samples M-234-20171106<sup>F</sup> and M-234-20171106-FD<sup>F</sup> (both from SDG 440-195823-1), samples M-231-20171107 and M-231-20171107-FD (both from SDG 440-195947-1), samples M-230-20171107 and M-230-20171107-FD (both from SDG 440-195947-1), samples M-231-20171107<sup>F</sup> and M-231-20171107-FD<sup>F</sup> (both from SDG 440-195947-1), and samples M-230-20171107<sup>F</sup> and M-230-20171107-FD<sup>F</sup> (both from SDG 440-195947-1) were identified as field duplicates. No results were detected in any of the samples with the following exceptions:

SDG	Analyte	Concentration (mg/Kg)		RPD (Limits)	Flag	A or P
		M-197-120.0-20170712	M-197-120.0-20170712-FD			
440-188296-1	Chromium	23	25	8 (≤50)	-	-

SDG	Analyte	Concentration (mg/Kg)		RPD (Limits)	Flag	A or P
		RI-6-90.0-20170725	RI-6-90.0-20170725-FD			
440-188942-1	Chromium	61	120	65 (≤50)	J (all detects)	A

SDG	Analyte	Concentration (mg/Kg)		RPD (Limits)	Flag	A or P
		RI-14-70.0-20170726	RI-14-70.0-20170726-FD			
440-189060-1	Chromium	34	37	8 (≤50)	-	-

SDG	Analyte	Concentration (mg/Kg)		RPD (Limits)	Flag	A or P
		RI-14-100.0-20170727	RI-14-100.0-20170727-FD			
440-189140-1	Chromium	28	26	7 (≤50)	-	-

SDG	Analyte	Concentration (mg/Kg)		RPD (Limits)	Flag	A or P
		RI-15-90.0-20170730	RI-15-90.0-20170730-FD			
440-189260-1	Chromium	25	27	8 (≤50)	-	-

SDG	Analyte	Concentration (mg/Kg)		RPD (Limits)	Flag	A or P
		RI-15-110.0-20170731**	RI-15-110.0-20170731-FD**			
440-189289-1	Chromium	19	17	11 (≤50)	-	-

SDG	Analyte	Concentration (mg/Kg)		RPD (Limits)	Flag	A or P
		PCDB-11-10.0-20170811	PCDB-11-10.0-20170811-FD			
440-190153-1	Chromium	17	21	21 (≤50)	-	-

SDG	Analyte	Concentration (mg/Kg)		RPD (Limits)	Flag	A or P
		PCDB-11-40.0-20170811	PCDB-11-40.0-20170811-FD			
440-190153-1	Chromium	19	21	10 (≤50)	-	-

SDG	Analyte	Concentration (mg/Kg)		RPD (Limits)	Flag	A or P
		PCDB-11-80.0-20170811	PCDB-11-80.0-20170811-FD			
440-190153-1	Chromium	26	24	8 (≤50)	-	-

SDG	Analyte	Concentration (mg/Kg)		RPD (Limits)	Flag	A or P
		PCDB-10-10.0-20170812	PCDB-10-10.0-20170812-FD			
440-190181-1	Chromium	21	19	10 (≤50)	-	-

SDG	Analyte	Concentration (mg/Kg)		RPD (Limits)	Flag	A or P
		PCDB-10-40.0-20170812	PCDB-10-40.0-20170812-FD			
440-190181-1	Chromium	29	27	7 (≤50)	-	-

SDG	Analyte	Concentration (mg/Kg)		RPD (Limits)	Flag	A or P
		PCDB-10-70.0-20170813	PCDB-10-70.0-20170813-FD			
440-190181-1	Chromium	30	23	26 (≤50)	-	-

SDG	Analyte	Concentration (mg/Kg)		RPD (Limits)	Flag	A or P
		PCDB-13-10.0-20170813	PCDB-13-10.0-20170813-FD			
440-190181-1	Chromium	24	21	13 (≤50)	-	-

SDG	Analyte	Concentration (mg/Kg)		RPD (Limits)	Flag	A or P
		PCDB-13-40.0-20170813	PCDB-13-40.0-20170813-FD			
440-190181-1	Chromium	35	35	0 (≤50)	-	-

SDG	Analyte	Concentration (mg/Kg)		RPD (Limits)	Flag	A or P
		PCDB-13-80.0-20170814	PCDB-13-80.0-20170814-FD			
440-190277-1	Chromium	17	19	11 (≤50)	-	-

SDG	Analyte	Concentration (mg/Kg)		RPD (Limits)	Flag	A or P
		PCDB-12-20.0-20170814	PCDB-12-20.0-20170814-FD			
440-190277-1	Chromium	22	26	17 (≤50)	-	-

SDG	Analyte	Concentration (mg/Kg)		RPD (Limits)	Flag	A or P
		PCDB-12-60.0-20170814	PCDB-12-60.0-20170814-FD			
440-190277-1	Chromium	14	20	35 (≤50)	-	-

SDG	Analyte	Concentration (mg/Kg)		RPD (Limits)	Flag	A or P
		PCDB-5-20.0-20170815	PCDB-5-20.0-20170815-FD			
440-190318-1	Chromium	13	17	27 (≤50)	-	-

SDG	Analyte	Concentration (mg/Kg)		RPD (Limits)	Flag	A or P
		PCDB-5-60.0-20170815	PCDB-5-60.0-20170815-FD			
440-190318-1	Chromium	27	28	4 (≤50)	-	-

SDG	Analyte	Concentration (mg/Kg)		RPD (Limits)	Flag	A or P
		PCDB-12-90.0-20170814	PCDB-12-90.0-20170814-FD			
440-190318-1	Chromium	25	25	0 (≤50)	-	-

SDG	Analyte	Concentration (mg/L)		RPD (Limits)	Flag	A or P
		PC-72-20170824*	PC-72-20170824-FD*			
440-190949-1	Chromium	0.19	0.18	5 (≤30)	-	-

SDG	Analyte	Concentration (mg/Kg)		RPD (Limits)	Flag	A or P
		PCDB-14-20.0-20170826	PCDB-14-20.0-20170826-FD			
440-191076-1	Chromium	20	23	14 (≤50)	-	-

SDG	Analyte	Concentration (mg/Kg)		RPD (Limits)	Flag	A or P
		PCDB-14-50.0-20170826	PCDB-14-50.0-20170826-FD			
440-191076-1	Chromium	21	22	5 (≤50)	-	-

SDG	Analyte	Concentration (mg/Kg)		RPD (Limits)	Flag	A or P
		PCDB-14-80.0-20170826	PCDB-14-80.0-20170826-FD			
440-191076-1	Chromium	32	33	3 (≤50)	-	-

SDG	Analyte	Concentration (ug/L)		RPD (Limits)	Flag	A or P
		M-236-20170906*	M-236-20170906-FD*			
440-191584-1	Uranium	6.1	6.0	2 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		M-236-20170906 <sup>F*</sup>	M-236-20170906-FD <sup>F*</sup>			
440-191584-1	Boron	1.2 mg/L	1.2 mg/L	0 (≤30)	-	-
	Arsenic	21 ug/L	22 ug/L	5 (≤30)	-	-
	Calcium	84 mg/L	82 mg/L	2 (≤30)	-	-
	Chromium	0.011 mg/L	0.011 mg/L	0 (≤30)	-	-
	Magnesium	42 mg/L	41 mg/L	2 (≤30)	-	-
	Manganese	0.019 mg/L	0.019 mg/L	0 (≤30)	-	-
	Potassium	9.0 mg/L	8.8 mg/L	2 (≤30)	-	-
	Sodium	220 mg/L	210 mg/L	5 (≤30)	-	-
	Strontium	2.1 mg/L	2.1 mg/L	0 (≤30)	-	-
	Vanadium	0.012 mg/L	0.012 mg/L	0 (≤30)	-	-



SDG	Analyte	Concentration (ug/L)		RPD (Limits)	Flag	A or P
		M-243-20170908*	M-243-20170908-FD*			
440-191775-1	Uranium	5.5	5.6	2 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		M-243-20170908 <sup>F*</sup>	M-243-20170908-FD <sup>F*</sup>			
440-191775-1	Boron	2.0 mg/L	2.0 mg/L	0 (≤30)	-	-
	Arsenic	41 ug/L	40 ug/L	2 (≤30)	-	-
	Calcium	470 mg/L	470 mg/L	0 (≤30)	-	-
	Magnesium	330 mg/L	330 mg/L	0 (≤30)	-	-
	Manganese	0.32 mg/L	0.32 mg/L	0 (≤30)	-	-
	Potassium	23 mg/L	23 mg/L	0 (≤30)	-	-
	Sodium	650 mg/L	650 mg/L	0 (≤30)	-	-
	Strontium	15 mg/L	15 mg/L	0 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		PC-173-20170911 <sup>F*</sup>	PC-173-20170911-FD <sup>F*</sup>			
440-191907-1	Boron	2.7 mg/L	2.9 mg/L	7 (≤30)	-	-
	Arsenic	130 ug/L	140 ug/L	7 (≤30)	-	-
	Calcium	630 mg/L	640 mg/L	2 (≤30)	-	-
	Iron	0.16 mg/L	0.16 mg/L	0 (≤30)	-	-
	Magnesium	400 mg/L	410 mg/L	2 (≤30)	-	-
	Manganese	1.1 mg/L	1.1 mg/L	0 (≤30)	-	-
	Potassium	42 mg/L	43 mg/L	2 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		PC-173-20170911 <sup>F*</sup>	PC-173-20170911-FD <sup>F*</sup>			
440-191907-1	Sodium	3000 mg/L	3000 mg/L	0 (≤30)	-	-
	Strontium	19 mg/L	20 mg/L	5 (≤30)	-	-
	Vanadium	0.069 mg/L	0.071 mg/L	3 (≤30)	-	-

SDG	Analyte	Concentration (mg/Kg)		RPD (Limits)	Flag	A or P
		PCDB-9-30.0-20170919 <sup>**</sup>	PCDB-9-30.0-20170919-FD <sup>**</sup>			
440-192570-1	Chromium	28	25	11 (≤50)	-	-

SDG	Analyte	Concentration (mg/Kg)		RPD (Limits)	Flag	A or P
		PCDB-9-80.0-20170919 <sup>**</sup>	PCDB-9-80.0-20170919-FD <sup>**</sup>			
440-192570-1	Chromium	15	19	24 (≤50)	-	-

SDG	Analyte	Concentration (mg/Kg)		RPD (Limits)	Flag	A or P
		PCDB-8-20.0-20170920	PCDB-8-20.0-20170920-FD			
440-192628-1	Chromium	53	33	47 (≤50)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		PC-194-20170927 <sup>F*</sup>	PC-194-20170927-FD <sup>F*</sup>			
440-193060-1	Boron	1.1 mg/L	1.1 mg/L	0 (≤30)	-	-
	Calcium	160 mg/L	160 mg/L	0 (≤30)	-	-
	Magnesium	70 mg/L	69 mg/L	1 (≤30)	-	-
	Manganese	0.052 mg/L	0.052 mg/L	0 (≤30)	-	-
	Potassium	23 mg/L	23 mg/L	0 (≤30)	-	-
	Sodium	220 mg/L	220 mg/L	0 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		PC-194-20170927 <sup>F*</sup>	PC-194-20170927-FD <sup>F*</sup>			
440-193060-1	Strontium	6.5 mg/L	6.5 mg/L	0 (≤30)	-	-
	Arsenic	190 ug/L	190 ug/L	0 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		PC-178-20171011 <sup>F</sup>	PC-178-20171011-FD <sup>F</sup>			
440-194107-1	Boron	1.4 mg/L	1.4 mg/L	0 (≤30)	-	-
	Calcium	250 mg/L	250 mg/L	0 (≤30)	-	-
	Magnesium	110 mg/L	110 mg/L	0 (≤30)	-	-
	Potassium	38 mg/L	39 mg/L	3 (≤30)	-	-
	Sodium	310 mg/L	310 mg/L	0 (≤30)	-	-
	Strontium	7.3 mg/L	7.4 mg/L	1 (≤30)	-	-
	Vanadium	0.0062 mg/L	0.0064 mg/L	3 (≤30)	-	-
	Arsenic	60 ug/L	59 ug/L	2 (≤30)	-	-

SDG	Analyte	Concentration (ug/L)		RPD (Limits)	Flag	A or P
		PC-155A-20171019	PC-155A-20171019-FD			
440-194700-1	Uranium	25	25	0 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		PC-155A-20171019 <sup>F</sup>	PC-155A-20171019-FD <sup>F</sup>			
440-194700-1	Aluminum	0.058 mg/L	0.056 mg/L	4 (≤30)	-	-
	Boron	1.9 mg/L	1.8 mg/L	5 (≤30)	-	-
	Calcium	320 mg/L	320 mg/L	0 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		PC-155A-20171019 <sup>F</sup>	PC-155A-20171019-FD <sup>F</sup>			
440-194700-1	Magnesium	140 mg/L	140 mg/L	0 (≤30)	-	-
	Manganese	1.4 mg/L	1.4 mg/L	0 (≤30)	-	-
	Potassium	27 mg/L	28 mg/L	4 (≤30)	-	-
	Sodium	460 mg/L	470 mg/L	2 (≤30)	-	-
	Strontium	6.8 mg/L	6.9 mg/L	1 (≤30)	-	-
	Vanadium	0.022 mg/L	0.020 mg/L	10 (≤30)	-	-
	Arsenic	64 ug/L	65 ug/L	2 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		PC-187-20171024	PC-187-20171024-FD			
440-194905-1	Aluminum	0.13 mg/L	0.20U mg/L	200 (≤30)	NQ	-
	Boron	9.7 mg/L	10 mg/L	3 (≤30)	-	-
	Calcium	630 mg/L	640 mg/L	2 (≤30)	-	-
	Chromium	1.4 mg/L	1.4 mg/L	0 (≤30)	-	-
	Magnesium	350 mg/L	360 mg/L	3 (≤30)	-	-
	Potassium	26 mg/L	27 mg/L	4 (≤30)	-	-
	Sodium	1300 mg/L	1300 mg/L	0 (≤30)	-	-
	Strontium	18 mg/L	18 mg/L	0 (≤30)	-	-
	Arsenic	24 ug/L	24 ug/L	0 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		PC-187-20171024 <sup>F</sup>	PC-187-20171024-FD <sup>F</sup>			
440-194905-1	Boron	11 mg/L	11 mg/L	0 (≤30)	-	-
	Calcium	660 mg/L	660 mg/L	0 (≤30)	-	-
	Chromium	1.5 mg/L	1.4 mg/L	7 (≤30)	-	-
	Magnesium	370 mg/L	370 mg/L	0 (≤30)	-	-
	Potassium	27 mg/L	27 mg/L	0 (≤30)	-	-
	Sodium	1400 mg/L	1400 mg/L	0 (≤30)	-	-
	Strontium	19 mg/L	19 mg/L	0 (≤30)	-	-
	Arsenic	27 ug/L	27 ug/L	0 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		PC-182-20171024	PC-182-20171024-FD			
440-194908-1	Vanadium	0.019 mg/L	0.019 mg/L	0 (≤30)	-	-
	Boron	0.83 mg/L	0.82 mg/L	1 (≤30)	-	-
	Calcium	46 mg/L	45 mg/L	2 (≤30)	-	-
	Chromium	0.0074 mg/L	0.016 mg/L	74 (≤30)	J (all detects)	A
	Magnesium	28 mg/L	27 mg/L	4 (≤30)	-	-
	Potassium	7.9 mg/L	7.7 mg/L	3 (≤30)	-	-
	Sodium	190 mg/L	190 mg/L	0 (≤30)	-	-
	Strontium	1.6 mg/L	1.5 mg/L	6 (≤30)	-	-
	Arsenic	29 ug/L	28 ug/L	4 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		PC-182-20171024 <sup>F</sup>	PC-182-20171024-FD <sup>F</sup>			
440-194908-1	Boron	0.88 mg/L	0.89 mg/L	1 (≤30)	-	-
	Calcium	48 mg/L	48 mg/L	0 (≤30)	-	-
	Chromium	0.0075 mg/L	0.0082 mg/L	9 (≤30)	-	-
	Magnesium	28 mg/L	29 mg/L	4 (≤30)	-	-
	Potassium	8.1 mg/L	8.3 mg/L	2 (≤30)	-	-
	Sodium	200 mg/L	200 mg/L	0 (≤30)	-	-
	Vanadium	0.020 mg/L	0.020 mg/L	0 (≤30)	-	-
	Strontium	1.6 mg/L	1.6 mg/L	0 (≤30)	-	-
	Arsenic	34 ug/L	34 ug/L	0 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		PC-72-20171026	PC-72-20171026-FD			
440-195152-1	Vanadium	0.090 mg/L	0.089 mg/L	1 (≤30)	-	-
	Boron	6.5 mg/L	6.5 mg/L	0 (≤30)	-	-
	Calcium	740 mg/L	730 mg/L	1 (≤30)	-	-
	Chromium	0.18 mg/L	0.18 mg/L	0 (≤30)	-	-
	Magnesium	240 mg/L	240 mg/L	0 (≤30)	-	-
	Potassium	15 mg/L	15 mg/L	0 (≤30)	-	-
	Sodium	1100 mg/L	1100 mg/L	0 (≤30)	-	-
	Strontium	14 mg/L	14 mg/L	0 (≤30)	-	-
	Arsenic	220 ug/L	230 ug/L	4 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		PC-72-20171026 <sup>F</sup>	PC-72-20171026-FD <sup>F</sup>			
440-195152-1	Boron	6.4 mg/L	6.3 mg/L	2 (≤30)	-	-
	Calcium	740 mg/L	760 mg/L	3 (≤30)	-	-
	Chromium	0.17 mg/L	0.17 mg/L	0 (≤30)	-	-
	Magnesium	240 mg/L	260 mg/L	8 (≤30)	-	-
	Potassium	15 mg/L	16 mg/L	6 (≤30)	-	-
	Sodium	1100 mg/L	1100 mg/L	0 (≤30)	-	-
	Vanadium	0.087 mg/L	0.084 mg/L	4 (≤30)	-	-
	Strontium	14 mg/L	14 mg/L	0 (≤30)	-	-
	Arsenic	240 ug/L	250 ug/L	4 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		PC-162-20171031	PC-162-20171031-FD			
440-195368-1	Vanadium	0.078 mg/L	0.079 mg/L	1 (≤30)	-	-
	Boron	2.6 mg/L	2.6 mg/L	0 (≤30)	-	-
	Calcium	350 mg/L	350 mg/L	0 (≤30)	-	-
	Iron	0.12 mg/L	0.20U mg/L	200 (≤30)	NQ	-
	Magnesium	220 mg/L	220 mg/L	0 (≤30)	-	-
	Potassium	40 mg/L	38 mg/L	5 (≤30)	-	-
	Sodium	2200 mg/L	2100 mg/L	5 (≤30)	-	-
	Manganese	2.3 mg/L	2.3 mg/L	0 (≤30)	-	-
	Strontium	11 mg/L	11 mg/L	0 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		PC-162-20171031	PC-162-20171031-FD			
440-195368-1	Arsenic	140 ug/L	160 ug/L	13 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		PC-161-20171031	PC-161-20171031-FD			
440-195368-1	Boron	1.6 mg/L	1.6 mg/L	0 (≤30)	-	-
	Calcium	220 mg/L	210 mg/L	5 (≤30)	-	-
	Manganese	0.74 mg/L	0.72 mg/L	3 (≤30)	-	-
	Magnesium	100 mg/L	98 mg/L	2 (≤30)	-	-
	Potassium	23 mg/L	23 mg/L	0 (≤30)	-	-
	Sodium	700 mg/L	690 mg/L	1 (≤30)	-	-
	Vanadium	0.020 mg/L	0.020 mg/L	0 (≤30)	-	-
	Strontium	5.6 mg/L	5.4 mg/L	4 (≤30)	-	-
	Arsenic	31 ug/L	150 ug/L	131 (≤30)	J (all detects)	A

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		PC-162-20171031 <sup>F</sup>	PC-162-20171031-FD <sup>F</sup>			
440-195368-1	Vanadium	0.074 mg/L	0.075 mg/L	1 (≤30)	-	-
	Boron	2.5 mg/L	2.5 mg/L	0 (≤30)	-	-
	Calcium	330 mg/L	330 mg/L	0 (≤30)	-	-
	Magnesium	210 mg/L	210 mg/L	0 (≤30)	-	-
	Potassium	39 mg/L	37 mg/L	5 (≤30)	-	-
	Sodium	2100 mg/L	2000 mg/L	5 (≤30)	-	-



SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		PC-162-20171031 <sup>F</sup>	PC-162-20171031-FD <sup>F</sup>			
440-195368-1	Manganese	2.2 mg/L	2.2 mg/L	0 (≤30)	-	-
	Strontium	11 mg/L	11 mg/L	0 (≤30)	-	-
	Arsenic	150 ug/L	150 ug/L	0 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		PC-161-20171031 <sup>F</sup>	PC-161-20171031-FD <sup>F</sup>			
440-195368-1	Boron	1.7 mg/L	1.7 mg/L	0 (≤30)	-	-
	Calcium	230 mg/L	230 mg/L	0 (≤30)	-	-
	Manganese	0.78 mg/L	0.78 mg/L	0 (≤30)	-	-
	Magnesium	110 mg/L	110 mg/L	0 (≤30)	-	-
	Potassium	24 mg/L	25 mg/L	4 (≤30)	-	-
	Sodium	730 mg/L	750 mg/L	3 (≤30)	-	-
	Vanadium	0.021 mg/L	0.022 mg/L	5 (≤30)	-	-
	Strontium	5.9 mg/L	5.9 mg/L	0 (≤30)	-	-
	Arsenic	31 ug/L	32 ug/L	3 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		PC-165-20171101	PC-165-20171101-FD			
440-195437-1	Vanadium	0.067 mg/L	0.063 mg/L	6 (≤30)	-	-
	Aluminum	4.5 mg/L	0.85 mg/L	136 (≤30)	J (all detects)	A
	Boron	1.7 mg/L	1.7 mg/L	0 (≤30)	-	-
	Calcium	300 mg/L	310 mg/L	3 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		PC-165-20171101	PC-165-20171101-FD			
440-195437-1	Chromium	0.0069 mg/L	0.0050U mg/L	200 (≤30)	NQ	-
	Iron	4.1 mg/L	0.78 mg/L	136 (≤30)	J (all detects)	A
	Magnesium	110 mg/L	120 mg/L	9 (≤30)	-	-
	Manganese	0.93 mg/L	0.91 mg/L	2 (≤30)	-	-
	Potassium	25 mg/L	26 mg/L	4 (≤30)	-	-
	Sodium	700 mg/L	760 mg/L	8 (≤30)	-	-
	Strontium	6.1 mg/L	6.6 mg/L	8 (≤30)	-	-
	Arsenic	83 ug/L	85 ug/L	2 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		PC-165-20171101 <sup>F</sup>	PC-165-20171101-FD <sup>F</sup>			
440-195437-1	Aluminum	0.065 mg/L	0.10 mg/L	42 (≤30)	NQ	-
	Boron	1.7 mg/L	1.7 mg/L	0 (≤30)	-	-
	Calcium	290 mg/L	290 mg/L	0 (≤30)	-	-
	Iron	0.10U mg/L	0.084 mg/L	200 (≤30)	NQ	-
	Magnesium	110 mg/L	110 mg/L	0 (≤30)	-	-
	Manganese	0.83 mg/L	0.84 mg/L	1 (≤30)	-	-
	Potassium	25 mg/L	26 mg/L	4 (≤30)	-	-
	Sodium	740 mg/L	760 mg/L	3 (≤30)	-	-
	Vanadium	0.061 mg/L	0.060 mg/L	2 (≤30)	-	-
	Strontium	6.4 mg/L	6.5 mg/L	2 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		PC-165-20171101 <sup>F</sup>	PC-165-20171101-FD <sup>F</sup>			
440-195437-1	Arsenic	85 ug/L	80 ug/L	6 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		M-239-20171101	M-239-20171101-FD			
440-195438-1	Vanadium	0.012 mg/L	0.012 mg/L	0 (≤30)	-	-
	Aluminum	0.25 mg/L	0.21 mg/L	17 (≤30)	-	-
	Boron	2.8 mg/L	2.8 mg/L	0 (≤30)	-	-
	Calcium	240 mg/L	230 mg/L	4 (≤30)	-	-
	Chromium	0.64 mg/L	0.66 mg/L	3 (≤30)	-	-
	Iron	0.16 mg/L	0.12 mg/L	29 (≤30)	-	-
	Magnesium	130 mg/L	130 mg/L	0 (≤30)	-	-
	Manganese	0.020 mg/L	0.020 mg/L	0 (≤30)	-	-
	Potassium	18 mg/L	18 mg/L	0 (≤30)	-	-
	Sodium	470 mg/L	460 mg/L	2 (≤30)	-	-
	Strontium	5.7 mg/L	5.6 mg/L	2 (≤30)	-	-
	Arsenic	54 ug/L	58 ug/L	7 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		M-239-20171101 <sup>F</sup>	M-239-20171101-FD <sup>F</sup>			
440-195438-1	Chromium	0.65 mg/L	0.64 mg/L	2 (≤30)	-	-
	Boron	2.9 mg/L	2.8 mg/L	4 (≤30)	-	-
	Calcium	240 mg/L	240 mg/L	0 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		M-239-20171101 <sup>F</sup>	M-239-20171101-FD <sup>F</sup>			
440-195438-1	Magnesium	120 mg/L	120 mg/L	0 (≤30)	-	-
	Manganese	0.015 mg/L	0.017 mg/L	13 (≤30)	-	-
	Potassium	19 mg/L	18 mg/L	5 (≤30)	-	-
	Sodium	470 mg/L	460 mg/L	2 (≤30)	-	-
	Vanadium	0.011 mg/L	0.011 mg/L	0 (≤30)	-	-
	Strontium	5.8 mg/L	5.7 mg/L	2 (≤30)	-	-
	Arsenic	65 ug/L	65 ug/L	0 (≤30)	-	-

SDG	Analyte	Concentration (ug/L)		RPD (Limits)	Flag	A or P
		M-239-20171101	M-239-20171101-FD			
440-195735-1	Uranium	13	13	0 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		M-209-20171106	M-209-20171106-FD			
440-195817-1	Vanadium	0.010 mg/L	0.0096 mg/L	4 (≤30)	-	-
	Boron	1.4 mg/L	1.3 mg/L	7 (≤30)	-	-
	Calcium	350 mg/L	320 mg/L	9 (≤30)	-	-
	Chromium	0.50 mg/L	0.47 mg/L	6 (≤30)	-	-
	Magnesium	200 mg/L	190 mg/L	5 (≤30)	-	-
	Potassium	24 mg/L	21 mg/L	13 (≤30)	-	-
	Sodium	630 mg/L	580 mg/L	8 (≤30)	-	-
	Manganese	0.017 mg/L	0.015 mg/L	13 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		M-209-20171106	M-209-20171106-FD			
440-195817-1	Strontium	10 mg/L	9.6 mg/L	4 (≤30)	-	-
	Uranium	11 ug/L	13 ug/L	17 (≤30)	-	-
	Arsenic	16 ug/L	16 ug/L	0 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		M-209-20171106 <sup>F</sup>	M-209-20171106-FD <sup>F</sup>			
440-195817-1	Boron	1.4 mg/L	1.4 mg/L	0 (≤30)	-	-
	Calcium	360 mg/L	360 mg/L	0 (≤30)	-	-
	Chromium	0.45 mg/L	0.46 mg/L	2 (≤30)	-	-
	Magnesium	200 mg/L	190 mg/L	5 (≤30)	-	-
	Potassium	24 mg/L	24 mg/L	0 (≤30)	-	-
	Sodium	690 mg/L	680 mg/L	1 (≤30)	-	-
	Vanadium	0.0096 mg/L	0.010 mg/L	4 (≤30)	-	-
	Strontium	10 mg/L	10 mg/L	0 (≤30)	-	-
	Arsenic	16 ug/L	16 ug/L	0 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		M-234-20171106	M-234-20171106-FD			
440-195823-1	Vanadium	0.013 mg/L	0.014 mg/L	7 (≤30)	-	-
	Boron	1.7 mg/L	1.7 mg/L	0 (≤30)	-	-
	Calcium	630 mg/L	610 mg/L	3 (≤30)	-	-
	Chromium	0.011 mg/L	0.011 mg/L	0 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		M-234-20171106	M-234-20171106-FD			
440-195823-1	Magnesium	300 mg/L	300 mg/L	0 (≤30)	-	-
	Manganese	0.036 mg/L	0.035 mg/L	3 (≤30)	-	-
	Potassium	30 mg/L	29 mg/L	3 (≤30)	-	-
	Sodium	600 mg/L	590 mg/L	2 (≤30)	-	-
	Strontium	15 mg/L	15 mg/L	0 (≤30)	-	-
	Arsenic	24 ug/L	24 ug/L	0 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		M-234-20171106 <sup>F</sup>	M-234-20171106-FD <sup>F</sup>			
440-195823-1	Boron	1.7 mg/L	1.7 mg/L	0 (≤30)	-	-
	Calcium	600 mg/L	610 mg/L	2 (≤30)	-	-
	Chromium	0.012 mg/L	0.012 mg/L	0 (≤30)	-	-
	Magnesium	310 mg/L	310 mg/L	0 (≤30)	-	-
	Manganese	0.025 mg/L	0.024 mg/L	4 (≤30)	-	-
	Potassium	32 mg/L	32 mg/L	0 (≤30)	-	-
	Sodium	680 mg/L	680 mg/L	0 (≤30)	-	-
	Vanadium	0.013 mg/L	0.012 mg/L	8 (≤30)	-	-
	Strontium	15 mg/L	15 mg/L	0 (≤30)	-	-
	Arsenic	22 ug/L	22 ug/L	0 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		M-231-20171107	M-231-20171107-FD			
440-195947-1	Vanadium	0.021 mg/L	0.021 mg/L	0 (≤30)	-	-
	Boron	0.81 mg/L	0.83 mg/L	2 (≤30)	-	-
	Calcium	27 mg/L	29 mg/L	7 (≤30)	-	-
	Chromium	0.016 mg/L	0.017 mg/L	6 (≤30)	-	-
	Magnesium	16 mg/L	16 mg/L	0 (≤30)	-	-
	Potassium	5.5 mg/L	5.8 mg/L	5 (≤30)	-	-
	Sodium	130 mg/L	140 mg/L	7 (≤30)	-	-
	Strontium	1.0 mg/L	1.1 mg/L	10 (≤30)	-	-
	Arsenic	35 ug/L	38 ug/L	8 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		M-231-20171107 <sup>F</sup>	M-231-20171107-FD <sup>F</sup>			
440-195947-1	Boron	0.81 mg/L	0.81 mg/L	0 (≤30)	-	-
	Calcium	29 mg/L	30 mg/L	3 (≤30)	-	-
	Chromium	0.016 mg/L	0.016 mg/L	0 (≤30)	-	-
	Magnesium	16 mg/L	16 mg/L	0 (≤30)	-	-
	Potassium	5.7 mg/L	5.7 mg/L	0 (≤30)	-	-
	Sodium	150 mg/L	150 mg/L	0 (≤30)	-	-
	Vanadium	0.020 mg/L	0.020 mg/L	0 (≤30)	-	-
	Strontium	1.0 mg/L	1.0 mg/L	0 (≤30)	-	-
	Arsenic	35 ug/L	35 ug/L	0 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		M-230-20171107	M-230-20171107-FD			
440-195947-1	Boron	0.83 mg/L	0.88 mg/L	6 (≤30)	-	-
	Calcium	51 mg/L	55 mg/L	8 (≤30)	-	-
	Chromium	0.018 mg/L	0.019 mg/L	5 (≤30)	-	-
	Iron	0.19 mg/L	0.24 mg/L	23 (≤30)	-	-
	Magnesium	27 mg/L	29 mg/L	7 (≤30)	-	-
	Aluminum	0.22 mg/L	0.28 mg/L	24 (≤30)	-	-
	Potassium	7.6 mg/L	8.3 mg/L	9 (≤30)	-	-
	Sodium	180 mg/L	190 mg/L	5 (≤30)	-	-
	Vanadium	0.017 mg/L	0.018 mg/L	6 (≤30)	-	-
	Strontium	1.5 mg/L	1.6 mg/L	6 (≤30)	-	-
	Arsenic	30 ug/L	31 ug/L	3 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		M-230-20171107 <sup>F</sup>	M-230-20171107-FD <sup>F</sup>			
440-195947-1	Boron	0.88 mg/L	0.90 mg/L	2 (≤30)	-	-
	Calcium	57 mg/L	57 mg/L	0 (≤30)	-	-
	Chromium	0.018 mg/L	0.018 mg/L	0 (≤30)	-	-
	Magnesium	29 mg/L	29 mg/L	0 (≤30)	-	-
	Potassium	8.1 mg/L	8.1 mg/L	0 (≤30)	-	-
	Sodium	200 mg/L	200 mg/L	0 (≤30)	-	-
	Vanadium	0.018 mg/L	0.018 mg/L	0 (≤30)	-	-



SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		M-230-20171107 <sup>F</sup>	M-230-20171107-FD <sup>F</sup>			
440-195947-1	Strontium	1.5 mg/L	1.5 mg/L	0 (≤30)	-	-
	Arsenic	30 ug/L	30 ug/L	0 (≤30)	-	-

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

## XII. Internal Standards (ICP-MS)

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

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

## XIII. Sample Result Verification

All sample result verifications were acceptable.

Raw data were not reviewed for Stage 2A and Stage 2B validation.

## XIV. Overall Assessment of Data

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

Due to filtration holding time, MS/MSD %R and RPD, serial dilution %D, and field duplicate RPD, data were qualified as estimated in seventy six samples.

Due to laboratory blank contamination, data were qualified as estimated in two 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. Based upon the data validation all other results are considered valid and usable for all purposes.

**NERT, Soil and Groundwater RI Sampling Phase 2, July through November 2017  
Metals - Data Qualification Summary - SDGs 440-188296-1, 440-188490-1, 440-188535-1, 440-188881-1, 440-188881-3, 440-188942-1, 440-189060-1, 440-189060-3, 440-189140-1, 440-189223-1, 440-189223-3, 440-189260-1, 440-189260-3, 440-189261-1, 440-189289-1, 440-190153-1, 440-190181-1, 440-190277-1, 440-190318-1, 440-190675-1, 440-190751-1, 440-190848-1, 440-190949-1, 440-190988-1, 440-191076-1, 440-191494-1, 440-191584-1, 440-191691-1, 440-191775-1, 440-191800-1, 440-191907-1, 440-191979-1, 440-192009-1, 440-192106-1, 440-192114-1, 440-192217-1, 440-192253-1, 440-192338-1, 440-192570-1, 440-192628-1, 440-192897-1, 440-192969-1, 440-193060-1, 440-193158-1, 440-193226-1, 440-193870-1, 440-193988-1, 440-194107-1, 440-194194-1, 440-194219-1, 440-194282-1, 440-194301-1, 440-194404-1, 440-194468-1, 440-194470-1, 440-194472-1, 440-194474-1, 440-194569-1, 440-194661-1, 440-194697-1, 440-194700-1, 440-194703-1, 440-194738-1, 440-194771-1, 440-194824-1, 440-194865-1, 440-194905-1, 440-194908-1, 440-194993-1, 440-194997-1, 440-195149-1, 440-195152-1, 440-195219-1, 440-195333-1, 440-195336-1, 440-195366-1, 440-195368-1, 440-195403-1, 440-195437-1, 440-195438-1, 440-195603-1, 440-195605-1, 440-195714-1, 440-195735-1, 440-195817-1, 440-195823-1, 440-195947-1, 440-195949-1**

SDG	Sample	Analyte	Flag	A or P	Reason (Code)
440-190675-1	PC-40-20170821	Chromium	UJ (all non-detects)	A	Technical holding times (Filtration) (1)
440-188881-1	RI-6-20.0-20170724 RI-6-30.0-20170724	Barium Tungsten	J- (all detects) UJ (all non-detects) J- (all detects) UJ (all non-detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-189060-1	RI-14-5.0-20170726 RI-14-10.0-20170726 RI-14-20.0-20170726 RI-14-30.0-20170726	Strontium	J+ (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-189060-1	RI-14-5.0-20170726 RI-14-10.0-20170726 RI-14-20.0-20170726 RI-14-30.0-20170726	Tungsten	UJ (all non-detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-189060-3	RI-14-5.0-20170726 RI-14-10.0-20170726 RI-14-20.0-20170726 RI-14-30.0-20170726	Antimony	UJ (all non-detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-189223-1	RI-15-5.0-20170728** RI-15-10.0-20170728** RI-15-20.0-20170728**	Barium Tungsten	J- (all detects) UJ (all non-detects) J- (all detects) UJ (all non-detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)

SDG	Sample	Analyte	Flag	A or P	Reason (Code)
440-189223-3	RI-15-5.0-20170728 RI-15-10.0-20170728 RI-15-20.0-20170728	Antimony	UJ (all non-detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-189260-1	RI-15-30.0-20170730	Barium Tungsten	J- (all detects) UJ (all non-detects) J- (all detects) UJ (all non-detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-189260-3	RI-15-30.0-20170730	Antimony	UJ (all non-detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-190153-1	PCDB-11-5.0-20170811 PCDB-11-10.0-20170811 PCDB-11-10.0-20170811-FD PCDB-11-20.0-20170811 PCDB-11-30.0-20170811 PCDB-11-40.0-20170811 PCDB-11-40.0-20170811-FD PCDB-11-50.0-20170811 PCDB-11-60.0-20170811 PCDB-11-70.0-20170811 PCDB-11-80.0-20170811 PCDB-11-80.0-20170811-FD PCDB-11-90.0-20170811	Chromium	J+ (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-190181-1	PCDB-10-5.0-20170812 PCDB-10-10.0-20170812 PCDB-10-10.0-20170812-FD PCDB-10-20.0-20170812 PCDB-10-30.0-20170812 PCDB-10-40.0-20170812 PCDB-10-40.0-20170812-FD PCDB-10-50.0-20170812 PCDB-10-60.0-20170812 PCDB-10-70.0-20170813 PCDB-10-70.0-20170813-FD PCDB-10-80.0-20170813	Chromium	J+ (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-194700-1	PC-155A-20171019 <sup>F</sup> PC-155A-20171019-FD <sup>F</sup>	Aluminum	J+ (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-194703-1	PC-153R-20171019 <sup>F</sup>	Aluminum Iron	J+ (all detects) J+ (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-194905-1	PC-184-20171024 PC-185-20171024 PC-187-20171024	Aluminum	J+ (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-194905-1	PC-183-20171024 PC-184-20171024 PC-185-20171024 PC-187-20171024 PC-187-20171024-FD	Boron Potassium	J+ (all detects) J+ (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)

SDG	Sample	Analyte	Flag	A or P	Reason (Code)
440-194905-1	PC-184-20171024 PC-185-20171024	Iron	J+ (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-194908-1	PC-182-20171024 PC-182-20171024-FD PC-181-20171024 PC-180-20171024 PC-173-20171024 PC-170-20171024	Iron	J- (all detects) UJ (all non-detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-194993-1	MC-MW-37R-20171025 MC-MW-38-20171025 MC-63-20171025 PC-37-20171025	Iron	J- (all detects) UJ (all non-detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-194997-1	MC-61-20171025	Iron	UJ (all non-detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-195149-1	H-56A-20171026 H-49A-20171026 H-58A-20171026 PC-40-20171026 H-56R-20171026 H-56A-20171026 <sup>F</sup> H-49A-20171026 <sup>F</sup> H-58A-20171026 <sup>F</sup> PC-40-20171026 <sup>F</sup> H-56R-20171026 <sup>F</sup>	Boron	J+ (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-195368-1	PC-163-20171031	Aluminum	J+ (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-189223-1	RI-15-5.0-20170728** RI-15-10.0-20170728** RI-15-20.0-20170728**	Strontium	J (all detects)	A	Matrix spike/Matrix spike duplicate (RPD) (ld)
440-189260-1	RI-15-30.0-20170730	Strontium	J (all detects)	A	Matrix spike/Matrix spike duplicate (RPD) (ld)
440-194569-1	M-36D-20171018 <sup>F</sup> M-72D-20171018 <sup>F</sup> M-140D-20171018 <sup>F</sup> M-14D-20171018 <sup>F</sup>	Aluminum Boron Chromium Lead Manganese Vanadium Zirconium	J (all detects) UJ (all non-detects)	A	Matrix spike/Matrix spike duplicate (RPD) (ld)
440-194697-1	M-228-20171019 <sup>F</sup>	Aluminum Boron Chromium Lead Manganese Vanadium Zirconium	J (all detects) UJ (all non-detects)	A	Matrix spike/Matrix spike duplicate (RPD) (ld)

SDG	Sample	Analyte	Flag	A or P	Reason (Code)
440-194700-1	PC-155A-20171019 <sup>F</sup> PC-155A-20171019-FD <sup>F</sup> PC-155B-20171019 <sup>F</sup> PC-156A-20171019 <sup>F</sup> PC-156B-20171019 <sup>F</sup>	Aluminum Boron Chromium Lead Manganese Vanadium Zirconium	J (all detects) UJ (all non-detects)	A	Matrix spike/Matrix spike duplicate (RPD) (ld)
440-194703-1	PC-153R-20171019 <sup>F</sup> M-201-20171019 <sup>F</sup>	Aluminum  Iron	J (all detects) UJ (all non-detects) J (all detects) UJ (all non-detects)	A	Matrix spike/Matrix spike duplicate (RPD) (ld)
440-189060-1	RI-14-5.0-20170726 RI-14-10.0-20170726 RI-14-20.0-20170726 RI-14-30.0-20170726	Iron Manganese	J (all detects) J (all detects)	A	Serial dilution (%D) (sd)
440-189223-1	RI-15-5.0-20170728** RI-15-10.0-20170728** RI-15-20.0-20170728**	Phosphorus Strontium	J (all detects) J (all detects)	A	Serial dilution (%D) (sd)
440-189260-1	RI-15-30.0-20170730	Phosphorus Strontium	J (all detects) J (all detects)	A	Serial dilution (%D) (sd)
440-188942-1	RI-6-90.0-20170725 RI-6-90.0-20170725-FD	Chromium	J (all detects)	A	Field duplicates (RPD) (fd)
440-194908-1	PC-182-20171024 PC-182-20171024-FD	Chromium	J (all detects)	A	Field duplicates (RPD) (fd)
440-195368-1	PC-161-20171031 PC-161-20171031-FD	Arsenic	J (all detects)	A	Field duplicates (RPD) (fd)
440-195437-1	PC-165-20171101 PC-165-20171101-FD	Aluminum Iron	J (all detects) J (all detects)	A	Field duplicates (RPD) (fd)

**NERT, Soil and Groundwater RI Sampling Phase 2, July through November 2017 Metals - Laboratory Blank Data Qualification Summary – SDGs 440-188296-1, 440-188490-1, 440-188535-1, 440-188881-1, 440-188881-3, 440-188942-1, 440-189060-1, 440-189060-3, 440-189140-1, 440-189223-1, 440-189223-3, 440-189260-1, 440-189260-3, 440-189261-1, 440-189289-1, 440-190153-1, 440-190181-1, 440-190277-1, 440-190318-1, 440-190675-1, 440-190751-1, 440-190848-1, 440-190949-1, 440-190988-1, 440-191076-1, 440-191494-1, 440-191584-1, 440-191691-1, 440-191775-1, 440-191800-1, 440-191907-1, 440-191979-1, 440-192009-1, 440-192106-1, 440-192114-1, 440-192217-1, 440-192253-1, 440-192338-1, 440-192570-1, 440-192628-1, 440-192897-1, 440-192969-1, 440-193060-1, 440-193158-1, 440-193226-1, 440-193870-1, 440-193988-1, 440-194107-1, 440-194194-1, 440-194219-1, 440-194282-1, 440-194301-1, 440-194404-1, 440-194468-1, 440-194470-1, 440-194472-1, 440-**

194474-1, 440-194569-1, 440-194661-1, 440-194697-1, 440-194700-1, 440-194703-1, 440-194738-1, 440-194771-1, 440-194824-1, 440-194865-1, 440-194905-1, 440-194908-1, 440-194993-1, 440-194997-1, 440-195149-1, 440-195152-1, 440-195219-1, 440-195333-1, 440-195336-1, 440-195366-1, 440-195368-1, 440-195403-1, 440-195437-1, 440-195438-1, 440-195603-1, 440-195605-1, 440-195714-1, 440-195735-1, 440-195817-1, 440-195823-1, 440-195947-1, 440-195949-1

SDG	Sample	Analyte	Modified Final Concentration	A or P	Code
440-195714-1	M-186D-20171103-FB	Sodium	0.86J+ mg/L	A	bl
440-195714-1	M-214-20171103-EB	Sodium	3.2J+ mg/L	A	bl

**NERT, Soil and Groundwater RI Sampling Phase 2, July through November 2017**  
**Metals - Field Blank Data Qualification Summary – SDGs 440-188296-1, 440-188490-1, 440-188535-1, 440-188881-1, 440-188881-3, 440-188942-1, 440-189060-1, 440-189060-3, 440-189140-1, 440-189223-1, 440-189223-3, 440-189260-1, 440-189260-3, 440-189261-1, 440-189289-1, 440-190153-1, 440-190181-1, 440-190277-1, 440-190318-1, 440-190675-1, 440-190751-1, 440-190848-1, 440-190949-1, 440-190988-1, 440-191076-1, 440-191494-1, 440-191584-1, 440-191691-1, 440-191775-1, 440-191800-1, 440-191907-1, 440-191979-1, 440-192009-1, 440-192106-1, 440-192114-1, 440-192217-1, 440-192253-1, 440-192338-1, 440-192570-1, 440-192628-1, 440-192897-1, 440-192969-1, 440-193060-1, 440-193158-1, 440-193226-1, 440-193870-1, 440-193988-1, 440-194107-1, 440-194194-1, 440-194219-1, 440-194282-1, 440-194301-1, 440-194404-1, 440-194468-1, 440-194470-1, 440-194472-1, 440-194474-1, 440-194569-1, 440-194661-1, 440-194697-1, 440-194700-1, 440-194703-1, 440-194738-1, 440-194771-1, 440-194824-1, 440-194865-1, 440-194905-1, 440-194908-1, 440-194993-1, 440-194997-1, 440-195149-1, 440-195152-1, 440-195219-1, 440-195333-1, 440-195336-1, 440-195366-1, 440-195368-1, 440-195403-1, 440-195437-1, 440-195438-1, 440-195603-1, 440-195605-1, 440-195714-1, 440-195735-1, 440-195817-1, 440-195823-1, 440-195947-1, 440-195949-1**

SDG	Sample	Analyte	Modified Final Concentration	A or P	Code
440-195949-1	M-236-20171107	Aluminum Iron	0.42J+ mg/L 0.16J+ mg/L	A	bf

**ATTACHMENT J**  
**Wet Chemistry DVR**

**Bromide, Chloride, Nitrate as NO<sub>3</sub>, Nitrite as Nitrogen, Orthophosphate as Phosphorus, and Sulfate by Environmental Protection Agency (EPA) Method 300.0**

**Hexavalent Chromium by EPA Method 218.6 and EPA SW 846 Method 7199**

**Nitrate/Nitrite as Nitrogen by Calculation Method**

**Perchlorate by EPA Method 314.0**

**Chlorate by EPA Method 300.1B**

**Cyanide by Standard Method 4500-CN-E**

**Total Phosphorus by EPA Method 365.3**

**Alkalinity by Standard Method 2320B**

**Specific Conductance by Standard Method 2510B**

**Total Dissolved Solids by Standard Method 2540C**

**Dissolved Organic Carbon by Standard Method 5310B**

**Sulfide by EPA SW 846 Method 9034**

**pH by EPA SW 846 Method 9040C**

### 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	Affected Analyte	Flag	A or P
440-191494-1	M-237-20170905* M-238-20170905*	pH	6 days	48 hours	pH	J (all detects)	P
440-191584-1	M-234-20170906* M-236-20170906* M-236-20170906-FD* M-205-20170906* M-205-20170906-EB*	pH	5 days	48 hours	pH	J (all detects)	P
440-191691-1	M-206-20170907* M-207-20170907* M-208-20170907* M-209-20170907* M-210-20170907* M-212-20170907* M-213-20170907*	pH	4 days	48 hours	pH	J (all detects)	P
440-191775-1	M-242-20170908* M-243-20170908* M-243-20170908-FD* M-245-20170908*	pH	4 days	48 hours	pH	J (all detects)	P
440-191800-1	M-246-20170908*	pH	4 days	48 hours	pH	J (all detects)	P
440-191907-1	M-229-20170911*	pH	52.85 hours	48 hours	pH	J (all detects)	P



SDG	Sample	Analyte	Total Time From Sample Collection Until Analysis	Required Holding Time From Sample Collection Until Analysis	Affected Analyte	Flag	A or P
440-191907-1	PC-170-20170911*	pH	50.55 hours	48 hours	pH	J (all detects)	P
440-191907-1	PC-173-20170911* PC-173-20170911-FD*	pH	48.67 hours	48 hours	pH	J (all detects)	P
440-191979-1	PC-180-20170912*	pH	58.32 hours	48 hours	pH	J (all detects)	P
440-191979-1	PC-181-20170912*	pH	57.48 hours	48 hours	pH	J (all detects)	P
440-191979-1	PC-182-20170912*	pH	56.47 hours	48 hours	pH	J (all detects)	P
440-191979-1	PC-183-20170912*	pH	55.30 hours	48 hours	pH	J (all detects)	P
440-192009-1	PC-184-20170912-FB*	pH	53.87 hours	48 hours	pH	J (all detects)	P
440-192009-1	PC-184-20170912*	pH	53.60 hours	48 hours	pH	J (all detects)	P
440-192009-1	PC-185-20170912*	pH	52.45 hours	48 hours	pH	J (all detects)	P
440-192009-1	PC-187-20170912*	pH	50.73 hours	48 hours	pH	J (all detects)	P
440-192106-1	M-230-20170913*	pH	56.75 hours	48 hours	pH	J (all detects)	P
440-192106-1	PC-161-20170913*	pH	54.50 hours	48 hours	pH	J (all detects)	P
440-192106-1	PC-162-20170913-EB*	pH	53.88 hours	48 hours	pH	J (all detects)	P
440-192106-1	PC-162-20170913*	pH	53.33 hours	48 hours	pH	J (all detects)	P
440-192217-1	M-235-20170914* PC-163-20170914*	pH	4 days	48 hours	pH	J (all detects)	P
440-192253-1	PC-166-20170914* PC-169-20170914*	pH	4 days	48 hours	pH	J (all detects)	P
440-192338-1	PC-171-20170915	pH	3 days	48 hours	pH	J (all detects)	P
440-192338-1	PC-167-20170915	pH	3 days	48 hours	pH	J (all detects)	P
440-192338-1	PC-175-20170915	pH	3 days	48 hours	pH	J (all detects)	P
440-192338-1	PC-171-20170915	Hexavalent chromium	24.15 hours	24 hours	Hexavalent chromium	J- (all detects)	P

SDG	Sample	Analyte	Total Time From Sample Collection Until Analysis	Required Holding Time From Sample Collection Until Analysis	Affected Analyte	Flag	A or P
440-192897-1	PC-177-20170925*	pH	77.05 hours	48 hours	pH	J (all detects)	P
440-192897-1	PC-164-20170925*	pH	74.53 hours	48 hours	pH	J (all detects)	P
440-192969-1	M-204-20170926	pH	52.48 hours	48 hours	pH	J (all detects)	P
440-192969-1	PC-174-20170926	pH	49.00 hours	48 hours	pH	J (all detects)	P
440-193060-1	PC-194-20170927* PC-194-20170927-FD*	pH	56.22 hours	48 hours	pH	J (all detects)	P
440-193060-1	PC-190-20170927*	pH	54.22 hours	48 hours	pH	J (all detects)	P
440-193060-1	PC-186-20170927*	pH	53.03 hours	48 hours	pH	J (all detects)	P
440-193060-1	M-226-20170927*	pH	51.38 hours	48 hours	pH	J (all detects)	P
440-193060-1	M-227-20170927*	pH	49.85 hours	48 hours	pH	J (all detects)	P
440-193158-1	M-244-20170928* M-232-20170928* M-231-20170928*	pH	5 days	48 hours	pH	J (all detects)	P
440-193158-1	M-244-20170928* M-232-20170928* M-231-20170928*	Total dissolved solids	20 days	7 days	Total dissolved solids	J- (all detects)	P
440-193226-1	PC-165-20170929-FB* PC-165-20170929* PC-192-20170929* PC-188-20170929*	pH	5 days	48 hours	pH	J (all detects)	P
440-193988-1	PC-191-20171010*	pH	49.35 hours	48 hours	pH	J (all detects)	P
440-194107-1	PC-197-20171011*	pH	54.52 hours	48 hours	pH	J (all detects)	P
440-194107-1	PC-178-20171011*	pH	53.22 hours	48 hours	pH	J (all detects)	P
440-194107-1	PC-178-20171011-FD*	pH	53.13 hours	48 hours	pH	J (all detects)	P
440-194107-1	M-225-20171011*	pH	51.22 hours	48 hours	pH	J (all detects)	P
440-194107-1	M-223-20171011*	pH	49.73 hours	48 hours	pH	J (all detects)	P

SDG	Sample	Analyte	Total Time From Sample Collection Until Analysis	Required Holding Time From Sample Collection Until Analysis	Affected Analyte	Flag	A or P
440-194107-1	M-93-20171011*	pH	48.10 hours	48 hours	pH	J (all detects)	P
440-194194-1	M-196-20171012*	pH	5 days	48 hours	pH	J (all detects)	P
440-194219-1	M-198-20171012*	Nitrite as N Nitrate as NO3 Orthophosphate as P	59.50 hours	48 hours	Nitrite as N Nitrate as NO3 Nitrate/Nitrite as N Orthophosphate as P	J- (all detects) UJ (all non-detects)	P
440-194219-1	M-199-20171012*	Nitrite as N Nitrate as NO3 Orthophosphate as P	59.23 hours	48 hours	Nitrite as N Nitrate as NO3 Nitrate/Nitrite as N Orthophosphate as P	J- (all detects) UJ (all non-detects)	P
440-194219-1	M-200-20171012*	Nitrite as N Nitrate as NO3 Orthophosphate as P	55.63 hours	48 hours	Nitrite as N Nitrate as NO3 Nitrate/Nitrite as N Orthophosphate as P	J- (all detects) UJ (all non-detects)	P
440-194219-1	M-198-20171012* M-199-20171012* M-200-20171012*	pH	4 days	48 hours	pH	J (all detects)	P
440-194282-1	M-83D-20171013*	pH	78.25 hours	48 hours	pH	J (all detects)	P
440-194301-1	M-216-20171013*	pH	77.38 hours	48 hours	pH	J (all detects)	P
440-194301-1	M-217-20171013*	pH	76.22 hours	48 hours	pH	J (all detects)	P
440-194301-1	M-218-20171013*	pH	75.33 hours	48 hours	pH	J (all detects)	P
440-194301-1	M-220-20171013*	pH	74.37 hours	48 hours	pH	J (all detects)	P
440-194404-1	M-239-20171016*	pH	51.55 hours	48 hours	pH	J (all detects)	P
440-194404-1	M-240-20171016*	pH	50.48 hours	48 hours	pH	J (all detects)	P
440-194404-1	M-21D-20171016*	pH	49.27 hours	48 hours	pH	J (all detects)	P
440-194472-1	M-22D-171017*	pH	51.77 hours	48 hours	pH	J (all detects)	P
440-194472-1	M-65D-171017*	pH	50.03 hours	48 hours	pH	J (all detects)	P
440-194472-1	M-221-171017*	pH	48.18 hours	48 hours	pH	J (all detects)	P

SDG	Sample	Analyte	Total Time From Sample Collection Until Analysis	Required Holding Time From Sample Collection Until Analysis	Affected Analyte	Flag	A or P
440-194474-1	M-214-20171017*	pH	52.45 hours	48 hours	pH	J (all detects)	P
440-194474-1	M-214-20171017-EB*	pH	51.73 hours	48 hours	pH	J (all detects)	P
440-194474-1	M-197-20171017*	pH	50.43 hours	48 hours	pH	J (all detects)	P
440-194474-1	M-195-20171017*	pH	49.13 hours	48 hours	pH	J (all detects)	P
440-194569-1	M-36D-20171018*	pH	53.00 hours	48 hours	pH	J (all detects)	P
440-194569-1	M-72D-20171018*	pH	51.05 hours	48 hours	pH	J (all detects)	P
440-194569-1	M-140D-20171018*	pH	49.05 hours	48 hours	pH	J (all detects)	P
440-194697-1	M-228-20171019*	pH	6 days	48 hours	pH	J (all detects)	P
440-194700-1	PC-155A-20171019* PC-155A-20171019-FD* PC-155B-20171019* PC-156A-20171019* PC-156B-20171019*	pH	5 days	48 hours	pH	J (all detects)	P
440-194703-1	PC-153R-20171019* M-201-20171019*	pH	5 days	48 hours	pH	J (all detects)	P
440-194771-1	M-202-20171020* M-125D-20171020* M-203-20171020* PC-157B-20171020* PC-157A-20171020* M-5D-20171020*	pH	6 days	48 hours	pH	J (all detects)	P
440-194865-1	M-81D-20171023*	pH	51.73 hours	48 hours	pH	J (all detects)	P
440-194865-1	M-215-20171023*	pH	50.52 hours	48 hours	pH	J (all detects)	P
440-194865-1	M-219-20171023*	pH	49.35 hours	48 hours	pH	J (all detects)	P
440-194903-1	PC-183-20171024*	Hexavalent chromium	24.03 hours	24 hours	Hexavalent chromium	J- (all detects)	P
440-194905-1	PC-183-20171024	pH	52.67 hours	48 hours	pH	J (all detects)	P
440-194905-1	PC-184-20171024	pH	51.73 hours	48 hours	pH	J (all detects)	P
440-194905-1	PC-185-20171024	pH	50.65 hours	48 hours	pH	J (all detects)	P

SDG	Sample	Analyte	Total Time From Sample Collection Until Analysis	Required Holding Time From Sample Collection Until Analysis	Affected Analyte	Flag	A or P
440-194905-1	PC-187-20171024	pH	48.12 hours	48 hours	pH	J (all detects)	P
440-194905-1	PC-187-20171024-FD	pH	48.03 hours	48 hours	pH	J (all detects)	P
440-194908-1	PC-182-20171024*	pH	52.73 hours	48 hours	pH	J (all detects)	P
440-194908-1	PC-182-20171024-FD*	pH	52.65 hours	48 hours	pH	J (all detects)	P
440-194908-1	PC-181-20171024*	pH	51.78 hours	48 hours	pH	J (all detects)	P
440-194908-1	PC-180-20171024*	pH	53.33 hours	48 hours	pH	J (all detects)	P
440-194908-1	PC-173-20171024*	pH	50.87 hours	48 hours	pH	J (all detects)	P
440-194908-1	PC-170-20171024*	pH	49.18 hours	48 hours	pH	J (all detects)	P
440-194908-1	PC-170-20171024-FB*	pH	48.85 hours	48 hours	pH	J (all detects)	P
440-194993-1	MC-MW-37R-20171025*	pH	52.75 hours	48 hours	pH	J (all detects)	P
440-194993-1	MC-MW-38-20171025*	pH	48.18 hours	48 hours	pH	J (all detects)	P
440-194993-1	MC-63-20171025*	pH	51.83 hours	48 hours	pH	J (all detects)	P
440-194993-1	PC-37-20171025*	pH	50.43 hours	48 hours	pH	J (all detects)	P
440-194993-1	PC-37-20171025-EB*	pH	50.02 hours	48 hours	pH	J (all detects)	P
440-194997-1	MC-65R-20171025*	pH	53.15 hours	48 hours	pH	J (all detects)	P
440-194997-1	PC-73-20171025*	pH	51.95 hours	48 hours	pH	J (all detects)	P
440-194997-1	H-49R-20171025*	pH	50.78 hours	48 hours	pH	J (all detects)	P
440-194997-1	MC-62-20171025*	pH	48.52 hours	48 hours	pH	J (all detects)	P
440-195149-1	H-56A-20171026*	pH	73.78 hours	48 hours	pH	J (all detects)	P
440-195149-1	H-48-20171026*	pH	78.95 hours	48 hours	pH	J (all detects)	P
440-195149-1	H-49A-20171026*	pH	71.43 hours	48 hours	pH	J (all detects)	P

SDG	Sample	Analyte	Total Time From Sample Collection Until Analysis	Required Holding Time From Sample Collection Until Analysis	Affected Analyte	Flag	A or P
440-195149-1	H-58A-20171026*	pH	70.48 hours	48 hours	pH	J (all detects)	P
440-195149-1	PC-40-20171026*	pH	68.23 hours	48 hours	pH	J (all detects)	P
440-195149-1	H-56R-20171026*	pH	67.23 hours	48 hours	pH	J (all detects)	P
440-195152-1	MC-MW-36-20171026*	pH	73.62 hours	48 hours	pH	J (all detects)	P
440-195152-1	MC-65-20171026*	pH	72.20 hours	48 hours	pH	J (all detects)	P
440-195152-1	MC-MW-37-20171026*	pH	71.08 hours	48 hours	pH	J (all detects)	P
440-195152-1	MC-66-20171026*	pH	69.30 hours	48 hours	pH	J (all detects)	P
440-195152-1	PC-72-20171026*	pH	68.20 hours	48 hours	pH	J (all detects)	P
440-195152-1	PC-72-20171026-FD*	pH	68.12 hours	48 hours	pH	J (all detects)	P
440-195219-1	M-44-20171027*	pH	50.03 hours	48 hours	pH	J (all detects)	P
440-195219-1	M-152-20171027*	pH	48.92 hours	48 hours	pH	J (all detects)	P
440-195219-1	M-242-20171027*	pH	49.80 hours	48 hours	pH	J (all detects)	P
440-195219-1	M-243-20171027*	pH	55.62 hours	48 hours	pH	J (all detects)	P
440-195219-1	M-244-20171027*	pH	54.52 hours	48 hours	pH	J (all detects)	P
440-195219-1	M-245-20171027*	pH	53.65 hours	48 hours	pH	J (all detects)	P
440-195219-1	M-246-20171027*	pH	52.60 hours	48 hours	pH	J (all detects)	P
440-195219-1	PC-171-20171027*	pH	51.50 hours	48 hours	pH	J (all detects)	P
440-195219-1	M-246-20171027*	Hexavalent chromium	81.88 hours	24 hours	Hexavalent chromium	R (all non-detects)	P
440-195219-1	PC-171-20171027*	Hexavalent chromium	84.45 hours	24 hours	Hexavalent chromium	J- (all detects)	P
440-195333-1	PC-174-20171030*	pH	52.43 hours	48 hours	pH	J (all detects)	P
440-195333-1	PC-192-20171030*	pH	51.38 hours	48 hours	pH	J (all detects)	P

SDG	Sample	Analyte	Total Time From Sample Collection Until Analysis	Required Holding Time From Sample Collection Until Analysis	Affected Analyte	Flag	A or P
440-195333-1	PC-179-20171030*	pH	50.18 hours	48 hours	pH	J (all detects)	P
440-195333-1	PC-190-20171030*	pH	48.18 hours	48 hours	pH	J (all detects)	P
440-195336-1	PC-166-20171030*	pH	52.30 hours	48 hours	pH	J (all detects)	P
440-195336-1	PC-167-20171030*	pH	50.98 hours	48 hours	pH	J (all detects)	P
440-195336-1	PC-169-20171030*	pH	49.65 hours	48 hours	pH	J (all detects)	P
440-195336-1	PC-164-20171030*	pH	48.37 hours	48 hours	pH	J (all detects)	P
440-195368-1	PC-162-20171031*	pH	56.75 hours	48 hours	pH	J (all detects)	P
440-195368-1	PC-162-20171031-FD*	pH	56.67 hours	48 hours	pH	J (all detects)	P
440-195368-1	PC-161-20171031*	pH	55.08 hours	48 hours	pH	J (all detects)	P
440-195368-1	PC-161-20171031-FD*	pH	55.33 hours	48 hours	pH	J (all detects)	P
440-195368-1	PC-193-20171031*	pH	54.12 hours	48 hours	pH	J (all detects)	P
440-195368-1	PC-163-20171031*	pH	53.10 hours	48 hours	pH	J (all detects)	P
440-195368-1	PC-194-20171031*	pH	52.10 hours	48 hours	pH	J (all detects)	P
440-195368-1	PC-177-20171031*	pH	51.12 hours	48 hours	pH	J (all detects)	P
440-195403-1	M-196-20171031*	pH	56.90 hours	48 hours	pH	J (all detects)	P
440-195403-1	M-198-20171031*	pH	55.57 hours	48 hours	pH	J (all detects)	P
440-195403-1	M-199-20171031*	pH	54.18 hours	48 hours	pH	J (all detects)	P
440-195403-1	M-195-20171031*	pH	51.63 hours	48 hours	pH	J (all detects)	P
440-195403-1	M-197-20171031*	pH	50.58 hours	48 hours	pH	J (all detects)	P
440-195437-1	PC-165-20171101	pH	51.17 hours	48 hours	pH	J (all detects)	P
440-195437-1	PC-165-20171101-FD	pH	51.08 hours	48 hours	pH	J (all detects)	P

SDG	Sample	Analyte	Total Time From Sample Collection Until Analysis	Required Holding Time From Sample Collection Until Analysis	Affected Analyte	Flag	A or P
440-195437-1	PC-191-20171101	pH	48.75 hours	48 hours	pH	J (all detects)	P
440-195437-1	PC-191-20171101-EB	pH	48.42 hours	48 hours	pH	J (all detects)	P
440-195438-1	M-239-20171101	pH	51.57 hours	48 hours	pH	J (all detects)	P
440-195438-1	M-239-20171101-FD	pH	51.48 hours	48 hours	pH	J (all detects)	P
440-195438-1	M-240-20171101	pH	49.62 hours	48 hours	pH	J (all detects)	P
440-195438-1	M-200-20171101	pH	48.40 hours	48 hours	pH	J (all detects)	P
440-195603-1	PC-197-20171102	pH	76.92 hours	48 hours	pH	J (all detects)	P
440-195603-1	PC-175-20171102	pH	75.63 hours	48 hours	pH	J (all detects)	P
440-195603-1	PC-189-20171102	pH	74.22 hours	48 hours	pH	J (all detects)	P
440-195603-1	PC-188-20171102	pH	72.88 hours	48 hours	pH	J (all detects)	P
440-195603-1	M-204-20171102	pH	71.22 hours	48 hours	pH	J (all detects)	P
440-195605-1	M-83D-20171102	pH	77.15 hours	48 hours	pH	J (all detects)	P
440-195605-1	M-216-20171102	pH	74.92 hours	48 hours	pH	J (all detects)	P
440-195605-1	M-217-20171102	pH	74.03 hours	48 hours	pH	J (all detects)	P
440-195605-1	M-218-20171102	pH	72.47 hours	48 hours	pH	J (all detects)	P
440-195605-1	M-220-20171102	pH	70.87 hours	48 hours	pH	J (all detects)	P
440-195693-1	PC-186-20171103	Hexavalent chromium	46.90 hours	24 hours	Hexavalent chromium	J- (all detects)	A
440-195693-1	PC-186-20171103-FD	Hexavalent chromium	47.00 hours	24 hours	Hexavalent chromium	J- (all detects)	A
440-195714-1	M-149-20171103	pH	54.02 hours	48 hours	pH	J (all detects)	P
440-195714-1	M-186D-20171103	pH	52.73 hours	48 hours	pH	J (all detects)	P
440-195714-1	M-186D-20171103-FB	pH	52.65 hours	48 hours	pH	J (all detects)	P



SDG	Sample	Analyte	Total Time From Sample Collection Until Analysis	Required Holding Time From Sample Collection Until Analysis	Affected Analyte	Flag	A or P
440-195714-1	M-214-20171103	pH	51.68 hours	48 hours	pH	J (all detects)	P
440-195714-1	M-214-20171103-EB	pH	51.60 hours	48 hours	pH	J (all detects)	P
440-195817-1	M-208-20171106	pH	55.48 hours	48 hours	pH	J (all detects)	P
440-195817-1	M-209-20171106	pH	54.72 hours	48 hours	pH	J (all detects)	P
440-195817-1	M-209-20171106-FD	pH	54.63 hours	48 hours	pH	J (all detects)	P
440-195817-1	M-210-20171106	pH	53.50 hours	48 hours	pH	J (all detects)	P
440-195817-1	M-211-20171106	pH	52.45 hours	48 hours	pH	J (all detects)	P
440-195817-1	M-212-20171106	pH	50.87 hours	48 hours	pH	J (all detects)	P
440-195823-1	M-237-20171106	pH	55.47 hours	48 hours	pH	J (all detects)	P
440-195823-1	M-238-20171106	pH	54.63 hours	48 hours	pH	J (all detects)	P
440-195823-1	M-235-20171106	pH	53.72 hours	48 hours	pH	J (all detects)	P
440-195823-1	M-234-20171106	pH	52.13 hours	48 hours	pH	J (all detects)	P
440-195823-1	M-234-20171106-FD	pH	52.05 hours	48 hours	pH	J (all detects)	P
440-195823-1	M-232-20171106	pH	50.80 hours	48 hours	pH	J (all detects)	P
440-195947-1	M-231-20171107	pH	52.27 hours	48 hours	pH	J (all detects)	P
440-195947-1	M-231-20171107-FD	pH	52.18 hours	48 hours	pH	J (all detects)	P
440-195947-1	M-230-20171107	pH	50.68 hours	48 hours	pH	J (all detects)	P
440-195947-1	M-230-20171107-FD	pH	50.60 hours	48 hours	pH	J (all detects)	P
440-195947-1	M-229-20171107	pH	49.22 hours	48 hours	pH	J (all detects)	P
440-195947-1	M-229-20171107-EB	pH	49.13 hours	48 hours	pH	J (all detects)	P
440-195947-1	M-229-20171107-FB	pH	49.05 hours	48 hours	pH	J (all detects)	P

SDG	Sample	Analyte	Total Time From Sample Collection Until Analysis	Required Holding Time From Sample Collection Until Analysis	Affected Analyte	Flag	A or P
440-195949-1	M-236-20171107	pH	52.55 hours	48 hours	pH	J (all detects)	P
440-195949-1	M-236-20171107-FB	pH	52.22 hours	48 hours	pH	J (all detects)	P
440-195949-1	M-213-20171107	pH	49.47 hours	48 hours	pH	J (all detects)	P

## II. Initial Calibration

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

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

## III. Continuing Calibration

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

SDG	Date	Lab. Reference/ID	Analyte	%D (Limits)	Associated Samples	Flag	A or P
440-189060-1	07/28/17	CCV (03:02)	Nitrite as N	12.0 (≤10)	RI-14-10.0-20170726 RI-14-50.0-20170726 RI-14-60.0-20170726 RI-14-70.0-20170726 RI-14-70.0-20170726-FD RI-14-80.0-20170726	NA	-

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

## IV. Laboratory Blanks

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

## V. Field Blanks

Samples M-195-100.0-20170717-EB\* (from SDG 440-188490-1), M-195-130.0-20170718-EB\* (from SDG 440-188535-1), RI-6-120.0-20170725-EB\*, RI-6-130.0-20170725-EB\* (both from SDG 440-188942-1), RI-14-50.0-20170726-EB\* (from SDG 440-189060-1), RI-14-90.0-20170727-EB\* and RI-14-100.0-20170727-EB\* (both from SDG 440-189140-1), RI-15-100.0-20170730-EB\* (from SDG 440-189260-1), RI-15-110.0-20170731-EB\* (from SDG 440-189289-1), PCDB-12-10.0-20170814-EB\*, PCDB-12-50.0-20170814-EB\* (both from SDG 440-190277-1), PCDB-5-50.0-20170815-EB\*, PCDB-5-70.0-20170815-EB\* (both from SDG 440-190318-1), PC-71-20170824-EB\*

(from SDG 440-190949-1), M-205-20170906-EB\* (from SDG 440-191584-1), PC-162-20170913-EB (from SDG 440-192106-1), PCDB-8-50.0-20170920-EB\* (from SDG 440-192628-1), M-55-20170925-EB\* (from SDG 440-192897-1), M-214-20171017-EB\* (from SDGs 440-194465-1 and 440-194474-1), PC-187-20171024-EB\* (from SDG 440-194903-1), PC-187-20171024-EB\* (from SDG 440-194905-1), PC-37-20171025-EB\* (from SDGs 440-194992-1 and 440-194993-1), PC-191-20171101-EB (from SDG 440-15435-1), PC-191-20171101-EB (from SDG 440-195437-1), M-214-20171103-EB (from SDG 440-195691-1), M-205-20171103-EB (from SDG 440-195693-1), M-214-20171103-EB (from SDG 440-195714-1), M-225-20171107-EB (from SDG 440-195898-1), M-229-20171107-EB (from SDG 440-195907-1), M-229-20171107-EB (from SDG 440-195947-1), and M-225-20171107-EB (from SDG 440-195949-1) were identified as equipment blanks. No contaminants were found with the following exceptions:

SDG	Blank ID	Collection Date	Analyte	Concentration	Associated Samples
440-188535-1	M-195-130.0-20170718-EB*	07/18/17	Hexavalent chromium	0.26 ug/L	M-195-130.0-20170718**
440-190949-1	PC-71-20170824-EB*	08/24/17	Hexavalent chromium	1.2 ug/L	PC-71-20170824*
440-191584-1	M-205-20170906-EB*	09/06/17	Specific conductance	1.2 umhos/cm	M-205-20170906*
440-194465-1	M-214-20171017-EB*	10/17/17	Hexavalent chromium	0.89 ug/L	M-214-20171017*
440-194474-1	M-214-20171017-EB*	10/17/17	Specific conductance Sulfate Chlorate Perchlorate Alkalinity as CaCo3 Total dissolved solids Bicarbonate ion as HCO3	25 umhos/cm 310 ug/L 51 ug/L 54 ug/L 14000 ug/L 10000 ug/L 12000 ug/L	M-214-20171017*
440-194905-1	PC-187-20171024-EB*	10/24/17	Specific conductance Sulfide	7.8 umhos/cm 4.0 mg/L	PC-187-20171024 PC-187-20171024-FD
440-194993-1	PC-37-20171025-EB*	10/25/17	Specific conductance Alkalinity as CaCo3 Perchlorate Total dissolved solids Bicarbonate ion as HCO3	24 umhos/cm 11000 ug/L 1.1 ug/L 18000 ug/L 13000 ug/L	PC-37-20171025*
440-195437-1	PC-191-20171101-EB	11/01/17	Specific conductance	5.3 umhos/cm	PC-191-20171101
440-195714-1	M-214-20171103-EB	11/07/17	Alkalinity as CaCO3 Carbonate as CO3 Total dissolved solids Specific conductance	9700 ug/L 3800 ug/L 12000 ug/L 22 umhos/cm	M-214-20171103
440-195907-1	M-229-20171107-EB	11/07/17	Hexavalent chromium	0.47 ug/L	M-229-20171107

SDG	Blank ID	Collection Date	Analyte	Concentration	Associated Samples
440-195947-1	M-229-20171107-EB	11/07/17	Chloride Sulfate Alkalinity as CaCO <sub>3</sub> Bicarbonate ion as HCO <sub>3</sub> Carbonate as CO <sub>3</sub> Specific conductance Total dissolved solids	1000 ug/L 2200 ug/L 12000 ug/L 7100 ug/L 3900 ug/L 22 umhos/cm 11000 ug/L	M-229-20171107
440-195949-1	M-225-20171107-EB	11/07/17	Nitrate as NO <sub>3</sub> Nitrate/Nitrite as N Specific conductance	0.66 mg/L 150 ug/L 4.3 umhos/cm	M-225-20171107

Samples PC-184-20170912-FB\* (from SDG 440-192009-1), M-55-20170925-FB\* (from SDG 440-192897-1), PC-165-20170929-FB\* (from SDG 440-193226-1), M-233-20171016-FB\* (from SDG 440-194381-1), M-233-20171016-FB\* (from SDG 440-194404-1), PC-170-20171024-FB\* (from SDG 440-194896-1), PC-187-20171024-FB\* (from SDG 440-194903-1), PC-187-20171024-FB\* (from SDG 440-194905-1), PC-170-20171024-FB\* (from SDG 440-194908-1), M-186D-20171103-FB (from SDG 440-195691-1), M-186D-20171103-FB (from SDG 440-195714-1), M-236-20171107-FB (from SDG 440-195898-1), M-229-20171107-FB, M-223-20171107-FB (both from SDG 440-195907-1), M-229-20171107-FB, M-223-20171107-FB (both from SDG 440-195947-1), and M-236-20171107-FB (from SDG 440-195949-1) were identified as field blanks. No contaminants were found with the following exceptions:

SDG	Blank ID	Collection Date	Analyte	Concentration	Associated Samples
440-192009-1	PC-184-20170912-FB*	09/12/17	Specific conductance	1.1 umhos/cm	PC-184-20170912*
440-193226-1	PC-165-20170929-FB*	09/29/17	Hexavalent chromium Specific conductance Total dissolved solids	0.61 ug/L 13 umhos/cm 5000 ug/L	PC-165-20170929*
440-194404-1	M-233-20171016-FB*	10/16/17	Specific conductance	3.4 umhos/cm	M-233-20171016*
440-194905-1	PC-187-20171024-FB*	10/24/17	Specific conductance	7.5 umhos/cm	PC-187-20171024 PC-187-20171024-FD
440-195714-1	M-186D-20171103-FB	11/03/17	Alkalinity as CaCO <sub>3</sub> Carbonate as CO <sub>3</sub> Specific conductance Total dissolved solids	12000 ug/L 5200 ug/L 20 umhos/cm 12000 ug/L	M-186D-20171103
440-195898-1	M-236-20171107-FB	11/07/17	Hexavalent chromium	0.47 ug/L	M-236-20171107
440-195907-1	M-229-20171107-FB	11/07/17	Hexavalent chromium	0.38 ug/L	M-229-20171107

SDG	Blank ID	Collection Date	Analyte	Concentration	Associated Samples
440-195907-1	M-223-20171107-FB	11/07/17	Hexavalent chromium	0.43 ug/L	M-223-20171107
440-195947-1	M-229-20171107-FB	11/07/17	Chloride Sulfate Alkalinity as CaCO3 Bicarbonate ion as HCO3 Specific conductance	920 ug/L 2000 ug/L 4700 ug/L 5700 ug/L 11 umhos/cm	M-229-20171107
440-195947-1	M-223-20171107-FB	11/07/17	Chloride Specific conductance	300 ug/L 1.2 umhos/cm	M-223-20171107
440-195949-1	M-236-20171107-FB	11/07/17	Alkalinity as CaCO3 Bicarbonate ion as HCO3 Carbonate as CO3 Specific conductance Total dissolved solids	11000 ug/L 8000 ug/L 2900 ug/L 22 umhos/cm 11000 ug/L	M-236-20171107

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
440-194474-1	M-214-20171017*	Alkalinity as CaCo3	120000 ug/L	120000J+ ug/L
440-194993-1	PC-37-20171025*	Alkalinity as CaCo3 Bicarbonate ion as HCO3	89000 ug/L 110000 ug/L	89000J+ ug/L 110000J+ ug/L
440-195714-1	M-186D-20171103	Alkalinity as CaCO3	79000 ug/L	79000J+ ug/L
440-195947-1	M-229-20171107	Alkalinity as CaCO3	86000 ug/L	86000J+ ug/L
440-195949-1	M-236-20171107	Alkalinity as CaCO3	75000 ug/L	75000J+ ug/L
440-195949-1	M-225-20171107	Nitrate as NO3 Nitrate/Nitrite as N	4.5 mg/L 1200 ug/L	4.5J+ mg/L 1200J+ ug/L

## VI. Surrogates

Surrogates were added to all samples as required by EPA Method 300.1B. Surrogate recoveries (%R) were not within QC limits for several samples from SDGs 440-188296-1, 440-189060-1, and 440-189260-1. No data were qualified for samples analyzed at greater than or equal to 5X dilution.

## 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)	Affected Analytes	Flag	A or P
440-188296-1	M-195-140.0-20170718MS/MSD (M-197-100.0-20170712 M-197-110.0-20170712 M-197-120.0-20170712 M-197-120.0-20170712-FD M-197-130.0-20170712 M-197-140.0-20170712)	Perchlorate	446 (30-120)	320 (30-120)	Perchlorate	J+ (all detects)	A
440-188296-1	M-195-140.0-20170718MS/MSD (M-197-120.0-20170712 M-197-130.0-20170712 M-197-150.0-20170712)	Hexavalent chromium (insoluble)	49 (55-110)	-	Hexavalent chromium (insoluble)	J- (all detects) UJ (all non-detects)	A
440-188490-1	M-195-140.0-20170718MS/MSD (M-195-100.0-20170717)	Perchlorate	446 (30-120)	320 (30-120)	Perchlorate	J+ (all detects)	A
440-188490-1	M-195-140.0-20170718MS/MSD (M-195-100.0-20170717)	Hexavalent chromium (insoluble)	49 (55-110)	-	Hexavalent chromium (insoluble)	UJ (all non-detects)	A
440-188535-1	M-195-140.0-20170718MS/MSD** (M-195-120.0-20170718** M-195-140.0-20170718** M-195-150.0-20170718**)	Perchlorate	446 (30-120)	320 (30-120)	Perchlorate	J+ (all detects)	A
440-188535-1	M-195-140.0-20170718MS/MSD** (All soil samples in SDG 440-188535-1)	Hexavalent chromium (insoluble)	49 (55-110)	-	Hexavalent chromium (insoluble)	J- (all detects) UJ (all non-detects)	A
440-188942-1	RI-6-100.0-20170725MS/MSD (All soil samples in SDG 440-188942-1)	Perchlorate	-	76 (80-120)	Perchlorate	J- (all detects) UJ (all non-detects)	A
440-189140-1	RI-14-90.0-20170727MS/MSD (All soil samples in SDG 440-189140-1)	Perchlorate	57 (80-120)	59 (80-120)	Perchlorate	J- (all detects) UJ (all non-detects)	A
440-189140-1	RI-14-90.0-20170727MS/MSD (All soil samples in SDG 440-189140-1)	Chlorate	230 (75-125)	342 (75-125)	Chlorate	J+ (all detects)	A
440-189223-1	RI-15-30.0-20170730MS/MSD (RI-15-5.0-20170728** RI-15-10.0-20170728** RI-15-20.0-20170728**)	Hexavalent chromium (insoluble)	52 (55-110)	-	Hexavalent chromium (insoluble)	J- (all detects) UJ (all non-detects)	A

SDG	Spike ID (Associated Samples)	Analyte	MS (%R) (Limits)	MSD (%R) (Limits)	Affected Analytes	Flag	A or P
440-189260-1	RI-15-30.0-20170730MS/MSD (RI-15-30.0-20170730)	Hexavalent chromium (insoluble)	52 (55-110)	-	Hexavalent chromium (insoluble)	UJ (all non-detects)	A
440-189261-1	PCDB-4-10.0-20170730MS/MSD (PCDB-4-10.0-20170730)	Perchlorate	78 (80-120)	77 (80-120)	Perchlorate	J- (all detects)	A
440-190318-1	PCDB-12-70.0-20170814MS/MSD (All soil samples in SDG 440-190318-1)	Nitrate as NO3	75 (80-120)	67 (80-120)	Nitrate as NO3 Nitrate/Nitrite as N	J- (all detects) UJ (all non-detects) J- (all detects) UJ (all non-detects)	A
440-191076-1	PCDB-14-20.0-20170826-FDMS/MSD (PCDB-14-20.0-20170826 PCDB-14-20.0-20170826-FD)	Nitrate as NO3	-48 (80-120)	-30 (80-120)	Nitrate as NO3 Nitrate/Nitrite as N	J- (all detects) J- (all detects)	A
440-191076-1	PCDB-14-90.0-20170826MS/MSD (PCDB-14-5.0-20170826 PCDB-14-10.0-20170826 PCDB-14-40.0-20170826 PCDB-14-50.0-20170826 PCDB-14-60.0-20170826 PCDB-14-70.0-20170826 PCDB-14-80.0-20170826 PCDB-14-80.0-20170826-FD PCDB-14-90.0-20170826)	Perchlorate	79 (80-120)	74 (80-120)	Perchlorate	J- (all detects) UJ (all non-detects)	A
440-191691-1	M-206-20170907MS/MSD* (All samples in SDG 440-191691-1)	Sulfide	0 (70-130)	0 (70-130)	Sulfide	R (all non-detects)	A
440-192009-1	PC-184-20170912MS/MSD* (PC-187-20170912*)	Nitrite as N	141 (80-120)	145 (80-120)	Nitrite as N Nitrate/Nitrite as N	J+ (all detects) J+ (all detects)	A
440-192009-1	PC-185-20170912MS/MSD* (PC-185-20170912*)	Nitrite as N	178 (80-120)	179 (80-120)	Nitrite as N Nitrate/Nitrite as N	J+ (all detects) J+ (all detects)	A
440-192106-1	PC-162-20170913MS/MSD* (PC-162-20170913*)	Perchlorate	212 (80-120)	220 (80-120)	Perchlorate	J+ (all detects)	A
440-192217-1	M-235-20170914MS/MSD* (All samples in SDG 440-192217-1)	Orthophosphate as P	-	78 (80-120)	Orthophosphate as P	J- (all detects) UJ (all non-detects)	A
440-192628-1	PCDB-8-30.0-20170920MS/MSD (All soil samples in SDG 440-192628-1)	Nitrate as NO3	47 (80-120)	45 (80-120)	Nitrate as NO3 Nitrate/Nitrite as N	J- (all detects) UJ (all non-detects) J- (all detects) UJ (all non-detects)	A
440-192628-1	PCDB-8-30.0-20170920MS/MSD (All soil samples in SDG 440-192628-1)	Nitrite as N	19 (80-120)	12 (80-120)	Nitrite as N	R (all non-detects)	A

SDG	Spike ID (Associated Samples)	Analyte	MS (%R) (Limits)	MSD (%R) (Limits)	Affected Analytes	Flag	A or P
440-192628-1	PCDB-8-30.0-20170920MS/MSD (PCDB-8-10.0-20170920 PCDB-8-20.0-20170920 PCDB-8-20.0-20170920-FD PCDB-8-30.0-20170920)	Nitrite as N	19 (80-120)	12 (80-120)	Nitrate/Nitrite as N	J- (all detects)	A
440-192628-1	PCDB-8-30.0-20170920MS/MSD (PCDB-8-5.0-20170920 PCDB-8-40.0-20170920 PCDB-8-50.0-20170920 PCDB-8-60.0-20170920 PCDB-8-70.0-20170920 PCDB-8-80.0-20170920 PCDB-8-90.0-20170920)	Nitrite as N	19 (80-120)	12 (80-120)	Nitrate/Nitrite as N	R (all non-detects)	A
440-192628-1	PCDB-8-80.0-20170920MS/MSD (PCDB-8-80.0-20170920)	Nitrate as NO3	28 (80-120)	28 (80-120)	Nitrate as NO3 Nitrate/Nitrite as N	R (all non-detects) R (all non-detects)	A
440-192628-1	PCDB-8-80.0-20170920MS/MSD (All soil samples in SDG 440-192628-1)	Nitrite as N	26 (80-120)	26 (80-120)	Nitrite as N	R (all non-detects)	A
440-192628-1	PCDB-8-80.0-20170920MS/MSD (PCDB-8-10.0-20170920 PCDB-8-20.0-20170920 PCDB-8-20.0-20170920-FD PCDB-8-30.0-20170920)	Nitrite as N	26 (80-120)	26 (80-120)	Nitrate/Nitrite as N	J- (all detects)	A
440-192628-1	PCDB-8-80.0-20170920MS/MSD (PCDB-8-5.0-20170920 PCDB-8-40.0-20170920 PCDB-8-50.0-20170920 PCDB-8-60.0-20170920 PCDB-8-70.0-20170920 PCDB-8-80.0-20170920 PCDB-8-90.0-20170920)	Nitrite as N	26 (80-120)	26 (80-120)	Nitrate/Nitrite as N	R (all non-detects)	A
440-193988-1	PC-196-20171010MS/MSD* (All samples in SDG 440-193988-1)	Orthophosphate as P	53 (80-120)	64 (80-120)	Orthophosphate as P	J- (all detects) UJ (all non-detects)	A
440-193988-1	M-199-20171012MS/MSD* (All samples in SDG 440-193988-1)	Sulfide	0 (70-130)	0 (70-130)	Sulfide	R (all non-detects)	A
440-194107-1	M-199-20171012MS/MSD* (All samples in SDG 440-194107-1)	Total phosphorus	15 (75-125)	19 (75-125)	Total phosphorus	R (all non-detects)	A
440-194107-1	M-199-20171012MS/MSD* (PC-178-20171011*)	Sulfide	0 (70-130)	0 (70-130)	Sulfide	J- (all detects)	A



SDG	Spike ID (Associated Samples)	Analyte	MS (%R) (Limits)	MSD (%R) (Limits)	Affected Analytes	Flag	A or P
440-194107-1	M-199-20171012MS/MSD* (PC-197-20171011* PC-178-20171011-FD* M-225-20171011* M-223-20171011* M-93-20171011*)	Sulfide	0 (70-130)	0 (70-130)	Sulfide	R (all non-detects)	A
440-194194-1	M-199-20171012MS/MSD* (M-196-20171012*)	Total phosphorus	15 (75-125)	19 (75-125)	Total phosphorus	R (all non-detects)	A
440-194194-1	M-83D-20171013MS/MSD (M-196-20171012*)	Sulfide	-	58 (70-130)	Sulfide	UJ (all non-detects)	A
440-194219-1	M-199-20171012MS/MSD* (M-198-20171012* M-199-20171012*)	Total phosphorus	15 (75-125)	19 (75-125)	Total phosphorus	J- (all detects)	A
440-194219-1	M-199-20171012MS/MSD* (M-200-20171012*)	Total phosphorus	15 (75-125)	19 (75-125)	Total phosphorus	R (all non-detects)	A
440-194219-1	M-199-20171012MS/MSD* (All samples in SDG 440-194219-1)	Sulfide	0 (70-130)	0 (70-130)	Sulfide	R (all non-detects)	A
440-194282-1	M-199-20171012MS/MSD* (M-83D-20171013*)	Total phosphorus	15 (75-125)	19 (75-125)	Total phosphorus	J- (all detects)	A
440-194282-1	M-83D-20171013MS/MSD* (M-83D-20171013*)	Sulfide	-	58 (70-130)	Sulfide	UJ (all non-detects)	A
440-194301-1	M-220-20171013MS/MSD* (All samples in SDG 440-194301-1)	Nitrite as N	78 (80-120)	78 (80-120)	Nitrite as N	UJ (all non-detects)	A
440-194301-1	M-220-20171013MS/MSD* (All samples in SDG 440-194301-1)	Nitrate as NO3	-	128 (80-120)	Nitrate as NO3 Nitrate/Nitrite as N	J+ (all detects) J+ (all detects)	A
440-194472-1	M-149-20171017MS/MSD* (M-221-171017*)	Orthophosphate as P	137 (80-120)	142 (80-120)	Orthophosphate as P	J+ (all detects)	A
440-194771-1	PC-157A-20171020MS/MSD* (All samples in SDG 440-194771-1)	Orthophosphate as P	62 (80-120)	59 (80-120)	Orthophosphate as P	UJ (all non-detects)	A
440-194865-1	M-226-20171023MS/MSD* (M-226-20171023*)	Orthophosphate as P	19 (80-120)	21 (80-120)	Orthophosphate as P	J- (all detects)	A
440-194865-1	M-226-20171023MS/MSD* (M-81D-20171023* M-215-20171023* M-219-20171023* M-227-20171023*)	Orthophosphate as P	19 (80-120)	21 (80-120)	Orthophosphate as P	R (all non-detects)	A

SDG	Spike ID (Associated Samples)	Analyte	MS (%R) (Limits)	MSD (%R) (Limits)	Affected Analytes	Flag	A or P
440-194865-1	PC-173-20171024MS/MSD* (M-81D-20171023*)	Total phosphorus	23 (75-125)	23 (75-125)	Total phosphorus	R (all non-detects)	A
440-194865-1	PC-173-20171024MS/MSD* (M-215-20171023* M-219-20171023* M-227-20171023* M-226-20171023*)	Total phosphorus	23 (75-125)	23 (75-125)	Total phosphorus	J- (all detects)	A
440-194905-1	PC-185-20171024MS/MSD* (PC-183-20171024* PC-185-20171024* PC-187-20171024*)	Perchlorate	50 (80-120)	47 (80-120)	Perchlorate	J- (all detects)	A
440-194905-1	PC-173-20171024MS/MSD* (PC-184-20171024* PC-187-20171024-FD*)	Perchlorate	77 (80-120)	71 (80-120)	Perchlorate	J- (all detects)	A
440-194908-1	PC-173-20171024MS/MSD* (PC-173-20171024*)	Perchlorate	77 (80-120)	71 (80-120)	Perchlorate	J- (all detects)	A
440-194908-1	PC-173-20171024MS/MSD* (PC-182-20171024* PC-182-20171024-FD* PC-181-20171024* PC-180-20171024* PC-173-20171024*)	Total phosphorus	23 (75-125)	23 (75-125)	Total phosphorus	J- (all detects)	A
440-194997-1	MC-65R-20171025MS/MSD* (H-49R-20171025*)	Orthophosphate as P	123 (80-120)	-	Orthophosphate as P	J+ (all detects)	A
440-194997-1	MC-65R-20171025MS/MSD* (All samples in SDG 440-194997-1)	Sulfide	-	64 (70-130)	Sulfide	UJ (all non-detects)	A
440-195149-1	MC-65R-20171025MS/MSD* (All samples in SDG 440-195149-1)	Sulfide	-	64 (70-130)	Sulfide	UJ (all non-detects)	A
440-195152-1	MC-65R-20171025MS/MSD* (All samples in SDG 440-195152-1)	Sulfide	-	64 (70-130)	Sulfide	UJ (all non-detects)	A
440-195333-1	PC-174-20171030MS/MSD* (All samples in SDG 440-195333-1)	Sulfide	64 (80-120)	64 (80-120)	Sulfide	UJ (all non-detects)	A
440-195368-1	PC-177-20171031MS/MSD (All samples in SDG 440-195368-1)	Orthophosphate as P	71 (80-120)	71 (80-120)	Orthophosphate as P	J- (all detects) UJ (all non-detects)	A
440-195368-1	PC-174-20171030MS/MSD* (All samples in SDG 440-195368-1)	Sulfide	64 (70-130)	64 (70-130)	Sulfide	J- (all detects) UJ (all non-detects)	A

SDG	Spike ID (Associated Samples)	Analyte	MS (%R) (Limits)	MSD (%R) (Limits)	Affected Analytes	Flag	A or P
440-195817-1	M-212-20171106MS/MSD (All samples in SDG 440-195817-1)	Chloride	124 (80-120)	125 (80-120)	Chloride	J+ (all detects)	A
440-195949-1	M-213-20171107MS/MSD (M-236-20171107 M-213-20171107)	Nitrate as NO3	54 (80-120)	47 (80-120)	Nitrate as NO3 Nitrate/Nitrite as N	J- (all detects) J- (all detects)	A
440-195949-1	M-213-20171107MS/MSD (M-213-20171107)	Perchlorate	127 (80-120)	124 (80-120)	Perchlorate	J+ (all detects)	A

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

SDG	LCS ID (Associated Samples)	Analyte	RPD (Limits)	Flag	A or P
440-189140-1	RI-14-90.0-20170727MS/MSD (All soil samples in SDG 440-189140-1)	Chlorate	24 (≤20)	J (all detects)	A
440-195333-1	PC-192-20171030MS/MSD* (All samples in SDG 440-195333-1)	Orthophosphate as P	33 (≤20)	UJ (all non-detects)	A

### VIII. Duplicate Sample Analysis

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

### IX. Laboratory Control Samples

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

### X. Field Duplicates

Samples M-197-120.0-20170712 and M-197-120.0-20170712-FD (both from SDG 440-188296-1), samples RI-6-90.0-20170725 and RI-6-90.0-20170725-FD (both from SDG 440-188942-1), samples RI-14-70.0-20170726 and RI-14-70.0-20170726-FD (both from SDG 440-189060-1), samples RI-14-100.0-20170727 and RI-14-100.0-20170727-FD (both from SDG 440-189140-1), samples RI-15-90.0-20170730 and RI-15-90.0-20170730-FD (both from SDG 440-189260-1), samples RI-15-110.0-20170731\*\* and RI-15-110.0-20170731-FD\*\* (both from SDG 440-189289-1), samples PCDB-11-10.0-20170811 and PCDB-11-10.0-20170811-FD (both from SDG 440-190153-1), samples PCDB-11-40.0-20170811 and PCDB-11-40.0-20170811-FD (both from SDG 440-

190153-1), samples PCDB-11-80.0-20170811 and PCDB-11-80.0-20170811-FD (both from SDG 440-190153-1), samples PCDB-10-10.0-20170812 and PCDB-10-10.0-20170812-FD (both from SDG 440-190181-1), samples PCDB-10-40.0-20170812 and PCDB-10-40.0-20170812-FD (both from SDG 440-190181-1), samples PCDB-10-70.0-20170813 and PCDB-10-70.0-20170813-FD (both from SDG 440-190181-1), samples PCDB-13-10.0-20170813 and PCDB-13-10.0-20170813-FD (both from SDG 440-190181-1), samples PCDB-13-40.0-20170813 and PCDB-13-40.0-20170813-FD (both from SDG 440-190181-1), samples PCDB-13-80.0-20170814 and PCDB-13-80.0-20170814-FD (both from SDG 440-190277-1), samples PCDB-12-20.0-20170814 and PCDB-12-20.0-20170814-FD (both from SDG 440-190277-1), samples PCDB-12-60.0-20170814 and PCDB-12-60.0-20170814-FD (both from SDG 440-190277-1), samples PCDB-5-20.0-20170815 and PCDB-5-20.0-20170815-FD (both from SDG 440-190318-1), samples PCDB-5-60.0-20170815 and PCDB-5-60.0-20170815-FD (both from SDG 440-190318-1), samples PCDB-12-90.0-20170814 and PCDB-12-90.0-20170814-FD (both from SDG 440-190318-1), samples H-49A-20170822\* and H-49A-20170822-FD\* (both from SDG 440-190751-1), samples PC-72-20170824\* and PC-72-20170824-FD\* (both from SDG 440-190949-1), samples PCDB-14-20.0-20170826 and PCDB-14-20.0-20170826-FD (both from SDG 440-191076-1), samples PCDB-14-50.0-20170826 and PCDB-14-50.0-20170826-FD (both from SDG 440-191076-1), samples PCDB-14-80.0-20170826 and PCDB-14-80.0-20170826-FD (both from SDG 440-191076-1), samples M-236-20170906\* and M-236-20170906-FD\* (both from SDG 440-191584-1), samples M-243-20170908\* and M-243-20170908-FD\* (both from SDG 440-191775-1), samples PC-173-20170911\* and PC-173-20170911-FD\* (both from SDG 440-191907-1), samples PCDB-9-30.0-20170919\*\* and PCDB-9-30.0-20170919-FD\*\* (both from SDG 440-192570-1), samples PCDB-9-80.0-20170919\*\* and PCDB-9-80.0-20170919-FD\*\* (both from SDG 440-192570-1), samples PCDB-8-20.0-20170920 and PCDB-8-20.0-20170920-FD (both from SDG 440-192628-1), samples M-55-20170925\* and M-55-20170925-FD\* (both from SDG 440-192897-1), samples PC-194-20170927\* and PC-194-20170927-FD\* (both from SDG 440-193060-1), samples PC-178-20171011\* and PC-178-20171011-FD\* (both from SDG 440-194107-1), samples PC-155A-20171019\* and PC-155A-20171019-FD\* (both from SDG 440-194664-1), samples PC-155A-20171019\* and PC-155A-20171019-FD\* (both from SDG 440-194700-1), samples PC-182-20171024\* and PC-182-20171024-FD\* (both from SDG 440-194896-1), samples PC-187-20171024\* and PC-187-20171024-FD\* (both from SDG 440-194903-1), samples PC-187-20171024\* and PC-187-20171024-FD\* (both from SDG 440-194905-1), samples PC-182-20171024\* and PC-182-20171024-FD\* (both from SDG 440-194908-1), samples PC-72-20171026\* and PC-72-20171026-FD\* (both from SDG 440-195109-1), samples PC-72-20171026\* and PC-72-20171026-FD\* (both from SDG 440-195152-1), samples PC-162-20171031\* and PC-162-20171031-FD\* (both from SDG 440-195367-1), samples PC-161-20171031\* and PC-161-20171031-FD\* (both from SDG 440-195367-1), samples PC-162-20171031\* and PC-162-20171031-FD\* (both from SDG 440-195368-1), samples PC-161-20171031\* and PC-161-20171031-FD\* (both from SDG 440-195368-1), samples PC-165-20171101 and PC-165-20171101-FD (both from SDG 440-195435-1), samples M-239-20171101 and M-239-20171101-FD (both from SDG 440-195436-1), samples PC-165-20171101 and PC-165-20171101-FD (both from SDG 440-195437-1), samples M-239-20171101 and M-239-20171101-FD (both from SDG 440-195438-1), samples PC-186-20171103 and PC-186-20171103-FD

(both from SDG 440-195693-1), samples M-234-20171106 and M-234-20171106-FD (both from SDG 440-195797-1), samples M-209-20171106 and M-209-20171106-FD (both from SDG 440-195798-1), samples M-209-20171106 and M-209-20171106-FD (both from SDG 440-195817-1), samples M-234-20171106 and M-234-20171106-FD (both from SDG 440-195823-1), samples M-231-20171107 and M-231-20171107-FD (both from SDG 440-195907-1), samples M-230-20171107 and M-230-20171107-FD (both from SDG 440-195907-1), samples M-231-20171107 and M-231-20171107-FD (both from SDG 440-195947-1), and samples M-230-20171107 and M-230-20171107-FD (both from SDG 440-195947-1) were identified as field duplicates. No results were detected in any of the samples with the following exceptions:

SDG	Analyte	Concentration (mg/Kg)		RPD (Limits)	Flag	A or P
		M-197-120.0-20170712	M-197-120.0-20170712-FD			
440-188296-1	Chlorate	820	830	1 (≤50)	-	-
	Nitrate as NO3	13	16	21 (≤50)	-	-
	Nitrate/Nitrite as N	2.9	3.6	22 (≤50)	-	-
	Perchlorate	250	270	8 (≤50)	-	-
	Hexavalent chromium	2.1	2.3	9 (≤50)	-	-

SDG	Analyte	Concentration (mg/Kg)		RPD (Limits)	Flag	A or P
		RI-6-90.0-20170725	RI-6-90.0-20170725-FD			
440-188942-1	Chlorate	3.6	4.4	20 (≤50)	-	-
	Nitrate as NO3	8.2	8.6	5 (≤50)	-	-
	Nitrate/Nitrite as N	1.9	1.9	0 (≤50)	-	-
	Perchlorate	0.76	0.78	3 (≤50)	-	-

SDG	Analyte	Concentration (mg/Kg)		RPD (Limits)	Flag	A or P
		RI-14-70.0-20170726	RI-14-70.0-20170726-FD			
440-189060-1	Chlorate	820	840	2 (≤50)	-	-
	Nitrate as NO3	17	18	6 (≤50)	-	-

SDG	Analyte	Concentration (mg/Kg)		RPD (Limits)	Flag	A or P
		RI-14-70.0-20170726	RI-14-70.0-20170726-FD			
440-189060-1	Nitrate/Nitrite as N	3.9	4.1	5 (≤50)	-	-
	Perchlorate	200	210	5 (≤50)	-	-

SDG	Analyte	Concentration (mg/Kg)		RPD (Limits)	Flag	A or P
		RI-14-100.0-20170727	RI-14-100.0-20170727-FD			
440-189140-1	Chlorate	11	13	17 (≤50)	-	-
	Perchlorate	1.4	0.81	53 (≤50)	J (all detects)	A

SDG	Analyte	Concentration (mg/Kg)		RPD (Limits)	Flag	A or P
		RI-15-90.0-20170730	RI-15-90.0-20170730-FD			
440-189260-1	Chlorate	95	94	1 (≤50)	-	-
	Perchlorate	17	15	13 (≤50)	-	-

SDG	Analyte	Concentration (mg/Kg)		RPD (Limits)	Flag	A or P
		RI-15-110.0-20170731**	RI-15-110.0-20170731-FD**			
440-189289-1	Nitrate as NO3	7.1	6.0	17 (≤50)	-	-
	Chlorate	85	81	5 (≤50)	-	-
	Perchlorate	6.4	11	53 (≤50)	J (all detects)	A

SDG	Analyte	Concentration (mg/Kg)		RPD (Limits)	Flag	A or P
		PCDB-11-10.0-20170811	PCDB-11-10.0-20170811-FD			
440-190153-1	Chlorate	1.2	1.4	15 (≤50)	-	-
	Nitrate as NO3	160	160	0 (≤50)	-	-
	Nitrate/Nitrite as N	37	37	0 (≤50)	-	-

SDG	Analyte	Concentration (mg/Kg)		RPD (Limits)	Flag	A or P
		PCDB-11-10.0-20170811	PCDB-11-10.0-20170811-FD			
440-190153-1	Perchlorate	17	20	16 (≤50)	-	-

SDG	Analyte	Concentration (mg/Kg)		RPD (Limits)	Flag	A or P
		PCDB-11-40.0-20170811	PCDB-11-40.0-20170811-FD			
440-190153-1	Chlorate	16	16	0 (≤50)	-	-
	Nitrate as NO3	12	14	15 (≤50)	-	-
	Nitrate/Nitrite as N	2.7	3.2	17 (≤50)	-	-
	Perchlorate	38	38	0 (≤50)	-	-

SDG	Analyte	Concentration (mg/Kg)		RPD (Limits)	Flag	A or P
		PCDB-11-80.0-20170811	PCDB-11-80.0-20170811-FD			
440-190153-1	Chlorate	18	19	5 (≤50)	-	-
	Nitrite as N	1.9U	1.5	200 (≤50)	NQ	-
	Nitrate as NO3	14	22	44 (≤50)	-	-
	Nitrate/Nitrite as N	3.2	6.4	67 (≤50)	J (all detects)	A
	Perchlorate	28	67	82 (≤50)	J (all detects)	A

SDG	Analyte	Concentration (mg/Kg)		RPD (Limits)	Flag	A or P
		PCDB-10-10.0-20170812	PCDB-10-10.0-20170812-FD			
440-190181-1	Chlorate	0.80	0.84	5 (≤50)	-	-
	Nitrate as NO3	9.4	9.5	1 (≤50)	-	-
	Nitrate/Nitrite as N	2.1	2.1	0 (≤50)	-	-
	Perchlorate	4.6	4.1	11 (≤50)	-	-

SDG	Analyte	Concentration (mg/Kg)		RPD (Limits)	Flag	A or P
		PCDB-10-40.0-20170812	PCDB-10-40.0-20170812-FD			
440-190181-1	Chlorate	20	18	11 (≤50)	-	-
	Nitrate as NO3	22	19	15 (≤50)	-	-
	Nitrate/Nitrite as N	4.9	4.4	11 (≤50)	-	-
	Perchlorate	78	72	8 (≤50)	-	-

SDG	Analyte	Concentration (mg/Kg)		RPD (Limits)	Flag	A or P
		PCDB-10-70.0-20170813	PCDB-10-70.0-20170813-FD			
440-190181-1	Chlorate	51	43	17 (≤50)	-	-
	Nitrate as NO3	17	22	26	-	-
	Nitrate/Nitrite as N	3.9	5	25	-	-
	Perchlorate	65	17	117 (≤50)	J (all detects)	A

SDG	Analyte	Concentration (mg/Kg)		RPD (Limits)	Flag	A or P
		PCDB-13-10.0-20170813	PCDB-13-10.0-20170813-FD			
440-190181-1	Chlorate	4.0	4.1	2 (≤50)	-	-
	Nitrate as NO3	23	20	14 (≤50)	-	-
	Nitrate/Nitrite as N	5.2	4.5	14 (≤50)	-	-
	Perchlorate	4.5	5.3	16 (≤50)	-	-

SDG	Analyte	Concentration (mg/Kg)		RPD (Limits)	Flag	A or P
		PCDB-13-40.0-20170813	PCDB-13-40.0-20170813-FD			
440-190181-1	Chlorate	180	180	0 (≤50)	-	-
	Nitrite as N	1.6	1.8	12 (≤50)	-	-



SDG	Analyte	Concentration (mg/Kg)		RPD (Limits)	Flag	A or P
		PCDB-13-40.0-20170813	PCDB-13-40.0-20170813-FD			
440-190181-1	Nitrate as NO3	59	65	10 (≤50)	-	-
	Nitrate/Nitrite as N	15	17	13 (≤50)	-	-
	Perchlorate	200	220	10 (≤50)	-	-

SDG	Analyte	Concentration (mg/Kg)		RPD (Limits)	Flag	A or P
		PCDB-13-80.0-20170814	PCDB-13-80.0-20170814-FD			
440-190277-1	Chlorate	1.4	1.3	7 (≤50)	-	-
	Perchlorate	1.3	1.3	0 (≤50)	-	-

SDG	Analyte	Concentration (mg/Kg)		RPD (Limits)	Flag	A or P
		PCDB-12-20.0-20170814	PCDB-12-20.0-20170814-FD			
440-190277-1	Chlorate	2.8	2.7	4 (≤50)	-	-
	Nitrate as NO3	14	10	33 (≤50)	-	-
	Nitrate/Nitrite as N	3.1	2.3	30 (≤50)	-	-
	Perchlorate	12	15	22 (≤50)	-	-

SDG	Analyte	Concentration (mg/Kg)		RPD (Limits)	Flag	A or P
		PCDB-12-60.0-20170814	PCDB-12-60.0-20170814-FD			
440-190277-1	Chlorate	4.8	4.7	2 (≤50)	-	-
	Nitrate as NO3	5.5	4.4	22 (≤50)	-	-
	Perchlorate	18	12	40 (≤50)	-	-

SDG	Analyte	Concentration (mg/Kg)		RPD (Limits)	Flag	A or P
		PCDB-5-20.0-20170815	PCDB-5-20.0-20170815-FD			
440-190318-1	Chlorate	4.1	4.3	5 (≤50)	-	-
	Nitrate as NO3	12	16	29 (≤50)	-	-
	Nitrate/Nitrite as N	2.7	3.6	29 (≤50)	-	-
	Perchlorate	1.6	2.1	27 (≤50)	-	-

SDG	Analyte	Concentration (mg/Kg)		RPD (Limits)	Flag	A or P
		PCDB-5-60.0-20170815	PCDB-5-60.0-20170815-FD			
440-190318-1	Chlorate	1.1	1.4	24 (≤50)	-	-
	Perchlorate	0.25	3.1	21 (≤50)	-	-

SDG	Analyte	Concentration (mg/Kg)		RPD (Limits)	Flag	A or P
		PCDB-12-90.0-20170814	PCDB-12-90.0-20170814-FD			
440-190318-1	Chlorate	49	54	10 (≤50)	-	-
	Nitrate as NO3	16	16	0 (≤50)	-	-
	Nitrate/Nitrite as N	3.7	3.5	6 (≤50)	-	-
	Perchlorate	34	32	6 (≤50)	-	-

SDG	Analyte	Concentration (ug/L)		RPD (Limits)	Flag	A or P
		H-49A-20170822*	H-49A-20170822-FD*			
440-190751-1	Chlorate	1200	1200	0 (≤30)	-	-
	Total dissolved solids	1800	1800	0 (≤30)	-	-
	Perchlorate	15000000	15000000	0 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		PC-72-20170824*	PC-72-20170824-FD*			
440-190949-1	Chlorate	170000 ug/L	170000 ug/L	0 (≤30)	-	-
	Nitrate as NO3	98 mg/L	97 mg/L	1 (≤30)	-	-
	Hexavalent chromium	180 ug/L	170 ug/L	6 (≤30)	-	-
	Total dissolved solids	7300000 ug/L	7200000 ug/L	1 (≤30)	-	-
	Perchlorate	300000 ug/L	280000 ug/L	7 (≤30)	-	-

SDG	Analyte	Concentration (mg/Kg)		RPD (Limits)	Flag	A or P
		PCDB-14-20.0-20170826	PCDB-14-20.0-20170826-FD			
440-191076-1	Chlorate	13	13	0 (≤50)	-	-
	Nitrate as NO3	180	210	15 (≤50)	-	-
	Nitrate/Nitrite as N	41	47	14 (≤50)	-	-
	Perchlorate	7.4	8.4	13 (≤50)	-	-

SDG	Analyte	Concentration (mg/Kg)		RPD (Limits)	Flag	A or P
		PCDB-14-50.0-20170826	PCDB-14-50.0-20170826-FD			
440-191076-1	Chlorate	49	49	0 (≤50)	-	-
	Nitrate as NO3	13	13	0 (≤50)	-	-
	Nitrate/Nitrite as N	2.9	2.9	0 (≤50)	-	-
	Perchlorate	54	50	8 (≤50)	-	-

SDG	Analyte	Concentration (mg/Kg)		RPD (Limits)	Flag	A or P
		PCDB-14-80.0-20170826	PCDB-14-80.0-20170826-FD			
440-191076-1	Chlorate	1.2	1.3	8 (≤50)	-	-
	Perchlorate	1.4	2.2	44 (≤50)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		M-236-20170906*	M-236-20170906-FD*			
440-191584-1	Hexavalent chromium	9.2 ug/L	8.9 ug/L	3 (≤30)	-	-
	Bromide	1500 ug/L	1600 ug/L	6 (≤30)	-	-
	Nitrate as NO3	7.8 mg/L	7.8 mg/L	0 (≤30)	-	-
	Chloride	180000 ug/L	180000 ug/L	0 (≤30)	-	-
	Sulfate	540000 ug/L	540000 ug/L	0 (≤30)	-	-
	Chlorate	3200 ug/L	3300 ug/L	3 (≤30)	-	-
	Perchlorate	810 ug/L	810 ug/L	0 (≤30)	-	-
	Nitrate/Nitrite as N	1800 ug/L	1800 ug/L	0 (≤30)	-	-
	Total Phosphorus	71 ug/L	76 ug/L	7 (≤30)	-	-
	pH	7.9 SU	7.9 SU	0 (≤30)	-	-
	Alkalinity as CaCO3	67000 ug/L	67000 ug/L	0 (≤30)	-	-
	Bicarbonate ion as CaCO3	82000 ug/L	82000 ug/L	0 (≤30)	-	-
	Specific conductance	1900 umhos/cm	1900 umhos/cm	0 (≤30)	-	-
	Total dissolved solids	1300000 ug/L	1300000 ug/L	0 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		M-243-20170908*	M-243-20170908-FD*			
440-191775-1	Chloride	2200000 ug/L	2500000 ug/L	13 (≤30)	-	-
	Sulfate	1100000 ug/L	1100000 ug/L	0 (≤30)	-	-
	Total phosphorus	37 ug/L	27 ug/L	31 (≤30)	NQ	-
	pH	7.6 SU	7.6 SU	0 (≤30)	-	-
	Alkalinity as CaCO3	57000 ug/L	57000 ug/L	0 (≤30)	-	-
	Bicarbonate ion as CaCO3	69000 ug/L	70000 ug/L	1 (≤30)	-	-
	Specific conductance	8100 umhos/cm	8100 umhos/cm	0 (≤30)	-	-
	Total dissolved solids	6200000 ug/L	6200000 ug/L	0 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		PC-173-20170911*	PC-173-20170911-FD*			
440-191907-1	Chloride	6700000 ug/L	6500000 ug/L	3 (≤30)	-	-
	Sulfate	2200000 ug/L	2200000 ug/L	0 (≤30)	-	-
	Chlorate	34000 ug/L	33000 ug/L	3 (≤30)	-	-
	Perchlorate	20000 ug/L	22000 ug/L	10 (≤30)	-	-
	Total phosphorus	42 ug/L	77 ug/L	59 (≤30)	NQ	-
	pH	7.5 SU	7.5 SU	0 (≤30)	-	-
	Alkalinity as CaCO3	220000 ug/L	230000 ug/L	4 (≤30)	-	-
	Bicarbonate ion as CaCO3	270000 ug/L	280000 ug/L	4 (≤30)	-	-
	Specific conductance	22000 umhos/cm	22000 umhos/cm	0 (≤30)	-	-
	Total dissolved solids	15000000 ug/L	15000000 ug/L	0 (≤30)	-	-
	Dissolved organic carbon	3100 ug/L	3000 ug/L	3 (≤30)	-	-

SDG	Analyte	Concentration (mg/Kg)		RPD (Limits)	Flag	A or P
		PCDB-9-30.0-20170919**	PCDB-9-30.0-20170919-FD**			
440-192570-1	Chlorate	640	630	2 (≤50)	-	-
	Nitrate as NO3	130	140	7 (≤50)	-	-
	Nitrate/Nitrite as N	30	32	6 (≤50)	-	-
	Perchlorate	470	490	4 (≤50)	-	-

SDG	Analyte	Concentration (mg/Kg)		RPD (Limits)	Flag	A or P
		PCDB-9-80.0-20170919**	PCDB-9-80.0-20170919-FD**			
440-192570-1	Chlorate	0.088	0.084	5 (≤50)	-	-
	Perchlorate	0.10	0.073	31 (≤50)	-	-

SDG	Analyte	Concentration (mg/Kg)		RPD (Limits)	Flag	A or P
		PCDB-8-20.0-20170920	PCDB-8-20.0-20170920-FD			
440-192628-1	Chlorate	110	120	9 (≤50)	-	-
	Nitrate as N	31	33	6 (≤50)	-	-
	Nitrate/Nitrite as N	7.0	7.5	7 (≤50)	-	-
	Perchlorate	48	71	39 (≤50)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		PC-194-20170927*	PC-194-20170927-FD*			
440-193060-1	pH	7.9 SU	7.9 SU	0 (≤30)	-	-
	Bromide	430 ug/L	450 ug/L	5 (≤30)	-	-
	Chloride	310000 ug/L	310000 ug/L	0 (≤30)	-	-
	Sulfate	680000 ug/L	690000 ug/L	1 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		PC-194-20170927*	PC-194-20170927-FD*			
440-193060-1	Total phosphorus	86 ug/L	85 ug/L	1 (≤30)	-	-
	Total dissolved solid	1800000 ug/L	1800000 ug/L	0 (≤30)	-	-
	Alkalinity as CaCO3	77000 ug/L	76000 ug/L	1 (≤30)	-	-
	Bicarbonate ion as CaCO3	94000 ug/L	92000 ug/L	2 (≤30)	-	-
	Specific conductance	2500 umhos/cm	2500 umhos/cm	0 (≤30)	-	-
	Dissolved organic carbon	7100 ug/L	7100 ug/L	0 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		PC-178-20171011*	PC-178-20171011-FD*			
440-194107-1	Hexavalent chromium	0.41 ug/L	0.46 ug/L	11 (≤30)	-	-
	Bromide	620 ug/L	620 ug/L	0 (≤30)	-	-
	Chloride	370000 ug/L	370000 ug/L	0 (≤30)	-	-
	Sulfate	1200000 ug/L	1200000 ug/L	0 (≤30)	-	-
	Perchlorate	15 ug/L	13 ug/L	14 (≤30)	-	-
	Sulfide	4.8 mg/L	4.0U mg/L	18 (≤30)	-	-
	pH	7.7 SU	7.7 SU	0 (≤30)	-	-
	Alkalinity as CaCo3	68000 ug/L	68000 ug/L	0 (≤30)	-	-
	Bicarbonate ion as HCO3	83000 ug/L	83000 ug/L	0 (≤30)	-	-
	Specific conductance	3200 umhos/cm	3200 umhos/cm	0 (≤30)	-	-
	Total dissolved solids	2600000 ug/L	2600000 ug/L	0 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		PC-155A-20171019*	PC-155A-20171019-FD*			
440-194700-1	Bromide	930 ug/L	920 ug/L	1 (≤30)	-	-
	Chloride	590000 ug/L	580000 ug/L	2 (≤30)	-	-
	Nitrate as NO3	18 mg/L	19 mg/L	5 (≤30)	-	-
	Sulfate	1400000 ug/L	1400000 ug/L	0 (≤30)	-	-
	Chlorate	490 ug/L	520 ug/L	6 (≤30)	-	-
	Perchlorate	2400 ug/L	2500 ug/L	4 (≤30)	-	-
	Nitrate/Nitrite as N	4000 ug/L	4300 ug/L	7 (≤30)	-	-
	Total phosphorus	160 ug/L	120 ug/L	29 (≤30)	-	-
	pH	7.6 SU	7.7 SU	1 (≤30)	-	-
	Alkalinity as CaCo3	180000 ug/L	180000 ug/L	0 (≤30)	-	-
	Bicarbonate ion as HCO3	220000 ug/L	220000 ug/L	0 (≤30)	-	-
	Specific conductance	4500 umhos/cm	4500 umhos/cm	0 (≤30)	-	-
	Total dissolved solids	3500000 ug/L	3500000 ug/L	0 (≤30)	-	-
	Dissolved organic carbon	1700 ug/L	1700 ug/L	0 (≤30)	-	-

SDG	Analyte	Concentration (ug/L)		RPD (Limits)	Flag	A or P
		PC-182-20171024*	PC-182-20171024-FD*			
440-194896-1	Hexavalent chromium	6.9	6.8	1 (≤30)	-	-

SDG	Analyte	Concentration (ug/L)		RPD (Limits)	Flag	A or P
		PC-187-20171024*	PC-187-20171024-FD*			
440-194903-1	Hexavalent chromium	1500	1500	0 (≤30)	-	-



SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		PC-187-20171024*	PC-187-20171024-FD*			
440-194905-1	Chloride	2000000 ug/L	2000000 ug/L	0 (≤30)	-	-
	Nitrate as NO3	290 mg/L	280 mg/L	4 (≤30)	-	-
	Sulfate	1900000 ug/L	1800000 ug/L	5 (≤30)	-	-
	Chlorate	1100000 ug/L	1500000 ug/L	31 (≤30)	J (all detects)	A
	Perchlorate	980000 ug/L	880000 ug/L	11 (≤30)	-	-
	pH	7.4 SU	7.4 SU	0 (≤30)	-	-
	Alkalinity as CaCo3	87000 ug/L	88000 ug/L	1 (≤30)	-	-
	Bicarbonate ion as HCO3	110000 ug/L	110000 ug/L	0 (≤30)	-	-
	Specific conductance	11000 umhos/cm	11000 umhos/cm	0 (≤30)	-	-
	Total dissolved solids	8900000 ug/L	8900000 ug/L	0 (≤30)	-	-
	Dissolved organic carbon	1400 ug/L	1500 ug/L	7 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		PC-182-20171024*	PC-182-20171024-FD*			
440-194908-1	Bromide	340 ug/L	340 ug/L	0 (≤30)	-	-
	Chloride	210000 ug/L	210000 ug/L	0 (≤30)	-	-
	Nitrate as NO3	0.33 mg/L	0.33 mg/L	0 (≤30)	-	-
	Sulfate	240000 ug/L	240000 ug/L	0 (≤30)	-	-
	Chlorate	130 ug/L	120 ug/L	8 (≤30)	-	-
	Perchlorate	490 ug/L	490 ug/L	0 (≤30)	-	-
	Total phosphorus	55 ug/L	54 ug/L	2 (≤30)	-	-
	pH	7.9 SU	7.9 SU	0 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		PC-182-20171024*	PC-182-20171024-FD*			
440-194908-1	Alkalinity as CaCo3	150000 ug/L	150000 ug/L	0 (≤30)	-	-
	Bicarbonate ion as HCO3	180000 ug/L	18000 ug/L	0 (≤30)	-	-
	Specific conductance	1400 umhos/cm	1400 umhos/cm	0 (≤30)	-	-
	Total dissolved solids	900000 ug/L	900000 ug/L	0 (≤30)	-	-
	Dissolved organic carbon	2000 ug/L	660 ug/L	101 (≤30)	NQ	-

SDG	Analyte	Concentration (ug/L)		RPD (Limits)	Flag	A or P
		PC-72-20171026*	PC-72-20171026-FD*			
440-195109-1	Hexavalent chromium	160	160	0 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		PC-72-20171026*	PC-72-20171026-FD*			
440-195152-1	Nitrate/Nitrite as N	22000 ug/L	22000 ug/L	0 (≤30)	-	-
	Chloride	1600000 ug/L	1600000 ug/L	0 (≤30)	-	-
	Nitrate as NO3	98 mg/L	98 mg/L	0 (≤30)	-	-
	Sulfate	2300000 ug/L	2300000 ug/L	0 (≤30)	-	-
	Chlorate	170000 ug/L	150000 ug/L	13 (≤30)	-	-
	Perchlorate	280000 ug/L	260000 ug/L	7 (≤30)	-	-
	Total phosphorus	70 ug/L	29 ug/L	83 (≤30)	NQ	-
	pH	7.8 SU	7.8 SU	0 (≤30)	-	-
	Alkalinity as CaCo3	61000 ug/L	61000 ug/L	0 (≤30)	-	-
	Bicarbonate ion as HCO3	74000 ug/L	75000 ug/L	1 (≤30)	-	-
	Specific conductance	9100 umhos/cm	9100 umhos/cm	0 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		PC-72-20171026*	PC-72-20171026-FD*			
440-195152-1	Total dissolved solids	7000000 ug/L	7000000 ug/L	0 (≤30)	-	-
	Dissolved organic carbon	1100 ug/L	1100 ug/L	0 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		PC-162-20171031*	PC-162-20171031-FD*			
440-195368-1	Chloride	3400000 ug/L	3600000 ug/L	6 (≤30)	-	-
	Sulfate	1900000 ug/L	1800000 ug/L	5 (≤30)	-	-
	Sulfide	25 mg/L	23 mg/L	8 (≤30)	-	-
	Total phosphorus	140 ug/L	120 ug/L	15 (≤30)	-	-
	pH	7.6 SU	7.6 SU	0 (≤30)	-	-
	Alkalinity as CaCo3	240000 ug/L	230000 ug/L	4 (≤30)	-	-
	Bicarbonate ion as HCO3	290000 ug/L	290000 ug/L	0 (≤30)	-	-
	Specific conductance	14000 umhos/cm	14000 umhos/cm	0 (≤30)	-	-
	Total dissolved solids	9000000 ug/L	9000000 ug/L	0 (≤30)	-	-
	Dissolved organic carbon	1700 ug/L	1700 ug/L	0 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		PC-161-20171031*	PC-161-20171031-FD*			
440-195368-1	Nitrate/Nitrite as N	3400 ug/L	3500 ug/L	3 (≤30)	-	-
	Chloride	1200000 ug/L	1100000 ug/L	9 (≤30)	-	-
	Nitrate as NO3	15 mg/L	16 mg/L	6 (≤30)	-	-
	Sulfate	1200000 ug/L	1200000 ug/L	0 (≤30)	-	-
	Chlorate	2200 ug/L	2400 ug/L	9 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		PC-161-20171031*	PC-161-20171031-FD*			
440-195368-1	Perchlorate	33000 ug/L	35000 ug/L	6 (≤30)	-	-
	pH	7.8 SU	7.7 SU	1 (≤30)	-	-
	Alkalinity as CaCo3	190000 ug/L	190000 ug/L	0 (≤30)	-	-
	Bicarbonate ion as HCO3	230000 ug/L	230000 ug/L	0 (≤30)	-	-
	Specific conductance	5900 umhos/cm	5900 umhos/cm	0 (≤30)	-	-
	Total dissolved solids	4000000 ug/L	4000000 ug/L	0 (≤30)	-	-
	Dissolved organic carbon	1100 ug/L	1100 ug/L	0 (≤30)	-	-

SDG	Analyte	Concentration (ug/L)		RPD (Limits)	Flag	A or P
		M-239-20171101	M-239-20171101-FD			
440-195436-1	Hexavalent chromium	680	670	1 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		PC-165-20171101	PC-165-20171101-FD			
440-195437-1	Nitrate/Nitrite as N	5800 ug/L	5800 ug/L	0 (≤30)	-	-
	Chloride	1200000 ug/L	1200000 ug/L	0 (≤30)	-	-
	Nitrate as NO3	26 mg/L	26 mg/L	0 (≤30)	-	-
	Sulfate	1300000 ug/L	1200000 ug/L	8 (≤30)	-	-
	Chlorate	2100 ug/L	2500 ug/L	17 (≤30)	-	-
	Perchlorate	38000 ug/L	37000 ug/L	3 (≤30)	-	-
	Total phosphorus	35 ug/L	50U ug/L	200 (≤30)	NQ	-
	pH	7.8 SU	7.8 SU	0 (≤30)	-	-
	Alkalinity as CaCO3	180000 ug/L	190000 ug/L	5 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		PC-165-20171101	PC-165-20171101-FD			
440-195437-1	Bicarbonate ion as HCO3	220000	230000	4 (≤30)	-	-
	Specific conductance	5700 umhos/cm	5700 umhos/cm	0 (≤30)	-	-
	Total dissolved solids	3900000 ug/L	3900000 ug/L	0 (≤30)	-	-
	Dissolved organic carbon	2800 ug/L	2800 ug/L	0 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		M-239-20171101	M-239-20171101-FD			
440-195438-1	Nitrate/Nitrite as N	4000 ug/L	4000 ug/L	0 (≤30)	-	-
	Chloride	330000 ug/L	330000 ug/L	0 (≤30)	-	-
	Nitrate as NO3	18 mg/L	18 mg/L	0 (≤30)	-	-
	Sulfate	1500000 ug/L	1500000 ug/L	0 (≤30)	-	-
	Chlorate	190000 ug/L	190000 ug/L	0 (≤30)	-	-
	Perchlorate	14000 ug/L	14000 ug/L	0 (≤30)	-	-
	Orthophosphate as P	800U ug/L	800 ug/L	200 (≤30)	NQ	-
	pH	7.9 SU	7.9 SU	0 (≤30)	-	-
	Alkalinity as CaCO3	88000 ug/L	89000 ug/L	1 (≤30)	-	-
	Bicarbonate ion as HCO3	110000 ug/L	110000 ug/L	0 (≤30)	-	-
	Specific conductance	3900 umhos/cm	3900 umhos/cm	0 (≤30)	-	-
	Total dissolved solids	3200000 ug/L	3200000 ug/L	0 (≤30)	-	-
	Dissolved organic carbon	710 ug/L	710 ug/L	0 (≤30)	-	-

SDG	Analyte	Concentration (ug/L)		RPD (Limits)	Flag	A or P
		PC-186-20171103	PC-186-20171103-FD			
440-195693-1	Hexavalent chromium	570	570	0 (≤30)	-	-

SDG	Analyte	Concentration (ug/L)		RPD (Limits)	Flag	A or P
		M-234-20171106	M-234-20171106-FD			
440-195797-1	Hexavalent chromium	11	11	0 (≤30)	-	-

SDG	Analyte	Concentration (ug/L)		RPD (Limits)	Flag	A or P
		M-209-20171106	M-209-20171106-FD			
440-195798-1	Hexavalent chromium	450	450	0 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		M-209-20171106	M-209-20171106-FD			
440-195817-1	Nitrate/Nitrite as N	11000 ug/L	11000 ug/L	0 (≤30)	-	-
	Chloride	1300000 ug/L	1300000 ug/L	0 (≤30)	-	-
	Nitrate as NO3	47 mg/L	46 mg/L	2 (≤30)	-	-
	Sulfate	800000 ug/L	810000 ug/L	1 (≤30)	-	-
	Chlorate	230000 ug/L	240000 ug/L	4 (≤30)	-	-
	Perchlorate	540000 ug/L	560000 ug/L	4 (≤30)	-	-
	Total phosphorus	91 ug/L	91 ug/L	0 (≤30)	-	-
	pH	7.7 SU	7.7 SU	0 (≤30)	-	-
	Alkalinity as CaCO3	74000 ug/L	74000 ug/L	0 (≤30)	-	-
	Bicarbonate ion as HCO3	91000 ug/L	90000 ug/L	1 (≤30)	-	-
	Specific conductance	5700 umhos/cm	5700 umhos/cm	0 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		M-209-20171106	M-209-20171106-FD			
440-195817-1	Total dissolved solids	4400000 ug/L	4400000 ug/L	0 (≤30)	-	-
	Dissolved organic carbon	800 ug/L	760 ug/L	5 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		M-234-20171106	M-234-20171106-FD			
440-195823-1	Nitrate/Nitrite as N	3200 ug/L	2500 ug/L	25 (≤30)	-	-
	Chloride	2200000 ug/L	2200000 ug/L	0 (≤30)	-	-
	Nitrate as NO3	14 mg/L	11 mg/L	24 (≤30)	-	-
	Sulfate	1200000 ug/L	1200000 ug/L	0 (≤30)	-	-
	Chlorate	3300 ug/L	3100 ug/L	6 (≤30)	-	-
	Perchlorate	170 ug/L	170 ug/L	0 (≤30)	-	-
	Total phosphorus	71 ug/L	78 ug/L	9 (≤30)	-	-
	pH	7.6 SU	7.6 SU	0 (≤30)	-	-
	Alkalinity as CaCO3	59000 ug/L	59000 ug/L	0 (≤30)	-	-
	Bicarbonate ion as HCO3	72000 ug/L	72000 ug/L	0 (≤30)	-	-
	Specific conductance	7600 umhos/cm	7600 umhos/cm	0 (≤30)	-	-
	Total dissolved solids	6000000 ug/L	6000000 ug/L	0 (≤30)	-	-

SDG	Analyte	Concentration (ug/L)		RPD (Limits)	Flag	A or P
		M-231-20171107	M-231-20171107-FD			
440-195907-1	Hexavalent chromium	16	15	6 (≤30)	-	-

SDG	Analyte	Concentration (ug/L)		RPD (Limits)	Flag	A or P
		M-230-20171107	M-230-20171107-FD			
440-195907-1	Hexavalent chromium	18	17	6 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		M-231-20171107	M-231-20171107-FD			
440-195947-1	Nitrate/Nitrite as N	1300 ug/L	1300 ug/L	0 (≤30)	-	-
	Chloride	130000 ug/L	130000 ug/L	0 (≤30)	-	-
	Nitrate as NO3	5.7 mg/L	5.7 mg/L	0 (≤30)	-	-
	Sulfate	180000 ug/L	180000 ug/L	0 (≤30)	-	-
	Chlorate	20 ug/L	20 ug/L	0 (≤30)	-	-
	Perchlorate	13 ug/L	11 ug/L	17 (≤30)	-	-
	Total phosphorus	25 ug/L	28 ug/L	11 (≤30)	-	-
	pH	8.1 SU	8.1 SU	0 (≤30)	-	-
	Alkalinity as CaCO3	82000 ug/L	81000 ug/L	1 (≤30)	-	-
	Bicarbonate ion as HCO3	100000 ug/L	99000 ug/L	1 (≤30)	-	-
	Specific conductance	970 umhos/cm	970 umhos/cm	0 (≤30)	-	-
	Total dissolved solids	550000 ug/L	550000 ug/L	0 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		M-230-20171107	M-230-20171107-FD			
440-195947-1	Nitrate/Nitrite as N	1500 ug/L	1500 ug/L	0 (≤30)	-	-
	Bromide	320 ug/L	320 ug/L	0 (≤30)	-	-
	Chloride	190000 ug/L	190000 ug/L	0 (≤30)	-	-



SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		M-230-20171107	M-230-20171107-FD			
440-195947-1	Nitrate as NO3	6.7 mg/L	6.7 mg/L	0 (≤30)	-	-
	Sulfate	300000 ug/L	300000 ug/L	0 (≤30)	-	-
	Orthophosphate as P	88 ug/L	160U ug/L	200 (≤30)	NQ	-
	Chlorate	2500 ug/L	2500 ug/L	0 (≤30)	-	-
	Perchlorate	520 ug/L	590 ug/L	13 (≤30)	-	-
	Total Phosphorus	92 ug/L	91 ug/L	1 (≤30)	-	-
	pH	8.0 SU	8.7 SU	8 (≤30)	-	-
	Alkalinity as CaCO3	82000 ug/L	94000 ug/L	14 (≤30)	-	-
	Bicarbonate ion as HCO3	100000 ug/L	98000 ug/L	2 (≤30)	-	-
	Carbonate as CO3	2400U	8500	200 (≤30)	NQ	-
	Specific conductance	1400 umhos/cm	1400 umhos/cm	0 (≤30)	-	-
	Total dissolved solids	880000 ug/L	880000 ug/L	0 (≤30)	-	-

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

## XI. Sample Result Verification

All sample result verifications were acceptable.

Raw data were not reviewed for Stage 2A and Stage 2B validation.

## XII. Overall Assessment of Data

The analysis was conducted within all specifications of the methods.

Due to technical holding time and MS/MSD %R, data were rejected in thirty-nine samples.

Due to technical holding times, MS/MSD %R and RPD and field duplicate RPD, data were qualified as estimated in three hundred five samples.

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

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

**NERT, Soil and Groundwater RI Sampling Phase 2, July through November 2017  
Wet Chemistry - Data Qualification Summary - SDGs 440-188296-1, 440-188490-1, 440-188535-1, 440-188881-1, 440-188942-1, 440-189060-1, 440-189140-1, 440-189223-1, 440-189260-1, 440-189261-1, 440-189289-1, 440-190153-1, 440-190181-1, 440-190277-1, 440-190318-1, 440-190675-1, 440-190751-1, 440-190848-1, 440-190949-1, 440-190988-1, 440-191076-1, 440-191494-1, 440-191584-1, 440-191691-1, 440-191775-1, 440-191800-1, 440-191907-1, 440-191979-1, 440-192009-1, 440-192106-1, 440-192114-1, 440-192217-1, 440-192253-1, 440-192338-1, 440-192570-1, 440-192628-1, 440-192897-1, 440-192969-1, 440-193060-1, 440-193158-1, 440-193226-1, 440-193870-1, 440-193926-1, 440-193988-1, 440-194107-1, 440-194194-1, 440-194219-1, 440-194282-1, 440-194301-1, 440-194381-1, 440-194404-1, 440-194461-1, 440-194462-1, 440-194463-1, 440-194465-1, 440-194468-1, 440-194470-1, 440-194472-1, 440-194474-1, 440-194566-1, 440-194569-1, 440-194658-1, 440-194661-1, 440-194664-1, 440-194697-1, 440-194700-1, 440-194703-1, 440-194736-1, 440-194738-1, 440-194771-1, 440-194824-1, 440-194865-1, 440-194896-1, 440-194903-1, 440-194905-1, 440-194908-1, 440-194986-1, 440-194992-1, 440-194993-1, 440-194997-1, 440-195109-1, 440-195111-1, 440-195149-1, 440-195152-1, 440-195199-1, 440-195219-1, 440-195285-1, 440-195286-1, 440-195333-1, 440-195336-1, 440-195366-1, 440-195367-1, 440-195368-1, 440-195403-1, 440-195435-1, 440-195436-1, 440-195437-1, 440-195438-1, 440-195578-1, 440-195580-1, 440-195603-1, 440-195605-1, 440-195691-1, 440-195693-1, 440-195714-1, 440-195797-1, 440-195798-1, 440-195817-1, 440-195823-1, 440-195898-1, 440-195907-1, 440-195947-1, 440-195949-1**

SDG	Sample	Analyte	Flag	A or P	Reason (Code)
440-191494-1	M-237-20170905* M-238-20170905*	pH	J (all detects)	P	Technical holding times (h)
440-191584-1	M-234-20170906* M-236-20170906* M-236-20170906-FD* M-205-20170906* M-205-20170906-EB*	pH	J (all detects)	P	Technical holding times (h)
440-191691-1	M-206-20170907* M-207-20170907* M-208-20170907* M-209-20170907* M-210-20170907* M-212-20170907* M-213-20170907*	pH	J (all detects)	P	Technical holding times (h)
440-191775-1	M-242-20170908* M-243-20170908* M-243-20170908-FD* M-245-20170908*	pH	J (all detects)	P	Technical holding times (h)
440-191800-1	M-246-20170908*	pH	J (all detects)	P	Technical holding times (h)

SDG	Sample	Analyte	Flag	A or P	Reason (Code)
440-191907-1	M-229-20170911* PC-170-20170911* PC-173-20170911* PC-173-20170911-FD*	pH	J (all detects)	P	Technical holding times (h)
440-191979-1	PC-180-20170912* PC-181-20170912* PC-182-20170912* PC-183-20170912*	pH	J (all detects)	P	Technical holding times (h)
440-192009-1	PC-184-20170912-FB* PC-184-20170912* PC-185-20170912* PC-187-20170912*	pH	J (all detects)	P	Technical holding times (h)
440-192106-1	M-230-20170913* PC-161-20170913* PC-162-20170913-EB* PC-162-20170913*	pH	J (all detects)	P	Technical holding times (h)
440-192217-1	M-235-20170914* PC-163-20170914*	pH	J (all detects)	P	Technical holding times (h)
440-192253-1	PC-166-20170914* PC-169-20170914*	pH	J (all detects)	P	Technical holding times (h)
440-192338-1	PC-171-20170915* PC-167-20170915* PC-175-20170915*	pH	J (all detects)	P	Technical holding times (h)
440-192897-1	PC-177-20170925* PC-164-20170925*	pH	J (all detects)	P	Technical holding times (h)
440-192969-1	M-204-20170926* PC-174-20170926*	pH	J (all detects)	P	Technical holding times (h)
440-193060-1	PC-194-20170927* PC-194-20170927-FD* PC-190-20170927* PC-186-20170927* M-226-20170927* M-227-20170927*	pH	J (all detects)	P	Technical holding times (h)
440-193158-1	M-244-20170928* M-232-20170928* M-231-20170928*	pH	J (all detects)	P	Technical holding times (h)
440-193158-1	M-244-20170928* M-232-20170928* M-231-20170928*	Total dissolved solids	J- (all detects)	P	Technical holding times (h)

SDG	Sample	Analyte	Flag	A or P	Reason (Code)
440-193226-1	PC-165-20170929-FB* PC-165-20170929* PC-192-20170929* PC-188-20170929*	pH	J (all detects)	P	Technical holding times (h)
440-192338-1	PC-171-20170915*	Hexavalent chromium	J- (all detects)	P	Technical holding times (h)
440-193988-1	PC-191-20171010*	pH	J (all detects)	P	Technical holding times (h)
440-194107-1	PC-197-20171011* PC-178-20171011* PC-178-20171011-FD* M-225-20171011* M-223-20171011* M-93-20171011*	pH	J (all detects)	P	Technical holding times (h)
440-194194-1	M-196-20171012*	pH	J (all detects)	P	Technical holding times (h)
440-194219-1	M-198-20171012* M-199-20171012* M-200-20171012*	Nitrite as N Nitrate as NO3 Nitrate/Nitrite as N Orthophosphate as P	J- (all detects) UJ (all non-detects)	P	Technical holding times (h)
440-194219-1	M-198-20171012* M-199-20171012* M-200-20171012*	pH	J (all detects)	P	Technical holding times (h)
440-194282-1	M-83D-20171013*	pH	J (all detects)	P	Technical holding times (h)
440-194301-1	M-216-20171013* M-217-20171013* M-218-20171013* M-220-20171013*	pH	J (all detects)	P	Technical holding times (h)
440-194404-1	M-239-20171016* M-240-20171016* M-21D-20171016*	pH	J (all detects)	P	Technical holding times (h)
440-194472-1	M-22D-171017* M-65D-171017* M-221-171017*	pH	J (all detects)	P	Technical holding times (h)
440-194474-1	M-214-20171017* M-214-20171017-EB* M-197-20171017* M-195-20171017*	pH	J (all detects)	P	Technical holding times (h)

SDG	Sample	Analyte	Flag	A or P	Reason (Code)
440-194569-1	M-36D-20171018* M-72D-20171018* M-140D-20171018*	pH	J (all detects)	P	Technical holding times (h)
440-194697-1	M-228-20171019*	pH	J (all detects)	P	Technical holding times (h)
440-194700-1	PC-155A-20171019* PC-155A-20171019-FD* PC-155B-20171019* PC-156A-20171019* PC-156B-20171019*	pH	J (all detects)	P	Technical holding times (h)
440-194703-1	PC-153R-20171019* M-201-20171019*	pH	J (all detects)	P	Technical holding times (h)
440-194771-1	M-202-20171020* M-125D-20171020* M-203-20171020* PC-157B-20171020* PC-157A-20171020* M-5D-20171020*	pH	J (all detects)	P	Technical holding times (h)
440-194865-1	M-81D-20171023* M-215-20171023* M-219-20171023*	pH	J (all detects)	P	Technical holding times (h)
440-194903-1	PC-183-20171024*	Hexavalent chromium	J- (all detects)	P	Technical holding times (h)
440-194905-1	PC-183-20171024 PC-184-20171024 PC-185-20171024 PC-187-20171024 PC-187-20171024-FD	pH	J (all detects)	P	Technical holding times (h)
440-194908-1	PC-182-20171024* PC-182-20171024-FD* PC-181-20171024* PC-180-20171024* PC-173-20171024* PC-170-20171024* PC-170-20171024-FB*	pH	J (all detects)	P	Technical holding times (h)
440-194993-1	MC-MW-37R-20171025* MC-MW-38-20171025* MC-63-20171025* PC-37-20171025* PC-37-20171025-EB*	pH	J (all detects)	P	Technical holding times (h)
440-194997-1	MC-65R-20171025* PC-73-20171025* H-49R-20171025* MC-62-20171025*	pH	J (all detects)	P	Technical holding times (h)

SDG	Sample	Analyte	Flag	A or P	Reason (Code)
440-195149-1	H-56A-20171026* H-48-20171026* H-49A-20171026* H-58A-20171026* PC-40-20171026* H-56R-20171026*	pH	J (all detects)	P	Technical holding times (h)
440-195152-1	MC-MW-36-20171026* MC-65-20171026* MC-MW-37-20171026* MC-66-20171026* PC-72-20171026* PC-72-20171026-FD*	pH	J (all detects)	P	Technical holding times (h)
440-195219-1	M-44-20171027* M-152-20171027* M-242-20171027* M-243-20171027* M-244-20171027* M-245-20171027* M-246-20171027* PC-171-20171027*	pH	J (all detects)	P	Technical holding times (h)
440-195219-1	M-246-20171027*	Hexavalent chromium	R (all non-detects)	P	Technical holding times (h)
440-195219-1	PC-171-20171027*	Hexavalent chromium	J- (all detects)	P	Technical holding times (h)
440-195333-1	PC-174-20171030* PC-192-20171030* PC-179-20171030* PC-190-20171030*	pH	J (all detects)	P	Technical holding times (h)
440-195336-1	PC-166-20171030* PC-167-20171030* PC-169-20171030* PC-164-20171030*	pH	J (all detects)	P	Technical holding times (h)
440-195368-1	PC-162-20171031* PC-162-20171031-FD* PC-161-20171031* PC-161-20171031-FD* PC-193-20171031* PC-163-20171031* PC-194-20171031* PC-177-20171031*	pH	J (all detects)	P	Technical holding times (h)
440-195403-1	M-196-20171031* M-198-20171031* M-199-20171031* M-195-20171031* M-197-20171031*	pH	J (all detects)	P	Technical holding times (h)

SDG	Sample	Analyte	Flag	A or P	Reason (Code)
440-195437-1	PC-165-20171101 PC-165-20171101-FD PC-191-20171101 PC-191-20171101-EB	pH	J (all detects)	P	Technical holding times (h)
440-195438-1	M-239-20171101 M-239-20171101-FD M-240-20171101 M-200-20171101	pH	J (all detects)	P	Technical holding times (h)
440-195603-1	PC-197-20171102 PC-175-20171102 PC-189-20171102 PC-188-20171102 M-204-20171102	pH	J (all detects)	P	Technical holding times (h)
440-195605-1	M-83D-20171102 M-216-20171102 M-217-20171102 M-218-20171102 M-220-20171102	pH	J (all detects)	P	Technical holding times (h)
440-195693-1	PC-186-20171103 PC-186-20171103-FD	Hexavalent chromium	J- (all detects)	A	Technical holding times (h)
440-195714-1	M-149-20171103 M-186D-20171103 M-186D-20171103-FB M-214-20171103 M-214-20171103-EB	pH	J (all detects)	P	Technical holding times (h)
440-195817-1	M-208-20171106 M-209-20171106 M-209-20171106-FD M-210-20171106 M-211-20171106 M-212-20171106	pH	J (all detects)	P	Technical holding times (h)
440-195823-1	M-237-20171106 M-238-20171106 M-235-20171106 M-234-20171106 M-234-20171106-FD M-232-20171106	pH	J (all detects)	P	Technical holding times (h)
440-195947-1	M-231-20171107 M-231-20171107-FD M-230-20171107 M-230-20171107-FD M-229-20171107 M-229-20171107-EB M-229-20171107-FB	pH	J (all detects)	P	Technical holding times (h)



SDG	Sample	Analyte	Flag	A or P	Reason (Code)
440-195949-1	M-236-20171107 M-236-20171107-FB M-213-20171107	pH	J (all detects)	P	Technical holding times (h)
440-188296-1	M-197-100.0-20170712 M-197-110.0-20170712 M-197-120.0-20170712 M-197-120.0-20170712-FD M-197-130.0-20170712 M-197-140.0-20170712	Perchlorate	J+ (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-188296-1	M-197-120.0-20170712 M-197-130.0-20170712 M-197-150.0-20170712	Hexavalent chromium (insoluble)	J- (all detects) UJ (all non-detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-188490-1	M-195-100.0-20170717	Perchlorate	J+ (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-188490-1	M-195-100.0-20170717	Hexavalent chromium (insoluble)	UJ (all non-detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-188535-1	M-195-120.0-20170718** M-195-140.0-20170718** M-195-150.0-20170718**	Perchlorate	J+ (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-188535-1	M-195-120.0-20170718** M-195-130.0-20170718** M-195-140.0-20170718** M-195-150.0-20170718**	Hexavalent chromium (insoluble)	J- (all detects) UJ (all non-detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-188942-1	RI-6-90.0-20170725 RI-6-90.0-20170725-FD RI-6-95.0-20170725 RI-6-100.0-20170725 RI-6-105.0-20170725 RI-6-110.0-20170725 RI-6-115.0-20170725 RI-6-120.0-20170725 RI-6-125.0-20170725 RI-6-130.0-20170725 RI-6-135.0-20170725 RI-6-140.0-20170725 RI-6-145.0-20170725 RI-6-150.0-20170725	Perchlorate	J- (all detects) UJ (all non-detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)

SDG	Sample	Analyte	Flag	A or P	Reason (Code)
440-189140-1	RI-14-90.0-20170727 RI-14-95.0-20170727 RI-14-100.0-20170727 RI-14-100.0-20170727-FD RI-14-105.0-20170727 RI-14-110.0-20170727 RI-14-115.0-20170727 RI-14-120.0-20170727 RI-14-125.0-20170727 RI-14-130.0-20170727 RI-14-135.0-20170727 RI-14-140.0-20170727 RI-14-145.0-20170727 RI-14-150.0-20170727	Perchlorate	J- (all detects) UJ (all non-detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-189140-1	RI-14-90.0-20170727 RI-14-100.0-20170727 RI-14-100.0-20170727-FD RI-14-110.0-20170727 RI-14-120.0-20170727 RI-14-130.0-20170727	Chlorate	J+ (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-189223-1	RI-15-5.0-20170728** RI-15-10.0-20170728** RI-15-20.0-20170728**	Hexavalent chromium (insoluble)	J- (all detects) UJ (all non-detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-189260-1	RI-15-30.0-20170730	Hexavalent chromium (insoluble)	UJ (all non-detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-189261-1	PCDB-4-10.0-20170730	Perchlorate	J- (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-190318-1	PCDB-5-5.0-20170815 PCDB-5-10.0-20170815 PCDB-5-20.0-20170815 PCDB-5-20.0-20170815-FD PCDB-5-30.0-20170815 PCDB-5-40.0-20170815 PCDB-5-50.0-20170815 PCDB-5-60.0-20170815 PCDB-5-70.0-20170815 PCDB-5-60.0-20170815-FD PCDB-5-80.0-20170815 PCDB-5-90.0-20170815 PCDB-12-70.0-20170814 PCDB-12-80.0-20170814 PCDB-12-90.0-20170814 PCDB-12-90.0-20170814-FD	Nitrate as NO3  Nitrate/Nitrite as N	J- (all detects) UJ (all non-detects) J- (all detects) UJ (all non-detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-191076-1	PCDB-14-20.0-20170826 PCDB-14-20.0-20170826-FD	Nitrate as NO3 Nitrate/Nitrite as N	J- (all detects) J- (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)

SDG	Sample	Analyte	Flag	A or P	Reason (Code)
440-191076-1	PCDB-14-5.0-20170826 PCDB-14-10.0-20170826 PCDB-14-40.0-20170826 PCDB-14-50.0-20170826 PCDB-14-60.0-20170826 PCDB-14-70.0-20170826 PCDB-14-80.0-20170826 PCDB-14-80.0-20170826-FD PCDB-14-90.0-20170826	Perchlorate	J- (all detects) UJ (all non-detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-191691-1	M-206-20170907* M-207-20170907* M-208-20170907* M-209-20170907* M-210-20170907* M-212-20170907* M-213-20170907*	Sulfide	R (all non-detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-192009-1	PC-187-20170912*	Nitrite as N Nitrate/Nitrite as N	J+ (all detects) J+ (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-192009-1	PC-185-20170912*	Nitrite as N Nitrate/Nitrite as N	J+ (all detects) J+ (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-192106-1	PC-162-20170913*	Perchlorate	J+ (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-192217-1	M-235-20170914* PC-163-20170914*	Orthophosphate as P	J- (all detects) UJ (all non-detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-192628-1	PCDB-8-5.0-20170920 PCDB-8-10.0-20170920 PCDB-8-20.0-20170920 PCDB-8-20.0-20170920-FD PCDB-8-30.0-20170920 PCDB-8-40.0-20170920 PCDB-8-50.0-20170920 PCDB-8-60.0-20170920 PCDB-8-70.0-20170920 PCDB-8-90.0-20170920	Nitrate as NO3	J- (all detects) UJ (all non-detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-192628-1	PCDB-8-5.0-20170920 PCDB-8-10.0-20170920 PCDB-8-20.0-20170920 PCDB-8-20.0-20170920-FD PCDB-8-30.0-20170920 PCDB-8-40.0-20170920 PCDB-8-50.0-20170920 PCDB-8-60.0-20170920 PCDB-8-70.0-20170920 PCDB-8-80.0-20170920 PCDB-8-90.0-20170920	Nitrite as N	R (all non-detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)

SDG	Sample	Analyte	Flag	A or P	Reason (Code)
440-192628-1	PCDB-8-5.0-20170920 PCDB-8-10.0-20170920 PCDB-8-20.0-20170920 PCDB-8-20.0-20170920-FD PCDB-8-30.0-20170920 PCDB-8-40.0-20170920 PCDB-8-50.0-20170920 PCDB-8-60.0-20170920 PCDB-8-70.0-20170920 PCDB-8-90.0-20170920	Nitrate/Nitrite as N	J- (all detects) R (all non-detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-192628-1	PCDB-8-80.0-20170920	Nitrate as NO3 Nitrate/Nitrite as N	R (all non-detects) R (all non-detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-193988-1	PC-191-20171010* PC-195-20171010* PC-196-20171010*	Orthophosphate as P	J- (all detects) UJ (all non-detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-193988-1	PC-191-20171010* PC-195-20171010* PC-196-20171010*	Sulfide	R (all non-detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-194107-1	PC-197-20171011* PC-178-20171011* PC-178-20171011-FD* M-225-20171011* M-223-20171011* M-93-20171011*	Total phosphorus	R (all non-detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-194107-1	PC-178-20171011*	Sulfide	J- (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-194107-1	PC-197-20171011* PC-178-20171011-FD* M-225-20171011* M-223-20171011* M-93-20171011*	Sulfide	R (all non-detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-194194-1	M-196-20171012*	Total phosphorus	R (all non-detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-194194-1	M-196-20171012*	Sulfide	UJ (all non-detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-194219-1	M-198-20171012* M-199-20171012*	Total phosphorus	J- (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)

SDG	Sample	Analyte	Flag	A or P	Reason (Code)
440-194219-1	M-200-20171012*	Total phosphorus	R (all non-detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-194219-1	M-198-20171012* M-199-20171012* M-200-20171012*	Sulfide	R (all non-detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-194282-1	M-83D-20171013*	Total phosphorus	J- (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-194282-1	M-83D-20171013*	Sulfide	UJ (all non-detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-194301-1	M-216-20171013* M-217-20171013* M-218-20171013* M-220-20171013*	Nitrite as N	UJ (all non-detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-194301-1	M-216-20171013* M-217-20171013* M-218-20171013* M-220-20171013*	Nitrate as NO3 Nitrate/Nitrite as N	J+ (all detects) J+ (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-194472-1	M-221-171017*	Orthophosphate as P	J+ (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-194771-1	M-202-20171020* M-125D-20171020* M-203-20171020* PC-157B-20171020* PC-157A-20171020* M-5D-20171020*	Orthophosphate as P	UJ (all non-detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-194865-1	M-226-20171023*	Orthophosphate as P	J- (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-194865-1	M-81D-20171023* M-215-20171023* M-219-20171023* M-227-20171023*	Orthophosphate as P	R (all non-detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-194865-1	M-81D-20171023*	Total phosphorus	R (all non-detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)

SDG	Sample	Analyte	Flag	A or P	Reason (Code)
440-194865-1	M-215-20171023* M-219-20171023* M-227-20171023* M-226-20171023*	Total phosphorus	J- (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-194905-1	PC-183-20171024* PC-185-20171024* PC-187-20171024*	Perchlorate	J- (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-194905-1	PC-184-20171024* PC-187-20171024-FD*	Perchlorate	J- (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-194908-1	PC-173-20171024*	Perchlorate	J- (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-194908-1	PC-182-20171024* PC-182-20171024-FD* PC-181-20171024* PC-180-20171024* PC-173-20171024*	Total phosphorus	J- (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-194997-1	H-49R-20171025*	Orthophosphate as P	J+ (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-194997-1	MC-65R-20171025* PC-73-20171025* H-49R-20171025* MC-62-20171025* MC-61-20171025*	Sulfide	UJ (all non-detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-195149-1	H-56A-20171026* H-48-20171026* H-49A-20171026* H-58A-20171026* PC-40-20171026* H-56R-20171026*	Sulfide	UJ (all non-detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-195152-1	MC-MW-36-20171026* MC-65-20171026* MC-MW-37-20171026* MC-66-20171026* PC-72-20171026* PC-72-20171026-FD*	Sulfide	UJ (all non-detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-195333-1	PC-174-20171030* PC-192-20171030* PC-179-20171030* PC-190-20171030*	Sulfide	UJ (all non-detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)

SDG	Sample	Analyte	Flag	A or P	Reason (Code)
440-195368-1	PC-162-20171031* PC-162-20171031-FD* PC-161-20171031* PC-161-20171031-FD* PC-193-20171031* PC-163-20171031* PC-194-20171031* PC-177-20171031*	Orthophosphate as P  Sulfide	J- (all detects) UJ (all non-detects) J- (all detects) UJ (all non-detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-195817-1	M-208-20171106 M-209-20171106 M-209-20171106-FD M-210-20171106 M-211-20171106 M-212-20171106	Chloride	J+ (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-195949-1	M-236-20171107 M-213-20171107	Nitrate as NO3 Nitrate/Nitrite as N	J- (all detects) J- (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-195949-1	M-213-20171107	Perchlorate	J+ (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-189140-1	RI-14-90.0-20170727 RI-14-100.0-20170727 RI-14-100.0-20170727-FD RI-14-110.0-20170727 RI-14-120.0-20170727 RI-14-130.0-20170727	Chlorate	J (all detects)	A	Matrix spike/Matrix spike duplicate (RPD) (ld)
440-195333-1	PC-174-20171030* PC-192-20171030* PC-179-20171030* PC-190-20171030*	Orthophosphate as P	UJ (all non-detects)	A	Matrix spike/Matrix spike duplicate (RPD) (ld)
440-189140-1	RI-14-100.0-20170727 RI-14-100.0-20170727-FD	Perchlorate	J (all detects)	A	Field duplicates (RPD) (fd)
440-189289-1	RI-15-110.0-20170731** RI-15-110.0-20170731-FD**	Perchlorate	J (all detects)	A	Field duplicates (RPD) (fd)
440-190153-1	PCDB-11-80.0-20170811 PCDB-11-80.0-20170811-FD	Nitrate/Nitrite as N Perchlorate	J (all detects) J (all detects)	A	Field duplicates (RPD) (fd)
440-190181-1	PCDB-10-70.0-20170813 PCDB-10-70.0-20170813-FD	Perchlorate	J (all detects)	A	Field duplicates (RPD) (fd)
440-194905-1	PC-187-20171024* PC-187-20171024-FD*	Chlorate	J (all detects)	A	Field duplicates (RPD) (fd)

**NERT, Soil and Groundwater RI Sampling Phase 2, July through November 2017  
Wet Chemistry - Laboratory Blank Data Qualification Summary - SDGs 440-188296-1, 440-188490-1, 440-188535-1, 440-188881-1, 440-188942-1, 440-189060-1, 440-189140-1, 440-189223-1, 440-189260-1, 440-189261-1, 440-189289-1, 440-190153-1, 440-190181-1, 440-190277-1, 440-190318-1, 440-190675-1, 440-190751-1, 440-190848-1, 440-190949-1, 440-190988-1, 440-191076-1, 440-191494-1, 440-191584-1, 440-191691-1, 440-191775-1, 440-191800-1, 440-191907-1, 440-191979-1, 440-192009-1, 440-192106-1, 440-192114-1, 440-192217-1, 440-192253-1, 440-192338-1, 440-192570-1, 440-192628-1, 440-192897-1, 440-192969-1, 440-193060-1, 440-193158-1, 440-193226-1, 440-193870-1, 440-193926-1, 440-193988-1, 440-194107-1, 440-194194-1, 440-194219-1, 440-194282-1, 440-194301-1, 440-194381-1, 440-194404-1, 440-194461-1, 440-194462-1, 440-194463-1, 440-194465-1, 440-194468-1, 440-194470-1, 440-194472-1, 440-194474-1, 440-194566-1, 440-194569-1, 440-194658-1, 440-194661-1, 440-194664-1, 440-194697-1, 440-194700-1, 440-194703-1, 440-194736-1, 440-194738-1, 440-194771-1, 440-194824-1, 440-194865-1, 440-194896-1, 440-194903-1, 440-194905-1, 440-194908-1, 440-194986-1, 440-194992-1, 440-194993-1, 440-194997-1, 440-195109-1, 440-195111-1, 440-195149-1, 440-195152-1, 440-195199-1, 440-195219-1, 440-195285-1, 440-195286-1, 440-195333-1, 440-195336-1, 440-195366-1, 440-195367-1, 440-195368-1, 440-195403-1, 440-195435-1, 440-195436-1, 440-195437-1, 440-195438-1, 440-195578-1, 440-195580-1, 440-195603-1, 440-195605-1, 440-195691-1, 440-195693-1, 440-195714-1, 440-195797-1, 440-195798-1, 440-195817-1, 440-195823-1, 440-195898-1, 440-195907-1, 440-195947-1, 440-195949-1**

No Sample Data Qualified in these SDGs

**NERT, Soil and Groundwater RI Sampling Phase 2, July through November 2017  
Wet Chemistry - Field Blank Data Qualification Summary - SDGs 440-188296-1, 440-188490-1, 440-188535-1, 440-188881-1, 440-188942-1, 440-189060-1, 440-189140-1, 440-189223-1, 440-189260-1, 440-189261-1, 440-189289-1, 440-190153-1, 440-190181-1, 440-190277-1, 440-190318-1, 440-190675-1, 440-190751-1, 440-190848-1, 440-190949-1, 440-190988-1, 440-191076-1, 440-191494-1, 440-191584-1, 440-191691-1, 440-191775-1, 440-191800-1, 440-191907-1, 440-191979-1, 440-192009-1, 440-192106-1, 440-192114-1, 440-192217-1, 440-192253-1, 440-192338-1, 440-192570-1, 440-192628-1, 440-192897-1, 440-192969-1, 440-193060-1, 440-193158-1, 440-193226-1, 440-193870-1, 440-193926-1, 440-193988-1, 440-194107-1, 440-194194-1, 440-194219-1, 440-194282-1, 440-194301-1, 440-194381-1, 440-194404-1, 440-194461-1, 440-194462-1, 440-194463-1, 440-194465-1, 440-194468-1, 440-194470-1, 440-194472-1, 440-194474-1, 440-194566-1, 440-194569-1, 440-194658-1, 440-194661-1, 440-194664-1, 440-194697-1, 440-194700-1, 440-194703-1, 440-194736-1, 440-194738-1, 440-194771-1, 440-194824-1, 440-194865-1, 440-194896-1, 440-194903-1, 440-194905-1, 440-194908-1, 440-194986-1, 440-194992-1, 440-194993-1, 440-194997-1, 440-195109-1, 440-195111-1, 440-195149-1, 440-195152-1, 440-195199-1, 440-195219-1, 440-195285-1, 440-195286-1, 440-195333-1, 440-195336-1, 440-195366-1, 440-195367-1, 440-195368-1, 440-195403-1, 440-195435-1, 440-195436-1, 440-195437-1, 440-195438-1, 440-195578-1, 440-195580-1, 440-195603-1, 440-195605-1, 440-195691-1, 440-195693-1, 440-195714-1, 440-**



**195797-1, 440-195798-1, 440-195817-1, 440-195823-1, 440-195898-1, 440-195907-1, 440-195947-1, 440-195949-1**

<b>SDG</b>	<b>Sample</b>	<b>Analyte</b>	<b>Modified Final Concentration</b>	<b>A or P</b>	<b>Code</b>
440-194474-1	M-214-20171017*	Alkalinity as CaCo3	120000J+ ug/L	A	be
440-194993-1	PC-37-20171025*	Alkalinity as CaCo3 Bicarbonate ion as HCO3	89000J+ ug/L 110000J+ ug/L	A	be
440-195714-1	M-186D-20171103	Alkalinity as CaCO3	79000J+ ug/L	A	bf
440-195947-1	M-229-20171107	Alkalinity as CaCO3	86000J+ ug/L	A	be
440-195949-1	M-236-20171107	Alkalinity as CaCO3	75000J+ ug/L	A	bf
440-195949-1	M-225-20171107	Nitrate as NO3 Nitrate/Nitrite as N	4.5J+ mg/L 1200J+ ug/L	A	be

**ATTACHMENT K**  
**Radium-226 and Radium-228 DVR**

**Radium 226 by Environmental Protection Agency (EPA) Method 903.0  
Radium 228 by Environmental Protection Agency (EPA) Method 904.0**

**I. Sample Receipt and Technical Holding Times**

All samples were received in good condition.

All technical holding time requirements were met.

**II. Initial Calibration**

All criteria for the initial calibration were met.

Counting and detector efficiency were determined for each detector and each radionuclide.

**III. Continuing Calibration**

Continuing calibration and background determination were performed at the required frequencies. Results were within laboratory control limits.

**IV. Blanks**

Laboratory blanks were analyzed as required by the method. Blank results contained less than the minimum detectable concentration (MDC) with the following exceptions:

<b>SDG</b>	<b>Blank ID</b>	<b>Isotope</b>	<b>Concentration</b>	<b>Associated Samples</b>
440-189223-3	MB	Radium 228	0.8409 pCi/g	All samples in SDG 440-189223-3
440-189260-3	MB	Radium 228	0.8409 pCi/g	All samples in SDG 440-189260-3

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

**V. Field Blanks**

No field blanks were identified in these SDGs.

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

## VII. Duplicate Sample Analysis

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

## VIII. Laboratory Control Samples

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

## IX. Field Duplicates

No field duplicates were identified in these SDGs.

## X. Carrier Recovery

All carrier recoveries were within validation criteria with the following exceptions:

SDG	Sample ID	Carrier Isotope	%R (Limits)	Affected Isotope	Flag	A or P
440-188881-3	RI-6-30.0-20170724	Barium	117 (40-110)	Radium 226	J (all detects)	P
440-188881-3	RI-6-30.0-20170724	Barium	117 (40-110)	Radium 228	J (all detects)	P
440-189060-3	RI-14-10.0-20170726	Barium	112 (40-110)	Radium 226	J (all detects)	P
440-189060-3	RI-14-30.0-20170726	Barium	111 (40-110)	Radium 226	J (all detects)	P
440-189060-3	RI-14-10.0-20170726	Barium	112 (40-110)	Radium 228	J (all detects)	P
440-189060-3	RI-14-30.0-20170726	Barium	111 (40-110)	Radium 228	J (all detects)	P

## XI. Minimum Detectable Concentration

All minimum detectable concentrations (MDC) met the Requested Limits.

## XII. Sample Result Verification

Raw data were not reviewed for Stage 2B validation.

## XIII. Overall Assessment of Data

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

Due to carrier recovery %R, data were qualified as estimated in three samples.

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

**NERT, Soil RI Sampling Phase 2, July 2017  
Radium 226 and Radium 228 - Data Qualification Summary - SDGs 440-188881-3,  
440-189060-3, 440-189223-3, 440-189260-3**

SDG	Sample	Isotope	Flag	A or P	Reason (Code)
440-188881-3	RI-6-30.0-20170724	Radium 226	J (all detects)	P	Carrier recovery (%R) (o)
440-188881-3	RI-6-30.0-20170724	Radium 228	J (all detects)	P	Carrier recovery (%R) (o)
440-189060-3	RI-14-10.0-20170726 RI-14-30.0-20170726	Radium 226	J (all detects)	P	Carrier recovery (%R) (o)
440-189060-3	RI-14-10.0-20170726 RI-14-30.0-20170726	Radium 228	J (all detects)	P	Carrier recovery (%R) (o)

**NERT, Soil RI Sampling Phase 2, July 2017  
Radium 226 and Radium 228 - Laboratory Blank Data Qualification Summary -  
SDGs 440-188881-3, 440-189060-3, 440-189223-3, 440-189260-3**

No Sample Data Qualified in these SDGs

**NERT, Soil RI Sampling Phase 2, July 2017  
Radium 226 and Radium 228 - Field Blank Data Qualification Summary - SDGs  
440-188881-3, 440-189060-3, 440-189223-3, 440-189260-3**

No Sample Data Qualified in these SDGs

**ATTACHMENT L**  
**Isotopic Thorium DVR**

## Isotopic Thorium by Method A-01-R Modified

### I. Sample Receipt and Technical Holding Times

All samples were received in good condition.

All technical holding time requirements were met.

### II. Initial Calibration

All criteria for the initial calibration were met.

Counting and detector efficiency were determined for each detector and each radionuclide.

### III. Continuing Calibration

Continuing calibration and background determination were performed at the required frequencies. Results were within laboratory control limits.

### IV. Blanks

Laboratory blanks were analyzed as required by the method. Blank results contained less than the minimum detectable concentration (MDC) with the following exceptions:

SDG	Blank ID	Isotope	Activity	Associated Samples
440-188881-3	MB	Thorium 230	0.1296 pCi/g	All samples in SDG 440-188881-3
440-189060-3	MB	Thorium 230	0.1804 pCi/g	All samples in SDG 440-189060-3
440-189223-3	MB	Thorium 230	0.1804 pCi/g	All samples in SDG 440-189223-3
440-189260-3	MB	Thorium 230	0.1804 pCi/g	All samples in SDG 440-189260-3

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

### V. Field Blanks

No field blanks were identified in these SDGs.



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

## **VII. Duplicate Sample Analysis**

Duplicate (DUP) sample analyses were not required by the method.

## **VIII. Laboratory Control Samples**

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

## **IX. Field Duplicates**

No field duplicates were identified in these SDGs.

## **X. Tracer Recovery**

All tracer recoveries were within validation criteria.

## **XI. Minimum Detectable Activity**

All minimum detectable concentrations (MDC) met the Requested Limits.

## **XII. Sample Result Verification**

Raw data were not reviewed for Stage 2B validation.

## **XIII. Overall Assessment of Data**

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

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

**NERT, Soil RI Sampling Phase 2, July 2017  
Isotopic Thorium - Data Qualification Summary - SDGs 440-188881-3, 440-189060-3, 440-189223-3, 440-189260-3**

No Sample Data Qualified in these SDGs

**NERT, Soil RI Sampling Phase 2, July 2017  
Isotopic Thorium - Laboratory Blank Data Qualification Summary - SDGs 440-188881-3, 440-189060-3, 440-189223-3, 440-189260-3**

No Sample Data Qualified in these SDGs

**NERT, Soil RI Sampling Phase 2, July 2017  
Isotopic Thorium - Field Blank Data Qualification Summary - SDGs 440-188881-3, 440-189060-3, 440-189223-3, 440-189260-3**

No Sample Data Qualified in these SDGs