

**Data Validation Summary Report
Remedial Investigation Sampling Phase 2
March 2018 through March 2019, Revision 1
Nevada Environmental Response Trust
Henderson, Nevada**

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February 12, 2020

Phase 2 Remedial Investigation DVSR and EDD
March 2018 through March 2019, Revision 1
Nevada Environmental Response Trust Site
Henderson, Nevada

**Phase 2 Remedial Investigation Sampling DVSR and EDD
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Revision 1**

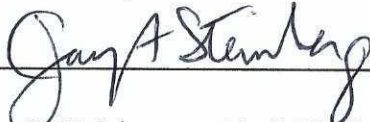
**Nevada Environmental Response Trust
Site (Former Tronox LLC Site)
Henderson, Nevada**

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Site (Former Tronox LLC Site)
Henderson, Nevada**

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.



February 13, 2020

John M. Pekala, PG
Principal

Date

Certified Environmental Manager
Ramboll US Corporation
CEM Certificate Number: 2347
CEM Expiration Date: September 20, 2020

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LIST OF ACRONYMS AND ABBREVIATIONS

CCB	Continuing Calibration Blank
CCV	Continuing Calibration Verification
CRI	Low Level Check Standard
DL	Detection Limit
DNR	Do Not Report
DOC	Dissolved Organic Carbon
DOE	Department of Energy
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
IC	Ion Chromatography
ICAL	Initial Calibration
ICB	Initial Calibration Blank
ICV	Initial Calibration Verification
LCS/LCSD	Laboratory Control Sample / Laboratory Control Sample Duplicate
LDC	Laboratory Data Consultants, Inc.
MB	Method Blank
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
PCB	Polychlorinated Biphenyls
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
SOP	Standard Operating Procedure
SQL	Sample Quantitation Limit
SRM	Standard Reference Material
SVOC	Semivolatile Organic Compound
TB	Trip Blank
TCP	1,2,3-Trichloropropane
TDS	Total Dissolved Solids
TEQ	Toxic Equivalency Quantity
TPHE	Total Petroleum Hydrocarbons as Extractables
USEPA	United States Environmental Protection Agency

LIST OF ACRONYMS AND ABBREVIATIONS (Continued)

VFA	Volatile Fatty Acids
VOC	Volatile Organic Compound
%RSD	Percent Relative Standard Deviation
%D	Percent Difference
%R	Percent Recovery
ug/L	Micrograms per Liter
ug/m ³	Micrograms per Cubic Meter
mg/Kg	Milligrams per Kilogram
mg/L	Milligrams per Liter
pCi/g	Picocuries per Gram
pg/g	Picrograms per Gram
pg/L	Picrograms per Liter
ppbv	Parts per Billion by volume

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 March 2018 through March 2019, 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 340 environmental and quality control (QC) samples. The analyses were performed by the following methods:

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

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

VOC by EPA Method TO-15

Semivolatile Organic Compounds (SVOC) 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

Polychlorinated Biphenyls (PCB) as Aroclors by EPA SW-846 Method 8082

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

Total Petroleum Hydrocarbons as Extractables (TPHE) by EPA SW-846 Method 8015B

Organophosphorus Pesticides by EPA SW-846 Method 8141A

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

PCB as Congeners by EPA Method 1668A

Metals by EPA Methods 2007/200.8 and EPA SW-846 Methods 6010B/6020A/7470A/7471A

Wet Chemistry:

Hexavalent Chromium by EPA Method 218.6 and SW 846 Method 7199

Bromide, Chloride, Fluoride, Nitrate as Nitrate, Nitrate as Nitrogen, Nitrite as Nitrogen, Orthophosphate as Phosphorus, Orthophosphate as Phosphate, and Sulfate (Anions) by EPA Method 300.0 and SW-846 Method 9056

Nitrate/Nitrite as Nitrogen by Calculation Method

Chlorate and Chlorite by EPA Method 300.1B

Perchlorate by EPA Method 314.0

Total Phosphorus by EPA Method 365.3

Sulfide by EPA SW 846 Method 9034

pH by EPA SW 846 Method 9040C

Alkalinity by Standard Method 2320B

Conductivity by Standard Method 2510B

Total Dissolved Solids (TDS) by Standard Method 2540C

Ferric Iron by Standard Method 3500

Ferrous Iron by Standard Method 3500-FE D

Ammonia as NH₃ and Ammonia as Nitrogen by Standard Method 4500-NH₃ D

Dissolved Organic Carbon (DOC) by Standard Method 5310B

Volatile Fatty Acids by Ion Chromatography (VFA-IC)

Radium-226 by EPA Method 903.0

Radium-228 by EPA Method 904.0

Isotopic Thorium by Method A-01-R and ALS Standard Operating Procedure (SOP) 714 Revision 14

Isotopic Uranium by Department of Energy (DOE) Method U-02-RC

Laboratory analytical services were provided by Eurofins. The samples were grouped into sample delivery groups (SDGs). The air, 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. An email from NDEP to the Trust dated December 7, 2018 (2018b) clarified the guidance for reporting multiple results as follows:

Multiple results can be reported for a single analyte for several reasons: dilutions to report analytes within the linear range of the calibration, results reported with QC sample outliers can be reanalyzed beyond the holding time and both results are reported, and analytes can be reported from two different methods (e.g., SW-846 8260 and 8270). In cases where more than one result is reported for an analyte in a sample, and only one result is valid, the most technically sound value is to be reported and the other result is to be rejected or otherwise qualified as unused (e.g. “R” or “DNR”). The professional judgment used to choose the most technically sound result should be documented in the validation report and the DVSR.

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); *Standard Method for the Examination of Water and Wastewater 22nd edition* (2012); 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 19.0 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, canister blanks, laboratory control samples/laboratory control sample duplicates (LCS/LCSDs), standard 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 NDEP Data Validation Guidance (July 2018), 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, canister 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.

Canister blanks are used to certify that the summa canisters used for sample collection are free of contaminants prior to entering the field. Canister certification can either be done on each canister individually, or by batch.

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 (METHOD SW8260B)

A total of 138 soil and 75 water samples were analyzed for VOCs by EPA SW-846 Method 8260B. The target analyte list for soil samples included 68 VOCs and 61 VOCs for water samples with the exception of one trip blank, which was analyzed for 69 VOCs. All VOC (Method SW8260B) data were assessed to be valid since none of the 13,967 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.

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 ≥ 0.990 in the initial calibration (ICAL).

Three hundred and sixty-five (365) 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

Eight (8) results for sample RIDB-35-50-20181212 were qualified as detected estimated (J+) due to a surrogate %R above the laboratory acceptance criteria. The details regarding the qualification of results are provided in Attachment A.

2.1.3 MS/MSD Samples

The 1,2,4-trichlorobenzene result in sample RIDB-34-50-20181213 and the 1,3,5-trimethylbenzene result in sample RIDB-35-80-20181212 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 %Rs above the laboratory acceptance criteria since the associated sample results were not detected.

The chloroform result in sample RIDB-34-50-20181213 were qualified as detected estimated (J) as a result of a MS/MSD RPD above the laboratory acceptance criteria.

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

2.1.4 LCS/LCSD Samples

No data were qualified due to a LCS %R above the laboratory acceptance criteria since the associated sample results were not detected.

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

2.1.5 Internal Standards

Sixty-two (62) results 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

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 28 soil 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.

As a result of headspace in sample containers, 61 results in sample MC-29-20190313-TB were qualified as non-detected estimated (UJ). The details regarding the qualification of results are provided 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, with the exception of dioxin analysis. 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 associated with the Remedial Investigation collected for the NERT site by Ramboll.

2.2.2.1 Method Blanks

As a result of contamination found in the method blank, the methylene chloride result in sample RISB-ER-02-1.0-20180924-TB was qualified as estimated (J). The details regarding the qualification of results are provided in Attachment A.

2.2.2.2 EBs and FBs

No contaminants were detected in the equipment or field blanks.

2.2.2.3 TBs

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

2.3 Comparability

The laboratory used standard analytical methods for all of the analyses. In all cases, the SQLs attained were at or below the PQLs. Target compounds detected below the PQLs flagged (J) by the laboratory should be considered estimated. The comparability of the VOC (Method SW8260B) data is regarded as acceptable.

2.4 Completeness

The completeness level attained for VOC (Method SW8260B) field samples was 100 percent. This percentage was calculated as the total number of accepted sample results divided by the total number of sample results multiplied by 100.

2.5 Sensitivity

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

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

A total of 60 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 120 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

All surrogate %Rs met the laboratory acceptance criteria for this analysis.

3.1.2 MS/MSD Samples

The 1,2,3-trichloropropane result in sample M-269-20190215 was qualified as detected estimated (J-) as a result of an MSD %R below the laboratory acceptance criteria. The details regarding the qualification of results are provided in Attachment B.

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

3.1.3 LCS Samples

No data were qualified due to a LCS %R above the laboratory acceptance criteria since the associated sample results were not detected.

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

3.1.4 FD Samples

All RPDs met the QAPP acceptance criteria.

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.

3.2.2 Blanks

Method blanks, EBs, 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

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

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 VOLATILE ORGANIC COMPOUNDS (EPA METHOD TO-15)

A total of 68 air samples were analyzed for VOC by EPA Method TO-15. All VOC (EPA Method TO-15) data were assessed to be valid since none of the 3,400 total results in parts per billion by volume (ppbv) or 3,400 total results in microgram per cubic meter ($\mu\text{g}/\text{m}^3$) were rejected due to holding time or QC exceedances. VOC (EPA Method TO-15) data were reported and qualified as initial results in ppbv and as molecular weight converted results in $\mu\text{g}/\text{m}^3$. 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 30 percent or the coefficient of determination (r^2) was ≥ 0.990 in the initial calibration.

The 2-butanone results for samples RISG-3-15.0-20190315 and RISG-30-5.0-20190315 were qualified as estimated (J+). The %D in the continuing calibration verification (CCV) was above the acceptance criteria of 30 percent. The details regarding the qualification of results are provided in Attachment C.

No data were qualified due to %Ds in the initial calibration verifications above the acceptance criteria of 30 percent since the associated sample results were not detected.

4.1.2 Surrogates

Three hundred and one (301) results (602 total for both ug/m³ and ppbv results) were qualified as detected estimated (J-) or non-detected estimated (UJ) due to surrogate %Rs below the method acceptance criteria. The details regarding the qualification of results are provided in Attachment C.

4.1.3 LCS/LCSD Samples

No data were qualified due to LCS/LCSD %Rs above the laboratory acceptance criteria since the associated sample results were not detected.

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

4.1.4 Internal Standards

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

4.1.5 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.

4.1.6 Compound Quantitation and Target Identification

Raw data were evaluated for 12 air samples. All target identifications were acceptable and all reported sample results, detects and non-detects, were correctly calculated 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 30-day analysis holding time criteria for air samples.

4.2.2 Blanks

Method blanks and canister 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

As a result of contamination found in the method blanks, 19 results (38 total for both ug/m³ and ppbv results) were qualified as estimated (J). The details regarding the qualification of results are provided in Attachment C.

4.2.2.2 Canister Blanks

Summa canisters were batch certified by the laboratory. No contaminants were detected in the canister 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 VOC (EPA Method TO-15) data is regarded as acceptable.

4.4 Completeness

The completeness level attained for VOC (EPA Method TO-15) field samples was 100 percent. This percentage was calculated as the total number of accepted sample results divided by the total number of sample results multiplied by 100.

4.5 Sensitivity

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

5.0 SEMIVOLATILE ORGANIC COMPOUNDS

A total of 30 soil samples were analyzed for SVOCs by EPA SW-846 Method 8270C. All SVOC data were assessed to be valid with the exception of 25 of the 1,890 total results which were rejected based on extremely low MS/MSD and LCS %Rs. This section discusses the QA/QC supporting documentation as defined by the PARCCS criteria and evaluated based on the DQOs.

5.1 Precision and Accuracy

5.1.1 Instrument Calibration

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 ≥ 0.990 in the initial calibration.

Forty-four (44) results were qualified as non-detected estimated (UJ). The %Ds in the initial and continuing calibration verifications were outside the acceptance criteria of 20 percent. The details regarding the qualification of results are provided in Attachment D.

5.1.2 Surrogates

All surrogate %Rs met the laboratory acceptance criteria for this analysis.

5.1.3 MS/MSD Samples

As a result of grossly exceeded MS/MSD %Rs (i.e., 0%), the benzidine result for sample RISB-EJ-04-1.0-20180925 was qualified as rejected (R). Additionally, the aniline and pyridine results for sample RISB-EJ-04-1.0-20180925 and the benzidine result for sample RIDB-35-1-20181212 were qualified as non-detected estimated (UJ) as a result of MS/MSD %Rs below the laboratory acceptance criteria. The details regarding the qualification of results are provided in Attachment D.

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

5.1.4 LCS Samples

As a result of a grossly exceeded LCS %R (e.g., 0%), 24 aniline and benzidine results were qualified as rejected (R). Additionally, 12 pyridine results were qualified as non-detected estimated (UJ) as a result of LCS %Rs below the laboratory acceptance criteria. The details regarding the qualification of results are provided in Attachment D.

5.1.5 Internal Standards

All internal standard retention times met the method acceptance criteria.

5.1.6 FD Samples

All RPDs met the QAPP acceptance criteria.

5.1.7 Compound Quantitation and Target Identification

Raw data were evaluated for seven (7) soil samples. All target identifications were acceptable and all reported sample results, detects and non-detects, were correctly calculated for these Stage 4 samples.

5.2 Representativeness

5.2.1 Sample Preservation and Holding Times

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

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.

5.3 Comparability

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

5.4 Completeness

The completeness level attained for SVOC field samples was 98.68 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 POLYNUCLEAR AROMATIC HYDROCARBONS

A total of 30 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 480 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.

6.1 Precision and Accuracy

6.1.1 Instrument Calibration

The %RSDs met the acceptance criteria of 15 percent in the initial calibration or the coefficient of determination (r^2) was ≥ 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

All surrogate %Rs met the laboratory acceptance criteria for this analysis.

6.1.3 MS/MSD Samples

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

6.1.4 LCS Samples

All LCS %Rs met the laboratory acceptance criteria for this analysis.

6.1.5 Internal Standards

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

6.1.6 FD Samples

All RPDs met the QAPP acceptance criteria.

6.1.7 Compound Quantitation and Target Identification

Raw data were evaluated for seven (7) soil samples. All target identifications were acceptable and all reported sample results, detects and non-detects, were correctly calculated for these Stage 4 samples.

6.2 Representativeness

6.2.1 Holding Times

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

6.2.2 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.

6.2.2.1 Method Blanks

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

6.3 Comparability

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

6.4 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.

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 CHLORINATED PESTICIDES

A total of 30 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 660 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.

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 ≥ 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 and Internal Standards

All surrogate %Rs met the laboratory acceptance criteria for this analysis. All internal standard areas and retention times met the method acceptance criteria.

7.1.3 MS/MSD Samples

The beta-BHC result in sample RISB-ER-02-1.0-20180924 was qualified as detected estimated (J+) as a result of an MS %R above the laboratory acceptance criteria. The details regarding the qualification of results are provided in Attachment F.

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

7.1.4 LCS Samples

All LCS %Rs met the laboratory acceptance criteria for this analysis.

7.1.5 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.

7.1.6 Compound Quantitation and Target Identification

Raw data were evaluated for seven (7) soil samples. All target identifications were acceptable and all reported sample results, detects and non-detects, were correctly calculated 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 soil samples met the 14-day extraction and 40-day analysis holding time criteria.

7.2.2 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.

7.2.2.1 Method Blanks

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

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. 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.

7.4 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.

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 POLYCHLORINATED BIPHENYLS AS AROCLORS

A total of eight (8) soil and 26 water samples were analyzed for aroclor-1260 and a total of seven (7) soil samples were analyzed for PCB as aroclors by EPA SW-846 Method 8082. All PCB as aroclor data were assessed to be valid since none of the 83 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.

8.1 Precision and Accuracy

8.1.1 Instrument Calibration

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

8.1.2 Surrogates and Internal Standards

All surrogate %Rs met the laboratory acceptance criteria for this analysis. All internal standard areas and retention times met the method acceptance criteria.

8.1.3 MS/MSD Samples

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

8.1.4 LCS/LCSD Samples

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

8.1.5 FD Samples

No PCB as aroclor was detected in the field duplicate pairs.

8.1.6 Compound Quantitation and Target Identification

Raw data were evaluated for seven (7) soil samples. All target identifications were acceptable and all reported sample results, detects and non-detects, were correctly calculated for these Stage 4 samples.

8.2 Representativeness

8.2.1 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, 7-day extraction for water, and 40-day analysis holding time criteria.

8.2.2 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.

8.2.2.1 Method Blanks

No contaminants were detected in the method blanks.

8.2.2.2 EBs

No contaminants were detected in the equipment blanks.

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 PCB as aroclor data is regarded as acceptable.

8.4 Completeness

The completeness level attained for PCB as aroclor 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 GASOLINE RANGE ORGANICS

A total of 15 soil samples were analyzed for GRO by EPA SW-846 Method 8015B. All GRO data were assessed to be valid since none of the 15 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 %Ds in the initial and continuing calibration verifications met the acceptance criteria of 20 percent.

9.1.2 Surrogates

All surrogate %Rs met the laboratory acceptance criteria for this analysis.

9.1.3 MS/MSD Samples

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

9.1.4 LCS/LCSD Samples

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

9.1.5 FD Samples

No GRO was detected in the field duplicate pairs.

9.1.6 Compound Quantitation and Target Identification

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

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 soil samples met the 14-day analysis holding time criteria.

9.2.2 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.

9.2.2.1 Method Blanks

No contaminants were detected in the method blanks.

9.3 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.

9.4 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.

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 TOTAL PETROLEUM HYDROCARBONS AS EXTRACTABLES

A total of 15 soil samples were analyzed for TPHE by EPA SW-846 Method 8015B. All TPHE data were assessed to be valid since none of the 30 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

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

10.1.2 Surrogates

All surrogate %Rs met the laboratory acceptance criteria for this analysis.

10.1.3 MS/MSD Samples

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

10.1.4 LCS/LCSD Samples

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

10.1.5 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.

10.1.6 Compound Quantitation and Target Identification

Raw data were evaluated for four (4) soil samples. All target identifications were acceptable and 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 soil samples met the 14-day extraction and 40-day analysis holding time criteria.

10.2.2 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.

10.2.2.1 Method Blanks

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

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 TPHE data is regarded as acceptable.

10.4 Completeness

The completeness level attained for TPHE 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 ORGANOPHOSPHORUS PESTICIDES

A total of 15 soil samples were analyzed for organophosphorus pesticides by EPA SW-846 Method 8141A. All organophosphorus pesticide data were assessed to be valid since none of the 420 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.

11.1 Precision and Accuracy

11.1.1 Instrument Calibration

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

11.1.2 Surrogates

All surrogate %Rs met the laboratory acceptance criteria for this analysis.

11.1.3 MS/MSD Samples

The dimethoate result in sample RISB-EJ-04-1.0-20180925 was qualified as non-detected estimated (UJ) as a result of an MS %R below the laboratory acceptance criteria. The details regarding the qualification of results are provided in Attachment J.

No data were qualified due to a MS/MSD RPD above the laboratory acceptance criteria since the associated sample result was not detected.

11.1.4 LCS Samples

Fifteen (15) dimethoate results were qualified as non-detected estimated (UJ) as a result of a LCS %R below the laboratory acceptance criteria. The details regarding the qualification of results are provided in Attachment J.

11.1.5 FD Samples

No organophosphorus pesticide was detected in the field duplicate pairs.

11.1.6 Compound Quantitation and Target Identification

Raw data were evaluated for two soil samples. All target identifications were acceptable and 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 the method was conducted. All soil samples met the 14-day extraction and 40-day analysis holding time criteria.

11.2.2 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.

11.2.2.1 Method Blanks

No contaminants were detected in the method blanks.

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 organophosphorus pesticide data is regarded as acceptable.

11.4 Completeness

The completeness level attained for organophosphorus 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.

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 POLYCHLORINATED DIOXINS AND DIBENZOFURANS

A total of 30 soil and four (4) water samples were analyzed for PCDD/PCDFs and the Total TEQ calculated by EPA SW-846 Method 8290. All PCDD/PCDF data were assessed to be valid since none of the 869 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.

12.1 Precision and Accuracy

12.1.1 Instrument Calibration

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

One hundred and forty-two (142) results were qualified as detected estimated (J). The chromatographic resolution between 2,3,7,8-TCDD and any other unlabeled TCDD isomers was outside the acceptance criteria of 25 percent. Bias cannot be determined.

Six (6) 1,2,3,4,7,8-HxCDD and total HxCDD results were qualified as detected estimated (J+). The CCV %D was outside the acceptance criteria of 20 percent. Positive bias was removed for all six (6) results since these results were also qualified as estimated (J) due to method blank contamination, TCDD resolution and as estimated maximum possible concentration (EMPC).

Twenty-eight (28) 1,2,3,7,8-PeCDD, total PeCDD, 2,3,7,8-TCDF and total TCDF results were qualified as detected estimated (J,J-) or non-detected estimated (UJ). The initial calibration (ICAL) ion ratio was outside the method acceptance criteria and/or the CCV %Ds were outside the acceptance criteria of 20 percent for unlabeled compounds or 30 percent for labeled compounds. Negative bias was removed for eight (8) of 12 detected results since these results were also qualified as estimated (J) due TCDD resolution and as EMPC.

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

12.1.2 MS/MSD Samples

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

12.1.3 LCS/LCSD Samples

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

12.1.4 Internal Standards

The OCDD and OCDF results for sample RISB-EJ-02-10.0-20180924 were qualified as detected estimated (J-) as a result of internal standard %R below the method acceptance criteria. The details regarding the qualification of results are provided in Attachment K.

12.1.5 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.

12.1.6 Compound Quantitation and Target Identification

Raw data were evaluated for seven (7) soil 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, 256 results reported by the laboratory as EMPC were qualified as estimated (J). The details regarding the qualification of results are provided in Attachment K.

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 soil samples met the method holding time criteria of 30-day extraction and 45-day analysis. There is no holding time for PCDD/PCDFs per EPA SW-846 update V, July 2014, Revision 5.

12.2.2 Blanks

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

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

Results Below 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.

For this data set, five times the blank value was used to assess contaminants for dioxins. 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 associated with the Remedial Investigation collected for the NERT site by Ramboll.

12.2.2.1 Method Blanks

As a result of contamination found in the method blanks, 62 results were qualified as detected estimated (J). The details regarding the qualification of results are provided in Attachment K.

12.3 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.

12.4 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.

12.5 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.

13.0 POLYCHLORINATED BIPHENYLS AS CONGENERS

A total of 15 soil samples were analyzed for PCB as congener by EPA Method 1668A. All PCB as congener data were assessed to be valid since none of the 2,655 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.

13.1 Precision and Accuracy

13.1.1 Instrument Calibration

The %RSDs in the initial calibration met the acceptance criteria of 20 percent for unlabeled and labeled compounds. The %Ds in the initial and continuing calibration verifications met the acceptance criteria of 30 percent for unlabeled compounds and 50 percent for labeled compounds. The ion abundance ratios met the method acceptance criteria.

13.1.2 MS/MSD Samples

The PCB-118 and total pentachlorobiphenyls results in sample RISB-EJ-04-1.0-20180925 were qualified as detected estimated (J+) as a result of MS %R above the laboratory acceptance criteria. The details regarding the qualification of results are provided in Attachment L.

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

13.1.3 LCS/LCSD Samples

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

13.1.4 Internal Standards

All internal standard %Rs met the method acceptance criteria.

13.1.5 FD Samples

Eighteen (18) results in field duplicate pairs RISB-EJ-03-1.0-20180925 and RISB-EJ-03-1.0-20180925-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 L.

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.

13.1.6 Compound Quantitation and Target Identification

Raw data were evaluated for two (2) soil 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, the PCB-209 result for samples RISB-EJ-02-1.0-20180924 and RISB-EJ-04-1.0-20180925 exceeded the calibration range and 369 results reported by the laboratory as EMPC were qualified as estimated (J). The details regarding the qualification of results are provided in Attachment L.

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 soil samples met the method holding time criteria of 1-year extraction and analysis. There is no holding time for PCBs per EPA SW-846 update V, July 2014, Revision 5.

13.2.2 Blanks

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

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

13.2.2.1 Method Blanks

As a result of contamination found in the method blanks, 163 results were qualified as detected estimated (J). The details regarding the qualification of results are provided in Attachment L.

13.3 Comparability

The laboratory used standard analytical methods for all of the analyses. The laboratory reported non-detected results at the sample specific 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 PCB as congener data is regarded as acceptable.

13.4 Completeness

The completeness level attained for PCB as congener 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 PQLs met the specified requirements described in the QAPP.

14.0 METALS

A total of 60 water samples were analyzed for metals by EPA Method 200.7, a total of 44 water samples were analyzed for arsenic by EPA Method 200.8, a total of 173 soil and five (5) water samples were

analyzed for metals by EPA SW-846 Method 6010B, a total of 74 soil samples and 31 water samples were analyzed for metals by EPA SW-846 Method 6020A, a total of five (5) water samples were analyzed for mercury by EPA SW-846 Method 7470A, and a total of 74 soil samples were analyzed for mercury by EPA SW-846 Method 7471A. All metal data were assessed to be valid since none of the 2,834 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.

14.1 Precision and Accuracy

14.1.1 Instrument Calibration

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

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

The silver results in samples RISB-5-23.0-20181218 and RISB-5-23.0-20181218-FD were qualified as non-detected estimated (UJ) due to low level check standard (CRI) %R below the acceptance criteria of 70-130%. The details regarding the qualification of results are provided in Attachment M.

14.1.2 MS/MSD Samples

One hundred twenty-three (123) were qualified as detected estimated (J-) or non-detected estimated (UJ) due to MS/MSD %Rs below the laboratory acceptance criteria. Negative bias was removed for two (2) of 123 results since these results were also qualified as estimated (J) due to MS/MSD RPD above the laboratory acceptance.

One hundred twenty-three (123) results were qualified as detected estimated (J+) due to MS/MSD %Rs above the laboratory acceptance criteria. Positive bias was removed for 14 of 123 results since these results were also qualified as estimated (J) due to MS/MSD RPD above the laboratory acceptance.

Thirty-eight (38) results were qualified as detected estimated (J) as a result of MS/MSD RPDs above the laboratory acceptance criteria.

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

14.1.3 LCS/LCSD and SRM Samples

All LCS/LCSD %Rs and RPDs and standard reference material (SRM) %Rs met the laboratory acceptance criteria for this analysis.

14.1.4 ICP Interference Check Sample

All ICS interference check concentrations met the method acceptance criteria.

14.1.5 ICP Serial Dilution

Sixty-one (61) results were qualified as detected estimated (J) as a result of ICP serial dilution %Ds outside method acceptance criteria. The details regarding the qualification of results are provided in Attachment M.

14.1.6 Internal Standards

All internal standard %Rs met the method acceptance criteria.

14.1.7 FD Samples

Eight (8) results in three (3) 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 M.

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.

14.1.8 Sample Result Verification

Raw data were evaluated for 34 soil samples for metals by EPA SW-846 Method 6010B, 9 soil samples for metals by EPA SW-846 Method 6020A, and 13 soil samples for mercury by EPA SW-846 Method 7471A. All reported sample results, detects and non-detects, were correctly calculated for these Stage 4 samples.

14.2 Representativeness

14.2.1 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.

14.2.2 Blanks

Method blanks, ICB/CCBs, and EBs 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.

14.2.2.1 Method and Calibration Blanks

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

14.2.2.2 EBs

As a result of contamination found in the equipment blanks, the aluminum and iron results for sample PC-156B-20181116 were qualified as detected estimated (J). The details regarding the qualification of results are provided in Attachment M.

14.3 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.

14.4 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.

14.5 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.

15.0 WET CHEMISTRY

A total of 50 water samples were analyzed for hexavalent chromium by EPA Method 218.6, and 74 soil and five (5) water samples were analyzed for hexavalent chromium by EPA SW-846 Method 7199. A total of 90 soil and 65 water samples were analyzed for anions by EPA Method 300.0, 110 soil and 46 water samples were reported for nitrate nitrite as nitrogen by calculation method and 83 soil samples were analyzed for anions by EPA SW-846 Method 9056. A total of 15 soil samples were analyzed for chlorite by EPA Method 300.1B, and 173 soil and 65 water samples were analyzed for chlorate by EPA Method 300.1B, and perchlorate by EPA Method 314.0. A total of 44 soil and 65 water samples were analyzed for alkalinity by Standard Method 2320B. A total of 59 soil and five (5) water samples were analyzed for ammonia by Standard Method 4500-NH3D. A total of 24 water samples were analyzed for total phosphorus by EPA Method 365.3, 52 water samples for conductivity by Standard Method 2510B, 59 water samples were analyzed for TDS by Standard Method 2540C, six (6) water samples were analyzed for ferrous iron and ferric iron by Standard Method 3500, 51 water samples were analyzed for DOC by Standard Method 5310B, 28 water samples were analyzed for pH by EPA SW-846 Method 9040C, and 50 water samples were analyzed for sulfide by Standard Method 9034. A total of 15 soil samples were analyzed for VFA by ion chromatography. All wet chemistry data were assessed to be valid with the exception of 28 of the 2,623 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.

15.1 Precision and Accuracy

15.1.1 Instrument Calibration

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

15.1.2 Surrogate

Surrogates were evaluated for chlorate by EPA Method 300.1B. Fifteen (15) chlorate results were qualified as estimated (J-) due to surrogate %Rs below the laboratory acceptance criteria. Negative bias was removed for one (1) of 15 chlorate results since this result was also qualified as estimated (J+) due to MS/MSD %R above the QAPP acceptance criteria. The details regarding the qualification of results are provided in Attachment N.

15.1.3 MS/MSD Samples

As a result of grossly exceeded MS/MSD %Rs (e.g., $< 30\%$), nine (9) orthophosphate as phosphorus and 18 orthophosphate as phosphate results were qualified as rejected (R). Additionally, 105 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 (2) of 105 results since these results were also qualified as estimated (J) due to MS/MSD RPD above the laboratory acceptance criteria.

One hundred nineteen (119) results were qualified as detected estimated (J+) due to MS/MSD %Rs above the laboratory acceptance criteria. Positive bias was removed for three (3) of 119 results since these results were also qualified as estimated (J-, J) due to surrogate %R or field duplicate RPD outside the QAPP acceptance criteria.

Eleven (11) results were qualified as detected estimated (J) or non-detected estimated (UJ) as a result of MS/MSD RPDs above the laboratory acceptance criteria.

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

15.1.4 DUP Samples

All DUP RPDs met the laboratory acceptance criteria for these analyses.

15.1.5 LCS/LCSD Samples

The chlorate result for sample RISB-5-5.0-20181218 was qualified as detected estimated (J+) as a result of LCS %R above the laboratory acceptance criteria. The details regarding the qualification of results are provided in Attachment N.

All LCS/LCSD RPDs met the laboratory acceptance criteria for these analyses.

15.1.6 FD Samples

Twelve (12) results in four (4) 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 N.

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.

15.1.7 Sample Result Verification

Raw data were evaluated for six (6) soil samples for alkalinity and ammonia, 11 soil samples for anions (EPA Method 300.0), 26 soil samples for nitrate/nitrite as nitrogen, 28 soil samples for anions (Method SW9056), 34 soil sample for chlorate, two samples for chlorite and VFA, 13 soil samples for hexavalent chromium (Method SW7199), and 19 soil samples for perchlorate. All reported sample results, detects and non-detects, were correctly calculated for these Stage 4 samples.

In instances where data were reanalyzed by the laboratory, data were qualified as not reportable (DNR) by the validators in order to yield only one complete set of data for a given sample. For sample RIDB-30-130.0-20181009, the perchlorate result from the original analysis was considered most useable since it was consistent with the reanalysis.

15.2 Representativeness

15.2.1 Sample Preservation and Holding Times

The evaluation of holding times to verify compliance with all wet chemistry methods was conducted. All samples met the 48 hour analysis holding time criteria for water samples analyzed for orthophosphate as phosphorus, the 28-day analysis holding time criteria for soil samples analyzed for nitrate as nitrate, nitrate/nitrite as nitrogen, nitrite as nitrogen, and orthophosphate as phosphate, 7-day analysis holding time for water samples analyzed for sulfide and TDS, the 14-day analysis holding time criteria for soil and water samples analyzed for alkalinity and cyanide, the 28-day analysis holding time criteria for soil and water samples analyzed for bromide, chlorate, chloride, sulfate, perchlorate, total phosphorus, DOC, and conductivity for soil and water samples, and the 30-day analysis holding time criteria for soil samples analyzed for hexavalent chromium.

The hexavalent chromium result for sample M-227R-20180413 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, seven (7) hexavalent chromium results were qualified as detected estimated (J-) or non-detected estimated (UJ) as a result of exceeding the analysis holding time criteria of 24 hours for water samples; six (6) ferrous iron and six (6) nitrate as nitrate 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 water samples. water samples.

Twenty-eight (28) pH results were qualified as detected estimated (J). The holding time criteria is 48 hours for water samples. Bias cannot be determined.

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

15.2.2 Blanks

Method blanks, ICB/CCBs, 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 9.2.2.

15.2.2.1 Laboratory and Calibration Blanks

Four (4) bicarbonate as HC03 results were qualified as detected estimated (J+) due to contaminants detected in the method blanks. The details regarding the qualification of results are presented in Attachment N.

15.2.2.2 EBs

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

15.3 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.

15.4 Completeness

The completeness level attained for wet chemistry field samples was 100 percent for alkalinity, ammonia, nitrate/nitrite as nitrogen, chlorate & chlorite, conductivity, hexavalent chromium (Method SW7199), DOC, ferric and ferrous iron, perchlorate, pH, sulfide, TDS, total phosphorus and VFA; 97.52 percent for anions (EPA Method 300.0); 96.27 percent for anions (Method SW9056); and 98.0 percent for hexavalent chromium (EPA Method 218.6). This percentage was calculated as the total number of accepted sample results divided by the total number of sample results multiplied by 100.

15.5 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.

16.0 RADIUM-226 AND RADIUM-228

A total of 30 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 60 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.

16.1 Precision and Accuracy

16.1.1 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.

16.1.2 Carrier

All carrier %Rs met the method acceptance criteria.

16.1.3 DUP Samples

All DUP Relative Error Ratio (RER) met the laboratory acceptance criteria.

16.1.4 LCS Samples

All LCS %Rs met the QAPP acceptance criteria.

16.1.5 FD Samples

All RPDs met the QAPP acceptance criteria.

16.1.6 Isotope Quantitation and Target Identification

Raw data were evaluated for seven (7) soil samples. All target identifications were acceptable and all reported sample results, detects and non-detects, were correctly calculated for these Stage 4 samples.

16.2 Representativeness

16.2.1 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.

16.2.2 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.

16.2.2.1 Method Blanks

As a result of contamination found in the method blanks, three (3) radium-226 results were qualified as detected estimated (J). The details regarding the qualification of results are provided in Attachment O.

16.3 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.

16.4 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.

16.5 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.

17.0 ISOTOPIC THORIUM AND ISOTOPIC URANIUM

A total of 15 soil samples were analyzed for isotopic thorium by ALS SOP 714 Revision 14, isotopic thorium by Method A-01-R, and isotopic uranium by DOE Method U-02-RC. All isotopic thorium and isotopic uranium data were assessed to be valid since none of the 150 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.

17.1 Precision and Accuracy

17.1.1 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.

17.1.2 Tracer

All tracer %Rs met the method acceptance criteria.

17.1.4 DUP Samples

Nine (9) uranium-235 and nine (9) total uranium results were qualified as detected estimated (J) or non-detected estimated (UJ) as a result of DUP RERs above the laboratory acceptance criteria. All DUP RERs met the laboratory acceptance criteria.

17.1.5 LCS/LCSD Samples

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

17.1.6 FD Samples

All RPDs for thorium met the QAPP acceptance criteria.

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

17.1.7 Isotope Quantitation and Target Identification

Raw data were evaluated for nine (9) soil samples for isotopic thorium analyzed by ALS SOP 714 Revision 14, seven (7) soil samples for isotopic thorium analyzed by Method A-01-R and two (2) soil

samples for isotopic uranium analyzed by DOE Method U-02-RC. All target identifications were acceptable and all reported sample results, detects and non-detects, were correctly calculated for these Stage 4 samples.

17.2 Representativeness

17.2.1 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.

17.2.2 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 16.2.2.

17.2.2.1 Method Blanks

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

17.3 Comparability

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

17.4 Completeness

The completeness level attained for isotopic thorium and isotopic uranium 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.

17.5 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.

18.0 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.

19.0 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.

19.1 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, 4.1.1, 5.1.1, 12.1.1, and 14.1.1.

All surrogate, LCS/LCSD and MS/MSD %Rs and RPDs, internal standard areas and %Rs, RPD between two columns, serial dilution %Ds, ICP interference check, field and laboratory duplicate RPDs, and compound quantitation and target identifications met acceptance criteria with the exceptions noted in Sections 2.1.2, 2.1.3, 2.1.5, 3.1.2, 4.1.2, 5.1.3, 5.1.4, 7.1.3, 11.1.3, 11.1.4, 12.1.4, 12.1.6, 13.1.2, 13.1.5, 13.1.6, 14.1.2, 14.1.5, 14.1.7, 15.1.2, 15.1.3, 15.1.5, 15.1.6, and 17.1.4.

19.2 Representativeness

All samples for each method and matrix were evaluated for holding time compliance. All holding times were met with the exception noted in Section 15.2.1. All samples were associated with a method blank and 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 2.2.2.1, 4.2.2.1, 12.2.2.1, 13.2.2.1, 14.2.2.2, 15.2.2.1 and 16.2.2.1.

19.3 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 with the exception noted in Section 2.2.1. Sample preservation and holding times were within QC criteria. The overall comparability is considered acceptable.

19.4 Completeness

Of the 30,256 total analytes reported, 53 of the sample results were rejected. The completeness for the SDGs is as follows:

Parameter (Method)	Total Analytes	No. of Rejects	% Completeness
VOC (Method SW8260B)	13,967	0	100
1,2,3-Trichloropropane & 1,4-Dioxane	120	0	100
VOC (EPA Method TO-15)	3,400	0	100
SVOC	1,890	25	98.68
PAH	480	0	100
Chlorinated Pesticides	660	0	100
PCB as Aroclors	83	0	100
GRO	15	0	100
TPHE	30	0	100
Organophosphorus Pesticides	420	0	100
Dioxins and Furans	869	0	100
PCB as Congeners	2,655	0	100
Metals	2,834	0	100
Alkalinity	436	0	100
Ammonia	79	0	100
Anions (300.0)	725	18	97.52
Nitrate/Nitrite as N	156	0	100
Anions (9056)	241	9	96.27

Chlorate & Chlorite	253	0	100
Conductivity	52	0	100
Hexavalent Chromium (EPA Method 218.6)	50	1	98.00
Hexavalent Chromium (EPA Method 7199)	79	0	100
DOC	51	0	100
Ferric and Ferrous Iron	12	0	100
Perchlorate	238	0	100
pH	28	0	100
Sulfide	50	0	100
TDS	59	0	100
Total Phosphorus	24	0	100
VFA	90	0	100
Radium-226 and Radium-228	60	0	100
Isotopic Thorium	90	0	100
Isotopic Uranium	60	0	100
Total	30,256	53	99.8

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

19.5 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.

20.0 CONCLUSIONS AND RECOMMENDATIONS

The analytical data quality assessment for the air, soil and water sample laboratory analytical results generated during the Phase 2 Remedial Investigation air, soil and groundwater sampling activities completed from March 2018 through March 2019, 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.

21.0 REFERENCES

American Public Health Association 2012. Standard Method for the Examination of Water and Wastewater (22nd ed.). Washington, DC: American Public Health Association; Rice, Baird, Eaton, and Clesceri.

NDEP 2018. NDEP Data Validation Guidance. July.

NDEP. 2018b. Email from NDEP to the Trust regarding Multiple Results Reported. December 7.

Ramboll 2017. Quality Assurance Project Plan, Revision 2, Nevada Environmental Response Trust Site, Henderson, Nevada. October.

USEPA 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.+

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.

TABLES

Table I. Sample Cross-Reference

LDC	SDG	Client ID	Lab ID	QC Type	Sample Date	Matrix	Validation Level	VOC (SW8260B)	TCP & Dioxane (SW8260BSIM)	VOC (ETO15)	SVOC (SW8270C)	PAH (SW8270CSIM)	Chlorinated Pesticides (SW8081A)	PCB as Aroclors (SW8082)	GRO (SW8015B)	TPHE (SW8015B)	Organophosphorus Pesticides SW(8141A)	PCDD/PCDF & TEQ (SW8290)	PCB as Congeners (E1668A)	Metals (SW6010B)	Metals (SW6020A)	Mercury (SW7470A)	Mercury (SW7471A)	Metals (E200.7)	Metals (E200.8)	CrVI (E218.6)	CrVI (SW7199)	
43948	4402207713	RISB-ER-02-1.0-20180924	1809540-1		9/24/2018	Soil	Stage 2B																					
43948	4402207713	RISB-ER-02-10.0-20180924	1809540-2		9/24/2018	Soil	Stage 2B																					
43948	4402207713	RISB-EJ-02-1.0-20180924	1809540-3		9/24/2018	Soil	Stage 2B																					
43948	4402207713	RISB-EJ-02-10.0-20180924	1809540-4		9/24/2018	Soil	Stage 2B																					
43948	4402208433	RISB-EJ-04-1.0-20180925	1809606-1		9/25/2018	Soil	Stage 4																					
43948	4402208433	RISB-EJ-04-10.0-20180925	1809606-2		9/25/2018	Soil	Stage 4																					
43948	4402208433	RISB-EJ-03-1.0-20180925	1809606-3	FD1	9/25/2018	Soil	Stage 4																					
43948	4402208433	RISB-EJ-03-1.0-20180925-FD	1809606-4	FD1	9/25/2018	Soil	Stage 4																					
43948	4402208433	RISB-EJ-03-10.0-20180925	1809606-5		9/25/2018	Soil	Stage 4																					
43948	4402208433	RISB-ER-03-1.0-20180925	1809606-6		9/25/2018	Soil	Stage 4																					
43948	4402208433	RISB-ER-03-10.0-20180925	1809606-7		9/25/2018	Soil	Stage 4																					
43948	4402208433	RISB-ER-01-1.0-20180925	1809606-8		9/25/2018	Soil	Stage 4																					
43948	4402208433	RISB-ER-01-10.0-20180925	1809606-9		9/25/2018	Soil	Stage 4																					
43948	4402209513	RISB-EJ-01-1.0-20180926	1809609-1		9/26/2018	Soil	Stage 2B																					
43948	4402209513	RISB-EJ-01-10.0-20180926	1809609-2		9/26/2018	Soil	Stage 2B																					
44706	320481651	RISG-11-5.0-20190306	320-48165-1		3/6/2019	Air	Stage 4			X																		
44706	320481651	RISG-11-15.0-20190307	320-48165-2		3/7/2019	Air	Stage 2B			X																		
44706	320481651	RISG-24-15.0-20190307	320-48165-3		3/7/2019	Air	Stage 2B			X																		
44706	320481651	RISG-24-5.0-20190307	320-48165-4		3/7/2019	Air	Stage 2B			X																		
44706	320481651	RISG-12-5.0-20190307	320-48165-5		3/7/2019	Air	Stage 2B			X																		
44706	320481651	RISG-12-15.0-20190307	320-48165-6		3/7/2019	Air	Stage 2B			X																		
44706	320481651	RISG-26-5.0-20190307	320-48165-7		3/7/2019	Air	Stage 2B			X																		
44706	320481651	RISG-26-15.0-20190307	320-48165-8	FD2	3/7/2019	Air	Stage 2B			X																		
44706	320481651	RISG-26-15.0-20190307_FD	320-48165-9	FD2	3/7/2019	Air	Stage 2B			X																		

Table I. Sample Cross-Reference

LDC	SDG	Client ID	Lab ID	QC Type	Sample Date	Matrix	Validation Level	Anions (E300.0)	NO ₂ /NO ₃ -N (Calc)	Anions (SW9056)	Chlorate (E300.1B)	Chlorite (E300.1B)	Perchlorate (E314.0)	Phosphorus (E365.3)	Alkalinity (SM2320B)	Conductivity (SM2510B)	TDS (SM2540C)	FeII & FeIII (SM3500)	NH3 (SM4500)	DOC (SM5310B)	Sulfide (SW9034)	pH (SW9040C)	VFA (VFA-1C)	Ra-226 (E903.0)	Ra-228 (E904.0)	Isotopic Thorium (SOP 714 R14)	Isotopic Thorium (A01R)	Isotopic Uranium (DOE U-0-RC)		
43948	4402207713	RISB-ER-02-1.0-20180924	1809540-1		9/24/2018	Soil	Stage 2B																				X			
43948	4402207713	RISB-ER-02-10.0-20180924	1809540-2		9/24/2018	Soil	Stage 2B																					X		
43948	4402207713	RISB-EJ-02-1.0-20180924	1809540-3		9/24/2018	Soil	Stage 2B																					X		
43948	4402207713	RISB-EJ-02-10.0-20180924	1809540-4		9/24/2018	Soil	Stage 2B																					X		
43948	4402208433	RISB-EJ-04-1.0-20180925	1809606-1		9/25/2018	Soil	Stage 4																					X		
43948	4402208433	RISB-EJ-04-10.0-20180925	1809606-2		9/25/2018	Soil	Stage 4																					X		
43948	4402208433	RISB-EJ-03-1.0-20180925	1809606-3	FD1	9/25/2018	Soil	Stage 4																					X		
43948	4402208433	RISB-EJ-03-1.0-20180925-FD	1809606-4	FD1	9/25/2018	Soil	Stage 4																					X		
43948	4402208433	RISB-EJ-03-10.0-20180925	1809606-5		9/25/2018	Soil	Stage 4																					X		
43948	4402208433	RISB-ER-03-1.0-20180925	1809606-6		9/25/2018	Soil	Stage 4																					X		
43948	4402208433	RISB-ER-03-10.0-20180925	1809606-7		9/25/2018	Soil	Stage 4																					X		
43948	4402208433	RISB-ER-01-1.0-20180925	1809606-8		9/25/2018	Soil	Stage 4																					X		
43948	4402208433	RISB-ER-01-10.0-20180925	1809606-9		9/25/2018	Soil	Stage 4																					X		
43948	4402209513	RISB-EJ-01-1.0-20180926	1809609-1		9/26/2018	Soil	Stage 2B																					X		
43948	4402209513	RISB-EJ-01-10.0-20180926	1809609-2		9/26/2018	Soil	Stage 2B																					X		
44706	320481651	RISG-11-5.0-20190306	320-48165-1		3/6/2019	Air	Stage 4																							
44706	320481651	RISG-11-15.0-20190307	320-48165-2		3/7/2019	Air	Stage 2B																							
44706	320481651	RISG-24-15.0-20190307	320-48165-3		3/7/2019	Air	Stage 2B																							
44706	320481651	RISG-24-5.0-20190307	320-48165-4		3/7/2019	Air	Stage 2B																							
44706	320481651	RISG-12-5.0-20190307	320-48165-5		3/7/2019	Air	Stage 2B																							
44706	320481651	RISG-12-15.0-20190307	320-48165-6		3/7/2019	Air	Stage 2B																							
44706	320481651	RISG-26-5.0-20190307	320-48165-7		3/7/2019	Air	Stage 2B																							
44706	320481651	RISG-26-15.0-20190307	320-48165-8	FD2	3/7/2019	Air	Stage 2B																							
44706	320481651	RISG-26-15.0-20190307_FD	320-48165-9	FD2	3/7/2019	Air	Stage 2B																							

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LDC	SDG	Client ID	Lab ID	QC Type	Sample Date	Matrix	Validation Level	VOC (SW8260B)	TCP & Dioxane (SW8260BSIM)	VOC (ETO15)	SVOC (SW8270C)	PAH (SW8270CSIM)	Chlorinated Pesticides (SW8081A)	PCB as Aroclors (SW8082)	GRO (SW8015B)	TPHE (SW8015B)	Organophosphorus Pesticides SW(8141A)	PCDD/PCDF & TEQ (SW8290)	PCB as Congeners (E1668A)	Metals (SW6010B)	Metals (SW6020A)	Mercury (SW7470A)	Mercury (SW7471A)	Metals (E200.7)	Metals (E200.8)	CrVI (E218.6)	CrVI (SW7199)
44706	320482231	RISG-25-15.0-20190308	320-48223-1		3/8/2019	Air	Stage 2B			X																	
44706	320482231	RISG-25-5.0-20190308	320-48223-2		3/8/2019	Air	Stage 2B			X																	
44706	320482231	RISG-10-15.0-20190308	320-48223-3		3/8/2019	Air	Stage 4			X																	
44706	320482231	RISG-10-5.0-20190308	320-48223-4		3/8/2019	Air	Stage 2B			X																	
44706	320482231	RISG-23-5.0-20190308	320-48223-5		3/8/2019	Air	Stage 2B			X																	
44706	320482231	RISG-23-15.0-20190308	320-48223-6		3/8/2019	Air	Stage 2B			X																	
44706	320482231	RISG-28-5.0-20190308	320-48223-7		3/8/2019	Air	Stage 4			X																	
44706	320482231	RISG-28-15.0-20190308	320-48223-8		3/8/2019	Air	Stage 2B			X																	
44706	320482481	RISG-21-15.0-20190311	320-48248-1		3/11/2019	Air	Stage 2B			X																	
44706	320482481	RISG-21-5.0-20190311	320-48248-2		3/11/2019	Air	Stage 2B			X																	
44706	320482481	RISG-29-15.0-20190311	320-48248-3		3/11/2019	Air	Stage 4			X																	
44706	320482481	RISG-15-5.0-20190311	320-48248-4		3/11/2019	Air	Stage 2B			X																	
44706	320482481	RISG-29-5.0-20190311	320-48248-5		3/11/2019	Air	Stage 2B			X																	
44706	320482481	RISG-15-15.0-20190311	320-48248-6		3/11/2019	Air	Stage 2B			X																	
44706	320482481	RISG-1-15.0-20190311	320-48248-7		3/11/2019	Air	Stage 2B			X																	
44706	320482481	RISG-14-15.0-20190311	320-48248-8	FD3	3/11/2019	Air	Stage 2B			X																	
44706	320482481	RISG-14-15.0-20190311-FD	320-48248-9	FD3	3/11/2019	Air	Stage 2B			X																	
44706	320482481	RISG-1-5.0-20190311	320-48248-10		3/11/2019	Air	Stage 2B			X																	
44706	320482481	RISG-14-5.0-20190311	320-48248-11		3/11/2019	Air	Stage 2B			X																	
44706	320483131	RISG-33-5.0-20190313	320-48313-1	FD4	3/13/2019	Air	Stage 2B			X																	
44706	320483131	RISG-34-5.0-20190313	320-48313-2		3/13/2019	Air	Stage 2B			X																	
44706	320483131	RISG-33-5.0-20190313-FD	320-48313-3	FD4	3/13/2019	Air	Stage 2B			X																	
44706	320483131	RISG-34-15.0-20190313	320-48313-4		3/13/2019	Air	Stage 2B			X																	
44706	320483131	RISG-33-15.0-20190313	320-48313-5		3/13/2019	Air	Stage 4			X																	

Table I. Sample Cross-Reference

LDC	SDG	Client ID	Lab ID	QC Type	Sample Date	Matrix	Validation Level	Anions (E300.0)	NO ₂ /NO ₃ -N (Calc)	Anions (SW9056)	Chlorate (E300.1B)	Chlorite (E300.1B)	Perchlorate (E314.0)	Phosphorus (E365.3)	Alkalinity (SM2320B)	Conductivity (SM2510B)	TDS (SM2540C)	FeII & FeIII (SM3500)	NH3 (SM4500)	DOC (SM5310B)	Sulfide (SW9034)	pH (SW9040C)	VFA (VFA-IC)	Ra-226 (E903.0)	Ra-228 (E904.0)	Isotopic Thorium (SOP 714 R14)	Isotopic Thorium (A01R)	Isotopic Uranium (DOE U-0-RC)	
44706	320482231	RISG-25-15.0-20190308	320-48223-1		3/8/2019	Air	Stage 2B																						
44706	320482231	RISG-25-5.0-20190308	320-48223-2		3/8/2019	Air	Stage 2B																						
44706	320482231	RISG-10-15.0-20190308	320-48223-3		3/8/2019	Air	Stage 4																						
44706	320482231	RISG-10-5.0-20190308	320-48223-4		3/8/2019	Air	Stage 2B																						
44706	320482231	RISG-23-5.0-20190308	320-48223-5		3/8/2019	Air	Stage 2B																						
44706	320482231	RISG-23-15.0-20190308	320-48223-6		3/8/2019	Air	Stage 2B																						
44706	320482231	RISG-28-5.0-20190308	320-48223-7		3/8/2019	Air	Stage 4																						
44706	320482231	RISG-28-15.0-20190308	320-48223-8		3/8/2019	Air	Stage 2B																						
44706	320482481	RISG-21-15.0-20190311	320-48248-1		3/11/2019	Air	Stage 2B																						
44706	320482481	RISG-21-5.0-20190311	320-48248-2		3/11/2019	Air	Stage 2B																						
44706	320482481	RISG-29-15.0-20190311	320-48248-3		3/11/2019	Air	Stage 4																						
44706	320482481	RISG-15-5.0-20190311	320-48248-4		3/11/2019	Air	Stage 2B																						
44706	320482481	RISG-29-5.0-20190311	320-48248-5		3/11/2019	Air	Stage 2B																						
44706	320482481	RISG-15-15.0-20190311	320-48248-6		3/11/2019	Air	Stage 2B																						
44706	320482481	RISG-1-15.0-20190311	320-48248-7		3/11/2019	Air	Stage 2B																						
44706	320482481	RISG-14-15.0-20190311	320-48248-8	FD3	3/11/2019	Air	Stage 2B																						
44706	320482481	RISG-14-15.0-20190311-FD	320-48248-9	FD3	3/11/2019	Air	Stage 2B																						
44706	320482481	RISG-1-5.0-20190311	320-48248-10		3/11/2019	Air	Stage 2B																						
44706	320482481	RISG-14-5.0-20190311	320-48248-11		3/11/2019	Air	Stage 2B																						
44706	320483131	RISG-33-5.0-20190313	320-48313-1	FD4	3/13/2019	Air	Stage 2B																						
44706	320483131	RISG-34-5.0-20190313	320-48313-2		3/13/2019	Air	Stage 2B																						
44706	320483131	RISG-33-5.0-20190313-FD	320-48313-3	FD4	3/13/2019	Air	Stage 2B																						
44706	320483131	RISG-34-15.0-20190313	320-48313-4		3/13/2019	Air	Stage 2B																						
44706	320483131	RISG-33-15.0-20190313	320-48313-5		3/13/2019	Air	Stage 4																						

Table I. Sample Cross-Reference

LDC	SDG	Client ID	Lab ID	QC Type	Sample Date	Matrix	Validation Level	VOC (SW8260B)	TCP & Dioxane (SW8260BSIM)	VOC (ETO15)	SVOC (SW8270C)	PAH (SW8270CSIM)	Chlorinated Pesticides (SW8081A)	PCB as Aroclors (SW8082)	GRO (SW8015B)	TPHE (SW8015B)	Organophosphorus Pesticides SW(8141A)	PCDD/PCDF & TEQ (SW8290)	PCB as Congeners (E1668A)	Metals (SW6010B)	Metals (SW6020A)	Mercury (SW7470A)	Mercury (SW7471A)	Metals (E200.7)	Metals (E200.8)	CrVI (E218.6)	CrVI (SW7199)	
44706	320483131	RISG-32-5.0-20190313	320-48313-6		3/13/2019	Air	Stage 2B			X																		
44706	320483131	RISG-31-5.0-20190313	320-48313-7		3/13/2019	Air	Stage 2B			X																		
44706	320483131	RISG-32-15.0-20190313	320-48313-8		3/13/2019	Air	Stage 2B			X																		
44706	320483131	RISG-4-5.0-20190311	320-48313-9		3/11/2019	Air	Stage 2B			X																		
44706	320483131	RISG-4-15.0-20190311	320-48313-10		3/11/2019	Air	Stage 2B			X																		
44706	320483131	RISG-5-5.0-20190313	320-48313-11	FD5	3/13/2019	Air	Stage 2B			X																		
44706	320483131	RISG-5-5.0-20190313-FD	320-48313-12	FD5	3/13/2019	Air	Stage 2B			X																		
44706	320483721	RISG-9-5.0-20190314	320-48372-1	FD6	3/14/2019	Air	Stage 2B			X																		
44706	320483721	RISG-7-10.0-20190314	320-48372-2		3/14/2019	Air	Stage 4			X																		
44706	320483721	RISG-9-5.0-20190314-FD	320-48372-3	FD6	3/14/2019	Air	Stage 2B			X																		
44706	320483721	RISG-17-5.0-20190314	320-48372-4		3/14/2019	Air	Stage 4			X																		
44706	320483721	RISG-20-15.0-20190314-FD	320-48372-5	FD7	3/14/2019	Air	Stage 2B			X																		
44706	320483721	RISG-5-15.0-20190314	320-48372-6		3/14/2019	Air	Stage 2B			X																		
44706	320483721	RISG-18-5.0-20190314	320-48372-7		3/14/2019	Air	Stage 4			X																		
44706	320483721	RISG-2-15.0-20190314	320-48372-8		3/14/2019	Air	Stage 2B			X																		
44706	320483721	RISG-19-5.0-20190314	320-48372-9		3/14/2019	Air	Stage 4			X																		
44706	320483721	RISG-16-5.0-20190314	320-48372-10		3/14/2019	Air	Stage 2B			X																		
44706	320483721	RISG-7-5.0-20190314	320-48372-11		3/14/2019	Air	Stage 2B			X																		
44706	320483721	RISG-20-15.0-20190314	320-48372-12	FD7	3/14/2019	Air	Stage 2B			X																		
44706	320483721	RISG-2-5.0-20190314	320-48372-13		3/14/2019	Air	Stage 2B			X																		
44706	320483721	RISG-20-5.0-20190314	320-48372-14		3/14/2019	Air	Stage 2B			X																		
44706	320484121	RISG-3-15.0-20190315	320-48412-1		3/15/2019	Air	Stage 2B			X																		
44706	320484121	RISG-3-5.0-20190315	320-48412-2		3/15/2019	Air	Stage 2B			X																		
44706	320484121	RISG-27-5.0-20190315	320-48412-3		3/15/2019	Air	Stage 2B			X																		

Table I. Sample Cross-Reference

LDC	SDG	Client ID	Lab ID	QC Type	Sample Date	Matrix	Validation Level	Anions (E300.0)	NO ₂ /NO ₃ -N (Calc)	Anions (SW9056)	Chlorate (E300.1B)	Chlorite (E300.1B)	Perchlorate (E314.0)	Phosphorus (E365.3)	Alkalinity (SM2320B)	Conductivity (SM2510B)	TDS (SM2540C)	FeII & FeIII (SM3500)	NH3 (SM4500)	DOC (SM5310B)	Sulfide (SW9034)	pH (SW9040C)	VFA (VFA-IC)	Ra-226 (E903.0)	Ra-228 (E904.0)	Isotopic Thorium (SOP 714 R14)	Isotopic Thorium (A01R)	Isotopic Uranium (DOE U-0-RC)	
44706	320483131	RISG-32-5.0-20190313	320-48313-6		3/13/2019	Air	Stage 2B																						
44706	320483131	RISG-31-5.0-20190313	320-48313-7		3/13/2019	Air	Stage 2B																						
44706	320483131	RISG-32-15.0-20190313	320-48313-8		3/13/2019	Air	Stage 2B																						
44706	320483131	RISG-4-5.0-20190311	320-48313-9		3/11/2019	Air	Stage 2B																						
44706	320483131	RISG-4-15.0-20190311	320-48313-10		3/11/2019	Air	Stage 2B																						
44706	320483131	RISG-5-5.0-20190313	320-48313-11	FD5	3/13/2019	Air	Stage 2B																						
44706	320483131	RISG-5-5.0-20190313-FD	320-48313-12	FD5	3/13/2019	Air	Stage 2B																						
44706	320483721	RISG-9-5.0-20190314	320-48372-1	FD6	3/14/2019	Air	Stage 2B																						
44706	320483721	RISG-7-10.0-20190314	320-48372-2		3/14/2019	Air	Stage 4																						
44706	320483721	RISG-9-5.0-20190314-FD	320-48372-3	FD6	3/14/2019	Air	Stage 2B																						
44706	320483721	RISG-17-5.0-20190314	320-48372-4		3/14/2019	Air	Stage 4																						
44706	320483721	RISG-20-15.0-20190314-FD	320-48372-5	FD7	3/14/2019	Air	Stage 2B																						
44706	320483721	RISG-5-15.0-20190314	320-48372-6		3/14/2019	Air	Stage 2B																						
44706	320483721	RISG-18-5.0-20190314	320-48372-7		3/14/2019	Air	Stage 4																						
44706	320483721	RISG-2-15.0-20190314	320-48372-8		3/14/2019	Air	Stage 2B																						
44706	320483721	RISG-19-5.0-20190314	320-48372-9		3/14/2019	Air	Stage 4																						
44706	320483721	RISG-16-5.0-20190314	320-48372-10		3/14/2019	Air	Stage 2B																						
44706	320483721	RISG-7-5.0-20190314	320-48372-11		3/14/2019	Air	Stage 2B																						
44706	320483721	RISG-20-15.0-20190314	320-48372-12	FD7	3/14/2019	Air	Stage 2B																						
44706	320483721	RISG-2-5.0-20190314	320-48372-13		3/14/2019	Air	Stage 2B																						
44706	320483721	RISG-20-5.0-20190314	320-48372-14		3/14/2019	Air	Stage 2B																						
44706	320484121	RISG-3-15.0-20190315	320-48412-1		3/15/2019	Air	Stage 2B																						
44706	320484121	RISG-3-5.0-20190315	320-48412-2		3/15/2019	Air	Stage 2B																						
44706	320484121	RISG-27-5.0-20190315	320-48412-3		3/15/2019	Air	Stage 2B																						

Table I. Sample Cross-Reference

LDC	SDG	Client ID	Lab ID	QC Type	Sample Date	Matrix	Validation Level	VOC (SW8260B)	TCP & Dioxane (SW8260BSIM)	VOC (ETO15)	SVOC (SW8270C)	PAH (SW8270CSIM)	Chlorinated Pesticides (SW8081A)	PCB as Aroclors (SW8082)	GRO (SW8015B)	TPHE (SW8015B)	Organophosphorus Pesticides SW(8141A)	PCDD/PCDF & TEQ (SW8290)	PCB as Congeners (E1668A)	Metals (SW6010B)	Metals (SW6020A)	Mercury (SW7470A)	Mercury (SW7471A)	Metals (E200.7)	Metals (E200.8)	CrVI (E218.6)	CrVI (SW7199)
44706	320484121	RISG-30-10.0-20190315	320-48412-4		3/15/2019	Air	Stage 4			X																	
44706	320484121	RISG-30-5.0-20190315	320-48412-5		3/15/2019	Air	Stage 2B			X																	
44706	320484121	RISG-27-15.0-20190315	320-48412-6		3/15/2019	Air	Stage 2B			X																	
44706	320486421	RISG-8-5.0-20190321	320-48642-1		3/21/2019	Air	Stage 2B			X																	
44706	320486421	RISG-6-15.0-20190322	320-48642-2	FD8	3/22/2019	Air	Stage 2B			X																	
44706	320486421	RISG-6-15.0-20190322-FD	320-48642-3	FD8	3/22/2019	Air	Stage 4			X																	
44706	320486421	RISG-6-5.0-20190322	320-48642-4		3/22/2019	Air	Stage 2B			X																	
44706	320486421	RISG-13-5.0-20190322	320-48642-5		3/22/2019	Air	Stage 2B			X																	
44706	320486421	RISG-13-15.0-20190322	320-48642-6		3/22/2019	Air	Stage 2B			X																	
44706	320486421	RISG-22-5.0-20190322	320-48642-7		3/22/2019	Air	Stage 2B			X																	
44706	320486421	RISG-22-15.0-20190322	320-48642-8		3/22/2019	Air	Stage 4			X																	
41897	4402074651	PCDB-6-5.0-20180328	440-207465-2		3/28/2018	Soil	Stage 2B	X												X							
41897	4402074651	PCDB-6-10.0-20180328	440-207465-3		3/28/2018	Soil	Stage 2B	X												X							
41897	4402074651	PCDB-6-20.0-20180328	440-207465-4		3/28/2018	Soil	Stage 2B	X												X							
41897	4402074651	PCDB-6-30.0-20180328	440-207465-5		3/28/2018	Soil	Stage 2B	X												X							
41897	4402074651	PCDB-6-40.0-20180328	440-207465-6		3/28/2018	Soil	Stage 2B	X												X							
41897	4402074651	PCDB-6-50.0-20180328	440-207465-7		3/28/2018	Soil	Stage 2B	X												X							
41897	4402074651	PCDB-6-60.0-20180328	440-207465-8		3/28/2018	Soil	Stage 2B	X												X							
41897	4402074651	PCDB-6-70.0-20180328	440-207465-9	FD9	3/28/2018	Soil	Stage 2B	X												X							
41897	4402074651	PCDB-6-70.0-20180328-FD	440-207465-10	FD9	3/28/2018	Soil	Stage 2B	X												X							
41897	4402074651	PCDB-6-80.0-20180328	440-207465-11		3/28/2018	Soil	Stage 2B	X												X							
41897	4402074651	PCDB-6-90.0-20180328	440-207465-12		3/28/2018	Soil	Stage 2B	X												X							
41897	4402074651	PCDB-6-5.0-20180328-TB	440-207465-13	TB	3/28/2018	Water	Stage 2A	X																			
41897	4402075141	PC-170R-20180329-TB	440-207514-1	TB	3/29/2018	Water	Stage 2A	X	X																		

Table I. Sample Cross-Reference

LDC	SDG	Client ID	Lab ID	QC Type	Sample Date	Matrix	Validation Level	Anions (E300.0)	NO ₂ /NO ₃ -N (Calc)	Anions (SW9056)	Chlorate (E300.1B)	Chlorite (E300.1B)	Perchlorate (E314.0)	Phosphorus (E365.3)	Alkalinity (SM2320B)	Conductivity (SM2510B)	TDS (SM2540C)	FeII & FeIII (SM3500)	NH3 (SM4500)	DOC (SM5310B)	Sulfide (SW9034)	pH (SW9040C)	VFA (VFA-1C)	Ra-226 (E903.0)	Ra-228 (E904.0)	Isotopic Thorium (SOP 714 R14)	Isotopic Thorium (A01R)	Isotopic Uranium (DOE U-0-RC)	
44706	320484121	RISG-30-10.0-20190315	320-48412-4		3/15/2019	Air	Stage 4																						
44706	320484121	RISG-30-5.0-20190315	320-48412-5		3/15/2019	Air	Stage 2B																						
44706	320484121	RISG-27-15.0-20190315	320-48412-6		3/15/2019	Air	Stage 2B																						
44706	320486421	RISG-8-5.0-20190321	320-48642-1		3/21/2019	Air	Stage 2B																						
44706	320486421	RISG-6-15.0-20190322	320-48642-2	FD8	3/22/2019	Air	Stage 2B																						
44706	320486421	RISG-6-15.0-20190322-FD	320-48642-3	FD8	3/22/2019	Air	Stage 4																						
44706	320486421	RISG-6-5.0-20190322	320-48642-4		3/22/2019	Air	Stage 2B																						
44706	320486421	RISG-13-5.0-20190322	320-48642-5		3/22/2019	Air	Stage 2B																						
44706	320486421	RISG-13-15.0-20190322	320-48642-6		3/22/2019	Air	Stage 2B																						
44706	320486421	RISG-22-5.0-20190322	320-48642-7		3/22/2019	Air	Stage 2B																						
44706	320486421	RISG-22-15.0-20190322	320-48642-8		3/22/2019	Air	Stage 4																						
41897	4402074651	PCDB-6-5.0-20180328	440-207465-2		3/28/2018	Soil	Stage 2B	X	X		X		X																
41897	4402074651	PCDB-6-10.0-20180328	440-207465-3		3/28/2018	Soil	Stage 2B	X	X		X		X																
41897	4402074651	PCDB-6-20.0-20180328	440-207465-4		3/28/2018	Soil	Stage 2B	X	X		X		X																
41897	4402074651	PCDB-6-30.0-20180328	440-207465-5		3/28/2018	Soil	Stage 2B	X	X		X		X																
41897	4402074651	PCDB-6-40.0-20180328	440-207465-6		3/28/2018	Soil	Stage 2B	X	X		X		X																
41897	4402074651	PCDB-6-50.0-20180328	440-207465-7		3/28/2018	Soil	Stage 2B	X	X		X		X																
41897	4402074651	PCDB-6-60.0-20180328	440-207465-8		3/28/2018	Soil	Stage 2B	X	X		X		X																
41897	4402074651	PCDB-6-70.0-20180328	440-207465-9	FD9	3/28/2018	Soil	Stage 2B	X	X		X		X																
41897	4402074651	PCDB-6-70.0-20180328-FD	440-207465-10	FD9	3/28/2018	Soil	Stage 2B	X	X		X		X																
41897	4402074651	PCDB-6-80.0-20180328	440-207465-11		3/28/2018	Soil	Stage 2B	X	X		X		X																
41897	4402074651	PCDB-6-90.0-20180328	440-207465-12		3/28/2018	Soil	Stage 2B	X	X		X		X																
41897	4402074651	PCDB-6-5.0-20180328-TB	440-207465-13	TB	3/28/2018	Water	Stage 2A																						
41897	4402075141	PC-170R-20180329-TB	440-207514-1	TB	3/29/2018	Water	Stage 2A																						

Table I. Sample Cross-Reference

LDC	SDG	Client ID	Lab ID	QC Type	Sample Date	Matrix	Validation Level	VOC (SW8260B)	TCP & Dioxane (SW8260BSIM)	VOC (ETO15)	SVOC (SW8270C)	PAH (SW8270CSIM)	Chlorinated Pesticides (SW8081A)	PCB as Aroclors (SW8082)	GRO (SW8015B)	TPHE (SW8015B)	Organophosphorus Pesticides SW(8141A)	PCDD/PCDF & TEQ (SW8290)	PCB as Congeners (E1668A)	Metals (SW6010B)	Metals (SW6020A)	Mercury (SW7470A)	Mercury (SW7471A)	Metals (E200.7)	Metals (E200.8)	CrVI (E218.6)	CrVI (SW7199)	
41897	4402075141	PC-170R-20180329	440-207514-2		3/29/2018	Water	Stage 2A	X	X																	X		
41897	4402075141	PC-40R-20180329	440-207514-3		3/29/2018	Water	Stage 2A	X	X																		X	
41897	4402075141	PC-187R-20180329	440-207514-4		3/29/2018	Water	Stage 2A	X	X																		X	
41897	4402075141	MC-65R2-20180329	440-207514-5		3/29/2018	Water	Stage 2A	X	X																		X	
41897	4402075141	MC-MW-37R2-20180329	440-207514-6		3/29/2018	Water	Stage 2A	X	X																		X	
41897	4402075161	PC-170R-20180329	440-207516-1		3/29/2018	Water	Stage 2A																		X	X		
41897	4402075161	PC-40R-20180329	440-207516-2		3/29/2018	Water	Stage 2A																		X	X		
41897	4402075161	PC-187R-20180329	440-207516-3		3/29/2018	Water	Stage 2A																		X	X		
41897	4402075161	MC-65R2-20180329	440-207516-4		3/29/2018	Water	Stage 2A																		X	X		
41897	4402075161	MC-MW-37R2-20180329	440-207516-5		3/29/2018	Water	Stage 2A																		X	X		
42261	4402088641	M-224R-20180413	440-208864-1		4/13/2018	Water	Stage 2A	X	X					X							X				X	X	X	
42261	4402088642	M-224R-20180413	440-208864-1		4/13/2018	Water	Stage 2A											X										
42261	4402088641	M-225R-20180413	440-208864-2		4/13/2018	Water	Stage 2A	X	X					X							X				X	X	X	
42261	4402088642	M-225R-20180413	440-208864-2		4/13/2018	Water	Stage 2A											X										
42261	4402088641	M-227R-20180413	440-208864-3		4/13/2018	Water	Stage 2A	X	X					X							X				X	X	X	
42261	4402088642	M-227R-20180413	440-208864-3		4/13/2018	Water	Stage 2A											X										
42261	4402088641	M-228R-20180413	440-208864-4		4/13/2018	Water	Stage 2A	X	X					X							X				X	X	X	
42261	4402088642	M-228R-20180413	440-208864-4		4/13/2018	Water	Stage 2A											X										
42261	4402088641	M-224R-20180413-EB	440-208864-5	EB	4/13/2018	Water	Stage 2A	X	X																			
42261	4402088641	M-227R-20180413-TB	440-208864-6	TB	4/13/2018	Water	Stage 2A	X	X																			
42964	4402123251	PC-157A-20180529	440-212325-1		5/29/2018	Water	Stage 2A	X																	X	X	X	
42964	4402123251	PC-157B-20180529	440-212325-2		5/29/2018	Water	Stage 2A	X																	X	X	X	
42964	4402123251	PC-157A-20180529-TB	440-212325-3	TB	5/29/2018	Water	Stage 2A	X																				
42964	4402124221	PC-156A-20180530	440-212422-1		5/30/2018	Water	Stage 2A	X																	X		X	

Table I. Sample Cross-Reference

LDC	SDG	Client ID	Lab ID	QC Type	Sample Date	Matrix	Validation Level	Anions (E300.0)	NO ₂ /NO ₃ -N (Calc)	Anions (SW9056)	Chlorate (E300.1B)	Chlorite (E300.1B)	Perchlorate (E314.0)	Phosphorus (E365.3)	Alkalinity (SM2320B)	Conductivity (SM2510B)	TDS (SM2540C)	FeII & FeIII (SM3500)	NH3 (SM4500)	DOC (SM5310B)	Sulfide (SW9034)	pH (SW9040C)	VFA (VFA-IC)	Ra-226 (E903.0)	Ra-228 (E904.0)	Isotopic Thorium (SOP 714 R14)	Isotopic Thorium (A01R)	Isotopic Uranium (DOE U-0-RC)			
41897	4402075141	PC-170R-20180329	440-207514-2		3/29/2018	Water	Stage 2A																								
41897	4402075141	PC-40R-20180329	440-207514-3		3/29/2018	Water	Stage 2A																								
41897	4402075141	PC-187R-20180329	440-207514-4		3/29/2018	Water	Stage 2A																								
41897	4402075141	MC-65R2-20180329	440-207514-5		3/29/2018	Water	Stage 2A																								
41897	4402075141	MC-MW-37R2-20180329	440-207514-6		3/29/2018	Water	Stage 2A																								
41897	4402075161	PC-170R-20180329	440-207516-1		3/29/2018	Water	Stage 2A	X			X		X	X	X	X	X			X	X	X									
41897	4402075161	PC-40R-20180329	440-207516-2		3/29/2018	Water	Stage 2A	X			X		X	X	X	X	X			X	X	X									
41897	4402075161	PC-187R-20180329	440-207516-3		3/29/2018	Water	Stage 2A	X			X		X	X	X	X	X			X	X	X									
41897	4402075161	MC-65R2-20180329	440-207516-4		3/29/2018	Water	Stage 2A	X			X		X	X	X	X	X			X	X	X									
41897	4402075161	MC-MW-37R2-20180329	440-207516-5		3/29/2018	Water	Stage 2A	X			X		X	X	X	X	X			X	X	X									
42261	4402088641	M-224R-20180413	440-208864-1		4/13/2018	Water	Stage 2A	X	X		X		X	X	X	X	X			X	X	X									
42261	4402088642	M-224R-20180413	440-208864-1		4/13/2018	Water	Stage 2A																								
42261	4402088641	M-225R-20180413	440-208864-2		4/13/2018	Water	Stage 2A	X	X		X		X	X	X	X	X			X	X	X									
42261	4402088642	M-225R-20180413	440-208864-2		4/13/2018	Water	Stage 2A																								
42261	4402088641	M-227R-20180413	440-208864-3		4/13/2018	Water	Stage 2A	X	X		X		X	X	X	X	X			X	X	X									
42261	4402088642	M-227R-20180413	440-208864-3		4/13/2018	Water	Stage 2A																								
42261	4402088641	M-228R-20180413	440-208864-4		4/13/2018	Water	Stage 2A	X	X		X		X	X	X	X	X			X	X	X									
42261	4402088642	M-228R-20180413	440-208864-4		4/13/2018	Water	Stage 2A																								
42261	4402088641	M-224R-20180413-EB	440-208864-5	EB	4/13/2018	Water	Stage 2A																								
42261	4402088641	M-227R-20180413-TB	440-208864-6	TB	4/13/2018	Water	Stage 2A																								
42964	4402123251	PC-157A-20180529	440-212325-1		5/29/2018	Water	Stage 2A	X			X		X	X	X	X	X			X	X	X									
42964	4402123251	PC-157B-20180529	440-212325-2		5/29/2018	Water	Stage 2A	X			X		X	X	X	X	X			X	X	X									
42964	4402123251	PC-157A-20180529-TB	440-212325-3	TB	5/29/2018	Water	Stage 2A																								
42964	4402124221	PC-156A-20180530	440-212422-1		5/30/2018	Water	Stage 2A	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 (SW8260B)	TCP & Dioxane (SW8260BSIM)	VOC (ETO15)	SVOC (SW8270C)	PAH (SW8270CSIM)	Chlorinated Pesticides (SW8081A)	PCB as Aroclors (SW8082)	GRO (SW8015B)	TPHE (SW8015B)	Organophosphorus Pesticides SW (8141A)	PCDD/PCDF & TEQ (SW8290)	PCB as Congeners (E1668A)	Metals (SW6010B)	Metals (SW6020A)	Mercury (SW7470A)	Mercury (SW7471A)	Metals (E200.7)	Metals (E200.8)	CrVI (E218.6)	CrVI (SW7199)
42964	4402124221	PC-156B-20180530	440-212422-2	FD10	5/30/2018	Water	Stage 2A	X																X		X	
42964	4402124221	PC-156B-20180530-FD	440-212422-3	FD10	5/30/2018	Water	Stage 2A	X																X		X	
42964	4402124221	PC-155B-20180530	440-212422-4		5/30/2018	Water	Stage 2A	X																X		X	
42964	4402124221	PC-155A-20180530	440-212422-5		5/30/2018	Water	Stage 2A	X																X		X	
42964	4402124221	PC-156A-20180530-EB	440-212422-6	EB	5/30/2018	Water	Stage 2A	X																X		X	
43948	4402207711	RISB-ER-02-1.0-20180924	440-220771-1		9/24/2018	Soil	Stage 2B	X			X	X	X								X	X					X
43948	4402207711	RISB-ER-02-1.0-20180924	440-220771-1		9/24/2018	Soil	Stage 4								X	X											
43948	4402207712	RISB-ER-02-1.0-20180924	440-220771-1		9/24/2018	Soil	Stage 2B										X	X	X								
43948	4402207711	RISB-ER-02-10.0-20180924	440-220771-2		9/24/2018	Soil	Stage 2B	X			X	X	X								X	X					X
43948	4402207711	RISB-ER-02-10.0-20180924	440-220771-2		9/24/2018	Soil	Stage 4								X	X											
43948	4402207712	RISB-ER-02-10.0-20180924	440-220771-2		9/24/2018	Soil	Stage 2B										X	X	X								
43948	4402207711	RISB-EJ-02-1.0-20180924	440-220771-3		9/24/2018	Soil	Stage 2B	X			X	X	X								X	X					X
43948	4402207711	RISB-EJ-02-1.0-20180924	440-220771-3		9/24/2018	Soil	Stage 4								X	X											
43948	4402207712	RISB-EJ-02-1.0-20180924	440-220771-3		9/24/2018	Soil	Stage 2B										X	X	X								
43948	4402207711	RISB-EJ-02-10.0-20180924	440-220771-4		9/24/2018	Soil	Stage 2B	X			X	X	X								X	X					X
43948	4402207711	RISB-EJ-02-10.0-20180924	440-220771-4		9/24/2018	Soil	Stage 4								X	X											
43948	4402207712	RISB-EJ-02-10.0-20180924	440-220771-4		9/24/2018	Soil	Stage 2B										X	X	X								
43948	4402207711	RISB-ER-02-1.0-20180924-TB	440-220771-5	TB	9/24/2018	Water	Stage 2A	X																			
43948	4402208431	RISB-EJ-04-1.0-20180925-TB	440-220843-1	TB	9/25/2018	Soil	Stage 2B	X																			
43948	4402208431	RISB-ER-01-10.0-20180925	440-220843-10		9/25/2018	Soil	Stage 2B	X			X	X	X		X	X					X	X					X
43948	4402208432	RISB-ER-01-10.0-20180925	440-220843-10		9/25/2018	Soil	Stage 2B										X	X	X								
43948	4402208431	RISB-EJ-04-1.0-20180925	440-220843-2		9/25/2018	Soil	Stage 2B	X			X	X	X		X	X					X	X					X
43948	4402208432	RISB-EJ-04-1.0-20180925	440-220843-2		9/25/2018	Soil	Stage 2B										X	X	X								
43948	4402208431	RISB-EJ-04-10.0-20180925	440-220843-3		9/25/2018	Soil	Stage 2B	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	Anions (E300.0)	NO ₂ /NO ₃ -N (Calc)	Anions (SW9056)	Chlorate (E300.1B)	Chlorite (E300.1B)	Perchlorate (E314.0)	Phosphorus (E365.3)	Alkalinity (SM2320B)	Conductivity (SM2510B)	TDS (SM2540C)	FeII & FeIII (SM3500)	NH3 (SM4500)	DOC (SM5310B)	Sulfide (SW9034)	pH (SW9040C)	VFA (VFA-1C)	Ra-226 (E903.0)	Ra-228 (E904.0)	Isotopic Thorium (SOP 714 R14)	Isotopic Thorium (A01R)	Isotopic Uranium (DOE U-0-RC)
42964	4402124221	PC-156B-20180530	440-212422-2	FD10	5/30/2018	Water	Stage 2A	X	X		X		X		X	X	X	X		X	X	X						
42964	4402124221	PC-156B-20180530-FD	440-212422-3	FD10	5/30/2018	Water	Stage 2A	X	X		X		X		X	X	X	X		X	X	X						
42964	4402124221	PC-155B-20180530	440-212422-4		5/30/2018	Water	Stage 2A	X	X		X		X		X	X	X	X		X	X	X						
42964	4402124221	PC-155A-20180530	440-212422-5		5/30/2018	Water	Stage 2A	X	X		X		X		X	X	X	X		X	X	X						
42964	4402124221	PC-156A-20180530-EB	440-212422-6	EB	5/30/2018	Water	Stage 2A	X	X		X		X		X	X	X	X		X	X	X						
43948	4402207711	RISB-ER-02-1.0-20180924	440-220771-1		9/24/2018	Soil	Stage 2B			X	X	X	X						X									
43948	4402207711	RISB-ER-02-1.0-20180924	440-220771-1		9/24/2018	Soil	Stage 4																					
43948	4402207712	RISB-ER-02-1.0-20180924	440-220771-1		9/24/2018	Soil	Stage 2B																X	X	X			X
43948	4402207711	RISB-ER-02-10.0-20180924	440-220771-2		9/24/2018	Soil	Stage 2B			X	X	X	X						X									
43948	4402207711	RISB-ER-02-10.0-20180924	440-220771-2		9/24/2018	Soil	Stage 4																X	X	X			X
43948	4402207712	RISB-ER-02-10.0-20180924	440-220771-2		9/24/2018	Soil	Stage 2B																X	X	X			X
43948	4402207711	RISB-EJ-02-1.0-20180924	440-220771-3		9/24/2018	Soil	Stage 2B			X	X	X	X						X									
43948	4402207711	RISB-EJ-02-1.0-20180924	440-220771-3		9/24/2018	Soil	Stage 4																					
43948	4402207712	RISB-EJ-02-1.0-20180924	440-220771-3		9/24/2018	Soil	Stage 2B																X	X	X			X
43948	4402207711	RISB-EJ-02-10.0-20180924	440-220771-4		9/24/2018	Soil	Stage 2B			X	X	X	X						X									
43948	4402207711	RISB-EJ-02-10.0-20180924	440-220771-4		9/24/2018	Soil	Stage 4																					
43948	4402207712	RISB-EJ-02-10.0-20180924	440-220771-4		9/24/2018	Soil	Stage 2B																X	X	X			X
43948	4402207711	RISB-ER-02-1.0-20180924-TB	440-220771-5	TB	9/24/2018	Water	Stage 2A																					
43948	4402208431	RISB-EJ-04-1.0-20180925-TB	440-220843-1	TB	9/25/2018	Soil	Stage 2B																					
43948	4402208431	RISB-ER-01-10.0-20180925	440-220843-10		9/25/2018	Soil	Stage 2B			X	X	X	X						X									
43948	4402208432	RISB-ER-01-10.0-20180925	440-220843-10		9/25/2018	Soil	Stage 2B																X	X	X			X
43948	4402208431	RISB-EJ-04-1.0-20180925	440-220843-2		9/25/2018	Soil	Stage 2B			X	X	X	X						X									
43948	4402208432	RISB-EJ-04-1.0-20180925	440-220843-2		9/25/2018	Soil	Stage 2B																X	X	X			X
43948	4402208431	RISB-EJ-04-10.0-20180925	440-220843-3		9/25/2018	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 (SW8260B)	TCP & Dioxane (SW8260BSIM)	VOC (ETO15)	SVOC (SW8270C)	PAH (SW8270CSIM)	Chlorinated Pesticides (SW8081A)	PCB as Aroclors (SW8082)	GRO (SW8015B)	TPHE (SW8015B)	Organophosphorus Pesticides SW(8141A)	PCDD/PCDF & TEQ (SW8290)	PCB as Congeners (E1668A)	Metals (SW6010B)	Metals (SW6020A)	Mercury (SW7470A)	Mercury (SW7471A)	Metals (E200.7)	Metals (E200.8)	CrVI (E218.6)	CrVI (SW7199)
43948	4402208432	RISB-EJ-04-10.0-20180925	440-220843-3		9/25/2018	Soil	Stage 2B										X	X	X								
43948	4402208431	RISB-EJ-03-1.0-20180925	440-220843-4	FD1	9/25/2018	Soil	Stage 2B	X			X	X	X		X	X				X	X		X				X
43948	4402208432	RISB-EJ-03-1.0-20180925	440-220843-4	FD1	9/25/2018	Soil	Stage 2B										X	X	X								
43948	4402208431	RISB-EJ-03-1.0-20180925-FD	440-220843-5	FD1	9/25/2018	Soil	Stage 2B	X			X	X	X		X	X				X	X		X				X
43948	4402208432	RISB-EJ-03-1.0-20180925-FD	440-220843-5	FD1	9/25/2018	Soil	Stage 2B										X	X	X								
43948	4402208431	RISB-EJ-03-10.0-20180925	440-220843-6		9/25/2018	Soil	Stage 2B	X			X	X	X		X	X				X	X		X				X
43948	4402208432	RISB-EJ-03-10.0-20180925	440-220843-6		9/25/2018	Soil	Stage 2B										X	X	X								
43948	4402208431	RISB-ER-03-1.0-20180925	440-220843-7		9/25/2018	Soil	Stage 2B	X			X	X	X		X	X				X	X		X				X
43948	4402208432	RISB-ER-03-1.0-20180925	440-220843-7		9/25/2018	Soil	Stage 2B										X	X	X								
43948	4402208431	RISB-ER-03-10.0-20180925	440-220843-8		9/25/2018	Soil	Stage 2B	X			X	X	X		X	X				X	X		X				X
43948	4402208432	RISB-ER-03-10.0-20180925	440-220843-8		9/25/2018	Soil	Stage 2B										X	X	X								
43948	4402208431	RISB-ER-01-1.0-20180925	440-220843-9		9/25/2018	Soil	Stage 2B	X			X	X	X		X	X				X	X		X				X
43948	4402208432	RISB-ER-01-1.0-20180925	440-220843-9		9/25/2018	Soil	Stage 2B										X	X	X								
43948	4402209511	RISB-EJ-01-1.0-20180926-TB	440-220951-1	TB	9/26/2018	Soil	Stage 2B	X																			
43948	4402209511	RISB-EJ-01-1.0-20180926	440-220951-2		9/26/2018	Soil	Stage 2B	X			X	X	X		X	X				X			X				X
43948	4402209511	RISB-EJ-01-1.0-20180926	440-220951-2		9/26/2018	Soil	Stage 4										X		X		X						
43948	4402209512	RISB-EJ-01-1.0-20180926	440-220951-2		9/26/2018	Soil	Stage 2B											X									
43948	4402209511	RISB-EJ-01-10.0-20180926	440-220951-3		9/26/2018	Soil	Stage 2B	X			X	X	X		X	X				X			X				X
43948	4402209511	RISB-EJ-01-10.0-20180926	440-220951-3		9/26/2018	Soil	Stage 4										X		X		X						
43948	4402209512	RISB-EJ-01-10.0-20180926	440-220951-3		9/26/2018	Soil	Stage 2B											X									
43946	4402217471	RIDB-30-50.0-20181008-TB	440-221747-1	TB	10/8/2018	Soil	Stage 2B	X																			
43946	4402217471	RIDB-30-50.0-20181008	440-221747-2		10/8/2018	Soil	Stage 4	X													X						
43946	4402217471	RIDB-30-60.0-20181008	440-221747-3		10/8/2018	Soil	Stage 4	X													X						
43946	4402217471	RIDB-30-70.0-20181008	440-221747-4		10/8/2018	Soil	Stage 4	X													X						

Table I. Sample Cross-Reference

LDC	SDG	Client ID	Lab ID	QC Type	Sample Date	Matrix	Validation Level	Anions (E300.0)	NO ₂ /NO ₃ -N (Calc)	Anions (SW9056)	Chlorate (E300.1B)	Chlorite (E300.1B)	Perchlorate (E314.0)	Phosphorus (E365.3)	Alkalinity (SM2320B)	Conductivity (SM2510B)	TDS (SM2540C)	FeII & FeIII (SM3500)	NH3 (SM4500)	DOC (SM5310B)	Sulfide (SW9034)	pH (SW9040C)	VFA (VFA-IC)	Ra-226 (E903.0)	Ra-228 (E904.0)	Isotopic Thorium (SOP 714 R14)	Isotopic Thorium (A01R)	Isotopic Uranium (DOE U-0-RC)
43948	4402208432	RISB-EJ-04-10.0-20180925	440-220843-3		9/25/2018	Soil	Stage 2B																X	X	X			X
43948	4402208431	RISB-EJ-03-1.0-20180925	440-220843-4	FD1	9/25/2018	Soil	Stage 2B			X	X	X	X						X									
43948	4402208432	RISB-EJ-03-1.0-20180925	440-220843-4	FD1	9/25/2018	Soil	Stage 2B																X	X	X			X
43948	4402208431	RISB-EJ-03-1.0-20180925-FD	440-220843-5	FD1	9/25/2018	Soil	Stage 2B			X	X	X	X						X									
43948	4402208432	RISB-EJ-03-1.0-20180925-FD	440-220843-5	FD1	9/25/2018	Soil	Stage 2B																X	X	X			X
43948	4402208431	RISB-EJ-03-10.0-20180925	440-220843-6		9/25/2018	Soil	Stage 2B			X	X	X	X						X									
43948	4402208432	RISB-EJ-03-10.0-20180925	440-220843-6		9/25/2018	Soil	Stage 2B																X	X	X			X
43948	4402208431	RISB-ER-03-1.0-20180925	440-220843-7		9/25/2018	Soil	Stage 2B			X	X	X	X						X									
43948	4402208432	RISB-ER-03-1.0-20180925	440-220843-7		9/25/2018	Soil	Stage 2B																X	X	X			X
43948	4402208431	RISB-ER-03-10.0-20180925	440-220843-8		9/25/2018	Soil	Stage 2B			X	X	X	X						X									
43948	4402208432	RISB-ER-03-10.0-20180925	440-220843-8		9/25/2018	Soil	Stage 2B																X	X	X			X
43948	4402208431	RISB-ER-01-1.0-20180925	440-220843-9		9/25/2018	Soil	Stage 2B			X	X	X	X						X									
43948	4402208432	RISB-ER-01-1.0-20180925	440-220843-9		9/25/2018	Soil	Stage 2B																X	X	X			X
43948	4402209511	RISB-EJ-01-1.0-20180926-TB	440-220951-1	TB	9/26/2018	Soil	Stage 2B																					
43948	4402209511	RISB-EJ-01-1.0-20180926	440-220951-2		9/26/2018	Soil	Stage 2B			X	X		X						X									
43948	4402209511	RISB-EJ-01-1.0-20180926	440-220951-2		9/26/2018	Soil	Stage 4					X											X					X
43948	4402209512	RISB-EJ-01-1.0-20180926	440-220951-2		9/26/2018	Soil	Stage 2B																		X	X		
43948	4402209511	RISB-EJ-01-10.0-20180926	440-220951-3		9/26/2018	Soil	Stage 2B			X	X		X						X									
43948	4402209511	RISB-EJ-01-10.0-20180926	440-220951-3		9/26/2018	Soil	Stage 4					X											X					X
43948	4402209512	RISB-EJ-01-10.0-20180926	440-220951-3		9/26/2018	Soil	Stage 2B																	X	X			
43946	4402217471	RIDB-30-50.0-20181008-TB	440-221747-1	TB	10/8/2018	Soil	Stage 2B																					
43946	4402217471	RIDB-30-50.0-20181008	440-221747-2		10/8/2018	Soil	Stage 4			X	X		X															
43946	4402217471	RIDB-30-60.0-20181008	440-221747-3		10/8/2018	Soil	Stage 4			X	X		X															
43946	4402217471	RIDB-30-70.0-20181008	440-221747-4		10/8/2018	Soil	Stage 4			X	X		X															

Table I. Sample Cross-Reference

LDC	SDG	Client ID	Lab ID	QC Type	Sample Date	Matrix	Validation Level	VOC (SW8260B)	TCP & Dioxane (SW8260BSIM)	VOC (ETO15)	SVOC (SW8270C)	PAH (SW8270CSIM)	Chlorinated Pesticides (SW8081A)	PCB as Aroclors (SW8082)	GRO (SW8015B)	TPHE (SW8015B)	Organophosphorus Pesticides SW(8141A)	PCDD/PCDF & TEQ (SW8290)	PCB as Congeners (E1668A)	Metals (SW6010B)	Metals (SW6020A)	Mercury (SW7470A)	Mercury (SW7471A)	Metals (E200.7)	Metals (E200.8)	CrVI (E218.6)	CrVI (SW7199)
43946	4402217471	RIDB-30-80.0-20181008	440-221747-5		10/8/2018	Soil	Stage 4	X												X							
43946	4402217471	RIDB-30-90.0-20181008	440-221747-6		10/8/2018	Soil	Stage 4	X												X							
43946	4402217471	RIDB-30-100.0-20181008	440-221747-7		10/8/2018	Soil	Stage 4	X												X							
43946	4402217471	RIDB-30-110.0-20181008	440-221747-8		10/8/2018	Soil	Stage 4	X												X							
43946	4402217471	RIDB-30-120.0-20181008	440-221747-9		10/8/2018	Soil	Stage 4	X												X							
43946	4402218881	RIDB-30-130.0-20181009-TB	440-221888-1	TB	10/9/2018	Soil	Stage 2B	X																			
43946	4402218881	RIDB-30-130.0-20181009	440-221888-2	FD11	10/9/2018	Soil	Stage 2B	X												X							
43946	4402218881	RIDB-30-130.0-20181009-FD	440-221888-3	FD11	10/9/2018	Soil	Stage 2B	X												X							
43946	4402218881	RIDB-30-140.0-20181009	440-221888-4		10/9/2018	Soil	Stage 2B	X												X							
43946	4402218881	RIDB-30-150.0-20181009	440-221888-5		10/9/2018	Soil	Stage 2B	X												X							
43946	4402218881	RIDB-31-50.0-20181009	440-221888-6		10/9/2018	Soil	Stage 2B	X												X							
43946	4402218881	RIDB-31-60.0-20181009	440-221888-7		10/9/2018	Soil	Stage 2B	X												X							
43946	4402218881	RIDB-31-70.0-20181009	440-221888-8		10/9/2018	Soil	Stage 2B	X												X							
43946	4402218881	RIDB-31-80.0-20181009	440-221888-9		10/9/2018	Soil	Stage 2B	X												X							
43946	4402218881	RIDB-31-90.0-20181009	440-221888-10		10/9/2018	Soil	Stage 2B	X												X							
43946	4402218881	RIDB-31-100.0-20181009	440-221888-11		10/9/2018	Soil	Stage 2B	X												X							
43946	4402218881	RIDB-31-110.0-20181009	440-221888-12		10/9/2018	Soil	Stage 2B	X												X							
43946	4402218881	RIDB-31-120.0-20181009	440-221888-13		10/9/2018	Soil	Stage 2B	X												X							
43946	4402218881	RIDB-31-130.0-20181009	440-221888-14		10/9/2018	Soil	Stage 2B	X												X							
43946	4402219761	RIDB-31-140.0-20181010-TB	440-221976-1	TB	10/10/2018	Soil	Stage 2B	X																			
43946	4402219761	RIDB-31-140.0-20181010	440-221976-2	FD12	10/10/2018	Soil	Stage 2B	X												X							
43946	4402219761	RIDB-31-140.0-20181010-FD	440-221976-3	FD12	10/10/2018	Soil	Stage 2B	X												X							
43946	4402219761	RIDB-31-150.0-20181010	440-221976-4		10/10/2018	Soil	Stage 2B	X												X							
43946	4402219761	RIDB-32-50.0-20181010	440-221976-5		10/10/2018	Soil	Stage 2B	X												X							

Table I. Sample Cross-Reference

LDC	SDG	Client ID	Lab ID	QC Type	Sample Date	Matrix	Validation Level	Anions (E300.0)	NO ₂ /NO ₃ -N (Calc)	Anions (SW9056)	Chlorate (E300.1B)	Chlorite (E300.1B)	Perchlorate (E314.0)	Phosphorus (E365.3)	Alkalinity (SM2320B)	Conductivity (SM2510B)	TDS (SM2540C)	FeII & FeIII (SM3500)	NH3 (SM4500)	DOC (SM5310B)	Sulfide (SW9034)	pH (SW9040C)	VFA (VFA-IC)	Ra-226 (E903.0)	Ra-228 (E904.0)	Isotopic Thorium (SOP 714 R14)	Isotopic Thorium (A01R)	Isotopic Uranium (DOE U-0-RC)	
43946	4402217471	RIDB-30-80.0-20181008	440-221747-5		10/8/2018	Soil	Stage 4			X	X		X																
43946	4402217471	RIDB-30-90.0-20181008	440-221747-6		10/8/2018	Soil	Stage 4			X	X		X																
43946	4402217471	RIDB-30-100.0-20181008	440-221747-7		10/8/2018	Soil	Stage 4			X	X		X																
43946	4402217471	RIDB-30-110.0-20181008	440-221747-8		10/8/2018	Soil	Stage 4			X	X		X																
43946	4402217471	RIDB-30-120.0-20181008	440-221747-9		10/8/2018	Soil	Stage 4			X	X		X																
43946	4402218881	RIDB-30-130.0-20181009-TB	440-221888-1	TB	10/9/2018	Soil	Stage 2B																						
43946	4402218881	RIDB-30-130.0-20181009	440-221888-2	FD11	10/9/2018	Soil	Stage 2B			X	X		X																
43946	4402218881	RIDB-30-130.0-20181009-FD	440-221888-3	FD11	10/9/2018	Soil	Stage 2B			X	X		X																
43946	4402218881	RIDB-30-140.0-20181009	440-221888-4		10/9/2018	Soil	Stage 2B			X	X		X																
43946	4402218881	RIDB-30-150.0-20181009	440-221888-5		10/9/2018	Soil	Stage 2B			X	X		X																
43946	4402218881	RIDB-31-50.0-20181009	440-221888-6		10/9/2018	Soil	Stage 2B			X	X		X																
43946	4402218881	RIDB-31-60.0-20181009	440-221888-7		10/9/2018	Soil	Stage 2B			X	X		X																
43946	4402218881	RIDB-31-70.0-20181009	440-221888-8		10/9/2018	Soil	Stage 2B			X	X		X																
43946	4402218881	RIDB-31-80.0-20181009	440-221888-9		10/9/2018	Soil	Stage 2B			X	X		X																
43946	4402218881	RIDB-31-90.0-20181009	440-221888-10		10/9/2018	Soil	Stage 2B			X	X		X																
43946	4402218881	RIDB-31-100.0-20181009	440-221888-11		10/9/2018	Soil	Stage 2B			X	X		X																
43946	4402218881	RIDB-31-110.0-20181009	440-221888-12		10/9/2018	Soil	Stage 2B			X	X		X																
43946	4402218881	RIDB-31-120.0-20181009	440-221888-13		10/9/2018	Soil	Stage 2B			X	X		X																
43946	4402218881	RIDB-31-130.0-20181009	440-221888-14		10/9/2018	Soil	Stage 2B			X	X		X																
43946	4402219761	RIDB-31-140.0-20181010-TB	440-221976-1	TB	10/10/2018	Soil	Stage 2B																						
43946	4402219761	RIDB-31-140.0-20181010	440-221976-2	FD12	10/10/2018	Soil	Stage 2B			X	X		X																
43946	4402219761	RIDB-31-140.0-20181010-FD	440-221976-3	FD12	10/10/2018	Soil	Stage 2B			X	X		X																
43946	4402219761	RIDB-31-150.0-20181010	440-221976-4		10/10/2018	Soil	Stage 2B			X	X		X																
43946	4402219761	RIDB-32-50.0-20181010	440-221976-5		10/10/2018	Soil	Stage 2B			X	X		X																

Table I. Sample Cross-Reference

LDC	SDG	Client ID	Lab ID	QC Type	Sample Date	Matrix	Validation Level	VOC (SW8260B)	TCP & Dioxane (SW8260BSIM)	VOC (ETO15)	SVOC (SW8270C)	PAH (SW8270CSIM)	Chlorinated Pesticides (SW8081A)	PCB as Aroclors (SW8082)	GRO (SW8015B)	TPHE (SW8015B)	Organophosphorus Pesticides SW(8141A)	PCDD/PCDF & TEQ (SW8290)	PCB as Congeners (E1668A)	Metals (SW6010B)	Metals (SW6020A)	Mercury (SW7470A)	Mercury (SW7471A)	Metals (E200.7)	Metals (E200.8)	CrVI (E218.6)	CrVI (SW7199)
43946	4402219761	RIDB-32-60.0-20181010	440-221976-6		10/10/2018	Soil	Stage 2B	X												X							
43946	4402219761	RIDB-32-70.0-20181010	440-221976-7		10/10/2018	Soil	Stage 2B	X												X							
43946	4402219761	RIDB-32-80.0-20181010	440-221976-8	FD13	10/10/2018	Soil	Stage 2B	X												X							
43946	4402219761	RIDB-32-80.0-20181010-FD	440-221976-9	FD13	10/10/2018	Soil	Stage 2B	X												X							
43946	4402219761	RIDB-32-90.0-20181010	440-221976-10		10/10/2018	Soil	Stage 2B	X												X							
43946	4402219761	RIDB-32-100.0-20181010	440-221976-11		10/10/2018	Soil	Stage 2B	X												X							
43946	4402219761	RIDB-32-110.0-20181010	440-221976-12		10/10/2018	Soil	Stage 2B	X												X							
43946	4402219761	RIDB-32-120.0-20181010	440-221976-13		10/10/2018	Soil	Stage 2B	X												X							
43946	4402219761	RIDB-32-130.0-20181010	440-221976-14		10/10/2018	Soil	Stage 2B	X												X							
43946	4402219761	RIDB-32-140.0-20181010	440-221976-15		10/10/2018	Soil	Stage 2B	X												X							
43946	4402219761	RIDB-32-150.0-20181010	440-221976-16		10/10/2018	Soil	Stage 2B	X												X							
43946	4402220981	RIDB-33-50.0-20181011-TB	440-222098-1	TB	10/11/2018	Soil	Stage 2B	X																			
43946	4402220981	RIDB-33-50.0-20181011	440-222098-2		10/11/2018	Soil	Stage 2B	X												X							
43946	4402220981	RIDB-33-60.0-20181011	440-222098-3		10/11/2018	Soil	Stage 2B	X												X							
43946	4402220981	RIDB-33-70.0-20181011	440-222098-4		10/11/2018	Soil	Stage 2B	X												X							
43946	4402220981	RIDB-33-80.0-20181011	440-222098-5		10/11/2018	Soil	Stage 2B	X												X							
43946	4402220981	RIDB-33-90.0-20181011	440-222098-6		10/11/2018	Soil	Stage 2B	X												X							
43946	4402220981	RIDB-33-100.0-20181011	440-222098-7	FD14	10/11/2018	Soil	Stage 2B	X												X							
43946	4402220981	RIDB-33-100.0-20181011-FD	440-222098-8	FD14	10/11/2018	Soil	Stage 2B	X												X							
43946	4402220981	RIDB-33-110.0-20181011	440-222098-9		10/11/2018	Soil	Stage 2B	X												X							
43946	4402220981	RIDB-33-120.0-20181011	440-222098-10		10/11/2018	Soil	Stage 2B	X												X							
43946	4402220981	RIDB-33-130.0-20181011	440-222098-11		10/11/2018	Soil	Stage 2B	X												X							
43946	4402220981	RIDB-33-140.0-20181011	440-222098-12		10/11/2018	Soil	Stage 2B	X												X							
43946	4402220981	RIDB-33-150.0-20181011	440-222098-13		10/11/2018	Soil	Stage 2B	X												X							

Table I. Sample Cross-Reference

LDC	SDG	Client ID	Lab ID	QC Type	Sample Date	Matrix	Validation Level	Anions (E300.0)	NO ₂ /NO ₃ -N (Calc)	Anions (SW9056)	Chlorate (E300.1B)	Chlorite (E300.1B)	Perchlorate (E314.0)	Phosphorus (E365.3)	Alkalinity (SM2320B)	Conductivity (SM2510B)	TDS (SM2540C)	FeII & FeIII (SM3500)	NH3 (SM4500)	DOC (SM5310B)	Sulfide (SW9034)	pH (SW9040C)	VFA (VFA-1C)	Ra-226 (E903.0)	Ra-228 (E904.0)	Isotopic Thorium (SOP 714 R14)	Isotopic Thorium (A01R)	Isotopic Uranium (DOE U-0-RC)
43946	4402219761	RIDB-32-60.0-20181010	440-221976-6		10/10/2018	Soil	Stage 2B			X	X		X															
43946	4402219761	RIDB-32-70.0-20181010	440-221976-7		10/10/2018	Soil	Stage 2B			X	X		X															
43946	4402219761	RIDB-32-80.0-20181010	440-221976-8	FD13	10/10/2018	Soil	Stage 2B			X	X		X															
43946	4402219761	RIDB-32-80.0-20181010-FD	440-221976-9	FD13	10/10/2018	Soil	Stage 2B			X	X		X															
43946	4402219761	RIDB-32-90.0-20181010	440-221976-10		10/10/2018	Soil	Stage 2B			X	X		X															
43946	4402219761	RIDB-32-100.0-20181010	440-221976-11		10/10/2018	Soil	Stage 2B			X	X		X															
43946	4402219761	RIDB-32-110.0-20181010	440-221976-12		10/10/2018	Soil	Stage 2B			X	X		X															
43946	4402219761	RIDB-32-120.0-20181010	440-221976-13		10/10/2018	Soil	Stage 2B			X	X		X															
43946	4402219761	RIDB-32-130.0-20181010	440-221976-14		10/10/2018	Soil	Stage 2B			X	X		X															
43946	4402219761	RIDB-32-140.0-20181010	440-221976-15		10/10/2018	Soil	Stage 2B			X	X		X															
43946	4402219761	RIDB-32-150.0-20181010	440-221976-16		10/10/2018	Soil	Stage 2B			X	X		X															
43946	4402220981	RIDB-33-50.0-20181011-TB	440-222098-1	TB	10/11/2018	Soil	Stage 2B																					
43946	4402220981	RIDB-33-50.0-20181011	440-222098-2		10/11/2018	Soil	Stage 2B			X	X		X															
43946	4402220981	RIDB-33-60.0-20181011	440-222098-3		10/11/2018	Soil	Stage 2B			X	X		X															
43946	4402220981	RIDB-33-70.0-20181011	440-222098-4		10/11/2018	Soil	Stage 2B			X	X		X															
43946	4402220981	RIDB-33-80.0-20181011	440-222098-5		10/11/2018	Soil	Stage 2B			X	X		X															
43946	4402220981	RIDB-33-90.0-20181011	440-222098-6		10/11/2018	Soil	Stage 2B			X	X		X															
43946	4402220981	RIDB-33-100.0-20181011	440-222098-7	FD14	10/11/2018	Soil	Stage 2B			X	X		X															
43946	4402220981	RIDB-33-100.0-20181011-FD	440-222098-8	FD14	10/11/2018	Soil	Stage 2B			X	X		X															
43946	4402220981	RIDB-33-110.0-20181011	440-222098-9		10/11/2018	Soil	Stage 2B			X	X		X															
43946	4402220981	RIDB-33-120.0-20181011	440-222098-10		10/11/2018	Soil	Stage 2B			X	X		X															
43946	4402220981	RIDB-33-130.0-20181011	440-222098-11		10/11/2018	Soil	Stage 2B			X	X		X															
43946	4402220981	RIDB-33-140.0-20181011	440-222098-12		10/11/2018	Soil	Stage 2B			X	X		X															
43946	4402220981	RIDB-33-150.0-20181011	440-222098-13		10/11/2018	Soil	Stage 2B			X	X		X															

Table I. Sample Cross-Reference

LDC	SDG	Client ID	Lab ID	QC Type	Sample Date	Matrix	Validation Level	VOC (SW8260B)	TCP & Dioxane (SW8260BSIM)	VOC (ETO15)	SVOC (SW8270C)	PAH (SW8270CSIM)	Chlorinated Pesticides (SW8081A)	PCB as Aroclors (SW8082)	GRO (SW8015B)	TPHE (SW8015B)	Organophosphorus Pesticides SW(8141A)	PCDD/PCDF & TEQ (SW8290)	PCB as Congeners (E1668A)	Metals (SW6010B)	Metals (SW6020A)	Mercury (SW7470A)	Mercury (SW7471A)	Metals (E200.7)	Metals (E200.8)	CrVI (E218.6)	CrVI (SW7199)
43945	4402244261	PC-172D-20181114	440-224426-1		11/14/2018	Water	Stage 2A	X	X															X	X	X	
43945	4402244261	PC-168-20181114	440-224426-2		11/14/2018	Water	Stage 2A	X	X															X	X	X	
43945	4402244261	PC-176-20181114	440-224426-3		11/14/2018	Water	Stage 2A	X	X															X	X	X	
43945	4402244261	TB-20181114	440-224426-4	TB	11/14/2018	Water	Stage 2A	X																			
43945	4402245421	PC-155A-20181115	440-224542-1	FD15	11/15/2018	Water	Stage 2A	X	X															X	X	X	
43945	4402245421	PC-155A-20181115-FD	440-224542-2	FD15	11/15/2018	Water	Stage 2A	X	X															X	X	X	
43945	4402245421	PC-157A-20181115	440-224542-3		11/15/2018	Water	Stage 2A	X	X															X	X	X	
43945	4402245421	PC-157B-20181115	440-224542-4		11/15/2018	Water	Stage 2A	X	X															X	X	X	
43945	4402245421	PC-155B-20181115	440-224542-5		11/15/2018	Water	Stage 2A	X	X															X	X	X	
43945	4402245421	TB-20181115	440-224542-6	TB	11/15/2018	Water	Stage 2A	X	X																		
43945	4402246531	PC-156B-20181116	440-224653-1		11/16/2018	Water	Stage 2A	X	X															X	X	X	
43945	4402246531	PC-156A-20181116	440-224653-2		11/16/2018	Water	Stage 2A	X	X															X	X	X	
43945	4402246531	EB-20181116	440-224653-3	EB	11/16/2018	Water	Stage 2A	X	X															X	X	X	
43945	4402246531	TB-20181116	440-224653-4	TB	11/16/2018	Water	Stage 2A	X	X																		
44357	4402275491	RIDB-35-20181212-TB	440-227549-1	TB	12/12/2018	Soil	Stage 2B	X																			
44357	4402275491	RIDB-35-1-20181212	440-227549-2		12/12/2018	Soil	Stage 4	X			X	X	X	X						X			X				X
44357	4402275492	RIDB-35-1-20181212	440-227549-2		12/12/2018	Soil	Stage 2B																				
44357	4402275493	RIDB-35-1-20181212	440-227549-2		12/12/2018	Soil	Stage 4														X						
44357	4402275494	RIDB-35-1-20181212	440-227549-2		12/12/2018	Soil	Stage 4											X									
44357	4402275491	RIDB-35-5-20181212	440-227549-3		12/12/2018	Soil	Stage 4	X			X	X	X	X						X			X				X
44357	4402275492	RIDB-35-5-20181212	440-227549-3		12/12/2018	Soil	Stage 2B																				
44357	4402275493	RIDB-35-5-20181212	440-227549-3		12/12/2018	Soil	Stage 4														X						
44357	4402275494	RIDB-35-5-20181212	440-227549-3		12/12/2018	Soil	Stage 4											X									
44357	4402275491	RIDB-35-10-20181212	440-227549-4		12/12/2018	Soil	Stage 4	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	Anions (E300.0)	NO ₂ /NO ₃ -N (Calc)	Anions (SW9056)	Chlorate (E300.1B)	Chlorite (E300.1B)	Perchlorate (E314.0)	Phosphorus (E365.3)	Alkalinity (SM2320B)	Conductivity (SM2510B)	TDS (SM2540C)	FeII & FeIII (SM3500)	NH3 (SM4500)	DOC (SM5310B)	Sulfide (SW9034)	pH (SW9040C)	VFA (VFA-1C)	Ra-226 (E903.0)	Ra-228 (E904.0)	Isotopic Thorium (SOP 714 R14)	Isotopic Thorium (A01R)	Isotopic Uranium (DOE U-0-RC)
43945	4402244261	PC-172D-20181114	440-224426-1		11/14/2018	Water	Stage 2A	X	X		X		X		X	X	X			X	X	X						
43945	4402244261	PC-168-20181114	440-224426-2		11/14/2018	Water	Stage 2A	X	X		X		X		X	X	X			X	X	X						
43945	4402244261	PC-176-20181114	440-224426-3		11/14/2018	Water	Stage 2A	X	X		X		X		X	X	X			X	X	X						
43945	4402244261	TB-20181114	440-224426-4	TB	11/14/2018	Water	Stage 2A																					
43945	4402245421	PC-155A-20181115	440-224542-1	FD15	11/15/2018	Water	Stage 2A	X			X		X	X	X	X	X			X	X	X						
43945	4402245421	PC-155A-20181115-FD	440-224542-2	FD15	11/15/2018	Water	Stage 2A	X			X		X	X	X	X	X			X	X	X						
43945	4402245421	PC-157A-20181115	440-224542-3		11/15/2018	Water	Stage 2A	X			X		X	X	X	X	X			X	X	X						
43945	4402245421	PC-157B-20181115	440-224542-4		11/15/2018	Water	Stage 2A	X			X		X	X	X	X	X			X	X	X						
43945	4402245421	PC-155B-20181115	440-224542-5		11/15/2018	Water	Stage 2A	X			X		X	X	X	X	X			X	X	X						
43945	4402245421	TB-20181115	440-224542-6	TB	11/15/2018	Water	Stage 2A																					
43945	4402246531	PC-156B-20181116	440-224653-1		11/16/2018	Water	Stage 2A	X	X		X		X	X	X	X	X			X	X	X						
43945	4402246531	PC-156A-20181116	440-224653-2		11/16/2018	Water	Stage 2A	X	X		X		X	X	X	X	X			X	X	X						
43945	4402246531	EB-20181116	440-224653-3	EB	11/16/2018	Water	Stage 2A	X	X		X		X	X	X	X	X			X	X	X						
43945	4402246531	TB-20181116	440-224653-4	TB	11/16/2018	Water	Stage 2A																					
44357	4402275491	RIDB-35-20181212-TB	440-227549-1	TB	12/12/2018	Soil	Stage 2B																					
44357	4402275491	RIDB-35-1-20181212	440-227549-2		12/12/2018	Soil	Stage 4		X	X	X																	
44357	4402275492	RIDB-35-1-20181212	440-227549-2		12/12/2018	Soil	Stage 2B						X															
44357	4402275493	RIDB-35-1-20181212	440-227549-2		12/12/2018	Soil	Stage 4																	X	X		X	
44357	4402275494	RIDB-35-1-20181212	440-227549-2		12/12/2018	Soil	Stage 4																					
44357	4402275491	RIDB-35-5-20181212	440-227549-3		12/12/2018	Soil	Stage 4		X	X	X																	
44357	4402275492	RIDB-35-5-20181212	440-227549-3		12/12/2018	Soil	Stage 2B						X															
44357	4402275493	RIDB-35-5-20181212	440-227549-3		12/12/2018	Soil	Stage 4																	X	X		X	
44357	4402275494	RIDB-35-5-20181212	440-227549-3		12/12/2018	Soil	Stage 4																					
44357	4402275491	RIDB-35-10-20181212	440-227549-4		12/12/2018	Soil	Stage 4		X	X	X																	

Table I. Sample Cross-Reference

LDC	SDG	Client ID	Lab ID	QC Type	Sample Date	Matrix	Validation Level	VOC (SW8260B)	TCP & Dioxane (SW8260BSIM)	VOC (ETO15)	SVOC (SW8270C)	PAH (SW8270CSIM)	Chlorinated Pesticides (SW8081A)	PCB as Aroclors (SW8082)	GRO (SW8015B)	TPHE (SW8015B)	Organophosphorus Pesticides SW(8141A)	PCDD/PCDF & TEQ (SW8290)	PCB as Congeners (E1668A)	Metals (SW6010B)	Metals (SW6020A)	Mercury (SW7470A)	Mercury (SW7471A)	Metals (E200.7)	Metals (E200.8)	CrVI (E218.6)	CrVI (SW7199)
44357	4402275492	RIDB-35-10-20181212	440-227549-4		12/12/2018	Soil	Stage 2B																				
44357	4402275493	RIDB-35-10-20181212	440-227549-4		12/12/2018	Soil	Stage 4														X						
44357	4402275494	RIDB-35-10-20181212	440-227549-4		12/12/2018	Soil	Stage 4										X										
44357	4402275491	RIDB-35-20-20181212	440-227549-5		12/12/2018	Soil	Stage 4	X			X	X	X	X						X			X				X
44357	4402275492	RIDB-35-20-20181212	440-227549-5		12/12/2018	Soil	Stage 2B																				
44357	4402275493	RIDB-35-20-20181212	440-227549-5		12/12/2018	Soil	Stage 4														X						
44357	4402275494	RIDB-35-20-20181212	440-227549-5		12/12/2018	Soil	Stage 4										X										
44357	4402275491	RIDB-35-30-20181212	440-227549-6		12/12/2018	Soil	Stage 4	X			X	X	X	X						X			X				X
44357	4402275492	RIDB-35-30-20181212	440-227549-6		12/12/2018	Soil	Stage 2B																				
44357	4402275493	RIDB-35-30-20181212	440-227549-6		12/12/2018	Soil	Stage 4														X						
44357	4402275494	RIDB-35-30-20181212	440-227549-6		12/12/2018	Soil	Stage 4										X										
44357	4402275491	RIDB-35-40-20181212	440-227549-7		12/12/2018	Soil	Stage 4	X												X							
44357	4402275492	RIDB-35-40-20181212	440-227549-7		12/12/2018	Soil	Stage 2B																				
44357	4402275491	RIDB-35-50-20181212	440-227549-8		12/12/2018	Soil	Stage 4	X												X							
44357	4402275492	RIDB-35-50-20181212	440-227549-8		12/12/2018	Soil	Stage 2B																				
44357	4402275491	RIDB-35-60-20181212	440-227549-9		12/12/2018	Soil	Stage 4	X												X							
44357	4402275492	RIDB-35-60-20181212	440-227549-9		12/12/2018	Soil	Stage 2B																				
44357	4402275491	RIDB-35-70-20181212	440-227549-10		12/12/2018	Soil	Stage 4	X												X							
44357	4402275492	RIDB-35-70-20181212	440-227549-10		12/12/2018	Soil	Stage 2B																				
44357	4402275491	RIDB-35-80-20181212	440-227549-11		12/12/2018	Soil	Stage 4	X												X							
44357	4402275492	RIDB-35-80-20181212	440-227549-11		12/12/2018	Soil	Stage 2B																				
44357	4402275491	RIDB-35-90-20181212	440-227549-12		12/12/2018	Soil	Stage 4	X												X							
44357	4402275492	RIDB-35-90-20181212	440-227549-12		12/12/2018	Soil	Stage 2B																				
44357	4402275491	RIDB-35-100-20181212	440-227549-13	FD16	12/12/2018	Soil	Stage 4	X												X							

Table I. Sample Cross-Reference

LDC	SDG	Client ID	Lab ID	QC Type	Sample Date	Matrix	Validation Level	Anions (E300.0)	NO ₂ /NO ₃ -N (Calc)	Anions (SW9056)	Chlorate (E300.1B)	Chlorite (E300.1B)	Perchlorate (E314.0)	Phosphorus (E365.3)	Alkalinity (SM2320B)	Conductivity (SM2510B)	TDS (SM2540C)	FeII & FeIII (SM3500)	NH3 (SM4500)	DOC (SM5310B)	Sulfide (SW9034)	pH (SW9040C)	VFA (VFA-IC)	Ra-226 (E903.0)	Ra-228 (E904.0)	Isotopic Thorium (SOP 714 R14)	Isotopic Thorium (A01R)	Isotopic Uranium (DOE U-0-RC)	
44357	4402275492	RIDB-35-10-20181212	440-227549-4		12/12/2018	Soil	Stage 2B						X																
44357	4402275493	RIDB-35-10-20181212	440-227549-4		12/12/2018	Soil	Stage 4																	X	X		X		
44357	4402275494	RIDB-35-10-20181212	440-227549-4		12/12/2018	Soil	Stage 4																						
44357	4402275491	RIDB-35-20-20181212	440-227549-5		12/12/2018	Soil	Stage 4		X	X	X																		
44357	4402275492	RIDB-35-20-20181212	440-227549-5		12/12/2018	Soil	Stage 2B						X																
44357	4402275493	RIDB-35-20-20181212	440-227549-5		12/12/2018	Soil	Stage 4																	X	X		X		
44357	4402275494	RIDB-35-20-20181212	440-227549-5		12/12/2018	Soil	Stage 4																						
44357	4402275491	RIDB-35-30-20181212	440-227549-6		12/12/2018	Soil	Stage 4		X	X	X																		
44357	4402275492	RIDB-35-30-20181212	440-227549-6		12/12/2018	Soil	Stage 2B						X																
44357	4402275493	RIDB-35-30-20181212	440-227549-6		12/12/2018	Soil	Stage 4																	X	X		X		
44357	4402275494	RIDB-35-30-20181212	440-227549-6		12/12/2018	Soil	Stage 4																						
44357	4402275491	RIDB-35-40-20181212	440-227549-7		12/12/2018	Soil	Stage 4		X	X	X																		
44357	4402275492	RIDB-35-40-20181212	440-227549-7		12/12/2018	Soil	Stage 2B						X																
44357	4402275491	RIDB-35-50-20181212	440-227549-8		12/12/2018	Soil	Stage 4		X	X	X																		
44357	4402275492	RIDB-35-50-20181212	440-227549-8		12/12/2018	Soil	Stage 2B						X																
44357	4402275491	RIDB-35-60-20181212	440-227549-9		12/12/2018	Soil	Stage 4		X	X	X																		
44357	4402275492	RIDB-35-60-20181212	440-227549-9		12/12/2018	Soil	Stage 2B						X																
44357	4402275491	RIDB-35-70-20181212	440-227549-10		12/12/2018	Soil	Stage 4		X	X	X																		
44357	4402275492	RIDB-35-70-20181212	440-227549-10		12/12/2018	Soil	Stage 2B						X																
44357	4402275491	RIDB-35-80-20181212	440-227549-11		12/12/2018	Soil	Stage 4		X	X	X																		
44357	4402275492	RIDB-35-80-20181212	440-227549-11		12/12/2018	Soil	Stage 2B						X																
44357	4402275491	RIDB-35-90-20181212	440-227549-12		12/12/2018	Soil	Stage 4		X	X	X																		
44357	4402275492	RIDB-35-90-20181212	440-227549-12		12/12/2018	Soil	Stage 2B						X																
44357	4402275491	RIDB-35-100-20181212	440-227549-13	FD16	12/12/2018	Soil	Stage 4		X	X	X																		

Table I. Sample Cross-Reference

LDC	SDG	Client ID	Lab ID	QC Type	Sample Date	Matrix	Validation Level	VOC (SW8260B)	TCP & Dioxane (SW8260BSIM)	VOC (ETO15)	SVOC (SW8270C)	PAH (SW8270CSIM)	Chlorinated Pesticides (SW8081A)	PCB as Aroclors (SW8082)	GRO (SW8015B)	TPHE (SW8015B)	Organophosphorus Pesticides SW(8141A)	PCDD/PCDF & TEQ (SW8290)	PCB as Congeners (E1668A)	Metals (SW6010B)	Metals (SW6020A)	Mercury (SW7470A)	Mercury (SW7471A)	Metals (E200.7)	Metals (E200.8)	CrVI (E218.6)	CrVI (SW7199)
44357	4402275492	RIDB-35-100-20181212	440-227549-13	FD16	12/12/2018	Soil	Stage 2B																				
44357	4402275491	RIDB-35-100-20181212-FD	440-227549-14	FD16	12/12/2018	Soil	Stage 4	X												X							
44357	4402275492	RIDB-35-100-20181212-FD	440-227549-14	FD16	12/12/2018	Soil	Stage 2B																				
44357	4402275491	RIDB-35-110-20181212	440-227549-15		12/12/2018	Soil	Stage 4	X												X							
44357	4402275492	RIDB-35-110-20181212	440-227549-15		12/12/2018	Soil	Stage 2B																				
44357	4402275491	RIDB-35-120-20181212	440-227549-16		12/12/2018	Soil	Stage 4	X												X							
44357	4402275492	RIDB-35-120-20181212	440-227549-16		12/12/2018	Soil	Stage 2B																				
44357	4402275491	RIDB-35-130-20181212	440-227549-17		12/12/2018	Soil	Stage 4	X												X							
44357	4402275492	RIDB-35-130-20181212	440-227549-17		12/12/2018	Soil	Stage 2B																				
44357	4402275491	RIDB-35-140-20181212	440-227549-18		12/12/2018	Soil	Stage 4	X												X							
44357	4402275492	RIDB-35-140-20181212	440-227549-18		12/12/2018	Soil	Stage 2B																				
44357	4402275491	RIDB-35-150-20181212	440-227549-19		12/12/2018	Soil	Stage 4	X												X							
44357	4402275492	RIDB-35-150-20181212	440-227549-19		12/12/2018	Soil	Stage 2B																				
44357	4402275491	RIDB-34-1-20181212	440-227549-20		12/12/2018	Soil	Stage 4	X			X	X	X	X						X			X				X
44357	4402275492	RIDB-34-1-20181212	440-227549-20		12/12/2018	Soil	Stage 2B																				
44357	4402275493	RIDB-34-1-20181212	440-227549-20		12/12/2018	Soil	Stage 4														X						
44357	4402275494	RIDB-34-1-20181212	440-227549-20		12/12/2018	Soil	Stage 4											X									
44357	4402275491	RIDB-34-5-20181212	440-227549-21		12/12/2018	Soil	Stage 4	X			X	X	X	X						X			X				X
44357	4402275492	RIDB-34-5-20181212	440-227549-21		12/12/2018	Soil	Stage 2B																				
44357	4402275493	RIDB-34-5-20181212	440-227549-21		12/12/2018	Soil	Stage 4														X						
44357	4402275494	RIDB-34-5-20181212	440-227549-21		12/12/2018	Soil	Stage 4											X									
44357	4402276791	RIDB-34-20181213-TB	440-227679-1	TB	12/13/2018	Soil	Stage 2B	X																			
44357	4402276791	RIDB-34-10-20181213	440-227679-2		12/13/2018	Soil	Stage 2B	X			X	X	X	X						X			X				X
44357	4402276792	RIDB-34-10-20181213	440-227679-2		12/13/2018	Soil	Stage 2B																				

Table I. Sample Cross-Reference

LDC	SDG	Client ID	Lab ID	QC Type	Sample Date	Matrix	Validation Level	Anions (E300.0)	NO ₂ /NO ₃ -N (Calc)	Anions (SW9056)	Chlorate (E300.1B)	Chlorite (E300.1B)	Perchlorate (E314.0)	Phosphorus (E365.3)	Alkalinity (SM2320B)	Conductivity (SM2510B)	TDS (SM2540C)	FeII & FeIII (SM3500)	NH3 (SM4500)	DOC (SM5310B)	Sulfide (SW9034)	pH (SW9040C)	VFA (VFA-IC)	Ra-226 (E903.0)	Ra-228 (E904.0)	Isotopic Thorium (SOP 714 R14)	Isotopic Thorium (A01R)	Isotopic Uranium (DOE U-0-RC)
44357	4402275492	RIDB-35-100-20181212	440-227549-13	FD16	12/12/2018	Soil	Stage 2B						X															
44357	4402275491	RIDB-35-100-20181212-FD	440-227549-14	FD16	12/12/2018	Soil	Stage 4		X	X	X																	
44357	4402275492	RIDB-35-100-20181212-FD	440-227549-14	FD16	12/12/2018	Soil	Stage 2B						X															
44357	4402275491	RIDB-35-110-20181212	440-227549-15		12/12/2018	Soil	Stage 4		X	X	X																	
44357	4402275492	RIDB-35-110-20181212	440-227549-15		12/12/2018	Soil	Stage 2B						X															
44357	4402275491	RIDB-35-120-20181212	440-227549-16		12/12/2018	Soil	Stage 4		X	X	X																	
44357	4402275492	RIDB-35-120-20181212	440-227549-16		12/12/2018	Soil	Stage 2B						X															
44357	4402275491	RIDB-35-130-20181212	440-227549-17		12/12/2018	Soil	Stage 4		X	X	X																	
44357	4402275492	RIDB-35-130-20181212	440-227549-17		12/12/2018	Soil	Stage 2B						X															
44357	4402275491	RIDB-35-140-20181212	440-227549-18		12/12/2018	Soil	Stage 4		X	X	X																	
44357	4402275492	RIDB-35-140-20181212	440-227549-18		12/12/2018	Soil	Stage 2B						X															
44357	4402275491	RIDB-35-150-20181212	440-227549-19		12/12/2018	Soil	Stage 4		X	X	X																	
44357	4402275492	RIDB-35-150-20181212	440-227549-19		12/12/2018	Soil	Stage 2B						X															
44357	4402275491	RIDB-34-1-20181212	440-227549-20		12/12/2018	Soil	Stage 4		X	X	X																	
44357	4402275492	RIDB-34-1-20181212	440-227549-20		12/12/2018	Soil	Stage 2B						X															
44357	4402275493	RIDB-34-1-20181212	440-227549-20		12/12/2018	Soil	Stage 4																	X	X		X	
44357	4402275494	RIDB-34-1-20181212	440-227549-20		12/12/2018	Soil	Stage 4																					
44357	4402275491	RIDB-34-5-20181212	440-227549-21		12/12/2018	Soil	Stage 4		X	X	X																	
44357	4402275492	RIDB-34-5-20181212	440-227549-21		12/12/2018	Soil	Stage 2B						X															
44357	4402275493	RIDB-34-5-20181212	440-227549-21		12/12/2018	Soil	Stage 4																	X	X		X	
44357	4402275494	RIDB-34-5-20181212	440-227549-21		12/12/2018	Soil	Stage 4																					
44357	4402276791	RIDB-34-20181213-TB	440-227679-1	TB	12/13/2018	Soil	Stage 2B																					
44357	4402276791	RIDB-34-10-20181213	440-227679-2		12/13/2018	Soil	Stage 2B	X	X		X																	
44357	4402276792	RIDB-34-10-20181213	440-227679-2		12/13/2018	Soil	Stage 2B						X															

Table I. Sample Cross-Reference

LDC	SDG	Client ID	Lab ID	QC Type	Sample Date	Matrix	Validation Level	VOC (SW8260B)	TCP & Dioxane (SW8260BSIM)	VOC (ETO15)	SVOC (SW8270C)	PAH (SW8270CSIM)	Chlorinated Pesticides (SW8081A)	PCB as Aroclors (SW8082)	GRO (SW8015B)	TPHE (SW8015B)	Organophosphorus Pesticides SW(8141A)	PCDD/PCDF & TEQ (SW8290)	PCB as Congeners (E1668A)	Metals (SW6010B)	Metals (SW6020A)	Mercury (SW7470A)	Mercury (SW7471A)	Metals (E200.7)	Metals (E200.8)	CrVI (E218.6)	CrVI (SW7199)
44357	4402276793	RIDB-34-10-20181213	440-227679-2		12/13/2018	Soil	Stage 2B														X						
44357	4402276794	RIDB-34-10-20181213	440-227679-2		12/13/2018	Soil	Stage 2B											X									
44357	4402276791	RIDB-34-20-20181213	440-227679-3		12/13/2018	Soil	Stage 2B	X			X	X	X	X						X			X				X
44357	4402276792	RIDB-34-20-20181213	440-227679-3		12/13/2018	Soil	Stage 2B																				
44357	4402276793	RIDB-34-20-20181213	440-227679-3		12/13/2018	Soil	Stage 2B														X						
44357	4402276794	RIDB-34-20-20181213	440-227679-3		12/13/2018	Soil	Stage 2B											X									
44357	4402276791	RIDB-34-30-20181213	440-227679-4		12/13/2018	Soil	Stage 2B	X			X	X	X	X						X			X				X
44357	4402276792	RIDB-34-30-20181213	440-227679-4		12/13/2018	Soil	Stage 2B																				
44357	4402276793	RIDB-34-30-20181213	440-227679-4		12/13/2018	Soil	Stage 2B														X						
44357	4402276794	RIDB-34-30-20181213	440-227679-4		12/13/2018	Soil	Stage 2B											X									
44357	4402276791	RIDB-34-40-20181213	440-227679-5		12/13/2018	Soil	Stage 2B	X												X							
44357	4402276792	RIDB-34-40-20181213	440-227679-5		12/13/2018	Soil	Stage 2B																				
44357	4402276791	RIDB-34-50-20181213	440-227679-6		12/13/2018	Soil	Stage 2B	X												X							
44357	4402276792	RIDB-34-50-20181213	440-227679-6		12/13/2018	Soil	Stage 2B																				
44357	4402276791	RIDB-34-60-20181213	440-227679-7		12/13/2018	Soil	Stage 2B	X												X							
44357	4402276792	RIDB-34-60-20181213	440-227679-7		12/13/2018	Soil	Stage 2B																				
44357	4402276791	RIDB-34-70-20181213	440-227679-8	FD17	12/13/2018	Soil	Stage 2B	X												X							
44357	4402276792	RIDB-34-70-20181213	440-227679-8	FD17	12/13/2018	Soil	Stage 2B																				
44357	4402276791	RIDB-34-70-20181213-FD	440-227679-9	FD17	12/13/2018	Soil	Stage 2B	X												X							
44357	4402276792	RIDB-34-70-20181213-FD	440-227679-9	FD17	12/13/2018	Soil	Stage 2B																				
44357	4402276791	RIDB-34-80-20181213	440-227679-10		12/13/2018	Soil	Stage 2B	X												X							
44357	4402276792	RIDB-34-80-20181213	440-227679-10		12/13/2018	Soil	Stage 2B																				
44357	4402276791	RIDB-34-90-20181213	440-227679-11		12/13/2018	Soil	Stage 2B	X												X							
44357	4402276792	RIDB-34-90-20181213	440-227679-11		12/13/2018	Soil	Stage 2B																				

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LDC	SDG	Client ID	Lab ID	QC Type	Sample Date	Matrix	Validation Level	Anions (E300.0)	NO ₂ /NO ₃ -N (Calc)	Anions (SW9056)	Chlorate (E300.1B)	Chlorite (E300.1B)	Perchlorate (E314.0)	Phosphorus (E365.3)	Alkalinity (SM2320B)	Conductivity (SM2510B)	TDS (SM2540C)	FeII & FeIII (SM3500)	NH3 (SM4500)	DOC (SM5310B)	Sulfide (SW9034)	pH (SW9040C)	VFA (VFA-IC)	Ra-226 (E903.0)	Ra-228 (E904.0)	Isotopic Thorium (SOP 714 R14)	Isotopic Thorium (A01R)	Isotopic Uranium (DOE U-0-RC)	
44357	4402276793	RIDB-34-10-20181213	440-227679-2		12/13/2018	Soil	Stage 2B																	X	X		X		
44357	4402276794	RIDB-34-10-20181213	440-227679-2		12/13/2018	Soil	Stage 2B																						
44357	4402276791	RIDB-34-20-20181213	440-227679-3		12/13/2018	Soil	Stage 2B	X	X		X																		
44357	4402276792	RIDB-34-20-20181213	440-227679-3		12/13/2018	Soil	Stage 2B						X																
44357	4402276793	RIDB-34-20-20181213	440-227679-3		12/13/2018	Soil	Stage 2B																		X	X		X	
44357	4402276794	RIDB-34-20-20181213	440-227679-3		12/13/2018	Soil	Stage 2B																						
44357	4402276791	RIDB-34-30-20181213	440-227679-4		12/13/2018	Soil	Stage 2B	X	X		X																		
44357	4402276792	RIDB-34-30-20181213	440-227679-4		12/13/2018	Soil	Stage 2B						X																
44357	4402276793	RIDB-34-30-20181213	440-227679-4		12/13/2018	Soil	Stage 2B																		X	X		X	
44357	4402276794	RIDB-34-30-20181213	440-227679-4		12/13/2018	Soil	Stage 2B																						
44357	4402276791	RIDB-34-40-20181213	440-227679-5		12/13/2018	Soil	Stage 2B	X	X		X																		
44357	4402276792	RIDB-34-40-20181213	440-227679-5		12/13/2018	Soil	Stage 2B						X																
44357	4402276791	RIDB-34-50-20181213	440-227679-6		12/13/2018	Soil	Stage 2B	X	X		X																		
44357	4402276792	RIDB-34-50-20181213	440-227679-6		12/13/2018	Soil	Stage 2B						X																
44357	4402276791	RIDB-34-60-20181213	440-227679-7		12/13/2018	Soil	Stage 2B	X	X		X																		
44357	4402276792	RIDB-34-60-20181213	440-227679-7		12/13/2018	Soil	Stage 2B						X																
44357	4402276791	RIDB-34-70-20181213	440-227679-8	FD17	12/13/2018	Soil	Stage 2B	X	X		X																		
44357	4402276792	RIDB-34-70-20181213	440-227679-8	FD17	12/13/2018	Soil	Stage 2B						X																
44357	4402276791	RIDB-34-70-20181213-FD	440-227679-9	FD17	12/13/2018	Soil	Stage 2B	X	X		X																		
44357	4402276792	RIDB-34-70-20181213-FD	440-227679-9	FD17	12/13/2018	Soil	Stage 2B						X																
44357	4402276791	RIDB-34-80-20181213	440-227679-10		12/13/2018	Soil	Stage 2B	X	X		X																		
44357	4402276792	RIDB-34-80-20181213	440-227679-10		12/13/2018	Soil	Stage 2B						X																
44357	4402276791	RIDB-34-90-20181213	440-227679-11		12/13/2018	Soil	Stage 2B	X	X		X																		
44357	4402276792	RIDB-34-90-20181213	440-227679-11		12/13/2018	Soil	Stage 2B						X																

Table I. Sample Cross-Reference

LDC	SDG	Client ID	Lab ID	QC Type	Sample Date	Matrix	Validation Level	VOC (SW8260B)	TCP & Dioxane (SW8260BSIM)	VOC (ETO15)	SVOC (SW8270C)	PAH (SW8270CSIM)	Chlorinated Pesticides (SW8081A)	PCB as Aroclors (SW8082)	GRO (SW8015B)	TPHE (SW8015B)	Organophosphorus Pesticides SW (8141A)	PCDD/PCDF & TEQ (SW8290)	PCB as Congeners (E1668A)	Metals (SW6010B)	Metals (SW6020A)	Mercury (SW7470A)	Mercury (SW7471A)	Metals (E200.7)	Metals (E200.8)	CrVI (E218.6)	CrVI (SW7199)
44357	4402276791	RIDB-34-100-20181213	440-227679-12		12/13/2018	Soil	Stage 2B	X												X							
44357	4402276792	RIDB-34-100-20181213	440-227679-12		12/13/2018	Soil	Stage 2B																				
44357	4402276791	RIDB-34-110-20181213	440-227679-13		12/13/2018	Soil	Stage 2B	X												X							
44357	4402276792	RIDB-34-110-20181213	440-227679-13		12/13/2018	Soil	Stage 2B																				
44357	4402276791	RIDB-34-120-20181213	440-227679-14		12/13/2018	Soil	Stage 2B	X												X							
44357	4402276792	RIDB-34-120-20181213	440-227679-14		12/13/2018	Soil	Stage 2B																				
44357	4402276791	RIDB-34-130-20181213	440-227679-15		12/13/2018	Soil	Stage 2B	X												X							
44357	4402276792	RIDB-34-130-20181213	440-227679-15		12/13/2018	Soil	Stage 2B																				
44357	4402276791	RIDB-34-140-20181213	440-227679-16	FD18	12/13/2018	Soil	Stage 2B	X												X							
44357	4402276792	RIDB-34-140-20181213	440-227679-16	FD18	12/13/2018	Soil	Stage 2B																				
44357	4402276791	RIDB-34-140-20181213-FD	440-227679-17	FD18	12/13/2018	Soil	Stage 2B	X												X							
44357	4402276792	RIDB-34-140-20181213-FD	440-227679-17	FD18	12/13/2018	Soil	Stage 2B																				
44357	4402276791	RIDB-34-150-20181213	440-227679-18		12/13/2018	Soil	Stage 2B	X												X							
44357	4402276792	RIDB-34-150-20181213	440-227679-18		12/13/2018	Soil	Stage 2B																				
44357	4402276791	RIDB-36-1-20181213	440-227679-19		12/13/2018	Soil	Stage 2B	X			X	X	X	X						X			X				X
44357	4402276792	RIDB-36-1-20181213	440-227679-19		12/13/2018	Soil	Stage 2B																				
44357	4402276793	RIDB-36-1-20181213	440-227679-19		12/13/2018	Soil	Stage 2B													X							
44357	4402276794	RIDB-36-1-20181213	440-227679-19		12/13/2018	Soil	Stage 2B											X									
44357	4402276791	RIDB-36-5-20181213	440-227679-20		12/13/2018	Soil	Stage 2B	X			X	X	X	X						X			X				X
44357	4402276792	RIDB-36-5-20181213	440-227679-20		12/13/2018	Soil	Stage 2B																				
44357	4402276793	RIDB-36-5-20181213	440-227679-20		12/13/2018	Soil	Stage 2B														X						
44357	4402276794	RIDB-36-5-20181213	440-227679-20		12/13/2018	Soil	Stage 2B											X									
44357	4402276791	RIDB-36-10-20181213	440-227679-21		12/13/2018	Soil	Stage 2B	X			X	X	X	X						X			X				X
44357	4402276792	RIDB-36-10-20181213	440-227679-21		12/13/2018	Soil	Stage 2B																				

Table I. Sample Cross-Reference

LDC	SDG	Client ID	Lab ID	QC Type	Sample Date	Matrix	Validation Level	Anions (E300.0)	NO ₂ /NO ₃ -N (Calc)	Anions (SW9056)	Chlorate (E300.1B)	Chlorite (E300.1B)	Perchlorate (E314.0)	Phosphorus (E365.3)	Alkalinity (SM2320B)	Conductivity (SM2510B)	TDS (SM2540C)	FeII & FeIII (SM3500)	NH3 (SM4500)	DOC (SM5310B)	Sulfide (SW9034)	pH (SW9040C)	VFA (VFA-IC)	Ra-226 (E903.0)	Ra-228 (E904.0)	Isotopic Thorium (SOP 714 R14)	Isotopic Thorium (A01R)	Isotopic Uranium (DOE U-0-RC)	
44357	4402276791	RIDB-34-100-20181213	440-227679-12		12/13/2018	Soil	Stage 2B	X	X		X																		
44357	4402276792	RIDB-34-100-20181213	440-227679-12		12/13/2018	Soil	Stage 2B						X																
44357	4402276791	RIDB-34-110-20181213	440-227679-13		12/13/2018	Soil	Stage 2B	X	X		X																		
44357	4402276792	RIDB-34-110-20181213	440-227679-13		12/13/2018	Soil	Stage 2B						X																
44357	4402276791	RIDB-34-120-20181213	440-227679-14		12/13/2018	Soil	Stage 2B	X	X		X																		
44357	4402276792	RIDB-34-120-20181213	440-227679-14		12/13/2018	Soil	Stage 2B						X																
44357	4402276791	RIDB-34-130-20181213	440-227679-15		12/13/2018	Soil	Stage 2B	X	X		X																		
44357	4402276792	RIDB-34-130-20181213	440-227679-15		12/13/2018	Soil	Stage 2B						X																
44357	4402276791	RIDB-34-140-20181213	440-227679-16	FD18	12/13/2018	Soil	Stage 2B	X	X		X																		
44357	4402276792	RIDB-34-140-20181213	440-227679-16	FD18	12/13/2018	Soil	Stage 2B						X																
44357	4402276791	RIDB-34-140-20181213-FD	440-227679-17	FD18	12/13/2018	Soil	Stage 2B	X	X		X																		
44357	4402276792	RIDB-34-140-20181213-FD	440-227679-17	FD18	12/13/2018	Soil	Stage 2B						X																
44357	4402276791	RIDB-34-150-20181213	440-227679-18		12/13/2018	Soil	Stage 2B	X	X		X																		
44357	4402276792	RIDB-34-150-20181213	440-227679-18		12/13/2018	Soil	Stage 2B						X																
44357	4402276791	RIDB-36-1-20181213	440-227679-19		12/13/2018	Soil	Stage 2B	X	X		X																		
44357	4402276792	RIDB-36-1-20181213	440-227679-19		12/13/2018	Soil	Stage 2B						X																
44357	4402276793	RIDB-36-1-20181213	440-227679-19		12/13/2018	Soil	Stage 2B																	X	X			X	
44357	4402276794	RIDB-36-1-20181213	440-227679-19		12/13/2018	Soil	Stage 2B																						
44357	4402276791	RIDB-36-5-20181213	440-227679-20		12/13/2018	Soil	Stage 2B	X	X		X																		
44357	4402276792	RIDB-36-5-20181213	440-227679-20		12/13/2018	Soil	Stage 2B						X																
44357	4402276793	RIDB-36-5-20181213	440-227679-20		12/13/2018	Soil	Stage 2B																	X	X			X	
44357	4402276794	RIDB-36-5-20181213	440-227679-20		12/13/2018	Soil	Stage 2B																						
44357	4402276791	RIDB-36-10-20181213	440-227679-21		12/13/2018	Soil	Stage 2B	X	X		X																		
44357	4402276792	RIDB-36-10-20181213	440-227679-21		12/13/2018	Soil	Stage 2B						X																

Table I. Sample Cross-Reference

LDC	SDG	Client ID	Lab ID	QC Type	Sample Date	Matrix	Validation Level	VOC (SW8260B)	TCP & Dioxane (SW8260BSIM)	VOC (ETO15)	SVOC (SW8270C)	PAH (SW8270CSIM)	Chlorinated Pesticides (SW8081A)	PCB as Aroclors (SW8082)	GRO (SW8015B)	TPHE (SW8015B)	Organophosphorus Pesticides SW(8141A)	PCDD/PCDF & TEQ (SW8290)	PCB as Congeners (E1668A)	Metals (SW6010B)	Metals (SW6020A)	Mercury (SW7470A)	Mercury (SW7471A)	Metals (E200.7)	Metals (E200.8)	CrVI (E218.6)	CrVI (SW7199)
44357	4402276793	RIDB-36-10-20181213	440-227679-21		12/13/2018	Soil	Stage 2B														X						
44357	4402276794	RIDB-36-10-20181213	440-227679-21		12/13/2018	Soil	Stage 2B											X									
44357	4402276791	RIDB-36-20-20181213	440-227679-22		12/13/2018	Soil	Stage 2B	X			X	X	X	X						X			X				X
44357	4402276792	RIDB-36-20-20181213	440-227679-22		12/13/2018	Soil	Stage 2B																				
44357	4402276793	RIDB-36-20-20181213	440-227679-22		12/13/2018	Soil	Stage 2B														X						
44357	4402276794	RIDB-36-20-20181213	440-227679-22		12/13/2018	Soil	Stage 2B											X									
44357	4402276791	RIDB-36-30-20181213	440-227679-23		12/13/2018	Soil	Stage 2B	X			X	X	X	X						X			X				X
44357	4402276792	RIDB-36-30-20181213	440-227679-23		12/13/2018	Soil	Stage 2B																				
44357	4402276793	RIDB-36-30-20181213	440-227679-23		12/13/2018	Soil	Stage 2B														X						
44357	4402276794	RIDB-36-30-20181213	440-227679-23		12/13/2018	Soil	Stage 2B											X									
44357	4402276791	RIDB-36-40-20181213	440-227679-24		12/13/2018	Soil	Stage 2B	X												X							
44357	4402276792	RIDB-36-40-20181213	440-227679-24		12/13/2018	Soil	Stage 2B																				
44357	4402276791	RIDB-36-50-20181213	440-227679-25		12/13/2018	Soil	Stage 2B	X												X							
44357	4402276792	RIDB-36-50-20181213	440-227679-25		12/13/2018	Soil	Stage 2B																				
44357	4402279111	RIDB-36-20181214-TB	440-227911-1	TB	12/14/2018	Soil	Stage 2B	X																			
44357	4402279111	RIDB-36-60-20181214	440-227911-2		12/14/2018	Soil	Stage 2B	X													X						
44357	4402279112	RIDB-36-60-20181214	440-227911-2		12/14/2018	Soil	Stage 2B																				
44357	4402279111	RIDB-36-70-20181214	440-227911-3		12/14/2018	Soil	Stage 2B	X													X						
44357	4402279112	RIDB-36-70-20181214	440-227911-3		12/14/2018	Soil	Stage 2B																				
44357	4402279111	RIDB-36-80-20181214	440-227911-4		12/14/2018	Soil	Stage 2B	X													X						
44357	4402279112	RIDB-36-80-20181214	440-227911-4		12/14/2018	Soil	Stage 2B																				
44357	4402279111	RIDB-36-90-20181214	440-227911-5		12/14/2018	Soil	Stage 2B	X													X						
44357	4402279112	RIDB-36-90-20181214	440-227911-5		12/14/2018	Soil	Stage 2B																				
44357	4402279111	RIDB-36-100-20181214	440-227911-6		12/14/2018	Soil	Stage 2B	X													X						

Table I. Sample Cross-Reference

LDC	SDG	Client ID	Lab ID	QC Type	Sample Date	Matrix	Validation Level	Anions (E300.0)	NO ₂ /NO ₃ -N (Calc)	Anions (SW9056)	Chlorate (E300.1B)	Chlorite (E300.1B)	Perchlorate (E314.0)	Phosphorus (E365.3)	Alkalinity (SM2320B)	Conductivity (SM2510B)	TDS (SM2540C)	FeII & FeIII (SM3500)	NH3 (SM4500)	DOC (SM5310B)	Sulfide (SW9034)	pH (SW9040C)	VFA (VFA-IC)	Ra-226 (E903.0)	Ra-228 (E904.0)	Isotopic Thorium (SOP 714 R14)	Isotopic Thorium (A01R)	Isotopic Uranium (DOE U-0-RC)	
44357	4402276793	RIDB-36-10-20181213	440-227679-21		12/13/2018	Soil	Stage 2B																	X	X		X		
44357	4402276794	RIDB-36-10-20181213	440-227679-21		12/13/2018	Soil	Stage 2B																						
44357	4402276791	RIDB-36-20-20181213	440-227679-22		12/13/2018	Soil	Stage 2B	X	X		X																		
44357	4402276792	RIDB-36-20-20181213	440-227679-22		12/13/2018	Soil	Stage 2B						X																
44357	4402276793	RIDB-36-20-20181213	440-227679-22		12/13/2018	Soil	Stage 2B																		X	X		X	
44357	4402276794	RIDB-36-20-20181213	440-227679-22		12/13/2018	Soil	Stage 2B																						
44357	4402276791	RIDB-36-30-20181213	440-227679-23		12/13/2018	Soil	Stage 2B	X	X		X																		
44357	4402276792	RIDB-36-30-20181213	440-227679-23		12/13/2018	Soil	Stage 2B						X																
44357	4402276793	RIDB-36-30-20181213	440-227679-23		12/13/2018	Soil	Stage 2B																		X	X		X	
44357	4402276794	RIDB-36-30-20181213	440-227679-23		12/13/2018	Soil	Stage 2B																						
44357	4402276791	RIDB-36-40-20181213	440-227679-24		12/13/2018	Soil	Stage 2B	X	X		X																		
44357	4402276792	RIDB-36-40-20181213	440-227679-24		12/13/2018	Soil	Stage 2B						X																
44357	4402276791	RIDB-36-50-20181213	440-227679-25		12/13/2018	Soil	Stage 2B	X	X		X																		
44357	4402276792	RIDB-36-50-20181213	440-227679-25		12/13/2018	Soil	Stage 2B						X																
44357	4402279111	RIDB-36-20181214-TB	440-227911-1	TB	12/14/2018	Soil	Stage 2B																						
44357	4402279111	RIDB-36-60-20181214	440-227911-2		12/14/2018	Soil	Stage 2B	X	X		X																		
44357	4402279112	RIDB-36-60-20181214	440-227911-2		12/14/2018	Soil	Stage 2B						X																
44357	4402279111	RIDB-36-70-20181214	440-227911-3		12/14/2018	Soil	Stage 2B	X	X		X																		
44357	4402279112	RIDB-36-70-20181214	440-227911-3		12/14/2018	Soil	Stage 2B						X																
44357	4402279111	RIDB-36-80-20181214	440-227911-4		12/14/2018	Soil	Stage 2B	X	X		X																		
44357	4402279112	RIDB-36-80-20181214	440-227911-4		12/14/2018	Soil	Stage 2B						X																
44357	4402279111	RIDB-36-90-20181214	440-227911-5		12/14/2018	Soil	Stage 2B	X	X		X																		
44357	4402279112	RIDB-36-90-20181214	440-227911-5		12/14/2018	Soil	Stage 2B						X																
44357	4402279111	RIDB-36-100-20181214	440-227911-6		12/14/2018	Soil	Stage 2B	X	X		X																		

Table I. Sample Cross-Reference

LDC	SDG	Client ID	Lab ID	QC Type	Sample Date	Matrix	Validation Level	VOC (SW8260B)	TCP & Dioxane (SW8260BSIM)	VOC (ETO15)	SVOC (SW8270C)	PAH (SW8270CSIM)	Chlorinated Pesticides (SW8081A)	PCB as Aroclors (SW8082)	GRO (SW8015B)	TPHE (SW8015B)	Organophosphorus Pesticides SW(8141A)	PCDD/PCDF & TEQ (SW8290)	PCB as Congeners (E1668A)	Metals (SW6010B)	Metals (SW6020A)	Mercury (SW7470A)	Mercury (SW7471A)	Metals (E200.7)	Metals (E200.8)	CrVI (E218.6)	CrVI (SW7199)	
44357	4402279112	RIDB-36-100-20181214	440-227911-6		12/14/2018	Soil	Stage 2B																					
44357	4402279111	RIDB-36-110-20181214	440-227911-7		12/14/2018	Soil	Stage 2B	X												X								
44357	4402279112	RIDB-36-110-20181214	440-227911-7		12/14/2018	Soil	Stage 2B																					
44357	4402279111	RIDB-36-120-20181214	440-227911-8	FD19	12/14/2018	Soil	Stage 2B	X												X								
44357	4402279112	RIDB-36-120-20181214	440-227911-8	FD19	12/14/2018	Soil	Stage 2B																					
44357	4402279111	RIDB-36-120-20181214-FD	440-227911-9	FD19	12/14/2018	Soil	Stage 2B	X												X								
44357	4402279112	RIDB-36-120-20181214-FD	440-227911-9	FD19	12/14/2018	Soil	Stage 2B																					
44357	4402279111	RIDB-36-130-20181214	440-227911-10		12/14/2018	Soil	Stage 2B	X												X								
44357	4402279112	RIDB-36-130-20181214	440-227911-10		12/14/2018	Soil	Stage 2B																					
44357	4402279111	RIDB-36-140-20181214	440-227911-11		12/14/2018	Soil	Stage 2B	X												X								
44357	4402279112	RIDB-36-140-20181214	440-227911-11		12/14/2018	Soil	Stage 2B																					
44357	4402279111	RIDB-36-150-20181214	440-227911-12		12/14/2018	Soil	Stage 2B	X												X								
44357	4402279112	RIDB-36-150-20181214	440-227911-12		12/14/2018	Soil	Stage 2B																					
44357	4402281621	M-266-20181217	440-228162-1		12/17/2018	Water	Stage 2A																	X				
44357	4402281671	M-260-20181213	440-228167-1		12/13/2018	Water	Stage 2A																	X				
44357	4402281671	M-261-20181213	440-228167-2		12/13/2018	Water	Stage 2A																	X				
44357	4402281671	M-262-20181213	440-228167-3		12/13/2018	Water	Stage 2A																	X				
44357	4402281671	M-263-20181214	440-228167-4		12/14/2018	Water	Stage 2A																	X				
44357	4402281671	M-264-20181214	440-228167-5		12/14/2018	Water	Stage 2A																	X				
44357	4402281671	M-265-20181214	440-228167-6		12/14/2018	Water	Stage 2A																	X				
44357	4402282261	RISB-1-20181218-TB	440-228226-1	TB	12/18/2018	Water	Stage 2A	X																				
44357	4402282261	RISB-1-0.5-20181218	440-228226-2		12/18/2018	Soil	Stage 4													X			X					X
44357	4402282262	RISB-1-0.5-20181218	440-228226-2		12/18/2018	Soil	Stage 2B														X							
44357	4402282261	RISB-1-5.0-20181218	440-228226-3		12/18/2018	Soil	Stage 2B													X			X					X

Table I. Sample Cross-Reference

LDC	SDG	Client ID	Lab ID	QC Type	Sample Date	Matrix	Validation Level	Anions (E300.0)	NO ₂ /NO ₃ -N (Calc)	Anions (SW9056)	Chlorate (E300.1B)	Chlorite (E300.1B)	Perchlorate (E314.0)	Phosphorus (E365.3)	Alkalinity (SM2320B)	Conductivity (SM2510B)	TDS (SM2540C)	FeII & FeIII (SM3500)	NH3 (SM4500)	DOC (SM5310B)	Sulfide (SW9034)	pH (SW9040C)	VFA (VFA-IC)	Ra-226 (E903.0)	Ra-228 (E904.0)	Isotopic Thorium (SOP 714 R14)	Isotopic Thorium (A01R)	Isotopic Uranium (DOE U-0-RC)
44357	4402279112	RIDB-36-100-20181214	440-227911-6		12/14/2018	Soil	Stage 2B						X															
44357	4402279111	RIDB-36-110-20181214	440-227911-7		12/14/2018	Soil	Stage 2B	X	X		X																	
44357	4402279112	RIDB-36-110-20181214	440-227911-7		12/14/2018	Soil	Stage 2B						X															
44357	4402279111	RIDB-36-120-20181214	440-227911-8	FD19	12/14/2018	Soil	Stage 2B	X	X		X																	
44357	4402279112	RIDB-36-120-20181214	440-227911-8	FD19	12/14/2018	Soil	Stage 2B						X															
44357	4402279111	RIDB-36-120-20181214-FD	440-227911-9	FD19	12/14/2018	Soil	Stage 2B	X	X		X																	
44357	4402279112	RIDB-36-120-20181214-FD	440-227911-9	FD19	12/14/2018	Soil	Stage 2B						X															
44357	4402279111	RIDB-36-130-20181214	440-227911-10		12/14/2018	Soil	Stage 2B	X	X		X																	
44357	4402279112	RIDB-36-130-20181214	440-227911-10		12/14/2018	Soil	Stage 2B						X															
44357	4402279111	RIDB-36-140-20181214	440-227911-11		12/14/2018	Soil	Stage 2B	X	X		X																	
44357	4402279112	RIDB-36-140-20181214	440-227911-11		12/14/2018	Soil	Stage 2B						X															
44357	4402279111	RIDB-36-150-20181214	440-227911-12		12/14/2018	Soil	Stage 2B	X	X		X																	
44357	4402279112	RIDB-36-150-20181214	440-227911-12		12/14/2018	Soil	Stage 2B						X															
44357	4402281621	M-266-20181217	440-228162-1		12/17/2018	Water	Stage 2A	X			X		X		X		X											
44357	4402281671	M-260-20181213	440-228167-1		12/13/2018	Water	Stage 2A	X			X		X		X		X											
44357	4402281671	M-261-20181213	440-228167-2		12/13/2018	Water	Stage 2A	X			X		X		X		X											
44357	4402281671	M-262-20181213	440-228167-3		12/13/2018	Water	Stage 2A	X			X		X		X		X											
44357	4402281671	M-263-20181214	440-228167-4		12/14/2018	Water	Stage 2A	X			X		X		X		X											
44357	4402281671	M-264-20181214	440-228167-5		12/14/2018	Water	Stage 2A	X			X		X		X		X											
44357	4402281671	M-265-20181214	440-228167-6		12/14/2018	Water	Stage 2A	X			X		X		X		X											
44357	4402282261	RISB-1-20181218-TB	440-228226-1	TB	12/18/2018	Water	Stage 2A																					
44357	4402282261	RISB-1-0.5-20181218	440-228226-2		12/18/2018	Soil	Stage 4	X	X		X		X		X				X									
44357	4402282262	RISB-1-0.5-20181218	440-228226-2		12/18/2018	Soil	Stage 2B																					
44357	4402282261	RISB-1-5.0-20181218	440-228226-3		12/18/2018	Soil	Stage 2B	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 (SW8260B)	TCP & Dioxane (SW8260BSIM)	VOC (ETO15)	SVOC (SW8270C)	PAH (SW8270CSIM)	Chlorinated Pesticides (SW8081A)	PCB as Aroclors (SW8082)	GRO (SW8015B)	TPHE (SW8015B)	Organophosphorus Pesticides SW(8141A)	PCDD/PCDF & TEQ (SW8290)	PCB as Congeners (E1668A)	Metals (SW6010B)	Metals (SW6020A)	Mercury (SW7470A)	Mercury (SW7471A)	Metals (E200.7)	Metals (E200.8)	CrVI (E218.6)	CrVI (SW7199)
44357	4402282262	RISB-1-5.0-20181218	440-228226-3		12/18/2018	Soil	Stage 2B														X						
44357	4402282261	RISB-1-10.0-20181218	440-228226-4		12/18/2018	Soil	Stage 4													X			X				X
44357	4402282262	RISB-1-10.0-20181218	440-228226-4		12/18/2018	Soil	Stage 2B														X						
44357	4402282261	RISB-1-15.0-20181218	440-228226-5		12/18/2018	Soil	Stage 2B													X			X				X
44357	4402282262	RISB-1-15.0-20181218	440-228226-5		12/18/2018	Soil	Stage 2B														X						
44357	4402282261	RISB-1-20.0-20181218	440-228226-6		12/18/2018	Soil	Stage 2B													X			X				X
44357	4402282262	RISB-1-20.0-20181218	440-228226-6		12/18/2018	Soil	Stage 2B														X						
44357	4402282261	RISB-1-25.0-20181218	440-228226-7		12/18/2018	Soil	Stage 2B													X			X				X
44357	4402282262	RISB-1-25.0-20181218	440-228226-7		12/18/2018	Soil	Stage 2B														X						
44357	4402282261	RISB-1-30.0-20181218	440-228226-8		12/18/2018	Soil	Stage 2B													X			X				X
44357	4402282261	RISB-1-30.0-20181218	440-228226-8		12/18/2018	Soil	Stage 4																				
44357	4402282262	RISB-1-30.0-20181218	440-228226-8		12/18/2018	Soil	Stage 2B														X						
44357	4402282261	RISB-1-32.0-20181218	440-228226-9		12/18/2018	Soil	Stage 2B													X			X				X
44357	4402282262	RISB-1-32.0-20181218	440-228226-9		12/18/2018	Soil	Stage 2B														X						
44357	4402282261	RISB-2-0.5-20181218	440-228226-10		12/18/2018	Soil	Stage 2B													X			X				X
44357	4402282262	RISB-2-0.5-20181218	440-228226-10		12/18/2018	Soil	Stage 2B														X						
44357	4402282261	RISB-2-5.0-20181218	440-228226-11		12/18/2018	Soil	Stage 4													X			X				X
44357	4402282262	RISB-2-5.0-20181218	440-228226-11		12/18/2018	Soil	Stage 2B														X						
44357	4402282261	RISB-2-10.0-20181218	440-228226-12	FD20	12/18/2018	Soil	Stage 2B													X			X				X
44357	4402282262	RISB-2-10.0-20181218	440-228226-12	FD20	12/18/2018	Soil	Stage 2B														X						
44357	4402282261	RISB-2-10.0-20181218-FD	440-228226-13	FD20	12/18/2018	Soil	Stage 2B													X			X				X
44357	4402282262	RISB-2-10.0-20181218-FD	440-228226-13	FD20	12/18/2018	Soil	Stage 2B														X						
44357	4402282261	RISB-2-15.0-20181218	440-228226-14		12/18/2018	Soil	Stage 4													X			X				X
44357	4402282262	RISB-2-15.0-20181218	440-228226-14		12/18/2018	Soil	Stage 2B														X						

Table I. Sample Cross-Reference

LDC	SDG	Client ID	Lab ID	QC Type	Sample Date	Matrix	Validation Level	Anions (E300.0)	NO ₂ /NO ₃ -N (Calc)	Anions (SW9056)	Chlorate (E300.1B)	Chlorite (E300.1B)	Perchlorate (E314.0)	Phosphorus (E365.3)	Alkalinity (SM2320B)	Conductivity (SM2510B)	TDS (SM2540C)	FeII & FeIII (SM3500)	NH3 (SM4500)	DOC (SM5310B)	Sulfide (SW9034)	pH (SW9040C)	VFA (VFA-IC)	Ra-226 (E903.0)	Ra-228 (E904.0)	Isotopic Thorium (SOP 714 R14)	Isotopic Thorium (A01R)	Isotopic Uranium (DOE U-0-RC)
44357	4402282262	RISB-1-5.0-20181218	440-228226-3		12/18/2018	Soil	Stage 2B																					
44357	4402282261	RISB-1-10.0-20181218	440-228226-4		12/18/2018	Soil	Stage 4	X	X		X		X		X				X									
44357	4402282262	RISB-1-10.0-20181218	440-228226-4		12/18/2018	Soil	Stage 2B																					
44357	4402282261	RISB-1-15.0-20181218	440-228226-5		12/18/2018	Soil	Stage 2B	X	X		X		X		X				X									
44357	4402282262	RISB-1-15.0-20181218	440-228226-5		12/18/2018	Soil	Stage 2B																					
44357	4402282261	RISB-1-20.0-20181218	440-228226-6		12/18/2018	Soil	Stage 2B	X	X		X		X		X				X									
44357	4402282262	RISB-1-20.0-20181218	440-228226-6		12/18/2018	Soil	Stage 2B																					
44357	4402282261	RISB-1-25.0-20181218	440-228226-7		12/18/2018	Soil	Stage 2B	X	X		X		X		X				X									
44357	4402282262	RISB-1-25.0-20181218	440-228226-7		12/18/2018	Soil	Stage 2B																					
44357	4402282261	RISB-1-30.0-20181218	440-228226-8		12/18/2018	Soil	Stage 2B	X	X		X				X				X									
44357	4402282261	RISB-1-30.0-20181218	440-228226-8		12/18/2018	Soil	Stage 4	X					X															
44357	4402282262	RISB-1-30.0-20181218	440-228226-8		12/18/2018	Soil	Stage 2B																					
44357	4402282261	RISB-1-32.0-20181218	440-228226-9		12/18/2018	Soil	Stage 2B	X	X		X		X		X				X									
44357	4402282262	RISB-1-32.0-20181218	440-228226-9		12/18/2018	Soil	Stage 2B																					
44357	4402282261	RISB-2-0.5-20181218	440-228226-10		12/18/2018	Soil	Stage 2B	X	X		X		X		X				X									
44357	4402282262	RISB-2-0.5-20181218	440-228226-10		12/18/2018	Soil	Stage 2B																					
44357	4402282261	RISB-2-5.0-20181218	440-228226-11		12/18/2018	Soil	Stage 4	X	X		X		X		X				X									
44357	4402282262	RISB-2-5.0-20181218	440-228226-11		12/18/2018	Soil	Stage 2B																					
44357	4402282261	RISB-2-10.0-20181218	440-228226-12	FD20	12/18/2018	Soil	Stage 2B	X	X		X		X		X				X									
44357	4402282262	RISB-2-10.0-20181218	440-228226-12	FD20	12/18/2018	Soil	Stage 2B																					
44357	4402282261	RISB-2-10.0-20181218-FD	440-228226-13	FD20	12/18/2018	Soil	Stage 2B	X	X		X		X		X				X									
44357	4402282262	RISB-2-10.0-20181218-FD	440-228226-13	FD20	12/18/2018	Soil	Stage 2B																					
44357	4402282261	RISB-2-15.0-20181218	440-228226-14		12/18/2018	Soil	Stage 4	X	X		X		X		X				X									
44357	4402282262	RISB-2-15.0-20181218	440-228226-14		12/18/2018	Soil	Stage 2B																					

Table I. Sample Cross-Reference

LDC	SDG	Client ID	Lab ID	QC Type	Sample Date	Matrix	Validation Level	VOC (SW8260B)	TCP & Dioxane (SW8260BSIM)	VOC (ETO15)	SVOC (SW8270C)	PAH (SW8270CSIM)	Chlorinated Pesticides (SW8081A)	PCB as Aroclors (SW8082)	GRO (SW8015B)	TPHE (SW8015B)	Organophosphorus Pesticides SW(8141A)	PCDD/PCDF & TEQ (SW8290)	PCB as Congeners (E1668A)	Metals (SW6010B)	Metals (SW6020A)	Mercury (SW7470A)	Mercury (SW7471A)	Metals (E200.7)	Metals (E200.8)	CrVI (E218.6)	CrVI (SW7199)
44357	4402282261	RISB-2-20.0-20181218	440-228226-15		12/18/2018	Soil	Stage 2B													X			X				X
44357	4402282262	RISB-2-20.0-20181218	440-228226-15		12/18/2018	Soil	Stage 2B														X						
44357	4402282261	RISB-2-25.0-20181218	440-228226-16		12/18/2018	Soil	Stage 2B													X			X				X
44357	4402282262	RISB-2-25.0-20181218	440-228226-16		12/18/2018	Soil	Stage 2B														X						
44357	4402282261	RISB-2-30.0-20181218	440-228226-17		12/18/2018	Soil	Stage 2B													X			X				X
44357	4402282262	RISB-2-30.0-20181218	440-228226-17		12/18/2018	Soil	Stage 2B														X						
44357	4402282261	RISB-2-32.0-20181218	440-228226-18		12/18/2018	Soil	Stage 2B													X			X				X
44357	4402282262	RISB-2-32.0-20181218	440-228226-18		12/18/2018	Soil	Stage 2B														X						
44357	4402282261	RISB-3-0.5-20181218	440-228226-19		12/18/2018	Soil	Stage 2B													X			X				X
44357	4402282262	RISB-3-0.5-20181218	440-228226-19		12/18/2018	Soil	Stage 2B														X						
44357	4402282261	RISB-3-5.0-20181218	440-228226-20		12/18/2018	Soil	Stage 2B													X			X				X
44357	4402282262	RISB-3-5.0-20181218	440-228226-20		12/18/2018	Soil	Stage 2B														X						
44357	4402282261	RISB-3-10.0-20181218	440-228226-21		12/18/2018	Soil	Stage 4													X			X				X
44357	4402282262	RISB-3-10.0-20181218	440-228226-21		12/18/2018	Soil	Stage 2B														X						
44357	4402282261	RISB-3-15.0-20181218	440-228226-22		12/18/2018	Soil	Stage 2B													X			X				X
44357	4402282262	RISB-3-15.0-20181218	440-228226-22		12/18/2018	Soil	Stage 2B														X						
44357	4402282261	RISB-3-20.0-20181218	440-228226-23	FD21	12/18/2018	Soil	Stage 2B													X			X				X
44357	4402282262	RISB-3-20.0-20181218	440-228226-23	FD21	12/18/2018	Soil	Stage 2B														X						
44357	4402282261	RISB-3-20.0-20181218-FD	440-228226-24	FD21	12/18/2018	Soil	Stage 2B													X			X				X
44357	4402282262	RISB-3-20.0-20181218-FD	440-228226-24	FD21	12/18/2018	Soil	Stage 2B														X						
44357	4402282261	RISB-3-25.0-20181218	440-228226-25		12/18/2018	Soil	Stage 4													X			X				X
44357	4402282262	RISB-3-25.0-20181218	440-228226-25		12/18/2018	Soil	Stage 2B														X						
44357	4402282261	RISB-3-30.0-20181218	440-228226-26		12/18/2018	Soil	Stage 2B													X			X				X
44357	4402282262	RISB-3-30.0-20181218	440-228226-26		12/18/2018	Soil	Stage 2B														X						

Table I. Sample Cross-Reference

LDC	SDG	Client ID	Lab ID	QC Type	Sample Date	Matrix	Validation Level	Anions (E300.0)	NO ₂ /NO ₃ -N (Calc)	Anions (SW9056)	Chlorate (E300.1B)	Chlorite (E300.1B)	Perchlorate (E314.0)	Phosphorus (E365.3)	Alkalinity (SM2320B)	Conductivity (SM2510B)	TDS (SM2540C)	FeII & FeIII (SM3500)	NH3 (SM4500)	DOC (SM5310B)	Sulfide (SW9034)	pH (SW9040C)	VFA (VFA-1C)	Ra-226 (E903.0)	Ra-228 (E904.0)	Isotopic Thorium (SOP 714 R14)	Isotopic Thorium (A01R)	Isotopic Uranium (DOE U-0-RC)
44357	4402282261	RISB-2-20.0-20181218	440-228226-15		12/18/2018	Soil	Stage 2B	X	X		X		X		X				X									
44357	4402282262	RISB-2-20.0-20181218	440-228226-15		12/18/2018	Soil	Stage 2B																					
44357	4402282261	RISB-2-25.0-20181218	440-228226-16		12/18/2018	Soil	Stage 2B	X	X		X		X		X				X									
44357	4402282262	RISB-2-25.0-20181218	440-228226-16		12/18/2018	Soil	Stage 2B																					
44357	4402282261	RISB-2-30.0-20181218	440-228226-17		12/18/2018	Soil	Stage 2B	X	X		X		X		X				X									
44357	4402282262	RISB-2-30.0-20181218	440-228226-17		12/18/2018	Soil	Stage 2B																					
44357	4402282261	RISB-2-32.0-20181218	440-228226-18		12/18/2018	Soil	Stage 2B	X	X		X		X		X				X									
44357	4402282262	RISB-2-32.0-20181218	440-228226-18		12/18/2018	Soil	Stage 2B																					
44357	4402282261	RISB-3-0.5-20181218	440-228226-19		12/18/2018	Soil	Stage 2B	X	X		X		X		X				X									
44357	4402282262	RISB-3-0.5-20181218	440-228226-19		12/18/2018	Soil	Stage 2B																					
44357	4402282261	RISB-3-5.0-20181218	440-228226-20		12/18/2018	Soil	Stage 2B	X	X		X		X		X				X									
44357	4402282262	RISB-3-5.0-20181218	440-228226-20		12/18/2018	Soil	Stage 2B																					
44357	4402282261	RISB-3-10.0-20181218	440-228226-21		12/18/2018	Soil	Stage 4	X	X		X		X		X				X									
44357	4402282262	RISB-3-10.0-20181218	440-228226-21		12/18/2018	Soil	Stage 2B																					
44357	4402282261	RISB-3-15.0-20181218	440-228226-22		12/18/2018	Soil	Stage 2B	X	X		X		X		X				X									
44357	4402282262	RISB-3-15.0-20181218	440-228226-22		12/18/2018	Soil	Stage 2B																					
44357	4402282261	RISB-3-20.0-20181218	440-228226-23	FD21	12/18/2018	Soil	Stage 2B	X	X		X		X		X				X									
44357	4402282262	RISB-3-20.0-20181218	440-228226-23	FD21	12/18/2018	Soil	Stage 2B																					
44357	4402282261	RISB-3-20.0-20181218-FD	440-228226-24	FD21	12/18/2018	Soil	Stage 2B	X	X		X		X		X				X									
44357	4402282262	RISB-3-20.0-20181218-FD	440-228226-24	FD21	12/18/2018	Soil	Stage 2B																					
44357	4402282261	RISB-3-25.0-20181218	440-228226-25		12/18/2018	Soil	Stage 4	X	X		X		X		X				X									
44357	4402282262	RISB-3-25.0-20181218	440-228226-25		12/18/2018	Soil	Stage 2B																					
44357	4402282261	RISB-3-30.0-20181218	440-228226-26		12/18/2018	Soil	Stage 2B	X	X		X		X		X				X									
44357	4402282262	RISB-3-30.0-20181218	440-228226-26		12/18/2018	Soil	Stage 2B																					

Table I. Sample Cross-Reference

LDC	SDG	Client ID	Lab ID	QC Type	Sample Date	Matrix	Validation Level	VOC (SW8260B)	TCP & Dioxane (SW8260BSIM)	VOC (ETO15)	SVOC (SW8270C)	PAH (SW8270CSIM)	Chlorinated Pesticides (SW8081A)	PCB as Aroclors (SW8082)	GRO (SW8015B)	TPHE (SW8015B)	Organophosphorus Pesticides SW(8141A)	PCDD/PCDF & TEQ (SW8290)	PCB as Congeners (E1668A)	Metals (SW6010B)	Metals (SW6020A)	Mercury (SW7470A)	Mercury (SW7471A)	Metals (E200.7)	Metals (E200.8)	CrVI (E218.6)	CrVI (SW7199)	
44357	4402282261	RISB-3-32.0-20181218	440-228226-27		12/18/2018	Soil	Stage 2B													X			X				X	
44357	4402282262	RISB-3-32.0-20181218	440-228226-27		12/18/2018	Soil	Stage 2B															X						
44357	4402282261	RISB-4-0.5-20181218	440-228226-28		12/18/2018	Soil	Stage 2B													X			X					X
44357	4402282262	RISB-4-0.5-20181218	440-228226-28		12/18/2018	Soil	Stage 2B														X							
44357	4402282261	RISB-4-5.0-20181218	440-228226-29		12/18/2018	Soil	Stage 2B													X			X					X
44357	4402282262	RISB-4-5.0-20181218	440-228226-29		12/18/2018	Soil	Stage 2B														X							
44357	4402282261	RISB-4-10.0-20181218	440-228226-30		12/18/2018	Soil	Stage 2B													X			X					X
44357	4402282261	RISB-4-10.0-20181218	440-228226-30		12/18/2018	Soil	Stage 4																					
44357	4402282262	RISB-4-10.0-20181218	440-228226-30		12/18/2018	Soil	Stage 2B															X						
44357	4402282261	RISB-4-15.0-20181218	440-228226-31		12/18/2018	Soil	Stage 2B													X			X					X
44357	4402282262	RISB-4-15.0-20181218	440-228226-31		12/18/2018	Soil	Stage 2B														X							
44357	4402282261	RISB-4-20.0-20181218	440-228226-32		12/18/2018	Soil	Stage 2B													X			X					X
44357	4402282262	RISB-4-20.0-20181218	440-228226-32		12/18/2018	Soil	Stage 2B														X							
44357	4402282261	RISB-4-25.0-20181218	440-228226-33		12/18/2018	Soil	Stage 2B													X			X					X
44357	4402282262	RISB-4-25.0-20181218	440-228226-33		12/18/2018	Soil	Stage 2B														X							
44357	4402282261	RISB-4-30.0-20181218	440-228226-34		12/18/2018	Soil	Stage 2B													X			X					X
44357	4402282261	RISB-4-30.0-20181218	440-228226-34		12/18/2018	Soil	Stage 4																					
44357	4402282262	RISB-4-30.0-20181218	440-228226-34		12/18/2018	Soil	Stage 2B															X						
44357	4402282261	RISB-4-25.5-20181218	440-228226-35		12/18/2018	Soil	Stage 2B													X			X					X
44357	4402282262	RISB-4-25.5-20181218	440-228226-35		12/18/2018	Soil	Stage 2B														X							
44357	4402282261	RISB-4-27.5-20181218	440-228226-36		12/18/2018	Soil	Stage 2B													X			X					X
44357	4402282262	RISB-4-27.5-20181218	440-228226-36		12/18/2018	Soil	Stage 2B														X							
44357	4402282261	RISB-5-0.5-20181218	440-228226-37	FD22	12/18/2018	Soil	Stage 2B													X			X					X
44357	4402282262	RISB-5-0.5-20181218	440-228226-37	FD22	12/18/2018	Soil	Stage 2B														X							

Table I. Sample Cross-Reference

LDC	SDG	Client ID	Lab ID	QC Type	Sample Date	Matrix	Validation Level	Anions (E300.0)	NO ₂ /NO ₃ -N (Calc)	Anions (SW9056)	Chlorate (E300.1B)	Chlorite (E300.1B)	Perchlorate (E314.0)	Phosphorus (E365.3)	Alkalinity (SM2320B)	Conductivity (SM2510B)	TDS (SM2540C)	FeII & FeIII (SM3500)	NH3 (SM4500)	DOC (SM5310B)	Sulfide (SW9034)	pH (SW9040C)	VFA (VFA-IC)	Ra-226 (E903.0)	Ra-228 (E904.0)	Isotopic Thorium (SOP 714 R14)	Isotopic Thorium (A01R)	Isotopic Uranium (DOE U-0-RC)
44357	4402282261	RISB-3-32.0-20181218	440-228226-27		12/18/2018	Soil	Stage 2B	X	X		X		X		X				X									
44357	4402282262	RISB-3-32.0-20181218	440-228226-27		12/18/2018	Soil	Stage 2B																					
44357	4402282261	RISB-4-0.5-20181218	440-228226-28		12/18/2018	Soil	Stage 2B	X	X		X		X		X				X									
44357	4402282262	RISB-4-0.5-20181218	440-228226-28		12/18/2018	Soil	Stage 2B																					
44357	4402282261	RISB-4-5.0-20181218	440-228226-29		12/18/2018	Soil	Stage 2B	X	X		X		X		X				X									
44357	4402282262	RISB-4-5.0-20181218	440-228226-29		12/18/2018	Soil	Stage 2B																					
44357	4402282261	RISB-4-10.0-20181218	440-228226-30		12/18/2018	Soil	Stage 2B	X	X		X				X				X									
44357	4402282261	RISB-4-10.0-20181218	440-228226-30		12/18/2018	Soil	Stage 4	X					X															
44357	4402282262	RISB-4-10.0-20181218	440-228226-30		12/18/2018	Soil	Stage 2B																					
44357	4402282261	RISB-4-15.0-20181218	440-228226-31		12/18/2018	Soil	Stage 2B	X	X		X		X		X				X									
44357	4402282262	RISB-4-15.0-20181218	440-228226-31		12/18/2018	Soil	Stage 2B																					
44357	4402282261	RISB-4-20.0-20181218	440-228226-32		12/18/2018	Soil	Stage 2B	X	X		X		X		X				X									
44357	4402282262	RISB-4-20.0-20181218	440-228226-32		12/18/2018	Soil	Stage 2B																					
44357	4402282261	RISB-4-25.0-20181218	440-228226-33		12/18/2018	Soil	Stage 2B	X	X		X		X		X				X									
44357	4402282262	RISB-4-25.0-20181218	440-228226-33		12/18/2018	Soil	Stage 2B																					
44357	4402282261	RISB-4-30.0-20181218	440-228226-34		12/18/2018	Soil	Stage 2B	X	X		X				X				X									
44357	4402282261	RISB-4-30.0-20181218	440-228226-34		12/18/2018	Soil	Stage 4	X					X															
44357	4402282262	RISB-4-30.0-20181218	440-228226-34		12/18/2018	Soil	Stage 2B																					
44357	4402282261	RISB-4-25.5-20181218	440-228226-35		12/18/2018	Soil	Stage 2B	X	X		X		X		X				X									
44357	4402282262	RISB-4-25.5-20181218	440-228226-35		12/18/2018	Soil	Stage 2B																					
44357	4402282261	RISB-4-27.5-20181218	440-228226-36		12/18/2018	Soil	Stage 2B	X	X		X		X		X				X									
44357	4402282262	RISB-4-27.5-20181218	440-228226-36		12/18/2018	Soil	Stage 2B																					
44357	4402282261	RISB-5-0.5-20181218	440-228226-37	FD22	12/18/2018	Soil	Stage 2B	X	X		X		X		X				X									
44357	4402282262	RISB-5-0.5-20181218	440-228226-37	FD22	12/18/2018	Soil	Stage 2B																					

Table I. Sample Cross-Reference

LDC	SDG	Client ID	Lab ID	QC Type	Sample Date	Matrix	Validation Level	VOC (SW8260B)	TCP & Dioxane (SW8260BSIM)	VOC (ETO15)	SVOC (SW8270C)	PAH (SW8270CSIM)	Chlorinated Pesticides (SW8081A)	PCB as Aroclors (SW8082)	GRO (SW8015B)	TPHE (SW8015B)	Organophosphorus Pesticides SW(8141A)	PCDD/PCDF & TEQ (SW8290)	PCB as Congeners (E1668A)	Metals (SW6010B)	Metals (SW6020A)	Mercury (SW7470A)	Mercury (SW7471A)	Metals (E200.7)	Metals (E200.8)	CrVI (E218.6)	CrVI (SW7199)	
44357	4402282261	RISB-5-0.5-20181218-FD	440-228226-38	FD22	12/18/2018	Soil	Stage 2B													X			X				X	
44357	4402282262	RISB-5-0.5-20181218-FD	440-228226-38	FD22	12/18/2018	Soil	Stage 2B															X						
44357	4402282261	RISB-5-5.0-20181218	440-228226-39		12/18/2018	Soil	Stage 2B													X			X				X	
44357	4402282261	RISB-5-5.0-20181218	440-228226-39		12/18/2018	Soil	Stage 4																					
44357	4402282262	RISB-5-5.0-20181218	440-228226-39		12/18/2018	Soil	Stage 2B														X							
44357	4402282261	RISB-5-10.0-20181218	440-228226-40		12/18/2018	Soil	Stage 2B													X			X				X	
44357	4402282262	RISB-5-10.0-20181218	440-228226-40		12/18/2018	Soil	Stage 2B														X							
44357	4402282261	RISB-5-15.0-20181218	440-228226-41		12/18/2018	Soil	Stage 2B													X			X				X	
44357	4402282262	RISB-5-15.0-20181218	440-228226-41		12/18/2018	Soil	Stage 2B														X							
44357	4402282261	RISB-5-20.0-20181218	440-228226-42		12/18/2018	Soil	Stage 2B													X			X				X	
44357	4402282262	RISB-5-20.0-20181218	440-228226-42		12/18/2018	Soil	Stage 2B														X							
44357	4402282261	RISB-5-25.0-20181218	440-228226-43		12/18/2018	Soil	Stage 2B													X			X				X	
44357	4402282261	RISB-5-25.0-20181218	440-228226-43		12/18/2018	Soil	Stage 4																					
44357	4402282262	RISB-5-25.0-20181218	440-228226-43		12/18/2018	Soil	Stage 2B														X							
44357	4402282261	RISB-5-23.0-20181218	440-228226-44	FD23	12/18/2018	Soil	Stage 2B													X			X				X	
44357	4402282262	RISB-5-23.0-20181218	440-228226-44	FD23	12/18/2018	Soil	Stage 2B														X							
44357	4402282261	RISB-5-23.0-20181218-FD	440-228226-45	FD23	12/18/2018	Soil	Stage 2B													X			X				X	
44357	4402282262	RISB-5-23.0-20181218-FD	440-228226-45	FD23	12/18/2018	Soil	Stage 2B														X							
44357	4402283161	GGW-RISB-1-35.5-20181219-TB	440-228316-1	TB	12/19/2018	Water	Stage 2A	X																				
44357	4402283161	GGW-RISB-1-35.5-20181219	440-228316-2		12/19/2018	Water	Stage 2A													X		X					X	
44357	4402283162	GGW-RISB-1-35.5-20181219	440-228316-2		12/19/2018	Water	Stage 2A														X							
44357	4402283161	GGW-RISB-2-35.5-20181219	440-228316-3		12/19/2018	Water	Stage 2A													X		X					X	
44357	4402283162	GGW-RISB-2-35.5-20181219	440-228316-3		12/19/2018	Water	Stage 2A														X							
44357	4402283161	GGW-RISB-3-35.5-20181219	440-228316-4		12/19/2018	Water	Stage 2A													X		X					X	

Table I. Sample Cross-Reference

LDC	SDG	Client ID	Lab ID	QC Type	Sample Date	Matrix	Validation Level	Anions (E300.0)	NO ₂ /NO ₃ -N (Calc)	Anions (SW9056)	Chlorate (E300.1B)	Chlorite (E300.1B)	Perchlorate (E314.0)	Phosphorus (E365.3)	Alkalinity (SM2320B)	Conductivity (SM2510B)	TDS (SM2540C)	FeII & FeIII (SM3500)	NH3 (SM4500)	DOC (SM5310B)	Sulfide (SW9034)	pH (SW9040C)	VFA (VFA-1C)	Ra-226 (E903.0)	Ra-228 (E904.0)	Isotopic Thorium (SOP 714 R14)	Isotopic Thorium (A01R)	Isotopic Uranium (DOE U-0-RC)
44357	4402282261	RISB-5-0.5-20181218-FD	440-228226-38	FD22	12/18/2018	Soil	Stage 2B	X	X		X		X		X				X									
44357	4402282262	RISB-5-0.5-20181218-FD	440-228226-38	FD22	12/18/2018	Soil	Stage 2B																					
44357	4402282261	RISB-5-5.0-20181218	440-228226-39		12/18/2018	Soil	Stage 2B	X	X		X				X				X									
44357	4402282261	RISB-5-5.0-20181218	440-228226-39		12/18/2018	Soil	Stage 4	X					X															
44357	4402282262	RISB-5-5.0-20181218	440-228226-39		12/18/2018	Soil	Stage 2B																					
44357	4402282261	RISB-5-10.0-20181218	440-228226-40		12/18/2018	Soil	Stage 2B	X	X		X		X		X				X									
44357	4402282262	RISB-5-10.0-20181218	440-228226-40		12/18/2018	Soil	Stage 2B																					
44357	4402282261	RISB-5-15.0-20181218	440-228226-41		12/18/2018	Soil	Stage 2B	X	X		X		X		X				X									
44357	4402282262	RISB-5-15.0-20181218	440-228226-41		12/18/2018	Soil	Stage 2B																					
44357	4402282261	RISB-5-20.0-20181218	440-228226-42		12/18/2018	Soil	Stage 2B	X	X		X		X		X				X									
44357	4402282262	RISB-5-20.0-20181218	440-228226-42		12/18/2018	Soil	Stage 2B																					
44357	4402282261	RISB-5-25.0-20181218	440-228226-43		12/18/2018	Soil	Stage 2B	X	X		X				X				X									
44357	4402282261	RISB-5-25.0-20181218	440-228226-43		12/18/2018	Soil	Stage 4	X					X															
44357	4402282262	RISB-5-25.0-20181218	440-228226-43		12/18/2018	Soil	Stage 2B																					
44357	4402282261	RISB-5-23.0-20181218	440-228226-44	FD23	12/18/2018	Soil	Stage 2B	X	X		X		X		X				X									
44357	4402282262	RISB-5-23.0-20181218	440-228226-44	FD23	12/18/2018	Soil	Stage 2B																					
44357	4402282261	RISB-5-23.0-20181218-FD	440-228226-45	FD23	12/18/2018	Soil	Stage 2B	X	X		X		X		X				X									
44357	4402282262	RISB-5-23.0-20181218-FD	440-228226-45	FD23	12/18/2018	Soil	Stage 2B																					
44357	4402283161	GGW-RISB-1-35.5-20181219-TB	440-228316-1	TB	12/19/2018	Water	Stage 2A																					
44357	4402283161	GGW-RISB-1-35.5-20181219	440-228316-2		12/19/2018	Water	Stage 2A	X	X		X		X	X	X				X									
44357	4402283162	GGW-RISB-1-35.5-20181219	440-228316-2		12/19/2018	Water	Stage 2A																					
44357	4402283161	GGW-RISB-2-35.5-20181219	440-228316-3		12/19/2018	Water	Stage 2A	X	X		X		X	X	X				X									
44357	4402283162	GGW-RISB-2-35.5-20181219	440-228316-3		12/19/2018	Water	Stage 2A																					
44357	4402283161	GGW-RISB-3-35.5-20181219	440-228316-4		12/19/2018	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 (SW8260B)	TCP & Dioxane (SW8260BSIM)	VOC (ETO15)	SVOC (SW8270C)	PAH (SW8270CSIM)	Chlorinated Pesticides (SW8081A)	PCB as Aroclors (SW8082)	GRO (SW8015B)	TPHE (SW8015B)	Organophosphorus Pesticides SW(8141A)	PCDD/PCDF & TEQ (SW8290)	PCB as Congeners (E1668A)	Metals (SW6010B)	Metals (SW6020A)	Mercury (SW7470A)	Mercury (SW7471A)	Metals (E200.7)	Metals (E200.8)	CrVI (E218.6)	CrVI (SW7199)
44357	4402283162	GGW-RISB-3-35.5-20181219	440-228316-4		12/19/2018	Water	Stage 2A														X						
44357	4402283161	GGW-RISB-4-35.5-20181219	440-228316-5		12/19/2018	Water	Stage 2A													X		X					X
44357	4402283162	GGW-RISB-4-35.5-20181219	440-228316-5		12/19/2018	Water	Stage 2A														X						
44357	4402283161	GGW-RISB-5-35.5-20181219	440-228316-6		12/19/2018	Water	Stage 2A													X		X					X
44357	4402283162	GGW-RISB-5-35.5-20181219	440-228316-6		12/19/2018	Water	Stage 2A														X						
44460	4402296191	M-39R-20190109	440-229619-1		1/9/2019	Water	Stage 2A																	X			
44460	4402296191	M-267-20190109	440-229619-2		1/9/2019	Water	Stage 2A																	X			
44707	4402298081	M-268-20190110	440-229808-1		1/10/2019	Water	Stage 2A																	X			
44707	4402337791	M-159-20190215	440-233779-1		2/15/2019	Water	Stage 2A	X	X					X							X			X	X	X	
44707	4402337791	M-160-20190215	440-233779-2		2/15/2019	Water	Stage 2A	X	X					X							X			X	X	X	
44707	4402337791	M-269-20190215	440-233779-3		2/15/2019	Water	Stage 2A	X	X					X							X			X	X	X	
44707	4402337791	20190215-TB	440-233779-4	TB	2/15/2019	Water	Stage 2A	X	X																		
44707	4402343381	M-270-20190221_TB	440-234338-1	TB	2/21/2019	Water	Stage 2A	X	X																		
44707	4402343381	M-270-20190221	440-234338-2	FD24	2/21/2019	Water	Stage 2A	X	X					X							X			X	X	X	
44707	4402343381	M-270-20190221_FD	440-234338-3	FD24	2/21/2019	Water	Stage 2A	X	X					X							X			X	X	X	
44707	4402343381	M-271-20190221	440-234338-4		2/21/2019	Water	Stage 2A	X	X					X							X			X	X	X	
44707	4402343381	M-271-20190221_EB	440-234338-5	EB	2/21/2019	Water	Stage 2A	X	X					X							X			X	X	X	
44707	4402343381	M-271-20190221_TB	440-234338-6	TB	2/21/2019	Water	Stage 2A	X	X																		
44708	4402359771	M-269-20190311	440-235977-1		3/11/2019	Water	Stage 2A	X	X					X							X			X	X	X	
44708	4402359771	TRIP BLANK-20190311	440-235977-2	TB	3/11/2019	Water	Stage 2A	X																			
44708	4402360911	M-270-20190312	440-236091-1		3/12/2019	Water	Stage 2A	X	X					X							X			X	X	X	
44708	4402360911	M-270-20190312-TB	440-236091-2	TB	3/12/2019	Water	Stage 2A	X	X																		
44708	4402360911	M-271-20190312	440-236091-3		3/12/2019	Water	Stage 2A	X	X					X							X			X	X	X	
44708	4402360911	M-160-20190312	440-236091-4		3/12/2019	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	Anions (E300.0)	NO ₂ /NO ₃ -N (Calc)	Anions (SW9056)	Chlorate (E300.1B)	Chlorite (E300.1B)	Perchlorate (E314.0)	Phosphorus (E365.3)	Alkalinity (SM2320B)	Conductivity (SM2510B)	TDS (SM2540C)	FeII & FeIII (SM3500)	NH3 (SM4500)	DOC (SM5310B)	Sulfide (SW9034)	pH (SW9040C)	VFA (VFA-IC)	Ra-226 (E903.0)	Ra-228 (E904.0)	Isotopic Thorium (SOP 714 R14)	Isotopic Thorium (A01R)	Isotopic Uranium (DOE U-0-RC)	
44357	4402283162	GGW-RISB-3-35.5-20181219	440-228316-4		12/19/2018	Water	Stage 2A																						
44357	4402283161	GGW-RISB-4-35.5-20181219	440-228316-5		12/19/2018	Water	Stage 2A	X	X		X		X	X	X				X										
44357	4402283162	GGW-RISB-4-35.5-20181219	440-228316-5		12/19/2018	Water	Stage 2A																						
44357	4402283161	GGW-RISB-5-35.5-20181219	440-228316-6		12/19/2018	Water	Stage 2A	X	X		X		X	X	X				X										
44357	4402283162	GGW-RISB-5-35.5-20181219	440-228316-6		12/19/2018	Water	Stage 2A																						
44460	4402296191	M-39R-20190109	440-229619-1		1/9/2019	Water	Stage 2A	X	X		X		X		X	X	X				X								
44460	4402296191	M-267-20190109	440-229619-2		1/9/2019	Water	Stage 2A	X	X		X		X		X	X	X				X								
44707	4402298081	M-268-20190110	440-229808-1		1/10/2019	Water	Stage 2A	X	X		X		X		X														
44707	4402337791	M-159-20190215	440-233779-1		2/15/2019	Water	Stage 2A	X	X		X		X		X	X	X				X	X							
44707	4402337791	M-160-20190215	440-233779-2		2/15/2019	Water	Stage 2A	X	X		X		X		X	X	X				X	X							
44707	4402337791	M-269-20190215	440-233779-3		2/15/2019	Water	Stage 2A	X	X		X		X		X	X	X				X	X							
44707	4402337791	20190215-TB	440-233779-4	TB	2/15/2019	Water	Stage 2A																						
44707	4402343381	M-270-20190221_TB	440-234338-1	TB	2/21/2019	Water	Stage 2A																						
44707	4402343381	M-270-20190221	440-234338-2	FD24	2/21/2019	Water	Stage 2A	X	X		X		X		X	X	X				X	X							
44707	4402343381	M-270-20190221_FD	440-234338-3	FD24	2/21/2019	Water	Stage 2A	X	X		X		X		X	X	X				X	X							
44707	4402343381	M-271-20190221	440-234338-4		2/21/2019	Water	Stage 2A	X	X		X		X		X	X	X				X	X							
44707	4402343381	M-271-20190221_EB	440-234338-5	EB	2/21/2019	Water	Stage 2A	X	X		X		X		X	X	X				X	X							
44707	4402343381	M-271-20190221_TB	440-234338-6	TB	2/21/2019	Water	Stage 2A																						
44708	4402359771	M-269-20190311	440-235977-1		3/11/2019	Water	Stage 2A	X	X		X		X		X	X	X				X	X							
44708	4402359771	TRIP BLANK-20190311	440-235977-2	TB	3/11/2019	Water	Stage 2A																						
44708	4402360911	M-270-20190312	440-236091-1		3/12/2019	Water	Stage 2A	X	X		X		X		X	X	X				X	X							
44708	4402360911	M-270-20190312-TB	440-236091-2	TB	3/12/2019	Water	Stage 2A																						
44708	4402360911	M-271-20190312	440-236091-3		3/12/2019	Water	Stage 2A	X	X		X		X		X	X	X				X								
44708	4402360911	M-160-20190312	440-236091-4		3/12/2019	Water	Stage 2A	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 (SW8260B)	TCP & Dioxane (SW8260BSIM)	VOC (ETO15)	SVOC (SW8270C)	PAH (SW8270CSIM)	Chlorinated Pesticides (SW8081A)	PCB as Aroclors (SW8082)	GRO (SW8015B)	TPHE (SW8015B)	Organophosphorus Pesticides SW(8141A)	PCDD/PCDF & TEQ (SW8290)	PCB as Congeners (E1668A)	Metals (SW6010B)	Metals (SW6020A)	Mercury (SW7470A)	Mercury (SW7471A)	Metals (E200.7)	Metals (E200.8)	CrVI (E218.6)	CrVI (SW7199)
44708	4402360911	M-159-20190312	440-236091-5		3/12/2019	Water	Stage 2A	X	X					X							X			X	X	X	
44708	4402362141	M-260-20190313	440-236214-1		3/13/2019	Water	Stage 2A	X	X					X							X			X	X	X	
44708	4402362141	M-260-20190313-TB	440-236214-2	TB	3/13/2019	Water	Stage 2A	X	X																		
44708	4402362141	M-261-20190313	440-236214-3		3/13/2019	Water	Stage 2A	X	X					X							X			X	X	X	
44708	4402362171	MC-29-20190313-TB	440-236217-1	TB	3/13/2019	Water	Stage 2A	X	X																		
44708	4402362171	MC-29-20190313	440-236217-2		3/13/2019	Water	Stage 2A	X	X																		
44708	4402362171	MC-97-20190313	440-236217-3		3/13/2019	Water	Stage 2A	X	X																		
44708	4402362171	MC-111-20190313	440-236217-4		3/13/2019	Water	Stage 2A	X	X																		
44708	4402362171	MC-94-20190313	440-236217-5	FD25	3/13/2019	Water	Stage 2A	X	X																		
44708	4402362171	MC-94-20190313-FD	440-236217-6	FD25	3/13/2019	Water	Stage 2A	X	X																		
44708	4402362171	MC-09R-20190313	440-236217-7		3/13/2019	Water	Stage 2A	X	X																		
44708	4402363241	M-262-20190314-TB	440-236324-1	TB	3/14/2019	Water	Stage 2A	X	X																		
44708	4402363241	M-262-20190314	440-236324-2	FD26	3/14/2019	Water	Stage 2A	X	X					X							X			X	X	X	
44708	4402363241	M-262-20190314-FD	440-236324-3	FD26	3/14/2019	Water	Stage 2A	X	X					X							X			X	X	X	
44708	4402363241	M-263-20190314	440-236324-4		3/14/2019	Water	Stage 2A	X	X					X							X			X	X	X	
44708	4402363241	M-267-20190314	440-236324-5		3/14/2019	Water	Stage 2A	X	X					X							X			X	X	X	
44708	4402363241	M-268-20190314	440-236324-6		3/14/2019	Water	Stage 2A	X	X					X							X			X	X	X	
44708	4402363241	M-264-20190314	440-236324-7		3/14/2019	Water	Stage 2A	X	X					X							X			X	X	X	
44708	4402363941	M-265-20190315	440-236394-1		3/15/2019	Water	Stage 2A	X	X					X							X			X	X	X	
44708	4402363941	M-266-20190315	440-236394-3		3/15/2019	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	Anions (E300.0)	NO ₂ /NO ₃ -N (Calc)	Anions (SW9056)	Chlorate (E300.1B)	Chlorite (E300.1B)	Perchlorate (E314.0)	Phosphorus (E365.3)	Alkalinity (SM2320B)	Conductivity (SM2510B)	TDS (SM2540C)	FeII & FeIII (SM3500)	NH3 (SM4500)	DOC (SM5310B)	Sulfide (SW9034)	pH (SW9040C)	VFA (VFA-1C)	Ra-226 (E903.0)	Ra-228 (E904.0)	Isotopic Thorium (SOP 714 R14)	Isotopic Thorium (A01R)	Isotopic Uranium (DOE U-0-RC)
44708	4402360911	M-159-20190312	440-236091-5		3/12/2019	Water	Stage 2A	X	X		X		X		X	X	X			X	X							
44708	4402362141	M-260-20190313	440-236214-1		3/13/2019	Water	Stage 2A	X	X		X		X		X	X	X			X	X							
44708	4402362141	M-260-20190313-TB	440-236214-2	TB	3/13/2019	Water	Stage 2A																					
44708	4402362141	M-261-20190313	440-236214-3		3/13/2019	Water	Stage 2A	X	X		X		X		X	X	X			X	X							
44708	4402362171	MC-29-20190313-TB	440-236217-1	TB	3/13/2019	Water	Stage 2A																					
44708	4402362171	MC-29-20190313	440-236217-2		3/13/2019	Water	Stage 2A																					
44708	4402362171	MC-97-20190313	440-236217-3		3/13/2019	Water	Stage 2A																					
44708	4402362171	MC-111-20190313	440-236217-4		3/13/2019	Water	Stage 2A																					
44708	4402362171	MC-94-20190313	440-236217-5	FD25	3/13/2019	Water	Stage 2A																					
44708	4402362171	MC-94-20190313-FD	440-236217-6	FD25	3/13/2019	Water	Stage 2A																					
44708	4402362171	MC-09R-20190313	440-236217-7		3/13/2019	Water	Stage 2A																					
44708	4402363241	M-262-20190314-TB	440-236324-1	TB	3/14/2019	Water	Stage 2A																					
44708	4402363241	M-262-20190314	440-236324-2	FD26	3/14/2019	Water	Stage 2A	X	X		X		X		X	X	X			X	X							
44708	4402363241	M-262-20190314-FD	440-236324-3	FD26	3/14/2019	Water	Stage 2A	X	X		X		X		X	X	X			X	X							
44708	4402363241	M-263-20190314	440-236324-4		3/14/2019	Water	Stage 2A	X	X		X		X		X	X	X			X	X							
44708	4402363241	M-267-20190314	440-236324-5		3/14/2019	Water	Stage 2A	X	X		X		X		X	X	X			X	X							
44708	4402363241	M-268-20190314	440-236324-6		3/14/2019	Water	Stage 2A	X	X		X		X		X	X	X			X	X							
44708	4402363241	M-264-20190314	440-236324-7		3/14/2019	Water	Stage 2A	X	X		X		X		X	X	X			X	X							
44708	4402363941	M-265-20190315	440-236394-1		3/15/2019	Water	Stage 2A	X	X		X		X		X	X	X			X	X							
44708	4402363941	M-266-20190315	440-236394-3		3/15/2019	Water	Stage 2A	X	X		X		X		X	X	X			X	X							

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

Quality Control Elements	Stage 2A					
	GC/MS ¹	GC ²	HR GC/MS ³	Metals	Wet Chemistry	Rad ⁴
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) ⁵	√	√	√	√	√	√
Multiple Results for One Sample	√	√	√	√	√	√
Target Compound Identification	-	-	-	-	-	-
Compound Quantitation/ Sample Result Verification	-	-	-	-	-	-
System Performance ⁶	-	-	-	-	-	-
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

¹GC/MS = VOCs, SVOCs, and PAHs

²GC = Chlorinated and Organophosphorus Pesticides, PCBs as Aroclor, GRO and TPHE

³HR GC/MS = PCDD/PCDFs and PCBs as Congeners

⁴Rad = Radium-226, Radium-228, Isotopic Thorium and Isotopic Uranium

⁵PQLs verified for GC/MS, GC, Metals, and Wet Chemistry methods. For HR GC/MS, Estimated Detection Limits (EDLs) and for Rad, Minimum Detectable Concentration (MDC).

⁶System 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 ¹	GC ²	HR GC/MS ³	Metals	Wet Chemistry	Rad ⁴
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) ⁵	√	√	√	√	√	√
Multiple Results for One Sample	√	√	√	√	√	√
Target Compound Identification	-	-	-	-	-	-
Compound Quantitation/ Sample Result Verification	-	-	-	-	-	-
System Performance ⁶	-	-	-	-	-	-
Overall Data Usability Assessment	√	√	√	√	√	√

√ = Reviewed for Stage 2B review

N/A = Not applicable to method or not performed during this sampling event

- = Not applicable for Stage 2B review

¹GC/MS = VOCs, SVOCs, and PAHs

²GC = Chlorinated and Organophosphorus Pesticides, PCBs as Aroclor, GRO and TPHE

³HR GC/MS = PCDD/PCDFs and PCBs as Congeners

⁴Rad = Radium-226, Radium-228, Isotopic Thorium and Isotopic Uranium

⁵PQLs verified for GC/MS, GC, Metals, and Wet Chemistry methods. For HR GC/MS, Estimated Detection Limits (EDLs) and for Rad, Minimum Detectable Concentration (MDC).

⁶System 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 ¹	GC ²	HR GC/MS ³	Metals	Wet Chemistry	Rad ⁴
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) ⁵	√	√	√	√	√	√
Multiple Results for One Sample	√	√	√	√	√	√
Target Compound Identification	√	√	√	N/A	N/A	N/A
Compound Quantitation/ Sample Result Verification	√	√	√	√	√	√
System Performance ⁶	√	√	√	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

¹GC/MS = VOCs, SVOCs, and PAHs

²GC = Chlorinated and Organophosphorus Pesticides, PCBs as Aroclor, GRO and TPHE

³HR GC/MS = PCDD/PCDFs and PCBs as Congeners

⁴Rad = Radium-226, Radium-228, Isotopic Thorium and Isotopic Uranium

⁵PQLs verified for GC/MS, GC, Metals, and Wet Chemistry methods. For HR GC/MS, Estimated Detection Limits (EDLs) and for Rad, Minimum Detectable Concentration (MDC).

⁶System 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	Number of Samples				Validation Percentage		
	(Water ¹) Stage 2A	(Air ² /Soil) Stage 2B	(Air/Soil) Stage 4	(Soil) Total	(Water) Stage 2A (%)	(Air/Soil) Stage 2B (%)	(Air/Soil) Stage 4 (%)
VOC (8260B)	75	110	28	138	100	80	20
1,2,3-Trichloropropane & 1,4-Dioxane (8260B-SIM)	60	-	-	-	100	82	18
VOC (TO-15)	-	56	12	68	-	77	23
SVOC	-	23	7	30	-	77	23
PAH	-	23	7	30	-	77	23
Chlorinated Pesticides	-	23	7	30	-	77	23
PCB as Aroclors	26	8	7	15	100	53	47
GRO	-	11	4	15	-	77	23
TPHE	-	11	4	15	-	77	23
Organophosphorus Pesticides	-	13	2	15	-	87	13
Dioxins and Furans	4	23	7	30	100	77	23
PCB as Congeners	-	13	2	15	-	87	13
Metals (200.7)	60	-	-	-	100	-	-
Arsenic (200.8)	44	-	-	-	100	-	-
Metals (6010B)	5	139	34	173	100	80	20
Metals (6020A)	31	65	9	74	100	88	12
Mercury (7470A)	5	-	-	-	100	-	-
Mercury (7471A)	-	61	13	74	-	82	18
Alkalinity	65	38	6	44	100	86	14
Ammonia	5	53	6	59	100	90	10
Anions (300.0)	65	84	11	95	100	88	12
Nitrate Nitrite as N (Calc)	46	84	26	110	100	76	24
Anions (9056)	-	55	28	83	-	66	34
Chlorate	65	139	34	173	100	80	20
Chlorite	-	13	2	15	-	87	13
Conductivity	52	-	-	-	100	-	-
Hexavalent Chromium (218.6)	50	-	-	-	100	-	-
Hexavalent Chromium (7199)	5	61	13	74	100	82	18
DOC	51	-	-	-	100	-	-
Ferric and Ferrous Iron	6	-	-	-	100	-	-
Perchlorate	65	154	19	173	100	89	11
pH	28	-	-	-	100	-	-
Sulfide	50	-	-	-	100	-	-
TDS	59	-	-	-	100	-	-
Total Phosphorus	24	-	-	-	100	-	-
VFA	-	13	2	15	-	87	13
Radium-226 & Radium-228	-	23	7	30	-	77	23
Isotopic Thorium (A01R)	-	8	7	15	-	53	47
Isotopic Thorium (714R14)	-	6	9	15	-	40	60

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

Parameter	Number of Samples				Validation Percentage		
	(Water ¹) Stage 2A	(Air ² /Soil) Stage 2B	(Air/Soil) Stage 4	(Soil) Total	(Water) Stage 2A (%)	(Air/Soil) Stage 2B (%)	(Air/Soil) Stage 4 (%)
Isotopic Uranium	-	13	2	15	-	87	13

Notes:

1. Consistent with NDEP guidance emailed on March 7, 2017, all water results have been validated to Stage 2A.
2. Air samples were collected and analyzed for EPA Method TO-15.

Table IV. Reason Codes and Definitions

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

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte ¹	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator ²	Qualification Finding	Acceptance Criteria
4402074651	PCDB-6-10.0-20180328	3/28/2018	SW8260	75-71-8	Dichlorodifluoromethane		U	0.00096	0.0019	mg/kg	UJ	c	ICV %D	28.2	20 %
4402074651	PCDB-6-20.0-20180328	3/28/2018	SW8260	75-71-8	Dichlorodifluoromethane		U	0.00098	0.0020	mg/kg	UJ	c	ICV %D	28.2	20 %
4402074651	PCDB-6-30.0-20180328	3/28/2018	SW8260	106-46-7	1,4-Dichlorobenzene	0.00065	J	0.00044	0.00087	mg/kg	J	sp	< PQL		
4402074651	PCDB-6-30.0-20180328	3/28/2018	SW8260	120-82-1	1,2,4-Trichlorobenzene	0.00092	J	0.00087	0.0044	mg/kg	J+	c,sp	ICV %D	26.3	20 %
4402074651	PCDB-6-30.0-20180328	3/28/2018	SW8260	95-50-1	1,2-Dichlorobenzene	0.00058	J	0.00044	0.00087	mg/kg	J	sp	< PQL		
4402074651	PCDB-6-30.0-20180328	3/28/2018	SW8260	75-71-8	Dichlorodifluoromethane		U	0.00087	0.0017	mg/kg	UJ	c	ICV %D	28.2	20 %
4402074651	PCDB-6-40.0-20180328	3/28/2018	SW8260	75-71-8	Dichlorodifluoromethane		U	0.0012	0.0024	mg/kg	UJ	c	ICV %D	28.2	20 %
4402074651	PCDB-6-40.0-20180328	3/28/2018	SW8260	120-82-1	1,2,4-Trichlorobenzene	0.0018	J	0.0012	0.0061	mg/kg	J+	c,sp	ICV %D	26.3	20 %
4402074651	PCDB-6-5.0-20180328	3/28/2018	SW8260	75-71-8	Dichlorodifluoromethane		U	0.00097	0.0019	mg/kg	UJ	c	ICV %D	28.2	20 %
4402074651	PCDB-6-5.0-20180328	3/28/2018	SW8260	120-82-1	1,2,4-Trichlorobenzene	0.0067		0.0012	0.0061	mg/kg	J+	c	ICV %D	26.3	20 %
4402074651	PCDB-6-50.0-20180328	3/28/2018	SW8260	75-71-8	Dichlorodifluoromethane		U	0.0012	0.0024	mg/kg	UJ	c	ICV %D	28.2	20 %
4402074651	PCDB-6-50.0-20180328	3/28/2018	SW8260	87-61-6	1,2,3-Trichlorobenzene	0.0015	J	0.0012	0.0024	mg/kg	J+	c,sp	ICV %D	24.3	20 %
4402074651	PCDB-6-50.0-20180328	3/28/2018	SW8260	79-01-6	Trichloroethene	0.00069	J	0.00061	0.0012	mg/kg	J	sp	< PQL		
4402074651	PCDB-6-60.0-20180328	3/28/2018	SW8260	75-71-8	Dichlorodifluoromethane		U	0.0014	0.0028	mg/kg	UJ	c	ICV %D	28.2	20 %
4402074651	PCDB-6-70.0-20180328	3/28/2018	SW8260	75-71-8	Dichlorodifluoromethane		U	0.0017	0.0034	mg/kg	UJ	c	ICV %D	28.2	20 %
4402074651	PCDB-6-70.0-20180328-FD	3/28/2018	SW8260	75-71-8	Dichlorodifluoromethane		U	0.0017	0.0034	mg/kg	UJ	c	ICV %D	28.2	20 %
4402074651	PCDB-6-80.0-20180328	3/28/2018	SW8260	75-71-8	Dichlorodifluoromethane		U	0.0018	0.0035	mg/kg	UJ	c	ICV %D	28.2	20 %
4402074651	PCDB-6-90.0-20180328	3/28/2018	SW8260	75-71-8	Dichlorodifluoromethane		U	0.0013	0.0026	mg/kg	UJ	c	ICV %D	28.2	20 %
4402075141	MC-65R2-20180329	3/29/2018	SW8260	127-18-4	Tetrachloroethene	0.48	J	0.25	0.50	ug/l	J	sp	< PQL		
4402075141	MC-MW-37R2-20180329	3/29/2018	SW8260	107-06-2	1,2-Dichloroethane	0.38	J	0.25	0.50	ug/l	J	sp	< PQL		
4402075141	MC-MW-37R2-20180329	3/29/2018	SW8260	127-18-4	Tetrachloroethene	0.43	J	0.25	0.50	ug/l	J	sp	< PQL		
4402075141	MC-MW-37R2-20180329	3/29/2018	SW8260	79-01-6	Trichloroethene	0.28	J	0.25	0.50	ug/l	J	sp	< PQL		
4402075141	PC-170R-20180329	3/29/2018	SW8260	67-66-3	Chloroform	0.26	J	0.25	0.50	ug/l	J	sp	< PQL		
4402075141	PC-170R-20180329-TB	3/29/2018	SW8260	75-09-2	Methylene Chloride	0.89	J	0.88	2.0	ug/l	J	sp	< PQL		
4402075141	PC-170R-20180329-TB	3/29/2018	SW8260	91-20-3	Naphthalene	0.40	J	0.40	1.0	ug/l	J	sp	< PQL		
4402075141	PC-187R-20180329	3/29/2018	SW8260	75-27-4	Bromodichloromethane	1.5	J	1.3	2.5	ug/l	J	sp	< PQL		
4402075141	PC-40R-20180329	3/29/2018	SW8260	156-59-2	cis-1,2-Dichloroethene	0.39	J	0.25	0.50	ug/l	J	sp	< PQL		
4402088641	M-224R-20180413	4/13/2018	SW8260	541-73-1	1,3-Dichlorobenzene	160	J	130	250	ug/l	J	sp	< PQL		
4402088641	M-227R-20180413	4/13/2018	SW8260	541-73-1	1,3-Dichlorobenzene	20	J	13	25	ug/l	J	sp	< PQL		
4402088641	M-228R-20180413	4/13/2018	SW8260	120-82-1	1,2,4-Trichlorobenzene	40	J	40	100	ug/l	J	sp	< PQL		
4402207711	RISB-EJ-02-1.0-20180924	9/24/2018	SW8260	75-71-8	Dichlorodifluoromethane		U	0.00078	0.0016	mg/kg	UJ	c	ICV %D	25.8	20 %
4402207711	RISB-EJ-02-1.0-20180924	9/24/2018	SW8260	96-12-8	1,2-Dibromo-3-chloropropane		U	0.0016	0.0039	mg/kg	UJ	c	CCV %D	20.6	20 %
4402207711	RISB-EJ-02-1.0-20180924	9/24/2018	SW8260	591-78-6	2-Hexanone		U	0.0039	0.0078	mg/kg	UJ	c	CCV %D	28.8	20 %
4402207711	RISB-EJ-02-1.0-20180924	9/24/2018	SW8260	637-92-3	Ethyl tert-butyl ether		U	0.00078	0.0016	mg/kg	UJ	c	CCV %D	24.0	20 %
4402207711	RISB-EJ-02-1.0-20180924	9/24/2018	SW8260	108-10-1	4-Methyl-2-pentanone		U	0.0019	0.0039	mg/kg	UJ	c	CCV %D	24.3	20 %
4402207711	RISB-EJ-02-1.0-20180924	9/24/2018	SW8260	67-64-1	Acetone		U	0.0062	0.016	mg/kg	UJ	c	CCV %D	30.7	20 %
4402207711	RISB-EJ-02-10.0-20180924	9/24/2018	SW8260	96-12-8	1,2-Dibromo-3-chloropropane		U	0.0017	0.0044	mg/kg	UJ	c	CCV %D	20.6	20 %
4402207711	RISB-EJ-02-10.0-20180924	9/24/2018	SW8260	75-71-8	Dichlorodifluoromethane		U	0.00087	0.0017	mg/kg	UJ	c	ICV %D	25.8	20 %
4402207711	RISB-EJ-02-10.0-20180924	9/24/2018	SW8260	67-64-1	Acetone		U	0.0070	0.017	mg/kg	UJ	c	CCV %D	30.7	20 %
4402207711	RISB-EJ-02-10.0-20180924	9/24/2018	SW8260	108-10-1	4-Methyl-2-pentanone		U	0.0022	0.0044	mg/kg	UJ	c	CCV %D	24.3	20 %
4402207711	RISB-EJ-02-10.0-20180924	9/24/2018	SW8260	637-92-3	Ethyl tert-butyl ether		U	0.00087	0.0017	mg/kg	UJ	c	CCV %D	24.0	20 %
4402207711	RISB-EJ-02-10.0-20180924	9/24/2018	SW8260	591-78-6	2-Hexanone		U	0.0044	0.0087	mg/kg	UJ	c	CCV %D	28.8	20 %
4402207711	RISB-ER-02-1.0-20180924	9/24/2018	SW8260	637-92-3	Ethyl tert-butyl ether		U	0.00083	0.0017	mg/kg	UJ	c	CCV %D	24.0	20 %
4402207711	RISB-ER-02-1.0-20180924	9/24/2018	SW8260	108-10-1	4-Methyl-2-pentanone		U	0.0021	0.0042	mg/kg	UJ	c	CCV %D	24.3	20 %
4402207711	RISB-ER-02-1.0-20180924	9/24/2018	SW8260	591-78-6	2-Hexanone		U	0.0042	0.0083	mg/kg	UJ	c	CCV %D	28.8	20 %
4402207711	RISB-ER-02-1.0-20180924	9/24/2018	SW8260	96-12-8	1,2-Dibromo-3-chloropropane		U	0.0017	0.0042	mg/kg	UJ	c	CCV %D	20.6	20 %
4402207711	RISB-ER-02-1.0-20180924	9/24/2018	SW8260	67-64-1	Acetone		U	0.0067	0.017	mg/kg	UJ	c	CCV %D	30.7	20 %
4402207711	RISB-ER-02-1.0-20180924	9/24/2018	SW8260	75-71-8	Dichlorodifluoromethane		U	0.00083	0.0017	mg/kg	UJ	c	ICV %D	25.8	20 %
4402207711	RISB-ER-02-1.0-20180924-TB	9/24/2018	SW8260	75-09-2	Methylene Chloride	1.8	JB	0.88	2.0	ug/l	J	bl,sp	MB contamination	1.04	2.08 ug/L
4402207711	RISB-ER-02-10.0-20180924	9/24/2018	SW8260	108-10-1	4-Methyl-2-pentanone		U	0.0026	0.0052	mg/kg	UJ	c	CCV %D	24.3	20 %
4402207711	RISB-ER-02-10.0-20180924	9/24/2018	SW8260	75-71-8	Dichlorodifluoromethane		U	0.0010	0.0021	mg/kg	UJ	c	ICV %D	25.8	20 %
4402207711	RISB-ER-02-10.0-20180924	9/24/2018	SW8260	67-64-1	Acetone		U	0.0083	0.021	mg/kg	UJ	c	CCV %D	30.7	20 %
4402207711	RISB-ER-02-10.0-20180924	9/24/2018	SW8260	96-12-8	1,2-Dibromo-3-chloropropane		U	0.0021	0.0052	mg/kg	UJ	c	CCV %D	20.6	20 %
4402207711	RISB-ER-02-10.0-20180924	9/24/2018	SW8260	591-78-6	2-Hexanone		U	0.0052	0.010	mg/kg	UJ	c	CCV %D	28.8	20 %
4402207711	RISB-ER-02-10.0-20180924	9/24/2018	SW8260	120-82-1	1,2,4-Trichlorobenzene	0.0014	J	0.0010	0.0052	mg/kg	J	sp	< PQL		
4402207711	RISB-ER-02-10.0-20180924	9/24/2018	SW8260	637-92-3	Ethyl tert-butyl ether		U	0.0010	0.0021	mg/kg	UJ	c	CCV %D	24.0	20 %

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte ¹	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator ²	Qualification Finding	Acceptance Criteria
4402208431	RISB-EJ-03-1.0-20180925	9/25/2018	SW8260	96-18-4	1,2,3-Trichloropropane		U	0.00098	0.0098	mg/kg	UJ	c	CCV %D	22.2	20 %
4402208431	RISB-EJ-03-1.0-20180925-FD	9/25/2018	SW8260	96-18-4	1,2,3-Trichloropropane		U	0.0011	0.011	mg/kg	UJ	c	CCV %D	22.2	20 %
4402208431	RISB-EJ-03-10.0-20180925	9/25/2018	SW8260	96-18-4	1,2,3-Trichloropropane		U	0.0011	0.011	mg/kg	UJ	c	CCV %D	22.2	20 %
4402208431	RISB-EJ-04-1.0-20180925	9/25/2018	SW8260	96-18-4	1,2,3-Trichloropropane		U	0.0022	0.022	mg/kg	UJ	c	CCV %D	22.2	20 %
4402208431	RISB-EJ-04-10.0-20180925	9/25/2018	SW8260	96-18-4	1,2,3-Trichloropropane		U	0.00099	0.0099	mg/kg	UJ	c	CCV %D	22.2	20 %
4402208431	RISB-EJ-04-10.0-20180925	9/25/2018	SW8260	67-64-1	Acetone	0.016	J	0.0079	0.020	mg/kg	J	sp	< PQL		
4402208431	RISB-ER-01-1.0-20180925	9/25/2018	SW8260	108-88-3	Toluene	0.00049	J	0.00049	0.00098	mg/kg	J	sp	< PQL		
4402208431	RISB-ER-03-1.0-20180925	9/25/2018	SW8260	108-88-3	Toluene	0.00062	J	0.00047	0.00095	mg/kg	J	sp	< PQL		
4402209511	RISB-EJ-01-1.0-20180926	9/26/2018	SW8260	637-92-3	Ethyl tert-butyl ether		U	0.00094	0.0019	mg/kg	UJ	c	CCV %D	23.0	20 %
4402209511	RISB-EJ-01-1.0-20180926	9/26/2018	SW8260	74-87-3	Chloromethane		U	0.00094	0.0019	mg/kg	UJ	c	CCV %D	21.5	20 %
4402209511	RISB-EJ-01-1.0-20180926	9/26/2018	SW8260	108-20-3	Diisopropyl ether		U	0.00094	0.0019	mg/kg	UJ	c	CCV %D	26.8	20 %
4402209511	RISB-EJ-01-1.0-20180926	9/26/2018	SW8260	108-10-1	4-Methyl-2-pentanone		U	0.0023	0.0047	mg/kg	UJ	c	CCV %D	39.1	20 %
4402209511	RISB-EJ-01-1.0-20180926	9/26/2018	SW8260	75-71-8	Dichlorodifluoromethane		U	0.00094	0.0019	mg/kg	UJ	c	ICV %D	25.8	20 %
4402209511	RISB-EJ-01-1.0-20180926	9/26/2018	SW8260	96-12-8	1,2-Dibromo-3-chloropropane		U	0.0019	0.0047	mg/kg	UJ	c	CCV %D	22.5	20 %
4402209511	RISB-EJ-01-1.0-20180926-TB	9/26/2018	SW8260	96-12-8	1,2-Dibromo-3-chloropropane		U	0.0020	0.0050	mg/kg	UJ	c	CCV %D	22.5	20 %
4402209511	RISB-EJ-01-1.0-20180926-TB	9/26/2018	SW8260	108-10-1	4-Methyl-2-pentanone		U	0.0025	0.0050	mg/kg	UJ	c	CCV %D	39.1	20 %
4402209511	RISB-EJ-01-1.0-20180926-TB	9/26/2018	SW8260	108-20-3	Diisopropyl ether		U	0.0010	0.0020	mg/kg	UJ	c	CCV %D	26.8	20 %
4402209511	RISB-EJ-01-1.0-20180926-TB	9/26/2018	SW8260	75-71-8	Dichlorodifluoromethane		U	0.0010	0.0020	mg/kg	UJ	c	ICV %D	25.8	20 %
4402209511	RISB-EJ-01-1.0-20180926-TB	9/26/2018	SW8260	637-92-3	Ethyl tert-butyl ether		U	0.0010	0.0020	mg/kg	UJ	c	CCV %D	23.0	20 %
4402209511	RISB-EJ-01-1.0-20180926-TB	9/26/2018	SW8260	74-87-3	Chloromethane		U	0.0010	0.0020	mg/kg	UJ	c	CCV %D	21.5	20 %
4402209511	RISB-EJ-01-10.0-20180926	9/26/2018	SW8260	108-10-1	4-Methyl-2-pentanone		U	0.0025	0.0050	mg/kg	UJ	c	CCV %D	39.1	20 %
4402209511	RISB-EJ-01-10.0-20180926	9/26/2018	SW8260	108-20-3	Diisopropyl ether		U	0.0010	0.0020	mg/kg	UJ	c	CCV %D	26.8	20 %
4402209511	RISB-EJ-01-10.0-20180926	9/26/2018	SW8260	74-87-3	Chloromethane		U	0.0010	0.0020	mg/kg	UJ	c	CCV %D	21.5	20 %
4402209511	RISB-EJ-01-10.0-20180926	9/26/2018	SW8260	637-92-3	Ethyl tert-butyl ether		U	0.0010	0.0020	mg/kg	UJ	c	CCV %D	23.0	20 %
4402209511	RISB-EJ-01-10.0-20180926	9/26/2018	SW8260	75-71-8	Dichlorodifluoromethane		U	0.0010	0.0020	mg/kg	UJ	c	ICV %D	25.8	20 %
4402209511	RISB-EJ-01-10.0-20180926	9/26/2018	SW8260	96-12-8	1,2-Dibromo-3-chloropropane		U	0.0020	0.0050	mg/kg	UJ	c	CCV %D	22.5	20 %
4402217471	RIDB-30-100.0-20181008	10/8/2018	SW8260	75-71-8	Dichlorodifluoromethane		U	0.0017	0.0034	mg/kg	UJ	c	ICV %D	25.8	20 %
4402217471	RIDB-30-100.0-20181008	10/8/2018	SW8260	67-64-1	Acetone		U	0.014	0.034	mg/kg	UJ	c	CCV %D	33.8	20 %
4402217471	RIDB-30-110.0-20181008	10/8/2018	SW8260	67-64-1	Acetone		U	0.011	0.029	mg/kg	UJ	c	CCV %D	33.8	20 %
4402217471	RIDB-30-110.0-20181008	10/8/2018	SW8260	75-71-8	Dichlorodifluoromethane		U	0.0014	0.0029	mg/kg	UJ	c	ICV %D	25.8	20 %
4402217471	RIDB-30-120.0-20181008	10/8/2018	SW8260	67-64-1	Acetone		U	0.013	0.032	mg/kg	UJ	c	CCV %D	27.8	20 %
4402217471	RIDB-30-120.0-20181008	10/8/2018	SW8260	108-10-1	4-Methyl-2-pentanone		U	0.0040	0.0079	mg/kg	UJ	c	CCV %D	22.7	20 %
4402217471	RIDB-30-120.0-20181008	10/8/2018	SW8260	78-93-3	2-Butanone		U	0.0079	0.016	mg/kg	UJ	c	CCV %D	24.7	20 %
4402217471	RIDB-30-120.0-20181008	10/8/2018	SW8260	591-78-6	2-Hexanone		U	0.0079	0.016	mg/kg	UJ	c	CCV %D	28.6	20 %
4402217471	RIDB-30-120.0-20181008	10/8/2018	SW8260	75-71-8	Dichlorodifluoromethane		U	0.0016	0.0032	mg/kg	UJ	c	ICV %D	25.8	20 %
4402217471	RIDB-30-50.0-20181008	10/8/2018	SW8260	107-06-2	1,2-Dichloroethane	0.00076	J	0.00051	0.0010	mg/kg	J	sp	< PQL		
4402217471	RIDB-30-50.0-20181008	10/8/2018	SW8260	67-64-1	Acetone		U	0.0082	0.020	mg/kg	UJ	c	CCV %D	33.8	20 %
4402217471	RIDB-30-50.0-20181008	10/8/2018	SW8260	75-71-8	Dichlorodifluoromethane		U	0.0010	0.0020	mg/kg	UJ	c	ICV %D	25.8	20 %
4402217471	RIDB-30-50.0-20181008-TB	10/8/2018	SW8260	75-71-8	Dichlorodifluoromethane		U	0.0010	0.0020	mg/kg	UJ	c	ICV %D	25.8	20 %
4402217471	RIDB-30-50.0-20181008-TB	10/8/2018	SW8260	67-64-1	Acetone		U	0.0080	0.020	mg/kg	UJ	c	CCV %D	33.8	20 %
4402217471	RIDB-30-60.0-20181008	10/8/2018	SW8260	67-64-1	Acetone		U	0.0084	0.021	mg/kg	UJ	c	CCV %D	33.8	20 %
4402217471	RIDB-30-60.0-20181008	10/8/2018	SW8260	75-71-8	Dichlorodifluoromethane		U	0.0010	0.0021	mg/kg	UJ	c	ICV %D	25.8	20 %
4402217471	RIDB-30-70.0-20181008	10/8/2018	SW8260	67-64-1	Acetone		U	0.011	0.026	mg/kg	UJ	c	CCV %D	33.8	20 %
4402217471	RIDB-30-70.0-20181008	10/8/2018	SW8260	71-43-2	Benzene	0.00079	J	0.00066	0.0013	mg/kg	J	sp	< PQL		
4402217471	RIDB-30-70.0-20181008	10/8/2018	SW8260	75-71-8	Dichlorodifluoromethane		U	0.0013	0.0026	mg/kg	UJ	c	ICV %D	25.8	20 %
4402217471	RIDB-30-80.0-20181008	10/8/2018	SW8260	67-64-1	Acetone		U	0.010	0.026	mg/kg	UJ	c	CCV %D	33.8	20 %
4402217471	RIDB-30-80.0-20181008	10/8/2018	SW8260	75-71-8	Dichlorodifluoromethane		U	0.0013	0.0026	mg/kg	UJ	c	ICV %D	25.8	20 %
4402217471	RIDB-30-90.0-20181008	10/8/2018	SW8260	75-71-8	Dichlorodifluoromethane		U	0.0013	0.0026	mg/kg	UJ	c	ICV %D	25.8	20 %
4402217471	RIDB-30-90.0-20181008	10/8/2018	SW8260	67-64-1	Acetone		U	0.010	0.026	mg/kg	UJ	c	CCV %D	33.8	20 %
4402218881	RIDB-30-130.0-20181009	10/9/2018	SW8260	67-64-1	Acetone		U	0.012	0.030	mg/kg	UJ	c	CCV %D	27.8	20 %
4402218881	RIDB-30-130.0-20181009	10/9/2018	SW8260	591-78-6	2-Hexanone		U	0.0076	0.015	mg/kg	UJ	c	CCV %D	28.6	20 %
4402218881	RIDB-30-130.0-20181009	10/9/2018	SW8260	78-93-3	2-Butanone		U	0.0076	0.015	mg/kg	UJ	c	CCV %D	24.7	20 %
4402218881	RIDB-30-130.0-20181009	10/9/2018	SW8260	75-71-8	Dichlorodifluoromethane		U	0.0015	0.0030	mg/kg	UJ	c	ICV %D	25.8	20 %
4402218881	RIDB-30-130.0-20181009	10/9/2018	SW8260	108-10-1	4-Methyl-2-pentanone		U	0.0038	0.0076	mg/kg	UJ	c	CCV %D	22.7	20 %
4402218881	RIDB-30-130.0-20181009-FD	10/9/2018	SW8260	108-10-1	4-Methyl-2-pentanone		U	0.0037	0.0074	mg/kg	UJ	c	CCV %D	22.7	20 %
4402218881	RIDB-30-130.0-20181009-FD	10/9/2018	SW8260	67-64-1	Acetone		U	0.012	0.029	mg/kg	UJ	c	CCV %D	27.8	20 %

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte ¹	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator ²	Qualification Finding	Acceptance Criteria
4402218881	RIDB-30-130.0-20181009-FD	10/9/2018	SW8260	75-71-8	Dichlorodifluoromethane		U	0.0015	0.0029	mg/kg	UJ	c	ICV %D	25.8	20 %
4402218881	RIDB-30-130.0-20181009-FD	10/9/2018	SW8260	78-93-3	2-Butanone		U	0.0074	0.015	mg/kg	UJ	c	CCV %D	24.7	20 %
4402218881	RIDB-30-130.0-20181009-FD	10/9/2018	SW8260	591-78-6	2-Hexanone		U	0.0074	0.015	mg/kg	UJ	c	CCV %D	28.6	20 %
4402218881	RIDB-30-130.0-20181009-TB	10/9/2018	SW8260	75-71-8	Dichlorodifluoromethane		U	0.0010	0.0020	mg/kg	UJ	c	ICV %D	25.8	20 %
4402218881	RIDB-30-130.0-20181009-TB	10/9/2018	SW8260	108-10-1	4-Methyl-2-pentanone		U	0.0025	0.0050	mg/kg	UJ	c	CCV %D	22.7	20 %
4402218881	RIDB-30-130.0-20181009-TB	10/9/2018	SW8260	78-93-3	2-Butanone		U	0.0050	0.010	mg/kg	UJ	c	CCV %D	24.7	20 %
4402218881	RIDB-30-130.0-20181009-TB	10/9/2018	SW8260	591-78-6	2-Hexanone		U	0.0050	0.010	mg/kg	UJ	c	CCV %D	28.6	20 %
4402218881	RIDB-30-130.0-20181009-TB	10/9/2018	SW8260	67-64-1	Acetone		U	0.0080	0.020	mg/kg	UJ	c	CCV %D	27.8	20 %
4402218881	RIDB-30-140.0-20181009	10/9/2018	SW8260	591-78-6	2-Hexanone		U	0.0065	0.013	mg/kg	UJ	c	CCV %D	28.6	20 %
4402218881	RIDB-30-140.0-20181009	10/9/2018	SW8260	108-10-1	4-Methyl-2-pentanone		U	0.0032	0.0065	mg/kg	UJ	c	CCV %D	22.7	20 %
4402218881	RIDB-30-140.0-20181009	10/9/2018	SW8260	67-64-1	Acetone		U	0.010	0.026	mg/kg	UJ	c	CCV %D	27.8	20 %
4402218881	RIDB-30-140.0-20181009	10/9/2018	SW8260	75-71-8	Dichlorodifluoromethane		U	0.0013	0.0026	mg/kg	UJ	c	ICV %D	25.8	20 %
4402218881	RIDB-30-140.0-20181009	10/9/2018	SW8260	78-93-3	2-Butanone		U	0.0065	0.013	mg/kg	UJ	c	CCV %D	24.7	20 %
4402218881	RIDB-30-150.0-20181009	10/9/2018	SW8260	108-10-1	4-Methyl-2-pentanone		U	0.0032	0.0064	mg/kg	UJ	c	CCV %D	22.7	20 %
4402218881	RIDB-30-150.0-20181009	10/9/2018	SW8260	591-78-6	2-Hexanone		U	0.0064	0.013	mg/kg	UJ	c	CCV %D	28.6	20 %
4402218881	RIDB-30-150.0-20181009	10/9/2018	SW8260	75-71-8	Dichlorodifluoromethane		U	0.0013	0.0025	mg/kg	UJ	c	ICV %D	25.8	20 %
4402218881	RIDB-30-150.0-20181009	10/9/2018	SW8260	67-64-1	Acetone		U	0.010	0.025	mg/kg	UJ	c	CCV %D	27.8	20 %
4402218881	RIDB-30-150.0-20181009	10/9/2018	SW8260	78-93-3	2-Butanone		U	0.0064	0.013	mg/kg	UJ	c	CCV %D	24.7	20 %
4402218881	RIDB-31-100.0-20181009	10/9/2018	SW8260	78-93-3	2-Butanone		U	0.0059	0.012	mg/kg	UJ	c	CCV %D	24.7	20 %
4402218881	RIDB-31-100.0-20181009	10/9/2018	SW8260	108-10-1	4-Methyl-2-pentanone		U	0.0029	0.0059	mg/kg	UJ	c	CCV %D	22.7	20 %
4402218881	RIDB-31-100.0-20181009	10/9/2018	SW8260	591-78-6	2-Hexanone		U	0.0059	0.012	mg/kg	UJ	c	CCV %D	28.6	20 %
4402218881	RIDB-31-100.0-20181009	10/9/2018	SW8260	67-64-1	Acetone		U	0.0094	0.023	mg/kg	UJ	c	CCV %D	27.8	20 %
4402218881	RIDB-31-100.0-20181009	10/9/2018	SW8260	75-71-8	Dichlorodifluoromethane		U	0.0012	0.0023	mg/kg	UJ	c	ICV %D	25.8	20 %
4402218881	RIDB-31-110.0-20181009	10/9/2018	SW8260	108-10-1	4-Methyl-2-pentanone		U	0.0035	0.0071	mg/kg	UJ	c	CCV %D	22.7	20 %
4402218881	RIDB-31-110.0-20181009	10/9/2018	SW8260	591-78-6	2-Hexanone		U	0.0071	0.014	mg/kg	UJ	c	CCV %D	28.6	20 %
4402218881	RIDB-31-110.0-20181009	10/9/2018	SW8260	67-64-1	Acetone		U	0.011	0.028	mg/kg	UJ	c	CCV %D	27.8	20 %
4402218881	RIDB-31-110.0-20181009	10/9/2018	SW8260	75-71-8	Dichlorodifluoromethane		U	0.0014	0.0028	mg/kg	UJ	c	ICV %D	25.8	20 %
4402218881	RIDB-31-110.0-20181009	10/9/2018	SW8260	78-93-3	2-Butanone		U	0.0071	0.014	mg/kg	UJ	c	CCV %D	24.7	20 %
4402218881	RIDB-31-120.0-20181009	10/9/2018	SW8260	108-10-1	4-Methyl-2-pentanone		U	0.0027	0.0054	mg/kg	UJ	c	CCV %D	22.7	20 %
4402218881	RIDB-31-120.0-20181009	10/9/2018	SW8260	78-93-3	2-Butanone		U	0.0054	0.011	mg/kg	UJ	c	CCV %D	24.7	20 %
4402218881	RIDB-31-120.0-20181009	10/9/2018	SW8260	75-71-8	Dichlorodifluoromethane		U	0.0011	0.0022	mg/kg	UJ	c	ICV %D	25.8	20 %
4402218881	RIDB-31-120.0-20181009	10/9/2018	SW8260	67-64-1	Acetone		U	0.0087	0.022	mg/kg	UJ	c	CCV %D	27.8	20 %
4402218881	RIDB-31-120.0-20181009	10/9/2018	SW8260	591-78-6	2-Hexanone		U	0.0054	0.011	mg/kg	UJ	c	CCV %D	28.6	20 %
4402218881	RIDB-31-130.0-20181009	10/9/2018	SW8260	98-82-8	Cumene		U	0.00093	0.0019	mg/kg	UJ	i	IS area (1,4-Dichlorobenzene-d4)	67209	359264-89816 Area
4402218881	RIDB-31-130.0-20181009	10/9/2018	SW8260	135-98-8	sec-Butylbenzene		U*	0.0019	0.0037	mg/kg	UJ	i	IS area (1,4-Dichlorobenzene-d4)	67209	359264-89816 Area
4402218881	RIDB-31-130.0-20181009	10/9/2018	SW8260	103-65-1	n-Propylbenzene		U*	0.00093	0.0019	mg/kg	UJ	i	IS area (1,4-Dichlorobenzene-d4)	67209	359264-89816 Area
4402218881	RIDB-31-130.0-20181009	10/9/2018	SW8260	108-67-8	1,3,5-Trimethylbenzene		U*	0.0019	0.0037	mg/kg	UJ	i	IS area (1,4-Dichlorobenzene-d4)	67209	359264-89816 Area
4402218881	RIDB-31-130.0-20181009	10/9/2018	SW8260	95-50-1	1,2-Dichlorobenzene		U*	0.00093	0.0019	mg/kg	UJ	i	IS area (1,4-Dichlorobenzene-d4)	67209	359264-89816 Area
4402218881	RIDB-31-130.0-20181009	10/9/2018	SW8260	108-10-1	4-Methyl-2-pentanone		U	0.0046	0.0093	mg/kg	UJ	c	CCV %D	22.7	20 %
4402218881	RIDB-31-130.0-20181009	10/9/2018	SW8260	79-34-5	1,1,2,2-Tetrachloroethane		U*	0.0019	0.0037	mg/kg	UJ	i	IS area (1,4-Dichlorobenzene-d4)	67209	359264-89816 Area
4402218881	RIDB-31-130.0-20181009	10/9/2018	SW8260	87-68-3	Hexachlorobutadiene		U*	0.0019	0.0037	mg/kg	UJ	i	IS area (1,4-Dichlorobenzene-d4)	67209	359264-89816 Area
4402218881	RIDB-31-130.0-20181009	10/9/2018	SW8260	96-18-4	1,2,3-Trichloropropane		U*	0.0019	0.019	mg/kg	UJ	i	IS area (1,4-Dichlorobenzene-d4)	67209	359264-89816 Area
4402218881	RIDB-31-130.0-20181009	10/9/2018	SW8260	87-61-6	1,2,3-Trichlorobenzene		U*	0.0019	0.0037	mg/kg	UJ	i	IS area (1,4-Dichlorobenzene-d4)	67209	359264-89816 Area
4402218881	RIDB-31-130.0-20181009	10/9/2018	SW8260	98-06-6	tert-Butylbenzene		U*	0.0019	0.0037	mg/kg	UJ	i	IS area (1,4-Dichlorobenzene-d4)	67209	359264-89816 Area
4402218881	RIDB-31-130.0-20181009	10/9/2018	SW8260	106-46-7	1,4-Dichlorobenzene		U*	0.00093	0.0019	mg/kg	UJ	i	IS area (1,4-Dichlorobenzene-d4)	67209	359264-89816 Area
4402218881	RIDB-31-130.0-20181009	10/9/2018	SW8260	67-64-1	Acetone		U	0.015	0.037	mg/kg	UJ	c	CCV %D	27.8	20 %
4402218881	RIDB-31-130.0-20181009	10/9/2018	SW8260	96-12-8	1,2-Dibromo-3-chloropropane		U*	0.0037	0.0093	mg/kg	UJ	i	IS area (1,4-Dichlorobenzene-d4)	67209	359264-89816 Area
4402218881	RIDB-31-130.0-20181009	10/9/2018	SW8260	91-20-3	Naphthalene		U*	0.0019	0.0037	mg/kg	UJ	i	IS area (1,4-Dichlorobenzene-d4)	67209	359264-89816 Area
4402218881	RIDB-31-130.0-20181009	10/9/2018	SW8260	120-82-1	1,2,4-Trichlorobenzene		U*	0.0019	0.0093	mg/kg	UJ	i	IS area (1,4-Dichlorobenzene-d4)	67209	359264-89816 Area
4402218881	RIDB-31-130.0-20181009	10/9/2018	SW8260	78-93-3	2-Butanone		U	0.0093	0.019	mg/kg	UJ	c	CCV %D	24.7	20 %
4402218881	RIDB-31-130.0-20181009	10/9/2018	SW8260	108-86-1	Bromobenzene		U*	0.0019	0.0037	mg/kg	UJ	i	IS area (1,4-Dichlorobenzene-d4)	67209	359264-89816 Area
4402218881	RIDB-31-130.0-20181009	10/9/2018	SW8260	104-51-8	n-Butylbenzene		U*	0.0019	0.0037	mg/kg	UJ	i	IS area (1,4-Dichlorobenzene-d4)	67209	359264-89816 Area
4402218881	RIDB-31-130.0-20181009	10/9/2018	SW8260	106-43-4	4-Chlorotoluene		U*	0.0019	0.0037	mg/kg	UJ	i	IS area (1,4-Dichlorobenzene-d4)	67209	359264-89816 Area
4402218881	RIDB-31-130.0-20181009	10/9/2018	SW8260	591-78-6	2-Hexanone		U	0.0093	0.019	mg/kg	UJ	c	CCV %D	28.6	20 %
4402218881	RIDB-31-130.0-20181009	10/9/2018	SW8260	541-73-1	1,3-Dichlorobenzene		U*	0.00093	0.0019	mg/kg	UJ	i	IS area (1,4-Dichlorobenzene-d4)	67209	359264-89816 Area
4402218881	RIDB-31-130.0-20181009	10/9/2018	SW8260	95-49-8	2-Chlorotoluene		U*	0.0019	0.0037	mg/kg	UJ	i	IS area (1,4-Dichlorobenzene-d4)	67209	359264-89816 Area

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte ¹	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator ²	Qualification Finding	Acceptance Criteria
4402218881	RIDB-31-130.0-20181009	10/9/2018	SW8260	95-63-6	1,2,4-Trimethylbenzene		U*	0.0019	0.0037	mg/kg	UJ	i	IS area (1,4-Dichlorobenzene-d4)	67209	359264-89816 Area
4402218881	RIDB-31-130.0-20181009	10/9/2018	SW8260	99-87-6	p-Cymene		U*	0.00093	0.0019	mg/kg	UJ	i	IS area (1,4-Dichlorobenzene-d4)	67209	359264-89816 Area
4402218881	RIDB-31-130.0-20181009	10/9/2018	SW8260	75-71-8	Dichlorodifluoromethane		U	0.0019	0.0037	mg/kg	UJ	c	ICV %D	25.8	20 %
4402218881	RIDB-31-50.0-20181009	10/9/2018	SW8260	108-10-1	4-Methyl-2-pentanone		U	0.0038	0.0075	mg/kg	UJ	c	CCV %D	22.7	20 %
4402218881	RIDB-31-50.0-20181009	10/9/2018	SW8260	591-78-6	2-Hexanone		U	0.0075	0.015	mg/kg	UJ	c	CCV %D	28.6	20 %
4402218881	RIDB-31-50.0-20181009	10/9/2018	SW8260	67-64-1	Acetone		U	0.012	0.030	mg/kg	UJ	c	CCV %D	27.8	20 %
4402218881	RIDB-31-50.0-20181009	10/9/2018	SW8260	78-93-3	2-Butanone		U	0.0075	0.015	mg/kg	UJ	c	CCV %D	24.7	20 %
4402218881	RIDB-31-50.0-20181009	10/9/2018	SW8260	75-71-8	Dichlorodifluoromethane		U	0.0015	0.0030	mg/kg	UJ	c	ICV %D	25.8	20 %
4402218881	RIDB-31-60.0-20181009	10/9/2018	SW8260	78-93-3	2-Butanone		U	0.0051	0.010	mg/kg	UJ	c	CCV %D	24.7	20 %
4402218881	RIDB-31-60.0-20181009	10/9/2018	SW8260	108-10-1	4-Methyl-2-pentanone		U	0.0025	0.0051	mg/kg	UJ	c	CCV %D	22.7	20 %
4402218881	RIDB-31-60.0-20181009	10/9/2018	SW8260	591-78-6	2-Hexanone		U	0.0051	0.010	mg/kg	UJ	c	CCV %D	28.6	20 %
4402218881	RIDB-31-60.0-20181009	10/9/2018	SW8260	75-71-8	Dichlorodifluoromethane		U	0.0010	0.0020	mg/kg	UJ	c	ICV %D	25.8	20 %
4402218881	RIDB-31-60.0-20181009	10/9/2018	SW8260	67-64-1	Acetone		U	0.0081	0.020	mg/kg	UJ	c	CCV %D	27.8	20 %
4402218881	RIDB-31-70.0-20181009	10/9/2018	SW8260	108-10-1	4-Methyl-2-pentanone		U	0.0046	0.0091	mg/kg	UJ	c	CCV %D	22.7	20 %
4402218881	RIDB-31-70.0-20181009	10/9/2018	SW8260	591-78-6	2-Hexanone		U	0.0091	0.018	mg/kg	UJ	c	CCV %D	28.6	20 %
4402218881	RIDB-31-70.0-20181009	10/9/2018	SW8260	67-64-1	Acetone		U	0.015	0.036	mg/kg	UJ	c	CCV %D	27.8	20 %
4402218881	RIDB-31-70.0-20181009	10/9/2018	SW8260	78-93-3	2-Butanone		U	0.0091	0.018	mg/kg	UJ	c	CCV %D	24.7	20 %
4402218881	RIDB-31-70.0-20181009	10/9/2018	SW8260	75-71-8	Dichlorodifluoromethane		U	0.0018	0.0036	mg/kg	UJ	c	ICV %D	25.8	20 %
4402218881	RIDB-31-80.0-20181009	10/9/2018	SW8260	75-71-8	Dichlorodifluoromethane		U	0.00092	0.0018	mg/kg	UJ	c	ICV %D	25.8	20 %
4402218881	RIDB-31-80.0-20181009	10/9/2018	SW8260	78-93-3	2-Butanone		U	0.0046	0.0092	mg/kg	UJ	c	CCV %D	24.7	20 %
4402218881	RIDB-31-80.0-20181009	10/9/2018	SW8260	67-64-1	Acetone		U	0.0073	0.018	mg/kg	UJ	c	CCV %D	27.8	20 %
4402218881	RIDB-31-80.0-20181009	10/9/2018	SW8260	591-78-6	2-Hexanone		U	0.0046	0.0092	mg/kg	UJ	c	CCV %D	28.6	20 %
4402218881	RIDB-31-80.0-20181009	10/9/2018	SW8260	108-10-1	4-Methyl-2-pentanone		U	0.0023	0.0046	mg/kg	UJ	c	CCV %D	22.7	20 %
4402218881	RIDB-31-90.0-20181009	10/9/2018	SW8260	75-71-8	Dichlorodifluoromethane		U	0.0012	0.0025	mg/kg	UJ	c	ICV %D	25.8	20 %
4402218881	RIDB-31-90.0-20181009	10/9/2018	SW8260	78-93-3	2-Butanone		U	0.0061	0.012	mg/kg	UJ	c	CCV %D	24.7	20 %
4402218881	RIDB-31-90.0-20181009	10/9/2018	SW8260	591-78-6	2-Hexanone		U	0.0061	0.012	mg/kg	UJ	c	CCV %D	28.6	20 %
4402218881	RIDB-31-90.0-20181009	10/9/2018	SW8260	108-10-1	4-Methyl-2-pentanone		U	0.0031	0.0061	mg/kg	UJ	c	CCV %D	22.7	20 %
4402218881	RIDB-31-90.0-20181009	10/9/2018	SW8260	67-64-1	Acetone		U	0.0098	0.025	mg/kg	UJ	c	CCV %D	27.8	20 %
4402219761	RIDB-31-140.0-20181010	10/10/2018	SW8260	75-71-8	Dichlorodifluoromethane		U	0.0016	0.0031	mg/kg	UJ	c	ICV %D	25.8	20 %
4402219761	RIDB-31-140.0-20181010	10/10/2018	SW8260	67-64-1	Acetone		U	0.012	0.031	mg/kg	UJ	c	CCV %D	27.8	20 %
4402219761	RIDB-31-140.0-20181010	10/10/2018	SW8260	78-93-3	2-Butanone		U	0.0078	0.016	mg/kg	UJ	c	CCV %D	24.7	20 %
4402219761	RIDB-31-140.0-20181010	10/10/2018	SW8260	108-10-1	4-Methyl-2-pentanone		U	0.0039	0.0078	mg/kg	UJ	c	CCV %D	22.7	20 %
4402219761	RIDB-31-140.0-20181010	10/10/2018	SW8260	591-78-6	2-Hexanone		U	0.0078	0.016	mg/kg	UJ	c	CCV %D	28.6	20 %
4402219761	RIDB-31-140.0-20181010-FD	10/10/2018	SW8260	75-71-8	Dichlorodifluoromethane		U	0.0017	0.0035	mg/kg	UJ	c	ICV %D	25.8	20 %
4402219761	RIDB-31-140.0-20181010-FD	10/10/2018	SW8260	591-78-6	2-Hexanone		U	0.0087	0.017	mg/kg	UJ	c	CCV %D	28.6	20 %
4402219761	RIDB-31-140.0-20181010-FD	10/10/2018	SW8260	78-93-3	2-Butanone		U	0.0087	0.017	mg/kg	UJ	c	CCV %D	24.7	20 %
4402219761	RIDB-31-140.0-20181010-FD	10/10/2018	SW8260	108-10-1	4-Methyl-2-pentanone		U	0.0043	0.0087	mg/kg	UJ	c	CCV %D	22.7	20 %
4402219761	RIDB-31-140.0-20181010-FD	10/10/2018	SW8260	67-64-1	Acetone		U	0.014	0.035	mg/kg	UJ	c	CCV %D	27.8	20 %
4402219761	RIDB-31-140.0-20181010-TB	10/10/2018	SW8260	591-78-6	2-Hexanone		U	0.0050	0.010	mg/kg	UJ	c	CCV %D	28.6	20 %
4402219761	RIDB-31-140.0-20181010-TB	10/10/2018	SW8260	67-64-1	Acetone		U	0.0080	0.020	mg/kg	UJ	c	CCV %D	27.8	20 %
4402219761	RIDB-31-140.0-20181010-TB	10/10/2018	SW8260	78-93-3	2-Butanone		U	0.0050	0.010	mg/kg	UJ	c	CCV %D	24.7	20 %
4402219761	RIDB-31-140.0-20181010-TB	10/10/2018	SW8260	75-71-8	Dichlorodifluoromethane		U	0.0010	0.0020	mg/kg	UJ	c	ICV %D	25.8	20 %
4402219761	RIDB-31-140.0-20181010-TB	10/10/2018	SW8260	108-10-1	4-Methyl-2-pentanone		U	0.0025	0.0050	mg/kg	UJ	c	CCV %D	22.7	20 %
4402219761	RIDB-31-150.0-20181010	10/10/2018	SW8260	75-71-8	Dichlorodifluoromethane		U	0.0022	0.0044	mg/kg	UJ	c	ICV %D	25.8	20 %
4402219761	RIDB-31-150.0-20181010	10/10/2018	SW8260	591-78-6	2-Hexanone		U	0.011	0.022	mg/kg	UJ	c	CCV %D	28.6	20 %
4402219761	RIDB-31-150.0-20181010	10/10/2018	SW8260	108-10-1	4-Methyl-2-pentanone		U	0.0055	0.011	mg/kg	UJ	c	CCV %D	22.7	20 %
4402219761	RIDB-31-150.0-20181010	10/10/2018	SW8260	67-64-1	Acetone		U	0.018	0.044	mg/kg	UJ	c	CCV %D	27.8	20 %
4402219761	RIDB-31-150.0-20181010	10/10/2018	SW8260	78-93-3	2-Butanone		U	0.011	0.022	mg/kg	UJ	c	CCV %D	24.7	20 %
4402219761	RIDB-32-100.0-20181010	10/10/2018	SW8260	103-65-1	n-Propylbenzene		U	0.00061	0.0012	mg/kg	UJ	c	CCV %D	20.3	20 %
4402219761	RIDB-32-100.0-20181010	10/10/2018	SW8260	79-34-5	1,1,2,2-Tetrachloroethane		U	0.0012	0.0024	mg/kg	UJ	c	CCV %D	25.8	20 %
4402219761	RIDB-32-110.0-20181010	10/10/2018	SW8260	79-34-5	1,1,2,2-Tetrachloroethane		U	0.0013	0.0026	mg/kg	UJ	c	CCV %D	25.8	20 %
4402219761	RIDB-32-110.0-20181010	10/10/2018	SW8260	103-65-1	n-Propylbenzene		U	0.00066	0.0013	mg/kg	UJ	c	CCV %D	20.3	20 %
4402219761	RIDB-32-120.0-20181010	10/10/2018	SW8260	103-65-1	n-Propylbenzene		U	0.00057	0.0011	mg/kg	UJ	c	CCV %D	20.3	20 %
4402219761	RIDB-32-120.0-20181010	10/10/2018	SW8260	79-34-5	1,1,2,2-Tetrachloroethane		U	0.0011	0.0023	mg/kg	UJ	c	CCV %D	25.8	20 %
4402219761	RIDB-32-130.0-20181010	10/10/2018	SW8260	75-00-3	Chloroethane		U*	0.00097	0.0019	mg/kg	UJ	c	CCV %D	20.1	20 %
4402219761	RIDB-32-130.0-20181010	10/10/2018	SW8260	79-34-5	1,1,2,2-Tetrachloroethane		U	0.00097	0.0019	mg/kg	UJ	c	CCV %D	23.6	20 %

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte ¹	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator ²	Qualification Finding	Acceptance Criteria
4402219761	RIDB-32-130.0-20181010	10/10/2018	SW8260	103-65-1	n-Propylbenzene		U	0.00049	0.00097	mg/kg	UJ	c	CCV %D	21.8	20 %
4402219761	RIDB-32-140.0-20181010	10/10/2018	SW8260	79-34-5	1,1,2,2-Tetrachloroethane		U	0.0012	0.0024	mg/kg	UJ	c	CCV %D	23.6	20 %
4402219761	RIDB-32-140.0-20181010	10/10/2018	SW8260	75-00-3	Chloroethane		U	0.0012	0.0024	mg/kg	UJ	c	CCV %D	20.1	20 %
4402219761	RIDB-32-140.0-20181010	10/10/2018	SW8260	103-65-1	n-Propylbenzene		U	0.00061	0.0012	mg/kg	UJ	c	CCV %D	21.8	20 %
4402219761	RIDB-32-150.0-20181010	10/10/2018	SW8260	103-65-1	n-Propylbenzene		U*	0.00069	0.0014	mg/kg	UJ	c,i	CCV %D; IS area (1,4-Dichlorobenzene-d4)	21.8; 69328	0; 480676-120169 %; Area
4402219761	RIDB-32-150.0-20181010	10/10/2018	SW8260	95-63-6	1,2,4-Trimethylbenzene		U*	0.0014	0.0028	mg/kg	UJ	i	IS area (1,4-Dichlorobenzene-d4)	69328	480676-120169 Area
4402219761	RIDB-32-150.0-20181010	10/10/2018	SW8260	95-49-8	2-Chlorotoluene		U*	0.0014	0.0028	mg/kg	UJ	i	IS area (1,4-Dichlorobenzene-d4)	69328	480676-120169 Area
4402219761	RIDB-32-150.0-20181010	10/10/2018	SW8260	106-43-4	4-Chlorotoluene		U*	0.0014	0.0028	mg/kg	UJ	i	IS area (1,4-Dichlorobenzene-d4)	69328	480676-120169 Area
4402219761	RIDB-32-150.0-20181010	10/10/2018	SW8260	541-73-1	1,3-Dichlorobenzene		U*	0.00069	0.0014	mg/kg	UJ	i	IS area (1,4-Dichlorobenzene-d4)	69328	480676-120169 Area
4402219761	RIDB-32-150.0-20181010	10/10/2018	SW8260	91-20-3	Naphthalene		U*	0.0014	0.0028	mg/kg	UJ	i	IS area (1,4-Dichlorobenzene-d4)	69328	480676-120169 Area
4402219761	RIDB-32-150.0-20181010	10/10/2018	SW8260	96-12-8	1,2-Dibromo-3-chloropropane		U*	0.0028	0.0069	mg/kg	UJ	i	IS area (1,4-Dichlorobenzene-d4)	69328	480676-120169 Area
4402219761	RIDB-32-150.0-20181010	10/10/2018	SW8260	75-00-3	Chloroethane		U	0.0014	0.0028	mg/kg	UJ	c	CCV %D	20.1	20 %
4402219761	RIDB-32-150.0-20181010	10/10/2018	SW8260	104-51-8	n-Butylbenzene		U*	0.0014	0.0028	mg/kg	UJ	i	IS area (1,4-Dichlorobenzene-d4)	69328	480676-120169 Area
4402219761	RIDB-32-150.0-20181010	10/10/2018	SW8260	135-98-8	sec-Butylbenzene		U*	0.0014	0.0028	mg/kg	UJ	i	IS area (1,4-Dichlorobenzene-d4)	69328	480676-120169 Area
4402219761	RIDB-32-150.0-20181010	10/10/2018	SW8260	108-86-1	Bromobenzene		U*	0.0014	0.0028	mg/kg	UJ	i	IS area (1,4-Dichlorobenzene-d4)	69328	480676-120169 Area
4402219761	RIDB-32-150.0-20181010	10/10/2018	SW8260	108-67-8	1,3,5-Trimethylbenzene		U*	0.0014	0.0028	mg/kg	UJ	i	IS area (1,4-Dichlorobenzene-d4)	69328	480676-120169 Area
4402219761	RIDB-32-150.0-20181010	10/10/2018	SW8260	99-87-6	p-Cymene		U*	0.00069	0.0014	mg/kg	UJ	i	IS area (1,4-Dichlorobenzene-d4)	69328	480676-120169 Area
4402219761	RIDB-32-150.0-20181010	10/10/2018	SW8260	106-46-7	1,4-Dichlorobenzene		U*	0.00069	0.0014	mg/kg	UJ	i	IS area (1,4-Dichlorobenzene-d4)	69328	480676-120169 Area
4402219761	RIDB-32-150.0-20181010	10/10/2018	SW8260	98-06-6	tert-Butylbenzene		U*	0.0014	0.0028	mg/kg	UJ	i	IS area (1,4-Dichlorobenzene-d4)	69328	480676-120169 Area
4402219761	RIDB-32-150.0-20181010	10/10/2018	SW8260	98-82-8	Cumene		U	0.00069	0.0014	mg/kg	UJ	i	IS area (1,4-Dichlorobenzene-d4)	69328	480676-120169 Area
4402219761	RIDB-32-150.0-20181010	10/10/2018	SW8260	87-61-6	1,2,3-Trichlorobenzene		U*	0.0014	0.0028	mg/kg	UJ	i	IS area (1,4-Dichlorobenzene-d4)	69328	480676-120169 Area
4402219761	RIDB-32-150.0-20181010	10/10/2018	SW8260	96-18-4	1,2,3-Trichloropropane		U*	0.0014	0.014	mg/kg	UJ	i	IS area (1,4-Dichlorobenzene-d4)	69328	480676-120169 Area
4402219761	RIDB-32-150.0-20181010	10/10/2018	SW8260	87-68-3	Hexachlorobutadiene		U*	0.0014	0.0028	mg/kg	UJ	i	IS area (1,4-Dichlorobenzene-d4)	69328	480676-120169 Area
4402219761	RIDB-32-150.0-20181010	10/10/2018	SW8260	79-34-5	1,1,2,2-Tetrachloroethane		U*	0.0014	0.0028	mg/kg	UJ	c,i	CCV %D; IS area (1,4-Dichlorobenzene-d4)	21.8; 69328	0; 480676-120169 %; Area
4402219761	RIDB-32-150.0-20181010	10/10/2018	SW8260	95-50-1	1,2-Dichlorobenzene		U*	0.00069	0.0014	mg/kg	UJ	i	IS area (1,4-Dichlorobenzene-d4)	69328	480676-120169 Area
4402219761	RIDB-32-150.0-20181010	10/10/2018	SW8260	120-82-1	1,2,4-Trichlorobenzene		U*	0.0014	0.0069	mg/kg	UJ	i	IS area (1,4-Dichlorobenzene-d4)	69328	480676-120169 Area
4402219761	RIDB-32-50.0-20181010	10/10/2018	SW8260	103-65-1	n-Propylbenzene		U	0.00064	0.0013	mg/kg	UJ	c	CCV %D	20.3	20 %
4402219761	RIDB-32-50.0-20181010	10/10/2018	SW8260	91-20-3	Naphthalene	0.0017	J	0.0013	0.0025	mg/kg	J	sp	< PQL		
4402219761	RIDB-32-50.0-20181010	10/10/2018	SW8260	79-34-5	1,1,2,2-Tetrachloroethane		U	0.0013	0.0025	mg/kg	UJ	c	CCV %D	25.8	20 %
4402219761	RIDB-32-60.0-20181010	10/10/2018	SW8260	103-65-1	n-Propylbenzene		U	0.0010	0.0021	mg/kg	UJ	c	CCV %D	20.3	20 %
4402219761	RIDB-32-60.0-20181010	10/10/2018	SW8260	79-34-5	1,1,2,2-Tetrachloroethane		U	0.0021	0.0041	mg/kg	UJ	c	CCV %D	25.8	20 %
4402219761	RIDB-32-70.0-20181010	10/10/2018	SW8260	103-65-1	n-Propylbenzene		U	0.00052	0.0010	mg/kg	UJ	c	CCV %D	20.3	20 %
4402219761	RIDB-32-70.0-20181010	10/10/2018	SW8260	79-34-5	1,1,2,2-Tetrachloroethane		U	0.0010	0.0021	mg/kg	UJ	c	CCV %D	25.8	20 %
4402219761	RIDB-32-80.0-20181010	10/10/2018	SW8260	79-34-5	1,1,2,2-Tetrachloroethane		U	0.0015	0.0030	mg/kg	UJ	c	CCV %D	25.8	20 %
4402219761	RIDB-32-80.0-20181010	10/10/2018	SW8260	103-65-1	n-Propylbenzene		U	0.00076	0.0015	mg/kg	UJ	c	CCV %D	20.3	20 %
4402219761	RIDB-32-80.0-20181010-FD	10/10/2018	SW8260	103-65-1	n-Propylbenzene		U	0.00078	0.0016	mg/kg	UJ	c	CCV %D	20.3	20 %
4402219761	RIDB-32-80.0-20181010-FD	10/10/2018	SW8260	79-34-5	1,1,2,2-Tetrachloroethane		U	0.0016	0.0031	mg/kg	UJ	c	CCV %D	25.8	20 %
4402219761	RIDB-32-90.0-20181010	10/10/2018	SW8260	79-34-5	1,1,2,2-Tetrachloroethane		U	0.0012	0.0024	mg/kg	UJ	c	CCV %D	25.8	20 %
4402219761	RIDB-32-90.0-20181010	10/10/2018	SW8260	103-65-1	n-Propylbenzene		U	0.00060	0.0012	mg/kg	UJ	c	CCV %D	20.3	20 %
4402220981	RIDB-33-100.0-20181011	10/11/2018	SW8260	75-00-3	Chloroethane		U	0.0012	0.0024	mg/kg	UJ	c	CCV %D	20.1	20 %
4402220981	RIDB-33-100.0-20181011	10/11/2018	SW8260	103-65-1	n-Propylbenzene		U	0.00061	0.0012	mg/kg	UJ	c	CCV %D	21.8	20 %
4402220981	RIDB-33-100.0-20181011	10/11/2018	SW8260	79-34-5	1,1,2,2-Tetrachloroethane		U	0.0012	0.0024	mg/kg	UJ	c	CCV %D	23.6	20 %
4402220981	RIDB-33-100.0-20181011-FD	10/11/2018	SW8260	79-34-5	1,1,2,2-Tetrachloroethane		U	0.0013	0.0026	mg/kg	UJ	c	CCV %D	23.6	20 %
4402220981	RIDB-33-100.0-20181011-FD	10/11/2018	SW8260	103-65-1	n-Propylbenzene		U	0.00066	0.0013	mg/kg	UJ	c	CCV %D	21.8	20 %
4402220981	RIDB-33-100.0-20181011-FD	10/11/2018	SW8260	75-00-3	Chloroethane		U	0.0013	0.0026	mg/kg	UJ	c	CCV %D	20.1	20 %
4402220981	RIDB-33-110.0-20181011	10/11/2018	SW8260	103-65-1	n-Propylbenzene		U	0.00051	0.0010	mg/kg	UJ	c	CCV %D	21.8	20 %
4402220981	RIDB-33-110.0-20181011	10/11/2018	SW8260	79-34-5	1,1,2,2-Tetrachloroethane		U	0.0010	0.0021	mg/kg	UJ	c	CCV %D	23.6	20 %
4402220981	RIDB-33-110.0-20181011	10/11/2018	SW8260	75-00-3	Chloroethane		U	0.0010	0.0021	mg/kg	UJ	c	CCV %D	20.1	20 %
4402220981	RIDB-33-120.0-20181011	10/11/2018	SW8260	103-65-1	n-Propylbenzene		U	0.00052	0.0010	mg/kg	UJ	c	CCV %D	21.8	20 %
4402220981	RIDB-33-120.0-20181011	10/11/2018	SW8260	75-00-3	Chloroethane		U	0.0010	0.0021	mg/kg	UJ	c	CCV %D	20.1	20 %
4402220981	RIDB-33-120.0-20181011	10/11/2018	SW8260	79-34-5	1,1,2,2-Tetrachloroethane		U	0.0010	0.0021	mg/kg	UJ	c	CCV %D	23.6	20 %
4402220981	RIDB-33-130.0-20181011	10/11/2018	SW8260	75-00-3	Chloroethane		U	0.0016	0.0032	mg/kg	UJ	c	CCV %D	20.1	20 %
4402220981	RIDB-33-130.0-20181011	10/11/2018	SW8260	103-65-1	n-Propylbenzene		U	0.00079	0.0016	mg/kg	UJ	c	CCV %D	21.8	20 %
4402220981	RIDB-33-130.0-20181011	10/11/2018	SW8260	79-34-5	1,1,2,2-Tetrachloroethane		U	0.0016	0.0032	mg/kg	UJ	c	CCV %D	23.6	20 %
4402220981	RIDB-33-140.0-20181011	10/11/2018	SW8260	79-34-5	1,1,2,2-Tetrachloroethane		U	0.00097	0.0019	mg/kg	UJ	c	CCV %D	23.6	20 %
4402220981	RIDB-33-140.0-20181011	10/11/2018	SW8260	103-65-1	n-Propylbenzene		U	0.00048	0.00097	mg/kg	UJ	c	CCV %D	21.8	20 %

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte ¹	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator ²	Qualification Finding	Acceptance Criteria
4402220981	RIDB-33-140.0-20181011	10/11/2018	SW8260	75-00-3	Chloroethane		U	0.00097	0.0019	mg/kg	UJ	c	CCV %D	20.1	20 %
4402220981	RIDB-33-150.0-20181011	10/11/2018	SW8260	79-34-5	1,1,2,2-Tetrachloroethane		U	0.0014	0.0027	mg/kg	UJ	c	CCV %D	23.6	20 %
4402220981	RIDB-33-150.0-20181011	10/11/2018	SW8260	75-00-3	Chloroethane		U	0.0014	0.0027	mg/kg	UJ	c	CCV %D	20.1	20 %
4402220981	RIDB-33-150.0-20181011	10/11/2018	SW8260	103-65-1	n-Propylbenzene		U	0.00068	0.0014	mg/kg	UJ	c	CCV %D	21.8	20 %
4402220981	RIDB-33-50.0-20181011	10/11/2018	SW8260	56-23-5	Carbon Tetrachloride	0.0012	J	0.00050	0.0020	mg/kg	J+	c,sp	CCV %D	31.1	20 %
4402220981	RIDB-33-50.0-20181011	10/11/2018	SW8260	127-18-4	Tetrachloroethene	0.00062	J	0.00050	0.0010	mg/kg	J	sp	< PQL		
4402220981	RIDB-33-50.0-20181011	10/11/2018	SW8260	541-73-1	1,3-Dichlorobenzene	0.00069	J	0.00050	0.0010	mg/kg	J	sp	< PQL		
4402220981	RIDB-33-50.0-20181011	10/11/2018	SW8260	106-46-7	1,4-Dichlorobenzene	0.00066	J	0.00050	0.0010	mg/kg	J	sp	< PQL		
4402220981	RIDB-33-50.0-20181011	10/11/2018	SW8260	79-34-5	1,1,2,2-Tetrachloroethane		U	0.0010	0.0020	mg/kg	UJ	c	CCV %D	25.8	20 %
4402220981	RIDB-33-50.0-20181011	10/11/2018	SW8260	95-50-1	1,2-Dichlorobenzene	0.00078	J	0.00050	0.0010	mg/kg	J	sp	< PQL		
4402220981	RIDB-33-50.0-20181011	10/11/2018	SW8260	103-65-1	n-Propylbenzene		U	0.00050	0.0010	mg/kg	UJ	c	CCV %D	20.3	20 %
4402220981	RIDB-33-50.0-20181011-TB	10/11/2018	SW8260	103-65-1	n-Propylbenzene		U	0.00050	0.0010	mg/kg	UJ	c	CCV %D	20.3	20 %
4402220981	RIDB-33-50.0-20181011-TB	10/11/2018	SW8260	79-34-5	1,1,2,2-Tetrachloroethane		U	0.0010	0.0020	mg/kg	UJ	c	CCV %D	25.8	20 %
4402220981	RIDB-33-60.0-20181011	10/11/2018	SW8260	103-65-1	n-Propylbenzene		U	0.00071	0.0014	mg/kg	UJ	c	CCV %D	20.3	20 %
4402220981	RIDB-33-60.0-20181011	10/11/2018	SW8260	79-34-5	1,1,2,2-Tetrachloroethane		U	0.0014	0.0028	mg/kg	UJ	c	CCV %D	25.8	20 %
4402220981	RIDB-33-70.0-20181011	10/11/2018	SW8260	103-65-1	n-Propylbenzene		U	0.00075	0.0015	mg/kg	UJ	c	CCV %D	20.3	20 %
4402220981	RIDB-33-70.0-20181011	10/11/2018	SW8260	79-34-5	1,1,2,2-Tetrachloroethane		U	0.0015	0.0030	mg/kg	UJ	c	CCV %D	25.8	20 %
4402220981	RIDB-33-80.0-20181011	10/11/2018	SW8260	79-34-5	1,1,2,2-Tetrachloroethane		U	0.0012	0.0024	mg/kg	UJ	c	CCV %D	25.8	20 %
4402220981	RIDB-33-80.0-20181011	10/11/2018	SW8260	103-65-1	n-Propylbenzene		U	0.00060	0.0012	mg/kg	UJ	c	CCV %D	20.3	20 %
4402220981	RIDB-33-90.0-20181011	10/11/2018	SW8260	79-34-5	1,1,2,2-Tetrachloroethane		U	0.0016	0.0033	mg/kg	UJ	c	CCV %D	25.8	20 %
4402220981	RIDB-33-90.0-20181011	10/11/2018	SW8260	103-65-1	n-Propylbenzene		U	0.00082	0.0016	mg/kg	UJ	c	CCV %D	20.3	20 %
4402244261	PC-168-20181114	11/14/2018	SW8260	106-46-7	1,4-Dichlorobenzene	0.44	J	0.25	0.50	ug/l	J	sp	< PQL		
4402244261	PC-168-20181114	11/14/2018	SW8260	95-50-1	1,2-Dichlorobenzene	0.49	J	0.25	0.50	ug/l	J	sp	< PQL		
4402244261	PC-172D-20181114	11/14/2018	SW8260	56-23-5	Carbon Tetrachloride	0.25	J	0.25	0.50	ug/l	J	sp	< PQL		
4402244261	PC-176-20181114	11/14/2018	SW8260	108-88-3	Toluene	0.47	J	0.25	0.50	ug/l	J	sp	< PQL		
4402244261	PC-176-20181114	11/14/2018	SW8260	106-46-7	1,4-Dichlorobenzene	0.49	J	0.25	0.50	ug/l	J	sp	< PQL		
4402244261	PC-176-20181114	11/14/2018	SW8260	71-43-2	Benzene	0.47	J	0.25	0.50	ug/l	J	sp	< PQL		
4402244261	PC-176-20181114	11/14/2018	SW8260	120-82-1	1,2,4-Trichlorobenzene	0.80	J	0.40	1.0	ug/l	J	sp	< PQL		
4402275491	RIDB-34-1-20181212	12/12/2018	SW8260	75-01-4	Vinyl Chloride		U	0.0013	0.0026	mg/kg	UJ	c	ICV %D	21.0	20 %
4402275491	RIDB-34-1-20181212	12/12/2018	SW8260	74-87-3	Chloromethane		U	0.0013	0.0026	mg/kg	UJ	c	ICV %D	23.8	20 %
4402275491	RIDB-34-1-20181212	12/12/2018	SW8260	75-71-8	Dichlorodifluoromethane		U	0.0013	0.0026	mg/kg	UJ	c	ICV %D	34.2	20 %
4402275491	RIDB-34-5-20181212	12/12/2018	SW8260	75-71-8	Dichlorodifluoromethane		U	0.0011	0.0021	mg/kg	UJ	c	ICV %D	20.9	20 %
4402275491	RIDB-35-100-20181212	12/12/2018	SW8260	75-71-8	Dichlorodifluoromethane		U	0.0017	0.0034	mg/kg	UJ	c	ICV %D	20.9	20 %
4402275491	RIDB-35-100-20181212-FD	12/12/2018	SW8260	75-71-8	Dichlorodifluoromethane		U	0.0016	0.0033	mg/kg	UJ	c	ICV %D	20.9	20 %
4402275491	RIDB-35-10-20181212	12/12/2018	SW8260	75-71-8	Dichlorodifluoromethane		U	0.0012	0.0025	mg/kg	UJ	c	ICV %D	20.9	20 %
4402275491	RIDB-35-110-20181212	12/12/2018	SW8260	75-71-8	Dichlorodifluoromethane		U	0.0013	0.0026	mg/kg	UJ	c	ICV %D	20.9	20 %
4402275491	RIDB-35-1-20181212	12/12/2018	SW8260	75-71-8	Dichlorodifluoromethane		U	0.00099	0.0020	mg/kg	UJ	c	ICV %D	20.9	20 %
4402275491	RIDB-35-120-20181212	12/12/2018	SW8260	75-71-8	Dichlorodifluoromethane		U	0.0013	0.0027	mg/kg	UJ	c	ICV %D	20.9	20 %
4402275491	RIDB-35-130-20181212	12/12/2018	SW8260	75-71-8	Dichlorodifluoromethane		U	0.0014	0.0029	mg/kg	UJ	c	ICV %D	20.9	20 %
4402275491	RIDB-35-140-20181212	12/12/2018	SW8260	75-71-8	Dichlorodifluoromethane		U	0.0023	0.0046	mg/kg	UJ	c	ICV %D	20.9	20 %
4402275491	RIDB-35-150-20181212	12/12/2018	SW8260	75-71-8	Dichlorodifluoromethane		U	0.0014	0.0027	mg/kg	UJ	c	ICV %D	20.9	20 %
4402275491	RIDB-35-20181212-TB	12/12/2018	SW8260	75-71-8	Dichlorodifluoromethane		U	0.0010	0.0020	mg/kg	UJ	c	ICV %D	20.9	20 %
4402275491	RIDB-35-20-20181212	12/12/2018	SW8260	75-71-8	Dichlorodifluoromethane		U	0.0012	0.0025	mg/kg	UJ	c	ICV %D	20.9	20 %
4402275491	RIDB-35-30-20181212	12/12/2018	SW8260	75-71-8	Dichlorodifluoromethane		U	0.0014	0.0029	mg/kg	UJ	c	ICV %D	20.9	20 %
4402275491	RIDB-35-40-20181212	12/12/2018	SW8260	75-71-8	Dichlorodifluoromethane		U	0.0012	0.0025	mg/kg	UJ	c	ICV %D	20.9	20 %
4402275491	RIDB-35-50-20181212	12/12/2018	SW8260	75-71-8	Dichlorodifluoromethane		U	0.0020	0.0039	mg/kg	UJ	c	ICV %D	20.9	20 %
4402275491	RIDB-35-50-20181212	12/12/2018	SW8260	106-46-7	1,4-Dichlorobenzene	0.0039		0.00098	0.0020	mg/kg	J+	s	Surrogate %R (BFB)	121	79-120 %
4402275491	RIDB-35-50-20181212	12/12/2018	SW8260	67-66-3	Chloroform	0.46		0.088	0.18	mg/kg	J+	s	Surrogate %R (BFB)	121	79-120 %
4402275491	RIDB-35-50-20181212	12/12/2018	SW8260	95-50-1	1,2-Dichlorobenzene	0.0041		0.00098	0.0020	mg/kg	J+	s	Surrogate %R (BFB)	121	79-120 %
4402275491	RIDB-35-50-20181212	12/12/2018	SW8260	79-01-6	Trichloroethene	0.0074		0.00098	0.0020	mg/kg	J+	s	Surrogate %R (BFB)	121	79-120 %
4402275491	RIDB-35-50-20181212	12/12/2018	SW8260	124-48-1	Dibromochloromethane	0.0020		0.00098	0.0020	mg/kg	J+	s	Surrogate %R (BFB)	121	79-120 %
4402275491	RIDB-35-50-20181212	12/12/2018	SW8260	56-23-5	Carbon Tetrachloride	0.0017	J	0.00098	0.0039	mg/kg	J+	s,sp	Surrogate %R (BFB)	121	79-120 %
4402275491	RIDB-35-50-20181212	12/12/2018	SW8260	75-27-4	Bromodichloromethane	0.0033		0.00098	0.0020	mg/kg	J+	s	Surrogate %R (BFB)	121	79-120 %
4402275491	RIDB-35-50-20181212	12/12/2018	SW8260	75-25-2	Bromoform	0.013		0.0020	0.0039	mg/kg	J+	s	Surrogate %R (BFB)	121	79-120 %
4402275491	RIDB-35-5-20181212	12/12/2018	SW8260	67-66-3	Chloroform	0.00068	J	0.00059	0.0012	mg/kg	J	sp	< PQL		
4402275491	RIDB-35-5-20181212	12/12/2018	SW8260	75-71-8	Dichlorodifluoromethane		U	0.0012	0.0024	mg/kg	UJ	c	ICV %D	20.9	20 %

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte ¹	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator ²	Qualification Finding	Acceptance Criteria
4402275491	RIDB-35-60-20181212	12/12/2018	SW8260	75-27-4	Bromodichloromethane	0.0011	J	0.00090	0.0018	mg/kg	J	sp	< PQL		
4402275491	RIDB-35-60-20181212	12/12/2018	SW8260	75-25-2	Bromoform	0.0034	J	0.0018	0.0036	mg/kg	J	sp	< PQL		
4402275491	RIDB-35-60-20181212	12/12/2018	SW8260	75-71-8	Dichlorodifluoromethane		U	0.0018	0.0036	mg/kg	UJ	c	ICV %D	20.9	20 %
4402275491	RIDB-35-70-20181212	12/12/2018	SW8260	75-71-8	Dichlorodifluoromethane		U	0.0013	0.0026	mg/kg	UJ	c	ICV %D	20.9	20 %
4402275491	RIDB-35-80-20181212	12/12/2018	SW8260	75-71-8	Dichlorodifluoromethane		U	0.0014	0.0027	mg/kg	UJ	c	ICV %D	34.2	20 %
4402275491	RIDB-35-80-20181212	12/12/2018	SW8260	75-01-4	Vinyl Chloride		U	0.0014	0.0027	mg/kg	UJ	c	ICV %D	21.0	20 %
4402275491	RIDB-35-80-20181212	12/12/2018	SW8260	108-67-8	1,3,5-Trimethylbenzene		UF1	0.0014	0.0027	mg/kg	UJ	m	MS/MSD %R	-64	65-135 %
4402275491	RIDB-35-80-20181212	12/12/2018	SW8260	74-87-3	Chloromethane		U	0.0014	0.0027	mg/kg	UJ	c	ICV %D	23.8	20 %
4402275491	RIDB-35-90-20181212	12/12/2018	SW8260	75-71-8	Dichlorodifluoromethane		U	0.0014	0.0028	mg/kg	UJ	c	ICV %D	20.9	20 %
4402276791	RIDB-34-100-20181213	12/13/2018	SW8260	74-87-3	Chloromethane		U	0.0012	0.0024	mg/kg	UJ	c	ICV %D	29.0	20 %
4402276791	RIDB-34-100-20181213	12/13/2018	SW8260	75-71-8	Dichlorodifluoromethane		U	0.0012	0.0024	mg/kg	UJ	c	ICV %D	39.3	20 %
4402276791	RIDB-34-100-20181213	12/13/2018	SW8260	75-01-4	Vinyl Chloride		U	0.0012	0.0024	mg/kg	UJ	c	ICV %D	24.5	20 %
4402276791	RIDB-34-10-20181213	12/13/2018	SW8260	75-71-8	Dichlorodifluoromethane		U	0.00093	0.0019	mg/kg	UJ	c	ICV %D	20.9	20 %
4402276791	RIDB-34-10-20181213	12/13/2018	SW8260	106-46-7	1,4-Dichlorobenzene	0.00049	J	0.00046	0.00093	mg/kg	J	sp	< PQL		
4402276791	RIDB-34-110-20181213	12/13/2018	SW8260	75-01-4	Vinyl Chloride		U	0.0018	0.0035	mg/kg	UJ	c	ICV %D	24.5	20 %
4402276791	RIDB-34-110-20181213	12/13/2018	SW8260	74-87-3	Chloromethane		U	0.0018	0.0035	mg/kg	UJ	c	ICV %D	29.0	20 %
4402276791	RIDB-34-110-20181213	12/13/2018	SW8260	75-71-8	Dichlorodifluoromethane		U	0.0018	0.0035	mg/kg	UJ	c	ICV %D	39.3	20 %
4402276791	RIDB-34-120-20181213	12/13/2018	SW8260	74-87-3	Chloromethane		U	0.0015	0.0030	mg/kg	UJ	c	ICV %D	29.0	20 %
4402276791	RIDB-34-120-20181213	12/13/2018	SW8260	75-71-8	Dichlorodifluoromethane		U	0.0015	0.0030	mg/kg	UJ	c	ICV %D; CCV %D	39.3; 24.0	20 %
4402276791	RIDB-34-120-20181213	12/13/2018	SW8260	67-64-1	Acetone		U	0.012	0.030	mg/kg	UJ	c	CCV %D	26.6	20 %
4402276791	RIDB-34-120-20181213	12/13/2018	SW8260	75-01-4	Vinyl Chloride		U	0.0015	0.0030	mg/kg	UJ	c	ICV %D	24.5	20 %
4402276791	RIDB-34-130-20181213	12/13/2018	SW8260	74-87-3	Chloromethane		U	0.0019	0.0038	mg/kg	UJ	c	ICV %D	29.0	20 %
4402276791	RIDB-34-130-20181213	12/13/2018	SW8260	75-71-8	Dichlorodifluoromethane		U	0.0019	0.0038	mg/kg	UJ	c	ICV %D	39.3	20 %
4402276791	RIDB-34-130-20181213	12/13/2018	SW8260	75-01-4	Vinyl Chloride		U	0.0019	0.0038	mg/kg	UJ	c	ICV %D	24.5	20 %
4402276791	RIDB-34-140-20181213	12/13/2018	SW8260	74-87-3	Chloromethane		U	0.0014	0.0029	mg/kg	UJ	c	ICV %D	29.0	20 %
4402276791	RIDB-34-140-20181213	12/13/2018	SW8260	75-01-4	Vinyl Chloride		U	0.0014	0.0029	mg/kg	UJ	c	ICV %D	24.5	20 %
4402276791	RIDB-34-140-20181213	12/13/2018	SW8260	75-71-8	Dichlorodifluoromethane		U	0.0014	0.0029	mg/kg	UJ	c	ICV %D	39.3	20 %
4402276791	RIDB-34-140-20181213-FD	12/13/2018	SW8260	75-01-4	Vinyl Chloride		U	0.0013	0.0027	mg/kg	UJ	c	ICV %D	24.5	20 %
4402276791	RIDB-34-140-20181213-FD	12/13/2018	SW8260	74-87-3	Chloromethane		U	0.0013	0.0027	mg/kg	UJ	c	ICV %D	29.0	20 %
4402276791	RIDB-34-140-20181213-FD	12/13/2018	SW8260	75-71-8	Dichlorodifluoromethane		U	0.0013	0.0027	mg/kg	UJ	c	ICV %D	39.3	20 %
4402276791	RIDB-34-150-20181213	12/13/2018	SW8260	75-01-4	Vinyl Chloride		U	0.0014	0.0029	mg/kg	UJ	c	ICV %D	24.5	20 %
4402276791	RIDB-34-150-20181213	12/13/2018	SW8260	75-71-8	Dichlorodifluoromethane		U	0.0014	0.0029	mg/kg	UJ	c	ICV %D	39.3	20 %
4402276791	RIDB-34-150-20181213	12/13/2018	SW8260	74-87-3	Chloromethane		U	0.0014	0.0029	mg/kg	UJ	c	ICV %D	29.0	20 %
4402276791	RIDB-34-20181213-TB	12/13/2018	SW8260	75-71-8	Dichlorodifluoromethane		U	0.0010	0.0020	mg/kg	UJ	c	ICV %D	20.9	20 %
4402276791	RIDB-34-20-20181213	12/13/2018	SW8260	95-50-1	1,2-Dichlorobenzene	0.00096	J	0.00060	0.0012	mg/kg	J	sp	< PQL		
4402276791	RIDB-34-20-20181213	12/13/2018	SW8260	75-71-8	Dichlorodifluoromethane		U	0.0012	0.0024	mg/kg	UJ	c	ICV %D	20.9	20 %
4402276791	RIDB-34-20-20181213	12/13/2018	SW8260	87-61-6	1,2,3-Trichlorobenzene	0.0019	J	0.0012	0.0024	mg/kg	J	sp	< PQL		
4402276791	RIDB-34-20-20181213	12/13/2018	SW8260	106-46-7	1,4-Dichlorobenzene	0.00068	J	0.00060	0.0012	mg/kg	J	sp	< PQL		
4402276791	RIDB-34-30-20181213	12/13/2018	SW8260	75-71-8	Dichlorodifluoromethane		U	0.00095	0.0019	mg/kg	UJ	c	ICV %D	20.9	20 %
4402276791	RIDB-34-30-20181213	12/13/2018	SW8260	127-18-4	Tetrachloroethene	0.00079	J	0.00048	0.00095	mg/kg	J	sp	< PQL		
4402276791	RIDB-34-40-20181213	12/13/2018	SW8260	127-18-4	Tetrachloroethene	0.00065	J	0.00059	0.0012	mg/kg	J	sp	< PQL		
4402276791	RIDB-34-40-20181213	12/13/2018	SW8260	75-71-8	Dichlorodifluoromethane		U	0.0012	0.0024	mg/kg	UJ	c	ICV %D	20.9	20 %
4402276791	RIDB-34-50-20181213	12/13/2018	SW8260	95-50-1	1,2-Dichlorobenzene	0.00072	J	0.00061	0.0012	mg/kg	J	sp	< PQL		
4402276791	RIDB-34-50-20181213	12/13/2018	SW8260	67-66-3	Chloroform	0.17	F1F2	0.00061	0.0012	mg/kg	J	ld	MS/MSD RPD	28	20 %
4402276791	RIDB-34-50-20181213	12/13/2018	SW8260	120-82-1	1,2,4-Trichlorobenzene		UF1	0.0012	0.0061	mg/kg	UJ	m	MS/MSD %R	47,-	50-140 %
4402276791	RIDB-34-50-20181213	12/13/2018	SW8260	75-71-8	Dichlorodifluoromethane		U	0.0012	0.0024	mg/kg	UJ	c	ICV %D	20.9	20 %
4402276791	RIDB-34-60-20181213	12/13/2018	SW8260	75-71-8	Dichlorodifluoromethane		U	0.0017	0.0033	mg/kg	UJ	c	ICV %D	20.9	20 %
4402276791	RIDB-34-60-20181213	12/13/2018	SW8260	75-27-4	Bromodichloromethane	0.0011	J	0.00084	0.0017	mg/kg	J	sp	< PQL		
4402276791	RIDB-34-70-20181213	12/13/2018	SW8260	75-71-8	Dichlorodifluoromethane		U	0.0015	0.0031	mg/kg	UJ	c	ICV %D; CCV %D	39.3; 24.0	20 %
4402276791	RIDB-34-70-20181213	12/13/2018	SW8260	75-01-4	Vinyl Chloride		U	0.0015	0.0031	mg/kg	UJ	c	ICV %D	24.5	20 %
4402276791	RIDB-34-70-20181213	12/13/2018	SW8260	67-64-1	Acetone		U	0.012	0.031	mg/kg	UJ	c	CCV %D	26.6	20 %
4402276791	RIDB-34-70-20181213	12/13/2018	SW8260	87-61-6	1,2,3-Trichlorobenzene	0.0038		0.0015	0.0031	mg/kg	J+	c	ICV %D	21.4	20 %
4402276791	RIDB-34-70-20181213	12/13/2018	SW8260	74-87-3	Chloromethane		U	0.0015	0.0031	mg/kg	UJ	c	ICV %D	29.0	20 %
4402276791	RIDB-34-70-20181213	12/13/2018	SW8260	91-20-3	Naphthalene	0.0046		0.0015	0.0031	mg/kg	J+	c	ICV %D	31.2	20 %
4402276791	RIDB-34-70-20181213-FD	12/13/2018	SW8260	67-66-3	Chloroform	0.0011	JH	0.00072	0.0014	mg/kg	J	sp	< PQL		
4402276791	RIDB-34-70-20181213-FD	12/13/2018	SW8260	75-01-4	Vinyl Chloride		U	0.0014	0.0029	mg/kg	UJ	c	ICV %D	24.5	20 %

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte ¹	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator ²	Qualification Finding	Acceptance Criteria
4402276791	RIDB-34-70-20181213-FD	12/13/2018	SW8260	67-64-1	Acetone		U	0.012	0.029	mg/kg	UJ	c	CCV %D	26.6	20 %
4402276791	RIDB-34-70-20181213-FD	12/13/2018	SW8260	75-71-8	Dichlorodifluoromethane		U	0.0014	0.0029	mg/kg	UJ	c	ICV %D; CCV %D	39.3; 24.0	20 %
4402276791	RIDB-34-70-20181213-FD	12/13/2018	SW8260	91-20-3	Naphthalene	0.0016	J	0.0014	0.0029	mg/kg	J+	c,sp	ICV %D	31.2	20 %
4402276791	RIDB-34-70-20181213-FD	12/13/2018	SW8260	74-87-3	Chloromethane		U	0.0014	0.0029	mg/kg	UJ	c	ICV %D	29.0	20 %
4402276791	RIDB-34-80-20181213	12/13/2018	SW8260	75-01-4	Vinyl Chloride		U	0.0011	0.0022	mg/kg	UJ	c	ICV %D	24.5	20 %
4402276791	RIDB-34-80-20181213	12/13/2018	SW8260	67-64-1	Acetone		U	0.0087	0.022	mg/kg	UJ	c	CCV %D	26.6	20 %
4402276791	RIDB-34-80-20181213	12/13/2018	SW8260	74-87-3	Chloromethane		U	0.0011	0.0022	mg/kg	UJ	c	ICV %D	29.0	20 %
4402276791	RIDB-34-80-20181213	12/13/2018	SW8260	75-71-8	Dichlorodifluoromethane		U	0.0011	0.0022	mg/kg	UJ	c	ICV %D; CCV %D	39.3; 24.0	20 %
4402276791	RIDB-34-90-20181213	12/13/2018	SW8260	75-01-4	Vinyl Chloride		U	0.00096	0.0019	mg/kg	UJ	c	ICV %D	24.5	20 %
4402276791	RIDB-34-90-20181213	12/13/2018	SW8260	75-71-8	Dichlorodifluoromethane		U	0.00096	0.0019	mg/kg	UJ	c	ICV %D	39.3	20 %
4402276791	RIDB-34-90-20181213	12/13/2018	SW8260	74-87-3	Chloromethane		U	0.00096	0.0019	mg/kg	UJ	c	ICV %D	29.0	20 %
4402276791	RIDB-36-10-20181213	12/13/2018	SW8260	75-71-8	Dichlorodifluoromethane		U	0.0011	0.0021	mg/kg	UJ	c	ICV %D	39.3	20 %
4402276791	RIDB-36-10-20181213	12/13/2018	SW8260	75-01-4	Vinyl Chloride		U	0.0011	0.0021	mg/kg	UJ	c	ICV %D	24.5	20 %
4402276791	RIDB-36-10-20181213	12/13/2018	SW8260	74-87-3	Chloromethane		U	0.0011	0.0021	mg/kg	UJ	c	ICV %D	29.0	20 %
4402276791	RIDB-36-1-20181213	12/13/2018	SW8260	75-71-8	Dichlorodifluoromethane		U	0.00094	0.0019	mg/kg	UJ	c	ICV %D	39.3	20 %
4402276791	RIDB-36-1-20181213	12/13/2018	SW8260	74-87-3	Chloromethane		U	0.00094	0.0019	mg/kg	UJ	c	ICV %D	29.0	20 %
4402276791	RIDB-36-1-20181213	12/13/2018	SW8260	75-01-4	Vinyl Chloride		U	0.00094	0.0019	mg/kg	UJ	c	ICV %D	24.5	20 %
4402276791	RIDB-36-20-20181213	12/13/2018	SW8260	75-01-4	Vinyl Chloride		U	0.0011	0.0021	mg/kg	UJ	c	ICV %D	24.5	20 %
4402276791	RIDB-36-20-20181213	12/13/2018	SW8260	106-46-7	1,4-Dichlorobenzene	0.00054	J	0.00053	0.0011	mg/kg	J	sp	< PQL		
4402276791	RIDB-36-20-20181213	12/13/2018	SW8260	74-87-3	Chloromethane		U	0.0011	0.0021	mg/kg	UJ	c	ICV %D	29.0	20 %
4402276791	RIDB-36-20-20181213	12/13/2018	SW8260	87-61-6	1,2,3-Trichlorobenzene	0.0039		0.0011	0.0021	mg/kg	J+	c	ICV %D	2.14	20 %
4402276791	RIDB-36-20-20181213	12/13/2018	SW8260	75-71-8	Dichlorodifluoromethane		U	0.0011	0.0021	mg/kg	UJ	c	ICV %D	39.3	20 %
4402276791	RIDB-36-30-20181213	12/13/2018	SW8260	74-87-3	Chloromethane		U	0.0012	0.0024	mg/kg	UJ	c	ICV %D	29.0	20 %
4402276791	RIDB-36-30-20181213	12/13/2018	SW8260	75-71-8	Dichlorodifluoromethane		U	0.0012	0.0024	mg/kg	UJ	c	ICV %D	39.3	20 %
4402276791	RIDB-36-30-20181213	12/13/2018	SW8260	127-18-4	Tetrachloroethene	0.00062	J	0.00060	0.0012	mg/kg	J	sp	< PQL		
4402276791	RIDB-36-30-20181213	12/13/2018	SW8260	75-01-4	Vinyl Chloride		U	0.0012	0.0024	mg/kg	UJ	c	ICV %D	24.5	20 %
4402276791	RIDB-36-40-20181213	12/13/2018	SW8260	74-87-3	Chloromethane		U	0.0016	0.0032	mg/kg	UJ	c	ICV %D	29.0	20 %
4402276791	RIDB-36-40-20181213	12/13/2018	SW8260	75-71-8	Dichlorodifluoromethane		U	0.0016	0.0032	mg/kg	UJ	c	ICV %D	39.3	20 %
4402276791	RIDB-36-40-20181213	12/13/2018	SW8260	75-01-4	Vinyl Chloride		U	0.0016	0.0032	mg/kg	UJ	c	ICV %D	24.5	20 %
4402276791	RIDB-36-40-20181213	12/13/2018	SW8260	127-18-4	Tetrachloroethene	0.00090	J	0.00079	0.0016	mg/kg	J	sp	< PQL		
4402276791	RIDB-36-50-20181213	12/13/2018	SW8260	75-71-8	Dichlorodifluoromethane		U	0.0022	0.0043	mg/kg	UJ	c	ICV %D	39.3	20 %
4402276791	RIDB-36-50-20181213	12/13/2018	SW8260	74-87-3	Chloromethane		U	0.0022	0.0043	mg/kg	UJ	c	ICV %D	29.0	20 %
4402276791	RIDB-36-50-20181213	12/13/2018	SW8260	75-01-4	Vinyl Chloride		U	0.0022	0.0043	mg/kg	UJ	c	ICV %D	24.5	20 %
4402276791	RIDB-36-50-20181213	12/13/2018	SW8260	56-23-5	Carbon Tetrachloride	0.0011	J	0.0011	0.0043	mg/kg	J	sp	< PQL		
4402276791	RIDB-36-5-20181213	12/13/2018	SW8260	75-01-4	Vinyl Chloride		U	0.0010	0.0020	mg/kg	UJ	c	ICV %D	24.5	20 %
4402276791	RIDB-36-5-20181213	12/13/2018	SW8260	74-87-3	Chloromethane		U	0.0010	0.0020	mg/kg	UJ	c	ICV %D	29.0	20 %
4402276791	RIDB-36-5-20181213	12/13/2018	SW8260	75-71-8	Dichlorodifluoromethane		U	0.0010	0.0020	mg/kg	UJ	c	ICV %D	39.3	20 %
4402279111	RIDB-36-100-20181214	12/14/2018	SW8260	75-01-4	Vinyl Chloride		U	0.0019	0.0037	mg/kg	UJ	c	ICV %D	24.5	20 %
4402279111	RIDB-36-100-20181214	12/14/2018	SW8260	91-20-3	Naphthalene		UH	0.0016	0.0032	mg/kg	UJ	c	CCV %D	21.0	20 %
4402279111	RIDB-36-100-20181214	12/14/2018	SW8260	75-71-8	Dichlorodifluoromethane		U	0.0019	0.0037	mg/kg	UJ	c	ICV %D	39.3	20 %
4402279111	RIDB-36-100-20181214	12/14/2018	SW8260	74-87-3	Chloromethane		U	0.0019	0.0037	mg/kg	UJ	c	ICV %D	29.0	20 %
4402279111	RIDB-36-110-20181214	12/14/2018	SW8260	74-87-3	Chloromethane		U	0.0017	0.0034	mg/kg	UJ	c	ICV %D	29.0	20 %
4402279111	RIDB-36-110-20181214	12/14/2018	SW8260	75-71-8	Dichlorodifluoromethane		U	0.0017	0.0034	mg/kg	UJ	c	ICV %D	39.3	20 %
4402279111	RIDB-36-110-20181214	12/14/2018	SW8260	75-01-4	Vinyl Chloride		U	0.0017	0.0034	mg/kg	UJ	c	ICV %D	24.5	20 %
4402279111	RIDB-36-120-20181214	12/14/2018	SW8260	75-71-8	Dichlorodifluoromethane		U	0.0014	0.0029	mg/kg	UJ	c	ICV %D	39.3	20 %
4402279111	RIDB-36-120-20181214	12/14/2018	SW8260	74-87-3	Chloromethane		U	0.0014	0.0029	mg/kg	UJ	c	ICV %D	29.0	20 %
4402279111	RIDB-36-120-20181214	12/14/2018	SW8260	75-01-4	Vinyl Chloride		U	0.0014	0.0029	mg/kg	UJ	c	ICV %D	24.5	20 %
4402279111	RIDB-36-120-20181214-FD	12/14/2018	SW8260	75-71-8	Dichlorodifluoromethane		U	0.0014	0.0028	mg/kg	UJ	c	ICV %D	39.3	20 %
4402279111	RIDB-36-120-20181214-FD	12/14/2018	SW8260	75-01-4	Vinyl Chloride		U	0.0014	0.0028	mg/kg	UJ	c	ICV %D	24.5	20 %
4402279111	RIDB-36-120-20181214-FD	12/14/2018	SW8260	74-87-3	Chloromethane		U	0.0014	0.0028	mg/kg	UJ	c	ICV %D	29.0	20 %
4402279111	RIDB-36-130-20181214	12/14/2018	SW8260	106-46-7	1,4-Dichlorobenzene		U*	0.00088	0.0018	mg/kg	UJ	i	IS area (1,4-Dichlorobenzene-d4)	205536	207791-831162 Area
4402279111	RIDB-36-130-20181214	12/14/2018	SW8260	87-68-3	Hexachlorobutadiene		U*	0.0018	0.0035	mg/kg	UJ	i	IS area (1,4-Dichlorobenzene-d4)	205536	207791-831162 Area
4402279111	RIDB-36-130-20181214	12/14/2018	SW8260	87-61-6	1,2,3-Trichlorobenzene		U*	0.0018	0.0035	mg/kg	UJ	i	IS area (1,4-Dichlorobenzene-d4)	205536	207791-831162 Area
4402279111	RIDB-36-130-20181214	12/14/2018	SW8260	96-18-4	1,2,3-Trichloropropane		U*	0.0018	0.018	mg/kg	UJ	i	IS area (1,4-Dichlorobenzene-d4)	205536	207791-831162 Area
4402279111	RIDB-36-130-20181214	12/14/2018	SW8260	120-82-1	1,2,4-Trichlorobenzene		U*	0.0018	0.0088	mg/kg	UJ	i	IS area (1,4-Dichlorobenzene-d4)	205536	207791-831162 Area
4402279111	RIDB-36-130-20181214	12/14/2018	SW8260	74-87-3	Chloromethane		U	0.0018	0.0035	mg/kg	UJ	c	ICV %D	29.0	20 %

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte ¹	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator ²	Qualification Finding	Acceptance Criteria
4402279111	RIDB-36-130-20181214	12/14/2018	SW8260	108-86-1	Bromobenzene		U*	0.0018	0.0035	mg/kg	UJ	i	IS area (1,4-Dichlorobenzene-d4)	205536	207791-831162 Area
4402279111	RIDB-36-130-20181214	12/14/2018	SW8260	95-50-1	1,2-Dichlorobenzene		U*	0.00088	0.0018	mg/kg	UJ	i	IS area (1,4-Dichlorobenzene-d4)	205536	207791-831162 Area
4402279111	RIDB-36-130-20181214	12/14/2018	SW8260	103-65-1	n-Propylbenzene		U*	0.00088	0.0018	mg/kg	UJ	i	IS area (1,4-Dichlorobenzene-d4)	205536	207791-831162 Area
4402279111	RIDB-36-130-20181214	12/14/2018	SW8260	108-67-8	1,3,5-Trimethylbenzene		U*	0.0018	0.0035	mg/kg	UJ	i	IS area (1,4-Dichlorobenzene-d4)	205536	207791-831162 Area
4402279111	RIDB-36-130-20181214	12/14/2018	SW8260	135-98-8	sec-Butylbenzene		U*	0.0018	0.0035	mg/kg	UJ	i	IS area (1,4-Dichlorobenzene-d4)	205536	207791-831162 Area
4402279111	RIDB-36-130-20181214	12/14/2018	SW8260	75-01-4	Vinyl Chloride		U	0.0018	0.0035	mg/kg	UJ	c	ICV %D	24.5	20 %
4402279111	RIDB-36-130-20181214	12/14/2018	SW8260	75-71-8	Dichlorodifluoromethane		U	0.0018	0.0035	mg/kg	UJ	c	ICV %D	39.3	20 %
4402279111	RIDB-36-130-20181214	12/14/2018	SW8260	104-51-8	n-Butylbenzene		U*	0.0018	0.0035	mg/kg	UJ	i	IS area (1,4-Dichlorobenzene-d4)	205536	207791-831162 Area
4402279111	RIDB-36-130-20181214	12/14/2018	SW8260	96-12-8	1,2-Dibromo-3-chloropropane		U*	0.0035	0.0088	mg/kg	UJ	i	IS area (1,4-Dichlorobenzene-d4)	205536	207791-831162 Area
4402279111	RIDB-36-130-20181214	12/14/2018	SW8260	91-20-3	Naphthalene		U*	0.0018	0.0035	mg/kg	UJ	i	IS area (1,4-Dichlorobenzene-d4)	205536	207791-831162 Area
4402279111	RIDB-36-130-20181214	12/14/2018	SW8260	95-63-6	1,2,4-Trimethylbenzene		U*	0.0018	0.0035	mg/kg	UJ	i	IS area (1,4-Dichlorobenzene-d4)	205536	207791-831162 Area
4402279111	RIDB-36-130-20181214	12/14/2018	SW8260	98-06-6	tert-Butylbenzene		U*	0.0018	0.0035	mg/kg	UJ	i	IS area (1,4-Dichlorobenzene-d4)	205536	207791-831162 Area
4402279111	RIDB-36-130-20181214	12/14/2018	SW8260	95-49-8	2-Chlorotoluene		U*	0.0018	0.0035	mg/kg	UJ	i	IS area (1,4-Dichlorobenzene-d4)	205536	207791-831162 Area
4402279111	RIDB-36-130-20181214	12/14/2018	SW8260	99-87-6	p-Cymene		U*	0.00088	0.0018	mg/kg	UJ	i	IS area (1,4-Dichlorobenzene-d4)	205536	207791-831162 Area
4402279111	RIDB-36-130-20181214	12/14/2018	SW8260	541-73-1	1,3-Dichlorobenzene		U*	0.00088	0.0018	mg/kg	UJ	i	IS area (1,4-Dichlorobenzene-d4)	205536	207791-831162 Area
4402279111	RIDB-36-130-20181214	12/14/2018	SW8260	106-43-4	4-Chlorotoluene		U*	0.0018	0.0035	mg/kg	UJ	i	IS area (1,4-Dichlorobenzene-d4)	205536	207791-831162 Area
4402279111	RIDB-36-130-20181214	12/14/2018	SW8260	79-34-5	1,1,2,2-Tetrachloroethane		U*	0.0018	0.0035	mg/kg	UJ	i	IS area (1,4-Dichlorobenzene-d4)	205536	207791-831162 Area
4402279111	RIDB-36-140-20181214	12/14/2018	SW8260	75-01-4	Vinyl Chloride		U	0.0018	0.0037	mg/kg	UJ	c	ICV %D	24.5	20 %
4402279111	RIDB-36-140-20181214	12/14/2018	SW8260	74-87-3	Chloromethane		U	0.0018	0.0037	mg/kg	UJ	c	ICV %D	29.0	20 %
4402279111	RIDB-36-140-20181214	12/14/2018	SW8260	75-71-8	Dichlorodifluoromethane		U	0.0018	0.0037	mg/kg	UJ	c	ICV %D	39.3	20 %
4402279111	RIDB-36-150-20181214	12/14/2018	SW8260	75-01-4	Vinyl Chloride		U	0.0018	0.0037	mg/kg	UJ	c	ICV %D	24.5	20 %
4402279111	RIDB-36-150-20181214	12/14/2018	SW8260	75-71-8	Dichlorodifluoromethane		U	0.0018	0.0037	mg/kg	UJ	c	ICV %D	39.3	20 %
4402279111	RIDB-36-150-20181214	12/14/2018	SW8260	74-87-3	Chloromethane		U	0.0018	0.0037	mg/kg	UJ	c	ICV %D	29.0	20 %
4402279111	RIDB-36-20181214-TB	12/14/2018	SW8260	74-87-3	Chloromethane		U	0.0010	0.0020	mg/kg	UJ	c	ICV %D	29.0	20 %
4402279111	RIDB-36-20181214-TB	12/14/2018	SW8260	75-71-8	Dichlorodifluoromethane		U	0.0010	0.0020	mg/kg	UJ	c	ICV %D	39.3	20 %
4402279111	RIDB-36-20181214-TB	12/14/2018	SW8260	75-01-4	Vinyl Chloride		U	0.0010	0.0020	mg/kg	UJ	c	ICV %D	24.5	20 %
4402279111	RIDB-36-60-20181214	12/14/2018	SW8260	79-01-6	Trichloroethene	0.0014	J	0.0010	0.0021	mg/kg	J	sp	< PQL		
4402279111	RIDB-36-60-20181214	12/14/2018	SW8260	75-01-4	Vinyl Chloride		U	0.0021	0.0041	mg/kg	UJ	c	ICV %D	24.5	20 %
4402279111	RIDB-36-60-20181214	12/14/2018	SW8260	106-46-7	1,4-Dichlorobenzene	0.0010	J	0.0010	0.0021	mg/kg	J	sp	< PQL		
4402279111	RIDB-36-60-20181214	12/14/2018	SW8260	74-87-3	Chloromethane		U	0.0021	0.0041	mg/kg	UJ	c	ICV %D	29.0	20 %
4402279111	RIDB-36-60-20181214	12/14/2018	SW8260	56-23-5	Carbon Tetrachloride	0.0018	J	0.0010	0.0041	mg/kg	J	sp	< PQL		
4402279111	RIDB-36-60-20181214	12/14/2018	SW8260	75-25-2	Bromoform	0.0028	J	0.0021	0.0041	mg/kg	J	sp	< PQL		
4402279111	RIDB-36-60-20181214	12/14/2018	SW8260	75-71-8	Dichlorodifluoromethane		U	0.0021	0.0041	mg/kg	UJ	c	ICV %D	39.3	20 %
4402279111	RIDB-36-70-20181214	12/14/2018	SW8260	74-87-3	Chloromethane		U	0.0018	0.0036	mg/kg	UJ	c	ICV %D	29.0	20 %
4402279111	RIDB-36-70-20181214	12/14/2018	SW8260	75-71-8	Dichlorodifluoromethane		U	0.0018	0.0036	mg/kg	UJ	c	ICV %D	39.3	20 %
4402279111	RIDB-36-70-20181214	12/14/2018	SW8260	75-01-4	Vinyl Chloride		U	0.0018	0.0036	mg/kg	UJ	c	ICV %D	24.5	20 %
4402279111	RIDB-36-80-20181214	12/14/2018	SW8260	74-87-3	Chloromethane		U	0.0013	0.0026	mg/kg	UJ	c	ICV %D	29.0	20 %
4402279111	RIDB-36-80-20181214	12/14/2018	SW8260	75-01-4	Vinyl Chloride		U	0.0013	0.0026	mg/kg	UJ	c	ICV %D	24.5	20 %
4402279111	RIDB-36-80-20181214	12/14/2018	SW8260	75-71-8	Dichlorodifluoromethane		U	0.0013	0.0026	mg/kg	UJ	c	ICV %D	39.3	20 %
4402279111	RIDB-36-90-20181214	12/14/2018	SW8260	75-01-4	Vinyl Chloride		U	0.0015	0.0030	mg/kg	UJ	c	ICV %D	24.5	20 %
4402279111	RIDB-36-90-20181214	12/14/2018	SW8260	74-87-3	Chloromethane		U	0.0015	0.0030	mg/kg	UJ	c	ICV %D	29.0	20 %
4402279111	RIDB-36-90-20181214	12/14/2018	SW8260	75-71-8	Dichlorodifluoromethane		U	0.0015	0.0030	mg/kg	UJ	c	ICV %D	39.3	20 %
4402337791	20190215-TB	2/15/2019	SW8260	75-09-2	Methylene Chloride	0.94	J	0.88	2.0	ug/l	J	sp	< PQL		
4402337791	M-269-20190215	2/15/2019	SW8260	108-88-3	Toluene	0.72	J	0.50	1.0	ug/l	J	sp	< PQL		
4402359771	M-269-20190311	3/11/2019	SW8260	56-23-5	Carbon Tetrachloride	0.27	J	0.25	0.50	ug/l	J	sp	< PQL		
4402360911	M-270-20190312	3/12/2019	SW8260	67-66-3	Chloroform	0.48	J	0.25	0.50	ug/l	J	sp	< PQL		
4402362141	M-261-20190313	3/13/2019	SW8260	75-09-2	Methylene Chloride	1.5	J	0.88	2.0	ug/l	J	sp	< PQL		
4402362171	MC-09R-20190313	3/13/2019	SW8260	108-90-7	Chlorobenzene	0.44	J	0.25	0.50	ug/l	J	sp	< PQL		
4402362171	MC-09R-20190313	3/13/2019	SW8260	67-66-3	Chloroform	0.38	J	0.25	0.50	ug/l	J	sp	< PQL		
4402362171	MC-09R-20190313	3/13/2019	SW8260	87-61-6	1,2,3-Trichlorobenzene	0.50	J	0.40	1.0	ug/l	J	sp	< PQL		
4402362171	MC-09R-20190313	3/13/2019	SW8260	75-00-3	Chloroethane	0.44	J	0.40	1.0	ug/l	J	sp	< PQL		
4402362171	MC-111-20190313	3/13/2019	SW8260	71-43-2	Benzene	0.40	J	0.25	0.50	ug/l	J	sp	< PQL		
4402362171	MC-29-20190313	3/13/2019	SW8260	75-34-3	1,1-Dichloroethane	60	J	50	100	ug/l	J	sp	< PQL		
4402362171	MC-29-20190313-TB	3/13/2019	SW8260	95-49-8	2-Chlorotoluene		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4402362171	MC-29-20190313-TB	3/13/2019	SW8260	75-71-8	Dichlorodifluoromethane		U	0.40	1.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4402362171	MC-29-20190313-TB	3/13/2019	SW8260	124-48-1	Dibromochloromethane		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 ¹	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator ²	Qualification Finding	Acceptance Criteria
4402362171	MC-29-20190313-TB	3/13/2019	SW8260	79-00-5	1,1,2-Trichloroethane	U		0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4402362171	MC-29-20190313-TB	3/13/2019	SW8260	95-47-6	ortho-xylene	U		0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4402362171	MC-29-20190313-TB	3/13/2019	SW8260	99-87-6	p-Cymene	U		0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4402362171	MC-29-20190313-TB	3/13/2019	SW8260	75-69-4	Trichlorofluoromethane	U		0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4402362171	MC-29-20190313-TB	3/13/2019	SW8260	95-63-6	1,2,4-Trimethylbenzene	U		0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4402362171	MC-29-20190313-TB	3/13/2019	SW8260	104-51-8	n-Butylbenzene	U		0.40	1.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4402362171	MC-29-20190313-TB	3/13/2019	SW8260	74-95-3	Dibromomethane	U		0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4402362171	MC-29-20190313-TB	3/13/2019	SW8260	74-83-9	Bromomethane	U		0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4402362171	MC-29-20190313-TB	3/13/2019	SW8260	75-01-4	Vinyl Chloride	U		0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4402362171	MC-29-20190313-TB	3/13/2019	SW8260	106-43-4	4-Chlorotoluene	U		0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4402362171	MC-29-20190313-TB	3/13/2019	SW8260	78-87-5	1,2-Dichloropropane	U		0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4402362171	MC-29-20190313-TB	3/13/2019	SW8260	75-27-4	Bromodichloromethane	U		0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4402362171	MC-29-20190313-TB	3/13/2019	SW8260	91-20-3	Naphthalene	U		0.40	1.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4402362171	MC-29-20190313-TB	3/13/2019	SW8260	96-12-8	1,2-Dibromo-3-chloropropane	U		0.50	1.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4402362171	MC-29-20190313-TB	3/13/2019	SW8260	75-00-3	Chloroethane	U		0.40	1.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4402362171	MC-29-20190313-TB	3/13/2019	SW8260	71-55-6	1,1,1-Trichloroethane	U		0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4402362171	MC-29-20190313-TB	3/13/2019	SW8260	630-20-6	1,1,1,2-Tetrachloroethane	U		0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4402362171	MC-29-20190313-TB	3/13/2019	SW8260	78-93-3	2-Butanone	U		2.5	5.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4402362171	MC-29-20190313-TB	3/13/2019	SW8260	75-35-4	1,1-Dichloroethene	U		0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4402362171	MC-29-20190313-TB	3/13/2019	SW8260	56-23-5	Carbon Tetrachloride	U		0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4402362171	MC-29-20190313-TB	3/13/2019	SW8260	75-09-2	Methylene Chloride	U		0.88	2.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4402362171	MC-29-20190313-TB	3/13/2019	SW8260	156-60-5	trans-1,2-Dichloroethene	U		0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4402362171	MC-29-20190313-TB	3/13/2019	SW8260	100-41-4	Ethyl Benzene	U		0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4402362171	MC-29-20190313-TB	3/13/2019	SW8260	100-42-5	Styrene	U		0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4402362171	MC-29-20190313-TB	3/13/2019	SW8260	142-28-9	1,3-Dichloropropane	U		0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4402362171	MC-29-20190313-TB	3/13/2019	SW8260	127-18-4	Tetrachloroethene	U		0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4402362171	MC-29-20190313-TB	3/13/2019	SW8260	136777-61-2	m,p-xylene	U		0.50	1.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4402362171	MC-29-20190313-TB	3/13/2019	SW8260	106-46-7	1,4-Dichlorobenzene	U		0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4402362171	MC-29-20190313-TB	3/13/2019	SW8260	87-68-3	Hexachlorobutadiene	U		0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4402362171	MC-29-20190313-TB	3/13/2019	SW8260	108-88-3	Toluene	U		0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4402362171	MC-29-20190313-TB	3/13/2019	SW8260	79-34-5	1,1,2,2-Tetrachloroethane	U		0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4402362171	MC-29-20190313-TB	3/13/2019	SW8260	95-50-1	1,2-Dichlorobenzene	U		0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4402362171	MC-29-20190313-TB	3/13/2019	SW8260	75-25-2	Bromoform	U		0.40	1.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4402362171	MC-29-20190313-TB	3/13/2019	SW8260	79-01-6	Trichloroethene	U		0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4402362171	MC-29-20190313-TB	3/13/2019	SW8260	103-65-1	n-Propylbenzene	U		0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4402362171	MC-29-20190313-TB	3/13/2019	SW8260	108-67-8	1,3,5-Trimethylbenzene	U		0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4402362171	MC-29-20190313-TB	3/13/2019	SW8260	135-98-8	sec-Butylbenzene	U		0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4402362171	MC-29-20190313-TB	3/13/2019	SW8260	108-90-7	Chlorobenzene	U		0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4402362171	MC-29-20190313-TB	3/13/2019	SW8260	541-73-1	1,3-Dichlorobenzene	U		0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4402362171	MC-29-20190313-TB	3/13/2019	SW8260	67-66-3	Chloroform	U		0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4402362171	MC-29-20190313-TB	3/13/2019	SW8260	87-61-6	1,2,3-Trichlorobenzene	U		0.40	1.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4402362171	MC-29-20190313-TB	3/13/2019	SW8260	10061-02-6	trans-1,3-Dichloropropene	U		0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4402362171	MC-29-20190313-TB	3/13/2019	SW8260	107-06-2	1,2-Dichloroethane	U		0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4402362171	MC-29-20190313-TB	3/13/2019	SW8260	96-18-4	1,2,3-Trichloropropane	U		0.40	1.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4402362171	MC-29-20190313-TB	3/13/2019	SW8260	156-59-2	cis-1,2-Dichloroethene	U		0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4402362171	MC-29-20190313-TB	3/13/2019	SW8260	637-92-3	Ethyl tert-butyl ether	U		0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4402362171	MC-29-20190313-TB	3/13/2019	SW8260	74-87-3	Chloromethane	U		0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4402362171	MC-29-20190313-TB	3/13/2019	SW8260	120-82-1	1,2,4-Trichlorobenzene	U		0.40	1.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4402362171	MC-29-20190313-TB	3/13/2019	SW8260	108-86-1	Bromobenzene	U		0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4402362171	MC-29-20190313-TB	3/13/2019	SW8260	10061-01-5	cis-1,3-Dichloropropene	U		0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4402362171	MC-29-20190313-TB	3/13/2019	SW8260	71-43-2	Benzene	U		0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4402362171	MC-29-20190313-TB	3/13/2019	SW8260	74-97-5	Bromochloromethane	U		0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4402362171	MC-29-20190313-TB	3/13/2019	SW8260	75-34-3	1,1-Dichloroethane	U		0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4402362171	MC-29-20190313-TB	3/13/2019	SW8260	98-82-8	Cumene	U		0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4402362171	MC-29-20190313-TB	3/13/2019	SW8260	98-06-6	tert-Butylbenzene	U		0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4402362171	MC-29-20190313-TB	3/13/2019	SW8260	563-58-6	1,1-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 ¹	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator ²	Qualification Finding	Acceptance Criteria
4402362171	MC-29-20190313-TB	3/13/2019	SW8260	106-93-4	1,2-Dibromoethane		U	0.25	0.50	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4402362171	MC-29-20190313-TB	3/13/2019	SW8260	594-20-7	2,2-Dichloropropane		U	0.40	1.0	ug/l	UJ	vh	Sample receipt	Headspace in containers	< 6 mm
4402362171	MC-94-20190313	3/13/2019	SW8260	71-43-2	Benzene	0.28	J	0.25	0.50	ug/l	J	sp	< PQL		
4402362171	MC-94-20190313	3/13/2019	SW8260	79-01-6	Trichloroethene	0.27	J	0.25	0.50	ug/l	J	sp	< PQL		
4402362171	MC-94-20190313-FD	3/13/2019	SW8260	79-01-6	Trichloroethene	0.28	J	0.25	0.50	ug/l	J	sp	< PQL		
4402362171	MC-97-20190313	3/13/2019	SW8260	79-01-6	Trichloroethene	0.25	J	0.25	0.50	ug/l	J	sp	< PQL		
4402362171	MC-97-20190313	3/13/2019	SW8260	74-87-3	Chloromethane	0.25	J	0.25	0.50	ug/l	J	sp	< PQL		
4402075141	MC-65R2-20180329	3/29/2018	SW8260BSIM	123-91-1	1,4-Dioxane	1.4	J	0.50	2.0	ug/l	J	sp	< PQL		
4402075141	PC-187R-20180329	3/29/2018	SW8260BSIM	123-91-1	1,4-Dioxane	0.82	J	0.50	2.0	ug/l	J	sp	< PQL		
4402244261	PC-172D-20181114	11/14/2018	SW8260BSIM	123-91-1	1,4-Dioxane	0.77	J	0.50	2.0	ug/l	J	sp	< PQL		
4402244261	PC-176-20181114	11/14/2018	SW8260BSIM	123-91-1	1,4-Dioxane	0.69	J	0.50	2.0	ug/l	J	sp	< PQL		
4402337791	M-269-20190215	2/15/2019	SW8260BSIM	96-18-4	1,2,3-Trichloropropane	0.15	F1	0.0025	0.0050	ug/l	J-	m	MS/MSD %R	-.53	55-135 %
4402362171	MC-09R-20190313	3/13/2019	SW8260BSIM	96-18-4	1,2,3-Trichloropropane	0.0042	J	0.0025	0.0050	ug/l	J	sp	< PQL		
4402362171	MC-94-20190313	3/13/2019	SW8260BSIM	96-18-4	1,2,3-Trichloropropane	0.0037	J	0.0025	0.0050	ug/l	J	sp	< PQL		
4402362171	MC-94-20190313-FD	3/13/2019	SW8260BSIM	96-18-4	1,2,3-Trichloropropane	0.0041	J	0.0025	0.0050	ug/l	J	sp	< PQL		
4402363241	M-263-20190314	3/14/2019	SW8260BSIM	123-91-1	1,4-Dioxane	1.0	J	0.50	2.0	ug/l	J	sp	< PQL		
4402363241	M-267-20190314	3/14/2019	SW8260BSIM	96-18-4	1,2,3-Trichloropropane	0.0042	J	0.0025	0.0050	ug/l	J	sp	< PQL		
320481651	RISG-11-15.0-20190307	3/7/2019	TO15	67-64-1	Acetone	90	J	29	320	ug/m3	J	sp	< PQL		
320481651	RISG-11-15.0-20190307	3/7/2019	TO15	127-18-4	Tetrachloroethene	98	J	23	180	ug/m3	J	sp	< PQL		
320481651	RISG-11-5.0-20190306	3/6/2019	TO15	95-47-6	ortho-xylene	27	J	8.9	66	ug/m3	J	sp	< PQL		
320481651	RISG-11-5.0-20190306	3/6/2019	TO15	75-25-2	Bromoform	31	J	28	160	ug/m3	J	sp	< PQL		
320481651	RISG-11-5.0-20190306	3/6/2019	TO15	95-50-1	1,2-Dichlorobenzene	36	J	30	92	ug/m3	J	sp	< PQL		
320481651	RISG-11-5.0-20190306	3/6/2019	TO15	108-88-3	Toluene	12	J	7.3	57	ug/m3	J	sp	< PQL		
320481651	RISG-11-5.0-20190306	3/6/2019	TO15	79-34-5	1,1,2,2-Tetrachloroethane	32	J	18	100	ug/m3	J	sp	< PQL		
320481651	RISG-11-5.0-20190306	3/6/2019	TO15	106-46-7	1,4-Dichlorobenzene	34	J	34	92	ug/m3	J	sp	< PQL		
320481651	RISG-11-5.0-20190306	3/6/2019	TO15	100-41-4	Ethyl Benzene	25	J	10	66	ug/m3	J	sp	< PQL		
320481651	RISG-11-5.0-20190306	3/6/2019	TO15	100-42-5	Styrene	20	J	9.6	65	ug/m3	J	sp	< PQL		
320481651	RISG-11-5.0-20190306	3/6/2019	TO15	136777-61-2	m,p-xylene	56	J	17	130	ug/m3	J	sp	< PQL		
320481651	RISG-11-5.0-20190306	3/6/2019	TO15	541-73-1	1,3-Dichlorobenzene	49	J	25	92	ug/m3	J	sp	< PQL		
320481651	RISG-12-15.0-20190307	3/7/2019	TO15	67-64-1	Acetone	170	J	32	360	ug/m3	J	sp	< PQL		
320481651	RISG-12-15.0-20190307	3/7/2019	TO15	67-66-3	Chloroform	46000		110	360	ug/m3	J-	s	Surrogate %R (BFB)	68	70-130 %
320481651	RISG-12-5.0-20190307	3/7/2019	TO15	541-73-1	1,3-Dichlorobenzene		U	44	160	ug/m3	UJ	s	Surrogate %R (BFB)	69	70-130 %
320481651	RISG-12-5.0-20190307	3/7/2019	TO15	67-64-1	Acetone	130	J	28	320	ug/m3	J-	s,sp	Surrogate %R (BFB); < PQL	69	70-130 %
320481651	RISG-12-5.0-20190307	3/7/2019	TO15	78-93-3	2-Butanone		U	39	160	ug/m3	UJ	s	Surrogate %R (BFB)	69	70-130 %
320481651	RISG-12-5.0-20190307	3/7/2019	TO15	95-63-6	1,2,4-Trimethylbenzene		U	53	260	ug/m3	UJ	s	Surrogate %R (BFB)	69	70-130 %
320481651	RISG-12-5.0-20190307	3/7/2019	TO15	71-55-6	1,1,1-Trichloroethane		U	24	110	ug/m3	UJ	s	Surrogate %R (BFB)	69	70-130 %
320481651	RISG-12-5.0-20190307	3/7/2019	TO15	75-00-3	Chloroethane		U	54	140	ug/m3	UJ	s	Surrogate %R (BFB)	69	70-130 %
320481651	RISG-12-5.0-20190307	3/7/2019	TO15	75-09-2	Methylene Chloride		U	17	92	ug/m3	UJ	s	Surrogate %R (BFB)	69	70-130 %
320481651	RISG-12-5.0-20190307	3/7/2019	TO15	75-35-4	1,1-Dichloroethene		U	19	210	ug/m3	UJ	s	Surrogate %R (BFB)	69	70-130 %
320481651	RISG-12-5.0-20190307	3/7/2019	TO15	75-27-4	Bromodichloromethane		U	29	130	ug/m3	UJ	s	Surrogate %R (BFB)	69	70-130 %
320481651	RISG-12-5.0-20190307	3/7/2019	TO15	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane		U	83	200	ug/m3	UJ	s	Surrogate %R (BFB)	69	70-130 %
320481651	RISG-12-5.0-20190307	3/7/2019	TO15	127-18-4	Tetrachloroethene	240		23	180	ug/m3	J-	s	Surrogate %R (BFB)	69	70-130 %
320481651	RISG-12-5.0-20190307	3/7/2019	TO15	591-78-6	2-Hexanone		U	24	110	ug/m3	UJ	s	Surrogate %R (BFB)	69	70-130 %
320481651	RISG-12-5.0-20190307	3/7/2019	TO15	74-83-9	Bromomethane		U	87	210	ug/m3	UJ	s	Surrogate %R (BFB)	69	70-130 %
320481651	RISG-12-5.0-20190307	3/7/2019	TO15	622-96-8	4-Ethyltoluene		U	61	130	ug/m3	UJ	s	Surrogate %R (BFB)	69	70-130 %
320481651	RISG-12-5.0-20190307	3/7/2019	TO15	75-01-4	Vinyl Chloride		U	20	68	ug/m3	UJ	s	Surrogate %R (BFB)	69	70-130 %
320481651	RISG-12-5.0-20190307	3/7/2019	TO15	75-15-0	Carbon Disulfide		U	16	170	ug/m3	UJ	s	Surrogate %R (BFB)	69	70-130 %
320481651	RISG-12-5.0-20190307	3/7/2019	TO15	56-23-5	Carbon Tetrachloride	3600		27	330	ug/m3	J-	s	Surrogate %R (BFB)	69	70-130 %
320481651	RISG-12-5.0-20190307	3/7/2019	TO15	78-87-5	1,2-Dichloropropane		U	74	120	ug/m3	UJ	s	Surrogate %R (BFB)	69	70-130 %
320481651	RISG-12-5.0-20190307	3/7/2019	TO15	75-71-8	Dichlorodifluoromethane		U	48	130	ug/m3	UJ	s	Surrogate %R (BFB)	69	70-130 %
320481651	RISG-12-5.0-20190307	3/7/2019	TO15	100-44-7	Benzyl chloride		U	56	280	ug/m3	UJ	s	Surrogate %R (BFB)	69	70-130 %
320481651	RISG-12-5.0-20190307	3/7/2019	TO15	124-48-1	Dibromochloromethane		U	45	230	ug/m3	UJ	s	Surrogate %R (BFB)	69	70-130 %
320481651	RISG-12-5.0-20190307	3/7/2019	TO15	79-00-5	1,1,2-Trichloroethane		U	24	150	ug/m3	UJ	s	Surrogate %R (BFB)	69	70-130 %
320481651	RISG-12-5.0-20190307	3/7/2019	TO15	95-47-6	ortho-xylene		U	16	120	ug/m3	UJ	s	Surrogate %R (BFB)	69	70-130 %
320481651	RISG-12-5.0-20190307	3/7/2019	TO15	75-69-4	Trichlorofluoromethane	1100		73	150	ug/m3	J-	s	Surrogate %R (BFB)	69	70-130 %
320481651	RISG-12-5.0-20190307	3/7/2019	TO15	79-01-6	Trichloroethene		U	38	140	ug/m3	UJ	s	Surrogate %R (BFB)	69	70-130 %

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte ¹	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator ²	Qualification Finding	Acceptance Criteria
320481651	RISG-12-5.0-20190307	3/7/2019	TO15	75-25-2	Bromoform		U	48	270	ug/m3	UJ	s	Surrogate %R (BFB)	69	70-130 %
320481651	RISG-12-5.0-20190307	3/7/2019	TO15	136777-61-2	m,p-xylene		U	29	230	ug/m3	UJ	s	Surrogate %R (BFB)	69	70-130 %
320481651	RISG-12-5.0-20190307	3/7/2019	TO15	108-90-7	Chlorobenzene		U	20	92	ug/m3	UJ	s	Surrogate %R (BFB)	69	70-130 %
320481651	RISG-12-5.0-20190307	3/7/2019	TO15	156-60-5	trans-1,2-Dichloroethene		U	26	110	ug/m3	UJ	s	Surrogate %R (BFB)	69	70-130 %
320481651	RISG-12-5.0-20190307	3/7/2019	TO15	95-50-1	1,2-Dichlorobenzene		U	52	160	ug/m3	UJ	s	Surrogate %R (BFB)	69	70-130 %
320481651	RISG-12-5.0-20190307	3/7/2019	TO15	108-88-3	Toluene		U	13	100	ug/m3	UJ	s	Surrogate %R (BFB)	69	70-130 %
320481651	RISG-12-5.0-20190307	3/7/2019	TO15	108-10-1	4-Methyl-2-pentanone		U	37	110	ug/m3	UJ	s	Surrogate %R (BFB)	69	70-130 %
320481651	RISG-12-5.0-20190307	3/7/2019	TO15	79-34-5	1,1,2,2-Tetrachloroethane		U	32	180	ug/m3	UJ	s	Surrogate %R (BFB)	69	70-130 %
320481651	RISG-12-5.0-20190307	3/7/2019	TO15	87-68-3	Hexachlorobutadiene		U	310	1400	ug/m3	UJ	s	Surrogate %R (BFB)	69	70-130 %
320481651	RISG-12-5.0-20190307	3/7/2019	TO15	10061-01-5	cis-1,3-Dichloropropene		U	31	120	ug/m3	UJ	s	Surrogate %R (BFB)	69	70-130 %
320481651	RISG-12-5.0-20190307	3/7/2019	TO15	107-06-2	1,2-Dichloroethane		U	24	220	ug/m3	UJ	s	Surrogate %R (BFB)	69	70-130 %
320481651	RISG-12-5.0-20190307	3/7/2019	TO15	108-05-4	Vinyl Acetate		U	34	190	ug/m3	UJ	s	Surrogate %R (BFB)	69	70-130 %
320481651	RISG-12-5.0-20190307	3/7/2019	TO15	156-59-2	cis-1,2-Dichloroethene		U	23	110	ug/m3	UJ	s	Surrogate %R (BFB)	69	70-130 %
320481651	RISG-12-5.0-20190307	3/7/2019	TO15	71-43-2	Benzene		U	17	85	ug/m3	UJ	s	Surrogate %R (BFB)	69	70-130 %
320481651	RISG-12-5.0-20190307	3/7/2019	TO15	75-34-3	1,1-Dichloroethane		U	19	81	ug/m3	UJ	s	Surrogate %R (BFB)	69	70-130 %
320481651	RISG-12-5.0-20190307	3/7/2019	TO15	67-66-3	Chloroform	25000		31	97	ug/m3	J-	s	Surrogate %R (BFB)	69	70-130 %
320481651	RISG-12-5.0-20190307	3/7/2019	TO15	106-46-7	1,4-Dichlorobenzene		U	60	160	ug/m3	UJ	s	Surrogate %R (BFB)	69	70-130 %
320481651	RISG-12-5.0-20190307	3/7/2019	TO15	10061-02-6	trans-1,3-Dichloropropene		U	27	120	ug/m3	UJ	s	Surrogate %R (BFB)	69	70-130 %
320481651	RISG-12-5.0-20190307	3/7/2019	TO15	106-93-4	1,2-Dibromoethane		U	38	410	ug/m3	UJ	s	Surrogate %R (BFB)	69	70-130 %
320481651	RISG-12-5.0-20190307	3/7/2019	TO15	74-87-3	Chloromethane		U	27	110	ug/m3	UJ	s	Surrogate %R (BFB)	69	70-130 %
320481651	RISG-12-5.0-20190307	3/7/2019	TO15	76-14-2	Freon 114		U	72	190	ug/m3	UJ	s	Surrogate %R (BFB)	69	70-130 %
320481651	RISG-12-5.0-20190307	3/7/2019	TO15	108-67-8	1,3,5-Trimethylbenzene		U	41	130	ug/m3	UJ	s	Surrogate %R (BFB)	69	70-130 %
320481651	RISG-12-5.0-20190307	3/7/2019	TO15	100-41-4	Ethyl Benzene		U	18	120	ug/m3	UJ	s	Surrogate %R (BFB)	69	70-130 %
320481651	RISG-12-5.0-20190307	3/7/2019	TO15	100-42-5	Styrene		U	17	110	ug/m3	UJ	s	Surrogate %R (BFB)	69	70-130 %
320481651	RISG-12-5.0-20190307	3/7/2019	TO15	120-82-1	1,2,4-Trichlorobenzene		U	210	990	ug/m3	UJ	s	Surrogate %R (BFB)	69	70-130 %
320481651	RISG-24-15.0-20190307	3/7/2019	TO15	78-93-3	2-Butanone	4.3	J	2.9	12	ug/m3	J	sp	< PQL		
320481651	RISG-24-15.0-20190307	3/7/2019	TO15	56-23-5	Carbon Tetrachloride	20	J	2.0	25	ug/m3	J	sp	< PQL		
320481651	RISG-24-15.0-20190307	3/7/2019	TO15	75-09-2	Methylene Chloride	1.8	J	1.3	6.9	ug/m3	J	sp	< PQL		
320481651	RISG-24-15.0-20190307	3/7/2019	TO15	108-88-3	Toluene	1.7	J	0.96	7.5	ug/m3	J	sp	< PQL		
320481651	RISG-24-15.0-20190307	3/7/2019	TO15	136777-61-2	m,p-xylene	2.4	J	2.2	17	ug/m3	J	sp	< PQL		
320481651	RISG-24-5.0-20190307	3/7/2019	TO15	56-23-5	Carbon Tetrachloride	8.2	J	2.0	25	ug/m3	J	sp	< PQL		
320481651	RISG-24-5.0-20190307	3/7/2019	TO15	75-09-2	Methylene Chloride	1.3	J	1.3	6.9	ug/m3	J	sp	< PQL		
320481651	RISG-24-5.0-20190307	3/7/2019	TO15	541-73-1	1,3-Dichlorobenzene	9.7	J	3.3	12	ug/m3	J	sp	< PQL		
320481651	RISG-26-15.0-20190307	3/7/2019	TO15	67-64-1	Acetone	170	J	25	280	ug/m3	J	sp	< PQL		
320481651	RISG-26-15.0-20190307	3/7/2019	TO15	127-18-4	Tetrachloroethene	61	J	20	160	ug/m3	J	sp	< PQL		
320481651	RISG-26-15.0-20190307_FD	3/7/2019	TO15	67-64-1	Acetone	97	J	25	280	ug/m3	J	sp	< PQL		
320481651	RISG-26-15.0-20190307_FD	3/7/2019	TO15	127-18-4	Tetrachloroethene	62	J	20	160	ug/m3	J	sp	< PQL		
320481651	RISG-26-15.0-20190307_FD	3/7/2019	TO15	75-15-0	Carbon Disulfide	32	J	14	140	ug/m3	J	sp	< PQL		
320481651	RISG-26-15.0-20190307_FD	3/7/2019	TO15	95-50-1	1,2-Dichlorobenzene	57	J	45	140	ug/m3	J	sp	< PQL		
320481651	RISG-26-5.0-20190307	3/7/2019	TO15	75-15-0	Carbon Disulfide	11	J	5.2	53	ug/m3	J	sp	< PQL		
320481651	RISG-26-5.0-20190307	3/7/2019	TO15	127-18-4	Tetrachloroethene	28	J	7.4	58	ug/m3	J	sp	< PQL		
320481651	RISG-26-5.0-20190307	3/7/2019	TO15	67-64-1	Acetone	58	J	9.0	100	ug/m3	J	sp	< PQL		
320481651	RISG-26-5.0-20190307	3/7/2019	TO15	108-90-7	Chlorobenzene	13	J	6.3	29	ug/m3	J	sp	< PQL		
320482231	RISG-10-15.0-20190308	3/8/2019	TO15	75-69-4	Trichlorofluoromethane	9800	J	5500	11000	ug/m3	J	sp	< PQL		
320482231	RISG-10-15.0-20190308	3/8/2019	TO15	75-34-3	1,1-Dichloroethane	1600	J	1400	6000	ug/m3	J	sp	< PQL		
320482231	RISG-10-5.0-20190308	3/8/2019	TO15	75-69-4	Trichlorofluoromethane	1100	J	610	1200	ug/m3	J	sp	< PQL		
320482231	RISG-23-15.0-20190308	3/8/2019	TO15	591-78-6	2-Hexanone		U	9.2	42	ug/m3	UJ	s	Surrogate %R (BFB)	64	70-130 %
320482231	RISG-23-15.0-20190308	3/8/2019	TO15	67-64-1	Acetone	52	J	11	120	ug/m3	J-	s,sp	Surrogate %R (BFB); < PQL	64	70-130 %
320482231	RISG-23-15.0-20190308	3/8/2019	TO15	75-71-8	Dichlorodifluoromethane		U	19	51	ug/m3	UJ	s	Surrogate %R (BFB)	64	70-130 %
320482231	RISG-23-15.0-20190308	3/8/2019	TO15	78-93-3	2-Butanone		U	15	61	ug/m3	UJ	s	Surrogate %R (BFB)	64	70-130 %
320482231	RISG-23-15.0-20190308	3/8/2019	TO15	136777-61-2	m,p-xylene		U	11	90	ug/m3	UJ	s	Surrogate %R (BFB)	64	70-130 %
320482231	RISG-23-15.0-20190308	3/8/2019	TO15	71-55-6	1,1,1-Trichloroethane		U	9.2	42	ug/m3	UJ	s	Surrogate %R (BFB)	64	70-130 %
320482231	RISG-23-15.0-20190308	3/8/2019	TO15	75-00-3	Chloroethane		U	21	55	ug/m3	UJ	s	Surrogate %R (BFB)	64	70-130 %
320482231	RISG-23-15.0-20190308	3/8/2019	TO15	75-27-4	Bromodichloromethane		U	11	52	ug/m3	UJ	s	Surrogate %R (BFB)	64	70-130 %
320482231	RISG-23-15.0-20190308	3/8/2019	TO15	75-35-4	1,1-Dichloroethene		U	7.4	82	ug/m3	UJ	s	Surrogate %R (BFB)	64	70-130 %
320482231	RISG-23-15.0-20190308	3/8/2019	TO15	75-09-2	Methylene Chloride		U	6.5	36	ug/m3	UJ	s	Surrogate %R (BFB)	64	70-130 %

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte ¹	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator ²	Qualification Finding	Acceptance Criteria
320482231	RISG-23-15.0-20190308	3/8/2019	TO15	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane		U	32	79	ug/m3	UJ	s	Surrogate %R (BFB)	64	70-130 %
320482231	RISG-23-15.0-20190308	3/8/2019	TO15	56-23-5	Carbon Tetrachloride	19	J	10	130	ug/m3	J-	s,sp	Surrogate %R (BFB); < PQL	64	70-130 %
320482231	RISG-23-15.0-20190308	3/8/2019	TO15	541-73-1	1,3-Dichlorobenzene	34	J	17	62	ug/m3	J-	s,sp	Surrogate %R (BFB); < PQL	64	70-130 %
320482231	RISG-23-15.0-20190308	3/8/2019	TO15	75-01-4	Vinyl Chloride		U	7.9	26	ug/m3	UJ	s	Surrogate %R (BFB)	64	70-130 %
320482231	RISG-23-15.0-20190308	3/8/2019	TO15	622-96-8	4-Ethyltoluene		U	24	51	ug/m3	UJ	s	Surrogate %R (BFB)	64	70-130 %
320482231	RISG-23-15.0-20190308	3/8/2019	TO15	75-15-0	Carbon Disulfide		U	6.3	64	ug/m3	UJ	s	Surrogate %R (BFB)	64	70-130 %
320482231	RISG-23-15.0-20190308	3/8/2019	TO15	108-67-8	1,3,5-Trimethylbenzene		U	16	51	ug/m3	UJ	s	Surrogate %R (BFB)	64	70-130 %
320482231	RISG-23-15.0-20190308	3/8/2019	TO15	78-87-5	1,2-Dichloropropane		U	29	48	ug/m3	UJ	s	Surrogate %R (BFB)	64	70-130 %
320482231	RISG-23-15.0-20190308	3/8/2019	TO15	75-69-4	Trichlorofluoromethane		U	28	58	ug/m3	UJ	s	Surrogate %R (BFB)	64	70-130 %
320482231	RISG-23-15.0-20190308	3/8/2019	TO15	95-63-6	1,2,4-Trimethylbenzene		U	21	100	ug/m3	UJ	s	Surrogate %R (BFB)	64	70-130 %
320482231	RISG-23-15.0-20190308	3/8/2019	TO15	124-48-1	Dibromochloromethane		U	17	88	ug/m3	UJ	s	Surrogate %R (BFB)	64	70-130 %
320482231	RISG-23-15.0-20190308	3/8/2019	TO15	100-44-7	Benzyl chloride		U	22	110	ug/m3	UJ	s	Surrogate %R (BFB)	64	70-130 %
320482231	RISG-23-15.0-20190308	3/8/2019	TO15	95-47-6	ortho-xylene		U	6.1	45	ug/m3	UJ	s	Surrogate %R (BFB)	64	70-130 %
320482231	RISG-23-15.0-20190308	3/8/2019	TO15	79-00-5	1,1,2-Trichloroethane		U	9.5	56	ug/m3	UJ	s	Surrogate %R (BFB)	64	70-130 %
320482231	RISG-23-15.0-20190308	3/8/2019	TO15	127-18-4	Tetrachloroethene	15	J	8.9	70	ug/m3	J-	s,sp	Surrogate %R (BFB); < PQL	64	70-130 %
320482231	RISG-23-15.0-20190308	3/8/2019	TO15	107-06-2	1,2-Dichloroethane		U	9.2	84	ug/m3	UJ	s	Surrogate %R (BFB)	64	70-130 %
320482231	RISG-23-15.0-20190308	3/8/2019	TO15	156-60-5	trans-1,2-Dichloroethene		U	10	41	ug/m3	UJ	s	Surrogate %R (BFB)	64	70-130 %
320482231	RISG-23-15.0-20190308	3/8/2019	TO15	108-90-7	Chlorobenzene		U	7.6	36	ug/m3	UJ	s	Surrogate %R (BFB)	64	70-130 %
320482231	RISG-23-15.0-20190308	3/8/2019	TO15	75-25-2	Bromoform		U	19	110	ug/m3	UJ	s	Surrogate %R (BFB)	64	70-130 %
320482231	RISG-23-15.0-20190308	3/8/2019	TO15	79-01-6	Trichloroethene	38	J	15	56	ug/m3	J-	s,sp	Surrogate %R (BFB); < PQL	64	70-130 %
320482231	RISG-23-15.0-20190308	3/8/2019	TO15	95-50-1	1,2-Dichlorobenzene		U	20	62	ug/m3	UJ	s	Surrogate %R (BFB)	64	70-130 %
320482231	RISG-23-15.0-20190308	3/8/2019	TO15	108-88-3	Toluene		U	5.0	39	ug/m3	UJ	s	Surrogate %R (BFB)	64	70-130 %
320482231	RISG-23-15.0-20190308	3/8/2019	TO15	108-10-1	4-Methyl-2-pentanone		U	14	42	ug/m3	UJ	s	Surrogate %R (BFB)	64	70-130 %
320482231	RISG-23-15.0-20190308	3/8/2019	TO15	79-34-5	1,1,2,2-Tetrachloroethane		U	12	71	ug/m3	UJ	s	Surrogate %R (BFB)	64	70-130 %
320482231	RISG-23-15.0-20190308	3/8/2019	TO15	74-83-9	Bromomethane		U	34	80	ug/m3	UJ	s	Surrogate %R (BFB)	64	70-130 %
320482231	RISG-23-15.0-20190308	3/8/2019	TO15	10061-01-5	cis-1,3-Dichloropropene		U	12	47	ug/m3	UJ	s	Surrogate %R (BFB)	64	70-130 %
320482231	RISG-23-15.0-20190308	3/8/2019	TO15	108-05-4	Vinyl Acetate		U	13	73	ug/m3	UJ	s	Surrogate %R (BFB)	64	70-130 %
320482231	RISG-23-15.0-20190308	3/8/2019	TO15	74-87-3	Chloromethane		U	11	43	ug/m3	UJ	s	Surrogate %R (BFB)	64	70-130 %
320482231	RISG-23-15.0-20190308	3/8/2019	TO15	100-41-4	Ethyl Benzene		U	7.1	45	ug/m3	UJ	s	Surrogate %R (BFB)	64	70-130 %
320482231	RISG-23-15.0-20190308	3/8/2019	TO15	100-42-5	Styrene		U	6.5	44	ug/m3	UJ	s	Surrogate %R (BFB)	64	70-130 %
320482231	RISG-23-15.0-20190308	3/8/2019	TO15	87-68-3	Hexachlorobutadiene		U	120	550	ug/m3	UJ	s	Surrogate %R (BFB)	64	70-130 %
320482231	RISG-23-15.0-20190308	3/8/2019	TO15	67-66-3	Chloroform	3700		12	38	ug/m3	J-	s	Surrogate %R (BFB)	64	70-130 %
320482231	RISG-23-15.0-20190308	3/8/2019	TO15	120-82-1	1,2,4-Trichlorobenzene		U	83	380	ug/m3	UJ	s	Surrogate %R (BFB)	64	70-130 %
320482231	RISG-23-15.0-20190308	3/8/2019	TO15	106-93-4	1,2-Dibromoethane		U	15	160	ug/m3	UJ	s	Surrogate %R (BFB)	64	70-130 %
320482231	RISG-23-15.0-20190308	3/8/2019	TO15	10061-02-6	trans-1,3-Dichloropropene		U	10	47	ug/m3	UJ	s	Surrogate %R (BFB)	64	70-130 %
320482231	RISG-23-15.0-20190308	3/8/2019	TO15	106-46-7	1,4-Dichlorobenzene		U	23	62	ug/m3	UJ	s	Surrogate %R (BFB)	64	70-130 %
320482231	RISG-23-15.0-20190308	3/8/2019	TO15	75-34-3	1,1-Dichloroethane		U	7.5	31	ug/m3	UJ	s	Surrogate %R (BFB)	64	70-130 %
320482231	RISG-23-15.0-20190308	3/8/2019	TO15	71-43-2	Benzene		U	6.5	33	ug/m3	UJ	s	Surrogate %R (BFB)	64	70-130 %
320482231	RISG-23-15.0-20190308	3/8/2019	TO15	156-59-2	cis-1,2-Dichloroethene		U	9.1	41	ug/m3	UJ	s	Surrogate %R (BFB)	64	70-130 %
320482231	RISG-23-15.0-20190308	3/8/2019	TO15	76-14-2	Freon 114		U	28	72	ug/m3	UJ	s	Surrogate %R (BFB)	64	70-130 %
320482231	RISG-23-5.0-20190308	3/8/2019	TO15	75-15-0	Carbon Disulfide	9.9	J	1.2	12	ug/m3	J	sp	< PQL		
320482231	RISG-23-5.0-20190308	3/8/2019	TO15	75-71-8	Dichlorodifluoromethane	3.8	J	3.6	9.9	ug/m3	J	sp	< PQL		
320482231	RISG-23-5.0-20190308	3/8/2019	TO15	56-23-5	Carbon Tetrachloride	2.5	J	2.0	25	ug/m3	J	sp	< PQL		
320482231	RISG-25-15.0-20190308	3/8/2019	TO15	108-88-3	Toluene	1.3	J	0.96	7.5	ug/m3	J	sp	< PQL		
320482231	RISG-25-15.0-20190308	3/8/2019	TO15	75-15-0	Carbon Disulfide	3.6	J	1.2	12	ug/m3	J	sp	< PQL		
320482231	RISG-25-15.0-20190308	3/8/2019	TO15	75-71-8	Dichlorodifluoromethane	3.8	J	3.6	9.9	ug/m3	J	sp	< PQL		
320482231	RISG-25-15.0-20190308	3/8/2019	TO15	67-64-1	Acetone	17	J	2.1	24	ug/m3	J	sp	< PQL		
320482231	RISG-25-5.0-20190308	3/8/2019	TO15	75-15-0	Carbon Disulfide	5.1	J	1.2	12	ug/m3	J	sp	< PQL		
320482231	RISG-25-5.0-20190308	3/8/2019	TO15	78-93-3	2-Butanone	3.5	J	2.9	12	ug/m3	J	sp	< PQL		
320482231	RISG-25-5.0-20190308	3/8/2019	TO15	75-71-8	Dichlorodifluoromethane	4.6	J	3.6	9.9	ug/m3	J	sp	< PQL		
320482231	RISG-25-5.0-20190308	3/8/2019	TO15	56-23-5	Carbon Tetrachloride	8.7	J	2.0	25	ug/m3	J	sp	< PQL		
320482231	RISG-25-5.0-20190308	3/8/2019	TO15	107-06-2	1,2-Dichloroethane	7.1	J	1.8	16	ug/m3	J	sp	< PQL		
320482231	RISG-25-5.0-20190308	3/8/2019	TO15	79-01-6	Trichloroethene	5.9	J	2.8	11	ug/m3	J	sp	< PQL		
320482231	RISG-28-15.0-20190308	3/8/2019	TO15	108-88-3	Toluene	2.6	J	0.96	7.5	ug/m3	J	sp	< PQL		
320482231	RISG-28-15.0-20190308	3/8/2019	TO15	75-09-2	Methylene Chloride	2.6	J	1.3	6.9	ug/m3	J	sp	< PQL		
320482231	RISG-28-15.0-20190308	3/8/2019	TO15	136777-61-2	m,p-xylene	2.9	J	2.2	17	ug/m3	J	sp	< PQL		

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte ¹	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator ²	Qualification Finding	Acceptance Criteria
320482231	RISG-28-15.0-20190308	3/8/2019	TO15	71-43-2	Benzene	2.1	J	1.3	6.4	ug/m3	J	sp	< PQL		
320482231	RISG-28-15.0-20190308	3/8/2019	TO15	95-47-6	ortho-xylene	1.4	J	1.2	8.7	ug/m3	J	sp	< PQL		
320482231	RISG-28-15.0-20190308	3/8/2019	TO15	75-71-8	Dichlorodifluoromethane	3.7	J	3.6	9.9	ug/m3	J	sp	< PQL		
320482231	RISG-28-5.0-20190308	3/8/2019	TO15	67-64-1	Acetone	21	J	2.1	24	ug/m3	J	sp	< PQL		
320482231	RISG-28-5.0-20190308	3/8/2019	TO15	108-88-3	Toluene	3.4	J	0.96	7.5	ug/m3	J	sp	< PQL		
320482231	RISG-28-5.0-20190308	3/8/2019	TO15	108-90-7	Chlorobenzene	2.3	J	1.5	6.9	ug/m3	J	sp	< PQL		
320482231	RISG-28-5.0-20190308	3/8/2019	TO15	71-43-2	Benzene	1.6	J	1.3	6.4	ug/m3	J	sp	< PQL		
320482231	RISG-28-5.0-20190308	3/8/2019	TO15	100-41-4	Ethyl Benzene	1.9	J	1.4	8.7	ug/m3	J	sp	< PQL		
320482231	RISG-28-5.0-20190308	3/8/2019	TO15	75-71-8	Dichlorodifluoromethane	4.1	J	3.6	9.9	ug/m3	J	sp	< PQL		
320482231	RISG-28-5.0-20190308	3/8/2019	TO15	78-93-3	2-Butanone	6.2	J	2.9	12	ug/m3	J	sp	< PQL		
320482231	RISG-28-5.0-20190308	3/8/2019	TO15	136777-61-2	m,p-xylene	6.4	J	2.2	17	ug/m3	J	sp	< PQL		
320482231	RISG-28-5.0-20190308	3/8/2019	TO15	75-09-2	Methylene Chloride	1.3	J	1.3	6.9	ug/m3	J	sp	< PQL		
320482231	RISG-28-5.0-20190308	3/8/2019	TO15	95-47-6	ortho-xylene	2.9	J	1.2	8.7	ug/m3	J	sp	< PQL		
320482231	RISG-28-5.0-20190308	3/8/2019	TO15	541-73-1	1,3-Dichlorobenzene	6.2	J	3.3	12	ug/m3	J	sp	< PQL		
320482481	RISG-1-15.0-20190311	3/11/2019	TO15	95-47-6	ortho-xylene	8.6	J	5.5	41	ug/m3	J	sp	< PQL		
320482481	RISG-1-15.0-20190311	3/11/2019	TO15	75-35-4	1,1-Dichloroethene	19	J	6.7	75	ug/m3	J	sp	< PQL		
320482481	RISG-1-15.0-20190311	3/11/2019	TO15	178-77-61-2	m,p-xylene	16	JB	10	82	ug/m3	J	bl,sp	MB contamination; < PQL	2.69	25.3 ug/m3
320482481	RISG-1-15.0-20190311	3/11/2019	TO15	67-64-1	Acetone	35	J	9.9	110	ug/m3	J	sp	< PQL		
320482481	RISG-1-15.0-20190311	3/11/2019	TO15	108-88-3	Toluene	11	J	4.5	35	ug/m3	J	sp	< PQL		
320482481	RISG-1-15.0-20190311	3/11/2019	TO15	56-23-5	Carbon Tetrachloride	97	J	9.5	120	ug/m3	J	sp	< PQL		
320482481	RISG-1-15.0-20190311	3/11/2019	TO15	71-43-2	Benzene	8.0	J	5.9	30	ug/m3	J	sp	< PQL		
320482481	RISG-14-15.0-20190311	3/11/2019	TO15	76-14-2	Freon 114		U	260	680	ug/m3	UJ	s	Surrogate %R (BFB)	62	70-130 %
320482481	RISG-14-15.0-20190311	3/11/2019	TO15	156-59-2	cis-1,2-Dichloroethene		U	85	380	ug/m3	UJ	s	Surrogate %R (BFB)	62	70-130 %
320482481	RISG-14-15.0-20190311	3/11/2019	TO15	71-43-2	Benzene		U	61	310	ug/m3	UJ	s	Surrogate %R (BFB)	62	70-130 %
320482481	RISG-14-15.0-20190311	3/11/2019	TO15	106-46-7	1,4-Dichlorobenzene		U	220	580	ug/m3	UJ	s	Surrogate %R (BFB)	62	70-130 %
320482481	RISG-14-15.0-20190311	3/11/2019	TO15	10061-02-6	trans-1,3-Dichloropropene		U	97	440	ug/m3	UJ	s	Surrogate %R (BFB)	62	70-130 %
320482481	RISG-14-15.0-20190311	3/11/2019	TO15	106-93-4	1,2-Dibromoethane		U	140	1500	ug/m3	UJ	s	Surrogate %R (BFB)	62	70-130 %
320482481	RISG-14-15.0-20190311	3/11/2019	TO15	108-05-4	Vinyl Acetate		U	120	680	ug/m3	UJ	s	Surrogate %R (BFB)	62	70-130 %
320482481	RISG-14-15.0-20190311	3/11/2019	TO15	74-87-3	Chloromethane		U	98	400	ug/m3	UJ	s	Surrogate %R (BFB)	62	70-130 %
320482481	RISG-14-15.0-20190311	3/11/2019	TO15	87-68-3	Hexachlorobutadiene		U	1100	5200	ug/m3	UJ	s	Surrogate %R (BFB)	62	70-130 %
320482481	RISG-14-15.0-20190311	3/11/2019	TO15	100-42-5	Styrene		U	61	410	ug/m3	UJ	s	Surrogate %R (BFB)	62	70-130 %
320482481	RISG-14-15.0-20190311	3/11/2019	TO15	100-41-4	Ethyl Benzene		U	66	420	ug/m3	UJ	s	Surrogate %R (BFB)	62	70-130 %
320482481	RISG-14-15.0-20190311	3/11/2019	TO15	67-66-3	Chloroform	56000		110	350	ug/m3	J-	s	Surrogate %R (BFB)	62	70-130 %
320482481	RISG-14-15.0-20190311	3/11/2019	TO15	156-60-5	trans-1,2-Dichloroethene		U	96	380	ug/m3	UJ	s	Surrogate %R (BFB)	62	70-130 %
320482481	RISG-14-15.0-20190311	3/11/2019	TO15	10061-01-5	cis-1,3-Dichloropropene		U	110	440	ug/m3	UJ	s	Surrogate %R (BFB)	62	70-130 %
320482481	RISG-14-15.0-20190311	3/11/2019	TO15	75-34-3	1,1-Dichloroethane		U	71	290	ug/m3	UJ	s	Surrogate %R (BFB)	62	70-130 %
320482481	RISG-14-15.0-20190311	3/11/2019	TO15	79-34-5	1,1,2,2-Tetrachloroethane		U	110	660	ug/m3	UJ	s	Surrogate %R (BFB)	62	70-130 %
320482481	RISG-14-15.0-20190311	3/11/2019	TO15	108-88-3	Toluene		U	47	360	ug/m3	UJ	s	Surrogate %R (BFB)	62	70-130 %
320482481	RISG-14-15.0-20190311	3/11/2019	TO15	108-10-1	4-Methyl-2-pentanone		U	130	400	ug/m3	UJ	s	Surrogate %R (BFB)	62	70-130 %
320482481	RISG-14-15.0-20190311	3/11/2019	TO15	95-50-1	1,2-Dichlorobenzene		U	190	580	ug/m3	UJ	s	Surrogate %R (BFB)	62	70-130 %
320482481	RISG-14-15.0-20190311	3/11/2019	TO15	79-01-6	Trichloroethene		U	140	520	ug/m3	UJ	s	Surrogate %R (BFB)	62	70-130 %
320482481	RISG-14-15.0-20190311	3/11/2019	TO15	108-90-7	Chlorobenzene		U	71	330	ug/m3	UJ	s	Surrogate %R (BFB)	62	70-130 %
320482481	RISG-14-15.0-20190311	3/11/2019	TO15	108-67-8	1,3,5-Trimethylbenzene		U	150	480	ug/m3	UJ	s	Surrogate %R (BFB)	62	70-130 %
320482481	RISG-14-15.0-20190311	3/11/2019	TO15	75-25-2	Bromoform		U	180	1000	ug/m3	UJ	s	Surrogate %R (BFB)	62	70-130 %
320482481	RISG-14-15.0-20190311	3/11/2019	TO15	107-06-2	1,2-Dichloroethane		U	86	780	ug/m3	UJ	s	Surrogate %R (BFB)	62	70-130 %
320482481	RISG-14-15.0-20190311	3/11/2019	TO15	100-44-7	Benzyl chloride		U	200	1000	ug/m3	UJ	s	Surrogate %R (BFB)	62	70-130 %
320482481	RISG-14-15.0-20190311	3/11/2019	TO15	79-00-5	1,1,2-Trichloroethane		U	88	530	ug/m3	UJ	s	Surrogate %R (BFB)	62	70-130 %
320482481	RISG-14-15.0-20190311	3/11/2019	TO15	120-82-1	1,2,4-Trichlorobenzene		U	780	3600	ug/m3	UJ	s	Surrogate %R (BFB)	62	70-130 %
320482481	RISG-14-15.0-20190311	3/11/2019	TO15	95-47-6	ortho-xylene		U	57	420	ug/m3	UJ	s	Surrogate %R (BFB)	62	70-130 %
320482481	RISG-14-15.0-20190311	3/11/2019	TO15	67-64-1	Acetone	260	J	100	1100	ug/m3	J-	s,sp	Surrogate %R (BFB); < PQL	62	70-130 %
320482481	RISG-14-15.0-20190311	3/11/2019	TO15	124-48-1	Dibromochloromethane		U	160	820	ug/m3	UJ	s	Surrogate %R (BFB)	62	70-130 %
320482481	RISG-14-15.0-20190311	3/11/2019	TO15	75-01-4	Vinyl Chloride		U	74	250	ug/m3	UJ	s	Surrogate %R (BFB)	62	70-130 %
320482481	RISG-14-15.0-20190311	3/11/2019	TO15	75-15-0	Carbon Disulfide		U	59	600	ug/m3	UJ	s	Surrogate %R (BFB)	62	70-130 %
320482481	RISG-14-15.0-20190311	3/11/2019	TO15	74-83-9	Bromomethane		U	310	750	ug/m3	UJ	s	Surrogate %R (BFB)	62	70-130 %
320482481	RISG-14-15.0-20190311	3/11/2019	TO15	622-96-8	4-Ethyltoluene		U	220	480	ug/m3	UJ	s	Surrogate %R (BFB)	62	70-130 %
320482481	RISG-14-15.0-20190311	3/11/2019	TO15	591-78-6	2-Hexanone		U	86	400	ug/m3	UJ	s	Surrogate %R (BFB)	62	70-130 %

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte ¹	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator ²	Qualification Finding	Acceptance Criteria
320482481	RISG-14-15.0-20190311	3/11/2019	TO15	541-73-1	1,3-Dichlorobenzene		U	160	580	ug/m3	UJ	s	Surrogate %R (BFB)	62	70-130 %
320482481	RISG-14-15.0-20190311	3/11/2019	TO15	127-18-4	Tetrachloroethene	290	J	84	660	ug/m3	J-	s,sp	Surrogate %R (BFB); < PQL	62	70-130 %
320482481	RISG-14-15.0-20190311	3/11/2019	TO15	95-63-6	1,2,4-Trimethylbenzene		U	190	950	ug/m3	UJ	s	Surrogate %R (BFB)	62	70-130 %
320482481	RISG-14-15.0-20190311	3/11/2019	TO15	136777-61-2	m,p-xylene		U	110	840	ug/m3	UJ	s	Surrogate %R (BFB)	62	70-130 %
320482481	RISG-14-15.0-20190311	3/11/2019	TO15	75-69-4	Trichlorofluoromethane		U	270	540	ug/m3	UJ	s	Surrogate %R (BFB)	62	70-130 %
320482481	RISG-14-15.0-20190311	3/11/2019	TO15	56-23-5	Carbon Tetrachloride		U	97	1200	ug/m3	UJ	s	Surrogate %R (BFB)	62	70-130 %
320482481	RISG-14-15.0-20190311	3/11/2019	TO15	78-93-3	2-Butanone		U	140	570	ug/m3	UJ	s	Surrogate %R (BFB)	62	70-130 %
320482481	RISG-14-15.0-20190311	3/11/2019	TO15	75-00-3	Chloroethane		U	200	510	ug/m3	UJ	s	Surrogate %R (BFB)	62	70-130 %
320482481	RISG-14-15.0-20190311	3/11/2019	TO15	71-55-6	1,1,1-Trichloroethane		U	86	400	ug/m3	UJ	s	Surrogate %R (BFB)	62	70-130 %
320482481	RISG-14-15.0-20190311	3/11/2019	TO15	75-09-2	Methylene Chloride		U	61	340	ug/m3	UJ	s	Surrogate %R (BFB)	62	70-130 %
320482481	RISG-14-15.0-20190311	3/11/2019	TO15	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane		U	300	740	ug/m3	UJ	s	Surrogate %R (BFB)	62	70-130 %
320482481	RISG-14-15.0-20190311	3/11/2019	TO15	75-35-4	1,1-Dichloroethene		U	69	770	ug/m3	UJ	s	Surrogate %R (BFB)	62	70-130 %
320482481	RISG-14-15.0-20190311	3/11/2019	TO15	75-27-4	Bromodichloromethane		U	110	490	ug/m3	UJ	s	Surrogate %R (BFB)	62	70-130 %
320482481	RISG-14-15.0-20190311	3/11/2019	TO15	78-87-5	1,2-Dichloropropane		U	270	450	ug/m3	UJ	s	Surrogate %R (BFB)	62	70-130 %
320482481	RISG-14-15.0-20190311	3/11/2019	TO15	75-71-8	Dichlorodifluoromethane		U	170	480	ug/m3	UJ	s	Surrogate %R (BFB)	62	70-130 %
320482481	RISG-14-15.0-20190311-FD	3/11/2019	TO15	136777-61-2	m,p-xylene		U	96	760	ug/m3	UJ	s	Surrogate %R (BFB)	59	70-130 %
320482481	RISG-14-15.0-20190311-FD	3/11/2019	TO15	75-35-4	1,1-Dichloroethene		U	63	700	ug/m3	UJ	s	Surrogate %R (BFB)	59	70-130 %
320482481	RISG-14-15.0-20190311-FD	3/11/2019	TO15	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane		U	270	670	ug/m3	UJ	s	Surrogate %R (BFB)	59	70-130 %
320482481	RISG-14-15.0-20190311-FD	3/11/2019	TO15	75-27-4	Bromodichloromethane		U	97	440	ug/m3	UJ	s	Surrogate %R (BFB)	59	70-130 %
320482481	RISG-14-15.0-20190311-FD	3/11/2019	TO15	75-09-2	Methylene Chloride		U	55	310	ug/m3	UJ	s	Surrogate %R (BFB)	59	70-130 %
320482481	RISG-14-15.0-20190311-FD	3/11/2019	TO15	75-00-3	Chloroethane		U	180	460	ug/m3	UJ	s	Surrogate %R (BFB)	59	70-130 %
320482481	RISG-14-15.0-20190311-FD	3/11/2019	TO15	79-00-5	1,1,2-Trichloroethane		U	80	480	ug/m3	UJ	s	Surrogate %R (BFB)	59	70-130 %
320482481	RISG-14-15.0-20190311-FD	3/11/2019	TO15	127-18-4	Tetrachloroethene	280	J	76	600	ug/m3	J-	s,sp	Surrogate %R (BFB); < PQL	59	70-130 %
320482481	RISG-14-15.0-20190311-FD	3/11/2019	TO15	78-87-5	1,2-Dichloropropane		U	240	410	ug/m3	UJ	s	Surrogate %R (BFB)	59	70-130 %
320482481	RISG-14-15.0-20190311-FD	3/11/2019	TO15	75-71-8	Dichlorodifluoromethane		U	160	440	ug/m3	UJ	s	Surrogate %R (BFB)	59	70-130 %
320482481	RISG-14-15.0-20190311-FD	3/11/2019	TO15	71-55-6	1,1,1-Trichloroethane		U	78	360	ug/m3	UJ	s	Surrogate %R (BFB)	59	70-130 %
320482481	RISG-14-15.0-20190311-FD	3/11/2019	TO15	541-73-1	1,3-Dichlorobenzene		U	150	530	ug/m3	UJ	s	Surrogate %R (BFB)	59	70-130 %
320482481	RISG-14-15.0-20190311-FD	3/11/2019	TO15	591-78-6	2-Hexanone		U	78	360	ug/m3	UJ	s	Surrogate %R (BFB)	59	70-130 %
320482481	RISG-14-15.0-20190311-FD	3/11/2019	TO15	622-96-8	4-Ethyltoluene		U	200	430	ug/m3	UJ	s	Surrogate %R (BFB)	59	70-130 %
320482481	RISG-14-15.0-20190311-FD	3/11/2019	TO15	74-83-9	Bromomethane		U	290	680	ug/m3	UJ	s	Surrogate %R (BFB)	59	70-130 %
320482481	RISG-14-15.0-20190311-FD	3/11/2019	TO15	95-47-6	ortho-xylene		U	52	380	ug/m3	UJ	s	Surrogate %R (BFB)	59	70-130 %
320482481	RISG-14-15.0-20190311-FD	3/11/2019	TO15	75-01-4	Vinyl Chloride		U	67	220	ug/m3	UJ	s	Surrogate %R (BFB)	59	70-130 %
320482481	RISG-14-15.0-20190311-FD	3/11/2019	TO15	75-69-4	Trichlorofluoromethane		U	240	490	ug/m3	UJ	s	Surrogate %R (BFB)	59	70-130 %
320482481	RISG-14-15.0-20190311-FD	3/11/2019	TO15	95-63-6	1,2,4-Trimethylbenzene		U	180	870	ug/m3	UJ	s	Surrogate %R (BFB)	59	70-130 %
320482481	RISG-14-15.0-20190311-FD	3/11/2019	TO15	124-48-1	Dibromochloromethane		U	150	750	ug/m3	UJ	s	Surrogate %R (BFB)	59	70-130 %
320482481	RISG-14-15.0-20190311-FD	3/11/2019	TO15	100-44-7	Benzyl chloride		U	190	910	ug/m3	UJ	s	Surrogate %R (BFB)	59	70-130 %
320482481	RISG-14-15.0-20190311-FD	3/11/2019	TO15	56-23-5	Carbon Tetrachloride		U	89	1100	ug/m3	UJ	s	Surrogate %R (BFB)	59	70-130 %
320482481	RISG-14-15.0-20190311-FD	3/11/2019	TO15	67-64-1	Acetone	270	J	93	1000	ug/m3	J-	s,sp	Surrogate %R (BFB); < PQL	59	70-130 %
320482481	RISG-14-15.0-20190311-FD	3/11/2019	TO15	75-15-0	Carbon Disulfide	71	J	53	550	ug/m3	J-	s,sp	Surrogate %R (BFB); < PQL	59	70-130 %
320482481	RISG-14-15.0-20190311-FD	3/11/2019	TO15	79-34-5	1,1,2,2-Tetrachloroethane		U	100	600	ug/m3	UJ	s	Surrogate %R (BFB)	59	70-130 %
320482481	RISG-14-15.0-20190311-FD	3/11/2019	TO15	156-60-5	trans-1,2-Dichloroethene		U	87	350	ug/m3	UJ	s	Surrogate %R (BFB)	59	70-130 %
320482481	RISG-14-15.0-20190311-FD	3/11/2019	TO15	78-93-3	2-Butanone		U	130	520	ug/m3	UJ	s	Surrogate %R (BFB)	59	70-130 %
320482481	RISG-14-15.0-20190311-FD	3/11/2019	TO15	108-67-8	1,3,5-Trimethylbenzene		U	140	430	ug/m3	UJ	s	Surrogate %R (BFB)	59	70-130 %
320482481	RISG-14-15.0-20190311-FD	3/11/2019	TO15	108-90-7	Chlorobenzene		U	65	300	ug/m3	UJ	s	Surrogate %R (BFB)	59	70-130 %
320482481	RISG-14-15.0-20190311-FD	3/11/2019	TO15	79-01-6	Trichloroethene		U	120	470	ug/m3	UJ	s	Surrogate %R (BFB)	59	70-130 %
320482481	RISG-14-15.0-20190311-FD	3/11/2019	TO15	95-50-1	1,2-Dichlorobenzene		U	170	530	ug/m3	UJ	s	Surrogate %R (BFB)	59	70-130 %
320482481	RISG-14-15.0-20190311-FD	3/11/2019	TO15	108-88-3	Toluene		U	42	330	ug/m3	UJ	s	Surrogate %R (BFB)	59	70-130 %
320482481	RISG-14-15.0-20190311-FD	3/11/2019	TO15	75-25-2	Bromoform		U	160	910	ug/m3	UJ	s	Surrogate %R (BFB)	59	70-130 %
320482481	RISG-14-15.0-20190311-FD	3/11/2019	TO15	87-68-3	Hexachlorobutadiene		U	1000	4700	ug/m3	UJ	s	Surrogate %R (BFB)	59	70-130 %
320482481	RISG-14-15.0-20190311-FD	3/11/2019	TO15	10061-01-5	cis-1,3-Dichloropropene		U	100	400	ug/m3	UJ	s	Surrogate %R (BFB)	59	70-130 %
320482481	RISG-14-15.0-20190311-FD	3/11/2019	TO15	107-06-2	1,2-Dichloroethane		U	78	710	ug/m3	UJ	s	Surrogate %R (BFB)	59	70-130 %
320482481	RISG-14-15.0-20190311-FD	3/11/2019	TO15	108-05-4	Vinyl Acetate		U	110	620	ug/m3	UJ	s	Surrogate %R (BFB)	59	70-130 %
320482481	RISG-14-15.0-20190311-FD	3/11/2019	TO15	67-66-3	Chloroform	60000	J-	100	320	ug/m3	J-	s	Surrogate %R (BFB)	59	70-130 %
320482481	RISG-14-15.0-20190311-FD	3/11/2019	TO15	100-41-4	Ethyl Benzene		U	60	380	ug/m3	UJ	s	Surrogate %R (BFB)	59	70-130 %
320482481	RISG-14-15.0-20190311-FD	3/11/2019	TO15	108-10-1	4-Methyl-2-pentanone		U	120	360	ug/m3	UJ	s	Surrogate %R (BFB)	59	70-130 %
320482481	RISG-14-15.0-20190311-FD	3/11/2019	TO15	156-59-2	cis-1,2-Dichloroethene		U	78	350	ug/m3	UJ	s	Surrogate %R (BFB)	59	70-130 %

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte ¹	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator ²	Qualification Finding	Acceptance Criteria
320482481	RISG-14-15.0-20190311-FD	3/11/2019	TO15	100-42-5	Styrene		U	55	370	ug/m3	UJ	s	Surrogate %R (BFB)	59	70-130 %
320482481	RISG-14-15.0-20190311-FD	3/11/2019	TO15	74-87-3	Chloromethane		U	89	360	ug/m3	UJ	s	Surrogate %R (BFB)	59	70-130 %
320482481	RISG-14-15.0-20190311-FD	3/11/2019	TO15	106-93-4	1,2-Dibromoethane		U	130	1400	ug/m3	UJ	s	Surrogate %R (BFB)	59	70-130 %
320482481	RISG-14-15.0-20190311-FD	3/11/2019	TO15	10061-02-6	trans-1,3-Dichloropropene		U	88	400	ug/m3	UJ	s	Surrogate %R (BFB)	59	70-130 %
320482481	RISG-14-15.0-20190311-FD	3/11/2019	TO15	106-46-7	1,4-Dichlorobenzene		U	200	530	ug/m3	UJ	s	Surrogate %R (BFB)	59	70-130 %
320482481	RISG-14-15.0-20190311-FD	3/11/2019	TO15	75-34-3	1,1-Dichloroethane		U	64	270	ug/m3	UJ	s	Surrogate %R (BFB)	59	70-130 %
320482481	RISG-14-15.0-20190311-FD	3/11/2019	TO15	71-43-2	Benzene		U	56	280	ug/m3	UJ	s	Surrogate %R (BFB)	59	70-130 %
320482481	RISG-14-15.0-20190311-FD	3/11/2019	TO15	120-82-1	1,2,4-Trichlorobenzene		U	710	3300	ug/m3	UJ	s	Surrogate %R (BFB)	59	70-130 %
320482481	RISG-14-15.0-20190311-FD	3/11/2019	TO15	76-14-2	Freon 114		U	240	620	ug/m3	UJ	s	Surrogate %R (BFB)	59	70-130 %
320482481	RISG-14-5.0-20190311	3/11/2019	TO15	156-59-2	cis-1,2-Dichloroethene		U	62	280	ug/m3	UJ	s	Surrogate %R (BFB)	65	70-130 %
320482481	RISG-14-5.0-20190311	3/11/2019	TO15	100-42-5	Styrene		U	44	300	ug/m3	UJ	s	Surrogate %R (BFB)	65	70-130 %
320482481	RISG-14-5.0-20190311	3/11/2019	TO15	71-43-2	Benzene		U	44	220	ug/m3	UJ	s	Surrogate %R (BFB)	65	70-130 %
320482481	RISG-14-5.0-20190311	3/11/2019	TO15	75-34-3	1,1-Dichloroethane		U	51	210	ug/m3	UJ	s	Surrogate %R (BFB)	65	70-130 %
320482481	RISG-14-5.0-20190311	3/11/2019	TO15	106-46-7	1,4-Dichlorobenzene		U	160	420	ug/m3	UJ	s	Surrogate %R (BFB)	65	70-130 %
320482481	RISG-14-5.0-20190311	3/11/2019	TO15	10061-02-6	trans-1,3-Dichloropropene		U	70	320	ug/m3	UJ	s	Surrogate %R (BFB)	65	70-130 %
320482481	RISG-14-5.0-20190311	3/11/2019	TO15	106-93-4	1,2-Dibromoethane		U	100	1100	ug/m3	UJ	s	Surrogate %R (BFB)	65	70-130 %
320482481	RISG-14-5.0-20190311	3/11/2019	TO15	67-66-3	Chloroform	35000		81	260	ug/m3	J-	s	Surrogate %R (BFB)	65	70-130 %
320482481	RISG-14-5.0-20190311	3/11/2019	TO15	76-14-2	Freon 114		U	190	490	ug/m3	UJ	s	Surrogate %R (BFB)	65	70-130 %
320482481	RISG-14-5.0-20190311	3/11/2019	TO15	120-82-1	1,2,4-Trichlorobenzene		U	570	2600	ug/m3	UJ	s	Surrogate %R (BFB)	65	70-130 %
320482481	RISG-14-5.0-20190311	3/11/2019	TO15	74-87-3	Chloromethane		U	71	290	ug/m3	UJ	s	Surrogate %R (BFB)	65	70-130 %
320482481	RISG-14-5.0-20190311	3/11/2019	TO15	108-05-4	Vinyl Acetate		U	90	490	ug/m3	UJ	s	Surrogate %R (BFB)	65	70-130 %
320482481	RISG-14-5.0-20190311	3/11/2019	TO15	107-06-2	1,2-Dichloroethane		U	63	570	ug/m3	UJ	s	Surrogate %R (BFB)	65	70-130 %
320482481	RISG-14-5.0-20190311	3/11/2019	TO15	10061-01-5	cis-1,3-Dichloropropene		U	83	320	ug/m3	UJ	s	Surrogate %R (BFB)	65	70-130 %
320482481	RISG-14-5.0-20190311	3/11/2019	TO15	87-68-3	Hexachlorobutadiene		U	810	3700	ug/m3	UJ	s	Surrogate %R (BFB)	65	70-130 %
320482481	RISG-14-5.0-20190311	3/11/2019	TO15	79-34-5	1,1,2,2-Tetrachloroethane		U	83	480	ug/m3	UJ	s	Surrogate %R (BFB)	65	70-130 %
320482481	RISG-14-5.0-20190311	3/11/2019	TO15	108-88-3	Toluene		U	34	260	ug/m3	UJ	s	Surrogate %R (BFB)	65	70-130 %
320482481	RISG-14-5.0-20190311	3/11/2019	TO15	108-10-1	4-Methyl-2-pentanone		U	97	290	ug/m3	UJ	s	Surrogate %R (BFB)	65	70-130 %
320482481	RISG-14-5.0-20190311	3/11/2019	TO15	95-50-1	1,2-Dichlorobenzene		U	140	420	ug/m3	UJ	s	Surrogate %R (BFB)	65	70-130 %
320482481	RISG-14-5.0-20190311	3/11/2019	TO15	79-01-6	Trichloroethene		U	99	380	ug/m3	UJ	s	Surrogate %R (BFB)	65	70-130 %
320482481	RISG-14-5.0-20190311	3/11/2019	TO15	108-90-7	Chlorobenzene		U	52	240	ug/m3	UJ	s	Surrogate %R (BFB)	65	70-130 %
320482481	RISG-14-5.0-20190311	3/11/2019	TO15	100-41-4	Ethyl Benzene		U	48	300	ug/m3	UJ	s	Surrogate %R (BFB)	65	70-130 %
320482481	RISG-14-5.0-20190311	3/11/2019	TO15	75-25-2	Bromoform		U	130	730	ug/m3	UJ	s	Surrogate %R (BFB)	65	70-130 %
320482481	RISG-14-5.0-20190311	3/11/2019	TO15	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane		U	220	540	ug/m3	UJ	s	Surrogate %R (BFB)	65	70-130 %
320482481	RISG-14-5.0-20190311	3/11/2019	TO15	108-67-8	1,3,5-Trimethylbenzene		U	110	350	ug/m3	UJ	s	Surrogate %R (BFB)	65	70-130 %
320482481	RISG-14-5.0-20190311	3/11/2019	TO15	622-96-8	4-Ethyltoluene		U	160	350	ug/m3	UJ	s	Surrogate %R (BFB)	65	70-130 %
320482481	RISG-14-5.0-20190311	3/11/2019	TO15	79-00-5	1,1,2-Trichloroethane		U	64	380	ug/m3	UJ	s	Surrogate %R (BFB)	65	70-130 %
320482481	RISG-14-5.0-20190311	3/11/2019	TO15	95-47-6	ortho-xylene		U	41	300	ug/m3	UJ	s	Surrogate %R (BFB)	65	70-130 %
320482481	RISG-14-5.0-20190311	3/11/2019	TO15	100-44-7	Benzyl chloride		U	150	730	ug/m3	UJ	s	Surrogate %R (BFB)	65	70-130 %
320482481	RISG-14-5.0-20190311	3/11/2019	TO15	124-48-1	Dibromochloromethane		U	120	600	ug/m3	UJ	s	Surrogate %R (BFB)	65	70-130 %
320482481	RISG-14-5.0-20190311	3/11/2019	TO15	75-01-4	Vinyl Chloride		U	54	180	ug/m3	UJ	s	Surrogate %R (BFB)	65	70-130 %
320482481	RISG-14-5.0-20190311	3/11/2019	TO15	75-09-2	Methylene Chloride		U	44	240	ug/m3	UJ	s	Surrogate %R (BFB)	65	70-130 %
320482481	RISG-14-5.0-20190311	3/11/2019	TO15	74-83-9	Bromomethane		U	230	550	ug/m3	UJ	s	Surrogate %R (BFB)	65	70-130 %
320482481	RISG-14-5.0-20190311	3/11/2019	TO15	156-60-5	trans-1,2-Dichloroethene		U	70	280	ug/m3	UJ	s	Surrogate %R (BFB)	65	70-130 %
320482481	RISG-14-5.0-20190311	3/11/2019	TO15	591-78-6	2-Hexanone		U	63	290	ug/m3	UJ	s	Surrogate %R (BFB)	65	70-130 %
320482481	RISG-14-5.0-20190311	3/11/2019	TO15	541-73-1	1,3-Dichlorobenzene		U	120	420	ug/m3	UJ	s	Surrogate %R (BFB)	65	70-130 %
320482481	RISG-14-5.0-20190311	3/11/2019	TO15	127-18-4	Tetrachloroethene	160	J	61	480	ug/m3	J-	s,sp	Surrogate %R (BFB); < PQL	65	70-130 %
320482481	RISG-14-5.0-20190311	3/11/2019	TO15	56-23-5	Carbon Tetrachloride		U	71	880	ug/m3	UJ	s	Surrogate %R (BFB)	65	70-130 %
320482481	RISG-14-5.0-20190311	3/11/2019	TO15	75-15-0	Carbon Disulfide		U	43	440	ug/m3	UJ	s	Surrogate %R (BFB)	65	70-130 %
320482481	RISG-14-5.0-20190311	3/11/2019	TO15	67-64-1	Acetone		U	74	830	ug/m3	UJ	s	Surrogate %R (BFB)	65	70-130 %
320482481	RISG-14-5.0-20190311	3/11/2019	TO15	95-63-6	1,2,4-Trimethylbenzene		U	140	690	ug/m3	UJ	s	Surrogate %R (BFB)	65	70-130 %
320482481	RISG-14-5.0-20190311	3/11/2019	TO15	75-71-8	Dichlorodifluoromethane		U	130	350	ug/m3	UJ	s	Surrogate %R (BFB)	65	70-130 %
320482481	RISG-14-5.0-20190311	3/11/2019	TO15	78-93-3	2-Butanone		U	100	410	ug/m3	UJ	s	Surrogate %R (BFB)	65	70-130 %
320482481	RISG-14-5.0-20190311	3/11/2019	TO15	136777-61-2	m,p-xylene		U	76	610	ug/m3	UJ	s	Surrogate %R (BFB)	65	70-130 %
320482481	RISG-14-5.0-20190311	3/11/2019	TO15	75-00-3	Chloroethane		U	140	370	ug/m3	UJ	s	Surrogate %R (BFB)	65	70-130 %
320482481	RISG-14-5.0-20190311	3/11/2019	TO15	71-55-6	1,1,1-Trichloroethane		U	62	290	ug/m3	UJ	s	Surrogate %R (BFB)	65	70-130 %
320482481	RISG-14-5.0-20190311	3/11/2019	TO15	75-27-4	Bromodichloromethane		U	78	350	ug/m3	UJ	s	Surrogate %R (BFB)	65	70-130 %

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte ¹	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator ²	Qualification Finding	Acceptance Criteria
320482481	RISG-14-5.0-20190311	3/11/2019	TO15	75-35-4	1,1-Dichloroethene		U	50	560	ug/m3	UJ	s	Surrogate %R (BFB)	65	70-130 %
320482481	RISG-14-5.0-20190311	3/11/2019	TO15	78-87-5	1,2-Dichloropropane		U	190	320	ug/m3	UJ	s	Surrogate %R (BFB)	65	70-130 %
320482481	RISG-14-5.0-20190311	3/11/2019	TO15	75-69-4	Trichlorofluoromethane		U	190	390	ug/m3	UJ	s	Surrogate %R (BFB)	65	70-130 %
320482481	RISG-1-5.0-20190311	3/11/2019	TO15	108-88-3	Toluene	1.1	J	0.49	3.9	ug/m3	J	sp	< PQL		
320482481	RISG-1-5.0-20190311	3/11/2019	TO15	67-64-1	Acetone	7.8	J	1.1	12	ug/m3	J	sp	< PQL		
320482481	RISG-1-5.0-20190311	3/11/2019	TO15	56-23-5	Carbon Tetrachloride	10	J	1.0	13	ug/m3	J	sp	< PQL		
320482481	RISG-1-5.0-20190311	3/11/2019	TO15	78-93-3	2-Butanone	2.2	J	1.5	6.1	ug/m3	J	sp	< PQL		
320482481	RISG-1-5.0-20190311	3/11/2019	TO15	75-35-4	1,1-Dichloroethene	1.1	J	0.73	8.2	ug/m3	J	sp	< PQL		
320482481	RISG-1-5.0-20190311	3/11/2019	TO15	75-15-0	Carbon Disulfide	23	J	3.1	32	ug/m3	J	sp	< PQL		
320482481	RISG-15-15.0-20190311	3/11/2019	TO15	79-00-5	1,1,2-Trichloroethane		U	58	340	ug/m3	UJ	s	Surrogate %R (BFB)	61	70-130 %
320482481	RISG-15-15.0-20190311	3/11/2019	TO15	95-47-6	ortho-xylene		U	37	270	ug/m3	UJ	s	Surrogate %R (BFB)	61	70-130 %
320482481	RISG-15-15.0-20190311	3/11/2019	TO15	75-01-4	Vinyl Chloride		U	48	160	ug/m3	UJ	s	Surrogate %R (BFB)	61	70-130 %
320482481	RISG-15-15.0-20190311	3/11/2019	TO15	107-06-2	1,2-Dichloroethane		U	56	510	ug/m3	UJ	s	Surrogate %R (BFB)	61	70-130 %
320482481	RISG-15-15.0-20190311	3/11/2019	TO15	76-14-2	Freon 114		U	170	440	ug/m3	UJ	s	Surrogate %R (BFB)	61	70-130 %
320482481	RISG-15-15.0-20190311	3/11/2019	TO15	74-87-3	Chloromethane		U	64	260	ug/m3	UJ	s	Surrogate %R (BFB)	61	70-130 %
320482481	RISG-15-15.0-20190311	3/11/2019	TO15	67-66-3	Chloroform	33000		73	230	ug/m3	J-	s	Surrogate %R (BFB)	61	70-130 %
320482481	RISG-15-15.0-20190311	3/11/2019	TO15	106-93-4	1,2-Dibromoethane		U	91	970	ug/m3	UJ	s	Surrogate %R (BFB)	61	70-130 %
320482481	RISG-15-15.0-20190311	3/11/2019	TO15	10061-02-6	trans-1,3-Dichloropropene		U	63	290	ug/m3	UJ	s	Surrogate %R (BFB)	61	70-130 %
320482481	RISG-15-15.0-20190311	3/11/2019	TO15	106-46-7	1,4-Dichlorobenzene		U	140	380	ug/m3	UJ	s	Surrogate %R (BFB)	61	70-130 %
320482481	RISG-15-15.0-20190311	3/11/2019	TO15	75-34-3	1,1-Dichloroethane		U	46	190	ug/m3	UJ	s	Surrogate %R (BFB)	61	70-130 %
320482481	RISG-15-15.0-20190311	3/11/2019	TO15	71-43-2	Benzene		U	40	200	ug/m3	UJ	s	Surrogate %R (BFB)	61	70-130 %
320482481	RISG-15-15.0-20190311	3/11/2019	TO15	156-59-2	cis-1,2-Dichloroethene		U	56	250	ug/m3	UJ	s	Surrogate %R (BFB)	61	70-130 %
320482481	RISG-15-15.0-20190311	3/11/2019	TO15	100-42-5	Styrene		U	40	270	ug/m3	UJ	s	Surrogate %R (BFB)	61	70-130 %
320482481	RISG-15-15.0-20190311	3/11/2019	TO15	108-05-4	Vinyl Acetate		U	80	440	ug/m3	UJ	s	Surrogate %R (BFB)	61	70-130 %
320482481	RISG-15-15.0-20190311	3/11/2019	TO15	10061-01-5	cis-1,3-Dichloropropene		U	74	290	ug/m3	UJ	s	Surrogate %R (BFB)	61	70-130 %
320482481	RISG-15-15.0-20190311	3/11/2019	TO15	87-68-3	Hexachlorobutadiene		U	730	3400	ug/m3	UJ	s	Surrogate %R (BFB)	61	70-130 %
320482481	RISG-15-15.0-20190311	3/11/2019	TO15	108-88-3	Toluene		U	30	240	ug/m3	UJ	s	Surrogate %R (BFB)	61	70-130 %
320482481	RISG-15-15.0-20190311	3/11/2019	TO15	108-10-1	4-Methyl-2-pentanone		U	87	260	ug/m3	UJ	s	Surrogate %R (BFB)	61	70-130 %
320482481	RISG-15-15.0-20190311	3/11/2019	TO15	95-50-1	1,2-Dichlorobenzene		U	120	380	ug/m3	UJ	s	Surrogate %R (BFB)	61	70-130 %
320482481	RISG-15-15.0-20190311	3/11/2019	TO15	79-01-6	Trichloroethene		U	89	340	ug/m3	UJ	s	Surrogate %R (BFB)	61	70-130 %
320482481	RISG-15-15.0-20190311	3/11/2019	TO15	108-90-7	Chlorobenzene		U	46	220	ug/m3	UJ	s	Surrogate %R (BFB)	61	70-130 %
320482481	RISG-15-15.0-20190311	3/11/2019	TO15	108-67-8	1,3,5-Trimethylbenzene		U	97	310	ug/m3	UJ	s	Surrogate %R (BFB)	61	70-130 %
320482481	RISG-15-15.0-20190311	3/11/2019	TO15	75-25-2	Bromoform		U	110	650	ug/m3	UJ	s	Surrogate %R (BFB)	61	70-130 %
320482481	RISG-15-15.0-20190311	3/11/2019	TO15	124-48-1	Dibromochloromethane		U	110	540	ug/m3	UJ	s	Surrogate %R (BFB)	61	70-130 %
320482481	RISG-15-15.0-20190311	3/11/2019	TO15	120-82-1	1,2,4-Trichlorobenzene		U	510	2300	ug/m3	UJ	s	Surrogate %R (BFB)	61	70-130 %
320482481	RISG-15-15.0-20190311	3/11/2019	TO15	75-35-4	1,1-Dichloroethene		U	45	500	ug/m3	UJ	s	Surrogate %R (BFB)	61	70-130 %
320482481	RISG-15-15.0-20190311	3/11/2019	TO15	75-15-0	Carbon Disulfide	78	J	38	390	ug/m3	J-	s,sp	Surrogate %R (BFB); < PQL	61	70-130 %
320482481	RISG-15-15.0-20190311	3/11/2019	TO15	74-83-9	Bromomethane		U	200	490	ug/m3	UJ	s	Surrogate %R (BFB)	61	70-130 %
320482481	RISG-15-15.0-20190311	3/11/2019	TO15	622-96-8	4-Ethyltoluene		U	140	310	ug/m3	UJ	s	Surrogate %R (BFB)	61	70-130 %
320482481	RISG-15-15.0-20190311	3/11/2019	TO15	591-78-6	2-Hexanone		U	56	260	ug/m3	UJ	s	Surrogate %R (BFB)	61	70-130 %
320482481	RISG-15-15.0-20190311	3/11/2019	TO15	541-73-1	1,3-Dichlorobenzene		U	100	380	ug/m3	UJ	s	Surrogate %R (BFB)	61	70-130 %
320482481	RISG-15-15.0-20190311	3/11/2019	TO15	127-18-4	Tetrachloroethene	130	J	54	430	ug/m3	J-	s,sp	Surrogate %R (BFB); < PQL	61	70-130 %
320482481	RISG-15-15.0-20190311	3/11/2019	TO15	78-87-5	1,2-Dichloropropane		U	170	290	ug/m3	UJ	s	Surrogate %R (BFB)	61	70-130 %
320482481	RISG-15-15.0-20190311	3/11/2019	TO15	79-34-5	1,1,2,2-Tetrachloroethane		U	75	430	ug/m3	UJ	s	Surrogate %R (BFB)	61	70-130 %
320482481	RISG-15-15.0-20190311	3/11/2019	TO15	95-63-6	1,2,4-Trimethylbenzene		U	130	620	ug/m3	UJ	s	Surrogate %R (BFB)	61	70-130 %
320482481	RISG-15-15.0-20190311	3/11/2019	TO15	100-41-4	Ethyl Benzene		U	43	270	ug/m3	UJ	s	Surrogate %R (BFB)	61	70-130 %
320482481	RISG-15-15.0-20190311	3/11/2019	TO15	75-69-4	Trichlorofluoromethane		U	170	350	ug/m3	UJ	s	Surrogate %R (BFB)	61	70-130 %
320482481	RISG-15-15.0-20190311	3/11/2019	TO15	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane		U	200	480	ug/m3	UJ	s	Surrogate %R (BFB)	61	70-130 %
320482481	RISG-15-15.0-20190311	3/11/2019	TO15	75-27-4	Bromodichloromethane	72	J	70	320	ug/m3	J-	s,sp	Surrogate %R (BFB); < PQL	61	70-130 %
320482481	RISG-15-15.0-20190311	3/11/2019	TO15	75-09-2	Methylene Chloride		U	39	220	ug/m3	UJ	s	Surrogate %R (BFB)	61	70-130 %
320482481	RISG-15-15.0-20190311	3/11/2019	TO15	71-55-6	1,1,1-Trichloroethane		U	56	260	ug/m3	UJ	s	Surrogate %R (BFB)	61	70-130 %
320482481	RISG-15-15.0-20190311	3/11/2019	TO15	75-00-3	Chloroethane		U	130	330	ug/m3	UJ	s	Surrogate %R (BFB)	61	70-130 %
320482481	RISG-15-15.0-20190311	3/11/2019	TO15	136777-61-2	m,p-xylene		U	68	550	ug/m3	UJ	s	Surrogate %R (BFB)	61	70-130 %
320482481	RISG-15-15.0-20190311	3/11/2019	TO15	78-93-3	2-Butanone		U	92	370	ug/m3	UJ	s	Surrogate %R (BFB)	61	70-130 %
320482481	RISG-15-15.0-20190311	3/11/2019	TO15	75-71-8	Dichlorodifluoromethane		U	110	310	ug/m3	UJ	s	Surrogate %R (BFB)	61	70-130 %
320482481	RISG-15-15.0-20190311	3/11/2019	TO15	56-23-5	Carbon Tetrachloride		U	63	790	ug/m3	UJ	s	Surrogate %R (BFB)	61	70-130 %

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte ¹	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator ²	Qualification Finding	Acceptance Criteria
320482481	RISG-15-15.0-20190311	3/11/2019	TO15	67-64-1	Acetone		U	67	750	ug/m3	UJ	s	Surrogate %R (BFB)	61	70-130 %
320482481	RISG-15-15.0-20190311	3/11/2019	TO15	156-60-5	trans-1,2-Dichloroethene		U	62	250	ug/m3	UJ	s	Surrogate %R (BFB)	61	70-130 %
320482481	RISG-15-15.0-20190311	3/11/2019	TO15	100-44-7	Benzyl chloride		U	130	650	ug/m3	UJ	s	Surrogate %R (BFB)	61	70-130 %
320482481	RISG-15-5.0-20190311	3/11/2019	TO15	127-18-4	Tetrachloroethene	30	J	8.9	70	ug/m3	J	sp	< PQL		
320482481	RISG-15-5.0-20190311	3/11/2019	TO15	75-15-0	Carbon Disulfide	29	J	6.3	64	ug/m3	J	sp	< PQL		
320482481	RISG-15-5.0-20190311	3/11/2019	TO15	67-64-1	Acetone	18	J	11	120	ug/m3	J	sp	< PQL		
320482481	RISG-21-15.0-20190311	3/11/2019	TO15	127-18-4	Tetrachloroethene	22	J	3.3	26	ug/m3	J	sp	< PQL		
320482481	RISG-21-15.0-20190311	3/11/2019	TO15	75-15-0	Carbon Disulfide	8.1	J	2.3	24	ug/m3	J	sp	< PQL		
320482481	RISG-21-15.0-20190311	3/11/2019	TO15	136777-61-2	m,p-xylene	4.6	JB	4.2	33	ug/m3	J	bl,sp	MB contamination; < PQL	2.69	10.3 ug/m3
320482481	RISG-21-15.0-20190311	3/11/2019	TO15	56-23-5	Carbon Tetrachloride	4.9	J	3.9	48	ug/m3	J	sp	< PQL		
320482481	RISG-21-15.0-20190311	3/11/2019	TO15	67-64-1	Acetone	7.2	J	4.1	46	ug/m3	J	sp	< PQL		
320482481	RISG-21-15.0-20190311	3/11/2019	TO15	100-44-7	Benzyl chloride	20	J	8.1	40	ug/m3	J	sp	< PQL		
320482481	RISG-21-5.0-20190311	3/11/2019	TO15	56-23-5	Carbon Tetrachloride	3.3	J	2.0	25	ug/m3	J	sp	< PQL		
320482481	RISG-21-5.0-20190311	3/11/2019	TO15	95-47-6	ortho-xylene	2.7	J	1.2	8.7	ug/m3	J	sp	< PQL		
320482481	RISG-21-5.0-20190311	3/11/2019	TO15	541-73-1	1,3-Dichlorobenzene	6.2	J	3.3	12	ug/m3	J	sp	< PQL		
320482481	RISG-21-5.0-20190311	3/11/2019	TO15	127-18-4	Tetrachloroethene	11	J	1.7	14	ug/m3	J	sp	< PQL		
320482481	RISG-21-5.0-20190311	3/11/2019	TO15	75-09-2	Methylene Chloride	2.2	J	1.3	6.9	ug/m3	J	sp	< PQL		
320482481	RISG-21-5.0-20190311	3/11/2019	TO15	136777-61-2	m,p-xylene	7.0	JB	2.2	17	ug/m3	J	sp	< PQL		
320482481	RISG-21-5.0-20190311	3/11/2019	TO15	75-71-8	Dichlorodifluoromethane	4.3	J	3.6	9.9	ug/m3	J	sp	< PQL		
320482481	RISG-21-5.0-20190311	3/11/2019	TO15	67-64-1	Acetone	23	J	2.1	24	ug/m3	J	sp	< PQL		
320482481	RISG-21-5.0-20190311	3/11/2019	TO15	100-41-4	Ethyl Benzene	1.7	J	1.4	8.7	ug/m3	J	sp	< PQL		
320482481	RISG-21-5.0-20190311	3/11/2019	TO15	108-88-3	Toluene	6.6	J	0.96	7.5	ug/m3	J	sp	< PQL		
320482481	RISG-21-5.0-20190311	3/11/2019	TO15	108-67-8	1,3,5-Trimethylbenzene	3.2	J	3.1	9.8	ug/m3	J	sp	< PQL		
320482481	RISG-21-5.0-20190311	3/11/2019	TO15	78-93-3	2-Butanone	3.0	J	2.9	12	ug/m3	J	sp	< PQL		
320482481	RISG-29-15.0-20190311	3/11/2019	TO15	75-71-8	Dichlorodifluoromethane	3.9	J	3.6	9.9	ug/m3	J	sp	< PQL		
320482481	RISG-29-15.0-20190311	3/11/2019	TO15	108-10-1	4-Methyl-2-pentanone	5.8	J	2.8	8.2	ug/m3	J	sp	< PQL		
320482481	RISG-29-15.0-20190311	3/11/2019	TO15	79-01-6	Trichloroethene	7.7	J	2.8	11	ug/m3	J	sp	< PQL		
320482481	RISG-29-15.0-20190311	3/11/2019	TO15	108-88-3	Toluene	2.9	J	0.96	7.5	ug/m3	J	sp	< PQL		
320482481	RISG-29-15.0-20190311	3/11/2019	TO15	71-43-2	Benzene	1.3	J	1.3	6.4	ug/m3	J	sp	< PQL		
320482481	RISG-29-15.0-20190311	3/11/2019	TO15	100-41-4	Ethyl Benzene	3.8	J	1.4	8.7	ug/m3	J	sp	< PQL		
320482481	RISG-29-15.0-20190311	3/11/2019	TO15	56-23-5	Carbon Tetrachloride	5.2	J	2.0	25	ug/m3	J	sp	< PQL		
320482481	RISG-29-15.0-20190311	3/11/2019	TO15	136777-61-2	m,p-xylene	16	JB	2.2	17	ug/m3	J	sp	< PQL		
320482481	RISG-29-15.0-20190311	3/11/2019	TO15	75-27-4	Bromodichloromethane	5.9	J	2.2	10	ug/m3	J	sp	< PQL		
320482481	RISG-29-15.0-20190311	3/11/2019	TO15	75-35-4	1,1-Dichloroethene	1.5	J	1.4	16	ug/m3	J	sp	< PQL		
320482481	RISG-29-15.0-20190311	3/11/2019	TO15	95-63-6	1,2,4-Trimethylbenzene	4.4	J	4.0	20	ug/m3	J	sp	< PQL		
320482481	RISG-29-15.0-20190311	3/11/2019	TO15	78-93-3	2-Butanone	9.8	J	2.9	12	ug/m3	J	sp	< PQL		
320482481	RISG-29-15.0-20190311	3/11/2019	TO15	541-73-1	1,3-Dichlorobenzene	7.1	J	3.3	12	ug/m3	J	sp	< PQL		
320482481	RISG-29-15.0-20190311	3/11/2019	TO15	95-47-6	ortho-xylene	6.7	J	1.2	8.7	ug/m3	J	sp	< PQL		
320482481	RISG-29-5.0-20190311	3/11/2019	TO15	56-23-5	Carbon Tetrachloride	3.8	J	2.0	25	ug/m3	J	sp	< PQL		
320482481	RISG-29-5.0-20190311	3/11/2019	TO15	95-63-6	1,2,4-Trimethylbenzene	6.8	J	4.0	20	ug/m3	J	sp	< PQL		
320482481	RISG-29-5.0-20190311	3/11/2019	TO15	541-73-1	1,3-Dichlorobenzene	6.9	J	3.3	12	ug/m3	J	sp	< PQL		
320482481	RISG-29-5.0-20190311	3/11/2019	TO15	75-27-4	Bromodichloromethane	5.5	J	2.2	10	ug/m3	J	sp	< PQL		
320482481	RISG-29-5.0-20190311	3/11/2019	TO15	67-64-1	Acetone	16	J	2.1	24	ug/m3	J	sp	< PQL		
320482481	RISG-29-5.0-20190311	3/11/2019	TO15	108-88-3	Toluene	3.3	J	0.96	7.5	ug/m3	J	sp	< PQL		
320482481	RISG-29-5.0-20190311	3/11/2019	TO15	79-01-6	Trichloroethene	3.1	J	2.8	11	ug/m3	J	sp	< PQL		
320482481	RISG-29-5.0-20190311	3/11/2019	TO15	108-67-8	1,3,5-Trimethylbenzene	4.8	J	3.1	9.8	ug/m3	J	sp	< PQL		
320482481	RISG-29-5.0-20190311	3/11/2019	TO15	75-71-8	Dichlorodifluoromethane	4.4	J	3.6	9.9	ug/m3	J	sp	< PQL		
320483131	RISG-31-5.0-20190313	3/13/2019	TO15	67-64-1	Acetone	19	J	2.1	24	ug/m3	J	sp	< PQL		
320483131	RISG-31-5.0-20190313	3/13/2019	TO15	75-71-8	Dichlorodifluoromethane	3.8	J	3.6	9.9	ug/m3	J	sp	< PQL		
320483131	RISG-31-5.0-20190313	3/13/2019	TO15	75-15-0	Carbon Disulfide	12	J	1.2	12	ug/m3	J	sp	< PQL		
320483131	RISG-32-15.0-20190313	3/13/2019	TO15	75-71-8	Dichlorodifluoromethane	3.6	J	3.6	9.9	ug/m3	J	sp	< PQL		
320483131	RISG-32-15.0-20190313	3/13/2019	TO15	75-00-3	Chloroethane	8.9	J	4.1	11	ug/m3	J	sp	< PQL		
320483131	RISG-32-15.0-20190313	3/13/2019	TO15	79-01-6	Trichloroethene	3.4	J	2.8	11	ug/m3	J	sp	< PQL		
320483131	RISG-32-15.0-20190313	3/13/2019	TO15	75-09-2	Methylene Chloride	3.0	J	1.3	6.9	ug/m3	J	sp	< PQL		
320483131	RISG-32-15.0-20190313	3/13/2019	TO15	75-15-0	Carbon Disulfide	3.3	J	1.2	12	ug/m3	J	sp	< PQL		
320483131	RISG-32-15.0-20190313	3/13/2019	TO15	67-64-1	Acetone	6.3	J	2.1	24	ug/m3	J	sp	< PQL		

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte ¹	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator ²	Qualification Finding	Acceptance Criteria
320483131	RISG-32-5.0-20190313	3/13/2019	TO15	67-64-1	Acetone	12	J	2.1	24	ug/m3	J	sp	< PQL		
320483131	RISG-32-5.0-20190313	3/13/2019	TO15	75-71-8	Dichlorodifluoromethane	3.7	J	3.6	9.9	ug/m3	J	sp	< PQL		
320483131	RISG-33-15.0-20190313	3/13/2019	TO15	95-50-1	1,2-Dichlorobenzene	19	J	12	36	ug/m3	J	sp	< PQL		
320483131	RISG-33-15.0-20190313	3/13/2019	TO15	108-90-7	Chlorobenzene	10	J	4.4	21	ug/m3	J	sp	< PQL		
320483131	RISG-33-15.0-20190313	3/13/2019	TO15	71-43-2	Benzene	4.7	J	3.7	19	ug/m3	J	sp	< PQL		
320483131	RISG-33-15.0-20190313	3/13/2019	TO15	106-46-7	1,4-Dichlorobenzene	16	J	13	36	ug/m3	J	sp	< PQL		
320483131	RISG-33-15.0-20190313	3/13/2019	TO15	67-64-1	Acetone	7.4	J	6.3	71	ug/m3	J	sp	< PQL		
320483131	RISG-33-15.0-20190313	3/13/2019	TO15	75-09-2	Methylene Chloride	20	J	3.7	21	ug/m3	J	sp	< PQL		
320483131	RISG-33-15.0-20190313	3/13/2019	TO15	75-15-0	Carbon Disulfide	7.2	J	3.6	37	ug/m3	J	sp	< PQL		
320483131	RISG-33-5.0-20190313	3/13/2019	TO15	75-71-8	Dichlorodifluoromethane	4.1	J	3.6	9.9	ug/m3	J	sp	< PQL		
320483131	RISG-33-5.0-20190313	3/13/2019	TO15	75-35-4	1,1-Dichloroethene	1.8	J	1.4	16	ug/m3	J	sp	< PQL		
320483131	RISG-33-5.0-20190313	3/13/2019	TO15	75-15-0	Carbon Disulfide	11	J	1.2	12	ug/m3	J	sp	< PQL		
320483131	RISG-33-5.0-20190313	3/13/2019	TO15	79-00-5	1,1,2-Trichloroethane	3.3	J	1.8	11	ug/m3	J	sp	< PQL		
320483131	RISG-33-5.0-20190313	3/13/2019	TO15	67-64-1	Acetone	16	J	2.1	24	ug/m3	J	sp	< PQL		
320483131	RISG-33-5.0-20190313-FD	3/13/2019	TO15	75-35-4	1,1-Dichloroethene	1.7	J	1.4	16	ug/m3	J	sp	< PQL		
320483131	RISG-33-5.0-20190313-FD	3/13/2019	TO15	108-88-3	Toluene	1.1	J	0.96	7.5	ug/m3	J	sp	< PQL		
320483131	RISG-33-5.0-20190313-FD	3/13/2019	TO15	67-64-1	Acetone	8.7	J	2.1	24	ug/m3	J	sp	< PQL		
320483131	RISG-33-5.0-20190313-FD	3/13/2019	TO15	95-50-1	1,2-Dichlorobenzene	4.8	J	3.9	12	ug/m3	J	sp	< PQL		
320483131	RISG-33-5.0-20190313-FD	3/13/2019	TO15	136777-61-2	m,p-xylene	3.3	JB	2.2	17	ug/m3	J	bl,sp	MB contamination; < PQL	2.19	4.38 ug/m3
320483131	RISG-33-5.0-20190313-FD	3/13/2019	TO15	75-15-0	Carbon Disulfide	5.9	J	1.2	12	ug/m3	J	sp	< PQL		
320483131	RISG-33-5.0-20190313-FD	3/13/2019	TO15	79-00-5	1,1,2-Trichloroethane	3.5	J	1.8	11	ug/m3	J	sp	< PQL		
320483131	RISG-33-5.0-20190313-FD	3/13/2019	TO15	95-47-6	ortho-xylene	1.8	JB	1.2	8.7	ug/m3	J	bl,sp	MB contamination; < PQL	1.19	2.38 ug/m3
320483131	RISG-33-5.0-20190313-FD	3/13/2019	TO15	541-73-1	1,3-Dichlorobenzene	8.1	J	3.3	12	ug/m3	J	sp	< PQL		
320483131	RISG-33-5.0-20190313-FD	3/13/2019	TO15	75-71-8	Dichlorodifluoromethane	4.2	J	3.6	9.9	ug/m3	J	sp	< PQL		
320483131	RISG-34-15.0-20190313	3/13/2019	TO15	67-64-1	Acetone	20	J	2.1	24	ug/m3	J	sp	< PQL		
320483131	RISG-34-15.0-20190313	3/13/2019	TO15	75-71-8	Dichlorodifluoromethane	4.1	J	3.6	9.9	ug/m3	J	sp	< PQL		
320483131	RISG-34-15.0-20190313	3/13/2019	TO15	75-15-0	Carbon Disulfide	7.0	J	1.2	12	ug/m3	J	sp	< PQL		
320483131	RISG-34-5.0-20190313	3/13/2019	TO15	136777-61-2	m,p-xylene	3.6	JB	2.2	17	ug/m3	J	bl,sp	MB contamination; < PQL	2.19	4.38 ug/m3
320483131	RISG-34-5.0-20190313	3/13/2019	TO15	79-01-6	Trichloroethene	8.5	J	2.8	11	ug/m3	J	sp	< PQL		
320483131	RISG-34-5.0-20190313	3/13/2019	TO15	108-88-3	Toluene	1.9	J	0.96	7.5	ug/m3	J	sp	< PQL		
320483131	RISG-34-5.0-20190313	3/13/2019	TO15	75-71-8	Dichlorodifluoromethane	4.1	J	3.6	9.9	ug/m3	J	sp	< PQL		
320483131	RISG-34-5.0-20190313	3/13/2019	TO15	75-09-2	Methylene Chloride	5.5	J	1.3	6.9	ug/m3	J	sp	< PQL		
320483131	RISG-34-5.0-20190313	3/13/2019	TO15	75-15-0	Carbon Disulfide	4.9	J	1.2	12	ug/m3	J	sp	< PQL		
320483131	RISG-34-5.0-20190313	3/13/2019	TO15	95-47-6	ortho-xylene	1.5	JB	1.2	8.7	ug/m3	J	bl,sp	MB contamination; < PQL	1.19	2.38 ug/m3
320483131	RISG-34-5.0-20190313	3/13/2019	TO15	67-64-1	Acetone	5.9	J	2.1	24	ug/m3	J	sp	< PQL		
320483131	RISG-4-15.0-20190311	3/11/2019	TO15	108-88-3	Toluene	2.8	J	0.96	7.5	ug/m3	J	sp	< PQL		
320483131	RISG-4-15.0-20190311	3/11/2019	TO15	67-64-1	Acetone	16	J	2.1	24	ug/m3	J	sp	< PQL		
320483131	RISG-4-15.0-20190311	3/11/2019	TO15	78-93-3	2-Butanone	3.5	J	2.9	12	ug/m3	J	sp	< PQL		
320483131	RISG-4-15.0-20190311	3/11/2019	TO15	75-15-0	Carbon Disulfide	9.2	J	1.2	12	ug/m3	J	sp	< PQL		
320483131	RISG-4-5.0-20190311	3/11/2019	TO15	75-15-0	Carbon Disulfide	11	J	1.2	12	ug/m3	J	sp	< PQL		
320483131	RISG-4-5.0-20190311	3/11/2019	TO15	67-64-1	Acetone	13	J	2.1	24	ug/m3	J	sp	< PQL		
320483131	RISG-4-5.0-20190311	3/11/2019	TO15	108-88-3	Toluene	2.2	J	0.96	7.5	ug/m3	J	sp	< PQL		
320483131	RISG-4-5.0-20190311	3/11/2019	TO15	75-71-8	Dichlorodifluoromethane	4.0	J	3.6	9.9	ug/m3	J	sp	< PQL		
320483131	RISG-4-5.0-20190311	3/11/2019	TO15	95-47-6	ortho-xylene	1.3	JB	1.2	8.7	ug/m3	J	bl,sp	MB contamination; < PQL	1.19	2.38 ug/m3
320483131	RISG-4-5.0-20190311	3/11/2019	TO15	136777-61-2	m,p-xylene	2.6	JB	2.2	17	ug/m3	J	bl,sp	MB contamination; < PQL	2.19	4.38 ug/m3
320483131	RISG-4-5.0-20190311	3/11/2019	TO15	75-27-4	Bromodichloromethane	9.3	J	2.2	10	ug/m3	J	sp	< PQL		
320483131	RISG-5-5.0-20190313	3/13/2019	TO15	78-93-3	2-Butanone	5.1	J	2.9	12	ug/m3	J	sp	< PQL		
320483131	RISG-5-5.0-20190313	3/13/2019	TO15	75-09-2	Methylene Chloride	1.5	J	1.3	6.9	ug/m3	J	sp	< PQL		
320483131	RISG-5-5.0-20190313	3/13/2019	TO15	75-71-8	Dichlorodifluoromethane	3.9	J	3.6	9.9	ug/m3	J	sp	< PQL		
320483131	RISG-5-5.0-20190313	3/13/2019	TO15	56-23-5	Carbon Tetrachloride	2.1	J	2.0	25	ug/m3	J	sp	< PQL		
320483131	RISG-5-5.0-20190313	3/13/2019	TO15	67-64-1	Acetone	15	J	2.1	24	ug/m3	J	sp	< PQL		
320483131	RISG-5-5.0-20190313	3/13/2019	TO15	100-41-4	Ethyl Benzene	4.4	J	1.4	8.7	ug/m3	J	sp	< PQL		
320483131	RISG-5-5.0-20190313	3/13/2019	TO15	71-43-2	Benzene	1.8	J	1.3	6.4	ug/m3	J	sp	< PQL		
320483131	RISG-5-5.0-20190313	3/13/2019	TO15	79-01-6	Trichloroethene	9.7	J	2.8	11	ug/m3	J	sp	< PQL		
320483131	RISG-5-5.0-20190313	3/13/2019	TO15	95-47-6	ortho-xylene	8.1	JB	1.2	8.7	ug/m3	J	sp	< PQL		
320483131	RISG-5-5.0-20190313-FD	3/13/2019	TO15	100-41-4	Ethyl Benzene	5.7	J	1.4	8.7	ug/m3	J	sp	< PQL		

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte ¹	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator ²	Qualification Finding	Acceptance Criteria
320483131	RISG-5-5.0-20190313-FD	3/13/2019	TO15	108-90-7	Chlorobenzene	5.5	J	1.5	6.9	ug/m3	J	sp	< PQL		
320483131	RISG-5-5.0-20190313-FD	3/13/2019	TO15	95-50-1	1,2-Dichlorobenzene	7.3	J	3.9	12	ug/m3	J	sp	< PQL		
320483131	RISG-5-5.0-20190313-FD	3/13/2019	TO15	75-25-2	Bromoform	4.5	J	3.6	21	ug/m3	J	sp	< PQL		
320483131	RISG-5-5.0-20190313-FD	3/13/2019	TO15	79-34-5	1,1,2,2-Tetrachloroethane	5.6	J	2.4	14	ug/m3	J	sp	< PQL		
320483131	RISG-5-5.0-20190313-FD	3/13/2019	TO15	71-43-2	Benzene	1.5	J	1.3	6.4	ug/m3	J	sp	< PQL		
320483131	RISG-5-5.0-20190313-FD	3/13/2019	TO15	108-67-8	1,3,5-Trimethylbenzene	5.9	J	3.1	9.8	ug/m3	J	sp	< PQL		
320483131	RISG-5-5.0-20190313-FD	3/13/2019	TO15	100-42-5	Styrene	6.1	J	1.3	8.5	ug/m3	J	sp	< PQL		
320483131	RISG-5-5.0-20190313-FD	3/13/2019	TO15	67-64-1	Acetone	18	J	2.1	24	ug/m3	J	sp	< PQL		
320483131	RISG-5-5.0-20190313-FD	3/13/2019	TO15	75-71-8	Dichlorodifluoromethane	3.6	J	3.6	9.9	ug/m3	J	sp	< PQL		
320483131	RISG-5-5.0-20190313-FD	3/13/2019	TO15	78-93-3	2-Butanone	4.1	J	2.9	12	ug/m3	J	sp	< PQL		
320483131	RISG-5-5.0-20190313-FD	3/13/2019	TO15	75-35-4	1,1-Dichloroethene	1.5	J	1.4	16	ug/m3	J	sp	< PQL		
320483131	RISG-5-5.0-20190313-FD	3/13/2019	TO15	95-63-6	1,2,4-Trimethylbenzene	5.5	J	4.0	20	ug/m3	J	sp	< PQL		
320483131	RISG-5-5.0-20190313-FD	3/13/2019	TO15	541-73-1	1,3-Dichlorobenzene	7.8	J	3.3	12	ug/m3	J	sp	< PQL		
320483131	RISG-5-5.0-20190313-FD	3/13/2019	TO15	591-78-6	2-Hexanone	2.6	J	1.8	8.2	ug/m3	J	sp	< PQL		
320483131	RISG-5-5.0-20190313-FD	3/13/2019	TO15	100-44-7	Benzyl chloride	10	J	4.2	21	ug/m3	J	sp	< PQL		
320483131	RISG-5-5.0-20190313-FD	3/13/2019	TO15	106-46-7	1,4-Dichlorobenzene	6.7	J	4.5	12	ug/m3	J	sp	< PQL		
320483131	RISG-5-5.0-20190313-FD	3/13/2019	TO15	56-23-5	Carbon Tetrachloride	2.7	J	2.0	25	ug/m3	J	sp	< PQL		
320483721	RISG-16-5.0-20190314	3/14/2019	TO15	127-18-4	Tetrachloroethene	160	J	86	670	ug/m3	J	sp	< PQL		
320483721	RISG-17-5.0-20190314	3/14/2019	TO15	75-35-4	1,1-Dichloroethene	330	J	320	3600	ug/m3	J	sp	< PQL		
320483721	RISG-17-5.0-20190314	3/14/2019	TO15	127-18-4	Tetrachloroethene	1600	J	390	3100	ug/m3	J	sp	< PQL		
320483721	RISG-18-5.0-20190314	3/14/2019	TO15	127-18-4	Tetrachloroethene	250	J	48	370	ug/m3	J	sp	< PQL		
320483721	RISG-18-5.0-20190314	3/14/2019	TO15	75-09-2	Methylene Chloride	37	J	34	190	ug/m3	J	sp	< PQL		
320483721	RISG-19-5.0-20190314	3/14/2019	TO15	127-18-4	Tetrachloroethene	270	J	140	1100	ug/m3	J	sp	< PQL		
320483721	RISG-20-15.0-20190314	3/14/2019	TO15	75-09-2	Methylene Chloride	13	J	4.7	26	ug/m3	J	sp	< PQL		
320483721	RISG-20-15.0-20190314	3/14/2019	TO15	67-64-1	Acetone	18	J	7.9	88	ug/m3	J	sp	< PQL		
320483721	RISG-20-15.0-20190314	3/14/2019	TO15	108-88-3	Toluene	4.4	J	3.6	28	ug/m3	J	sp	< PQL		
320483721	RISG-20-15.0-20190314-FD	3/14/2019	TO15	67-64-1	Acetone	15	J	11	120	ug/m3	J	sp	< PQL		
320483721	RISG-20-5.0-20190314	3/14/2019	TO15	67-64-1	Acetone	22	J	4.6	52	ug/m3	J	sp	< PQL		
320483721	RISG-20-5.0-20190314	3/14/2019	TO15	136777-61-2	m,p-xylene	32	J	4.8	38	ug/m3	J	sp	< PQL		
320483721	RISG-20-5.0-20190314	3/14/2019	TO15	108-88-3	Toluene	5.8	J	2.1	17	ug/m3	J	sp	< PQL		
320483721	RISG-20-5.0-20190314	3/14/2019	TO15	95-47-6	ortho-xylene	11	J	2.6	19	ug/m3	J	sp	< PQL		
320483721	RISG-20-5.0-20190314	3/14/2019	TO15	75-15-0	Carbon Disulfide	8.5	J	2.7	27	ug/m3	J	sp	< PQL		
320483721	RISG-20-5.0-20190314	3/14/2019	TO15	100-41-4	Ethyl Benzene	6.2	J	3.0	19	ug/m3	J	sp	< PQL		
320483721	RISG-2-15.0-20190314	3/14/2019	TO15	56-23-5	Carbon Tetrachloride	18	J	2.0	25	ug/m3	J	sp	< PQL		
320483721	RISG-2-15.0-20190314	3/14/2019	TO15	75-71-8	Dichlorodifluoromethane	4.3	J	3.6	9.9	ug/m3	J	sp	< PQL		
320483721	RISG-2-15.0-20190314	3/14/2019	TO15	75-09-2	Methylene Chloride	2.2	J	1.3	6.9	ug/m3	J	sp	< PQL		
320483721	RISG-2-15.0-20190314	3/14/2019	TO15	75-35-4	1,1-Dichloroethene	6.4	J	1.4	16	ug/m3	J	sp	< PQL		
320483721	RISG-2-5.0-20190314	3/14/2019	TO15	75-35-4	1,1-Dichloroethene	5.7	J	1.4	16	ug/m3	J	sp	< PQL		
320483721	RISG-2-5.0-20190314	3/14/2019	TO15	79-01-6	Trichloroethene	3.1	J	2.8	11	ug/m3	J	sp	< PQL		
320483721	RISG-2-5.0-20190314	3/14/2019	TO15	108-88-3	Toluene	5.4	J	0.96	7.5	ug/m3	J	sp	< PQL		
320483721	RISG-2-5.0-20190314	3/14/2019	TO15	71-43-2	Benzene	1.5	J	1.3	6.4	ug/m3	J	sp	< PQL		
320483721	RISG-2-5.0-20190314	3/14/2019	TO15	100-41-4	Ethyl Benzene	1.5	J	1.4	8.7	ug/m3	J	sp	< PQL		
320483721	RISG-2-5.0-20190314	3/14/2019	TO15	67-64-1	Acetone	20	J	2.1	24	ug/m3	J	sp	< PQL		
320483721	RISG-2-5.0-20190314	3/14/2019	TO15	136777-61-2	m,p-xylene	5.7	J	2.2	17	ug/m3	J	sp	< PQL		
320483721	RISG-2-5.0-20190314	3/14/2019	TO15	95-63-6	1,2,4-Trimethylbenzene	4.7	J	4.0	20	ug/m3	J	sp	< PQL		
320483721	RISG-2-5.0-20190314	3/14/2019	TO15	541-73-1	1,3-Dichlorobenzene	4.3	J	3.3	12	ug/m3	J	sp	< PQL		
320483721	RISG-2-5.0-20190314	3/14/2019	TO15	95-47-6	ortho-xylene	2.3	J	1.2	8.7	ug/m3	J	sp	< PQL		
320483721	RISG-2-5.0-20190314	3/14/2019	TO15	75-71-8	Dichlorodifluoromethane	4.2	J	3.6	9.9	ug/m3	J	sp	< PQL		
320483721	RISG-5-15.0-20190314	3/14/2019	TO15	75-34-3	1,1-Dichloroethane	2.3	J	1.5	6.1	ug/m3	J	sp	< PQL		
320483721	RISG-5-15.0-20190314	3/14/2019	TO15	136777-61-2	m,p-xylene	3.1	J	2.2	17	ug/m3	J	sp	< PQL		
320483721	RISG-5-15.0-20190314	3/14/2019	TO15	95-47-6	ortho-xylene	1.4	J	1.2	8.7	ug/m3	J	sp	< PQL		
320483721	RISG-5-15.0-20190314	3/14/2019	TO15	75-15-0	Carbon Disulfide	5.8	J	1.2	12	ug/m3	J	sp	< PQL		
320483721	RISG-5-15.0-20190314	3/14/2019	TO15	75-35-4	1,1-Dichloroethene	7.5	J	1.4	16	ug/m3	J	sp	< PQL		
320483721	RISG-5-15.0-20190314	3/14/2019	TO15	75-71-8	Dichlorodifluoromethane	3.9	J	3.6	9.9	ug/m3	J	sp	< PQL		
320483721	RISG-5-15.0-20190314	3/14/2019	TO15	108-88-3	Toluene	1.7	J	0.96	7.5	ug/m3	J	sp	< PQL		
320483721	RISG-5-15.0-20190314	3/14/2019	TO15	67-64-1	Acetone	14	J	2.1	24	ug/m3	J	sp	< PQL		

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte ¹	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator ²	Qualification Finding	Acceptance Criteria
320483721	RISG-5-15.0-20190314	3/14/2019	TO15	78-93-3	2-Butanone	5.6	J	2.9	12	ug/m3	J	sp	< PQL		
320483721	RISG-5-15.0-20190314	3/14/2019	TO15	56-23-5	Carbon Tetrachloride	3.0	J	2.0	25	ug/m3	J	sp	< PQL		
320483721	RISG-7-10.0-20190314	3/14/2019	TO15	108-88-3	Toluene	5.1	J	0.96	7.5	ug/m3	J	sp	< PQL		
320483721	RISG-7-10.0-20190314	3/14/2019	TO15	79-01-6	Trichloroethene	6.3	J	2.8	11	ug/m3	J	sp	< PQL		
320483721	RISG-7-10.0-20190314	3/14/2019	TO15	71-43-2	Benzene	1.7	J	1.3	6.4	ug/m3	J	sp	< PQL		
320483721	RISG-7-10.0-20190314	3/14/2019	TO15	75-71-8	Dichlorodifluoromethane	3.9	J	3.6	9.9	ug/m3	J	sp	< PQL		
320483721	RISG-7-10.0-20190314	3/14/2019	TO15	78-93-3	2-Butanone	8.6	J	2.9	12	ug/m3	J	sp	< PQL		
320483721	RISG-7-10.0-20190314	3/14/2019	TO15	75-09-2	Methylene Chloride	1.3	J	1.3	6.9	ug/m3	J	sp	< PQL		
320483721	RISG-7-10.0-20190314	3/14/2019	TO15	95-63-6	1,2,4-Trimethylbenzene	4.0	J	4.0	20	ug/m3	J	sp	< PQL		
320483721	RISG-7-5.0-20190314	3/14/2019	TO15	71-43-2	Benzene	1.6	J	1.3	6.4	ug/m3	J	sp	< PQL		
320483721	RISG-7-5.0-20190314	3/14/2019	TO15	75-71-8	Dichlorodifluoromethane	3.7	J	3.6	9.9	ug/m3	J	sp	< PQL		
320483721	RISG-7-5.0-20190314	3/14/2019	TO15	78-93-3	2-Butanone	8.5	J	2.9	12	ug/m3	J	sp	< PQL		
320483721	RISG-7-5.0-20190314	3/14/2019	TO15	95-63-6	1,2,4-Trimethylbenzene	5.6	J	4.0	20	ug/m3	J	sp	< PQL		
320483721	RISG-7-5.0-20190314	3/14/2019	TO15	79-01-6	Trichloroethene	3.5	J	2.8	11	ug/m3	J	sp	< PQL		
320483721	RISG-9-5.0-20190314	3/14/2019	TO15	75-09-2	Methylene Chloride	3.9	J	1.3	6.9	ug/m3	J	sp	< PQL		
320483721	RISG-9-5.0-20190314	3/14/2019	TO15	108-88-3	Toluene	2.4	J	0.96	7.5	ug/m3	J	sp	< PQL		
320483721	RISG-9-5.0-20190314	3/14/2019	TO15	67-64-1	Acetone	15	J	2.1	24	ug/m3	J	sp	< PQL		
320483721	RISG-9-5.0-20190314	3/14/2019	TO15	79-01-6	Trichloroethene	9.3	J	2.8	11	ug/m3	J	sp	< PQL		
320483721	RISG-9-5.0-20190314	3/14/2019	TO15	75-71-8	Dichlorodifluoromethane	3.9	J	3.6	9.9	ug/m3	J	sp	< PQL		
320483721	RISG-9-5.0-20190314	3/14/2019	TO15	127-18-4	Tetrachloroethene	12	J	1.7	14	ug/m3	J	sp	< PQL		
320483721	RISG-9-5.0-20190314	3/14/2019	TO15	95-47-6	ortho-xylene	1.8	J	1.2	8.7	ug/m3	J	sp	< PQL		
320483721	RISG-9-5.0-20190314	3/14/2019	TO15	78-93-3	2-Butanone	3.3	J	2.9	12	ug/m3	J	sp	< PQL		
320483721	RISG-9-5.0-20190314	3/14/2019	TO15	136777-61-2	m,p-xylene	3.8	J	2.2	17	ug/m3	J	sp	< PQL		
320483721	RISG-9-5.0-20190314-FD	3/14/2019	TO15	78-93-3	2-Butanone	3.8	J	2.9	12	ug/m3	J	sp	< PQL		
320483721	RISG-9-5.0-20190314-FD	3/14/2019	TO15	75-15-0	Carbon Disulfide	11	J	1.2	12	ug/m3	J	sp	< PQL		
320483721	RISG-9-5.0-20190314-FD	3/14/2019	TO15	127-18-4	Tetrachloroethene	11	J	1.7	14	ug/m3	J	sp	< PQL		
320483721	RISG-9-5.0-20190314-FD	3/14/2019	TO15	136777-61-2	m,p-xylene	2.2	J	2.2	17	ug/m3	J	sp	< PQL		
320483721	RISG-9-5.0-20190314-FD	3/14/2019	TO15	75-71-8	Dichlorodifluoromethane	4.1	J	3.6	9.9	ug/m3	J	sp	< PQL		
320483721	RISG-9-5.0-20190314-FD	3/14/2019	TO15	67-64-1	Acetone	19	J	2.1	24	ug/m3	J	sp	< PQL		
320483721	RISG-9-5.0-20190314-FD	3/14/2019	TO15	108-88-3	Toluene	1.8	J	0.96	7.5	ug/m3	J	sp	< PQL		
320483721	RISG-9-5.0-20190314-FD	3/14/2019	TO15	79-01-6	Trichloroethene	9.7	J	2.8	11	ug/m3	J	sp	< PQL		
320483721	RISG-9-5.0-20190314-FD	3/14/2019	TO15	75-09-2	Methylene Chloride	4.0	J	1.3	6.9	ug/m3	J	sp	< PQL		
320484121	RISG-27-15.0-20190315	3/15/2019	TO15	75-35-4	1,1-Dichloroethene	1.6	J	1.4	16	ug/m3	J	sp	< PQL		
320484121	RISG-27-15.0-20190315	3/15/2019	TO15	87-68-3	Hexachlorobutadiene	38	J	23	110	ug/m3	J	sp	< PQL		
320484121	RISG-27-15.0-20190315	3/15/2019	TO15	71-43-2	Benzene	3.5	J	1.3	6.4	ug/m3	J	sp	< PQL		
320484121	RISG-27-15.0-20190315	3/15/2019	TO15	78-93-3	2-Butanone	11	J	2.9	12	ug/m3	J	sp	< PQL		
320484121	RISG-27-15.0-20190315	3/15/2019	TO15	100-41-4	Ethyl Benzene	3.6	J	1.4	8.7	ug/m3	J	sp	< PQL		
320484121	RISG-27-15.0-20190315	3/15/2019	TO15	108-88-3	Toluene	3.3	J	0.96	7.5	ug/m3	J	sp	< PQL		
320484121	RISG-27-15.0-20190315	3/15/2019	TO15	75-27-4	Bromodichloromethane	5.2	J	2.2	10	ug/m3	J	sp	< PQL		
320484121	RISG-27-15.0-20190315	3/15/2019	TO15	75-15-0	Carbon Disulfide	10	J	1.2	12	ug/m3	J	sp	< PQL		
320484121	RISG-27-15.0-20190315	3/15/2019	TO15	95-47-6	ortho-xylene	5.1	J	1.2	8.7	ug/m3	J	sp	< PQL		
320484121	RISG-27-15.0-20190315	3/15/2019	TO15	75-09-2	Methylene Chloride	3.5	J	1.3	6.9	ug/m3	J	sp	< PQL		
320484121	RISG-27-15.0-20190315	3/15/2019	TO15	136777-61-2	m,p-xylene	13	J	2.2	17	ug/m3	J	sp	< PQL		
320484121	RISG-27-5.0-20190315	3/15/2019	TO15	75-09-2	Methylene Chloride	2.0	J	1.3	6.9	ug/m3	J	sp	< PQL		
320484121	RISG-27-5.0-20190315	3/15/2019	TO15	95-47-6	ortho-xylene	2.6	J	1.2	8.7	ug/m3	J	sp	< PQL		
320484121	RISG-27-5.0-20190315	3/15/2019	TO15	136777-61-2	m,p-xylene	6.1	J	2.2	17	ug/m3	J	sp	< PQL		
320484121	RISG-27-5.0-20190315	3/15/2019	TO15	78-93-3	2-Butanone	4.9	J	2.9	12	ug/m3	J	sp	< PQL		
320484121	RISG-27-5.0-20190315	3/15/2019	TO15	75-71-8	Dichlorodifluoromethane	3.8	J	3.6	9.9	ug/m3	J	sp	< PQL		
320484121	RISG-27-5.0-20190315	3/15/2019	TO15	100-41-4	Ethyl Benzene	1.8	J	1.4	8.7	ug/m3	J	sp	< PQL		
320484121	RISG-27-5.0-20190315	3/15/2019	TO15	71-43-2	Benzene	1.3	J	1.3	6.4	ug/m3	J	sp	< PQL		
320484121	RISG-27-5.0-20190315	3/15/2019	TO15	108-88-3	Toluene	4.9	J	0.96	7.5	ug/m3	J	sp	< PQL		
320484121	RISG-30-10.0-20190315	3/15/2019	TO15	75-09-2	Methylene Chloride	12	J	2.9	16	ug/m3	J	sp	< PQL		
320484121	RISG-30-10.0-20190315	3/15/2019	TO15	67-64-1	Acetone	36	J	4.9	55	ug/m3	J	sp	< PQL		
320484121	RISG-30-10.0-20190315	3/15/2019	TO15	71-43-2	Benzene	5.5	J	2.9	15	ug/m3	J	sp	< PQL		
320484121	RISG-30-10.0-20190315	3/15/2019	TO15	108-88-3	Toluene	2.3	J	2.2	17	ug/m3	J	sp	< PQL		
320484121	RISG-30-10.0-20190315	3/15/2019	TO15	75-35-4	1,1-Dichloroethene	5.0	J	3.3	36	ug/m3	J	sp	< PQL		

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SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte ¹	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator ²	Qualification Finding	Acceptance Criteria
320484121	RISG-30-5.0-20190315	3/15/2019	TO15	108-88-3	Toluene	6.7	J	0.96	7.5	ug/m3	J	sp	< PQL		
320484121	RISG-30-5.0-20190315	3/15/2019	TO15	136777-61-2	m,p-xylene	5.2	J	2.2	17	ug/m3	J	sp	< PQL		
320484121	RISG-30-5.0-20190315	3/15/2019	TO15	95-47-6	ortho-xylene	2.2	J	1.2	8.7	ug/m3	J	sp	< PQL		
320484121	RISG-30-5.0-20190315	3/15/2019	TO15	75-15-0	Carbon Disulfide	8.9	J	1.2	12	ug/m3	J	sp	< PQL		
320484121	RISG-30-5.0-20190315	3/15/2019	TO15	75-35-4	1,1-Dichloroethene	5.7	J	1.4	16	ug/m3	J	sp	< PQL		
320484121	RISG-30-5.0-20190315	3/15/2019	TO15	75-27-4	Bromodichloromethane	5.8	J	2.2	10	ug/m3	J	sp	< PQL		
320484121	RISG-30-5.0-20190315	3/15/2019	TO15	75-71-8	Dichlorodifluoromethane	3.7	J	3.6	9.9	ug/m3	J	sp	< PQL		
320484121	RISG-30-5.0-20190315	3/15/2019	TO15	56-23-5	Carbon Tetrachloride	2.2	J	2.0	25	ug/m3	J	sp	< PQL		
320484121	RISG-30-5.0-20190315	3/15/2019	TO15	107-06-2	1,2-Dichloroethane	2.1	J	1.8	16	ug/m3	J	sp	< PQL		
320484121	RISG-30-5.0-20190315	3/15/2019	TO15	108-90-7	Chlorobenzene	2.3	J	1.5	6.9	ug/m3	J	sp	< PQL		
320484121	RISG-30-5.0-20190315	3/15/2019	TO15	78-93-3	2-Butanone	7.5	J	2.9	12	ug/m3	J+	c,sp	CCV %D; < PQL	31.7	30 %
320484121	RISG-30-5.0-20190315	3/15/2019	TO15	100-41-4	Ethyl Benzene	1.4	J	1.4	8.7	ug/m3	J	sp	< PQL		
320484121	RISG-3-15.0-20190315	3/15/2019	TO15	75-15-0	Carbon Disulfide	19	J	3.0	31	ug/m3	J	sp	< PQL		
320484121	RISG-3-15.0-20190315	3/15/2019	TO15	75-34-3	1,1-Dichloroethane	4.3	J	3.6	15	ug/m3	J	sp	< PQL		
320484121	RISG-3-15.0-20190315	3/15/2019	TO15	100-41-4	Ethyl Benzene	6.9	J	3.4	22	ug/m3	J	sp	< PQL		
320484121	RISG-3-15.0-20190315	3/15/2019	TO15	67-64-1	Acetone	33	J	5.2	59	ug/m3	J	sp	< PQL		
320484121	RISG-3-15.0-20190315	3/15/2019	TO15	56-23-5	Carbon Tetrachloride	37	J	5.0	62	ug/m3	J	sp	< PQL		
320484121	RISG-3-15.0-20190315	3/15/2019	TO15	136777-61-2	m,p-xylene	32	J	5.4	43	ug/m3	J	sp	< PQL		
320484121	RISG-3-15.0-20190315	3/15/2019	TO15	95-47-6	ortho-xylene	14	J	2.9	22	ug/m3	J	sp	< PQL		
320484121	RISG-3-15.0-20190315	3/15/2019	TO15	78-93-3	2-Butanone	11	J	7.3	29	ug/m3	J+	c,sp	CCV %D; < PQL	31.7	30 %
320484121	RISG-3-5.0-20190315	3/15/2019	TO15	56-23-5	Carbon Tetrachloride	12	J	4.1	51	ug/m3	J	sp	< PQL		
320484121	RISG-3-5.0-20190315	3/15/2019	TO15	75-35-4	1,1-Dichloroethene	12	J	2.9	32	ug/m3	J	sp	< PQL		
320484121	RISG-3-5.0-20190315	3/15/2019	TO15	67-64-1	Acetone	9.8	J	4.3	48	ug/m3	J	sp	< PQL		
320486421	RISG-13-15.0-20190322	3/22/2019	TO15	75-09-2	Methylene Chloride	19	JB	16	88	ug/m3	J	bl,sp	MB contamination; < PQL	1.84	25.4 ug/m3
320486421	RISG-13-15.0-20190322	3/22/2019	TO15	127-18-4	Tetrachloroethene	23	J	22	170	ug/m3	J	sp	< PQL		
320486421	RISG-13-15.0-20190322	3/22/2019	TO15	79-01-6	Trichloroethene	36	J	36	140	ug/m3	J	sp	< PQL		
320486421	RISG-13-5.0-20190322	3/22/2019	TO15	79-01-6	Trichloroethene	14	J	12	44	ug/m3	J	sp	< PQL		
320486421	RISG-13-5.0-20190322	3/22/2019	TO15	127-18-4	Tetrachloroethene	8.9	J	7.2	56	ug/m3	J	sp	< PQL		
320486421	RISG-13-5.0-20190322	3/22/2019	TO15	75-09-2	Methylene Chloride	6.6	JB	5.2	29	ug/m3	J	bl,sp	MB contamination; < PQL	1.84	8.28 ug/m3
320486421	RISG-13-5.0-20190322	3/22/2019	TO15	56-23-5	Carbon Tetrachloride	12	J	8.3	100	ug/m3	J	sp	< PQL		
320486421	RISG-13-5.0-20190322	3/22/2019	TO15	67-64-1	Acetone	12	J	8.8	98	ug/m3	J	sp	< PQL		
320486421	RISG-13-5.0-20190322	3/22/2019	TO15	108-88-3	Toluene	4.2	J	4.0	31	ug/m3	J	sp	< PQL		
320486421	RISG-22-15.0-20190322	3/22/2019	TO15	127-18-4	Tetrachloroethene	31	J	24	190	ug/m3	J	sp	< PQL		
320486421	RISG-22-15.0-20190322	3/22/2019	TO15	75-35-4	1,1-Dichloroethene	37	JB	20	220	ug/m3	J	bl,sp	MB contamination; < PQL	1.82	25.1 ug/m3
320486421	RISG-22-15.0-20190322	3/22/2019	TO15	67-64-1	Acetone	31	J	29	330	ug/m3	J	sp	< PQL		
320486421	RISG-22-15.0-20190322	3/22/2019	TO15	56-23-5	Carbon Tetrachloride	32	J	28	350	ug/m3	J	sp	< PQL		
320486421	RISG-22-5.0-20190322	3/22/2019	TO15	75-15-0	Carbon Disulfide	10	J	6.0	61	ug/m3	J	sp	< PQL		
320486421	RISG-22-5.0-20190322	3/22/2019	TO15	127-18-4	Tetrachloroethene	14	J	8.5	67	ug/m3	J	sp	< PQL		
320486421	RISG-22-5.0-20190322	3/22/2019	TO15	75-35-4	1,1-Dichloroethene	25	JB	7.0	78	ug/m3	J	sp	< PQL		
320486421	RISG-22-5.0-20190322	3/22/2019	TO15	75-09-2	Methylene Chloride	6.4	JB	6.2	34	ug/m3	J	bl,sp	MB contamination; < PQL	1.84	9.84 ug/m3
320486421	RISG-22-5.0-20190322	3/22/2019	TO15	56-23-5	Carbon Tetrachloride	23	J	9.9	120	ug/m3	J	sp	< PQL		
320486421	RISG-6-15.0-20190322	3/22/2019	TO15	79-01-6	Trichloroethene	44	J	41	160	ug/m3	J	sp	< PQL		
320486421	RISG-6-15.0-20190322	3/22/2019	TO15	75-35-4	1,1-Dichloroethene	140	JB	21	230	ug/m3	J	sp	< PQL		
320486421	RISG-6-15.0-20190322	3/22/2019	TO15	75-34-3	1,1-Dichloroethane	22	J	21	89	ug/m3	J	sp	< PQL		
320486421	RISG-6-15.0-20190322	3/22/2019	TO15	75-09-2	Methylene Chloride	23	JB	18	100	ug/m3	J	bl,sp	MB contamination; < PQL	1.84	29.2 ug/m3
320486421	RISG-6-15.0-20190322-FD	3/22/2019	TO15	75-35-4	1,1-Dichloroethene	150	JB	22	240	ug/m3	J	sp	< PQL		
320486421	RISG-6-15.0-20190322-FD	3/22/2019	TO15	75-09-2	Methylene Chloride	23	JB	19	100	ug/m3	J	bl,sp	MB contamination; < PQL	1.84	30.2 ug/m3
320486421	RISG-6-15.0-20190322-FD	3/22/2019	TO15	75-34-3	1,1-Dichloroethane	22	J	22	92	ug/m3	J	sp	< PQL		
320486421	RISG-6-15.0-20190322-FD	3/22/2019	TO15	79-01-6	Trichloroethene	52	J	43	160	ug/m3	J	sp	< PQL		
320486421	RISG-6-5.0-20190322	3/22/2019	TO15	75-35-4	1,1-Dichloroethene	68	JB	17	190	ug/m3	J	sp	< PQL		
320486421	RISG-6-5.0-20190322	3/22/2019	TO15	108-88-3	Toluene	15	J	11	90	ug/m3	J	sp	< PQL		
320486421	RISG-6-5.0-20190322	3/22/2019	TO15	56-23-5	Carbon Tetrachloride	210	J	24	300	ug/m3	J	sp	< PQL		
320486421	RISG-6-5.0-20190322	3/22/2019	TO15	75-09-2	Methylene Chloride	16	JB	15	83	ug/m3	J	bl,sp	MB contamination; < PQL	1.84	23.8 ug/m3
320486421	RISG-8-5.0-20190321	3/21/2019	TO15	100-41-4	Ethyl Benzene	5.9	J	1.4	8.7	ug/m3	J	sp	< PQL		
320486421	RISG-8-5.0-20190321	3/21/2019	TO15	67-64-1	Acetone	10	J	2.1	24	ug/m3	J	sp	< PQL		
320486421	RISG-8-5.0-20190321	3/21/2019	TO15	75-71-8	Dichlorodifluoromethane	6.6	JB	3.6	9.9	ug/m3	J	bl,sp	MB contamination; < PQL	5.61	11.2 ug/m3

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte ¹	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator ²	Qualification Finding	Acceptance Criteria
320486421	RISG-8-5.0-20190321	3/21/2019	TO15	78-93-3	2-Butanone	9.9	J	2.9	12	ug/m3	J	sp	< PQL		
320486421	RISG-8-5.0-20190321	3/21/2019	TO15	136777-61-2	m,p-xylene	3.3	J	2.2	17	ug/m3	J	sp	< PQL		
320486421	RISG-8-5.0-20190321	3/21/2019	TO15	75-09-2	Methylene Chloride	2.0	JB	1.3	6.9	ug/m3	J	bl,sp	MB contamination; < PQL	1.84	3.68 ug/m3
320486421	RISG-8-5.0-20190321	3/21/2019	TO15	75-35-4	1,1-Dichloroethene	1.9	JB	1.4	16	ug/m3	J	bl,sp	MB contamination; < PQL	1.82	3.64 ug/m3
320486421	RISG-8-5.0-20190321	3/21/2019	TO15	75-12-0	Carbon Disulfide	15	J	1.2	12	ug/m3	J	sp	< PQL		
320486421	RISG-8-5.0-20190321	3/21/2019	TO15	71-43-2	Benzene	3.7	J	1.3	6.4	ug/m3	J	sp	< PQL		
320486421	RISG-8-5.0-20190321	3/21/2019	TO15	75-01-4	Vinyl Chloride	1.6	JB	1.5	5.1	ug/m3	J	bl,sp	MB contamination; < PQL	2.11	4.22 ug/m3
320481651	RISG-11-15.0-20190307	3/7/2019	TO15VOL	67-64-1	Acetone	38	J	12	140	ppbv	J	sp	< PQL		
320481651	RISG-11-15.0-20190307	3/7/2019	TO15VOL	127-18-4	Tetrachloroethene	14	J	3.4	27	ppbv	J	sp	< PQL		
320481651	RISG-11-5.0-20190306	3/6/2019	TO15VOL	95-47-6	ortho-xylene	6.3	J	2.1	15	ppbv	J	sp	< PQL		
320481651	RISG-11-5.0-20190306	3/6/2019	TO15VOL	75-25-2	Bromoform	3.0	J	2.7	15	ppbv	J	sp	< PQL		
320481651	RISG-11-5.0-20190306	3/6/2019	TO15VOL	95-50-1	1,2-Dichlorobenzene	6.1	J	4.9	15	ppbv	J	sp	< PQL		
320481651	RISG-11-5.0-20190306	3/6/2019	TO15VOL	108-88-3	Toluene	3.8	J	1.9	15	ppbv	J	sp	< PQL		
320481651	RISG-11-5.0-20190306	3/6/2019	TO15VOL	79-34-5	1,1,2,2-Tetrachloroethane	4.7	J	2.6	15	ppbv	J	sp	< PQL		
320481651	RISG-11-5.0-20190306	3/6/2019	TO15VOL	106-46-7	1,4-Dichlorobenzene	5.7	J	5.7	15	ppbv	J	sp	< PQL		
320481651	RISG-11-5.0-20190306	3/6/2019	TO15VOL	100-41-4	Ethyl Benzene	5.7	J	2.4	15	ppbv	J	sp	< PQL		
320481651	RISG-11-5.0-20190306	3/6/2019	TO15VOL	100-42-5	Styrene	10.4	J	2.2	15	ppbv	J	sp	< PQL		
320481651	RISG-11-5.0-20190306	3/6/2019	TO15VOL	136777-61-2	m,p-xylene	13	J	3.8	30	ppbv	J	sp	< PQL		
320481651	RISG-11-5.0-20190306	3/6/2019	TO15VOL	541-73-1	1,3-Dichlorobenzene	8.2	J	4.2	15	ppbv	J	sp	< PQL		
320481651	RISG-12-15.0-20190307	3/7/2019	TO15VOL	67-64-1	Acetone	70	J	13	150	ppbv	J	sp	< PQL		
320481651	RISG-12-15.0-20190307	3/7/2019	TO15VOL	67-66-3	Chloroform	9400		23	73	ppbv	J-	s	Surrogate %R (BFB)	68	70-130 %
320481651	RISG-12-5.0-20190307	3/7/2019	TO15VOL	541-73-1	1,3-Dichlorobenzene		U	7.3	27	ppbv	UJ	s	Surrogate %R (BFB)	69	70-130 %
320481651	RISG-12-5.0-20190307	3/7/2019	TO15VOL	67-64-1	Acetone	55	J	12	130	ppbv	J-	s,sp	Surrogate %R (BFB); < PQL	69	70-130 %
320481651	RISG-12-5.0-20190307	3/7/2019	TO15VOL	78-93-3	2-Butanone		U	13	53	ppbv	UJ	s	Surrogate %R (BFB)	69	70-130 %
320481651	RISG-12-5.0-20190307	3/7/2019	TO15VOL	95-63-6	1,2,4-Trimethylbenzene		U	11	53	ppbv	UJ	s	Surrogate %R (BFB)	69	70-130 %
320481651	RISG-12-5.0-20190307	3/7/2019	TO15VOL	71-55-6	1,1,1-Trichloroethane		U	4.3	20	ppbv	UJ	s	Surrogate %R (BFB)	69	70-130 %
320481651	RISG-12-5.0-20190307	3/7/2019	TO15VOL	75-00-3	Chloroethane		U	20	53	ppbv	UJ	s	Surrogate %R (BFB)	69	70-130 %
320481651	RISG-12-5.0-20190307	3/7/2019	TO15VOL	75-09-2	Methylene Chloride		U	4.8	27	ppbv	UJ	s	Surrogate %R (BFB)	69	70-130 %
320481651	RISG-12-5.0-20190307	3/7/2019	TO15VOL	75-35-4	1,1-Dichloroethene		U	4.8	53	ppbv	UJ	s	Surrogate %R (BFB)	69	70-130 %
320481651	RISG-12-5.0-20190307	3/7/2019	TO15VOL	75-27-4	Bromodichloromethane		U	4.4	20	ppbv	UJ	s	Surrogate %R (BFB)	69	70-130 %
320481651	RISG-12-5.0-20190307	3/7/2019	TO15VOL	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane		U	11	27	ppbv	UJ	s	Surrogate %R (BFB)	69	70-130 %
320481651	RISG-12-5.0-20190307	3/7/2019	TO15VOL	127-18-4	Tetrachloroethene	35		3.4	27	ppbv	J-	s	Surrogate %R (BFB)	69	70-130 %
320481651	RISG-12-5.0-20190307	3/7/2019	TO15VOL	591-78-6	2-Hexanone		U	5.8	27	ppbv	UJ	s	Surrogate %R (BFB)	69	70-130 %
320481651	RISG-12-5.0-20190307	3/7/2019	TO15VOL	74-83-9	Bromomethane		U	22	53	ppbv	UJ	s	Surrogate %R (BFB)	69	70-130 %
320481651	RISG-12-5.0-20190307	3/7/2019	TO15VOL	622-96-8	4-Ethyltoluene		U	12	27	ppbv	UJ	s	Surrogate %R (BFB)	69	70-130 %
320481651	RISG-12-5.0-20190307	3/7/2019	TO15VOL	75-01-4	Vinyl Chloride		U	8.0	27	ppbv	UJ	s	Surrogate %R (BFB)	69	70-130 %
320481651	RISG-12-5.0-20190307	3/7/2019	TO15VOL	75-15-0	Carbon Disulfide		U	5.2	53	ppbv	UJ	s	Surrogate %R (BFB)	69	70-130 %
320481651	RISG-12-5.0-20190307	3/7/2019	TO15VOL	56-23-5	Carbon Tetrachloride	580		4.3	53	ppbv	J-	s	Surrogate %R (BFB)	69	70-130 %
320481651	RISG-12-5.0-20190307	3/7/2019	TO15VOL	78-87-5	1,2-Dichloropropane		U	16	27	ppbv	UJ	s	Surrogate %R (BFB)	69	70-130 %
320481651	RISG-12-5.0-20190307	3/7/2019	TO15VOL	75-71-8	Dichlorodifluoromethane		U	9.6	27	ppbv	UJ	s	Surrogate %R (BFB)	69	70-130 %
320481651	RISG-12-5.0-20190307	3/7/2019	TO15VOL	124-48-1	Dibromochloromethane		U	5.3	27	ppbv	UJ	s	Surrogate %R (BFB)	69	70-130 %
320481651	RISG-12-5.0-20190307	3/7/2019	TO15VOL	100-44-7	Benzyl chloride		U	11	53	ppbv	UJ	s	Surrogate %R (BFB)	69	70-130 %
320481651	RISG-12-5.0-20190307	3/7/2019	TO15VOL	79-00-5	1,1,2-Trichloroethane		U	4.5	27	ppbv	UJ	s	Surrogate %R (BFB)	69	70-130 %
320481651	RISG-12-5.0-20190307	3/7/2019	TO15VOL	95-47-6	ortho-xylene		U	3.6	27	ppbv	UJ	s	Surrogate %R (BFB)	69	70-130 %
320481651	RISG-12-5.0-20190307	3/7/2019	TO15VOL	75-69-4	Trichlorofluoromethane	200		13	27	ppbv	J-	s	Surrogate %R (BFB)	69	70-130 %
320481651	RISG-12-5.0-20190307	3/7/2019	TO15VOL	79-01-6	Trichloroethene		U	7.0	27	ppbv	UJ	s	Surrogate %R (BFB)	69	70-130 %
320481651	RISG-12-5.0-20190307	3/7/2019	TO15VOL	75-25-2	Bromoform		U	4.7	27	ppbv	UJ	s	Surrogate %R (BFB)	69	70-130 %
320481651	RISG-12-5.0-20190307	3/7/2019	TO15VOL	136777-61-2	m,p-xylene		U	6.7	53	ppbv	UJ	s	Surrogate %R (BFB)	69	70-130 %
320481651	RISG-12-5.0-20190307	3/7/2019	TO15VOL	108-90-7	Chlorobenzene		U	4.3	20	ppbv	UJ	s	Surrogate %R (BFB)	69	70-130 %
320481651	RISG-12-5.0-20190307	3/7/2019	TO15VOL	156-60-5	trans-1,2-Dichloroethene		U	6.7	27	ppbv	UJ	s	Surrogate %R (BFB)	69	70-130 %
320481651	RISG-12-5.0-20190307	3/7/2019	TO15VOL	95-50-1	1,2-Dichlorobenzene		U	8.6	27	ppbv	UJ	s	Surrogate %R (BFB)	69	70-130 %
320481651	RISG-12-5.0-20190307	3/7/2019	TO15VOL	108-88-3	Toluene		U	3.4	27	ppbv	UJ	s	Surrogate %R (BFB)	69	70-130 %
320481651	RISG-12-5.0-20190307	3/7/2019	TO15VOL	108-10-1	4-Methyl-2-pentanone		U	9.0	27	ppbv	UJ	s	Surrogate %R (BFB)	69	70-130 %
320481651	RISG-12-5.0-20190307	3/7/2019	TO15VOL	79-34-5	1,1,2,2-Tetrachloroethane		U	4.6	27	ppbv	UJ	s	Surrogate %R (BFB)	69	70-130 %
320481651	RISG-12-5.0-20190307	3/7/2019	TO15VOL	87-68-3	Hexachlorobutadiene		U	29	130	ppbv	UJ	s	Surrogate %R (BFB)	69	70-130 %
320481651	RISG-12-5.0-20190307	3/7/2019	TO15VOL	10061-01-5	cis-1,3-Dichloropropene		U	6.9	27	ppbv	UJ	s	Surrogate %R (BFB)	69	70-130 %

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte ¹	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator ²	Qualification Finding	Acceptance Criteria
320481651	RISG-12-5.0-20190307	3/7/2019	TO15VOL	107-06-2	1,2-Dichloroethane		U	5.9	53	ppbv	UJ	s	Surrogate %R (BFB)	69	70-130 %
320481651	RISG-12-5.0-20190307	3/7/2019	TO15VOL	120-82-1	1,2,4-Trichlorobenzene		U	29	130	ppbv	UJ	s	Surrogate %R (BFB)	69	70-130 %
320481651	RISG-12-5.0-20190307	3/7/2019	TO15VOL	156-59-2	cis-1,2-Dichloroethene		U	5.9	27	ppbv	UJ	s	Surrogate %R (BFB)	69	70-130 %
320481651	RISG-12-5.0-20190307	3/7/2019	TO15VOL	71-43-2	Benzene		U	5.3	27	ppbv	UJ	s	Surrogate %R (BFB)	69	70-130 %
320481651	RISG-12-5.0-20190307	3/7/2019	TO15VOL	75-34-3	1,1-Dichloroethane		U	4.8	20	ppbv	UJ	s	Surrogate %R (BFB)	69	70-130 %
320481651	RISG-12-5.0-20190307	3/7/2019	TO15VOL	67-66-3	Chloroform	5100		6.3	20	ppbv	J-	s	Surrogate %R (BFB)	69	70-130 %
320481651	RISG-12-5.0-20190307	3/7/2019	TO15VOL	106-46-7	1,4-Dichlorobenzene		U	9.9	27	ppbv	UJ	s	Surrogate %R (BFB)	69	70-130 %
320481651	RISG-12-5.0-20190307	3/7/2019	TO15VOL	10061-02-6	trans-1,3-Dichloropropene		U	5.9	27	ppbv	UJ	s	Surrogate %R (BFB)	69	70-130 %
320481651	RISG-12-5.0-20190307	3/7/2019	TO15VOL	106-93-4	1,2-Dibromoethane		U	5.0	53	ppbv	UJ	s	Surrogate %R (BFB)	69	70-130 %
320481651	RISG-12-5.0-20190307	3/7/2019	TO15VOL	74-87-3	Chloromethane		U	13	53	ppbv	UJ	s	Surrogate %R (BFB)	69	70-130 %
320481651	RISG-12-5.0-20190307	3/7/2019	TO15VOL	76-14-2	Freon 114		U	10	27	ppbv	UJ	s	Surrogate %R (BFB)	69	70-130 %
320481651	RISG-12-5.0-20190307	3/7/2019	TO15VOL	108-67-8	1,3,5-Trimethylbenzene		U	8.3	27	ppbv	UJ	s	Surrogate %R (BFB)	69	70-130 %
320481651	RISG-12-5.0-20190307	3/7/2019	TO15VOL	100-41-4	Ethyl Benzene		U	4.2	27	ppbv	UJ	s	Surrogate %R (BFB)	69	70-130 %
320481651	RISG-12-5.0-20190307	3/7/2019	TO15VOL	100-42-5	Styrene		U	3.9	27	ppbv	UJ	s	Surrogate %R (BFB)	69	70-130 %
320481651	RISG-12-5.0-20190307	3/7/2019	TO15VOL	108-05-4	Vinyl Acetate		U	9.6	53	ppbv	UJ	s	Surrogate %R (BFB)	69	70-130 %
320481651	RISG-24-15.0-20190307	3/7/2019	TO15VOL	78-93-3	2-Butanone	1.4	J	1.0	4.0	ppbv	J	sp	< PQL		
320481651	RISG-24-15.0-20190307	3/7/2019	TO15VOL	56-23-5	Carbon Tetrachloride	3.1	J	0.32	4.0	ppbv	J	sp	< PQL		
320481651	RISG-24-15.0-20190307	3/7/2019	TO15VOL	75-09-2	Methylene Chloride	0.53	J	0.36	2.0	ppbv	J	sp	< PQL		
320481651	RISG-24-15.0-20190307	3/7/2019	TO15VOL	108-88-3	Toluene	0.45	J	0.26	2.0	ppbv	J	sp	< PQL		
320481651	RISG-24-15.0-20190307	3/7/2019	TO15VOL	136777-61-2	m,p-xylene	0.55	J	0.50	4.0	ppbv	J	sp	< PQL		
320481651	RISG-24-5.0-20190307	3/7/2019	TO15VOL	56-23-5	Carbon Tetrachloride	1.3	J	0.32	4.0	ppbv	J	sp	< PQL		
320481651	RISG-24-5.0-20190307	3/7/2019	TO15VOL	75-09-2	Methylene Chloride	0.39	J	0.36	2.0	ppbv	J	sp	< PQL		
320481651	RISG-24-5.0-20190307	3/7/2019	TO15VOL	541-73-1	1,3-Dichlorobenzene	1.6	J	0.55	2.0	ppbv	J	sp	< PQL		
320481651	RISG-26-15.0-20190307	3/7/2019	TO15VOL	67-64-1	Acetone	73	J	10	120	ppbv	J	sp	< PQL		
320481651	RISG-26-15.0-20190307	3/7/2019	TO15VOL	127-18-4	Tetrachloroethene	8.9	J	3.0	23	ppbv	J	sp	< PQL		
320481651	RISG-26-15.0-20190307_FD	3/7/2019	TO15VOL	67-64-1	Acetone	41	J	10	120	ppbv	J	sp	< PQL		
320481651	RISG-26-15.0-20190307_FD	3/7/2019	TO15VOL	127-18-4	Tetrachloroethene	9.1	J	3.0	23	ppbv	J	sp	< PQL		
320481651	RISG-26-15.0-20190307_FD	3/7/2019	TO15VOL	75-15-0	Carbon Disulfide	10	J	4.5	46	ppbv	J	sp	< PQL		
320481651	RISG-26-15.0-20190307_FD	3/7/2019	TO15VOL	95-50-1	1,2-Dichlorobenzene	9.5	J	7.5	23	ppbv	J	sp	< PQL		
320481651	RISG-26-5.0-20190307	3/7/2019	TO15VOL	75-15-0	Carbon Disulfide	3.7	J	1.7	17	ppbv	J	sp	< PQL		
320481651	RISG-26-5.0-20190307	3/7/2019	TO15VOL	127-18-4	Tetrachloroethene	4.1	J	1.1	8.5	ppbv	J	sp	< PQL		
320481651	RISG-26-5.0-20190307	3/7/2019	TO15VOL	67-64-1	Acetone	24	J	3.8	43	ppbv	J	sp	< PQL		
320481651	RISG-26-5.0-20190307	3/7/2019	TO15VOL	108-90-7	Chlorobenzene	2.8	J	1.4	6.4	ppbv	J	sp	< PQL		
320482231	RISG-10-15.0-20190308	3/8/2019	TO15VOL	75-69-4	Trichlorofluoromethane	1700	J	970	2000	ppbv	J	sp	< PQL		
320482231	RISG-10-15.0-20190308	3/8/2019	TO15VOL	75-34-3	1,1-Dichloroethane	400	J	360	1500	ppbv	J	sp	< PQL		
320482231	RISG-10-5.0-20190308	3/8/2019	TO15VOL	75-69-4	Trichlorofluoromethane	200	J	110	220	ppbv	J	sp	< PQL		
320482231	RISG-23-15.0-20190308	3/8/2019	TO15VOL	591-78-6	2-Hexanone		U	2.2	10	ppbv	UJ	s	Surrogate %R (BFB)	64	70-130 %
320482231	RISG-23-15.0-20190308	3/8/2019	TO15VOL	67-64-1	Acetone	22	J	4.6	52	ppbv	J-	s,sp	Surrogate %R (BFB); < PQL	64	70-130 %
320482231	RISG-23-15.0-20190308	3/8/2019	TO15VOL	75-71-8	Dichlorodifluoromethane		U	3.7	10	ppbv	UJ	s	Surrogate %R (BFB)	64	70-130 %
320482231	RISG-23-15.0-20190308	3/8/2019	TO15VOL	78-93-3	2-Butanone		U	5.1	21	ppbv	UJ	s	Surrogate %R (BFB)	64	70-130 %
320482231	RISG-23-15.0-20190308	3/8/2019	TO15VOL	136777-61-2	m,p-xylene		U	2.6	21	ppbv	UJ	s	Surrogate %R (BFB)	64	70-130 %
320482231	RISG-23-15.0-20190308	3/8/2019	TO15VOL	71-55-6	1,1,1-Trichloroethane		U	1.7	7.8	ppbv	UJ	s	Surrogate %R (BFB)	64	70-130 %
320482231	RISG-23-15.0-20190308	3/8/2019	TO15VOL	75-00-3	Chloroethane		U	8.0	21	ppbv	UJ	s	Surrogate %R (BFB)	64	70-130 %
320482231	RISG-23-15.0-20190308	3/8/2019	TO15VOL	75-27-4	Bromodichloromethane		U	1.7	7.8	ppbv	UJ	s	Surrogate %R (BFB)	64	70-130 %
320482231	RISG-23-15.0-20190308	3/8/2019	TO15VOL	75-09-2	Methylene Chloride		U	1.9	10	ppbv	UJ	s	Surrogate %R (BFB)	64	70-130 %
320482231	RISG-23-15.0-20190308	3/8/2019	TO15VOL	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane		U	4.2	10	ppbv	UJ	s	Surrogate %R (BFB)	64	70-130 %
320482231	RISG-23-15.0-20190308	3/8/2019	TO15VOL	75-35-4	1,1-Dichloroethene		U	1.9	21	ppbv	UJ	s	Surrogate %R (BFB)	64	70-130 %
320482231	RISG-23-15.0-20190308	3/8/2019	TO15VOL	56-23-5	Carbon Tetrachloride	3.0	J	1.7	21	ppbv	J-	s,sp	Surrogate %R (BFB); < PQL	64	70-130 %
320482231	RISG-23-15.0-20190308	3/8/2019	TO15VOL	541-73-1	1,3-Dichlorobenzene	5.7	J	2.8	10	ppbv	J-	s,sp	Surrogate %R (BFB); < PQL	64	70-130 %
320482231	RISG-23-15.0-20190308	3/8/2019	TO15VOL	75-01-4	Vinyl Chloride		U	3.1	10	ppbv	UJ	s	Surrogate %R (BFB)	64	70-130 %
320482231	RISG-23-15.0-20190308	3/8/2019	TO15VOL	622-96-8	4-Ethyltoluene		U	4.8	10	ppbv	UJ	s	Surrogate %R (BFB)	64	70-130 %
320482231	RISG-23-15.0-20190308	3/8/2019	TO15VOL	75-15-0	Carbon Disulfide		U	2.0	21	ppbv	UJ	s	Surrogate %R (BFB)	64	70-130 %
320482231	RISG-23-15.0-20190308	3/8/2019	TO15VOL	108-67-8	1,3,5-Trimethylbenzene		U	3.2	10	ppbv	UJ	s	Surrogate %R (BFB)	64	70-130 %
320482231	RISG-23-15.0-20190308	3/8/2019	TO15VOL	78-87-5	1,2-Dichloropropane		U	6.2	10	ppbv	UJ	s	Surrogate %R (BFB)	64	70-130 %
320482231	RISG-23-15.0-20190308	3/8/2019	TO15VOL	75-69-4	Trichlorofluoromethane		U	5.1	10	ppbv	UJ	s	Surrogate %R (BFB)	64	70-130 %
320482231	RISG-23-15.0-20190308	3/8/2019	TO15VOL	95-63-6	1,2,4-Trimethylbenzene		U	4.2	21	ppbv	UJ	s	Surrogate %R (BFB)	64	70-130 %

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte ¹	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator ²	Qualification Finding	Acceptance Criteria
320482231	RISG-23-15.0-20190308	3/8/2019	TO15VOL	124-48-1	Dibromochloromethane		U	2.0	10	ppbv	UJ	s	Surrogate %R (BFB)	64	70-130 %
320482231	RISG-23-15.0-20190308	3/8/2019	TO15VOL	100-44-7	Benzyl chloride		U	4.2	21	ppbv	UJ	s	Surrogate %R (BFB)	64	70-130 %
320482231	RISG-23-15.0-20190308	3/8/2019	TO15VOL	95-47-6	ortho-xylene		U	1.4	10	ppbv	UJ	s	Surrogate %R (BFB)	64	70-130 %
320482231	RISG-23-15.0-20190308	3/8/2019	TO15VOL	79-00-5	1,1,2-Trichloroethane		U	1.7	10	ppbv	UJ	s	Surrogate %R (BFB)	64	70-130 %
320482231	RISG-23-15.0-20190308	3/8/2019	TO15VOL	127-18-4	Tetrachloroethane	2.2	J	1.3	10	ppbv	J-	s,sp	Surrogate %R (BFB); < PQL	64	70-130 %
320482231	RISG-23-15.0-20190308	3/8/2019	TO15VOL	107-06-2	1,2-Dichloroethane		U	2.3	21	ppbv	UJ	s	Surrogate %R (BFB)	64	70-130 %
320482231	RISG-23-15.0-20190308	3/8/2019	TO15VOL	156-60-5	trans-1,2-Dichloroethene		U	2.6	10	ppbv	UJ	s	Surrogate %R (BFB)	64	70-130 %
320482231	RISG-23-15.0-20190308	3/8/2019	TO15VOL	108-90-7	Chlorobenzene		U	1.7	7.8	ppbv	UJ	s	Surrogate %R (BFB)	64	70-130 %
320482231	RISG-23-15.0-20190308	3/8/2019	TO15VOL	75-25-2	Bromoform		U	1.8	10	ppbv	UJ	s	Surrogate %R (BFB)	64	70-130 %
320482231	RISG-23-15.0-20190308	3/8/2019	TO15VOL	79-01-6	Trichloroethene	7.0	J	2.7	10	ppbv	J-	s,sp	Surrogate %R (BFB); < PQL	64	70-130 %
320482231	RISG-23-15.0-20190308	3/8/2019	TO15VOL	95-50-1	1,2-Dichlorobenzene		U	3.4	10	ppbv	UJ	s	Surrogate %R (BFB)	64	70-130 %
320482231	RISG-23-15.0-20190308	3/8/2019	TO15VOL	108-88-3	Toluene		U	1.3	10	ppbv	UJ	s	Surrogate %R (BFB)	64	70-130 %
320482231	RISG-23-15.0-20190308	3/8/2019	TO15VOL	108-10-1	4-Methyl-2-pentanone		U	3.5	10	ppbv	UJ	s	Surrogate %R (BFB)	64	70-130 %
320482231	RISG-23-15.0-20190308	3/8/2019	TO15VOL	79-34-5	1,1,2,2-Tetrachloroethane		U	1.8	10	ppbv	UJ	s	Surrogate %R (BFB)	64	70-130 %
320482231	RISG-23-15.0-20190308	3/8/2019	TO15VOL	74-83-9	Bromomethane		U	8.7	21	ppbv	UJ	s	Surrogate %R (BFB)	64	70-130 %
320482231	RISG-23-15.0-20190308	3/8/2019	TO15VOL	10061-01-5	cis-1,3-Dichloropropene		U	2.7	10	ppbv	UJ	s	Surrogate %R (BFB)	64	70-130 %
320482231	RISG-23-15.0-20190308	3/8/2019	TO15VOL	108-05-4	Vinyl Acetate		U	3.7	21	ppbv	UJ	s	Surrogate %R (BFB)	64	70-130 %
320482231	RISG-23-15.0-20190308	3/8/2019	TO15VOL	106-93-4	1,2-Dibromoethane		U	1.9	21	ppbv	UJ	s	Surrogate %R (BFB)	64	70-130 %
320482231	RISG-23-15.0-20190308	3/8/2019	TO15VOL	100-41-4	Ethyl Benzene		U	1.6	10	ppbv	UJ	s	Surrogate %R (BFB)	64	70-130 %
320482231	RISG-23-15.0-20190308	3/8/2019	TO15VOL	100-42-5	Styrene		U	1.5	10	ppbv	UJ	s	Surrogate %R (BFB)	64	70-130 %
320482231	RISG-23-15.0-20190308	3/8/2019	TO15VOL	87-68-3	Hexachlorobutadiene		U	11	52	ppbv	UJ	s	Surrogate %R (BFB)	64	70-130 %
320482231	RISG-23-15.0-20190308	3/8/2019	TO15VOL	74-87-3	Chloromethane		U	5.1	21	ppbv	UJ	s	Surrogate %R (BFB)	64	70-130 %
320482231	RISG-23-15.0-20190308	3/8/2019	TO15VOL	120-82-1	1,2,4-Trichlorobenzene		U	11	52	ppbv	UJ	s	Surrogate %R (BFB)	64	70-130 %
320482231	RISG-23-15.0-20190308	3/8/2019	TO15VOL	10061-02-6	trans-1,3-Dichloropropene		U	2.3	10	ppbv	UJ	s	Surrogate %R (BFB)	64	70-130 %
320482231	RISG-23-15.0-20190308	3/8/2019	TO15VOL	106-46-7	1,4-Dichlorobenzene		U	3.9	10	ppbv	UJ	s	Surrogate %R (BFB)	64	70-130 %
320482231	RISG-23-15.0-20190308	3/8/2019	TO15VOL	67-66-3	Chloroform	760		2.5	7.8	ppbv	J-	s	Surrogate %R (BFB)	64	70-130 %
320482231	RISG-23-15.0-20190308	3/8/2019	TO15VOL	71-43-2	Benzene		U	2.0	10	ppbv	UJ	s	Surrogate %R (BFB)	64	70-130 %
320482231	RISG-23-15.0-20190308	3/8/2019	TO15VOL	75-34-3	1,1-Dichloroethane		U	1.9	7.8	ppbv	UJ	s	Surrogate %R (BFB)	64	70-130 %
320482231	RISG-23-15.0-20190308	3/8/2019	TO15VOL	156-59-2	cis-1,2-Dichloroethene		U	2.3	10	ppbv	UJ	s	Surrogate %R (BFB)	64	70-130 %
320482231	RISG-23-15.0-20190308	3/8/2019	TO15VOL	76-14-2	Freon 114		U	4.0	10	ppbv	UJ	s	Surrogate %R (BFB)	64	70-130 %
320482231	RISG-23-5.0-20190308	3/8/2019	TO15VOL	75-15-0	Carbon Disulfide	3.2	J	0.39	4.0	ppbv	J	sp	< PQL		
320482231	RISG-23-5.0-20190308	3/8/2019	TO15VOL	75-71-8	Dichlorodifluoromethane	0.77	J	0.73	2.0	ppbv	J	sp	< PQL		
320482231	RISG-23-5.0-20190308	3/8/2019	TO15VOL	56-23-5	Carbon Tetrachloride	0.39	J	0.32	4.0	ppbv	J	sp	< PQL		
320482231	RISG-25-15.0-20190308	3/8/2019	TO15VOL	108-88-3	Toluene	0.35	J	0.26	2.0	ppbv	J	sp	< PQL		
320482231	RISG-25-15.0-20190308	3/8/2019	TO15VOL	75-15-0	Carbon Disulfide	1.2	J	0.39	4.0	ppbv	J	sp	< PQL		
320482231	RISG-25-15.0-20190308	3/8/2019	TO15VOL	75-71-8	Dichlorodifluoromethane	0.77	J	0.73	2.0	ppbv	J	sp	< PQL		
320482231	RISG-25-15.0-20190308	3/8/2019	TO15VOL	67-64-1	Acetone	7.3	J	0.89	10	ppbv	J	sp	< PQL		
320482231	RISG-25-5.0-20190308	3/8/2019	TO15VOL	75-15-0	Carbon Disulfide	1.6	J	0.39	4.0	ppbv	J	sp	< PQL		
320482231	RISG-25-5.0-20190308	3/8/2019	TO15VOL	78-93-3	2-Butanone	1.2	J	1.0	4.0	ppbv	J	sp	< PQL		
320482231	RISG-25-5.0-20190308	3/8/2019	TO15VOL	75-71-8	Dichlorodifluoromethane	0.93	J	0.73	2.0	ppbv	J	sp	< PQL		
320482231	RISG-25-5.0-20190308	3/8/2019	TO15VOL	56-23-5	Carbon Tetrachloride	1.4	J	0.32	4.0	ppbv	J	sp	< PQL		
320482231	RISG-25-5.0-20190308	3/8/2019	TO15VOL	107-06-2	1,2-Dichloroethane	1.8	J	0.44	4.0	ppbv	J	sp	< PQL		
320482231	RISG-25-5.0-20190308	3/8/2019	TO15VOL	79-01-6	Trichloroethene	1.1	J	0.53	2.0	ppbv	J	sp	< PQL		
320482231	RISG-28-15.0-20190308	3/8/2019	TO15VOL	108-88-3	Toluene	0.70	J	0.26	2.0	ppbv	J	sp	< PQL		
320482231	RISG-28-15.0-20190308	3/8/2019	TO15VOL	75-09-2	Methylene Chloride	0.74	J	0.36	2.0	ppbv	J	sp	< PQL		
320482231	RISG-28-15.0-20190308	3/8/2019	TO15VOL	136777-61-2	m,p-xylene	0.68	J	0.50	4.0	ppbv	J	sp	< PQL		
320482231	RISG-28-15.0-20190308	3/8/2019	TO15VOL	71-43-2	Benzene	0.66	J	0.40	2.0	ppbv	J	sp	< PQL		
320482231	RISG-28-15.0-20190308	3/8/2019	TO15VOL	95-47-6	ortho-xylene	0.33	J	0.27	2.0	ppbv	J	sp	< PQL		
320482231	RISG-28-15.0-20190308	3/8/2019	TO15VOL	75-71-8	Dichlorodifluoromethane	0.75	J	0.73	2.0	ppbv	J	sp	< PQL		
320482231	RISG-28-5.0-20190308	3/8/2019	TO15VOL	67-64-1	Acetone	9.0	J	0.89	10	ppbv	J	sp	< PQL		
320482231	RISG-28-5.0-20190308	3/8/2019	TO15VOL	108-88-3	Toluene	0.90	J	0.26	2.0	ppbv	J	sp	< PQL		
320482231	RISG-28-5.0-20190308	3/8/2019	TO15VOL	108-90-7	Chlorobenzene	0.49	J	0.32	1.5	ppbv	J	sp	< PQL		
320482231	RISG-28-5.0-20190308	3/8/2019	TO15VOL	71-43-2	Benzene	0.49	J	0.40	2.0	ppbv	J	sp	< PQL		
320482231	RISG-28-5.0-20190308	3/8/2019	TO15VOL	100-41-4	Ethyl Benzene	0.44	J	0.32	2.0	ppbv	J	sp	< PQL		
320482231	RISG-28-5.0-20190308	3/8/2019	TO15VOL	75-71-8	Dichlorodifluoromethane	0.82	J	0.73	2.0	ppbv	J	sp	< PQL		
320482231	RISG-28-5.0-20190308	3/8/2019	TO15VOL	78-93-3	2-Butanone	2.1	J	1.0	4.0	ppbv	J	sp	< PQL		

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte ¹	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator ²	Qualification Finding	Acceptance Criteria
320482231	RISG-28-5.0-20190308	3/8/2019	TO15VOL	136777-61-2	m,p-xylene	1.5	J	0.50	4.0	ppbv	J	sp	< PQL		
320482231	RISG-28-5.0-20190308	3/8/2019	TO15VOL	75-09-2	Methylene Chloride	0.37	J	0.36	2.0	ppbv	J	sp	< PQL		
320482231	RISG-28-5.0-20190308	3/8/2019	TO15VOL	95-47-6	ortho-xylene	0.66	J	0.27	2.0	ppbv	J	sp	< PQL		
320482231	RISG-28-5.0-20190308	3/8/2019	TO15VOL	541-73-1	1,3-Dichlorobenzene	1.0	J	0.55	2.0	ppbv	J	sp	< PQL		
320482481	RISG-1-15.0-20190311	3/11/2019	TO15VOL	95-47-6	ortho-xylene	2.0	J	1.3	9.4	ppbv	J	sp	< PQL		
320482481	RISG-1-15.0-20190311	3/11/2019	TO15VOL	75-35-4	1,1-Dichloroethene	4.8	J	1.7	19	ppbv	J	sp	< PQL		
320482481	RISG-1-15.0-20190311	3/11/2019	TO15VOL	136777-61-2	m,p-xylene	4.2	JB	2.4	19	ppbv	J	bl,sp	MB contamination; < PQL	0.619	5.8186 ppbv
320482481	RISG-1-15.0-20190311	3/11/2019	TO15VOL	67-64-1	Acetone	15	J	4.2	47	ppbv	J	sp	< PQL		
320482481	RISG-1-15.0-20190311	3/11/2019	TO15VOL	108-88-3	Toluene	38.0	J	1.2	9.4	ppbv	J	sp	< PQL		
320482481	RISG-1-15.0-20190311	3/11/2019	TO15VOL	56-23-5	Carbon Tetrachloride	15	J	1.5	19	ppbv	J	sp	< PQL		
320482481	RISG-1-15.0-20190311	3/11/2019	TO15VOL	71-43-2	Benzene	2.5	J	1.9	9.4	ppbv	J	sp	< PQL		
320482481	RISG-14-15.0-20190311	3/11/2019	TO15VOL	76-14-2	Freon 114		U	38	97	ppbv	UJ	s	Surrogate %R (BFB)	62	70-130 %
320482481	RISG-14-15.0-20190311	3/11/2019	TO15VOL	120-82-1	1,2,4-Trichlorobenzene		U	110	480	ppbv	UJ	s	Surrogate %R (BFB)	62	70-130 %
320482481	RISG-14-15.0-20190311	3/11/2019	TO15VOL	71-43-2	Benzene		U	19	97	ppbv	UJ	s	Surrogate %R (BFB)	62	70-130 %
320482481	RISG-14-15.0-20190311	3/11/2019	TO15VOL	106-46-7	1,4-Dichlorobenzene		U	36	97	ppbv	UJ	s	Surrogate %R (BFB)	62	70-130 %
320482481	RISG-14-15.0-20190311	3/11/2019	TO15VOL	10061-02-6	trans-1,3-Dichloropropene		U	21	97	ppbv	UJ	s	Surrogate %R (BFB)	62	70-130 %
320482481	RISG-14-15.0-20190311	3/11/2019	TO15VOL	106-93-4	1,2-Dibromoethane		U	18	190	ppbv	UJ	s	Surrogate %R (BFB)	62	70-130 %
320482481	RISG-14-15.0-20190311	3/11/2019	TO15VOL	108-05-4	Vinyl Acetate		U	35	190	ppbv	UJ	s	Surrogate %R (BFB)	62	70-130 %
320482481	RISG-14-15.0-20190311	3/11/2019	TO15VOL	74-87-3	Chloromethane		U	48	190	ppbv	UJ	s	Surrogate %R (BFB)	62	70-130 %
320482481	RISG-14-15.0-20190311	3/11/2019	TO15VOL	87-68-3	Hexachlorobutadiene		U	100	480	ppbv	UJ	s	Surrogate %R (BFB)	62	70-130 %
320482481	RISG-14-15.0-20190311	3/11/2019	TO15VOL	100-42-5	Styrene		U	14	97	ppbv	UJ	s	Surrogate %R (BFB)	62	70-130 %
320482481	RISG-14-15.0-20190311	3/11/2019	TO15VOL	100-41-4	Ethyl Benzene		U	15	97	ppbv	UJ	s	Surrogate %R (BFB)	62	70-130 %
320482481	RISG-14-15.0-20190311	3/11/2019	TO15VOL	67-66-3	Chloroform	11000		23	73	ppbv	J-	s	Surrogate %R (BFB)	62	70-130 %
320482481	RISG-14-15.0-20190311	3/11/2019	TO15VOL	156-60-5	trans-1,2-Dichloroethene		U	24	97	ppbv	UJ	s	Surrogate %R (BFB)	62	70-130 %
320482481	RISG-14-15.0-20190311	3/11/2019	TO15VOL	10061-01-5	cis-1,3-Dichloropropene		U	25	97	ppbv	UJ	s	Surrogate %R (BFB)	62	70-130 %
320482481	RISG-14-15.0-20190311	3/11/2019	TO15VOL	75-34-3	1,1-Dichloroethane		U	17	73	ppbv	UJ	s	Surrogate %R (BFB)	62	70-130 %
320482481	RISG-14-15.0-20190311	3/11/2019	TO15VOL	79-34-5	1,1,2,2-Tetrachloroethane		U	17	97	ppbv	UJ	s	Surrogate %R (BFB)	62	70-130 %
320482481	RISG-14-15.0-20190311	3/11/2019	TO15VOL	108-88-3	Toluene		U	12	97	ppbv	UJ	s	Surrogate %R (BFB)	62	70-130 %
320482481	RISG-14-15.0-20190311	3/11/2019	TO15VOL	108-10-1	4-Methyl-2-pentanone		U	33	97	ppbv	UJ	s	Surrogate %R (BFB)	62	70-130 %
320482481	RISG-14-15.0-20190311	3/11/2019	TO15VOL	95-50-1	1,2-Dichlorobenzene		U	31	97	ppbv	UJ	s	Surrogate %R (BFB)	62	70-130 %
320482481	RISG-14-15.0-20190311	3/11/2019	TO15VOL	79-01-6	Trichloroethene		U	25	97	ppbv	UJ	s	Surrogate %R (BFB)	62	70-130 %
320482481	RISG-14-15.0-20190311	3/11/2019	TO15VOL	108-90-7	Chlorobenzene		U	15	73	ppbv	UJ	s	Surrogate %R (BFB)	62	70-130 %
320482481	RISG-14-15.0-20190311	3/11/2019	TO15VOL	108-67-8	1,3,5-Trimethylbenzene		U	30	97	ppbv	UJ	s	Surrogate %R (BFB)	62	70-130 %
320482481	RISG-14-15.0-20190311	3/11/2019	TO15VOL	75-25-2	Bromoform		U	17	97	ppbv	UJ	s	Surrogate %R (BFB)	62	70-130 %
320482481	RISG-14-15.0-20190311	3/11/2019	TO15VOL	107-06-2	1,2-Dichloroethane		U	21	190	ppbv	UJ	s	Surrogate %R (BFB)	62	70-130 %
320482481	RISG-14-15.0-20190311	3/11/2019	TO15VOL	100-44-7	Benzyl chloride		U	39	190	ppbv	UJ	s	Surrogate %R (BFB)	62	70-130 %
320482481	RISG-14-15.0-20190311	3/11/2019	TO15VOL	79-00-5	1,1,2-Trichloroethane		U	16	97	ppbv	UJ	s	Surrogate %R (BFB)	62	70-130 %
320482481	RISG-14-15.0-20190311	3/11/2019	TO15VOL	156-59-2	cis-1,2-Dichloroethene		U	22	97	ppbv	UJ	s	Surrogate %R (BFB)	62	70-130 %
320482481	RISG-14-15.0-20190311	3/11/2019	TO15VOL	95-47-6	ortho-xylene		U	13	97	ppbv	UJ	s	Surrogate %R (BFB)	62	70-130 %
320482481	RISG-14-15.0-20190311	3/11/2019	TO15VOL	67-64-1	Acetone	110	J	43	480	ppbv	J-	s,sp	Surrogate %R (BFB); < PQL	62	70-130 %
320482481	RISG-14-15.0-20190311	3/11/2019	TO15VOL	124-48-1	Dibromochloromethane		U	19	97	ppbv	UJ	s	Surrogate %R (BFB)	62	70-130 %
320482481	RISG-14-15.0-20190311	3/11/2019	TO15VOL	75-01-4	Vinyl Chloride		U	29	97	ppbv	UJ	s	Surrogate %R (BFB)	62	70-130 %
320482481	RISG-14-15.0-20190311	3/11/2019	TO15VOL	75-15-0	Carbon Disulfide		U	19	190	ppbv	UJ	s	Surrogate %R (BFB)	62	70-130 %
320482481	RISG-14-15.0-20190311	3/11/2019	TO15VOL	74-83-9	Bromomethane		U	81	190	ppbv	UJ	s	Surrogate %R (BFB)	62	70-130 %
320482481	RISG-14-15.0-20190311	3/11/2019	TO15VOL	622-96-8	4-Ethyltoluene		U	45	97	ppbv	UJ	s	Surrogate %R (BFB)	62	70-130 %
320482481	RISG-14-15.0-20190311	3/11/2019	TO15VOL	591-78-6	2-Hexanone		U	21	97	ppbv	UJ	s	Surrogate %R (BFB)	62	70-130 %
320482481	RISG-14-15.0-20190311	3/11/2019	TO15VOL	541-73-1	1,3-Dichlorobenzene		U	27	97	ppbv	UJ	s	Surrogate %R (BFB)	62	70-130 %
320482481	RISG-14-15.0-20190311	3/11/2019	TO15VOL	127-18-4	Tetrachloroethene	42	J	12	97	ppbv	J-	s,sp	Surrogate %R (BFB); < PQL	62	70-130 %
320482481	RISG-14-15.0-20190311	3/11/2019	TO15VOL	95-63-6	1,2,4-Trimethylbenzene		U	39	190	ppbv	UJ	s	Surrogate %R (BFB)	62	70-130 %
320482481	RISG-14-15.0-20190311	3/11/2019	TO15VOL	136777-61-2	m,p-xylene		U	24	190	ppbv	UJ	s	Surrogate %R (BFB)	62	70-130 %
320482481	RISG-14-15.0-20190311	3/11/2019	TO15VOL	75-69-4	Trichlorofluoromethane		U	47	97	ppbv	UJ	s	Surrogate %R (BFB)	62	70-130 %
320482481	RISG-14-15.0-20190311	3/11/2019	TO15VOL	56-23-5	Carbon Tetrachloride		U	15	190	ppbv	UJ	s	Surrogate %R (BFB)	62	70-130 %
320482481	RISG-14-15.0-20190311	3/11/2019	TO15VOL	78-93-3	2-Butanone		U	48	190	ppbv	UJ	s	Surrogate %R (BFB)	62	70-130 %
320482481	RISG-14-15.0-20190311	3/11/2019	TO15VOL	75-00-3	Chloroethane		U	75	190	ppbv	UJ	s	Surrogate %R (BFB)	62	70-130 %
320482481	RISG-14-15.0-20190311	3/11/2019	TO15VOL	71-55-6	1,1,1-Trichloroethane		U	16	73	ppbv	UJ	s	Surrogate %R (BFB)	62	70-130 %
320482481	RISG-14-15.0-20190311	3/11/2019	TO15VOL	75-09-2	Methylene Chloride		U	17	97	ppbv	UJ	s	Surrogate %R (BFB)	62	70-130 %

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte ¹	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator ²	Qualification Finding	Acceptance Criteria
320482481	RISG-14-15.0-20190311	3/11/2019	TO15VOL	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane		U	39	97	ppbv	UJ	s	Surrogate %R (BFB)	62	70-130 %
320482481	RISG-14-15.0-20190311	3/11/2019	TO15VOL	75-35-4	1,1-Dichloroethene		U	17	190	ppbv	UJ	s	Surrogate %R (BFB)	62	70-130 %
320482481	RISG-14-15.0-20190311	3/11/2019	TO15VOL	75-27-4	Bromodichloromethane		U	16	73	ppbv	UJ	s	Surrogate %R (BFB)	62	70-130 %
320482481	RISG-14-15.0-20190311	3/11/2019	TO15VOL	78-87-5	1,2-Dichloropropane		U	58	97	ppbv	UJ	s	Surrogate %R (BFB)	62	70-130 %
320482481	RISG-14-15.0-20190311	3/11/2019	TO15VOL	75-71-8	Dichlorodifluoromethane		U	35	97	ppbv	UJ	s	Surrogate %R (BFB)	62	70-130 %
320482481	RISG-14-15.0-20190311-FD	3/11/2019	TO15VOL	136777-61-2	m,p-xylene		U	22	180	ppbv	UJ	s	Surrogate %R (BFB)	59	70-130 %
320482481	RISG-14-15.0-20190311-FD	3/11/2019	TO15VOL	75-35-4	1,1-Dichloroethene		U	16	180	ppbv	UJ	s	Surrogate %R (BFB)	59	70-130 %
320482481	RISG-14-15.0-20190311-FD	3/11/2019	TO15VOL	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane		U	36	88	ppbv	UJ	s	Surrogate %R (BFB)	59	70-130 %
320482481	RISG-14-15.0-20190311-FD	3/11/2019	TO15VOL	75-27-4	Bromodichloromethane		U	15	66	ppbv	UJ	s	Surrogate %R (BFB)	59	70-130 %
320482481	RISG-14-15.0-20190311-FD	3/11/2019	TO15VOL	71-55-6	1,1,1-Trichloroethane		U	14	66	ppbv	UJ	s	Surrogate %R (BFB)	59	70-130 %
320482481	RISG-14-15.0-20190311-FD	3/11/2019	TO15VOL	75-00-3	Chloroethane		U	68	180	ppbv	UJ	s	Surrogate %R (BFB)	59	70-130 %
320482481	RISG-14-15.0-20190311-FD	3/11/2019	TO15VOL	79-00-5	1,1,2-Trichloroethane		U	15	88	ppbv	UJ	s	Surrogate %R (BFB)	59	70-130 %
320482481	RISG-14-15.0-20190311-FD	3/11/2019	TO15VOL	127-18-4	Tetrachloroethane	41	J	11	88	ppbv	J-	s,sp	Surrogate %R (BFB); < PQL	59	70-130 %
320482481	RISG-14-15.0-20190311-FD	3/11/2019	TO15VOL	75-69-4	Trichlorofluoromethane		U	43	88	ppbv	UJ	s	Surrogate %R (BFB)	59	70-130 %
320482481	RISG-14-15.0-20190311-FD	3/11/2019	TO15VOL	75-71-8	Dichlorodifluoromethane		U	32	88	ppbv	UJ	s	Surrogate %R (BFB)	59	70-130 %
320482481	RISG-14-15.0-20190311-FD	3/11/2019	TO15VOL	75-09-2	Methylene Chloride		U	16	88	ppbv	UJ	s	Surrogate %R (BFB)	59	70-130 %
320482481	RISG-14-15.0-20190311-FD	3/11/2019	TO15VOL	541-73-1	1,3-Dichlorobenzene		U	24	88	ppbv	UJ	s	Surrogate %R (BFB)	59	70-130 %
320482481	RISG-14-15.0-20190311-FD	3/11/2019	TO15VOL	591-78-6	2-Hexanone		U	19	88	ppbv	UJ	s	Surrogate %R (BFB)	59	70-130 %
320482481	RISG-14-15.0-20190311-FD	3/11/2019	TO15VOL	622-96-8	4-Ethyltoluene		U	41	88	ppbv	UJ	s	Surrogate %R (BFB)	59	70-130 %
320482481	RISG-14-15.0-20190311-FD	3/11/2019	TO15VOL	74-83-9	Bromomethane		U	74	180	ppbv	UJ	s	Surrogate %R (BFB)	59	70-130 %
320482481	RISG-14-15.0-20190311-FD	3/11/2019	TO15VOL	95-47-6	ortho-xylene		U	12	88	ppbv	UJ	s	Surrogate %R (BFB)	59	70-130 %
320482481	RISG-14-15.0-20190311-FD	3/11/2019	TO15VOL	75-01-4	Vinyl Chloride		U	26	88	ppbv	UJ	s	Surrogate %R (BFB)	59	70-130 %
320482481	RISG-14-15.0-20190311-FD	3/11/2019	TO15VOL	95-63-6	1,2,4-Trimethylbenzene		U	36	180	ppbv	UJ	s	Surrogate %R (BFB)	59	70-130 %
320482481	RISG-14-15.0-20190311-FD	3/11/2019	TO15VOL	78-87-5	1,2-Dichloropropane		U	53	88	ppbv	UJ	s	Surrogate %R (BFB)	59	70-130 %
320482481	RISG-14-15.0-20190311-FD	3/11/2019	TO15VOL	100-44-7	Benzyl chloride		U	36	180	ppbv	UJ	s	Surrogate %R (BFB)	59	70-130 %
320482481	RISG-14-15.0-20190311-FD	3/11/2019	TO15VOL	124-48-1	Dibromochloromethane		U	17	88	ppbv	UJ	s	Surrogate %R (BFB)	59	70-130 %
320482481	RISG-14-15.0-20190311-FD	3/11/2019	TO15VOL	67-64-1	Acetone	110	J	39	440	ppbv	J-	s,sp	Surrogate %R (BFB); < PQL	59	70-130 %
320482481	RISG-14-15.0-20190311-FD	3/11/2019	TO15VOL	56-23-5	Carbon Tetrachloride		U	14	180	ppbv	UJ	s	Surrogate %R (BFB)	59	70-130 %
320482481	RISG-14-15.0-20190311-FD	3/11/2019	TO15VOL	75-15-0	Carbon Disulfide	23	J	17	180	ppbv	J-	s,sp	Surrogate %R (BFB); < PQL	59	70-130 %
320482481	RISG-14-15.0-20190311-FD	3/11/2019	TO15VOL	79-34-5	1,1,2,2-Tetrachloroethane		U	15	88	ppbv	UJ	s	Surrogate %R (BFB)	59	70-130 %
320482481	RISG-14-15.0-20190311-FD	3/11/2019	TO15VOL	156-60-5	trans-1,2-Dichloroethene		U	22	88	ppbv	UJ	s	Surrogate %R (BFB)	59	70-130 %
320482481	RISG-14-15.0-20190311-FD	3/11/2019	TO15VOL	78-93-3	2-Butanone		U	44	180	ppbv	UJ	s	Surrogate %R (BFB)	59	70-130 %
320482481	RISG-14-15.0-20190311-FD	3/11/2019	TO15VOL	108-67-8	1,3,5-Trimethylbenzene		U	28	88	ppbv	UJ	s	Surrogate %R (BFB)	59	70-130 %
320482481	RISG-14-15.0-20190311-FD	3/11/2019	TO15VOL	108-90-7	Chlorobenzene		U	14	66	ppbv	UJ	s	Surrogate %R (BFB)	59	70-130 %
320482481	RISG-14-15.0-20190311-FD	3/11/2019	TO15VOL	79-01-6	Trichloroethene		U	23	88	ppbv	UJ	s	Surrogate %R (BFB)	59	70-130 %
320482481	RISG-14-15.0-20190311-FD	3/11/2019	TO15VOL	95-50-1	1,2-Dichlorobenzene		U	29	88	ppbv	UJ	s	Surrogate %R (BFB)	59	70-130 %
320482481	RISG-14-15.0-20190311-FD	3/11/2019	TO15VOL	108-88-3	Toluene		U	11	88	ppbv	UJ	s	Surrogate %R (BFB)	59	70-130 %
320482481	RISG-14-15.0-20190311-FD	3/11/2019	TO15VOL	75-25-2	Bromoform		U	15	88	ppbv	UJ	s	Surrogate %R (BFB)	59	70-130 %
320482481	RISG-14-15.0-20190311-FD	3/11/2019	TO15VOL	87-68-3	Hexachlorobutadiene		U	95	440	ppbv	UJ	s	Surrogate %R (BFB)	59	70-130 %
320482481	RISG-14-15.0-20190311-FD	3/11/2019	TO15VOL	10061-01-5	cis-1,3-Dichloropropene		U	23	88	ppbv	UJ	s	Surrogate %R (BFB)	59	70-130 %
320482481	RISG-14-15.0-20190311-FD	3/11/2019	TO15VOL	108-05-4	Vinyl Acetate		U	32	180	ppbv	UJ	s	Surrogate %R (BFB)	59	70-130 %
320482481	RISG-14-15.0-20190311-FD	3/11/2019	TO15VOL	107-06-2	1,2-Dichloroethane		U	19	180	ppbv	UJ	s	Surrogate %R (BFB)	59	70-130 %
320482481	RISG-14-15.0-20190311-FD	3/11/2019	TO15VOL	67-66-3	Chloroform	12000		21	66	ppbv	J-	s	Surrogate %R (BFB)	59	70-130 %
320482481	RISG-14-15.0-20190311-FD	3/11/2019	TO15VOL	100-41-4	Ethyl Benzene		U	14	88	ppbv	UJ	s	Surrogate %R (BFB)	59	70-130 %
320482481	RISG-14-15.0-20190311-FD	3/11/2019	TO15VOL	108-10-1	4-Methyl-2-pentanone		U	30	88	ppbv	UJ	s	Surrogate %R (BFB)	59	70-130 %
320482481	RISG-14-15.0-20190311-FD	3/11/2019	TO15VOL	120-82-1	1,2,4-Trichlorobenzene		U	95	440	ppbv	UJ	s	Surrogate %R (BFB)	59	70-130 %
320482481	RISG-14-15.0-20190311-FD	3/11/2019	TO15VOL	100-42-5	Styrene		U	13	88	ppbv	UJ	s	Surrogate %R (BFB)	59	70-130 %
320482481	RISG-14-15.0-20190311-FD	3/11/2019	TO15VOL	74-87-3	Chloromethane		U	43	180	ppbv	UJ	s	Surrogate %R (BFB)	59	70-130 %
320482481	RISG-14-15.0-20190311-FD	3/11/2019	TO15VOL	106-93-4	1,2-Dibromoethane		U	17	180	ppbv	UJ	s	Surrogate %R (BFB)	59	70-130 %
320482481	RISG-14-15.0-20190311-FD	3/11/2019	TO15VOL	10061-02-6	trans-1,3-Dichloropropene		U	19	88	ppbv	UJ	s	Surrogate %R (BFB)	59	70-130 %
320482481	RISG-14-15.0-20190311-FD	3/11/2019	TO15VOL	106-46-7	1,4-Dichlorobenzene		U	33	88	ppbv	UJ	s	Surrogate %R (BFB)	59	70-130 %
320482481	RISG-14-15.0-20190311-FD	3/11/2019	TO15VOL	75-34-3	1,1-Dichloroethane		U	16	66	ppbv	UJ	s	Surrogate %R (BFB)	59	70-130 %
320482481	RISG-14-15.0-20190311-FD	3/11/2019	TO15VOL	71-43-2	Benzene		U	17	88	ppbv	UJ	s	Surrogate %R (BFB)	59	70-130 %
320482481	RISG-14-15.0-20190311-FD	3/11/2019	TO15VOL	156-59-2	cis-1,2-Dichloroethene		U	20	88	ppbv	UJ	s	Surrogate %R (BFB)	59	70-130 %
320482481	RISG-14-15.0-20190311-FD	3/11/2019	TO15VOL	76-14-2	Freon 114		U	34	88	ppbv	UJ	s	Surrogate %R (BFB)	59	70-130 %
320482481	RISG-14-5.0-20190311	3/11/2019	TO15VOL	156-59-2	cis-1,2-Dichloroethene		U	16	70	ppbv	UJ	s	Surrogate %R (BFB)	65	70-130 %

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte ¹	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator ²	Qualification Finding	Acceptance Criteria
320482481	RISG-14-5.0-20190311	3/11/2019	TO15VOL	100-42-5	Styrene		U	10	70	ppbv	UJ	s	Surrogate %R (BFB)	65	70-130 %
320482481	RISG-14-5.0-20190311	3/11/2019	TO15VOL	71-43-2	Benzene		U	14	70	ppbv	UJ	s	Surrogate %R (BFB)	65	70-130 %
320482481	RISG-14-5.0-20190311	3/11/2019	TO15VOL	75-34-3	1,1-Dichloroethane		U	13	53	ppbv	UJ	s	Surrogate %R (BFB)	65	70-130 %
320482481	RISG-14-5.0-20190311	3/11/2019	TO15VOL	106-46-7	1,4-Dichlorobenzene		U	26	70	ppbv	UJ	s	Surrogate %R (BFB)	65	70-130 %
320482481	RISG-14-5.0-20190311	3/11/2019	TO15VOL	10061-02-6	trans-1,3-Dichloropropene		U	15	70	ppbv	UJ	s	Surrogate %R (BFB)	65	70-130 %
320482481	RISG-14-5.0-20190311	3/11/2019	TO15VOL	106-93-4	1,2-Dibromoethane		U	13	140	ppbv	UJ	s	Surrogate %R (BFB)	65	70-130 %
320482481	RISG-14-5.0-20190311	3/11/2019	TO15VOL	67-66-3	Chloroform	7100		17	53	ppbv	J-	s	Surrogate %R (BFB)	65	70-130 %
320482481	RISG-14-5.0-20190311	3/11/2019	TO15VOL	76-14-2	Freon 114		U	27	70	ppbv	UJ	s	Surrogate %R (BFB)	65	70-130 %
320482481	RISG-14-5.0-20190311	3/11/2019	TO15VOL	120-82-1	1,2,4-Trichlorobenzene		U	76	350	ppbv	UJ	s	Surrogate %R (BFB)	65	70-130 %
320482481	RISG-14-5.0-20190311	3/11/2019	TO15VOL	74-87-3	Chloromethane		U	35	140	ppbv	UJ	s	Surrogate %R (BFB)	65	70-130 %
320482481	RISG-14-5.0-20190311	3/11/2019	TO15VOL	108-05-4	Vinyl Acetate		U	25	140	ppbv	UJ	s	Surrogate %R (BFB)	65	70-130 %
320482481	RISG-14-5.0-20190311	3/11/2019	TO15VOL	107-06-2	1,2-Dichloroethane		U	15	140	ppbv	UJ	s	Surrogate %R (BFB)	65	70-130 %
320482481	RISG-14-5.0-20190311	3/11/2019	TO15VOL	10061-01-5	cis-1,3-Dichloropropene		U	18	70	ppbv	UJ	s	Surrogate %R (BFB)	65	70-130 %
320482481	RISG-14-5.0-20190311	3/11/2019	TO15VOL	87-68-3	Hexachlorobutadiene		U	76	350	ppbv	UJ	s	Surrogate %R (BFB)	65	70-130 %
320482481	RISG-14-5.0-20190311	3/11/2019	TO15VOL	79-34-5	1,1,2,2-Tetrachloroethane		U	12	70	ppbv	UJ	s	Surrogate %R (BFB)	65	70-130 %
320482481	RISG-14-5.0-20190311	3/11/2019	TO15VOL	108-88-3	Toluene		U	9.0	70	ppbv	UJ	s	Surrogate %R (BFB)	65	70-130 %
320482481	RISG-14-5.0-20190311	3/11/2019	TO15VOL	108-10-1	4-Methyl-2-pentanone		U	24	70	ppbv	UJ	s	Surrogate %R (BFB)	65	70-130 %
320482481	RISG-14-5.0-20190311	3/11/2019	TO15VOL	95-50-1	1,2-Dichlorobenzene		U	23	70	ppbv	UJ	s	Surrogate %R (BFB)	65	70-130 %
320482481	RISG-14-5.0-20190311	3/11/2019	TO15VOL	79-01-6	Trichloroethene		U	18	70	ppbv	UJ	s	Surrogate %R (BFB)	65	70-130 %
320482481	RISG-14-5.0-20190311	3/11/2019	TO15VOL	108-90-7	Chlorobenzene		U	11	53	ppbv	UJ	s	Surrogate %R (BFB)	65	70-130 %
320482481	RISG-14-5.0-20190311	3/11/2019	TO15VOL	100-41-4	Ethyl Benzene		U	11	70	ppbv	UJ	s	Surrogate %R (BFB)	65	70-130 %
320482481	RISG-14-5.0-20190311	3/11/2019	TO15VOL	75-25-2	Bromoform		U	12	70	ppbv	UJ	s	Surrogate %R (BFB)	65	70-130 %
320482481	RISG-14-5.0-20190311	3/11/2019	TO15VOL	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane		U	29	70	ppbv	UJ	s	Surrogate %R (BFB)	65	70-130 %
320482481	RISG-14-5.0-20190311	3/11/2019	TO15VOL	108-67-8	1,3,5-Trimethylbenzene		U	22	70	ppbv	UJ	s	Surrogate %R (BFB)	65	70-130 %
320482481	RISG-14-5.0-20190311	3/11/2019	TO15VOL	622-96-8	4-Ethyltoluene		U	33	70	ppbv	UJ	s	Surrogate %R (BFB)	65	70-130 %
320482481	RISG-14-5.0-20190311	3/11/2019	TO15VOL	79-00-5	1,1,2-Trichloroethane		U	12	70	ppbv	UJ	s	Surrogate %R (BFB)	65	70-130 %
320482481	RISG-14-5.0-20190311	3/11/2019	TO15VOL	95-47-6	ortho-xylene		U	9.5	70	ppbv	UJ	s	Surrogate %R (BFB)	65	70-130 %
320482481	RISG-14-5.0-20190311	3/11/2019	TO15VOL	100-44-7	Benzyl chloride		U	29	140	ppbv	UJ	s	Surrogate %R (BFB)	65	70-130 %
320482481	RISG-14-5.0-20190311	3/11/2019	TO15VOL	124-48-1	Dibromochloromethane		U	14	70	ppbv	UJ	s	Surrogate %R (BFB)	65	70-130 %
320482481	RISG-14-5.0-20190311	3/11/2019	TO15VOL	75-01-4	Vinyl Chloride		U	21	70	ppbv	UJ	s	Surrogate %R (BFB)	65	70-130 %
320482481	RISG-14-5.0-20190311	3/11/2019	TO15VOL	75-09-2	Methylene Chloride		U	13	70	ppbv	UJ	s	Surrogate %R (BFB)	65	70-130 %
320482481	RISG-14-5.0-20190311	3/11/2019	TO15VOL	74-83-9	Bromomethane		U	59	140	ppbv	UJ	s	Surrogate %R (BFB)	65	70-130 %
320482481	RISG-14-5.0-20190311	3/11/2019	TO15VOL	156-60-5	trans-1,2-Dichloroethene		U	18	70	ppbv	UJ	s	Surrogate %R (BFB)	65	70-130 %
320482481	RISG-14-5.0-20190311	3/11/2019	TO15VOL	591-78-6	2-Hexanone		U	15	70	ppbv	UJ	s	Surrogate %R (BFB)	65	70-130 %
320482481	RISG-14-5.0-20190311	3/11/2019	TO15VOL	541-73-1	1,3-Dichlorobenzene		U	19	70	ppbv	UJ	s	Surrogate %R (BFB)	65	70-130 %
320482481	RISG-14-5.0-20190311	3/11/2019	TO15VOL	127-18-4	Tetrachloroethene	24	J	9.0	70	ppbv	J-	s,sp	Surrogate %R (BFB); < PQL	65	70-130 %
320482481	RISG-14-5.0-20190311	3/11/2019	TO15VOL	56-23-5	Carbon Tetrachloride		U	11	140	ppbv	UJ	s	Surrogate %R (BFB)	65	70-130 %
320482481	RISG-14-5.0-20190311	3/11/2019	TO15VOL	75-15-0	Carbon Disulfide		U	14	140	ppbv	UJ	s	Surrogate %R (BFB)	65	70-130 %
320482481	RISG-14-5.0-20190311	3/11/2019	TO15VOL	67-64-1	Acetone		U	31	350	ppbv	UJ	s	Surrogate %R (BFB)	65	70-130 %
320482481	RISG-14-5.0-20190311	3/11/2019	TO15VOL	95-63-6	1,2,4-Trimethylbenzene		U	28	140	ppbv	UJ	s	Surrogate %R (BFB)	65	70-130 %
320482481	RISG-14-5.0-20190311	3/11/2019	TO15VOL	75-71-8	Dichlorodifluoromethane		U	25	70	ppbv	UJ	s	Surrogate %R (BFB)	65	70-130 %
320482481	RISG-14-5.0-20190311	3/11/2019	TO15VOL	78-93-3	2-Butanone		U	35	140	ppbv	UJ	s	Surrogate %R (BFB)	65	70-130 %
320482481	RISG-14-5.0-20190311	3/11/2019	TO15VOL	136777-61-2	m,p-xylene		U	18	140	ppbv	UJ	s	Surrogate %R (BFB)	65	70-130 %
320482481	RISG-14-5.0-20190311	3/11/2019	TO15VOL	75-00-3	Chloroethane		U	54	140	ppbv	UJ	s	Surrogate %R (BFB)	65	70-130 %
320482481	RISG-14-5.0-20190311	3/11/2019	TO15VOL	71-55-6	1,1,1-Trichloroethane		U	11	53	ppbv	UJ	s	Surrogate %R (BFB)	65	70-130 %
320482481	RISG-14-5.0-20190311	3/11/2019	TO15VOL	75-27-4	Bromodichloromethane		U	12	53	ppbv	UJ	s	Surrogate %R (BFB)	65	70-130 %
320482481	RISG-14-5.0-20190311	3/11/2019	TO15VOL	75-35-4	1,1-Dichloroethene		U	13	140	ppbv	UJ	s	Surrogate %R (BFB)	65	70-130 %
320482481	RISG-14-5.0-20190311	3/11/2019	TO15VOL	78-87-5	1,2-Dichloropropane		U	42	70	ppbv	UJ	s	Surrogate %R (BFB)	65	70-130 %
320482481	RISG-14-5.0-20190311	3/11/2019	TO15VOL	75-69-4	Trichlorofluoromethane		U	34	70	ppbv	UJ	s	Surrogate %R (BFB)	65	70-130 %
320482481	RISG-1-5.0-20190311	3/11/2019	TO15VOL	108-88-3	Toluene	0.28	J	0.13	1.0	ppbv	J	sp	< PQL		
320482481	RISG-1-5.0-20190311	3/11/2019	TO15VOL	67-64-1	Acetone	3.3	J	0.46	5.1	ppbv	J	sp	< PQL		
320482481	RISG-1-5.0-20190311	3/11/2019	TO15VOL	56-23-5	Carbon Tetrachloride	1.6	J	0.16	2.1	ppbv	J	sp	< PQL		
320482481	RISG-1-5.0-20190311	3/11/2019	TO15VOL	78-93-3	2-Butanone	0.74	J	0.51	2.1	ppbv	J	sp	< PQL		
320482481	RISG-1-5.0-20190311	3/11/2019	TO15VOL	75-35-4	1,1-Dichloroethene	0.27	J	0.19	2.1	ppbv	J	sp	< PQL		
320482481	RISG-1-5.0-20190311	3/11/2019	TO15VOL	75-15-0	Carbon Disulfide	7.4	J	1.0	10	ppbv	J	sp	< PQL		
320482481	RISG-15-15.0-20190311	3/11/2019	TO15VOL	79-00-5	1,1,2-Trichloroethane		U	11	63	ppbv	UJ	s	Surrogate %R (BFB)	61	70-130 %

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte ¹	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator ²	Qualification Finding	Acceptance Criteria
320482481	RISG-15-15.0-20190311	3/11/2019	TO15VOL	95-47-6	ortho-xylene		U	8.5	63	ppbv	UJ	s	Surrogate %R (BFB)	61	70-130 %
320482481	RISG-15-15.0-20190311	3/11/2019	TO15VOL	75-01-4	Vinyl Chloride		U	19	63	ppbv	UJ	s	Surrogate %R (BFB)	61	70-130 %
320482481	RISG-15-15.0-20190311	3/11/2019	TO15VOL	107-06-2	1,2-Dichloroethane		U	14	130	ppbv	UJ	s	Surrogate %R (BFB)	61	70-130 %
320482481	RISG-15-15.0-20190311	3/11/2019	TO15VOL	76-14-2	Freon 114		U	24	63	ppbv	UJ	s	Surrogate %R (BFB)	61	70-130 %
320482481	RISG-15-15.0-20190311	3/11/2019	TO15VOL	74-87-3	Chloromethane		U	31	130	ppbv	UJ	s	Surrogate %R (BFB)	61	70-130 %
320482481	RISG-15-15.0-20190311	3/11/2019	TO15VOL	67-66-3	Chloroform	6700		15	47	ppbv	J-	s	Surrogate %R (BFB)	61	70-130 %
320482481	RISG-15-15.0-20190311	3/11/2019	TO15VOL	106-93-4	1,2-Dibromoethane		U	12	130	ppbv	UJ	s	Surrogate %R (BFB)	61	70-130 %
320482481	RISG-15-15.0-20190311	3/11/2019	TO15VOL	10061-02-6	trans-1,3-Dichloropropene		U	14	63	ppbv	UJ	s	Surrogate %R (BFB)	61	70-130 %
320482481	RISG-15-15.0-20190311	3/11/2019	TO15VOL	106-46-7	1,4-Dichlorobenzene		U	23	63	ppbv	UJ	s	Surrogate %R (BFB)	61	70-130 %
320482481	RISG-15-15.0-20190311	3/11/2019	TO15VOL	75-34-3	1,1-Dichloroethane		U	11	47	ppbv	UJ	s	Surrogate %R (BFB)	61	70-130 %
320482481	RISG-15-15.0-20190311	3/11/2019	TO15VOL	71-43-2	Benzene		U	12	63	ppbv	UJ	s	Surrogate %R (BFB)	61	70-130 %
320482481	RISG-15-15.0-20190311	3/11/2019	TO15VOL	156-59-2	cis-1,2-Dichloroethene		U	14	63	ppbv	UJ	s	Surrogate %R (BFB)	61	70-130 %
320482481	RISG-15-15.0-20190311	3/11/2019	TO15VOL	100-42-5	Styrene		U	9.3	63	ppbv	UJ	s	Surrogate %R (BFB)	61	70-130 %
320482481	RISG-15-15.0-20190311	3/11/2019	TO15VOL	108-05-4	Vinyl Acetate		U	23	130	ppbv	UJ	s	Surrogate %R (BFB)	61	70-130 %
320482481	RISG-15-15.0-20190311	3/11/2019	TO15VOL	10061-01-5	cis-1,3-Dichloropropene		U	16	63	ppbv	UJ	s	Surrogate %R (BFB)	61	70-130 %
320482481	RISG-15-15.0-20190311	3/11/2019	TO15VOL	87-68-3	Hexachlorobutadiene		U	68	320	ppbv	UJ	s	Surrogate %R (BFB)	61	70-130 %
320482481	RISG-15-15.0-20190311	3/11/2019	TO15VOL	108-88-3	Toluene		U	8.0	63	ppbv	UJ	s	Surrogate %R (BFB)	61	70-130 %
320482481	RISG-15-15.0-20190311	3/11/2019	TO15VOL	108-10-1	4-Methyl-2-pentanone		U	21	63	ppbv	UJ	s	Surrogate %R (BFB)	61	70-130 %
320482481	RISG-15-15.0-20190311	3/11/2019	TO15VOL	95-50-1	1,2-Dichlorobenzene		U	20	63	ppbv	UJ	s	Surrogate %R (BFB)	61	70-130 %
320482481	RISG-15-15.0-20190311	3/11/2019	TO15VOL	79-01-6	Trichloroethene		U	17	63	ppbv	UJ	s	Surrogate %R (BFB)	61	70-130 %
320482481	RISG-15-15.0-20190311	3/11/2019	TO15VOL	108-90-7	Chlorobenzene		U	10	47	ppbv	UJ	s	Surrogate %R (BFB)	61	70-130 %
320482481	RISG-15-15.0-20190311	3/11/2019	TO15VOL	108-67-8	1,3,5-Trimethylbenzene		U	20	63	ppbv	UJ	s	Surrogate %R (BFB)	61	70-130 %
320482481	RISG-15-15.0-20190311	3/11/2019	TO15VOL	75-25-2	Bromoform		U	11	63	ppbv	UJ	s	Surrogate %R (BFB)	61	70-130 %
320482481	RISG-15-15.0-20190311	3/11/2019	TO15VOL	124-48-1	Dibromochloromethane		U	12	63	ppbv	UJ	s	Surrogate %R (BFB)	61	70-130 %
320482481	RISG-15-15.0-20190311	3/11/2019	TO15VOL	120-82-1	1,2,4-Trichlorobenzene		U	68	320	ppbv	UJ	s	Surrogate %R (BFB)	61	70-130 %
320482481	RISG-15-15.0-20190311	3/11/2019	TO15VOL	75-35-4	1,1-Dichloroethene		U	11	130	ppbv	UJ	s	Surrogate %R (BFB)	61	70-130 %
320482481	RISG-15-15.0-20190311	3/11/2019	TO15VOL	75-15-0	Carbon Disulfide	25	J	12	130	ppbv	J-	s,sp	Surrogate %R (BFB); < PQL	61	70-130 %
320482481	RISG-15-15.0-20190311	3/11/2019	TO15VOL	74-83-9	Bromomethane		U	53	130	ppbv	UJ	s	Surrogate %R (BFB)	61	70-130 %
320482481	RISG-15-15.0-20190311	3/11/2019	TO15VOL	622-96-8	4-Ethyltoluene		U	29	63	ppbv	UJ	s	Surrogate %R (BFB)	61	70-130 %
320482481	RISG-15-15.0-20190311	3/11/2019	TO15VOL	591-78-6	2-Hexanone		U	14	63	ppbv	UJ	s	Surrogate %R (BFB)	61	70-130 %
320482481	RISG-15-15.0-20190311	3/11/2019	TO15VOL	541-73-1	1,3-Dichlorobenzene		U	17	63	ppbv	UJ	s	Surrogate %R (BFB)	61	70-130 %
320482481	RISG-15-15.0-20190311	3/11/2019	TO15VOL	127-18-4	Tetrachloroethene	19	J	8.0	63	ppbv	J-	s,sp	Surrogate %R (BFB); < PQL	61	70-130 %
320482481	RISG-15-15.0-20190311	3/11/2019	TO15VOL	95-63-6	1,2,4-Trimethylbenzene		U	26	130	ppbv	UJ	s	Surrogate %R (BFB)	61	70-130 %
320482481	RISG-15-15.0-20190311	3/11/2019	TO15VOL	79-34-5	1,1,2,2-Tetrachloroethane		U	11	63	ppbv	UJ	s	Surrogate %R (BFB)	61	70-130 %
320482481	RISG-15-15.0-20190311	3/11/2019	TO15VOL	75-69-4	Trichlorofluoromethane		U	31	63	ppbv	UJ	s	Surrogate %R (BFB)	61	70-130 %
320482481	RISG-15-15.0-20190311	3/11/2019	TO15VOL	100-41-4	Ethyl Benzene		U	9.9	63	ppbv	UJ	s	Surrogate %R (BFB)	61	70-130 %
320482481	RISG-15-15.0-20190311	3/11/2019	TO15VOL	78-87-5	1,2-Dichloropropane		U	38	63	ppbv	UJ	s	Surrogate %R (BFB)	61	70-130 %
320482481	RISG-15-15.0-20190311	3/11/2019	TO15VOL	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane		U	26	63	ppbv	UJ	s	Surrogate %R (BFB)	61	70-130 %
320482481	RISG-15-15.0-20190311	3/11/2019	TO15VOL	75-27-4	Bromodichloromethane	11	J	10	47	ppbv	J-	s,sp	Surrogate %R (BFB); < PQL	61	70-130 %
320482481	RISG-15-15.0-20190311	3/11/2019	TO15VOL	75-09-2	Methylene Chloride		U	11	63	ppbv	UJ	s	Surrogate %R (BFB)	61	70-130 %
320482481	RISG-15-15.0-20190311	3/11/2019	TO15VOL	71-55-6	1,1,1-Trichloroethane		U	10	47	ppbv	UJ	s	Surrogate %R (BFB)	61	70-130 %
320482481	RISG-15-15.0-20190311	3/11/2019	TO15VOL	75-00-3	Chloroethane		U	49	130	ppbv	UJ	s	Surrogate %R (BFB)	61	70-130 %
320482481	RISG-15-15.0-20190311	3/11/2019	TO15VOL	136777-61-2	m,p-xylene		U	16	130	ppbv	UJ	s	Surrogate %R (BFB)	61	70-130 %
320482481	RISG-15-15.0-20190311	3/11/2019	TO15VOL	78-93-3	2-Butanone		U	31	130	ppbv	UJ	s	Surrogate %R (BFB)	61	70-130 %
320482481	RISG-15-15.0-20190311	3/11/2019	TO15VOL	75-71-8	Dichlorodifluoromethane		U	23	63	ppbv	UJ	s	Surrogate %R (BFB)	61	70-130 %
320482481	RISG-15-15.0-20190311	3/11/2019	TO15VOL	56-23-5	Carbon Tetrachloride		U	10	130	ppbv	UJ	s	Surrogate %R (BFB)	61	70-130 %
320482481	RISG-15-15.0-20190311	3/11/2019	TO15VOL	67-64-1	Acetone		U	28	320	ppbv	UJ	s	Surrogate %R (BFB)	61	70-130 %
320482481	RISG-15-15.0-20190311	3/11/2019	TO15VOL	156-60-5	trans-1,2-Dichloroethene		U	16	63	ppbv	UJ	s	Surrogate %R (BFB)	61	70-130 %
320482481	RISG-15-15.0-20190311	3/11/2019	TO15VOL	100-44-7	Benzyl chloride		U	26	130	ppbv	UJ	s	Surrogate %R (BFB)	61	70-130 %
320482481	RISG-15-5.0-20190311	3/11/2019	TO15VOL	127-18-4	Tetrachloroethene	4.5	J	1.3	10	ppbv	J	sp	< PQL		
320482481	RISG-15-5.0-20190311	3/11/2019	TO15VOL	75-15-0	Carbon Disulfide	9.2	J	2.0	21	ppbv	J	sp	< PQL		
320482481	RISG-15-5.0-20190311	3/11/2019	TO15VOL	67-64-1	Acetone	7.4	J	4.6	52	ppbv	J	sp	< PQL		
320482481	RISG-21-15.0-20190311	3/11/2019	TO15VOL	75-15-0	Carbon Disulfide	2.6	J	0.75	7.7	ppbv	J	sp	< PQL		
320482481	RISG-21-15.0-20190311	3/11/2019	TO15VOL	127-18-4	Tetrachloroethene	3.2	J	0.49	3.8	ppbv	J	sp	< PQL		
320482481	RISG-21-15.0-20190311	3/11/2019	TO15VOL	136777-61-2	m,p-xylene	1.1	JB	0.96	7.7	ppbv	J	bl,sp	MB contamination; < PQL	0.619	2.37696 ppbv
320482481	RISG-21-15.0-20190311	3/11/2019	TO15VOL	56-23-5	Carbon Tetrachloride	0.78	J	0.61	7.7	ppbv	J	sp	< PQL		

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte ¹	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator ²	Qualification Finding	Acceptance Criteria
320482481	RISG-21-15.0-20190311	3/11/2019	TO15VOL	67-64-1	Acetone	3.0	J	1.7	19	ppbv	J	sp	< PQL		
320482481	RISG-21-15.0-20190311	3/11/2019	TO15VOL	100-44-7	Benzyl chloride	3.8	J	1.6	7.7	ppbv	J	sp	< PQL		
320482481	RISG-21-5.0-20190311	3/11/2019	TO15VOL	67-64-1	Acetone	9.7	J	0.89	10	ppbv	J	sp	< PQL		
320482481	RISG-21-5.0-20190311	3/11/2019	TO15VOL	95-47-6	ortho-xylene	0.61	J	0.27	2.0	ppbv	J	sp	< PQL		
320482481	RISG-21-5.0-20190311	3/11/2019	TO15VOL	541-73-1	1,3-Dichlorobenzene	1.0	J	0.55	2.0	ppbv	J	sp	< PQL		
320482481	RISG-21-5.0-20190311	3/11/2019	TO15VOL	127-18-4	Tetrachloroethene	1.6	J	0.26	2.0	ppbv	J	sp	< PQL		
320482481	RISG-21-5.0-20190311	3/11/2019	TO15VOL	75-09-2	Methylene Chloride	0.64	J	0.36	2.0	ppbv	J	sp	< PQL		
320482481	RISG-21-5.0-20190311	3/11/2019	TO15VOL	136777-61-2	m,p-xylene	1.6	JB	0.50	4.0	ppbv	J	sp	< PQL		
320482481	RISG-21-5.0-20190311	3/11/2019	TO15VOL	75-71-8	Dichlorodifluoromethane	0.87	J	0.73	2.0	ppbv	J	sp	< PQL		
320482481	RISG-21-5.0-20190311	3/11/2019	TO15VOL	56-23-5	Carbon Tetrachloride	0.53	J	0.32	4.0	ppbv	J	sp	< PQL		
320482481	RISG-21-5.0-20190311	3/11/2019	TO15VOL	100-41-4	Ethyl Benzene	0.39	J	0.32	2.0	ppbv	J	sp	< PQL		
320482481	RISG-21-5.0-20190311	3/11/2019	TO15VOL	108-88-3	Toluene	1.7	J	0.26	2.0	ppbv	J	sp	< PQL		
320482481	RISG-21-5.0-20190311	3/11/2019	TO15VOL	108-67-8	1,3,5-Trimethylbenzene	0.65	J	0.63	2.0	ppbv	J	sp	< PQL		
320482481	RISG-21-5.0-20190311	3/11/2019	TO15VOL	78-93-3	2-Butanone	1.0	J	1.0	4.0	ppbv	J	sp	< PQL		
320482481	RISG-29-15.0-20190311	3/11/2019	TO15VOL	75-71-8	Dichlorodifluoromethane	0.78	J	0.73	2.0	ppbv	J	sp	< PQL		
320482481	RISG-29-15.0-20190311	3/11/2019	TO15VOL	108-10-1	4-Methyl-2-pentanone	1.4	J	0.68	2.0	ppbv	J	sp	< PQL		
320482481	RISG-29-15.0-20190311	3/11/2019	TO15VOL	79-01-6	Trichloroethene	1.4	J	0.53	2.0	ppbv	J	sp	< PQL		
320482481	RISG-29-15.0-20190311	3/11/2019	TO15VOL	108-88-3	Toluene	0.78	J	0.26	2.0	ppbv	J	sp	< PQL		
320482481	RISG-29-15.0-20190311	3/11/2019	TO15VOL	71-43-2	Benzene	0.40	J	0.40	2.0	ppbv	J	sp	< PQL		
320482481	RISG-29-15.0-20190311	3/11/2019	TO15VOL	100-41-4	Ethyl Benzene	0.87	J	0.32	2.0	ppbv	J	sp	< PQL		
320482481	RISG-29-15.0-20190311	3/11/2019	TO15VOL	56-23-5	Carbon Tetrachloride	0.83	J	0.32	4.0	ppbv	J	sp	< PQL		
320482481	RISG-29-15.0-20190311	3/11/2019	TO15VOL	136777-61-2	m,p-xylene	3.6	JB	0.50	4.0	ppbv	J	sp	< PQL		
320482481	RISG-29-15.0-20190311	3/11/2019	TO15VOL	75-27-4	Bromodichloromethane	0.88	J	0.33	1.5	ppbv	J	sp	< PQL		
320482481	RISG-29-15.0-20190311	3/11/2019	TO15VOL	75-35-4	1,1-Dichloroethene	0.38	J	0.36	4.0	ppbv	J	sp	< PQL		
320482481	RISG-29-15.0-20190311	3/11/2019	TO15VOL	95-63-6	1,2,4-Trimethylbenzene	0.90	J	0.81	4.0	ppbv	J	sp	< PQL		
320482481	RISG-29-15.0-20190311	3/11/2019	TO15VOL	78-93-3	2-Butanone	3.3	J	1.0	4.0	ppbv	J	sp	< PQL		
320482481	RISG-29-15.0-20190311	3/11/2019	TO15VOL	541-73-1	1,3-Dichlorobenzene	1.2	J	0.55	2.0	ppbv	J	sp	< PQL		
320482481	RISG-29-15.0-20190311	3/11/2019	TO15VOL	95-47-6	ortho-xylene	1.5	J	0.27	2.0	ppbv	J	sp	< PQL		
320482481	RISG-29-5.0-20190311	3/11/2019	TO15VOL	56-23-5	Carbon Tetrachloride	0.61	J	0.32	4.0	ppbv	J	sp	< PQL		
320482481	RISG-29-5.0-20190311	3/11/2019	TO15VOL	95-63-6	1,2,4-Trimethylbenzene	1.4	J	0.81	4.0	ppbv	J	sp	< PQL		
320482481	RISG-29-5.0-20190311	3/11/2019	TO15VOL	541-73-1	1,3-Dichlorobenzene	1.1	J	0.55	2.0	ppbv	J	sp	< PQL		
320482481	RISG-29-5.0-20190311	3/11/2019	TO15VOL	75-27-4	Bromodichloromethane	0.83	J	0.33	1.5	ppbv	J	sp	< PQL		
320482481	RISG-29-5.0-20190311	3/11/2019	TO15VOL	67-64-1	Acetone	6.6	J	0.89	10	ppbv	J	sp	< PQL		
320482481	RISG-29-5.0-20190311	3/11/2019	TO15VOL	108-88-3	Toluene	0.86	J	0.26	2.0	ppbv	J	sp	< PQL		
320482481	RISG-29-5.0-20190311	3/11/2019	TO15VOL	79-01-6	Trichloroethene	0.58	J	0.53	2.0	ppbv	J	sp	< PQL		
320482481	RISG-29-5.0-20190311	3/11/2019	TO15VOL	108-67-8	1,3,5-Trimethylbenzene	0.97	J	0.63	2.0	ppbv	J	sp	< PQL		
320482481	RISG-29-5.0-20190311	3/11/2019	TO15VOL	75-71-8	Dichlorodifluoromethane	0.89	J	0.73	2.0	ppbv	J	sp	< PQL		
320483131	RISG-31-5.0-20190313	3/13/2019	TO15VOL	67-64-1	Acetone	8.0	J	0.89	10	ppbv	J	sp	< PQL		
320483131	RISG-31-5.0-20190313	3/13/2019	TO15VOL	75-71-8	Dichlorodifluoromethane	0.76	J	0.73	2.0	ppbv	J	sp	< PQL		
320483131	RISG-31-5.0-20190313	3/13/2019	TO15VOL	75-15-0	Carbon Disulfide	3.9	J	0.39	4.0	ppbv	J	sp	< PQL		
320483131	RISG-32-15.0-20190313	3/13/2019	TO15VOL	75-71-8	Dichlorodifluoromethane	0.73	J	0.73	2.0	ppbv	J	sp	< PQL		
320483131	RISG-32-15.0-20190313	3/13/2019	TO15VOL	75-00-3	Chloroethane	3.4	J	1.5	4.0	ppbv	J	sp	< PQL		
320483131	RISG-32-15.0-20190313	3/13/2019	TO15VOL	79-01-6	Trichloroethene	0.63	J	0.53	2.0	ppbv	J	sp	< PQL		
320483131	RISG-32-15.0-20190313	3/13/2019	TO15VOL	75-09-2	Methylene Chloride	0.86	J	0.36	2.0	ppbv	J	sp	< PQL		
320483131	RISG-32-15.0-20190313	3/13/2019	TO15VOL	75-15-0	Carbon Disulfide	1.1	J	0.39	4.0	ppbv	J	sp	< PQL		
320483131	RISG-32-15.0-20190313	3/13/2019	TO15VOL	67-64-1	Acetone	2.6	J	0.89	10	ppbv	J	sp	< PQL		
320483131	RISG-32-5.0-20190313	3/13/2019	TO15VOL	67-64-1	Acetone	4.9	J	0.89	10	ppbv	J	sp	< PQL		
320483131	RISG-32-5.0-20190313	3/13/2019	TO15VOL	75-71-8	Dichlorodifluoromethane	0.76	J	0.73	2.0	ppbv	J	sp	< PQL		
320483131	RISG-33-15.0-20190313	3/13/2019	TO15VOL	95-50-1	1,2-Dichlorobenzene	3.1	J	1.9	5.9	ppbv	J	sp	< PQL		
320483131	RISG-33-15.0-20190313	3/13/2019	TO15VOL	108-90-7	Chlorobenzene	2.3	J	0.95	4.5	ppbv	J	sp	< PQL		
320483131	RISG-33-15.0-20190313	3/13/2019	TO15VOL	71-43-2	Benzene	1.5	J	1.2	5.9	ppbv	J	sp	< PQL		
320483131	RISG-33-15.0-20190313	3/13/2019	TO15VOL	106-46-7	1,4-Dichlorobenzene	2.7	J	2.2	5.9	ppbv	J	sp	< PQL		
320483131	RISG-33-15.0-20190313	3/13/2019	TO15VOL	67-64-1	Acetone	3.1	J	2.6	30	ppbv	J	sp	< PQL		
320483131	RISG-33-15.0-20190313	3/13/2019	TO15VOL	75-09-2	Methylene Chloride	5.7	J	1.1	5.9	ppbv	J	sp	< PQL		
320483131	RISG-33-15.0-20190313	3/13/2019	TO15VOL	75-15-0	Carbon Disulfide	2.3	J	1.2	12	ppbv	J	sp	< PQL		
320483131	RISG-33-5.0-20190313	3/13/2019	TO15VOL	75-71-8	Dichlorodifluoromethane	0.82	J	0.73	2.0	ppbv	J	sp	< PQL		

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte ¹	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator ²	Qualification Finding	Acceptance Criteria
320483131	RISG-33-5.0-20190313	3/13/2019	TO15VOL	75-35-4	1,1-Dichloroethene	0.46	J	0.36	4.0	ppbv	J	sp	< PQL		
320483131	RISG-33-5.0-20190313	3/13/2019	TO15VOL	75-15-0	Carbon Disulfide	3.5	J	0.39	4.0	ppbv	J	sp	< PQL		
320483131	RISG-33-5.0-20190313	3/13/2019	TO15VOL	79-00-5	1,1,2-Trichloroethane	0.60	J	0.34	2.0	ppbv	J	sp	< PQL		
320483131	RISG-33-5.0-20190313	3/13/2019	TO15VOL	67-64-1	Acetone	6.6	J	0.89	10	ppbv	J	sp	< PQL		
320483131	RISG-33-5.0-20190313-FD	3/13/2019	TO15VOL	75-35-4	1,1-Dichloroethene	0.44	J	0.36	4.0	ppbv	J	sp	< PQL		
320483131	RISG-33-5.0-20190313-FD	3/13/2019	TO15VOL	108-88-3	Toluene	0.30	J	0.26	2.0	ppbv	J	sp	< PQL		
320483131	RISG-33-5.0-20190313-FD	3/13/2019	TO15VOL	67-64-1	Acetone	3.7	J	0.89	10	ppbv	J	sp	< PQL		
320483131	RISG-33-5.0-20190313-FD	3/13/2019	TO15VOL	95-50-1	1,2-Dichlorobenzene	0.79	J	0.65	2.0	ppbv	J	sp	< PQL		
320483131	RISG-33-5.0-20190313-FD	3/13/2019	TO15VOL	136777-61-2	m,p-xylene	0.75	JB	0.50	4.0	ppbv	J	bl,sp	MB contamination; < PQL	0.504	1.008 ppbv
320483131	RISG-33-5.0-20190313-FD	3/13/2019	TO15VOL	75-15-0	Carbon Disulfide	1.9	J	0.39	4.0	ppbv	J	sp	< PQL		
320483131	RISG-33-5.0-20190313-FD	3/13/2019	TO15VOL	79-00-5	1,1,2-Trichloroethane	0.65	J	0.34	2.0	ppbv	J	sp	< PQL		
320483131	RISG-33-5.0-20190313-FD	3/13/2019	TO15VOL	95-47-6	ortho-xylene	0.42	JB	0.27	2.0	ppbv	J	bl,sp	MB contamination; < PQL	0.274	0.548 ppbv
320483131	RISG-33-5.0-20190313-FD	3/13/2019	TO15VOL	541-73-1	1,3-Dichlorobenzene	1.3	J	0.55	2.0	ppbv	J	sp	< PQL		
320483131	RISG-33-5.0-20190313-FD	3/13/2019	TO15VOL	75-71-8	Dichlorodifluoromethane	0.84	J	0.73	2.0	ppbv	J	sp	< PQL		
320483131	RISG-34-15.0-20190313	3/13/2019	TO15VOL	67-64-1	Acetone	8.5	J	0.89	10	ppbv	J	sp	< PQL		
320483131	RISG-34-15.0-20190313	3/13/2019	TO15VOL	75-71-8	Dichlorodifluoromethane	0.82	J	0.73	2.0	ppbv	J	sp	< PQL		
320483131	RISG-34-15.0-20190313	3/13/2019	TO15VOL	75-15-0	Carbon Disulfide	2.3	J	0.39	4.0	ppbv	J	sp	< PQL		
320483131	RISG-34-5.0-20190313	3/13/2019	TO15VOL	136777-61-2	m,p-xylene	0.82	JB	0.50	4.0	ppbv	J	bl,sp	MB contamination; < PQL	0.504	1.008 ppbv
320483131	RISG-34-5.0-20190313	3/13/2019	TO15VOL	79-01-6	Trichloroethene	1.6	J	0.53	2.0	ppbv	J	sp	< PQL		
320483131	RISG-34-5.0-20190313	3/13/2019	TO15VOL	108-88-3	Toluene	0.50	J	0.26	2.0	ppbv	J	sp	< PQL		
320483131	RISG-34-5.0-20190313	3/13/2019	TO15VOL	75-71-8	Dichlorodifluoromethane	0.83	J	0.73	2.0	ppbv	J	sp	< PQL		
320483131	RISG-34-5.0-20190313	3/13/2019	TO15VOL	75-09-2	Methylene Chloride	1.6	J	0.36	2.0	ppbv	J	sp	< PQL		
320483131	RISG-34-5.0-20190313	3/13/2019	TO15VOL	75-15-0	Carbon Disulfide	1.6	J	0.39	4.0	ppbv	J	sp	< PQL		
320483131	RISG-34-5.0-20190313	3/13/2019	TO15VOL	95-47-6	ortho-xylene	0.35	JB	0.27	2.0	ppbv	J	bl,sp	MB contamination; < PQL	0.274	0.548 ppbv
320483131	RISG-34-5.0-20190313	3/13/2019	TO15VOL	67-64-1	Acetone	2.5	J	0.89	10	ppbv	J	sp	< PQL		
320483131	RISG-4-15.0-20190311	3/11/2019	TO15VOL	108-88-3	Toluene	0.74	J	0.26	2.0	ppbv	J	sp	< PQL		
320483131	RISG-4-15.0-20190311	3/11/2019	TO15VOL	67-64-1	Acetone	6.6	J	0.89	10	ppbv	J	sp	< PQL		
320483131	RISG-4-15.0-20190311	3/11/2019	TO15VOL	78-93-3	2-Butanone	1.2	J	1.0	4.0	ppbv	J	sp	< PQL		
320483131	RISG-4-15.0-20190311	3/11/2019	TO15VOL	75-15-0	Carbon Disulfide	2.9	J	0.39	4.0	ppbv	J	sp	< PQL		
320483131	RISG-4-5.0-20190311	3/11/2019	TO15VOL	75-15-0	Carbon Disulfide	3.5	J	0.39	4.0	ppbv	J	sp	< PQL		
320483131	RISG-4-5.0-20190311	3/11/2019	TO15VOL	67-64-1	Acetone	5.3	J	0.89	10	ppbv	J	sp	< PQL		
320483131	RISG-4-5.0-20190311	3/11/2019	TO15VOL	108-88-3	Toluene	0.60	J	0.26	2.0	ppbv	J	sp	< PQL		
320483131	RISG-4-5.0-20190311	3/11/2019	TO15VOL	75-71-8	Dichlorodifluoromethane	0.80	J	0.73	2.0	ppbv	J	sp	< PQL		
320483131	RISG-4-5.0-20190311	3/11/2019	TO15VOL	95-47-6	ortho-xylene	0.30	JB	0.27	2.0	ppbv	J	bl,sp	MB contamination; < PQL	0.274	0.548 ppbv
320483131	RISG-4-5.0-20190311	3/11/2019	TO15VOL	136777-61-2	m,p-xylene	0.60	JB	0.50	4.0	ppbv	J	bl,sp	MB contamination; < PQL	0.504	1.008 ppbv
320483131	RISG-4-5.0-20190311	3/11/2019	TO15VOL	75-27-4	Bromodichloromethane	1.4	J	0.33	1.5	ppbv	J	sp	< PQL		
320483131	RISG-5-5.0-20190313	3/13/2019	TO15VOL	78-93-3	2-Butanone	1.7	J	1.0	4.0	ppbv	J	sp	< PQL		
320483131	RISG-5-5.0-20190313	3/13/2019	TO15VOL	75-09-2	Methylene Chloride	0.43	J	0.36	2.0	ppbv	J	sp	< PQL		
320483131	RISG-5-5.0-20190313	3/13/2019	TO15VOL	75-71-8	Dichlorodifluoromethane	0.78	J	0.73	2.0	ppbv	J	sp	< PQL		
320483131	RISG-5-5.0-20190313	3/13/2019	TO15VOL	56-23-5	Carbon Tetrachloride	0.34	J	0.32	4.0	ppbv	J	sp	< PQL		
320483131	RISG-5-5.0-20190313	3/13/2019	TO15VOL	67-64-1	Acetone	6.5	J	0.89	10	ppbv	J	sp	< PQL		
320483131	RISG-5-5.0-20190313	3/13/2019	TO15VOL	100-41-4	Ethyl Benzene	1.0	J	0.32	2.0	ppbv	J	sp	< PQL		
320483131	RISG-5-5.0-20190313	3/13/2019	TO15VOL	71-43-2	Benzene	0.57	J	0.40	2.0	ppbv	J	sp	< PQL		
320483131	RISG-5-5.0-20190313	3/13/2019	TO15VOL	79-01-6	Trichloroethene	1.8	J	0.53	2.0	ppbv	J	sp	< PQL		
320483131	RISG-5-5.0-20190313	3/13/2019	TO15VOL	95-47-6	ortho-xylene	1.9	JB	0.27	2.0	ppbv	J	sp	< PQL		
320483131	RISG-5-5.0-20190313-FD	3/13/2019	TO15VOL	100-41-4	Ethyl Benzene	1.3	J	0.32	2.0	ppbv	J	sp	< PQL		
320483131	RISG-5-5.0-20190313-FD	3/13/2019	TO15VOL	108-67-8	1,3,5-Trimethylbenzene	1.2	J	0.63	2.0	ppbv	J	sp	< PQL		
320483131	RISG-5-5.0-20190313-FD	3/13/2019	TO15VOL	108-90-7	Chlorobenzene	1.2	J	0.32	1.5	ppbv	J	sp	< PQL		
320483131	RISG-5-5.0-20190313-FD	3/13/2019	TO15VOL	95-50-1	1,2-Dichlorobenzene	1.2	J	0.65	2.0	ppbv	J	sp	< PQL		
320483131	RISG-5-5.0-20190313-FD	3/13/2019	TO15VOL	79-34-5	1,1,2,2-Tetrachloroethane	0.82	J	0.35	2.0	ppbv	J	sp	< PQL		
320483131	RISG-5-5.0-20190313-FD	3/13/2019	TO15VOL	71-43-2	Benzene	0.47	J	0.40	2.0	ppbv	J	sp	< PQL		
320483131	RISG-5-5.0-20190313-FD	3/13/2019	TO15VOL	75-25-2	Bromoform	0.44	J	0.35	2.0	ppbv	J	sp	< PQL		
320483131	RISG-5-5.0-20190313-FD	3/13/2019	TO15VOL	100-42-5	Styrene	1.4	J	0.30	2.0	ppbv	J	sp	< PQL		
320483131	RISG-5-5.0-20190313-FD	3/13/2019	TO15VOL	56-23-5	Carbon Tetrachloride	0.43	J	0.32	4.0	ppbv	J	sp	< PQL		
320483131	RISG-5-5.0-20190313-FD	3/13/2019	TO15VOL	75-71-8	Dichlorodifluoromethane	0.74	J	0.73	2.0	ppbv	J	sp	< PQL		
320483131	RISG-5-5.0-20190313-FD	3/13/2019	TO15VOL	78-93-3	2-Butanone	1.4	J	1.0	4.0	ppbv	J	sp	< PQL		

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte ¹	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator ²	Qualification Finding	Acceptance Criteria
320483131	RISG-5-5.0-20190313-FD	3/13/2019	TO15VOL	75-35-4	1,1-Dichloroethene	0.39	J	0.36	4.0	ppbv	J	sp	< PQL		
320483131	RISG-5-5.0-20190313-FD	3/13/2019	TO15VOL	95-63-6	1,2,4-Trimethylbenzene	1.1	J	0.81	4.0	ppbv	J	sp	< PQL		
320483131	RISG-5-5.0-20190313-FD	3/13/2019	TO15VOL	541-73-1	1,3-Dichlorobenzene	1.3	J	0.55	2.0	ppbv	J	sp	< PQL		
320483131	RISG-5-5.0-20190313-FD	3/13/2019	TO15VOL	591-78-6	2-Hexanone	0.63	J	0.44	2.0	ppbv	J	sp	< PQL		
320483131	RISG-5-5.0-20190313-FD	3/13/2019	TO15VOL	100-44-7	Benzyl chloride	2.0	J	0.82	4.0	ppbv	J	sp	< PQL		
320483131	RISG-5-5.0-20190313-FD	3/13/2019	TO15VOL	106-46-7	1,4-Dichlorobenzene	1.1	J	0.75	2.0	ppbv	J	sp	< PQL		
320483131	RISG-5-5.0-20190313-FD	3/13/2019	TO15VOL	67-64-1	Acetone	7.5	J	0.89	10	ppbv	J	sp	< PQL		
320483721	RISG-16-5.0-20190314	3/14/2019	TO15VOL	127-18-4	Tetrachloroethene	24	J	13	99	ppbv	J	sp	< PQL		
320483721	RISG-17-5.0-20190314	3/14/2019	TO15VOL	75-35-4	1,1-Dichloroethene	82	J	81	900	ppbv	J	sp	< PQL		
320483721	RISG-17-5.0-20190314	3/14/2019	TO15VOL	127-18-4	Tetrachloroethene	240	J	57	450	ppbv	J	sp	< PQL		
320483721	RISG-18-5.0-20190314	3/14/2019	TO15VOL	127-18-4	Tetrachloroethene	37	J	7.0	55	ppbv	J	sp	< PQL		
320483721	RISG-18-5.0-20190314	3/14/2019	TO15VOL	75-09-2	Methylene Chloride	11	J	9.9	55	ppbv	J	sp	< PQL		
320483721	RISG-19-5.0-20190314	3/14/2019	TO15VOL	127-18-4	Tetrachloroethene	40	J	21	160	ppbv	J	sp	< PQL		
320483721	RISG-20-15.0-20190314	3/14/2019	TO15VOL	75-09-2	Methylene Chloride	3.7	J	1.3	7.4	ppbv	J	sp	< PQL		
320483721	RISG-20-15.0-20190314	3/14/2019	TO15VOL	67-64-1	Acetone	7.7	J	3.3	37	ppbv	J	sp	< PQL		
320483721	RISG-20-15.0-20190314	3/14/2019	TO15VOL	108-88-3	Toluene	1.2	J	0.95	7.4	ppbv	J	sp	< PQL		
320483721	RISG-20-15.0-20190314-FD	3/14/2019	TO15VOL	67-64-1	Acetone	6.1	J	4.5	50	ppbv	J	sp	< PQL		
320483721	RISG-20-5.0-20190314	3/14/2019	TO15VOL	67-64-1	Acetone	9.4	J	1.9	22	ppbv	J	sp	< PQL		
320483721	RISG-20-5.0-20190314	3/14/2019	TO15VOL	136777-61-2	m,p-xylene	7.4	J	1.1	8.8	ppbv	J	sp	< PQL		
320483721	RISG-20-5.0-20190314	3/14/2019	TO15VOL	108-88-3	Toluene	1.5	J	0.56	4.4	ppbv	J	sp	< PQL		
320483721	RISG-20-5.0-20190314	3/14/2019	TO15VOL	95-47-6	ortho-xylene	2.5	J	0.59	4.4	ppbv	J	sp	< PQL		
320483721	RISG-20-5.0-20190314	3/14/2019	TO15VOL	75-15-0	Carbon Disulfide	2.7	J	0.85	8.8	ppbv	J	sp	< PQL		
320483721	RISG-20-5.0-20190314	3/14/2019	TO15VOL	100-41-4	Ethyl Benzene	1.4	J	0.69	4.4	ppbv	J	sp	< PQL		
320483721	RISG-2-15.0-20190314	3/14/2019	TO15VOL	56-23-5	Carbon Tetrachloride	2.9	J	0.32	4.0	ppbv	J	sp	< PQL		
320483721	RISG-2-15.0-20190314	3/14/2019	TO15VOL	75-71-8	Dichlorodifluoromethane	0.87	J	0.73	2.0	ppbv	J	sp	< PQL		
320483721	RISG-2-15.0-20190314	3/14/2019	TO15VOL	75-09-2	Methylene Chloride	0.62	J	0.36	2.0	ppbv	J	sp	< PQL		
320483721	RISG-2-15.0-20190314	3/14/2019	TO15VOL	75-35-4	1,1-Dichloroethene	1.6	J	0.36	4.0	ppbv	J	sp	< PQL		
320483721	RISG-2-5.0-20190314	3/14/2019	TO15VOL	75-35-4	1,1-Dichloroethene	1.4	J	0.36	4.0	ppbv	J	sp	< PQL		
320483721	RISG-2-5.0-20190314	3/14/2019	TO15VOL	79-01-6	Trichloroethene	0.58	J	0.53	2.0	ppbv	J	sp	< PQL		
320483721	RISG-2-5.0-20190314	3/14/2019	TO15VOL	108-88-3	Toluene	1.4	J	0.26	2.0	ppbv	J	sp	< PQL		
320483721	RISG-2-5.0-20190314	3/14/2019	TO15VOL	71-43-2	Benzene	0.48	J	0.40	2.0	ppbv	J	sp	< PQL		
320483721	RISG-2-5.0-20190314	3/14/2019	TO15VOL	100-41-4	Ethyl Benzene	0.34	J	0.32	2.0	ppbv	J	sp	< PQL		
320483721	RISG-2-5.0-20190314	3/14/2019	TO15VOL	67-64-1	Acetone	8.6	J	0.89	10	ppbv	J	sp	< PQL		
320483721	RISG-2-5.0-20190314	3/14/2019	TO15VOL	136777-61-2	m,p-xylene	1.3	J	0.50	4.0	ppbv	J	sp	< PQL		
320483721	RISG-2-5.0-20190314	3/14/2019	TO15VOL	95-63-6	1,2,4-Trimethylbenzene	0.95	J	0.81	4.0	ppbv	J	sp	< PQL		
320483721	RISG-2-5.0-20190314	3/14/2019	TO15VOL	541-73-1	1,3-Dichlorobenzene	0.72	J	0.55	2.0	ppbv	J	sp	< PQL		
320483721	RISG-2-5.0-20190314	3/14/2019	TO15VOL	95-47-6	ortho-xylene	0.54	J	0.27	2.0	ppbv	J	sp	< PQL		
320483721	RISG-2-5.0-20190314	3/14/2019	TO15VOL	75-71-8	Dichlorodifluoromethane	0.86	J	0.73	2.0	ppbv	J	sp	< PQL		
320483721	RISG-5-15.0-20190314	3/14/2019	TO15VOL	75-34-3	1,1-Dichloroethane	0.57	J	0.36	1.5	ppbv	J	sp	< PQL		
320483721	RISG-5-15.0-20190314	3/14/2019	TO15VOL	136777-61-2	m,p-xylene	0.71	J	0.50	4.0	ppbv	J	sp	< PQL		
320483721	RISG-5-15.0-20190314	3/14/2019	TO15VOL	95-47-6	ortho-xylene	0.33	J	0.27	2.0	ppbv	J	sp	< PQL		
320483721	RISG-5-15.0-20190314	3/14/2019	TO15VOL	75-15-0	Carbon Disulfide	1.9	J	0.39	4.0	ppbv	J	sp	< PQL		
320483721	RISG-5-15.0-20190314	3/14/2019	TO15VOL	75-35-4	1,1-Dichloroethene	1.9	J	0.36	4.0	ppbv	J	sp	< PQL		
320483721	RISG-5-15.0-20190314	3/14/2019	TO15VOL	75-71-8	Dichlorodifluoromethane	0.78	J	0.73	2.0	ppbv	J	sp	< PQL		
320483721	RISG-5-15.0-20190314	3/14/2019	TO15VOL	108-88-3	Toluene	0.45	J	0.26	2.0	ppbv	J	sp	< PQL		
320483721	RISG-5-15.0-20190314	3/14/2019	TO15VOL	67-64-1	Acetone	5.9	J	0.89	10	ppbv	J	sp	< PQL		
320483721	RISG-5-15.0-20190314	3/14/2019	TO15VOL	78-93-3	2-Butanone	1.9	J	1.0	4.0	ppbv	J	sp	< PQL		
320483721	RISG-5-15.0-20190314	3/14/2019	TO15VOL	56-23-5	Carbon Tetrachloride	0.47	J	0.32	4.0	ppbv	J	sp	< PQL		
320483721	RISG-7-10.0-20190314	3/14/2019	TO15VOL	108-88-3	Toluene	1.4	J	0.26	2.0	ppbv	J	sp	< PQL		
320483721	RISG-7-10.0-20190314	3/14/2019	TO15VOL	79-01-6	Trichloroethene	1.2	J	0.53	2.0	ppbv	J	sp	< PQL		
320483721	RISG-7-10.0-20190314	3/14/2019	TO15VOL	71-43-2	Benzene	0.53	J	0.40	2.0	ppbv	J	sp	< PQL		
320483721	RISG-7-10.0-20190314	3/14/2019	TO15VOL	75-71-8	Dichlorodifluoromethane	0.80	J	0.73	2.0	ppbv	J	sp	< PQL		
320483721	RISG-7-10.0-20190314	3/14/2019	TO15VOL	78-93-3	2-Butanone	2.9	J	1.0	4.0	ppbv	J	sp	< PQL		
320483721	RISG-7-10.0-20190314	3/14/2019	TO15VOL	75-09-2	Methylene Chloride	0.38	J	0.36	2.0	ppbv	J	sp	< PQL		
320483721	RISG-7-10.0-20190314	3/14/2019	TO15VOL	95-63-6	1,2,4-Trimethylbenzene	0.82	J	0.81	4.0	ppbv	J	sp	< PQL		
320483721	RISG-7-5.0-20190314	3/14/2019	TO15VOL	71-43-2	Benzene	0.51	J	0.40	2.0	ppbv	J	sp	< PQL		

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte ¹	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator ²	Qualification Finding	Acceptance Criteria
320483721	RISG-7-5.0-20190314	3/14/2019	TO15VOL	75-71-8	Dichlorodifluoromethane	0.74	J	0.73	2.0	ppbv	J	sp	< PQL		
320483721	RISG-7-5.0-20190314	3/14/2019	TO15VOL	78-93-3	2-Butanone	2.9	J	1.0	4.0	ppbv	J	sp	< PQL		
320483721	RISG-7-5.0-20190314	3/14/2019	TO15VOL	95-63-6	1,2,4-Trimethylbenzene	1.1	J	0.81	4.0	ppbv	J	sp	< PQL		
320483721	RISG-7-5.0-20190314	3/14/2019	TO15VOL	79-01-6	Trichloroethene	0.66	J	0.53	2.0	ppbv	J	sp	< PQL		
320483721	RISG-9-5.0-20190314	3/14/2019	TO15VOL	75-09-2	Methylene Chloride	1.1	J	0.36	2.0	ppbv	J	sp	< PQL		
320483721	RISG-9-5.0-20190314	3/14/2019	TO15VOL	108-88-3	Toluene	0.65	J	0.26	2.0	ppbv	J	sp	< PQL		
320483721	RISG-9-5.0-20190314	3/14/2019	TO15VOL	67-64-1	Acetone	6.4	J	0.89	10	ppbv	J	sp	< PQL		
320483721	RISG-9-5.0-20190314	3/14/2019	TO15VOL	79-01-6	Trichloroethene	1.7	J	0.53	2.0	ppbv	J	sp	< PQL		
320483721	RISG-9-5.0-20190314	3/14/2019	TO15VOL	75-71-8	Dichlorodifluoromethane	0.79	J	0.73	2.0	ppbv	J	sp	< PQL		
320483721	RISG-9-5.0-20190314	3/14/2019	TO15VOL	127-18-4	Tetrachloroethene	1.7	J	0.26	2.0	ppbv	J	sp	< PQL		
320483721	RISG-9-5.0-20190314	3/14/2019	TO15VOL	95-47-6	ortho-xylene	0.41	J	0.27	2.0	ppbv	J	sp	< PQL		
320483721	RISG-9-5.0-20190314	3/14/2019	TO15VOL	78-93-3	2-Butanone	1.1	J	1.0	4.0	ppbv	J	sp	< PQL		
320483721	RISG-9-5.0-20190314	3/14/2019	TO15VOL	136777-61-2	m,p-xylene	0.87	J	0.50	4.0	ppbv	J	sp	< PQL		
320483721	RISG-9-5.0-20190314-FD	3/14/2019	TO15VOL	78-93-3	2-Butanone	1.3	J	1.0	4.0	ppbv	J	sp	< PQL		
320483721	RISG-9-5.0-20190314-FD	3/14/2019	TO15VOL	75-15-0	Carbon Disulfide	3.6	J	0.39	4.0	ppbv	J	sp	< PQL		
320483721	RISG-9-5.0-20190314-FD	3/14/2019	TO15VOL	127-18-4	Tetrachloroethene	1.6	J	0.26	2.0	ppbv	J	sp	< PQL		
320483721	RISG-9-5.0-20190314-FD	3/14/2019	TO15VOL	136777-61-2	m,p-xylene	0.51	J	0.50	4.0	ppbv	J	sp	< PQL		
320483721	RISG-9-5.0-20190314-FD	3/14/2019	TO15VOL	75-71-8	Dichlorodifluoromethane	0.82	J	0.73	2.0	ppbv	J	sp	< PQL		
320483721	RISG-9-5.0-20190314-FD	3/14/2019	TO15VOL	67-64-1	Acetone	7.8	J	0.89	10	ppbv	J	sp	< PQL		
320483721	RISG-9-5.0-20190314-FD	3/14/2019	TO15VOL	108-88-3	Toluene	0.47	J	0.26	2.0	ppbv	J	sp	< PQL		
320483721	RISG-9-5.0-20190314-FD	3/14/2019	TO15VOL	79-01-6	Trichloroethene	1.8	J	0.53	2.0	ppbv	J	sp	< PQL		
320483721	RISG-9-5.0-20190314-FD	3/14/2019	TO15VOL	75-09-2	Methylene Chloride	1.2	J	0.36	2.0	ppbv	J	sp	< PQL		
320484121	RISG-27-15.0-20190315	3/15/2019	TO15VOL	75-35-4	1,1-Dichloroethene	0.41	J	0.36	4.0	ppbv	J	sp	< PQL		
320484121	RISG-27-15.0-20190315	3/15/2019	TO15VOL	87-68-3	Hexachlorobutadiene	3.6	J	2.2	10	ppbv	J	sp	< PQL		
320484121	RISG-27-15.0-20190315	3/15/2019	TO15VOL	71-43-2	Benzene	1.1	J	0.40	2.0	ppbv	J	sp	< PQL		
320484121	RISG-27-15.0-20190315	3/15/2019	TO15VOL	78-93-3	2-Butanone	3.7	J	1.0	4.0	ppbv	J	sp	< PQL		
320484121	RISG-27-15.0-20190315	3/15/2019	TO15VOL	100-41-4	Ethyl Benzene	0.83	J	0.32	2.0	ppbv	J	sp	< PQL		
320484121	RISG-27-15.0-20190315	3/15/2019	TO15VOL	108-88-3	Toluene	0.88	J	0.26	2.0	ppbv	J	sp	< PQL		
320484121	RISG-27-15.0-20190315	3/15/2019	TO15VOL	75-27-4	Bromodichloromethane	0.78	J	0.33	1.5	ppbv	J	sp	< PQL		
320484121	RISG-27-15.0-20190315	3/15/2019	TO15VOL	75-15-0	Carbon Disulfide	3.2	J	0.39	4.0	ppbv	J	sp	< PQL		
320484121	RISG-27-15.0-20190315	3/15/2019	TO15VOL	95-47-6	ortho-xylene	1.2	J	0.27	2.0	ppbv	J	sp	< PQL		
320484121	RISG-27-15.0-20190315	3/15/2019	TO15VOL	75-09-2	Methylene Chloride	1.0	J	0.36	2.0	ppbv	J	sp	< PQL		
320484121	RISG-27-15.0-20190315	3/15/2019	TO15VOL	136777-61-2	m,p-xylene	3.0	J	0.50	4.0	ppbv	J	sp	< PQL		
320484121	RISG-27-5.0-20190315	3/15/2019	TO15VOL	75-09-2	Methylene Chloride	0.58	J	0.36	2.0	ppbv	J	sp	< PQL		
320484121	RISG-27-5.0-20190315	3/15/2019	TO15VOL	95-47-6	ortho-xylene	0.59	J	0.27	2.0	ppbv	J	sp	< PQL		
320484121	RISG-27-5.0-20190315	3/15/2019	TO15VOL	136777-61-2	m,p-xylene	1.4	J	0.50	4.0	ppbv	J	sp	< PQL		
320484121	RISG-27-5.0-20190315	3/15/2019	TO15VOL	78-93-3	2-Butanone	1.7	J	1.0	4.0	ppbv	J	sp	< PQL		
320484121	RISG-27-5.0-20190315	3/15/2019	TO15VOL	75-71-8	Dichlorodifluoromethane	0.77	J	0.73	2.0	ppbv	J	sp	< PQL		
320484121	RISG-27-5.0-20190315	3/15/2019	TO15VOL	100-41-4	Ethyl Benzene	0.41	J	0.32	2.0	ppbv	J	sp	< PQL		
320484121	RISG-27-5.0-20190315	3/15/2019	TO15VOL	71-43-2	Benzene	0.42	J	0.40	2.0	ppbv	J	sp	< PQL		
320484121	RISG-27-5.0-20190315	3/15/2019	TO15VOL	108-88-3	Toluene	1.3	J	0.26	2.0	ppbv	J	sp	< PQL		
320484121	RISG-30-10.0-20190315	3/15/2019	TO15VOL	75-09-2	Methylene Chloride	3.3	J	0.83	4.6	ppbv	J	sp	< PQL		
320484121	RISG-30-10.0-20190315	3/15/2019	TO15VOL	67-64-1	Acetone	15	J	2.0	23	ppbv	J	sp	< PQL		
320484121	RISG-30-10.0-20190315	3/15/2019	TO15VOL	71-43-2	Benzene	1.7	J	0.91	4.6	ppbv	J	sp	< PQL		
320484121	RISG-30-10.0-20190315	3/15/2019	TO15VOL	108-88-3	Toluene	0.60	J	0.59	4.6	ppbv	J	sp	< PQL		
320484121	RISG-30-10.0-20190315	3/15/2019	TO15VOL	75-35-4	1,1-Dichloroethene	1.3	J	0.83	9.2	ppbv	J	sp	< PQL		
320484121	RISG-30-5.0-20190315	3/15/2019	TO15VOL	108-88-3	Toluene	1.8	J	0.26	2.0	ppbv	J	sp	< PQL		
320484121	RISG-30-5.0-20190315	3/15/2019	TO15VOL	136777-61-2	m,p-xylene	1.2	J	0.50	4.0	ppbv	J	sp	< PQL		
320484121	RISG-30-5.0-20190315	3/15/2019	TO15VOL	95-47-6	ortho-xylene	0.51	J	0.27	2.0	ppbv	J	sp	< PQL		
320484121	RISG-30-5.0-20190315	3/15/2019	TO15VOL	75-15-0	Carbon Disulfide	2.9	J	0.39	4.0	ppbv	J	sp	< PQL		
320484121	RISG-30-5.0-20190315	3/15/2019	TO15VOL	75-35-4	1,1-Dichloroethene	1.4	J	0.36	4.0	ppbv	J	sp	< PQL		
320484121	RISG-30-5.0-20190315	3/15/2019	TO15VOL	75-27-4	Bromodichloromethane	0.87	J	0.33	1.5	ppbv	J	sp	< PQL		
320484121	RISG-30-5.0-20190315	3/15/2019	TO15VOL	75-71-8	Dichlorodifluoromethane	0.75	J	0.73	2.0	ppbv	J	sp	< PQL		
320484121	RISG-30-5.0-20190315	3/15/2019	TO15VOL	56-23-5	Carbon Tetrachloride	0.35	J	0.32	4.0	ppbv	J	sp	< PQL		
320484121	RISG-30-5.0-20190315	3/15/2019	TO15VOL	107-06-2	1,2-Dichloroethane	0.53	J	0.44	4.0	ppbv	J	sp	< PQL		
320484121	RISG-30-5.0-20190315	3/15/2019	TO15VOL	108-90-7	Chlorobenzene	0.50	J	0.32	1.5	ppbv	J	sp	< PQL		

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte ¹	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator ²	Qualification Finding	Acceptance Criteria
320484121	RISG-30-5.0-20190315	3/15/2019	TO15VOL	78-93-3	2-Butanone	2.5	J	1.0	4.0	ppbv	J+	c,sp	CCV %D; < PQL	31.7	30 %
320484121	RISG-30-5.0-20190315	3/15/2019	TO15VOL	100-41-4	Ethyl Benzene	0.33	J	0.32	2.0	ppbv	J	sp	< PQL		
320484121	RISG-3-15.0-20190315	3/15/2019	TO15VOL	75-15-0	Carbon Disulfide	6.0	J	0.97	9.9	ppbv	J	sp	< PQL		
320484121	RISG-3-15.0-20190315	3/15/2019	TO15VOL	75-34-3	1,1-Dichloroethane	1.1	J	0.89	3.7	ppbv	J	sp	< PQL		
320484121	RISG-3-15.0-20190315	3/15/2019	TO15VOL	100-41-4	Ethyl Benzene	1.6	J	0.78	5.0	ppbv	J	sp	< PQL		
320484121	RISG-3-15.0-20190315	3/15/2019	TO15VOL	67-64-1	Acetone	14	J	2.2	25	ppbv	J	sp	< PQL		
320484121	RISG-3-15.0-20190315	3/15/2019	TO15VOL	56-23-5	Carbon Tetrachloride	5.9	J	0.79	9.9	ppbv	J	sp	< PQL		
320484121	RISG-3-15.0-20190315	3/15/2019	TO15VOL	136777-61-2	m,p-xylene	7.4	J	1.2	9.9	ppbv	J	sp	< PQL		
320484121	RISG-3-15.0-20190315	3/15/2019	TO15VOL	95-47-6	ortho-xylene	3.2	J	0.67	5.0	ppbv	J	sp	< PQL		
320484121	RISG-3-15.0-20190315	3/15/2019	TO15VOL	78-93-3	2-Butanone	3.9	J	2.5	9.9	ppbv	J+	c,sp	CCV %D; < PQL	31.7	30 %
320484121	RISG-3-5.0-20190315	3/15/2019	TO15VOL	56-23-5	Carbon Tetrachloride	1.8	J	0.65	8.1	ppbv	J	sp	< PQL		
320484121	RISG-3-5.0-20190315	3/15/2019	TO15VOL	75-35-4	1,1-Dichloroethene	3.1	J	0.73	8.1	ppbv	J	sp	< PQL		
320484121	RISG-3-5.0-20190315	3/15/2019	TO15VOL	67-64-1	Acetone	4.1	J	1.8	20	ppbv	J	sp	< PQL		
320486421	RISG-13-15.0-20190322	3/22/2019	TO15VOL	75-09-2	Methylene Chloride	5.4	JB	4.6	25	ppbv	J	bl,sp	MB contamination; < PQL	0.530	13.462 ppbv
320486421	RISG-13-15.0-20190322	3/22/2019	TO15VOL	127-18-4	Tetrachloroethene	3.4	J	3.2	25	ppbv	J	sp	< PQL		
320486421	RISG-13-15.0-20190322	3/22/2019	TO15VOL	79-01-6	Trichloroethene	6.7	J	6.7	25	ppbv	J	sp	< PQL		
320486421	RISG-13-5.0-20190322	3/22/2019	TO15VOL	79-01-6	Trichloroethene	2.6	J	2.2	8.3	ppbv	J	sp	< PQL		
320486421	RISG-13-5.0-20190322	3/22/2019	TO15VOL	127-18-4	Tetrachloroethene	1.3	J	1.1	8.3	ppbv	J	sp	< PQL		
320486421	RISG-13-5.0-20190322	3/22/2019	TO15VOL	75-09-2	Methylene Chloride	1.9	JB	1.5	8.3	ppbv	J	bl,sp	MB contamination; < PQL	0.530	4.3884 ppbv
320486421	RISG-13-5.0-20190322	3/22/2019	TO15VOL	56-23-5	Carbon Tetrachloride	1.8	J	1.3	17	ppbv	J	sp	< PQL		
320486421	RISG-13-5.0-20190322	3/22/2019	TO15VOL	67-64-1	Acetone	5.1	J	3.7	41	ppbv	J	sp	< PQL		
320486421	RISG-13-5.0-20190322	3/22/2019	TO15VOL	108-88-3	Toluene	1.1	J	1.1	8.3	ppbv	J	sp	< PQL		
320486421	RISG-22-15.0-20190322	3/22/2019	TO15VOL	127-18-4	Tetrachloroethene	4.5	J	3.5	28	ppbv	J	sp	< PQL		
320486421	RISG-22-15.0-20190322	3/22/2019	TO15VOL	75-35-4	1,1-Dichloroethene	9.4	JB	5.0	55	ppbv	J	bl,sp	MB contamination; < PQL	0.459	12.6684 ppbv
320486421	RISG-22-15.0-20190322	3/22/2019	TO15VOL	56-23-5	Carbon Tetrachloride	5.1	J	4.4	55	ppbv	J	sp	< PQL		
320486421	RISG-22-15.0-20190322	3/22/2019	TO15VOL	67-64-1	Acetone	13	J	12	140	ppbv	J	sp	< PQL		
320486421	RISG-22-5.0-20190322	3/22/2019	TO15VOL	75-15-0	Carbon Disulfide	3.2	J	1.9	20	ppbv	J	sp	< PQL		
320486421	RISG-22-5.0-20190322	3/22/2019	TO15VOL	127-18-4	Tetrachloroethene	2.0	J	1.3	9.8	ppbv	J	sp	< PQL		
320486421	RISG-22-5.0-20190322	3/22/2019	TO15VOL	75-35-4	1,1-Dichloroethene	6.4	JB	1.8	20	ppbv	J	sp	< PQL		
320486421	RISG-22-5.0-20190322	3/22/2019	TO15VOL	75-09-2	Methylene Chloride	1.8	JB	1.8	9.8	ppbv	J	bl,sp	MB contamination; < PQL	0.530	5.2152 ppbv
320486421	RISG-22-5.0-20190322	3/22/2019	TO15VOL	56-23-5	Carbon Tetrachloride	3.6	J	1.6	20	ppbv	J	sp	< PQL		
320486421	RISG-6-15.0-20190322	3/22/2019	TO15VOL	79-01-6	Trichloroethene	8.2	J	7.7	29	ppbv	J	sp	< PQL		
320486421	RISG-6-15.0-20190322	3/22/2019	TO15VOL	75-35-4	1,1-Dichloroethene	35	JB	5.3	58	ppbv	J	sp	< PQL		
320486421	RISG-6-15.0-20190322	3/22/2019	TO15VOL	75-34-3	1,1-Dichloroethane	5.3	J	5.3	22	ppbv	J	sp	< PQL		
320486421	RISG-6-15.0-20190322	3/22/2019	TO15VOL	75-09-2	Methylene Chloride	6.8	JB	5.3	29	ppbv	J	bl,sp	MB contamination; < PQL	0.530	15.476 ppbv
320486421	RISG-6-15.0-20190322-FD	3/22/2019	TO15VOL	75-35-4	1,1-Dichloroethene	37	JB	5.4	60	ppbv	J	sp	< PQL		
320486421	RISG-6-15.0-20190322-FD	3/22/2019	TO15VOL	75-09-2	Methylene Chloride	6.6	JB	5.4	30	ppbv	J	bl,sp	MB contamination; < PQL	0.530	16.006 ppbv
320486421	RISG-6-15.0-20190322-FD	3/22/2019	TO15VOL	75-34-3	1,1-Dichloroethane	5.4	J	5.4	23	ppbv	J	sp	< PQL		
320486421	RISG-6-15.0-20190322-FD	3/22/2019	TO15VOL	79-01-6	Trichloroethene	9.6	J	7.9	30	ppbv	J	sp	< PQL		
320486421	RISG-6-5.0-20190322	3/22/2019	TO15VOL	75-35-4	1,1-Dichloroethene	17	JB	4.3	48	ppbv	J	sp	< PQL		
320486421	RISG-6-5.0-20190322	3/22/2019	TO15VOL	108-88-3	Toluene	3.9	J	3.0	24	ppbv	J	sp	< PQL		
320486421	RISG-6-5.0-20190322	3/22/2019	TO15VOL	56-23-5	Carbon Tetrachloride	33	J	3.8	48	ppbv	J	sp	< PQL		
320486421	RISG-6-5.0-20190322	3/22/2019	TO15VOL	75-09-2	Methylene Chloride	4.7	JB	4.3	24	ppbv	J	bl,sp	MB contamination; < PQL	0.530	12.614 ppbv
320486421	RISG-8-5.0-20190321	3/21/2019	TO15VOL	100-41-4	Ethyl Benzene	1.3	J	0.32	2.0	ppbv	J	sp	< PQL		
320486421	RISG-8-5.0-20190321	3/21/2019	TO15VOL	67-64-1	Acetone	4.3	J	0.89	10	ppbv	J	sp	< PQL		
320486421	RISG-8-5.0-20190321	3/21/2019	TO15VOL	75-71-8	Dichlorodifluoromethane	1.3	JB	0.73	2.0	ppbv	J	bl,sp	MB contamination; < PQL	1.13	2.26 ppbv
320486421	RISG-8-5.0-20190321	3/21/2019	TO15VOL	78-93-3	2-Butanone	3.3	J	1.0	4.0	ppbv	J	sp	< PQL		
320486421	RISG-8-5.0-20190321	3/21/2019	TO15VOL	136777-61-2	m,p-xylene	0.77	J	0.50	4.0	ppbv	J	sp	< PQL		
320486421	RISG-8-5.0-20190321	3/21/2019	TO15VOL	75-09-2	Methylene Chloride	0.57	JB	0.36	2.0	ppbv	J	bl,sp	MB contamination; < PQL	0.530	1.06 ppbv
320486421	RISG-8-5.0-20190321	3/21/2019	TO15VOL	75-35-4	1,1-Dichloroethene	0.48	JB	0.36	4.0	ppbv	J	bl,sp	MB contamination; < PQL	0.459	0.918 ppbv
320486421	RISG-8-5.0-20190321	3/21/2019	TO15VOL	75-01-4	Vinyl Chloride	0.63	JB	0.60	2.0	ppbv	J	bl,sp	MB contamination; < PQL	0.824	1.648 ppbv
320486421	RISG-8-5.0-20190321	3/21/2019	TO15VOL	71-43-2	Benzene	1.2	J	0.40	2.0	ppbv	J	sp	< PQL		
320486421	RISG-8-5.0-20190321	3/21/2019	TO15VOL	75-15-0	Carbon Disulfide	3.9	J	0.39	4.0	ppbv	J	sp	< PQL		
4402207711	RISB-EJ-02-1.0-20180924	9/24/2018	SW8270	110-86-1	Pyridine		U*	0.15	0.35	mg/kg	UJ	I	LCS %R	15	21-76 %
4402207711	RISB-EJ-02-1.0-20180924	9/24/2018	SW8270	621-64-7	N-Nitroso-di-n-propylamine		U	0.071	0.25	mg/kg	UJ	c	CCV %D	23.7	20 %
4402207711	RISB-EJ-02-10.0-20180924	9/24/2018	SW8270	110-86-1	Pyridine		U*	0.16	0.36	mg/kg	UJ	I	LCS %R	15	21-76 %

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte ¹	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator ²	Qualification Finding	Acceptance Criteria
4402207711	RISB-EJ-02-10.0-20180924	9/24/2018	SW8270	99-09-2	3-Nitroaniline		U	0.14	0.35	mg/kg	UJ	c	ICV %D	21.4	20 %
4402207711	RISB-EJ-02-10.0-20180924	9/24/2018	SW8270	100-51-6	Benzyl Alcohol		U	0.44	3.6	mg/kg	UJ	c	CCV %D	49.0	20 %
4402207711	RISB-EJ-02-10.0-20180924	9/24/2018	SW8270	106-47-8	4-Chloroaniline		U	0.16	1.1	mg/kg	UJ	c	ICV %D	24.3	20 %
4402207711	RISB-ER-02-1.0-20180924	9/24/2018	SW8270	106-47-8	4-Chloroaniline		U	0.15	1.0	mg/kg	UJ	c	ICV %D	24.3	20 %
4402207711	RISB-ER-02-1.0-20180924	9/24/2018	SW8270	100-51-6	Benzyl Alcohol		U	0.42	3.5	mg/kg	UJ	c	CCV %D	49.0	20 %
4402207711	RISB-ER-02-1.0-20180924	9/24/2018	SW8270	99-09-2	3-Nitroaniline		U	0.14	0.34	mg/kg	UJ	c	ICV %D	21.4	20 %
4402207711	RISB-ER-02-1.0-20180924	9/24/2018	SW8270	110-86-1	Pyridine		U*	0.15	0.35	mg/kg	UJ	l	LCS %R	15	21-76 %
4402207711	RISB-ER-02-10.0-20180924	9/24/2018	SW8270	110-86-1	Pyridine		U*	0.16	0.37	mg/kg	UJ	l	LCS %R	15	21-76 %
4402207711	RISB-ER-02-10.0-20180924	9/24/2018	SW8270	106-47-8	4-Chloroaniline		U	0.16	1.1	mg/kg	UJ	c	ICV %D	24.3	20 %
4402207711	RISB-ER-02-10.0-20180924	9/24/2018	SW8270	100-51-6	Benzyl Alcohol		U	0.44	3.7	mg/kg	UJ	c	CCV %D	49.0	20 %
4402207711	RISB-ER-02-10.0-20180924	9/24/2018	SW8270	99-09-2	3-Nitroaniline		U	0.14	0.35	mg/kg	UJ	c	ICV %D	21.4	20 %
4402208431	RISB-EJ-03-1.0-20180925	9/25/2018	SW8270	621-64-7	N-Nitroso-di-n-propylamine		U	0.072	0.26	mg/kg	UJ	c	CCV %D	23.7	20 %
4402208431	RISB-EJ-03-1.0-20180925	9/25/2018	SW8270	110-86-1	Pyridine		U*	0.15	0.35	mg/kg	UJ	l	LCS %R	15	21-76 %
4402208431	RISB-EJ-03-1.0-20180925-FD	9/25/2018	SW8270	110-86-1	Pyridine		U*	0.15	0.35	mg/kg	UJ	l	LCS %R	15	21-76 %
4402208431	RISB-EJ-03-1.0-20180925-FD	9/25/2018	SW8270	621-64-7	N-Nitroso-di-n-propylamine		U	0.072	0.26	mg/kg	UJ	c	CCV %D	23.7	20 %
4402208431	RISB-EJ-03-10.0-20180925	9/25/2018	SW8270	621-64-7	N-Nitroso-di-n-propylamine		U	0.075	0.27	mg/kg	UJ	c	CCV %D	23.7	20 %
4402208431	RISB-EJ-03-10.0-20180925	9/25/2018	SW8270	110-86-1	Pyridine		U*	0.16	0.37	mg/kg	UJ	l	LCS %R	15	21-76 %
4402208431	RISB-EJ-04-1.0-20180925	9/25/2018	SW8270	65-85-0	Benzoic Acid		UF2	0.50	1.0	mg/kg	UJ	c	cCV %D	20.1	20 %
4402208431	RISB-EJ-04-1.0-20180925	9/25/2018	SW8270	110-86-1	Pyridine		U*F1F2	0.16	0.36	mg/kg	UJ	m	MS/MSD %R	23,-	25-130 %
4402208431	RISB-EJ-04-1.0-20180925	9/25/2018	SW8270	99-09-2	3-Nitroaniline		U	0.14	0.35	mg/kg	UJ	c	ICV %D	21.4	20 %
4402208431	RISB-EJ-04-1.0-20180925	9/25/2018	SW8270	100-51-6	Benzyl Alcohol		U	0.44	3.6	mg/kg	UJ	c	CCV %D	41.9	20 %
4402208431	RISB-EJ-04-1.0-20180925	9/25/2018	SW8270	106-47-8	4-Chloroaniline		U	0.16	1.1	mg/kg	UJ	c	ICV %D	24.3	20 %
4402208431	RISB-EJ-04-1.0-20180925	9/25/2018	SW8270	62-53-3	Aniline		U*F1F2	0.15	1.1	mg/kg	UJ	m	MS/MSD %R	19,-	25-120 %
4402208431	RISB-EJ-04-10.0-20180925	9/25/2018	SW8270	110-86-1	Pyridine		U*	0.17	0.39	mg/kg	UJ	l	LCS %R	15	21-76 %
4402208431	RISB-EJ-04-10.0-20180925	9/25/2018	SW8270	621-64-7	N-Nitroso-di-n-propylamine		U	0.081	0.29	mg/kg	UJ	c	CCV %D	23.7	20 %
4402208431	RISB-ER-01-1.0-20180925	9/25/2018	SW8270	110-86-1	Pyridine		U*	0.16	0.35	mg/kg	UJ	l	LCS %R	15	21-76 %
4402208431	RISB-ER-01-1.0-20180925	9/25/2018	SW8270	621-64-7	N-Nitroso-di-n-propylamine		U	0.073	0.26	mg/kg	UJ	c	CCV %D	23.7	20 %
4402208431	RISB-ER-01-10.0-20180925	9/25/2018	SW8270	110-86-1	Pyridine		U*	0.16	0.37	mg/kg	UJ	l	LCS %R	15	21-76 %
4402208431	RISB-ER-03-1.0-20180925	9/25/2018	SW8270	621-64-7	N-Nitroso-di-n-propylamine		U	0.072	0.26	mg/kg	UJ	c	CCV %D	23.7	20 %
4402208431	RISB-ER-03-1.0-20180925	9/25/2018	SW8270	110-86-1	Pyridine		U*	0.15	0.35	mg/kg	UJ	l	LCS %R	15	21-76 %
4402208431	RISB-ER-03-10.0-20180925	9/25/2018	SW8270	110-86-1	Pyridine		U*	0.16	0.37	mg/kg	UJ	l	LCS %R	15	21-76 %
4402208431	RISB-ER-03-10.0-20180925	9/25/2018	SW8270	621-64-7	N-Nitroso-di-n-propylamine		U	0.077	0.27	mg/kg	UJ	c	CCV %D	23.7	20 %
4402209511	RISB-EJ-01-1.0-20180926	9/26/2018	SW8270	106-47-8	4-Chloroaniline		U	0.15	1.0	mg/kg	UJ	c	ICV %D	24.3	20 %
4402209511	RISB-EJ-01-1.0-20180926	9/26/2018	SW8270	100-51-6	Benzyl Alcohol		U	0.42	3.5	mg/kg	UJ	c	CCV %D	63.7	20 %
4402209511	RISB-EJ-01-1.0-20180926	9/26/2018	SW8270	99-09-2	3-Nitroaniline		U	0.14	0.34	mg/kg	UJ	c	ICV %D	21.4	20 %
4402209511	RISB-EJ-01-10.0-20180926	9/26/2018	SW8270	100-51-6	Benzyl Alcohol		U	0.44	3.6	mg/kg	UJ	c	CCV %D	63.7	20 %
4402209511	RISB-EJ-01-10.0-20180926	9/26/2018	SW8270	99-09-2	3-Nitroaniline		U	0.14	0.35	mg/kg	UJ	c	ICV %D	21.4	20 %
4402209511	RISB-EJ-01-10.0-20180926	9/26/2018	SW8270	106-47-8	4-Chloroaniline		U	0.16	1.1	mg/kg	UJ	c	ICV %D	24.3	20 %
4402275491	RIDB-34-1-20181212	12/12/2018	SW8270	106-47-8	4-Chloroaniline		U	0.16	1.1	mg/kg	UJ	c	ICV %D	32.1	20 %
4402275491	RIDB-34-5-20181212	12/12/2018	SW8270	106-47-8	4-Chloroaniline		U	0.17	1.1	mg/kg	UJ	c	ICV %D	32.1	20 %
4402275491	RIDB-35-10-20181212	12/12/2018	SW8270	106-47-8	4-Chloroaniline		U	0.17	1.1	mg/kg	UJ	c	ICV %D	32.1	20 %
4402275491	RIDB-35-1-20181212	12/12/2018	SW8270	99-09-2	3-Nitroaniline		U	0.14	0.35	mg/kg	UJ	c	ICV %D	21.4	20 %
4402275491	RIDB-35-1-20181212	12/12/2018	SW8270	106-47-8	4-Chloroaniline		U	0.16	1.1	mg/kg	UJ	c	ICV %D	27.9	20 %
4402275491	RIDB-35-1-20181212	12/12/2018	SW8270	92-87-5	Benzidine		U	0.18	2.2	mg/kg	UJ	c,m	ICV %D; MS/MSD %R	40.3; 7.9	20; 20-120 %
4402275491	RIDB-35-20-20181212	12/12/2018	SW8270	106-47-8	4-Chloroaniline		U	0.16	1.1	mg/kg	UJ	c	ICV %D	32.1	20 %
4402275491	RIDB-35-30-20181212	12/12/2018	SW8270	106-47-8	4-Chloroaniline		U	0.24	1.6	mg/kg	UJ	c	ICV %D	32.1	20 %
4402275491	RIDB-35-5-20181212	12/12/2018	SW8270	106-47-8	4-Chloroaniline		U	0.16	1.1	mg/kg	UJ	c	ICV %D	32.1	20 %
4402276791	RIDB-34-10-20181213	12/13/2018	SW8270	106-47-8	4-Chloroaniline		U	0.16	1.1	mg/kg	UJ	c	ICV %D	32.1	20 %
4402276791	RIDB-34-20-20181213	12/13/2018	SW8270	106-47-8	4-Chloroaniline		U	0.17	1.2	mg/kg	UJ	c	ICV %D	32.1	20 %
4402276791	RIDB-34-30-20181213	12/13/2018	SW8270	106-47-8	4-Chloroaniline		U	0.21	1.4	mg/kg	UJ	c	ICV %D	32.1	20 %
4402276791	RIDB-36-10-20181213	12/13/2018	SW8270	106-47-8	4-Chloroaniline		U	0.17	1.1	mg/kg	UJ	c	ICV %D	32.1	20 %
4402276791	RIDB-36-1-20181213	12/13/2018	SW8270	106-47-8	4-Chloroaniline		U	0.16	1.0	mg/kg	UJ	c	ICV %D	32.1	20 %
4402276791	RIDB-36-20-20181213	12/13/2018	SW8270	106-47-8	4-Chloroaniline		U	0.17	1.1	mg/kg	UJ	c	ICV %D	32.1	20 %
4402276791	RIDB-36-30-20181213	12/13/2018	SW8270	106-47-8	4-Chloroaniline		U	0.22	1.4	mg/kg	UJ	c	ICV %D	32.1	20 %
4402276791	RIDB-36-5-20181213	12/13/2018	SW8270	106-47-8	4-Chloroaniline		U	0.16	1.1	mg/kg	UJ	c	ICV %D	32.1	20 %
4402208431	RISB-EJ-04-1.0-20180925	9/25/2018	SW8270CSIM	91-20-3	Naphthalene	0.0051	J	0.0043	0.032	mg/kg	J	sp	< PQL		

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte ¹	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator ²	Qualification Finding	Acceptance Criteria
4402207711	RISB-EJ-02-1.0-20180924	9/24/2018	SW8081	72-55-9	4,4'-DDE	0.0024	J	0.0015	0.0051	mg/kg	J	sp	< PQL		
4402207711	RISB-ER-02-1.0-20180924	9/24/2018	SW8081	319-85-7	beta-BHC	0.0099	F1	0.0015	0.0051	mg/kg	J+	m	MS/MSD %R	139,-	40-120 %
4402207711	RISB-ER-02-1.0-20180924	9/24/2018	SW8081	72-55-9	4,4'-DDE	0.0024	J	0.0015	0.0051	mg/kg	J	sp	< PQL		
4402208431	RISB-EJ-03-1.0-20180925-FD	9/25/2018	SW8081	319-85-7	beta-BHC	0.0018	J	0.0015	0.0051	mg/kg	J	sp	< PQL		
4402208431	RISB-EJ-04-1.0-20180925	9/25/2018	SW8081	3424-82-6	2,4'-DDE	0.0025	J	0.0016	0.0053	mg/kg	J	sp	< PQL		
4402208431	RISB-EJ-04-1.0-20180925	9/25/2018	SW8081	50-29-3	4,4'-DDT	0.0035	J	0.0016	0.0053	mg/kg	J	sp	< PQL		
4402208431	RISB-EJ-04-10.0-20180925	9/25/2018	SW8081	319-84-6	alpha-BHC	0.0030	J	0.0017	0.0058	mg/kg	J	sp	< PQL		
4402208431	RISB-ER-01-1.0-20180925	9/25/2018	SW8081	319-85-7	beta-BHC	0.0017	J	0.0016	0.0052	mg/kg	J	sp	< PQL		
4402275491	RIDB-34-1-20181212	12/12/2018	SW8081	50-29-3	4,4'-DDT	0.0032	J	0.0016	0.0053	mg/kg	J	sp	< PQL		
4402275491	RIDB-34-1-20181212	12/12/2018	SW8081	72-55-9	4,4'-DDE	0.0040	J	0.0016	0.0053	mg/kg	J	sp	< PQL		
4402275491	RIDB-34-1-20181212	12/12/2018	SW8081	3424-82-6	2,4'-DDE	0.0030	J	0.0016	0.0053	mg/kg	J	sp	< PQL		
4402275491	RIDB-35-1-20181212	12/12/2018	SW8081	319-85-7	beta-BHC	0.0019	J	0.0016	0.0052	mg/kg	J	sp	< PQL		
4402276791	RIDB-36-5-20181213	12/13/2018	SW8081	50-29-3	4,4'-DDT	0.0044	J	0.0016	0.0052	mg/kg	J	sp	< PQL		
4402207711	RISB-EJ-02-1.0-20180924	9/24/2018	SW8015	C23-C40	Petroleum Hydrocarbons C23 - C40	3.1	J	2.5	5.1	mg/kg	J	sp	< PQL		
4402207711	RISB-ER-02-1.0-20180924	9/24/2018	SW8015	C23-C40	Petroleum Hydrocarbons C23 - C40	2.6	J	2.6	5.2	mg/kg	J	sp	< PQL		
4402208431	RISB-EJ-03-1.0-20180925	9/25/2018	SW8015	C23-C40	Petroleum Hydrocarbons C23 - C40	3.1	J	2.6	5.1	mg/kg	J	sp	< PQL		
4402208431	RISB-EJ-04-1.0-20180925	9/25/2018	SW8015	C23-C40	Petroleum Hydrocarbons C23 - C40	2.7	J	2.7	5.3	mg/kg	J	sp	< PQL		
4402208431	RISB-ER-01-1.0-20180925	9/25/2018	SW8015	C23-C40	Petroleum Hydrocarbons C23 - C40	3.6	J	2.6	5.2	mg/kg	J	sp	< PQL		
4402208431	RISB-ER-03-1.0-20180925	9/25/2018	SW8015	C23-C40	Petroleum Hydrocarbons C23 - C40	4.0	J	2.6	5.1	mg/kg	J	sp	< PQL		
4402207712	RISB-EJ-02-1.0-20180924	9/24/2018	SW8141A	60-51-5	Dimethoate		U*	0.0070	0.022	mg/kg	UJ	l	LCS %R	22	53-115 %
4402207712	RISB-EJ-02-10.0-20180924	9/24/2018	SW8141A	60-51-5	Dimethoate		U*	0.0072	0.022	mg/kg	UJ	l	LCS %R	22	53-115 %
4402207712	RISB-ER-02-1.0-20180924	9/24/2018	SW8141A	60-51-5	Dimethoate		U*	0.0069	0.022	mg/kg	UJ	l	LCS %R	22	53-115 %
4402207712	RISB-ER-02-10.0-20180924	9/24/2018	SW8141A	60-51-5	Dimethoate		U*	0.0072	0.022	mg/kg	UJ	l	LCS %R	22	53-115 %
4402208432	RISB-EJ-03-1.0-20180925	9/25/2018	SW8141A	60-51-5	Dimethoate		U*	0.0073	0.023	mg/kg	UJ	l	LCS %R	22	53-115 %
4402208432	RISB-EJ-03-1.0-20180925-FD	9/25/2018	SW8141A	60-51-5	Dimethoate		U*	0.0073	0.023	mg/kg	UJ	l	LCS %R	22	53-115 %
4402208432	RISB-EJ-03-10.0-20180925	9/25/2018	SW8141A	60-51-5	Dimethoate		U*	0.0075	0.023	mg/kg	UJ	l	LCS %R	22	53-115 %
4402208432	RISB-EJ-04-1.0-20180925	9/25/2018	SW8141A	60-51-5	Dimethoate		U*F1F2	0.0072	0.022	mg/kg	UJ	m,l	MS/MSD %R; LCS %R	32,-; 22	53-115 %
4402208432	RISB-EJ-04-10.0-20180925	9/25/2018	SW8141A	60-51-5	Dimethoate		U*	0.0080	0.025	mg/kg	UJ	l	LCS %R	22	53-115 %
4402208432	RISB-EJ-04-10.0-20180925	9/25/2018	SW8141A	139-40-2	Propazine	0.014	J	0.0098	0.076	mg/kg	J	sp	< PQL		
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	SW8141A	60-51-5	Dimethoate		U*	0.0070	0.022	mg/kg	UJ	l	LCS %R	22	53-115 %
4402208432	RISB-ER-01-10.0-20180925	9/25/2018	SW8141A	60-51-5	Dimethoate		U*	0.0075	0.023	mg/kg	UJ	l	LCS %R	22	53-115 %
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	SW8141A	60-51-5	Dimethoate		U*	0.0071	0.022	mg/kg	UJ	l	LCS %R	22	53-115 %
4402208432	RISB-ER-03-10.0-20180925	9/25/2018	SW8141A	60-51-5	Dimethoate		U*	0.0076	0.024	mg/kg	UJ	l	LCS %R	22	53-115 %
4402209512	RISB-EJ-01-1.0-20180926	9/26/2018	SW8141A	60-51-5	Dimethoate		U*	0.0068	0.021	mg/kg	UJ	l	LCS %R	22	53-115 %
4402209512	RISB-EJ-01-10.0-20180926	9/26/2018	SW8141A	60-51-5	Dimethoate		U*	0.0075	0.023	mg/kg	UJ	l	LCS %R	22	53-115 %
4402088642	M-224R-20180413	4/13/2018	SW8290	57117-31-4	2,3,4,7,8-Pentachlorodibenzofuran	18	J	0.57	49	pg/l	J	sp	< PQL		
4402088642	M-224R-20180413	4/13/2018	SW8290	39001-02-0	Octachlorodibenzofuran	17	J	0.31	98	pg/l	J	sp	< PQL		
4402088642	M-224R-20180413	4/13/2018	SW8290	67562-39-4	1,2,3,4,6,7,8-Heptachlorodibenzofuran	2.2	JB	0.47	49	pg/l	J	sp	< PQL		
4402088642	M-224R-20180413	4/13/2018	SW8290	37871-00-4	HpCDD (total)	2.0	JqB	0.28	49	pg/l	J	bl,k,sp	MB contamination; EMPC; < PQL	1.31	6.55 pg/l
4402088642	M-224R-20180413	4/13/2018	SW8290	34465-46-8	HxCDD (total)	2.2	JqB	0.35	49	pg/l	J	bl,k,sp	MB contamination; EMPC; < PQL	1.40	7 pg/l
4402088642	M-224R-20180413	4/13/2018	SW8290	70648-26-9	1,2,3,4,7,8-Hexachlorodibenzofuran	10	J	0.43	49	pg/l	J	sp	< PQL		
4402088642	M-224R-20180413	4/13/2018	SW8290	30402-15-4	PeCDF (total)	41	Jq	0.56	49	pg/l	J	k,sp	EMPC; < PQL		
4402088642	M-224R-20180413	4/13/2018	SW8290	55684-94-1	HxCDF (total)	14	J	0.41	49	pg/l	J	sp	< PQL		
4402088642	M-224R-20180413	4/13/2018	SW8290	35822-46-9	1,2,3,4,6,7,8-HpCDD	0.86	JqB	0.28	49	pg/l	J	bl,k,sp	MB contamination; EMPC; < PQL	0.649	3.245 pg/l
4402088642	M-224R-20180413	4/13/2018	SW8290	39227-28-6	1,2,3,4,7,8-HxCDD	1.2	JB	0.40	49	pg/l	J	bl,sp	MB contamination; < PQL	1.40	7 pg/l
4402088642	M-224R-20180413	4/13/2018	SW8290	38998-75-3	HpCDF (total)	6.9	JqB	0.53	49	pg/l	J	k,sp	EMPC; < PQL		
4402088642	M-224R-20180413	4/13/2018	SW8290	3268-87-9	Octachlorodibenzo-p-dioxin	2.7	JqB	0.27	98	pg/l	J	bl,k,sp	MB contamination; EMPC; < PQL	2.69	13.45 pg/l
4402088642	M-224R-20180413	4/13/2018	SW8290	57117-44-9	1,2,3,6,7,8-Hexachlorodibenzofuran	2.0	J	0.37	49	pg/l	J	sp	< PQL		
4402088642	M-224R-20180413	4/13/2018	SW8290	55673-89-7	1,2,3,4,7,8,9-Heptachlorodibenzofuran	2.4	Jq	0.58	49	pg/l	J	k,sp	EMPC; < PQL		
4402088642	M-224R-20180413	4/13/2018	SW8290	36088-22-9	PeCDD (total)	2.0	Jq	0.63	49	pg/l	J	k,sp	EMPC; < PQL		
4402088642	M-225R-20180413	4/13/2018	SW8290	55684-94-1	HxCDF (total)	20	Jq	0.56	48	pg/l	J	k,sp	EMPC; < PQL		
4402088642	M-225R-20180413	4/13/2018	SW8290	38998-75-3	HpCDF (total)	12	JBq	0.49	48	pg/l	J	k,sp	EMPC; < PQL		
4402088642	M-225R-20180413	4/13/2018	SW8290	39001-02-0	Octachlorodibenzofuran	30	J	0.58	95	pg/l	J	sp	< PQL		
4402088642	M-225R-20180413	4/13/2018	SW8290	55673-89-7	1,2,3,4,7,8,9-Heptachlorodibenzofuran	2.8	Jq	0.54	48	pg/l	J	k,sp	EMPC; < PQL		
4402088642	M-225R-20180413	4/13/2018	SW8290	57117-44-9	1,2,3,6,7,8-Hexachlorodibenzofuran	2.7	J	0.51	48	pg/l	J	sp	< PQL		
4402088642	M-225R-20180413	4/13/2018	SW8290	3268-87-9	Octachlorodibenzo-p-dioxin	3.5	JBq	0.31	95	pg/l	J	bl,k,sp	MB contamination; EMPC; < PQL	2.69	13.45 pg/l

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte ¹	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator ²	Qualification Finding	Acceptance Criteria
4402088642	M-225R-20180413	4/13/2018	SW8290	51207-31-9	2,3,7,8-Tetrachlorodibenzofuran	6.5	J	1.0	9.5	pg/l	J	sp	< PQL		
4402088642	M-225R-20180413	4/13/2018	SW8290	67562-39-4	1,2,3,4,6,7,8-Heptachlorodibenzofuran	3.9	JB	0.44	48	pg/l	J	sp	< PQL		
4402088642	M-225R-20180413	4/13/2018	SW8290	30402-15-4	PeCDF (total)	78	q	0.67	48	pg/l	J	k	EMPC		
4402088642	M-225R-20180413	4/13/2018	SW8290	70648-26-9	1,2,3,4,7,8-Hexachlorodibenzofuran	14	J	0.58	48	pg/l	J	sp	< PQL		
4402088642	M-225R-20180413	4/13/2018	SW8290	57117-31-4	2,3,4,7,8-Pentachlorodibenzofuran	25	J	0.68	48	pg/l	J	sp	< PQL		
4402088642	M-225R-20180413	4/13/2018	SW8290	36088-22-9	PeCDD (total)	2.7	Jq	0.92	48	pg/l	J	k.sp	EMPC; < PQL		
4402088642	M-225R-20180413	4/13/2018	SW8290	37871-00-4	HpCDD (total)	2.3	JBq	0.48	48	pg/l	J	bl.k.sp	MB contamination; EMPC; < PQL	1.31	6.55 pg/l
4402088642	M-225R-20180413	4/13/2018	SW8290	30402-14-3	Tetrachlorodibenzofuran	240	Bq	0.88	9.5	pg/l	J	k	EMPC		
4402088642	M-225R-20180413	4/13/2018	SW8290	35822-46-9	1,2,3,4,6,7,8-HpCDD	1.1	JBq	0.48	48	pg/l	J	bl.k.sp	MB contamination; EMPC; < PQL	0.649	3.245 pg/l
4402088642	M-227R-20180413	4/13/2018	SW8290	39227-28-6	1,2,3,4,7,8-HxCDD	1.6	JB	0.31	49	pg/l	J	bl.sp	MB contamination; < PQL	1.40	7 pg/l
4402088642	M-227R-20180413	4/13/2018	SW8290	67562-39-4	1,2,3,4,6,7,8-Heptachlorodibenzofuran	0.56	JBq	0.38	49	pg/l	J	bl.k.sp	MB contamination; EMPC; < PQL	0.649	3.245 pg/l
4402088642	M-227R-20180413	4/13/2018	SW8290	37871-00-4	HpCDD (total)	1.9	JB	0.24	49	pg/l	J	bl.sp	MB contamination; < PQL	1.31	6.55 pg/l
4402088642	M-227R-20180413	4/13/2018	SW8290	34465-46-8	HxCDD (total)	1.6	JB	0.28	49	pg/l	J	bl.sp	MB contamination; < PQL	1.40	7 pg/l
4402088642	M-227R-20180413	4/13/2018	SW8290	35822-46-9	1,2,3,4,6,7,8-HpCDD	0.73	JB	0.24	49	pg/l	J	bl.sp	MB contamination; < PQL	0.649	3.245 pg/l
4402088642	M-227R-20180413	4/13/2018	SW8290	38998-75-3	HpCDF (total)	0.56	JBq	0.42	49	pg/l	J	bl.k.sp	MB contamination; EMPC; < PQL	0.427	2.135 pg/l
4402088642	M-227R-20180413	4/13/2018	SW8290	3268-87-9	Octachlorodibenzo-p-dioxin	1.1	JBq	0.34	97	pg/l	J	bl.k.sp	MB contamination; EMPC; < PQL	2.69	13.45 pg/l
4402088642	M-227R-20180413	4/13/2018	SW8290	30402-14-3	Tetrachlorodibenzofuran	1.7	JBq	0.27	9.7	pg/l	J	bl.k.sp	MB contamination; EMPC; < PQL	0.574	2.87 pg/l
4402088642	M-228R-20180413	4/13/2018	SW8290	67562-39-4	1,2,3,4,6,7,8-Heptachlorodibenzofuran	20	JB	1.2	49	pg/l	J	sp	< PQL		
4402088642	M-228R-20180413	4/13/2018	SW8290	35822-46-9	1,2,3,4,6,7,8-HpCDD	4.6	JBq	1.8	49	pg/l	J	k.sp	EMPC; < PQL		
4402088642	M-228R-20180413	4/13/2018	SW8290	55673-89-7	1,2,3,4,7,8,9-Heptachlorodibenzofuran	25	J	1.5	49	pg/l	J	sp	< PQL		
4402088642	M-228R-20180413	4/13/2018	SW8290	57117-44-9	1,2,3,6,7,8-Hexachlorodibenzofuran	17	J	1.6	49	pg/l	J	sp	< PQL		
4402088642	M-228R-20180413	4/13/2018	SW8290	57117-41-6	1,2,3,7,8-Pentachlorodibenzofuran	4.4	Jq	2.2	49	pg/l	J	k.sp	EMPC; < PQL		
4402088642	M-228R-20180413	4/13/2018	SW8290	3268-87-9	Octachlorodibenzo-p-dioxin	10	JBq	0.72	97	pg/l	J	bl.k.sp	MB contamination; EMPC; < PQL	2.69	13.45 pg/l
4402088642	M-228R-20180413	4/13/2018	SW8290	30402-15-4	PeCDF (total)	320	q	2.2	49	pg/l	J	k	EMPC		
4402088642	M-228R-20180413	4/13/2018	SW8290	34465-46-8	HxCDD (total)	10	JBq	2.6	49	pg/l	J	k.sp	EMPC; < PQL		
4402088642	M-228R-20180413	4/13/2018	SW8290	37871-00-4	HpCDD (total)	8.5	JBq	1.8	49	pg/l	J	k.sp	EMPC; < PQL		
4402088642	M-228R-20180413	4/13/2018	SW8290	36088-22-9	PeCDD (total)	38	Jq	3.2	49	pg/l	J	k.sp	EMPC; < PQL		
4402088642	M-228R-20180413	4/13/2018	SW8290	55684-94-1	HxCDF (total)	110	q	1.7	49	pg/l	J	k	EMPC		
4402207712	RISB-EJ-02-1.0-20180924	9/24/2018	SW8290	30402-14-3	Tetrachlorodibenzofuran	130	q	0.36	9.8	pg/g	J	k	EMPC		
4402207712	RISB-EJ-02-1.0-20180924	9/24/2018	SW8290	40321-76-4	1,2,3,7,8-Pentachlorodibenzo-p-dioxin	2.1	J	0.36	49	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-1.0-20180924	9/24/2018	SW8290	57117-31-4	2,3,4,7,8-Pentachlorodibenzofuran	14	J	1.5	49	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-1.0-20180924	9/24/2018	SW8290	34465-46-8	HxCDD (total)	23	JB	0.21	49	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-1.0-20180924	9/24/2018	SW8290	37871-00-4	HpCDD (total)	17	JB	0.26	49	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-1.0-20180924	9/24/2018	SW8290	72918-21-9	1,2,3,7,8,9-Hexachlorodibenzofuran	17	JB	1.4	49	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-1.0-20180924	9/24/2018	SW8290	35822-46-9	1,2,3,4,6,7,8-HpCDD	10	JB	0.26	49	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-1.0-20180924	9/24/2018	SW8290	57117-44-9	1,2,3,6,7,8-Hexachlorodibenzofuran	42	JB	1.1	49	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-1.0-20180924	9/24/2018	SW8290	3268-87-9	Octachlorodibenzo-p-dioxin	20	JB	0.35	98	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-1.0-20180924	9/24/2018	SW8290	57653-85-7	1,2,3,6,7,8-HxCDD	3.2	JB	0.21	49	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-1.0-20180924	9/24/2018	SW8290	60851-34-5	2,3,4,6,7,8-Hexachlorodibenzofuran	9.9	J	1.1	49	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-1.0-20180924	9/24/2018	SW8290	1746-01-6	2,3,7,8-Tetrachlorodibenzo-p-dioxin	1.1	Jq	0.28	9.8	pg/g	J	k.sp	EMPC; < PQL		
4402207712	RISB-EJ-02-1.0-20180924	9/24/2018	SW8290	39227-28-6	1,2,3,4,7,8-HxCDD	2.5	JB	0.23	49	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-1.0-20180924	9/24/2018	SW8290	41903-57-5	TCDD (total)	7.5	Jq	0.28	9.8	pg/g	J	k.sp	EMPC; < PQL		
4402207712	RISB-EJ-02-1.0-20180924	9/24/2018	SW8290	19408-74-3	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	3.5	JB	0.20	49	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-1.0-20180924	9/24/2018	SW8290	57117-41-6	1,2,3,7,8-Pentachlorodibenzofuran	31	JB	1.5	49	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-1.0-20180924	9/24/2018	SW8290	36088-22-9	PeCDD (total)	13	Jq	0.36	49	pg/g	J	k.sp	EMPC; < PQL		
4402207712	RISB-EJ-02-10.0-20180924	9/24/2018	SW8290	39001-02-0	Octachlorodibenzofuran	63	JB	0.83	100	pg/g	J-	i.sp	IS %R; < PQL	37	40-135 %
4402207712	RISB-EJ-02-10.0-20180924	9/24/2018	SW8290	57117-41-6	1,2,3,7,8-Pentachlorodibenzofuran	4.4	JB	0.37	50	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-10.0-20180924	9/24/2018	SW8290	57117-44-9	1,2,3,6,7,8-Hexachlorodibenzofuran	4.9	JB	0.44	50	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-10.0-20180924	9/24/2018	SW8290	51207-31-9	2,3,7,8-Tetrachlorodibenzofuran	2.5	J	0.15	10	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-10.0-20180924	9/24/2018	SW8290	3268-87-9	Octachlorodibenzo-p-dioxin	13	JB	0.53	100	pg/g	J-	i.sp	IS %R; < PQL	37	40-135 %
4402207712	RISB-EJ-02-10.0-20180924	9/24/2018	SW8290	57653-85-7	1,2,3,6,7,8-HxCDD	0.80	JB	0.18	50	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-10.0-20180924	9/24/2018	SW8290	1746-01-6	2,3,7,8-Tetrachlorodibenzo-p-dioxin	0.66	Jq	0.26	10	pg/g	J	k.sp	EMPC; < PQL		
4402207712	RISB-EJ-02-10.0-20180924	9/24/2018	SW8290	39227-28-6	1,2,3,4,7,8-HxCDD	1.4	JBq	0.19	50	pg/g	J	k.sp	EMPC; < PQL		
4402207712	RISB-EJ-02-10.0-20180924	9/24/2018	SW8290	41903-57-5	TCDD (total)	0.66	Jq	0.26	10	pg/g	J	k.sp	EMPC; < PQL		
4402207712	RISB-EJ-02-10.0-20180924	9/24/2018	SW8290	35822-46-9	1,2,3,4,6,7,8-HpCDD	2.3	JB	0.30	50	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-10.0-20180924	9/24/2018	SW8290	19408-74-3	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	0.81	JB	0.17	50	pg/g	J	sp	< PQL		

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte ¹	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator ²	Qualification Finding	Acceptance Criteria
4402207712	RISB-EJ-02-10.0-20180924	9/24/2018	SW8290	57117-31-4	2,3,4,7,8-Pentachlorodibenzofuran	1.5	J	0.37	50	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-10.0-20180924	9/24/2018	SW8290	67562-39-4	1,2,3,4,6,7,8-Heptachlorodibenzofuran	19	JB	0.65	50	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-10.0-20180924	9/24/2018	SW8290	34465-46-8	HxCDD (total)	4.8	JBq	0.18	50	pg/g	J	k,sp	EMPC; < PQL		
4402207712	RISB-EJ-02-10.0-20180924	9/24/2018	SW8290	37871-00-4	HpCDD (total)	4.4	JB	0.30	50	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-10.0-20180924	9/24/2018	SW8290	36088-22-9	PeCDD (total)	0.68	Jq	0.27	50	pg/g	J	k,sp	EMPC; < PQL		
4402207712	RISB-EJ-02-10.0-20180924	9/24/2018	SW8290	70648-26-9	1,2,3,4,7,8-Hexachlorodibenzofuran	7.8	JB	0.47	50	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-10.0-20180924	9/24/2018	SW8290	30402-15-4	PeCDF (total)	12	JBq	0.37	50	pg/g	J	k,sp	EMPC; < PQL		
4402207712	RISB-EJ-02-10.0-20180924	9/24/2018	SW8290	30402-14-3	Tetrachlorodibenzofuran	9.7	Jq	0.15	10	pg/g	J	k,sp	EMPC; < PQL		
4402207712	RISB-EJ-02-10.0-20180924	9/24/2018	SW8290	55673-89-7	1,2,3,4,7,8,9-Heptachlorodibenzofuran	29	JB	0.78	50	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-10.0-20180924	9/24/2018	SW8290	40321-76-4	1,2,3,7,8-Pentachlorodibenzo-p-dioxin	0.39	Jq	0.27	50	pg/g	J	k,sp	EMPC; < PQL		
4402207712	RISB-EJ-02-10.0-20180924	9/24/2018	SW8290	72918-21-9	1,2,3,7,8,9-Hexachlorodibenzofuran	12	JB	0.56	50	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-10.0-20180924	9/24/2018	SW8290	55684-94-1	HxCDF (total)	48	JBq	0.48	50	pg/g	J	k,sp	EMPC; < PQL		
4402207712	RISB-ER-02-1.0-20180924	9/24/2018	SW8290	40321-76-4	1,2,3,7,8-Pentachlorodibenzo-p-dioxin	1.4	Jq	0.38	51	pg/g	J	k,sp	EMPC; < PQL		
4402207712	RISB-ER-02-1.0-20180924	9/24/2018	SW8290	35822-46-9	1,2,3,4,6,7,8-HpCDD	11	JB	0.33	51	pg/g	J	sp	< PQL		
4402207712	RISB-ER-02-1.0-20180924	9/24/2018	SW8290	30402-15-4	PeCDF (total)	460	Bq	0.89	51	pg/g	J	k	EMPC		
4402207712	RISB-ER-02-1.0-20180924	9/24/2018	SW8290	72918-21-9	1,2,3,7,8,9-Hexachlorodibenzofuran	13	JB	1.2	51	pg/g	J	sp	< PQL		
4402207712	RISB-ER-02-1.0-20180924	9/24/2018	SW8290	70648-26-9	1,2,3,4,7,8-Hexachlorodibenzofuran	38	JB	1.1	51	pg/g	J	sp	< PQL		
4402207712	RISB-ER-02-1.0-20180924	9/24/2018	SW8290	36088-22-9	PeCDD (total)	8.9	Jq	0.38	51	pg/g	J	k,sp	EMPC; < PQL		
4402207712	RISB-ER-02-1.0-20180924	9/24/2018	SW8290	37871-00-4	HpCDD (total)	18	JB	0.33	51	pg/g	J	sp	< PQL		
4402207712	RISB-ER-02-1.0-20180924	9/24/2018	SW8290	57117-31-4	2,3,4,7,8-Pentachlorodibenzofuran	8.7	J	0.89	51	pg/g	J	sp	< PQL		
4402207712	RISB-ER-02-1.0-20180924	9/24/2018	SW8290	55684-94-1	HxCDF (total)	180	Bq	1.1	51	pg/g	J	k	EMPC		
4402207712	RISB-ER-02-1.0-20180924	9/24/2018	SW8290	57117-41-6	1,2,3,7,8-Pentachlorodibenzofuran	19	JB	0.89	51	pg/g	J	sp	< PQL		
4402207712	RISB-ER-02-1.0-20180924	9/24/2018	SW8290	34465-46-8	HxCDD (total)	20	JB	0.23	51	pg/g	J	sp	< PQL		
4402207712	RISB-ER-02-1.0-20180924	9/24/2018	SW8290	39227-28-6	1,2,3,4,7,8-HxCDD	2.4	JB	0.25	51	pg/g	J	sp	< PQL		
4402207712	RISB-ER-02-1.0-20180924	9/24/2018	SW8290	19408-74-3	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	3.4	JB	0.22	51	pg/g	J	sp	< PQL		
4402207712	RISB-ER-02-1.0-20180924	9/24/2018	SW8290	55673-89-7	1,2,3,4,7,8,9-Heptachlorodibenzofuran	45	JB	1.1	51	pg/g	J	sp	< PQL		
4402207712	RISB-ER-02-1.0-20180924	9/24/2018	SW8290	41903-57-5	TCDD (total)	3.4	Jq	0.34	10	pg/g	J	k,sp	EMPC; < PQL		
4402207712	RISB-ER-02-1.0-20180924	9/24/2018	SW8290	60851-34-5	2,3,4,6,7,8-Hexachlorodibenzofuran	6.6	J	1.0	51	pg/g	J	sp	< PQL		
4402207712	RISB-ER-02-1.0-20180924	9/24/2018	SW8290	57653-85-7	1,2,3,6,7,8-HxCDD	3.3	JB	0.23	51	pg/g	J	sp	< PQL		
4402207712	RISB-ER-02-1.0-20180924	9/24/2018	SW8290	3268-87-9	Octachlorodibenzo-p-dioxin	71	JB	0.45	100	pg/g	J	sp	< PQL		
4402207712	RISB-ER-02-1.0-20180924	9/24/2018	SW8290	51207-31-9	2,3,7,8-Tetrachlorodibenzofuran	7.9	J	1.1	10	pg/g	J	sp	< PQL		
4402207712	RISB-ER-02-1.0-20180924	9/24/2018	SW8290	57117-44-9	1,2,3,6,7,8-Hexachlorodibenzofuran	25	JB	0.98	51	pg/g	J	sp	< PQL		
4402207712	RISB-ER-02-10.0-20180924	9/24/2018	SW8290	57117-41-6	1,2,3,7,8-Pentachlorodibenzofuran	11.7	JBq	0.26	52	pg/g	J	k,sp	EMPC; < PQL		
4402207712	RISB-ER-02-10.0-20180924	9/24/2018	SW8290	30402-15-4	PeCDF (total)	2.6	JBq	0.26	52	pg/g	J	k,sp	EMPC; < PQL		
4402207712	RISB-ER-02-10.0-20180924	9/24/2018	SW8290	39227-28-6	1,2,3,4,7,8-HxCDD	2.4	JB	0.20	52	pg/g	J	sp	< PQL		
4402207712	RISB-ER-02-10.0-20180924	9/24/2018	SW8290	51207-31-9	2,3,7,8-Tetrachlorodibenzofuran	0.42	J	0.12	10	pg/g	J	sp	< PQL		
4402207712	RISB-ER-02-10.0-20180924	9/24/2018	SW8290	3268-87-9	Octachlorodibenzo-p-dioxin	44	JB	0.43	100	pg/g	J	sp	< PQL		
4402207712	RISB-ER-02-10.0-20180924	9/24/2018	SW8290	57117-44-9	1,2,3,6,7,8-Hexachlorodibenzofuran	0.96	JBq	0.28	52	pg/g	J	k,sp	EMPC; < PQL		
4402207712	RISB-ER-02-10.0-20180924	9/24/2018	SW8290	55673-89-7	1,2,3,4,7,8,9-Heptachlorodibenzofuran	22	JB	0.48	52	pg/g	J	sp	< PQL		
4402207712	RISB-ER-02-10.0-20180924	9/24/2018	SW8290	19408-74-3	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	0.77	JB	0.18	52	pg/g	J	sp	< PQL		
4402207712	RISB-ER-02-10.0-20180924	9/24/2018	SW8290	38998-75-3	HpCDF (total)	31	JBq	0.44	52	pg/g	J	k,sp	EMPC; < PQL		
4402207712	RISB-ER-02-10.0-20180924	9/24/2018	SW8290	67562-39-4	1,2,3,4,6,7,8-Heptachlorodibenzofuran	4.0	JB	0.40	52	pg/g	J	sp	< PQL		
4402207712	RISB-ER-02-10.0-20180924	9/24/2018	SW8290	55684-94-1	HxCDF (total)	25	JBq	0.31	52	pg/g	J	k,sp	EMPC; < PQL		
4402207712	RISB-ER-02-10.0-20180924	9/24/2018	SW8290	30402-14-3	Tetrachlorodibenzofuran	0.42	J	0.12	10	pg/g	J	sp	< PQL		
4402207712	RISB-ER-02-10.0-20180924	9/24/2018	SW8290	72918-21-9	1,2,3,7,8,9-Hexachlorodibenzofuran	12	JB	0.36	52	pg/g	J	sp	< PQL		
4402207712	RISB-ER-02-10.0-20180924	9/24/2018	SW8290	70648-26-9	1,2,3,4,7,8-Hexachlorodibenzofuran	2.0	JB	0.30	52	pg/g	J	sp	< PQL		
4402207712	RISB-ER-02-10.0-20180924	9/24/2018	SW8290	37871-00-4	HpCDD (total)	5.3	JB	0.26	52	pg/g	J	sp	< PQL		
4402207712	RISB-ER-02-10.0-20180924	9/24/2018	SW8290	34465-46-8	HxCDD (total)	3.9	JB	0.19	52	pg/g	J	sp	< PQL		
4402207712	RISB-ER-02-10.0-20180924	9/24/2018	SW8290	35822-46-9	1,2,3,4,6,7,8-HpCDD	2.8	JB	0.26	52	pg/g	J	sp	< PQL		
4402207712	RISB-ER-02-10.0-20180924	9/24/2018	SW8290	39001-02-0	Octachlorodibenzofuran	15	JB	0.40	100	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925	9/25/2018	SW8290	37871-00-4	HpCDD (total)	25	JBq	1.3	52	pg/g	J	k,sp	EMPC; < PQL		
4402208432	RISB-EJ-03-1.0-20180925	9/25/2018	SW8290	57117-44-9	1,2,3,6,7,8-Hexachlorodibenzofuran	13	Jq	5.4	52	pg/g	J	k,o,sp	EMPC; TCDD resolution; < PQL	28	25 %
4402208432	RISB-EJ-03-1.0-20180925	9/25/2018	SW8290	55673-89-7	1,2,3,4,7,8,9-Heptachlorodibenzofuran	24	JB	5.3	52	pg/g	J	o,sp	TCDD resolution; < PQL	28	25 %
4402208432	RISB-EJ-03-1.0-20180925	9/25/2018	SW8290	57653-85-7	1,2,3,6,7,8-HxCDD	4.6	JBq	2.3	52	pg/g	J	k,o,sp	EMPC; TCDD resolution; < PQL	28	25 %
4402208432	RISB-EJ-03-1.0-20180925	9/25/2018	SW8290	38998-75-3	HpCDF (total)	160	B	4.8	52	pg/g	J	o	TCDD resolution	28	25 %
4402208432	RISB-EJ-03-1.0-20180925	9/25/2018	SW8290	36088-22-9	PeCDD (total)		U	4.1	52	pg/g	UJ	c	ICAL Ion ratio	1.79	1.32-1.78

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte ¹	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator ²	Qualification Finding	Acceptance Criteria
4402208432	RISB-EJ-03-1.0-20180925	9/25/2018	SW8290	51207-31-9	2,3,7,8-Tetrachlorodibenzofuran	5.4	J	1.5	10	pg/g	J	o,sp	TCDD resolution; < PQL	28	25 %
4402208432	RISB-EJ-03-1.0-20180925	9/25/2018	SW8290	67562-39-4	1,2,3,4,6,7,8-Heptachlorodibenzofuran	88	B	4.3	52	pg/g	J	o	TCDD resolution	28	25 %
4402208432	RISB-EJ-03-1.0-20180925	9/25/2018	SW8290	40321-76-4	1,2,3,7,8-Pentachlorodibenzo-p-dioxin		U	4.1	52	pg/g	UJ	c	ICAL Ion ratio	1.79	1.32-1.78
4402208432	RISB-EJ-03-1.0-20180925	9/25/2018	SW8290	30402-15-4	PeCDF (total)	55	Bq	5.1	52	pg/g	J	k,o	EMPC; TCDD resolution	28	25 %
4402208432	RISB-EJ-03-1.0-20180925	9/25/2018	SW8290	70648-26-9	1,2,3,4,7,8-Hexachlorodibenzofuran	29	Jq	6.0	52	pg/g	J	k,o,sp	EMPC; TCDD resolution; < PQL	28	25 %
4402208432	RISB-EJ-03-1.0-20180925	9/25/2018	SW8290	30402-14-3	Tetrachlorodibenzofuran	30	Bq	2.3	10	pg/g	J	k,o	EMPC; TCDD resolution	28	25 %
4402208432	RISB-EJ-03-1.0-20180925	9/25/2018	SW8290	35822-46-9	1,2,3,4,6,7,8-HpCDD	14	JB	1.3	52	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925	9/25/2018	SW8290	55684-94-1	HxCDF (total)	77	Bq	5.9	52	pg/g	J	k,o	EMPC; TCDD resolution	28	25 %
4402208432	RISB-EJ-03-1.0-20180925	9/25/2018	SW8290	34465-46-8	HxCDD (total)	4.6	JBq	2.4	52	pg/g	J	bl,k,o,sp	MB contamination; EMPC; TCDD resolution; < PQL	7.21; 28	36.05; 25 pg/g; %
4402208432	RISB-EJ-03-1.0-20180925	9/25/2018	SW8290	57117-41-6	1,2,3,7,8-Pentachlorodibenzofuran	9.4	Jq	5.1	52	pg/g	J	k,o,sp	EMPC; TCDD resolution; < PQL	28	25 %
4402208432	RISB-EJ-03-1.0-20180925-FD	9/25/2018	SW8290	36088-22-9	PeCDD (total)	7.1	JBq	0.91	46	pg/g	J	c,k,o,sp	ICAL Ion ratio; EMPC; TCDD resolution; < PQL	1.79; 28	1.32-1.78; 25 %
4402208432	RISB-EJ-03-1.0-20180925-FD	9/25/2018	SW8290	34465-46-8	HxCDD (total)	9.6	JBq	0.96	46	pg/g	J	bl,c,k,o,sp	MB contamination; CCV %D; EMPC; TCDD resolution; < PQL	7.21; 26.8; 28	36.05; 20; 25 pg/g; %
4402208432	RISB-EJ-03-1.0-20180925-FD	9/25/2018	SW8290	57117-31-4	2,3,4,7,8-Pentachlorodibenzofuran	8.0	J	1.7	46	pg/g	J	o,sp	TCDD resolution; < PQL	28	25 %
4402208432	RISB-EJ-03-1.0-20180925-FD	9/25/2018	SW8290	67562-39-4	1,2,3,4,6,7,8-Heptachlorodibenzofuran	84	B	1.3	46	pg/g	J	o	TCDD resolution	28	25 %
4402208432	RISB-EJ-03-1.0-20180925-FD	9/25/2018	SW8290	40321-76-4	1,2,3,7,8-Pentachlorodibenzo-p-dioxin		U	0.91	46	pg/g	UJ	c	ICAL Ion ratio	1.79	1.32-1.78
4402208432	RISB-EJ-03-1.0-20180925-FD	9/25/2018	SW8290	30402-15-4	PeCDF (total)	80	Bq	1.7	46	pg/g	J	k,o	EMPC; TCDD resolution	28	25 %
4402208432	RISB-EJ-03-1.0-20180925-FD	9/25/2018	SW8290	70648-26-9	1,2,3,4,7,8-Hexachlorodibenzofuran	26	Jq	4.3	46	pg/g	J	k,o,sp	EMPC; TCDD resolution; < PQL	28	25 %
4402208432	RISB-EJ-03-1.0-20180925-FD	9/25/2018	SW8290	30402-14-3	Tetrachlorodibenzofuran	43	Bq	1.0	9.3	pg/g	J	k,o	EMPC; TCDD resolution	28	25 %
4402208432	RISB-EJ-03-1.0-20180925-FD	9/25/2018	SW8290	55684-94-1	HxCDF (total)	99	Bq	4.2	46	pg/g	J	k,o	EMPC; TCDD resolution	28	25 %
4402208432	RISB-EJ-03-1.0-20180925-FD	9/25/2018	SW8290	3268-87-9	Octachlorodibenzo-p-dioxin	38	JB	1.0	93	pg/g	J	bl,sp	MB contamination; < PQL	12.1	60.5 pg/g
4402208432	RISB-EJ-03-1.0-20180925-FD	9/25/2018	SW8290	35822-46-9	1,2,3,4,6,7,8-HpCDD	11	JB	0.79	46	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925-FD	9/25/2018	SW8290	19408-74-3	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	2.9	JB	0.88	46	pg/g	J	o,sp	TCDD resolution; < PQL	28	25 %
4402208432	RISB-EJ-03-1.0-20180925-FD	9/25/2018	SW8290	37871-00-4	HpCDD (total)	18	JB	0.79	46	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925-FD	9/25/2018	SW8290	41903-57-5	TCDD (total)	0.95	Jq	0.84	9.3	pg/g	J	k,o,sp	EMPC; TCDD resolution; < PQL	28	25 %
4402208432	RISB-EJ-03-1.0-20180925-FD	9/25/2018	SW8290	57653-85-7	1,2,3,6,7,8-HxCDD	2.1	JBq	0.91	46	pg/g	J	bl,k,o,sp	MB contamination; EMPC; TCDD resolution; < PQL	0.815; 28	4.075 25 pg/g; %
4402208432	RISB-EJ-03-1.0-20180925-FD	9/25/2018	SW8290	51207-31-9	2,3,7,8-Tetrachlorodibenzofuran	5.3	J	0.71	9.3	pg/g	J	o,sp	TCDD resolution; < PQL	28	25 %
4402208432	RISB-EJ-03-1.0-20180925-FD	9/25/2018	SW8290	39227-28-6	1,2,3,4,7,8-HxCDD	1.5	JBq	1.1	46	pg/g	J	c,k,o,sp	CCV %D; EMPC; TCDD resolution; < PQL	26.8; 28	20; 25 %
4402208432	RISB-EJ-03-1.0-20180925-FD	9/25/2018	SW8290	60851-34-5	2,3,4,6,7,8-Hexachlorodibenzofuran	5.1	JB	4.2	46	pg/g	J	o,sp	TCDD resolution; < PQL	28	25 %
4402208432	RISB-EJ-03-1.0-20180925-FD	9/25/2018	SW8290	57117-41-6	1,2,3,7,8-Pentachlorodibenzofuran	12	Jq	1.7	46	pg/g	J	k,o,sp	EMPC; TCDD resolution; < PQL	28	25 %
4402208432	RISB-EJ-03-1.0-20180925-FD	9/25/2018	SW8290	55673-89-7	1,2,3,4,7,8,9-Heptachlorodibenzofuran	29	JB	1.6	46	pg/g	J	o,sp	TCDD resolution; < PQL	28	25 %
4402208432	RISB-EJ-03-1.0-20180925-FD	9/25/2018	SW8290	57117-44-9	1,2,3,6,7,8-Hexachlorodibenzofuran	20	J	3.9	46	pg/g	J	o,sp	TCDD resolution; < PQL	28	25 %
4402208432	RISB-EJ-03-1.0-20180925-FD	9/25/2018	SW8290	38998-75-3	HpCDF (total)	160	Bq	1.4	46	pg/g	J	k,o	EMPC; TCDD resolution	28	25 %
4402208432	RISB-EJ-03-10.0-20180925	9/25/2018	SW8290	34465-46-8	HxCDD (total)	2.9	JBq	0.88	51	pg/g	J	bl,c,k,o,sp	MB contamination; CCV %D; EMPC; TCDD resolution; < PQL	7.21; 26.8; 28	36.05; 20; 25 pg/g; %
4402208432	RISB-EJ-03-10.0-20180925	9/25/2018	SW8290	57117-41-6	1,2,3,7,8-Pentachlorodibenzofuran	0.83	Jq	0.54	51	pg/g	J	k,o,sp	EMPC; TCDD resolution; < PQL	28	25 %
4402208432	RISB-EJ-03-10.0-20180925	9/25/2018	SW8290	39227-28-6	1,2,3,4,7,8-HxCDD	2.9	JBq	1.0	51	pg/g	J	c,k,o,sp	CCV %D; EMPC; TCDD resolution; < PQL	26.8; 28	20; 25 %
4402208432	RISB-EJ-03-10.0-20180925	9/25/2018	SW8290	38998-75-3	HpCDF (total)	3.4	JB	0.57	51	pg/g	J	o,sp	TCDD resolution; < PQL	28	25 %
4402208432	RISB-EJ-03-10.0-20180925	9/25/2018	SW8290	3268-87-9	Octachlorodibenzo-p-dioxin	7.2	JB	0.70	100	pg/g	J	bl,sp	MB contamination; < PQL	12.1	60.5 pg/g
4402208432	RISB-EJ-03-10.0-20180925	9/25/2018	SW8290	55673-89-7	1,2,3,4,7,8,9-Heptachlorodibenzofuran	2.1	JB	0.63	51	pg/g	J	o,sp	TCDD resolution; < PQL	28	25 %
4402208432	RISB-EJ-03-10.0-20180925	9/25/2018	SW8290	39001-02-0	Octachlorodibenzofuran	2.2	JBq	0.91	100	pg/g	J	k,sp	EMPC; < PQL		
4402208432	RISB-EJ-03-10.0-20180925	9/25/2018	SW8290	55684-94-1	HxCDF (total)	2.1	JB	0.65	51	pg/g	J	o,sp	TCDD resolution; < PQL	28	25 %
4402208432	RISB-EJ-03-10.0-20180925	9/25/2018	SW8290	67562-39-4	1,2,3,4,6,7,8-Heptachlorodibenzofuran	1.3	JB	0.51	51	pg/g	J	o,sp	TCDD resolution; < PQL	28	25 %
4402208432	RISB-EJ-03-10.0-20180925	9/25/2018	SW8290	40321-76-4	1,2,3,7,8-Pentachlorodibenzo-p-dioxin		U	0.56	51	pg/g	UJ	c	ICAL Ion ratio	1.79	1.32-1.78
4402208432	RISB-EJ-03-10.0-20180925	9/25/2018	SW8290	30402-15-4	PeCDF (total)	0.83	JBq	0.54	51	pg/g	J	bl,k,o,sp	MB contamination; EMPC; TCDD resolution; < PQL	0.194; 28	0.97; 25 pg/g; %
4402208432	RISB-EJ-03-10.0-20180925	9/25/2018	SW8290	72918-21-9	1,2,3,7,8,9-Hexachlorodibenzofuran	2.1	JB	0.69	51	pg/g	J	o,sp	TCDD resolution; < PQL	28	25 %
4402208432	RISB-EJ-03-10.0-20180925	9/25/2018	SW8290	35822-46-9	1,2,3,4,6,7,8-HpCDD	1.7	JB	0.28	51	pg/g	J	bl,sp	MB contamination; < PQL	1.02	5.1 pg/g
4402208432	RISB-EJ-03-10.0-20180925	9/25/2018	SW8290	36088-22-9	PeCDD (total)	0.61	JBq	0.56	51	pg/g	J	c,k,o,sp	ICAL Ion ratio; EMPC; TCDD resolution; < PQL	1.79; 28	1.32-1.78; 25 %
4402208432	RISB-EJ-03-10.0-20180925	9/25/2018	SW8290	37871-00-4	HpCDD (total)	2.5	JBq	0.28	51	pg/g	J	bl,k,sp	MB contamination; EMPC; < PQL	2.02	10.1 pg/g
4402208432	RISB-EJ-04-1.0-20180925	9/25/2018	SW8290	1746-01-6	2,3,7,8-Tetrachlorodibenzo-p-dioxin	5.3	Jq	1.7	10	pg/g	J	k,o,sp	EMPC; TCDD resolution; < PQL	28	25 %
4402208432	RISB-EJ-04-1.0-20180925	9/25/2018	SW8290	3268-87-9	Octachlorodibenzo-p-dioxin	96	JB	1.6	100	pg/g	J	sp	< PQL		

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte ¹	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator ²	Qualification Finding	Acceptance Criteria
4402208432	RISB-EJ-04-1.0-20180925	9/25/2018	SW8290	51207-31-9	2,3,7,8-Tetrachlorodibenzofuran	68		1.7	10	pg/g	J	o	TCDD resolution	28	25 %
4402208432	RISB-EJ-04-1.0-20180925	9/25/2018	SW8290	57653-85-7	1,2,3,6,7,8-HxCDD	82	B	2.5	52	pg/g	J	o	TCDD resolution	28	25 %
4402208432	RISB-EJ-04-1.0-20180925	9/25/2018	SW8290	60851-34-5	2,3,4,6,7,8-Hexachlorodibenzofuran	52	B	18	52	pg/g	J	o	TCDD resolution	28	25 %
4402208432	RISB-EJ-04-1.0-20180925	9/25/2018	SW8290	41903-57-5	TCDD (total)	52	q	1.7	10	pg/g	J	k,o	EMPC; TCDD resolution	28	25 %
4402208432	RISB-EJ-04-1.0-20180925	9/25/2018	SW8290	38998-75-3	HpCDF (total)	1600	B	7.1	52	pg/g	J	o	TCDD resolution	28	25 %
4402208432	RISB-EJ-04-1.0-20180925	9/25/2018	SW8290	39227-28-6	1,2,3,4,7,8-HxCDD	10	JBq	3.0	52	pg/g	J	c,k,o,sp	CCV %D; EMPC; TCDD resolution; < PQL	26.8; 28	20; 25 %
4402208432	RISB-EJ-04-1.0-20180925	9/25/2018	SW8290	55673-89-7	1,2,3,4,7,8,9-Heptachlorodibenzofuran	310	B	7.8	52	pg/g	J	o	TCDD resolution	28	25 %
4402208432	RISB-EJ-04-1.0-20180925	9/25/2018	SW8290	57117-44-9	1,2,3,6,7,8-Hexachlorodibenzofuran	230		17	52	pg/g	J	o	TCDD resolution	28	25 %
4402208432	RISB-EJ-04-1.0-20180925	9/25/2018	SW8290	19408-74-3	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	46	JB	2.4	52	pg/g	J	o,sp	TCDD resolution; < PQL	28	25 %
4402208432	RISB-EJ-04-1.0-20180925	9/25/2018	SW8290	72918-21-9	1,2,3,7,8,9-Hexachlorodibenzofuran	28	JB	19	52	pg/g	J	o,sp	TCDD resolution; < PQL	28	25 %
4402208432	RISB-EJ-04-1.0-20180925	9/25/2018	SW8290	57117-41-6	1,2,3,7,8-Pentachlorodibenzofuran	180		9.2	52	pg/g	J	o	TCDD resolution	28	25 %
4402208432	RISB-EJ-04-1.0-20180925	9/25/2018	SW8290	30402-15-4	PeCDF (total)	1500	B	9.3	52	pg/g	J	o	TCDD resolution	28	25 %
4402208432	RISB-EJ-04-1.0-20180925	9/25/2018	SW8290	70648-26-9	1,2,3,4,7,8-Hexachlorodibenzofuran	260		18	52	pg/g	J	o	TCDD resolution	28	25 %
4402208432	RISB-EJ-04-1.0-20180925	9/25/2018	SW8290	40321-76-4	1,2,3,7,8-Pentachlorodibenzo-p-dioxin	12	JB	2.4	52	pg/g	J	c,o,sp	ICAL Ion ratio; TCDD resolution; < PQL	1.79; 28	1.32-1.78; 25 %
4402208432	RISB-EJ-04-1.0-20180925	9/25/2018	SW8290	34465-46-8	HxCDD (total)	510	Bq	2.6	52	pg/g	J	c,k,o	CCV %D; EMPC; TCDD resolution	26.8; 28	20; 25 %
4402208432	RISB-EJ-04-1.0-20180925	9/25/2018	SW8290	36088-22-9	PeCDD (total)	110	Bq	2.4	52	pg/g	J	c,k,o	ICAL Ion ratio; EMPC; TCDD resolution	1.79; 28	1.32-1.78; 25 %
4402208432	RISB-EJ-04-1.0-20180925	9/25/2018	SW8290	57117-31-4	2,3,4,7,8-Pentachlorodibenzofuran	87		2.3	52	pg/g	J	o	TCDD resolution	28	25 %
4402208432	RISB-EJ-04-1.0-20180925	9/25/2018	SW8290	67562-39-4	1,2,3,4,6,7,8-Heptachlorodibenzofuran	820	B	6.4	52	pg/g	J	o	TCDD resolution	28	25 %
4402208432	RISB-EJ-04-1.0-20180925	9/25/2018	SW8290	30402-14-3	Tetrachlorodibenzofuran	810	Bq	3.2	10	pg/g	J	k,o	EMPC; TCDD resolution	28	25 %
4402208432	RISB-EJ-04-1.0-20180925	9/25/2018	SW8290	55684-94-1	HxCDF (total)	1600	B	18	52	pg/g	J	o	TCDD resolution	28	25 %
4402208432	RISB-EJ-04-10.0-20180925	9/25/2018	SW8290	36088-22-9	PeCDD (total)		U	0.82	54	pg/g	UJ	c	ICAL Ion ratio	1.79	1.32-1.78
4402208432	RISB-EJ-04-10.0-20180925	9/25/2018	SW8290	37871-00-4	HpCDD (total)	2.0	JBq	0.65	54	pg/g	J	bl,k,sp	MB contamination; EMPC; < PQL	2.02	10.1 pg/g
4402208432	RISB-EJ-04-10.0-20180925	9/25/2018	SW8290	30402-14-3	Tetrachlorodibenzofuran	4.5	JBq	0.48	11	pg/g	J	k,o,sp	EMPC; TCDD resolution; < PQL	28	25 %
4402208432	RISB-EJ-04-10.0-20180925	9/25/2018	SW8290	55684-94-1	HxCDF (total)	11	JBq	1.5	54	pg/g	J	k,o,sp	EMPC; TCDD resolution; < PQL	28	25 %
4402208432	RISB-EJ-04-10.0-20180925	9/25/2018	SW8290	30402-15-4	PeCDF (total)	2.6	JB	0.73	54	pg/g	J	o,sp	TCDD resolution; < PQL	28	25 %
4402208432	RISB-EJ-04-10.0-20180925	9/25/2018	SW8290	72918-21-9	1,2,3,7,8,9-Hexachlorodibenzofuran	2.3	JBq	1.6	54	pg/g	J	k,o,sp	EMPC; TCDD resolution; < PQL	28	25 %
4402208432	RISB-EJ-04-10.0-20180925	9/25/2018	SW8290	70648-26-9	1,2,3,4,7,8-Hexachlorodibenzofuran	2.8	J	1.5	54	pg/g	J	o,sp	TCDD resolution; < PQL	28	25 %
4402208432	RISB-EJ-04-10.0-20180925	9/25/2018	SW8290	67562-39-4	1,2,3,4,6,7,8-Heptachlorodibenzofuran	8.6	JBq	0.83	54	pg/g	J	k,o,sp	EMPC; TCDD resolution; < PQL	28	25 %
4402208432	RISB-EJ-04-10.0-20180925	9/25/2018	SW8290	55673-89-7	1,2,3,4,7,8,9-Heptachlorodibenzofuran	4.3	JBq	1.0	54	pg/g	J	k,o,sp	EMPC; TCDD resolution; < PQL	28	25 %
4402208432	RISB-EJ-04-10.0-20180925	9/25/2018	SW8290	39001-02-0	Octachlorodibenzofuran	16	JBq	0.95	110	pg/g	J	k,sp	EMPC; < PQL		
4402208432	RISB-EJ-04-10.0-20180925	9/25/2018	SW8290	57117-41-6	1,2,3,7,8-Pentachlorodibenzofuran	2.6	J	0.72	54	pg/g	J	o,sp	TCDD resolution; < PQL	28	25 %
4402208432	RISB-EJ-04-10.0-20180925	9/25/2018	SW8290	3268-87-9	Octachlorodibenzo-p-dioxin	11	JB	1.0	110	pg/g	J	bl,sp	MB contamination; < PQL	12.1	60.5 pg/g
4402208432	RISB-EJ-04-10.0-20180925	9/25/2018	SW8290	51207-31-9	2,3,7,8-Tetrachlorodibenzofuran	2.0	JBq	0.48	11	pg/g	J	k,o,sp	EMPC; TCDD resolution; < PQL	28	25 %
4402208432	RISB-EJ-04-10.0-20180925	9/25/2018	SW8290	38998-75-3	HpCDF (total)	16	JBq	0.92	54	pg/g	J	k,o,sp	EMPC; TCDD resolution; < PQL	28	25 %
4402208432	RISB-EJ-04-10.0-20180925	9/25/2018	SW8290	40321-76-4	1,2,3,7,8-Pentachlorodibenzo-p-dioxin		U	0.82	54	pg/g	UJ	c	ICAL Ion ratio	1.79	1.32-1.78
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	SW8290	38998-75-3	HpCDF (total)	39	JB	0.81	51	pg/g	J	o,sp	TCDD resolution; < PQL	28	25 %
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	SW8290	39227-28-6	1,2,3,4,7,8-HxCDD	2.1	JqB	0.65	51	pg/g	J	k,o,sp	EMPC; TCDD resolution; < PQL	28	25 %
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	SW8290	39001-02-0	Octachlorodibenzofuran	42	JB	1.4	100	pg/g	J	sp	< PQL		
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	SW8290	55673-89-7	1,2,3,4,7,8,9-Heptachlorodibenzofuran	9.1	JB	0.89	51	pg/g	J	o,sp	TCDD resolution; < PQL	28	25 %
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	SW8290	57117-44-9	1,2,3,6,7,8-Hexachlorodibenzofuran	5.0	Jq	1.1	51	pg/g	J	k,o,sp	EMPC; TCDD resolution; < PQL	28	25 %
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	SW8290	57117-41-6	1,2,3,7,8-Pentachlorodibenzofuran	4.0	J	0.73	51	pg/g	J	o,sp	TCDD resolution; < PQL	28	25 %
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	SW8290	3268-87-9	Octachlorodibenzo-p-dioxin	10	JB	1.2	100	pg/g	J	bl,sp	MB contamination; < PQL	12.1	60.5 pg/g
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	SW8290	51207-31-9	2,3,7,8-Tetrachlorodibenzofuran	3.3	J	0.37	10	pg/g	J	c,o,sp	CCV %D;TCDD resolution; < PQL	25.3; 28	20; 25 %
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	SW8290	60851-34-5	2,3,4,6,7,8-Hexachlorodibenzofuran	1.5	J	1.1	51	pg/g	J	o,sp	TCDD resolution; < PQL	28	25 %
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	SW8290	37871-00-4	HpCDD (total)	4.5	JqB	0.38	51	pg/g	J	bl,k,sp	MB contamination; EMPC; < PQL	2.02	10.1 pg/g
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	SW8290	19408-74-3	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	2.5	JqB	0.53	51	pg/g	J	k,o,sp	EMPC; TCDD resolution; < PQL	28	25 %
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	SW8290	57653-85-7	1,2,3,6,7,8-HxCDD	4.0	Jq	0.55	51	pg/g	J	bl,k,o,sp	MB contamination; EMPC; TCDD resolution; < PQL	0.815; 28	4.075 25 pg/g; %
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	SW8290	36088-22-9	PeCDD (total)	2.9	J	0.72	51	pg/g	J	c,o,sp	ICAL Ion ratio; CCV %D; TCDD resolution; < PQL	1.79; 35.5; 28	1.32-1.78; 30; 25 %
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	SW8290	34465-46-8	HxCDD (total)	17	JqB	0.57	51	pg/g	J	bl,k,o,sp	MB contamination; EMPC; TCDD resolution; < PQL	7.21; 28	36.05; 25 pg/g; %
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	SW8290	40321-76-4	1,2,3,7,8-Pentachlorodibenzo-p-dioxin		U	0.72	51	pg/g	UJ	c	ICAL Ion ratio; CCV %D	1.79; 35.5	1.32-1.78; 30 %
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	SW8290	70648-26-9	1,2,3,4,7,8-Hexachlorodibenzofuran	5.5	Jq	1.2	51	pg/g	J	k,o,sp	EMPC; TCDD resolution; < PQL	28	25 %
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	SW8290	72918-21-9	1,2,3,7,8,9-Hexachlorodibenzofuran	2.1	JqB	1.2	51	pg/g	J	k,o,sp	EMPC; TCDD resolution; < PQL	28	25 %
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	SW8290	30402-15-4	PeCDF (total)	19	JqB	0.74	51	pg/g	J	k,o,sp	EMPC; TCDD resolution; < PQL	28	25 %

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte ¹	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator ²	Qualification Finding	Acceptance Criteria
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	SW8290	55684-94-1	HxCDF (total)	27	JqB	1.1	51	pg/g	J	k,o,sp	EMPC; TCDD resolution; < PQL	28	25 %
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	SW8290	35822-46-9	1,2,3,4,6,7,8-HpCDD	1.7	JqB	0.38	51	pg/g	J	bl,k,sp	MB contamination; EMPC; < PQL	1.02	5.1 pg/g
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	SW8290	30402-14-3	Tetrachlorodibenzofuran	9.1	Jq	0.37	10	pg/g	J	c,k,o,sp	CCV %D; EMPC; TCDD resolution; < PQL	25.3; 28	20; 25 %
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	SW8290	67562-39-4	1,2,3,4,6,7,8-Heptachlorodibenzofuran	18	JB	0.73	51	pg/g	J	o,sp	TCDD resolution; < PQL	28	25 %
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	SW8290	57117-31-4	2,3,4,7,8-Pentachlorodibenzofuran	1.19	Jq	0.74	51	pg/g	J	k,o,sp	EMPC; TCDD resolution; < PQL	28	25 %
4402208432	RISB-ER-01-10.0-20180925	9/25/2018	SW8290	39001-02-0	Octachlorodibenzofuran	2.4	JqB	0.78	99	pg/g	J	k,sp	EMPC; < PQL		
4402208432	RISB-ER-01-10.0-20180925	9/25/2018	SW8290	41903-57-5	TCDD (total)	0.54	Jq	0.43	9.9	pg/g	J	k,o,sp	EMPC; TCDD resolution; < PQL	28	25 %
4402208432	RISB-ER-01-10.0-20180925	9/25/2018	SW8290	38998-75-3	HpCDF (total)	3.0	JqB	0.47	49	pg/g	J	bl,k,o,sp	MB contamination; EMPC; TCDD resolution; < PQL	0.636; 28	3.18; 25 pg/g; %
4402208432	RISB-ER-01-10.0-20180925	9/25/2018	SW8290	55673-89-7	1,2,3,4,7,8,9-Heptachlorodibenzofuran	2.2	JB	0.52	49	pg/g	J	o,sp	TCDD resolution; < PQL	28	25 %
4402208432	RISB-ER-01-10.0-20180925	9/25/2018	SW8290	40321-76-4	1,2,3,7,8-Pentachlorodibenzo-p-dioxin		U	0.42	49	pg/g	UJ	c	ICAL Ion ratio; CCV %D	1.79; 35.5	1.32-1.78; 30 %
4402208432	RISB-ER-01-10.0-20180925	9/25/2018	SW8290	34465-46-8	HxCDD (total)	3.1	JqB	0.50	49	pg/g	J	bl,k,o,sp	MB contamination; EMPC; TCDD resolution; < PQL	7.21; 28	36.05; 25 pg/g; %
4402208432	RISB-ER-01-10.0-20180925	9/25/2018	SW8290	36088-22-9	PeCDD (total)		U	0.86	49	pg/g	UJ	c	ICAL Ion ratio; CCV %D	1.79; 35.5	1.32-1.78; 30 %
4402208432	RISB-ER-01-10.0-20180925	9/25/2018	SW8290	67562-39-4	1,2,3,4,6,7,8-Heptachlorodibenzofuran	0.79	JqB	0.42	49	pg/g	J	bl,k,o,sp	MB contamination; EMPC; TCDD resolution; < PQL	0.226; 28	1.13; 25 pg/g; %
4402208432	RISB-ER-01-10.0-20180925	9/25/2018	SW8290	3268-87-9	Octachlorodibenzo-p-dioxin	7.5	JqB	0.94	99	pg/g	J	bl,k,sp	MB contamination; EMPC; < PQL	12.1	60.5 pg/g
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	SW8290	70648-26-9	1,2,3,4,7,8-Hexachlorodibenzofuran	14	Jq	2.4	49	pg/g	J	k,o,sp	EMPC; TCDD resolution; < PQL	28	25 %
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	SW8290	55684-94-1	HxCDF (total)	53	B	2.4	49	pg/g	J	o	TCDD resolution	28	25 %
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	SW8290	34465-46-8	HxCDD (total)	9.9	JqB	0.66	49	pg/g	J	bl,k,o,sp	MB contamination; EMPC; TCDD resolution; < PQL	7.21; 28	36.05; 25 pg/g; %
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	SW8290	36088-22-9	PeCDD (total)	6.4	Jq	0.59	49	pg/g	J	c,k,o,sp	ICAL Ion ratio; CCV %D; EMPC; TCDD resolution; < PQL	1.79; 35.5; 28	1.32-1.78; 30; 25 %
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	SW8290	57117-31-4	2,3,4,7,8-Pentachlorodibenzofuran	4.3	J	0.84	49	pg/g	J	o,sp	TCDD resolution; < PQL	28	25 %
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	SW8290	67562-39-4	1,2,3,4,6,7,8-Heptachlorodibenzofuran	39	JB	0.97	49	pg/g	J	o,sp	TCDD resolution; < PQL	28	25 %
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	SW8290	72918-21-9	1,2,3,7,8,9-Hexachlorodibenzofuran	4.4	JqB	2.5	49	pg/g	J	k,o,sp	EMPC; TCDD resolution; < PQL	28	25 %
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	SW8290	40321-76-4	1,2,3,7,8-Pentachlorodibenzo-p-dioxin	0.78	Jq	0.59	49	pg/g	J	c,k,o,sp	ICAL Ion ratio; CCV %D; EMPC; TCDD	1.79; 35.5; 28	1.32-1.78; 30; 25 %
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	SW8290	30402-14-3	Tetrachlorodibenzofuran	25		0.54	9.8	pg/g	J	o	TCDD resolution	28	25 %
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	SW8290	35822-46-9	1,2,3,4,6,7,8-HpCDD	5.1	JqB	0.62	49	pg/g	J	bl,k,sp	MB contamination; EMPC; < PQL	1.02	5.1 pg/g
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	SW8290	57117-41-6	1,2,3,7,8-Pentachlorodibenzofuran	7.9	Jq	0.83	49	pg/g	J	k,o,sp	EMPC; TCDD resolution; < PQL	28	25 %
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	SW8290	30402-15-4	PeCDF (total)	72	B	0.83	49	pg/g	J	o	TCDD resolution	28	25 %
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	SW8290	38998-75-3	HpCDF (total)	80	B	1.1	49	pg/g	J	o	TCDD resolution	28	25 %
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	SW8290	57117-44-9	1,2,3,6,7,8-Hexachlorodibenzofuran	8.7	J	2.2	49	pg/g	J	o,sp	TCDD resolution; < PQL	28	25 %
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	SW8290	37871-00-4	HpCDD (total)	9.4	JqB	0.62	49	pg/g	J	bl,k,sp	MB contamination; EMPC; < PQL	2.02	10.1 pg/g
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	SW8290	41903-57-5	TCDD (total)	1.8	Jq	0.49	9.8	pg/g	J	k,o,sp	EMPC; TCDD resolution; < PQL	28	25 %
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	SW8290	19408-74-3	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	2.1	JqB	0.60	49	pg/g	J	k,o,sp	EMPC; TCDD resolution; < PQL	28	25 %
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	SW8290	3268-87-9	Octachlorodibenzo-p-dioxin	16	JB	1.7	98	pg/g	J	bl,sp	MB contamination; < PQL	12.1	60.5 pg/g
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	SW8290	51207-31-9	2,3,7,8-Tetrachlorodibenzofuran	9.1	J	0.54	9.8	pg/g	J	o,sp	TCDD resolution; < PQL	28	25 %
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	SW8290	57653-85-7	1,2,3,6,7,8-HxCDD	1.9	J	0.62	49	pg/g	J	bl,o,sp	MB contamination; TCDD resolution; < PQL	0.815; 28	4.075; 25 pg/g; %
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	SW8290	60851-34-5	2,3,4,6,7,8-Hexachlorodibenzofuran	2.5	Jq	2.3	49	pg/g	J	k,o,sp	EMPC; TCDD resolution; < PQL	28	25 %
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	SW8290	1746-01-6	2,3,7,8-Tetrachlorodibenzo-p-dioxin	1.1	Jq	0.49	9.8	pg/g	J	k,o,sp	EMPC; TCDD resolution; < PQL	28	25 %
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	SW8290	55673-89-7	1,2,3,4,7,8,9-Heptachlorodibenzofuran	15	JB	1.2	49	pg/g	J	o,sp	TCDD resolution; < PQL	28	25 %
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	SW8290	39001-02-0	Octachlorodibenzofuran	88	JB	1.4	98	pg/g	J	sp	< PQL		
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	SW8290	39227-28-6	1,2,3,4,7,8-HxCDD	2.5	JqB	0.75	49	pg/g	J	k,o,sp	EMPC; TCDD resolution; < PQL	28	25 %
4402208432	RISB-ER-03-10.0-20180925	9/25/2018	SW8290	36088-22-9	PeCDD (total)		U	0.67	55	pg/g	UJ	c	ICAL Ion ratio; CCV %D	1.79; 35.5	1.32-1.78; 30 %
4402208432	RISB-ER-03-10.0-20180925	9/25/2018	SW8290	41903-57-5	TCDD (total)	3.3	Jq	0.36	11	pg/g	J	k,o,sp	EMPC; TCDD resolution; < PQL	28	25 %
4402208432	RISB-ER-03-10.0-20180925	9/25/2018	SW8290	38998-75-3	HpCDF (total)	3.2	JqB	0.70	55	pg/g	J	k,o,sp	EMPC; TCDD resolution; < PQL	28	25 %
4402208432	RISB-ER-03-10.0-20180925	9/25/2018	SW8290	3268-87-9	Octachlorodibenzo-p-dioxin	15	JB	1.1	110	pg/g	J	bl,sp	MB contamination; < PQL	12.1	60.5 pg/g
4402208432	RISB-ER-03-10.0-20180925	9/25/2018	SW8290	1746-01-6	2,3,7,8-Tetrachlorodibenzo-p-dioxin	2.6	J	0.36	11	pg/g	J	o,sp	TCDD resolution; < PQL	28	25 %
4402208432	RISB-ER-03-10.0-20180925	9/25/2018	SW8290	55673-89-7	1,2,3,4,7,8,9-Heptachlorodibenzofuran	2.0	JB	0.76	55	pg/g	J	o,sp	TCDD resolution; < PQL	28	25 %
4402208432	RISB-ER-03-10.0-20180925	9/25/2018	SW8290	39001-02-0	Octachlorodibenzofuran	2.4	JB	0.77	110	pg/g	J	sp	< PQL		
4402208432	RISB-ER-03-10.0-20180925	9/25/2018	SW8290	67562-39-4	1,2,3,4,6,7,8-Heptachlorodibenzofuran	1.2	JqB	0.63	55	pg/g	J	k,o,sp	EMPC; TCDD resolution; < PQL	28	25 %
4402208432	RISB-ER-03-10.0-20180925	9/25/2018	SW8290	72918-21-9	1,2,3,7,8,9-Hexachlorodibenzofuran	1.6	JqB	0.61	55	pg/g	J	k,o,sp	EMPC; TCDD resolution; < PQL	28	25 %
4402208432	RISB-ER-03-10.0-20180925	9/25/2018	SW8290	35822-46-9	1,2,3,4,6,7,8-HpCDD	1.5	JB	0.25	55	pg/g	J	bl,sp	MB contamination; < PQL	1.02	5.1 pg/g
4402208432	RISB-ER-03-10.0-20180925	9/25/2018	SW8290	55684-94-1	HxCDF (total)	1.6	JqB	0.57	55	pg/g	J	bl,k,o,sp	MB contamination; EMPC; TCDD resolution; < PQL	0.229; 28	1.145; 25 pg/g; %

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte ¹	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator ²	Qualification Finding	Acceptance Criteria
4402208432	RISB-ER-03-10.0-20180925	9/25/2018	SW8290	37871-00-4	HpCDD (total)	3.5	JB	0.25	55	pg/g	J	bl,sp	MB contamination; < PQL	2.02	10.1 pg/g
4402208432	RISB-ER-03-10.0-20180925	9/25/2018	SW8290	40321-76-4	1,2,3,7,8-Pentachlorodibenzo-p-dioxin		U	0.41	55	pg/g	UJ	c	ICAL Ion ratio; CCV %D	1.79; 35.5	1.32-1.78; 30 %
4402209512	RISB-EJ-01-1.0-20180926	9/26/2018	SW8290	30402-14-3	Tetrachlorodibenzofuran	1.3	Jq	0.19	10	pg/g	J	c,k,o,sp	CCV %D; EMPC; TCDD resolution; < PQL	25.3; 28	20; 25 %
4402209512	RISB-EJ-01-1.0-20180926	9/26/2018	SW8290	39001-02-0	Octachlorodibenzofuran	6.2	JBq	0.82	100	pg/g	J	k,sp	EMPC; < PQL		
4402209512	RISB-EJ-01-1.0-20180926	9/26/2018	SW8290	57117-41-6	1,2,3,7,8-Pentachlorodibenzofuran	1.6	J	0.53	51	pg/g	J	o,sp	TCDD resolution; < PQL	28	25 %
4402209512	RISB-EJ-01-1.0-20180926	9/26/2018	SW8290	40321-76-4	1,2,3,7,8-Pentachlorodibenzo-p-dioxin		U	0.56	51	pg/g	UJ	c	ICAL Ion ratio; CCV %D	1.79; 35.5	1.32-1.78; 30 %
4402209512	RISB-EJ-01-1.0-20180926	9/26/2018	SW8290	67562-39-4	1,2,3,4,6,7,8-Heptachlorodibenzofuran	3.8	JB	0.58	51	pg/g	J	o,sp	TCDD resolution; < PQL	28	25 %
4402209512	RISB-EJ-01-1.0-20180926	9/26/2018	SW8290	57117-31-4	2,3,4,7,8-Pentachlorodibenzofuran	1.2	Jq	0.54	51	pg/g	J	k,o,sp	EMPC; TCDD resolution; < PQL	28	25 %
4402209512	RISB-EJ-01-1.0-20180926	9/26/2018	SW8290	36088-22-9	PeCDD (total)		U	1.1	51	pg/g	UJ	c	ICAL Ion ratio; CCV %D	1.79; 35.5	1.32-1.78; 30 %
4402209512	RISB-EJ-01-1.0-20180926	9/26/2018	SW8290	72918-21-9	1,2,3,7,8,9-Hexachlorodibenzofuran	1.4	JBq	0.72	51	pg/g	J	k,o,sp	EMPC; TCDD resolution; < PQL	28	25 %
4402209512	RISB-EJ-01-1.0-20180926	9/26/2018	SW8290	55684-94-1	HxCDF (total)	4.4	JBq	0.68	51	pg/g	J	k,o,sp	EMPC; TCDD resolution; < PQL	28	25 %
4402209512	RISB-EJ-01-1.0-20180926	9/26/2018	SW8290	3268-87-9	Octachlorodibenzo-p-dioxin	5.4	JBq	0.89	100	pg/g	J	bl,k,sp	MB contamination; EMPC; < PQL	12.1	60.5 pg/g
4402209512	RISB-EJ-01-1.0-20180926	9/26/2018	SW8290	30402-15-4	PeCDF (total)	6.5	JBq	0.54	51	pg/g	J	k,o,sp	EMPC; TCDD resolution; < PQL	28	25 %
4402209512	RISB-EJ-01-1.0-20180926	9/26/2018	SW8290	51207-31-9	2,3,7,8-Tetrachlorodibenzofuran	1.3	Jq	0.19	10	pg/g	J	c,k,o,sp	CCV %D; EMPC; TCDD resolution; < PQL	25.3; 28	20; 25 %
4402209512	RISB-EJ-01-1.0-20180926	9/26/2018	SW8290	41903-57-5	TCDD (total)	0.53	Jq	0.38	10	pg/g	J	k,o,sp	EMPC; TCDD resolution; < PQL	28	25 %
4402209512	RISB-EJ-01-1.0-20180926	9/26/2018	SW8290	38998-75-3	HpCDF (total)	8.4	JBq	0.64	51	pg/g	J	k,o,sp	EMPC; TCDD resolution; < PQL	28	25 %
4402209512	RISB-EJ-01-1.0-20180926	9/26/2018	SW8290	55673-89-7	1,2,3,4,7,8,9-Heptachlorodibenzofuran	3.1	JBq	0.71	51	pg/g	J	k,o,sp	EMPC; TCDD resolution; < PQL	28	25 %
4402209512	RISB-EJ-01-10.0-20180926	9/26/2018	SW8290	36088-22-9	PeCDD (total)	0.76	Jq	0.50	51	pg/g	J	c,k,o,sp	ICAL Ion ratio; CCV %D; EMPC; TCDD resolution; < PQL	1.79; 28	1.32-1.78; 25 %
4402209512	RISB-EJ-01-10.0-20180926	9/26/2018	SW8290	39227-28-6	1,2,3,4,7,8-HxCDD	1.4	JqB	0.54	51	pg/g	J	k,o,sp	EMPC; TCDD resolution; < PQL	28	25 %
4402209512	RISB-EJ-01-10.0-20180926	9/26/2018	SW8290	38998-75-3	HpCDF (total)	2.6	JB	0.91	51	pg/g	J	bl,o,sp	MB contamination; TCDD resolution; < PQL	0.636; 28	3.18; 25 pg/g; %
4402209512	RISB-EJ-01-10.0-20180926	9/26/2018	SW8290	3268-87-9	Octachlorodibenzo-p-dioxin	2.6	JB	0.96	100	pg/g	J	bl,sp	MB contamination; < PQL	12.1	60.5 pg/g
4402209512	RISB-EJ-01-10.0-20180926	9/26/2018	SW8290	51207-31-9	2,3,7,8-Tetrachlorodibenzofuran		U	0.29	10	pg/g	UJ	c	CCV %D	25.3	20 %
4402209512	RISB-EJ-01-10.0-20180926	9/26/2018	SW8290	55673-89-7	1,2,3,4,7,8,9-Heptachlorodibenzofuran	2.6	JB	1.0	51	pg/g	J	o,sp	TCDD resolution; < PQL	28	25 %
4402209512	RISB-EJ-01-10.0-20180926	9/26/2018	SW8290	34465-46-8	HxCDD (total)	1.4	JqB	0.48	51	pg/g	J	bl,k,o,sp	MB contamination; EMPC; TCDD resolution; < PQL	2.02; 28	10.1; 25 pg/g; %
4402209512	RISB-EJ-01-10.0-20180926	9/26/2018	SW8290	30402-14-3	Tetrachlorodibenzofuran		U	0.29	10	pg/g	UJ	c	CCV %D	25.3	20 %
4402209512	RISB-EJ-01-10.0-20180926	9/26/2018	SW8290	39001-02-0	Octachlorodibenzofuran	1.4	JqB	0.82	100	pg/g	J	bl,k,sp	MB contamination; EMPC; < PQL	0.412	2.06 pg/g
4402209512	RISB-EJ-01-10.0-20180926	9/26/2018	SW8290	35822-46-9	1,2,3,4,6,7,8-HpCDD	0.81	JqB	0.36	51	pg/g	J	bl,k,sp	MB contamination; EMPC; < PQL	1.02	5.1 pg/g
4402209512	RISB-EJ-01-10.0-20180926	9/26/2018	SW8290	57117-31-4	2,3,4,7,8-Pentachlorodibenzofuran	0.72	J	0.38	51	pg/g	J	o,sp	TCDD resolution; < PQL	28	25 %
4402209512	RISB-EJ-01-10.0-20180926	9/26/2018	SW8290	30402-15-4	PeCDF (total)	1.5	JqB	0.38	51	pg/g	J	k,o,sp	EMPC; TCDD resolution; < PQL	28	25 %
4402209512	RISB-EJ-01-10.0-20180926	9/26/2018	SW8290	72918-21-9	1,2,3,7,8,9-Hexachlorodibenzofuran	1.4	JqB	0.53	51	pg/g	J	k,o,sp	EMPC; TCDD resolution; < PQL	28	25 %
4402209512	RISB-EJ-01-10.0-20180926	9/26/2018	SW8290	40321-76-4	1,2,3,7,8-Pentachlorodibenzo-p-dioxin		U	0.50	51	pg/g	UJ	c	ICAL Ion ratio; CCV %D	1.79; 35.5	1.32-1.78; 30 %
4402209512	RISB-EJ-01-10.0-20180926	9/26/2018	SW8290	37871-00-4	HpCDD (total)	1.9	JqB	0.36	51	pg/g	J	bl,k,sp	MB contamination; EMPC; < PQL	2.02	10.1 pg/g
4402209512	RISB-EJ-01-10.0-20180926	9/26/2018	SW8290	55684-94-1	HxCDF (total)	1.4	JqB	0.50	51	pg/g	J	k,o,sp	EMPC; TCDD resolution; < PQL	28	25 %
4402275494	RIDB-34-1-20181212	12/12/2018	SW8290	30402-14-3	Tetrachlorodibenzofuran	160	qB	0.94	10	pg/g	J	k	EMPC		
4402275494	RIDB-34-1-20181212	12/12/2018	SW8290	3268-87-9	Octachlorodibenzo-p-dioxin	62	JB	0.46	100	pg/g	J	sp	< PQL		
4402275494	RIDB-34-1-20181212	12/12/2018	SW8290	1746-01-6	2,3,7,8-Tetrachlorodibenzo-p-dioxin	2.6	J	0.65	10	pg/g	J	sp	< PQL		
4402275494	RIDB-34-1-20181212	12/12/2018	SW8290	57653-85-7	1,2,3,6,7,8-HxCDD	5.1	Jq	0.37	51	pg/g	J	k,sp	EMPC; < PQL		
4402275494	RIDB-34-1-20181212	12/12/2018	SW8290	57117-41-6	1,2,3,7,8-Pentachlorodibenzofuran	39	JB	2.0	51	pg/g	J	sp	< PQL		
4402275494	RIDB-34-1-20181212	12/12/2018	SW8290	19408-74-3	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	7.3	JB	0.36	51	pg/g	J	sp	< PQL		
4402275494	RIDB-34-1-20181212	12/12/2018	SW8290	41903-57-5	TCDD (total)	14	q	0.65	10	pg/g	J	k	EMPC		
4402275494	RIDB-34-1-20181212	12/12/2018	SW8290	39227-28-6	1,2,3,4,7,8-HxCDD	5.2	JB	0.40	51	pg/g	J	sp	< PQL		
4402275494	RIDB-34-1-20181212	12/12/2018	SW8290	55684-94-1	HxCDF (total)	410	qB	2.4	51	pg/g	J	k	EMPC		
4402275494	RIDB-34-1-20181212	12/12/2018	SW8290	72918-21-9	1,2,3,7,8,9-Hexachlorodibenzofuran	12	JB	2.8	51	pg/g	J	sp	< PQL		
4402275494	RIDB-34-1-20181212	12/12/2018	SW8290	37871-00-4	HpCDD (total)	38	JB	0.36	51	pg/g	J	sp	< PQL		
4402275494	RIDB-34-1-20181212	12/12/2018	SW8290	57117-31-4	2,3,4,7,8-Pentachlorodibenzofuran	18	J	2.0	51	pg/g	J	sp	< PQL		
4402275494	RIDB-34-1-20181212	12/12/2018	SW8290	40321-76-4	1,2,3,7,8-Pentachlorodibenzo-p-dioxin	3.3	Jq	0.72	51	pg/g	J	sp	< PQL		
4402275494	RIDB-34-1-20181212	12/12/2018	SW8290	36088-22-9	PeCDD (total)	20	Jq	0.72	51	pg/g	J	k,sp	EMPC; < PQL		
4402275494	RIDB-34-1-20181212	12/12/2018	SW8290	34465-46-8	HxCDD (total)	41	JqB	0.37	51	pg/g	J	k,sp	EMPC; < PQL		
4402275494	RIDB-34-1-20181212	12/12/2018	SW8290	60851-34-5	2,3,4,6,7,8-Hexachlorodibenzofuran	15	JB	2.3	51	pg/g	J	sp	< PQL		
4402275494	RIDB-34-1-20181212	12/12/2018	SW8290	35822-46-9	1,2,3,4,6,7,8-HpCDD	26	JB	0.36	51	pg/g	J	sp	< PQL		
4402275494	RIDB-34-5-20181212	12/12/2018	SW8290	37871-00-4	HpCDD (total)	5.6	JB	0.18	55	pg/g	J	sp	< PQL		
4402275494	RIDB-34-5-20181212	12/12/2018	SW8290	38998-75-3	HpCDF (total)	25	JB	0.27	55	pg/g	J	sp	< PQL		
4402275494	RIDB-34-5-20181212	12/12/2018	SW8290	30402-14-3	Tetrachlorodibenzofuran	4.1	JqB	0.35	11	pg/g	J	k,sp	EMPC; < PQL		
4402275494	RIDB-34-5-20181212	12/12/2018	SW8290	35822-46-9	1,2,3,4,6,7,8-HpCDD	3.6	JB	0.18	55	pg/g	J	sp	< PQL		

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte ¹	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator ²	Qualification Finding	Acceptance Criteria
4402275494	RIDB-34-5-20181212	12/12/2018	SW8290	55684-94-1	HxCDF (total)	16	JqB	0.57	55	pg/g	J	k.sp	EMPC; < PQL		
4402275494	RIDB-34-5-20181212	12/12/2018	SW8290	70648-26-9	1,2,3,4,7,8-Hexachlorodibenzofuran	4.6	JqB	0.56	55	pg/g	J	k.sp	EMPC; < PQL		
4402275494	RIDB-34-5-20181212	12/12/2018	SW8290	72918-21-9	1,2,3,7,8,9-Hexachlorodibenzofuran	2.1	JB	0.66	55	pg/g	J	bl.sp	MB contamination; < PQL	0.434	2.17 pg/g
4402275494	RIDB-34-5-20181212	12/12/2018	SW8290	67562-39-4	1,2,3,4,6,7,8-Heptachlorodibenzofuran	12	JB	0.24	55	pg/g	J	sp	< PQL		
4402275494	RIDB-34-5-20181212	12/12/2018	SW8290	41903-57-5	TCDD (total)	1.7	Jq	0.54	11	pg/g	J	k.sp	EMPC; < PQL		
4402275494	RIDB-34-5-20181212	12/12/2018	SW8290	34465-46-8	HxCDD (total)	6.1	JqB	0.25	55	pg/g	J	k.sp	EMPC; < PQL		
4402275494	RIDB-34-5-20181212	12/12/2018	SW8290	30402-15-4	PeCDF (total)	5.5	JqB	0.41	55	pg/g	J	k.sp	EMPC; < PQL		
4402275494	RIDB-34-5-20181212	12/12/2018	SW8290	1746-01-6	2,3,7,8-Tetrachlorodibenzo-p-dioxin	1.7	Jq	0.54	11	pg/g	J	k.sp	EMPC; < PQL		
4402275494	RIDB-34-5-20181212	12/12/2018	SW8290	57117-41-6	1,2,3,7,8-Pentachlorodibenzofuran	1.19	JqB	0.41	55	pg/g	J	k.sp	EMPC; < PQL		
4402275494	RIDB-34-5-20181212	12/12/2018	SW8290	57117-44-9	1,2,3,6,7,8-Hexachlorodibenzofuran	2.8	JB	0.52	55	pg/g	J	sp	< PQL		
4402275494	RIDB-34-5-20181212	12/12/2018	SW8290	39001-02-0	Octachlorodibenzofuran	34	JB	0.46	110	pg/g	J	sp	< PQL		
4402275494	RIDB-34-5-20181212	12/12/2018	SW8290	55673-89-7	1,2,3,4,7,8,9-Heptachlorodibenzofuran	6.2	JB	0.29	55	pg/g	J	sp	< PQL		
4402275494	RIDB-34-5-20181212	12/12/2018	SW8290	3268-87-9	Octachlorodibenzo-p-dioxin	22	JB	0.36	110	pg/g	J	sp	< PQL		
4402275494	RIDB-34-5-20181212	12/12/2018	SW8290	51207-31-9	2,3,7,8-Tetrachlorodibenzofuran	1.5	JB	0.35	11	pg/g	J	sp	< PQL		
4402275494	RIDB-34-5-20181212	12/12/2018	SW8290	57653-85-7	1,2,3,6,7,8-HxCDD	1.2	Jq	0.25	55	pg/g	J	k.sp	EMPC; < PQL		
4402275494	RIDB-34-5-20181212	12/12/2018	SW8290	60851-34-5	2,3,4,6,7,8-Hexachlorodibenzofuran	0.81	JB	0.54	55	pg/g	J	sp	< PQL		
4402275494	RIDB-34-5-20181212	12/12/2018	SW8290	19408-74-3	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	1.4	JB	0.24	55	pg/g	J	sp	< PQL		
4402275494	RIDB-34-5-20181212	12/12/2018	SW8290	39227-28-6	1,2,3,4,7,8-HxCDD	2.1	JB	0.27	55	pg/g	J	sp	< PQL		
4402275494	RIDB-35-10-20181212	12/12/2018	SW8290	41903-57-5	TCDD (total)	0.36	Jq	0.11	9.7	pg/g	J	k.sp	EMPC; < PQL		
4402275494	RIDB-35-10-20181212	12/12/2018	SW8290	57117-41-6	1,2,3,7,8-Pentachlorodibenzofuran	0.68	JB	0.12	49	pg/g	J	sp	< PQL		
4402275494	RIDB-35-10-20181212	12/12/2018	SW8290	57117-44-9	1,2,3,6,7,8-Hexachlorodibenzofuran	0.54	JBq	0.13	49	pg/g	J	k.sp	EMPC; < PQL		
4402275494	RIDB-35-10-20181212	12/12/2018	SW8290	39001-02-0	Octachlorodibenzofuran	8.7	JB	0.14	97	pg/g	J	sp	< PQL		
4402275494	RIDB-35-10-20181212	12/12/2018	SW8290	3268-87-9	Octachlorodibenzo-p-dioxin	10	JB	0.17	97	pg/g	J	sp	< PQL		
4402275494	RIDB-35-10-20181212	12/12/2018	SW8290	51207-31-9	2,3,7,8-Tetrachlorodibenzofuran	0.39	JB	0.039	9.7	pg/g	J	sp	< PQL		
4402275494	RIDB-35-10-20181212	12/12/2018	SW8290	57653-85-7	1,2,3,6,7,8-HxCDD	0.38	J	0.091	49	pg/g	J	sp	< PQL		
4402275494	RIDB-35-10-20181212	12/12/2018	SW8290	1746-01-6	2,3,7,8-Tetrachlorodibenzo-p-dioxin	0.36	Jq	0.11	9.7	pg/g	J	k.sp	EMPC; < PQL		
4402275494	RIDB-35-10-20181212	12/12/2018	SW8290	38998-75-3	HpCDF (total)	9.3	JBq	0.17	49	pg/g	J	k.sp	EMPC; < PQL		
4402275494	RIDB-35-10-20181212	12/12/2018	SW8290	19408-74-3	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	0.40	JBq	0.089	49	pg/g	J	k.sp	EMPC; < PQL		
4402275494	RIDB-35-10-20181212	12/12/2018	SW8290	67562-39-4	1,2,3,4,6,7,8-Heptachlorodibenzofuran	4.4	JB	0.15	49	pg/g	J	sp	< PQL		
4402275494	RIDB-35-10-20181212	12/12/2018	SW8290	37871-00-4	HpCDD (total)	2.2	JB	0.079	49	pg/g	J	sp	< PQL		
4402275494	RIDB-35-10-20181212	12/12/2018	SW8290	30402-15-4	PeCDF (total)	1.5	JBq	0.12	49	pg/g	J	k.sp	EMPC; < PQL		
4402275494	RIDB-35-10-20181212	12/12/2018	SW8290	72918-21-9	1,2,3,7,8,9-Hexachlorodibenzofuran	4.1	JB	0.17	49	pg/g	J	sp	< PQL		
4402275494	RIDB-35-10-20181212	12/12/2018	SW8290	70648-26-9	1,2,3,4,7,8-Hexachlorodibenzofuran	2.5	JB	0.14	49	pg/g	J	sp	< PQL		
4402275494	RIDB-35-10-20181212	12/12/2018	SW8290	55673-89-7	1,2,3,4,7,8,9-Heptachlorodibenzofuran	3.7	JB	0.18	49	pg/g	J	sp	< PQL		
4402275494	RIDB-35-10-20181212	12/12/2018	SW8290	35822-46-9	1,2,3,4,6,7,8-HpCDD	0.94	JB	0.079	49	pg/g	J	sp	< PQL		
4402275494	RIDB-35-10-20181212	12/12/2018	SW8290	34465-46-8	HxCDD (total)	2.6	JBq	0.093	49	pg/g	J	k.sp	EMPC; < PQL		
4402275494	RIDB-35-10-20181212	12/12/2018	SW8290	30402-14-3	Tetrachlorodibenzofuran	0.77	JBq	0.039	9.7	pg/g	J	k.sp	EMPC; < PQL		
4402275494	RIDB-35-10-20181212	12/12/2018	SW8290	55684-94-1	HxCDF (total)	10	JBq	0.15	49	pg/g	J	k.sp	EMPC; < PQL		
4402275494	RIDB-35-10-20181212	12/12/2018	SW8290	39227-28-6	1,2,3,4,7,8-HxCDD	1.3	JB	0.099	49	pg/g	J	sp	< PQL		
4402275494	RIDB-35-1-20181212	12/12/2018	SW8290	40321-76-4	1,2,3,7,8-Pentachlorodibenzo-p-dioxin	0.98	J	0.17	43	pg/g	J	sp	< PQL		
4402275494	RIDB-35-1-20181212	12/12/2018	SW8290	55684-94-1	HxCDF (total)	94	Bq	0.59	43	pg/g	J	k	EMPC		
4402275494	RIDB-35-1-20181212	12/12/2018	SW8290	70648-26-9	1,2,3,4,7,8-Hexachlorodibenzofuran	25	JB	0.58	43	pg/g	J	sp	< PQL		
4402275494	RIDB-35-1-20181212	12/12/2018	SW8290	72918-21-9	1,2,3,7,8,9-Hexachlorodibenzofuran	6.5	JB	0.68	43	pg/g	J	sp	< PQL		
4402275494	RIDB-35-1-20181212	12/12/2018	SW8290	57117-31-4	2,3,4,7,8-Pentachlorodibenzofuran	4.5	J	0.37	43	pg/g	J	sp	< PQL		
4402275494	RIDB-35-1-20181212	12/12/2018	SW8290	37871-00-4	HpCDD (total)	9.4	JBq	0.14	43	pg/g	J	k.sp	EMPC; < PQL		
4402275494	RIDB-35-1-20181212	12/12/2018	SW8290	34465-46-8	HxCDD (total)	9.4	JBq	0.13	43	pg/g	J	k.sp	EMPC; < PQL		
4402275494	RIDB-35-1-20181212	12/12/2018	SW8290	35822-46-9	1,2,3,4,6,7,8-HpCDD	5.5	JB	0.14	43	pg/g	J	sp	< PQL		
4402275494	RIDB-35-1-20181212	12/12/2018	SW8290	41903-57-5	TCDD (total)	3.7	Jq	0.12	8.6	pg/g	J	k.sp	EMPC; < PQL		
4402275494	RIDB-35-1-20181212	12/12/2018	SW8290	36088-22-9	PeCDD (total)	2.9	Jq	0.17	43	pg/g	J	k.sp	EMPC; < PQL		
4402275494	RIDB-35-1-20181212	12/12/2018	SW8290	57653-85-7	1,2,3,6,7,8-HxCDD	1.4	J	0.13	43	pg/g	J	sp	< PQL		
4402275494	RIDB-35-1-20181212	12/12/2018	SW8290	1746-01-6	2,3,7,8-Tetrachlorodibenzo-p-dioxin	1.1	Jq	0.12	8.6	pg/g	J	k.sp	EMPC; < PQL		
4402275494	RIDB-35-1-20181212	12/12/2018	SW8290	30402-14-3	Tetrachlorodibenzofuran	33	Bq	0.18	8.6	pg/g	J	k	EMPC		
4402275494	RIDB-35-1-20181212	12/12/2018	SW8290	60851-34-5	2,3,4,6,7,8-Hexachlorodibenzofuran	3.6	JB	0.56	43	pg/g	J	sp	< PQL		
4402275494	RIDB-35-1-20181212	12/12/2018	SW8290	39227-28-6	1,2,3,4,7,8-HxCDD	1.9	JB	0.14	43	pg/g	J	sp	< PQL		
4402275494	RIDB-35-1-20181212	12/12/2018	SW8290	3268-87-9	Octachlorodibenzo-p-dioxin	14	JB	0.18	86	pg/g	J	sp	< PQL		
4402275494	RIDB-35-1-20181212	12/12/2018	SW8290	51207-31-9	2,3,7,8-Tetrachlorodibenzofuran	5.7	JB	0.53	8.6	pg/g	J	sp	< PQL		

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte ¹	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator ²	Qualification Finding	Acceptance Criteria
4402275494	RIDB-35-1-20181212	12/12/2018	SW8290	55673-89-7	1,2,3,4,7,8,9-Heptachlorodibenzofuran	29	JB	0.40	43	pg/g	J	sp	< PQL		
4402275494	RIDB-35-1-20181212	12/12/2018	SW8290	57117-44-9	1,2,3,6,7,8-Hexachlorodibenzofuran	15	JB	0.53	43	pg/g	J	sp	< PQL		
4402275494	RIDB-35-1-20181212	12/12/2018	SW8290	57117-41-6	1,2,3,7,8-Pentachlorodibenzofuran	12	JB	0.37	43	pg/g	J	sp	< PQL		
4402275494	RIDB-35-1-20181212	12/12/2018	SW8290	19408-74-3	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	1.7	JB	0.13	43	pg/g	J	sp	< PQL		
4402275494	RIDB-35-20-20181212	12/12/2018	SW8290	72918-21-9	1,2,3,7,8,9-Hexachlorodibenzofuran	4.4	JB	0.32	54	pg/g	J	sp	< PQL		
4402275494	RIDB-35-20-20181212	12/12/2018	SW8290	57653-85-7	1,2,3,6,7,8-HxCDD	0.46	Jq	0.24	54	pg/g	J	k.sp	EMPC; < PQL		
4402275494	RIDB-35-20-20181212	12/12/2018	SW8290	3268-87-9	Octachlorodibenzo-p-dioxin	7.8	JB	0.27	110	pg/g	J	sp	< PQL		
4402275494	RIDB-35-20-20181212	12/12/2018	SW8290	39001-02-0	Octachlorodibenzofuran	3.3	JqB	0.35	110	pg/g	J	k.sp	EMPC; < PQL		
4402275494	RIDB-35-20-20181212	12/12/2018	SW8290	19408-74-3	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	0.68	JB	0.23	54	pg/g	J	sp	< PQL		
4402275494	RIDB-35-20-20181212	12/12/2018	SW8290	57117-44-9	1,2,3,6,7,8-Hexachlorodibenzofuran	0.61	JB	0.25	54	pg/g	J	sp	< PQL		
4402275494	RIDB-35-20-20181212	12/12/2018	SW8290	60851-34-5	2,3,4,6,7,8-Hexachlorodibenzofuran	0.32	JqB	0.26	54	pg/g	J	k.sp	EMPC; < PQL		
4402275494	RIDB-35-20-20181212	12/12/2018	SW8290	55673-89-7	1,2,3,4,7,8-Heptachlorodibenzofuran	3.5	JB	0.21	54	pg/g	J	sp	< PQL		
4402275494	RIDB-35-20-20181212	12/12/2018	SW8290	57117-41-6	1,2,3,7,8-Pentachlorodibenzofuran	0.66	JB	0.25	54	pg/g	J	sp	< PQL		
4402275494	RIDB-35-20-20181212	12/12/2018	SW8290	51207-31-9	2,3,7,8-Tetrachlorodibenzofuran	0.45	JB	0.14	11	pg/g	J	sp	< PQL		
4402275494	RIDB-35-20-20181212	12/12/2018	SW8290	34465-46-8	HxCDD (total)	2.5	JqB	0.24	54	pg/g	J	k.sp	EMPC; < PQL		
4402275494	RIDB-35-20-20181212	12/12/2018	SW8290	39227-28-6	1,2,3,4,7,8-HxCDD	1.4	JB	0.26	54	pg/g	J	sp	< PQL		
4402275494	RIDB-35-20-20181212	12/12/2018	SW8290	35822-46-9	1,2,3,4,6,7,8-HpCDD	1.0	JB	0.16	54	pg/g	J	sp	< PQL		
4402275494	RIDB-35-20-20181212	12/12/2018	SW8290	30402-14-3	Tetrachlorodibenzofuran	0.45	JB	0.14	11	pg/g	J	sp	< PQL		
4402275494	RIDB-35-20-20181212	12/12/2018	SW8290	70648-26-9	1,2,3,4,7,8-Hexachlorodibenzofuran	1.2	JB	0.27	54	pg/g	J	sp	< PQL		
4402275494	RIDB-35-20-20181212	12/12/2018	SW8290	30402-15-4	PeCDF (total)	0.66	JB	0.25	54	pg/g	J	sp	< PQL		
4402275494	RIDB-35-20-20181212	12/12/2018	SW8290	67562-39-4	1,2,3,4,6,7,8-Heptachlorodibenzofuran	2.3	JB	0.18	54	pg/g	J	sp	< PQL		
4402275494	RIDB-35-20-20181212	12/12/2018	SW8290	37871-00-4	HpCDD (total)	2.4	JB	0.16	54	pg/g	J	sp	< PQL		
4402275494	RIDB-35-20-20181212	12/12/2018	SW8290	38998-75-3	HpCDF (total)	6.7	JB	0.19	54	pg/g	J	sp	< PQL		
4402275494	RIDB-35-20-20181212	12/12/2018	SW8290	55684-94-1	HxCDF (total)	6.5	JqB	0.28	54	pg/g	J	k.sp	EMPC; < PQL		
4402275494	RIDB-35-20-20181212	12/12/2018	SW8290	35822-46-9	1,2,3,4,6,7,8-HpCDD	1.8	JB	0.24	75	pg/g	J	sp	< PQL		
4402275494	RIDB-35-20-20181212	12/12/2018	SW8290	55684-94-1	HxCDF (total)	9.1	JqB	0.40	75	pg/g	J	k.sp	EMPC; < PQL		
4402275494	RIDB-35-30-20181212	12/12/2018	SW8290	70648-26-9	1,2,3,4,7,8-Hexachlorodibenzofuran	0.96	JB	0.39	75	pg/g	J	sp	< PQL		
4402275494	RIDB-35-30-20181212	12/12/2018	SW8290	72918-21-9	1,2,3,7,8,9-Hexachlorodibenzofuran	6.7	JB	0.46	75	pg/g	J	sp	< PQL		
4402275494	RIDB-35-30-20181212	12/12/2018	SW8290	67562-39-4	1,2,3,4,6,7,8-Heptachlorodibenzofuran	1.8	JB	0.26	75	pg/g	J	sp	< PQL		
4402275494	RIDB-35-30-20181212	12/12/2018	SW8290	34465-46-8	HxCDD (total)	6.7	JqB	0.28	75	pg/g	J	k.sp	EMPC; < PQL		
4402275494	RIDB-35-30-20181212	12/12/2018	SW8290	19408-74-3	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	1.1	JB	0.27	75	pg/g	J	sp	< PQL		
4402275494	RIDB-35-30-20181212	12/12/2018	SW8290	37871-00-4	HpCDD (total)	3.8	JqB	0.24	75	pg/g	J	k.sp	EMPC; < PQL		
4402275494	RIDB-35-30-20181212	12/12/2018	SW8290	38998-75-3	HpCDF (total)	8.4	JB	0.29	75	pg/g	J	sp	< PQL		
4402275494	RIDB-35-30-20181212	12/12/2018	SW8290	55673-89-7	1,2,3,4,7,8,9-Heptachlorodibenzofuran	4.9	JB	0.31	75	pg/g	J	sp	< PQL		
4402275494	RIDB-35-30-20181212	12/12/2018	SW8290	57117-44-9	1,2,3,6,7,8-Hexachlorodibenzofuran	0.48	JB	0.36	75	pg/g	J	sp	< PQL		
4402275494	RIDB-35-30-20181212	12/12/2018	SW8290	39001-02-0	Octachlorodibenzofuran	8.7	JB	0.54	150	pg/g	J	sp	< PQL		
4402275494	RIDB-35-30-20181212	12/12/2018	SW8290	3268-87-9	Octachlorodibenzo-p-dioxin	17	JB	0.43	150	pg/g	J	sp	< PQL		
4402275494	RIDB-35-30-20181212	12/12/2018	SW8290	57653-85-7	1,2,3,6,7,8-HxCDD	1.2	J	0.28	75	pg/g	J	sp	< PQL		
4402275494	RIDB-35-30-20181212	12/12/2018	SW8290	39227-28-6	1,2,3,4,7,8-HxCDD	2.0	JB	0.30	75	pg/g	J	sp	< PQL		
4402275494	RIDB-35-5-20181212	12/12/2018	SW8290	39227-28-6	1,2,3,4,7,8-HxCDD	2.9	JB	0.20	50	pg/g	J	sp	< PQL		
4402275494	RIDB-35-5-20181212	12/12/2018	SW8290	1746-01-6	2,3,7,8-Tetrachlorodibenzo-p-dioxin	0.86	Jq	0.16	10	pg/g	J	k.sp	EMPC; < PQL		
4402275494	RIDB-35-5-20181212	12/12/2018	SW8290	60851-34-5	2,3,4,6,7,8-Hexachlorodibenzofuran	8.4	JB	2.0	50	pg/g	J	sp	< PQL		
4402275494	RIDB-35-5-20181212	12/12/2018	SW8290	57117-44-9	1,2,3,6,7,8-Hexachlorodibenzofuran	41	JB	1.9	50	pg/g	J	sp	< PQL		
4402275494	RIDB-35-5-20181212	12/12/2018	SW8290	3268-87-9	Octachlorodibenzo-p-dioxin	29	JB	0.22	100	pg/g	J	sp	< PQL		
4402275494	RIDB-35-5-20181212	12/12/2018	SW8290	57117-41-6	1,2,3,7,8-Pentachlorodibenzofuran	30	JB	0.76	50	pg/g	J	sp	< PQL		
4402275494	RIDB-35-5-20181212	12/12/2018	SW8290	19408-74-3	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	3.8	JB	0.18	50	pg/g	J	sp	< PQL		
4402275494	RIDB-35-5-20181212	12/12/2018	SW8290	41903-57-5	TCDD (total)	12	q	0.16	10	pg/g	J	k	EMPC		
4402275494	RIDB-35-5-20181212	12/12/2018	SW8290	34465-46-8	HxCDD (total)	24	JqB	0.18	50	pg/g	J	k.sp	EMPC; < PQL		
4402275494	RIDB-35-5-20181212	12/12/2018	SW8290	40321-76-4	1,2,3,7,8-Pentachlorodibenzo-p-dioxin	2.4	J	0.28	50	pg/g	J	sp	< PQL		
4402275494	RIDB-35-5-20181212	12/12/2018	SW8290	36088-22-9	PeCDD (total)	15	Jq	0.28	50	pg/g	J	k.sp	EMPC; < PQL		
4402275494	RIDB-35-5-20181212	12/12/2018	SW8290	37871-00-4	HpCDD (total)	23	JB	0.17	50	pg/g	J	sp	< PQL		
4402275494	RIDB-35-5-20181212	12/12/2018	SW8290	30402-14-3	Tetrachlorodibenzofuran	110	Bq	0.63	10	pg/g	J	k	EMPC		
4402275494	RIDB-35-5-20181212	12/12/2018	SW8290	57117-31-4	2,3,4,7,8-Pentachlorodibenzofuran	15	J	0.76	50	pg/g	J	sp	< PQL		
4402275494	RIDB-35-5-20181212	12/12/2018	SW8290	30402-15-4	PeCDF (total)	170	Bq	0.76	50	pg/g	J	k	EMPC		
4402275494	RIDB-35-5-20181212	12/12/2018	SW8290	72918-21-9	1,2,3,7,8,9-Hexachlorodibenzofuran	11	JB	2.4	50	pg/g	J	sp	< PQL		
4402275494	RIDB-35-5-20181212	12/12/2018	SW8290	35822-46-9	1,2,3,4,6,7,8-HpCDD	14	JB	0.17	50	pg/g	J	sp	< PQL		

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte ¹	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator ²	Qualification Finding	Acceptance Criteria
4402275494	RIDB-35-5-20181212	12/12/2018	SW8290	57653-85-7	1,2,3,6,7,8-HxCDD	3.8	J	0.18	50	pg/g	J	sp	< PQL		
4402276794	RIDB-34-10-20181213	12/13/2018	SW8290	41903-57-5	TCDD (total)	1.2	JqB	0.21	10	pg/g	J	k.sp	EMPC; < PQL		
4402276794	RIDB-34-10-20181213	12/13/2018	SW8290	57117-41-6	1,2,3,7,8-Pentachlorodibenzofuran	3.0	JB	0.20	52	pg/g	J	sp	< PQL		
4402276794	RIDB-34-10-20181213	12/13/2018	SW8290	57653-85-7	1,2,3,6,7,8-HxCDD	1.4	JB	0.21	52	pg/g	J	sp	< PQL		
4402276794	RIDB-34-10-20181213	12/13/2018	SW8290	3268-87-9	Octachlorodibenzo-p-dioxin	17	JB	0.43	100	pg/g	J	sp	< PQL		
4402276794	RIDB-34-10-20181213	12/13/2018	SW8290	60851-34-5	2,3,4,6,7,8-Hexachlorodibenzofuran	0.43	Jq	0.29	52	pg/g	J	k.sp	EMPC; < PQL		
4402276794	RIDB-34-10-20181213	12/13/2018	SW8290	1746-01-6	2,3,7,8-Tetrachlorodibenzo-p-dioxin	1.2	JqB	0.21	10	pg/g	J	k.sp	EMPC; < PQL		
4402276794	RIDB-34-10-20181213	12/13/2018	SW8290	55673-89-7	1,2,3,4,7,8,9-Heptachlorodibenzofuran	3.0	JB	0.28	52	pg/g	J	sp	< PQL		
4402276794	RIDB-34-10-20181213	12/13/2018	SW8290	39001-02-0	Octachlorodibenzofuran	5.2	JB	0.59	100	pg/g	J	sp	< PQL		
4402276794	RIDB-34-10-20181213	12/13/2018	SW8290	57117-44-9	1,2,3,6,7,8-Hexachlorodibenzofuran	0.71	JqB	0.28	52	pg/g	J	k.sp	EMPC; < PQL		
4402276794	RIDB-34-10-20181213	12/13/2018	SW8290	30402-15-4	PeCDF (total)	3.0	JB	0.20	52	pg/g	J	sp	< PQL		
4402276794	RIDB-34-10-20181213	12/13/2018	SW8290	19408-74-3	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	3.1	JB	0.20	52	pg/g	J	sp	< PQL		
4402276794	RIDB-34-10-20181213	12/13/2018	SW8290	35822-46-9	1,2,3,4,6,7,8-HpCDD	1.7	JB	0.22	52	pg/g	J	sp	< PQL		
4402276794	RIDB-34-10-20181213	12/13/2018	SW8290	38998-75-3	HpCDF (total)	4.4	JqB	0.26	52	pg/g	J	k.sp	EMPC; < PQL		
4402276794	RIDB-34-10-20181213	12/13/2018	SW8290	72918-21-9	1,2,3,7,8,9-Hexachlorodibenzofuran	16	JB	0.35	52	pg/g	J	sp	< PQL		
4402276794	RIDB-34-10-20181213	12/13/2018	SW8290	34465-46-8	HxCDD (total)	6.8	JqB	0.21	52	pg/g	J	k.sp	EMPC; < PQL		
4402276794	RIDB-34-10-20181213	12/13/2018	SW8290	37871-00-4	HpCDD (total)	3.2	JB	0.22	52	pg/g	J	sp	< PQL		
4402276794	RIDB-34-10-20181213	12/13/2018	SW8290	67562-39-4	1,2,3,4,6,7,8-Heptachlorodibenzofuran	1.4	JqB	0.24	52	pg/g	J	k.sp	EMPC; < PQL		
4402276794	RIDB-34-10-20181213	12/13/2018	SW8290	39227-28-6	1,2,3,4,7,8-HxCDD	2.0	JB	0.23	52	pg/g	J	sp	< PQL		
4402276794	RIDB-34-10-20181213	12/13/2018	SW8290	55684-94-1	HxCDF (total)	18	JqB	0.30	52	pg/g	J	k.sp	EMPC; < PQL		
4402276794	RIDB-34-20-20181213	12/13/2018	SW8290	57117-44-9	1,2,3,6,7,8-Hexachlorodibenzofuran	1.1	JB	0.39	58	pg/g	J	sp	< PQL		
4402276794	RIDB-34-20-20181213	12/13/2018	SW8290	67562-39-4	1,2,3,4,6,7,8-Heptachlorodibenzofuran	1.1	JqB	0.27	58	pg/g	J	k.sp	EMPC; < PQL		
4402276794	RIDB-34-20-20181213	12/13/2018	SW8290	55684-94-1	HxCDF (total)	21	JqB	0.43	58	pg/g	J	k.sp	EMPC; < PQL		
4402276794	RIDB-34-20-20181213	12/13/2018	SW8290	30402-14-3	Tetrachlorodibenzofuran	0.39	JqB	0.19	12	pg/g	J	k.sp	EMPC; < PQL		
4402276794	RIDB-34-20-20181213	12/13/2018	SW8290	35822-46-9	1,2,3,4,6,7,8-HpCDD	1.4	JqB	0.21	58	pg/g	J	k.sp	EMPC; < PQL		
4402276794	RIDB-34-20-20181213	12/13/2018	SW8290	30402-15-4	PeCDF (total)	4.6	JB	0.32	58	pg/g	J	sp	< PQL		
4402276794	RIDB-34-20-20181213	12/13/2018	SW8290	72918-21-9	1,2,3,7,8,9-Hexachlorodibenzofuran	20	JB	0.49	58	pg/g	J	sp	< PQL		
4402276794	RIDB-34-20-20181213	12/13/2018	SW8290	34465-46-8	HxCDD (total)	5.5	JqB	0.26	58	pg/g	J	k.sp	EMPC; < PQL		
4402276794	RIDB-34-20-20181213	12/13/2018	SW8290	37871-00-4	HpCDD (total)	2.9	JqB	0.21	58	pg/g	J	k.sp	EMPC; < PQL		
4402276794	RIDB-34-20-20181213	12/13/2018	SW8290	3268-87-9	Octachlorodibenzo-p-dioxin	8.6	JB	0.34	120	pg/g	J	sp	< PQL		
4402276794	RIDB-34-20-20181213	12/13/2018	SW8290	38998-75-3	HpCDF (total)	4.2	JqB	0.29	58	pg/g	J	k.sp	EMPC; < PQL		
4402276794	RIDB-34-20-20181213	12/13/2018	SW8290	39227-28-6	1,2,3,4,7,8-HxCDD	1.7	JB	0.28	58	pg/g	J	sp	< PQL		
4402276794	RIDB-34-20-20181213	12/13/2018	SW8290	51207-31-9	2,3,7,8-Tetrachlorodibenzofuran	0.39	JqB	0.19	12	pg/g	J	k.sp	EMPC; < PQL		
4402276794	RIDB-34-20-20181213	12/13/2018	SW8290	55673-89-7	1,2,3,4,7,8,9-Heptachlorodibenzofuran	3.1	JB	0.32	58	pg/g	J	sp	< PQL		
4402276794	RIDB-34-20-20181213	12/13/2018	SW8290	39001-02-0	Octachlorodibenzofuran	5.2	JB	0.44	120	pg/g	J	sp	< PQL		
4402276794	RIDB-34-20-20181213	12/13/2018	SW8290	57117-41-6	1,2,3,7,8-Pentachlorodibenzofuran	4.2	JB	0.32	58	pg/g	J	sp	< PQL		
4402276794	RIDB-34-20-20181213	12/13/2018	SW8290	19408-74-3	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	2.8	JB	0.25	58	pg/g	J	sp	< PQL		
4402276794	RIDB-34-20-20181213	12/13/2018	SW8290	57653-85-7	1,2,3,6,7,8-HxCDD	1.0	JqB	0.26	58	pg/g	J	k.sp	EMPC; < PQL		
4402276794	RIDB-34-30-20181213	12/13/2018	SW8290	67562-39-4	1,2,3,4,6,7,8-Heptachlorodibenzofuran	0.70	JqB	0.23	58	pg/g	J	k.sp	EMPC; < PQL		
4402276794	RIDB-34-30-20181213	12/13/2018	SW8290	51207-31-9	2,3,7,8-Tetrachlorodibenzofuran	0.28	JB	0.13	12	pg/g	J	sp	< PQL		
4402276794	RIDB-34-30-20181213	12/13/2018	SW8290	55673-89-7	1,2,3,4,7,8,9-Heptachlorodibenzofuran	2.7	JB	0.28	58	pg/g	J	sp	< PQL		
4402276794	RIDB-34-30-20181213	12/13/2018	SW8290	39001-02-0	Octachlorodibenzofuran	1.5	JqB	0.38	120	pg/g	J	bl,k.sp	MB contamination; < PQL	0.364	1.82 pg/g
4402276794	RIDB-34-30-20181213	12/13/2018	SW8290	57117-44-9	1,2,3,6,7,8-Hexachlorodibenzofuran	0.72	JqB	0.43	58	pg/g	J	k.sp	EMPC; < PQL		
4402276794	RIDB-34-30-20181213	12/13/2018	SW8290	57117-41-6	1,2,3,7,8-Pentachlorodibenzofuran	3.3	JB	0.24	58	pg/g	J	sp	< PQL		
4402276794	RIDB-34-30-20181213	12/13/2018	SW8290	19408-74-3	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	0.49	JqB	0.23	58	pg/g	J	k.sp	EMPC; < PQL		
4402276794	RIDB-34-30-20181213	12/13/2018	SW8290	3268-87-9	Octachlorodibenzo-p-dioxin	4.5	JB	0.33	120	pg/g	J	bl.sp	MB contamination; < PQL	1.33	6.65 pg/g
4402276794	RIDB-34-30-20181213	12/13/2018	SW8290	37871-00-4	HpCDD (total)	2.2	JqB	0.19	58	pg/g	J	k.sp	EMPC; < PQL		
4402276794	RIDB-34-30-20181213	12/13/2018	SW8290	34465-46-8	HxCDD (total)	2.1	JqB	0.24	58	pg/g	J	bl,k.sp	MB contamination; < PQL	0.554	2.77 pg/g
4402276794	RIDB-34-30-20181213	12/13/2018	SW8290	72918-21-9	1,2,3,7,8,9-Hexachlorodibenzofuran	19	JB	0.54	58	pg/g	J	sp	< PQL		
4402276794	RIDB-34-30-20181213	12/13/2018	SW8290	30402-15-4	PeCDF (total)	3.3	JB	0.24	58	pg/g	J	sp	< PQL		
4402276794	RIDB-34-30-20181213	12/13/2018	SW8290	35822-46-9	1,2,3,4,6,7,8-HpCDD	0.88	JB	0.19	58	pg/g	J	sp	< PQL		
4402276794	RIDB-34-30-20181213	12/13/2018	SW8290	30402-14-3	Tetrachlorodibenzofuran	0.28	JB	0.13	12	pg/g	J	sp	< PQL		
4402276794	RIDB-34-30-20181213	12/13/2018	SW8290	55684-94-1	HxCDF (total)	20	JqB	0.47	58	pg/g	J	k.sp	EMPC; < PQL		
4402276794	RIDB-34-30-20181213	12/13/2018	SW8290	39227-28-6	1,2,3,4,7,8-HxCDD	1.6	JB	0.26	58	pg/g	J	sp	< PQL		
4402276794	RIDB-34-30-20181213	12/13/2018	SW8290	38998-75-3	HpCDF (total)	3.4	JqB	0.25	58	pg/g	J	k.sp	EMPC; < PQL		
4402276794	RIDB-36-10-20181213	12/13/2018	SW8290	37871-00-4	HpCDD (total)	3.0	JB	0.11	56	pg/g	J	sp	< PQL		

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte ¹	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator ²	Qualification Finding	Acceptance Criteria
4402276794	RIDB-36-10-20181213	12/13/2018	SW8290	67562-39-4	1,2,3,4,6,7,8-Heptachlorodibenzofuran	1.4	JB	0.19	56	pg/g	J	sp	< PQL		
4402276794	RIDB-36-10-20181213	12/13/2018	SW8290	57117-31-4	2,3,4,7,8-Pentachlorodibenzofuran	0.39	J	0.24	56	pg/g	J	sp	< PQL		
4402276794	RIDB-36-10-20181213	12/13/2018	SW8290	55684-94-1	HxCDF (total)	18	JqB	0.42	56	pg/g	J	k,sp	EMPC; < PQL		
4402276794	RIDB-36-10-20181213	12/13/2018	SW8290	34465-46-8	HxCDD (total)	3.2	JqB	0.16	56	pg/g	J	k,sp	EMPC; < PQL		
4402276794	RIDB-36-10-20181213	12/13/2018	SW8290	39227-28-6	1,2,3,4,7,8-HxCDD	1.7	JB	0.17	56	pg/g	J	sp	< PQL		
4402276794	RIDB-36-10-20181213	12/13/2018	SW8290	30402-15-4	PeCDF (total)	3.8	JB	0.24	56	pg/g	J	sp	< PQL		
4402276794	RIDB-36-10-20181213	12/13/2018	SW8290	30402-14-3	Tetrachlorodibenzofuran	0.23	JqB	0.11	11	pg/g	J	k,sp	EMPC; < PQL		
4402276794	RIDB-36-10-20181213	12/13/2018	SW8290	35822-46-9	1,2,3,4,6,7,8-HpCDD	2.0	JB	0.11	56	pg/g	J	sp	< PQL		
4402276794	RIDB-36-10-20181213	12/13/2018	SW8290	3268-87-9	Octachlorodibenzo-p-dioxin	12	JB	0.24	110	pg/g	J	sp	< PQL		
4402276794	RIDB-36-10-20181213	12/13/2018	SW8290	38998-75-3	HpCDF (total)	4.4	JB	0.21	56	pg/g	J	sp	< PQL		
4402276794	RIDB-36-10-20181213	12/13/2018	SW8290	51207-31-9	2,3,7,8-Tetrachlorodibenzofuran	0.23	JqB	0.11	11	pg/g	J	k,sp	EMPC; < PQL		
4402276794	RIDB-36-10-20181213	12/13/2018	SW8290	72918-21-9	1,2,3,7,8,9-Hexachlorodibenzofuran	17	JB	0.48	56	pg/g	J	sp	< PQL		
4402276794	RIDB-36-10-20181213	12/13/2018	SW8290	60851-34-5	2,3,4,6,7,8-Hexachlorodibenzofuran	0.43	Jq	0.39	56	pg/g	J	k,sp	EMPC; < PQL		
4402276794	RIDB-36-10-20181213	12/13/2018	SW8290	39001-02-0	Octachlorodibenzofuran	7.4	JB	0.30	110	pg/g	J	sp	< PQL		
4402276794	RIDB-36-10-20181213	12/13/2018	SW8290	57117-41-6	1,2,3,7,8-Pentachlorodibenzofuran	3.5	JB	0.24	56	pg/g	J	sp	< PQL		
4402276794	RIDB-36-10-20181213	12/13/2018	SW8290	55673-89-7	1,2,3,4,7,8,9-Heptachlorodibenzofuran	3.0	JB	0.22	56	pg/g	J	sp	< PQL		
4402276794	RIDB-36-10-20181213	12/13/2018	SW8290	57117-44-9	1,2,3,6,7,8-Hexachlorodibenzofuran	0.95	JB	0.38	56	pg/g	J	sp	< PQL		
4402276794	RIDB-36-10-20181213	12/13/2018	SW8290	19408-74-3	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	1.0	JB	0.15	56	pg/g	J	sp	< PQL		
4402276794	RIDB-36-10-20181213	12/13/2018	SW8290	57653-85-7	1,2,3,6,7,8-HxCDD	0.51	JqB	0.16	56	pg/g	J	bl,k,sp	MB contamination; < PQL	0.102	0.51 pg/g
4402276794	RIDB-36-1-20181213	12/13/2018	SW8290	39001-02-0	Octachlorodibenzofuran	78	JB	0.25	99	pg/g	J	sp	< PQL		
4402276794	RIDB-36-1-20181213	12/13/2018	SW8290	19408-74-3	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	1.3	JqB	0.17	50	pg/g	J	k,sp	EMPC; < PQL		
4402276794	RIDB-36-1-20181213	12/13/2018	SW8290	57117-44-9	1,2,3,6,7,8-Hexachlorodibenzofuran	7.4	JB	0.64	50	pg/g	J	sp	< PQL		
4402276794	RIDB-36-1-20181213	12/13/2018	SW8290	55673-89-7	1,2,3,4,7,8,9-Heptachlorodibenzofuran	12	JB	0.32	50	pg/g	J	sp	< PQL		
4402276794	RIDB-36-1-20181213	12/13/2018	SW8290	57117-41-6	1,2,3,7,8-Pentachlorodibenzofuran	7.7	JB	0.30	50	pg/g	J	sp	< PQL		
4402276794	RIDB-36-1-20181213	12/13/2018	SW8290	1746-01-6	2,3,7,8-Tetrachlorodibenzo-p-dioxin	0.99	JqB	0.25	9.9	pg/g	J	k,sp	EMPC; < PQL		
4402276794	RIDB-36-1-20181213	12/13/2018	SW8290	60851-34-5	2,3,4,6,7,8-Hexachlorodibenzofuran	1.7	J	0.66	50	pg/g	J	sp	< PQL		
4402276794	RIDB-36-1-20181213	12/13/2018	SW8290	3268-87-9	Octachlorodibenzo-p-dioxin	47	JB	0.22	99	pg/g	J	sp	< PQL		
4402276794	RIDB-36-1-20181213	12/13/2018	SW8290	41903-57-5	TCDD (total)	1.9	JqB	0.25	9.9	pg/g	J	k,sp	EMPC; < PQL		
4402276794	RIDB-36-1-20181213	12/13/2018	SW8290	57653-85-7	1,2,3,6,7,8-HxCDD	1.6	JB	0.18	50	pg/g	J	sp	< PQL		
4402276794	RIDB-36-1-20181213	12/13/2018	SW8290	36088-22-9	PeCDD (total)	2.4	Jq	0.23	50	pg/g	J	k,sp	EMPC; < PQL		
4402276794	RIDB-36-1-20181213	12/13/2018	SW8290	51207-31-9	2,3,7,8-Tetrachlorodibenzofuran	5.3	JB	0.21	9.9	pg/g	J	sp	< PQL		
4402276794	RIDB-36-1-20181213	12/13/2018	SW8290	30402-15-4	PeCDF (total)	30	JqB	0.29	50	pg/g	J	k,sp	EMPC; < PQL		
4402276794	RIDB-36-1-20181213	12/13/2018	SW8290	55684-94-1	HxCDF (total)	59	qB	0.70	50	pg/g	J	k	EMPC		
4402276794	RIDB-36-1-20181213	12/13/2018	SW8290	57117-31-4	2,3,4,7,8-Pentachlorodibenzofuran	2.5	J	0.29	50	pg/g	J	sp	< PQL		
4402276794	RIDB-36-1-20181213	12/13/2018	SW8290	35822-46-9	1,2,3,4,6,7,8-HpCDD	7.0	JB	0.15	50	pg/g	J	sp	< PQL		
4402276794	RIDB-36-1-20181213	12/13/2018	SW8290	39227-28-6	1,2,3,4,7,8-HxCDD	1.5	JqB	0.19	50	pg/g	J	k,sp	EMPC; < PQL		
4402276794	RIDB-36-1-20181213	12/13/2018	SW8290	72918-21-9	1,2,3,7,8,9-Hexachlorodibenzofuran	15	JB	0.81	50	pg/g	J	sp	< PQL		
4402276794	RIDB-36-1-20181213	12/13/2018	SW8290	70648-26-9	1,2,3,4,7,8-Hexachlorodibenzofuran	10	J	0.69	50	pg/g	J	sp	< PQL		
4402276794	RIDB-36-1-20181213	12/13/2018	SW8290	40321-76-4	1,2,3,7,8-Pentachlorodibenzo-p-dioxin	0.48	Jq	0.23	50	pg/g	J	k,sp	EMPC; < PQL		
4402276794	RIDB-36-1-20181213	12/13/2018	SW8290	34465-46-8	HxCDD (total)	10	JqB	0.18	50	pg/g	J	k,sp	EMPC; < PQL		
4402276794	RIDB-36-1-20181213	12/13/2018	SW8290	37871-00-4	HpCDD (total)	11	JB	0.15	50	pg/g	J	sp	< PQL		
4402276794	RIDB-36-1-20181213	12/13/2018	SW8290	67562-39-4	1,2,3,4,6,7,8-Heptachlorodibenzofuran	32	JB	0.27	50	pg/g	J	sp	< PQL		
4402276794	RIDB-36-1-20181213	12/13/2018	SW8290	30402-14-3	Tetrachlorodibenzofuran	19	qB	0.21	9.9	pg/g	J	k	EMPC		
4402276794	RIDB-36-20-20181213	12/13/2018	SW8290	38998-75-3	HpCDF (total)	1.3	JB	0.19	48	pg/g	J	sp	< PQL		
4402276794	RIDB-36-20-20181213	12/13/2018	SW8290	35822-46-9	1,2,3,4,6,7,8-HpCDD	0.82	JqB	0.16	48	pg/g	J	k,sp	EMPC; < PQL		
4402276794	RIDB-36-20-20181213	12/13/2018	SW8290	30402-15-4	PeCDF (total)	2.8	JB	0.37	48	pg/g	J	sp	< PQL		
4402276794	RIDB-36-20-20181213	12/13/2018	SW8290	72918-21-9	1,2,3,7,8,9-Hexachlorodibenzofuran	10	JB	0.53	48	pg/g	J	sp	< PQL		
4402276794	RIDB-36-20-20181213	12/13/2018	SW8290	34465-46-8	HxCDD (total)	2.9	JqB	0.24	48	pg/g	J	k,sp	EMPC; < PQL		
4402276794	RIDB-36-20-20181213	12/13/2018	SW8290	55684-94-1	HxCDF (total)	10	JB	0.46	48	pg/g	J	sp	< PQL		
4402276794	RIDB-36-20-20181213	12/13/2018	SW8290	19408-74-3	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	0.46	JqB	0.23	48	pg/g	J	k,sp	EMPC; < PQL		
4402276794	RIDB-36-20-20181213	12/13/2018	SW8290	57117-41-6	1,2,3,7,8-Pentachlorodibenzofuran	2.8	JB	0.37	48	pg/g	J	sp	< PQL		
4402276794	RIDB-36-20-20181213	12/13/2018	SW8290	55673-89-7	1,2,3,4,7,8,9-Heptachlorodibenzofuran	1.3	JB	0.21	48	pg/g	J	sp	< PQL		
4402276794	RIDB-36-20-20181213	12/13/2018	SW8290	39001-02-0	Octachlorodibenzofuran	0.95	JqB	0.46	96	pg/g	J	bl,k,sp	MB contamination; < PQL	0.364	1.82 pg/g
4402276794	RIDB-36-20-20181213	12/13/2018	SW8290	3268-87-9	Octachlorodibenzo-p-dioxin	5.1	JB	0.26	96	pg/g	J	bl,sp	MB contamination; < PQL	1.33	6.65 pg/g
4402276794	RIDB-36-20-20181213	12/13/2018	SW8290	37871-00-4	HpCDD (total)	2.1	JqB	0.16	48	pg/g	J	k,sp	EMPC; < PQL		
4402276794	RIDB-36-20-20181213	12/13/2018	SW8290	39227-28-6	1,2,3,4,7,8-HxCDD	1.6	JB	0.25	48	pg/g	J	sp	< PQL		

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte ¹	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator ²	Qualification Finding	Acceptance Criteria
4402276794	RIDB-36-30-20181213	12/13/2018	SW8290	1746-01-6	2,3,7,8-Tetrachlorodibenzo-p-dioxin	3.4	JqB	0.74	13	pg/g	J	k,sp	EMPC; < PQL		
4402276794	RIDB-36-30-20181213	12/13/2018	SW8290	3268-87-9	Octachlorodibenzo-p-dioxin	6.4	JB	0.31	130	pg/g	J	bl,sp	MB contamination; < PQL	1.33	6.65 pg/g
4402276794	RIDB-36-30-20181213	12/13/2018	SW8290	55673-89-7	1,2,3,4,7,8,9-Heptachlorodibenzofuran	2.5	JB	0.31	67	pg/g	J	sp	< PQL		
4402276794	RIDB-36-30-20181213	12/13/2018	SW8290	57117-44-9	1,2,3,6,7,8-Hexachlorodibenzofuran	1.0	JqB	0.48	67	pg/g	J	k,sp	EMPC; < PQL		
4402276794	RIDB-36-30-20181213	12/13/2018	SW8290	57117-41-6	1,2,3,7,8-Pentachlorodibenzofuran	4.4	JB	0.49	67	pg/g	J	sp	< PQL		
4402276794	RIDB-36-30-20181213	12/13/2018	SW8290	38998-75-3	HpCDF (total)	3.0	JB	0.28	67	pg/g	J	sp	< PQL		
4402276794	RIDB-36-30-20181213	12/13/2018	SW8290	41903-57-5	TCDD (total)	3.4	JqB	0.74	13	pg/g	J	k,sp	EMPC; < PQL		
4402276794	RIDB-36-30-20181213	12/13/2018	SW8290	67562-39-4	1,2,3,4,6,7,8-Heptachlorodibenzofuran	0.59	JB	0.26	67	pg/g	J	sp	< PQL		
4402276794	RIDB-36-30-20181213	12/13/2018	SW8290	37871-00-4	HpCDD (total)	2.3	JqB	0.23	67	pg/g	J	k,sp	EMPC; < PQL		
4402276794	RIDB-36-30-20181213	12/13/2018	SW8290	34465-46-8	HxCDD (total)	2.6	JB	0.36	67	pg/g	J	bl,sp	MB contamination; < PQL	0.554	2.77 pg/g
4402276794	RIDB-36-30-20181213	12/13/2018	SW8290	72918-21-9	1,2,3,7,8,9-Hexachlorodibenzofuran	17	JB	0.61	67	pg/g	J	sp	< PQL		
4402276794	RIDB-36-30-20181213	12/13/2018	SW8290	30402-15-4	PeCDF (total)	4.4	JB	0.49	67	pg/g	J	sp	< PQL		
4402276794	RIDB-36-30-20181213	12/13/2018	SW8290	35822-46-9	1,2,3,4,6,7,8-HpCDD	0.95	JqB	0.23	67	pg/g	J	k,sp	EMPC; < PQL		
4402276794	RIDB-36-30-20181213	12/13/2018	SW8290	55684-94-1	HxCDF (total)	18	JqB	0.52	67	pg/g	J	k,sp	EMPC; < PQL		
4402276794	RIDB-36-30-20181213	12/13/2018	SW8290	57653-85-7	1,2,3,6,7,8-HxCDD	0.69	JB	0.36	67	pg/g	J	sp	< PQL		
4402276794	RIDB-36-30-20181213	12/13/2018	SW8290	39227-28-6	1,2,3,4,7,8-HxCDD	1.9	JB	0.39	67	pg/g	J	sp	< PQL		
4402276794	RIDB-36-5-20181213	12/13/2018	SW8290	30402-14-3	Tetrachlorodibenzofuran	110	qB	0.56	9.3	pg/g	J	k	EMPC		
4402276794	RIDB-36-5-20181213	12/13/2018	SW8290	36088-22-9	PeCDD (total)	13	Jq	0.33	47	pg/g	J	k,sp	EMPC; < PQL		
4402276794	RIDB-36-5-20181213	12/13/2018	SW8290	34465-46-8	HxCDD (total)	27	JqB	0.23	47	pg/g	J	k,sp	EMPC; < PQL		
4402276794	RIDB-36-5-20181213	12/13/2018	SW8290	40321-76-4	1,2,3,7,8-Pentachlorodibenzo-p-dioxin	2.6	J	0.33	47	pg/g	J	sp	< PQL		
4402276794	RIDB-36-5-20181213	12/13/2018	SW8290	72918-21-9	1,2,3,7,8,9-Hexachlorodibenzofuran	24	JB	1.9	47	pg/g	J	sp	< PQL		
4402276794	RIDB-36-5-20181213	12/13/2018	SW8290	37871-00-4	HpCDD (total)	23	JqB	0.19	47	pg/g	J	k,sp	EMPC; < PQL		
4402276794	RIDB-36-5-20181213	12/13/2018	SW8290	35822-46-9	1,2,3,4,6,7,8-HpCDD	14	JB	0.19	47	pg/g	J	sp	< PQL		
4402276794	RIDB-36-5-20181213	12/13/2018	SW8290	57117-44-9	1,2,3,6,7,8-Hexachlorodibenzofuran	42	JB	1.5	47	pg/g	J	sp	< PQL		
4402276794	RIDB-36-5-20181213	12/13/2018	SW8290	30402-15-4	PeCDF (total)	150	qB	0.35	47	pg/g	J	k	EMPC		
4402276794	RIDB-36-5-20181213	12/13/2018	SW8290	57117-31-4	2,3,4,7,8-Pentachlorodibenzofuran	14	J	0.34	47	pg/g	J	sp	< PQL		
4402276794	RIDB-36-5-20181213	12/13/2018	SW8290	39227-28-6	1,2,3,4,7,8-HxCDD	3.0	JB	0.25	47	pg/g	J	sp	< PQL		
4402276794	RIDB-36-5-20181213	12/13/2018	SW8290	41903-57-5	TCDD (total)	11	qB	0.27	9.3	pg/g	J	k	EMPC		
4402276794	RIDB-36-5-20181213	12/13/2018	SW8290	57117-41-6	1,2,3,7,8-Pentachlorodibenzofuran	117	JB	0.35	47	pg/g	J	sp	< PQL		
4402276794	RIDB-36-5-20181213	12/13/2018	SW8290	1746-01-6	2,3,7,8-Tetrachlorodibenzo-p-dioxin	1.5	JqB	0.27	9.3	pg/g	J	k,sp	EMPC; < PQL		
4402276794	RIDB-36-5-20181213	12/13/2018	SW8290	60851-34-5	2,3,4,6,7,8-Hexachlorodibenzofuran	9.5	J	1.6	47	pg/g	J	sp	< PQL		
4402276794	RIDB-36-5-20181213	12/13/2018	SW8290	3268-87-9	Octachlorodibenzo-p-dioxin	24	JB	0.24	93	pg/g	J	sp	< PQL		
4402276794	RIDB-36-5-20181213	12/13/2018	SW8290	57653-85-7	1,2,3,6,7,8-HxCDD	4.1	JB	0.23	47	pg/g	J	sp	< PQL		
4402276794	RIDB-36-5-20181213	12/13/2018	SW8290	55684-94-1	HxCDF (total)	270	qB	1.7	47	pg/g	J	k	EMPC		
4402276794	RIDB-36-5-20181213	12/13/2018	SW8290	19408-74-3	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	4.8	JB	0.22	47	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-1.0-20180924	9/24/2018	E1668A	56558-18-0	PCB-121 (2,3',4,5',6'-PeCB)	1.4	J	0.71	20	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-1.0-20180924	9/24/2018	E1668A	38444-87-0	PCB-036 (3,3',5'-TrCB)	1.5	J	0.12	20	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-1.0-20180924	9/24/2018	E1668A	33025-41-1	PCB-060 (2,3,4,4'-TeCB)	1.4	JqB	0.24	20	pg/g	J	k,sp	EMPC; < PQL		
4402207712	RISB-EJ-02-1.0-20180924	9/24/2018	E1668A	25429-29-2	PENTACHLOROBIPHENYL	170	JqB	0.87	200	pg/g	J	k,sp	EMPC; < PQL		
4402207712	RISB-EJ-02-1.0-20180924	9/24/2018	E1668A	74472-35-8	PCB-109 (2,3,3',4,6'-PeCB)	6.1	J	0.78	20	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-1.0-20180924	9/24/2018	E1668A	74472-43-8	PCB-161 (2,3,3',4,5',6'-HxCB)	3.5	Jq	0.37	20	pg/g	J	k,sp	EMPC; < PQL		
4402207712	RISB-EJ-02-1.0-20180924	9/24/2018	E1668A	38444-88-1	PCB-039 (3,4',5'-TrCB)	1.6	J	0.12	20	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-1.0-20180924	9/24/2018	E1668A	52663-60-2	PCB-084 (2,2',3,3',6'-PeCB)	2.7	Jq	1.1	20	pg/g	J	k,sp	EMPC; < PQL		
4402207712	RISB-EJ-02-1.0-20180924	9/24/2018	E1668A	41411-62-5	PCB-160 (2,3,3',4,5,6'-HxCB)	5.5	J	0.36	20	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-1.0-20180924	9/24/2018	E1668A	70424-69-0	PCB-106 (2,3,3',4,5'-PeCB)	8.4	Jq	0.82	20	pg/g	J	k,sp	EMPC; < PQL		
4402207712	RISB-EJ-02-1.0-20180924	9/24/2018	E1668A	26914-33-0	Tetrachlorobiphenyl	64	JqB	0.15	200	pg/g	J	k,sp	EMPC; < PQL		
4402207712	RISB-EJ-02-1.0-20180924	9/24/2018	E1668A	41464-47-5	PCB-046 (2,2',3,6'-TeCB)	0.15	Jq	0.089	20	pg/g	J	k,sp	EMPC; < PQL		
4402207712	RISB-EJ-02-1.0-20180924	9/24/2018	E1668A	39635-34-2	PCB-162 (2,3,3',4,5,5'-HxCB)	5.5	J	0.62	20	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-1.0-20180924	9/24/2018	E1668A	38444-78-9	PCB-016 (2,2',3-TrCB)	0.74	J	0.12	20	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-1.0-20180924	9/24/2018	E1668A	38444-77-8	PCB-032 (2,4',6-TrCB)	0.28	Jq	0.065	20	pg/g	J	k,sp	EMPC; < PQL		
4402207712	RISB-EJ-02-1.0-20180924	9/24/2018	E1668A	55712-37-3	PCB-025 (2,3',4-TrCB)	0.80	J	0.12	20	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-1.0-20180924	9/24/2018	E1668A	PCB139+140	PCBs 139 + 140	5.4	J	0.46	40	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-1.0-20180924	9/24/2018	E1668A	38444-90-5	PCB-037 (3,4,4'-TrCB)	6.9	J	0.18	20	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-1.0-20180924	9/24/2018	E1668A	73575-54-9	PCB-096 (2,2',3,6,6'-PeCB)	0.33	Jq	0.044	20	pg/g	J	k,sp	EMPC; < PQL		
4402207712	RISB-EJ-02-1.0-20180924	9/24/2018	E1668A	74472-41-6	PCB-148 (2,2',3,4',5,6'-HxCB)	5.2	J	0.49	20	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-1.0-20180924	9/24/2018	E1668A	74487-85-7	PCB-188 (2,2',3,4',5,6,6'-HpCB)	11	J	0.035	20	pg/g	J	sp	< PQL		

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte ¹	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator ²	Qualification Finding	Acceptance Criteria
4402207712	RISB-EJ-02-1.0-20180924	9/24/2018	E1668A	PCB86-125	PCBs 86 + 87 + 97 + 108 + 119 + 125	19	J	0.87	120	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-1.0-20180924	9/24/2018	E1668A	41464-43-1	PCB-056 (2,3,3',4'-TeCB)	3.6	JB	0.24	20	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-1.0-20180924	9/24/2018	E1668A	PCB49+69	PCBs 49 + 69	1.7	JqB	0.061	40	pg/g	J	k,sp	EMPC; < PQL		
4402207712	RISB-EJ-02-1.0-20180924	9/24/2018	E1668A	74338-23-1	PCB-073 (2,3',5',6-TeCB)	0.24	J	0.054	20	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-1.0-20180924	9/24/2018	E1668A	PCB21+33	PCBs 21 + 33	2.1	J	0.12	40	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-1.0-20180924	9/24/2018	E1668A	PCB18+30	PCBs 18 + 30	1.2	Jq	0.077	40	pg/g	J	k,sp	EMPC; < PQL		
4402207712	RISB-EJ-02-1.0-20180924	9/24/2018	E1668A	37680-68-5	PCB-034 (2,3',5'-TrCB)	0.34	J	0.12	20	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-1.0-20180924	9/24/2018	E1668A	36559-22-5	PCB-042 (2,2',3,4'-TeCB)	0.83	J	0.080	20	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-1.0-20180924	9/24/2018	E1668A	35694-04-3	PCB-133 (2,2',3,3',5,5'-HxCB)	4.6	J	0.52	20	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-1.0-20180924	9/24/2018	E1668A	35693-99-3	PCB-052 (2,2',5,5'-TeCB)	4.0	JB	0.079	20	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-1.0-20180924	9/24/2018	E1668A	PCB85+116+117	PCBs 85 + 116 + 117	12	J	0.87	60	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-1.0-20180924	9/24/2018	E1668A	52663-59-9	PCB-041 (2,2',3,4-TeCB)	0.39	Jq	0.10	20	pg/g	J	k,sp	EMPC; < PQL		
4402207712	RISB-EJ-02-1.0-20180924	9/24/2018	E1668A	60145-22-4	PCB-154 (2,2',4,4',5,6'-HxCB)	4.6	J	0.43	20	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-1.0-20180924	9/24/2018	E1668A	15968-05-5	PCB-054 (2,2',6,6'-TeCB)	0.073	Jq	0.024	20	pg/g	J	k,sp	EMPC; < PQL		
4402207712	RISB-EJ-02-1.0-20180924	9/24/2018	E1668A	2050-68-2	PCB-015 (4,4'-DiCB)	14	J	2.2	20	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-1.0-20180924	9/24/2018	E1668A	26601-64-9	Hexachlorobiphenyl	270	qB	0.48	200	pg/g	J	k	EMPC		
4402207712	RISB-EJ-02-1.0-20180924	9/24/2018	E1668A	38411-22-2	PCB-136 (2,2',3,3',6,6'-HxCB)	3.0	J	0.36	20	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-1.0-20180924	9/24/2018	E1668A	60145-20-2	PCB-083 (2,2',3,3',5-PeCB)	1.4	Jq	1.3	20	pg/g	J	k,sp	EMPC; < PQL		
4402207712	RISB-EJ-02-1.0-20180924	9/24/2018	E1668A	35694-06-5	PCB-137 (2,2',3,4,4',5-HxCB)	7.0	J	0.43	20	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-1.0-20180924	9/24/2018	E1668A	55702-45-9	PCB-024 (2,3,6-TrCB)	0.26	J	0.071	20	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-1.0-20180924	9/24/2018	E1668A	51908-16-8	PCB-146 (2,2',3,4',5,5'-HxCB)	15	JB	0.45	20	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-1.0-20180924	9/24/2018	E1668A	41464-42-0	PCB-072 (2,3',5,5'-TeCB)	1.3	J	0.21	20	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-1.0-20180924	9/24/2018	E1668A	39635-35-3	PCB-159 (2,3,3',4,5,5'-HxCB)	5.9	J	0.65	20	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-1.0-20180924	9/24/2018	E1668A	PCB44+47+65	PCBs 44 + 47 + 65	3.9	JB	0.070	60	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-1.0-20180924	9/24/2018	E1668A	PCB129+138+163	PCBs 129 + 138 + 163	35	JB	0.45	60	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-1.0-20180924	9/24/2018	E1668A	25512-42-9	Dichlorobiphenyl (total)	25	Jq	1.7	200	pg/g	J	k,sp	EMPC; < PQL		
4402207712	RISB-EJ-02-1.0-20180924	9/24/2018	E1668A	37680-69-6	PCB-035 (3,3',4-TrCB)	2.4	Jq	0.14	20	pg/g	J	k,sp	EMPC; < PQL		
4402207712	RISB-EJ-02-1.0-20180924	9/24/2018	E1668A	74472-42-7	PCB-158 (2,3,3',4,4',6-HxCB)	7.6	J	0.34	20	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-1.0-20180924	9/24/2018	E1668A	27323-18-8	Monochlorobiphenyl	8.3	J	0.13	200	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-1.0-20180924	9/24/2018	E1668A	74338-24-2	PCB-055 (2,3,3',4-TeCB)	0.63	Jq	0.23	20	pg/g	J	k,sp	EMPC; < PQL		
4402207712	RISB-EJ-02-1.0-20180924	9/24/2018	E1668A	73575-52-7	PCB-068 (2,3',4,5'-TeCB)	1.1	J	0.19	20	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-1.0-20180924	9/24/2018	E1668A	68194-14-9	PCB-144 (2,2',3,4,5',6-HxCB)	4.5	J	0.48	20	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-1.0-20180924	9/24/2018	E1668A	PCB26+29	PCBs 26 + 29	1.6	J	0.12	40	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-1.0-20180924	9/24/2018	E1668A	PCB153+168	PCBs 153 + 168	27	JB	0.37	40	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-1.0-20180924	9/24/2018	E1668A	61798-70-7	PCB-131 (2,2',3,3',4,6-HxCB)	2.0	J	0.54	20	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-1.0-20180924	9/24/2018	E1668A	74472-49-4	PCB-186 (2,2',3,4,5,6,6'-HpCB)	2.4	J	0.026	20	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-1.0-20180924	9/24/2018	E1668A	52704-70-8M	PCB-134/143	4.1	J	0.54	40	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-1.0-20180924	9/24/2018	E1668A	73575-53-8	PCB-067 (2,3',4,5'-TeCB)	1.2	J	0.20	20	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-1.0-20180924	9/24/2018	E1668A	70424-67-8	PCB-057 (2,3,3',5-TeCB)	0.82	Jq	0.22	20	pg/g	J	k,sp	EMPC; < PQL		
4402207712	RISB-EJ-02-1.0-20180924	9/24/2018	E1668A	70362-46-8	PCB-043 (2,2',3,5-TeCB)	0.60	J	0.092	20	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-1.0-20180924	9/24/2018	E1668A	52663-70-4	PCB-177 (2,2',3,3',4,5',6'-HpCB)	9.3	J	3.2	20	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-1.0-20180924	9/24/2018	E1668A	52663-67-9	PCB-178 (2,2',3,3',5,5',6'-HpCB)	14	J	0.036	20	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-1.0-20180924	9/24/2018	E1668A	74472-48-3	PCB-184 (2,2',3,4,4',6,6'-HpCB)	17	J	0.028	20	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-1.0-20180924	9/24/2018	E1668A	PCB147+149	PCBs 147 + 149	20	JB	0.48	40	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-1.0-20180924	9/24/2018	E1668A	PCB128+166	PCBs 128 + 166	8.6	JB	0.41	40	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-1.0-20180924	9/24/2018	E1668A	41464-48-6	PCB-079 (3,3',4,5'-TeCB)	3.1	J	0.23	20	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-1.0-20180924	9/24/2018	E1668A	39635-33-1	PCB-127 (3,3',4,5,5'-PeCB)	3.7	J	0.85	20	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-1.0-20180924	9/24/2018	E1668A	38380-05-1	PCB-132 (2,2',3,3',4,6'-HxCB)	7.7	J	0.53	20	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-1.0-20180924	9/24/2018	E1668A	PCB59+62+75	PCBs 59 + 62 + 75	1.8	J	0.053	60	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-1.0-20180924	9/24/2018	E1668A	PCB93+100	PCBs 93 + 100	1.2	J	0.94	40	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-1.0-20180924	9/24/2018	E1668A	52663-73-7	PCB-200 (2,2',3,3',4,5,6,6'-OcCB)	19	J	0.31	20	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-1.0-20180924	9/24/2018	E1668A	PCB20+28	PCBs 20 + 28	3.0	JB	0.13	40	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-1.0-20180924	9/24/2018	E1668A	74472-45-0	PCB-164 (2,3,3',4',5',6-HxCB)	13	J	0.38	20	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-1.0-20180924	9/24/2018	E1668A	PCB110+115	PCBs 110 + 115	22	J	0.80	40	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-1.0-20180924	9/24/2018	E1668A	PCB107+124	PCBs 107 + 124	4.0	J	0.81	40	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-1.0-20180924	9/24/2018	E1668A	74472-34-7	PCB-063 (2,3,4',5-TeCB)	0.72	Jq	0.20	20	pg/g	J	k,sp	EMPC; < PQL		

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte ¹	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator ²	Qualification Finding	Acceptance Criteria
4402207712	RISB-EJ-02-1.0-20180924	9/24/2018	E1668A	74472-46-1	PCB-165 (2,3,3',5,5',6-HxCB)	2.8	J	0.39	20	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-1.0-20180924	9/24/2018	E1668A	16606-02-3	PCB-031 (2,4',5-TrCB)	3.5	JB	0.12	20	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-1.0-20180924	9/24/2018	E1668A	52663-66-8	PCB-130 (2,2',3,3',4,5'-HxCB)	10	J	0.57	20	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-1.0-20180924	9/24/2018	E1668A	PCB40+71	PCBs 40 + 71	2.9	JB	0.071	40	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-1.0-20180924	9/24/2018	E1668A	41464-49-7	PCB-058 (2,3,3',5'-TeCB)	0.63	Jq	0.22	20	pg/g	J	k,sp	EMPC; < PQL		
4402207712	RISB-EJ-02-1.0-20180924	9/24/2018	E1668A	25323-68-6	Trichlorobiphenyl (total)	29	JqB	0.11	200	pg/g	J	k,sp	EMPC; < PQL		
4402207712	RISB-EJ-02-1.0-20180924	9/24/2018	E1668A	74472-51-8	PCB-192 (2,3,3',4,5,5',6-HpCB)	5.8	J	2.3	20	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-1.0-20180924	9/24/2018	E1668A	74472-50-7	PCB-191 (2,3,3',4,4',5,6-HpCB)	6.4	J	2.2	20	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-1.0-20180924	9/24/2018	E1668A	74472-40-5	PCB-145 (2,2',3,4,6,6'-HxCB)	1.1	J	0.35	20	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-1.0-20180924	9/24/2018	E1668A	52663-61-3	PCB-092 (2,2',3,5,5'-PeCB)	4.3	J	1.1	20	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-1.0-20180924	9/24/2018	E1668A	52663-58-8	PCB-064 (2,3,4',6-TeCB)	1.1	J	0.052	20	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-1.0-20180924	9/24/2018	E1668A	2050-67-1	PCB-011 (3,3'-DiCB)	4.5	Jq	1.9	20	pg/g	J	k,sp	EMPC; < PQL		
4402207712	RISB-EJ-02-1.0-20180924	9/24/2018	E1668A	41411-61-4	PCB-142 (2,2',3,4,5,6-HxCB)	4.3	J	0.56	20	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-1.0-20180924	9/24/2018	E1668A	74472-36-9	PCB-112 (2,3,3',5,6-PeCB)	1.3	J	0.78	20	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-1.0-20180924	9/24/2018	E1668A	PCB50+53	PCBs 50 + 53	0.37	Jq	0.067	40	pg/g	J	k,sp	EMPC; < PQL		
4402207712	RISB-EJ-02-1.0-20180924	9/24/2018	E1668A	PCB171+173	PCBs 171 + 173	24	J	3.1	40	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-1.0-20180924	9/24/2018	E1668A	PCB135+151	PCBs 135 + 151	14	J	0.50	40	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-1.0-20180924	9/24/2018	E1668A	68194-09-2	PCB-152 (2,2',3,5,6,6'-HxCB)	0.71	Jq	0.33	20	pg/g	J	k,sp	EMPC; < PQL		
4402207712	RISB-EJ-02-1.0-20180924	9/24/2018	E1668A	70362-47-9	PCB-048 (2,2',4,5-TeCB)	0.82	J	0.074	20	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-1.0-20180924	9/24/2018	E1668A	41411-64-7	PCB-190 (2,3,3',4,4',5,6-HpCB)	9.3	J	2.1	20	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-1.0-20180924	9/24/2018	E1668A	38411-25-5	PCB-174 (2,2',3,3',4,5,6'-HpCB)	17	JB	3.2	20	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-1.0-20180924	9/24/2018	E1668A	68194-08-1	PCB-150 (2,2',3,4',6,6'-HxCB)	2.3	J	0.33	20	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-1.0-20180924	9/24/2018	E1668A	52712-05-7	PCB-185 (2,2',3,4,5,5',6-HpCB)	6.4	J	2.8	20	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-1.0-20180924	9/24/2018	E1668A	40186-70-7	PCB-175 (2,2',3,3',4,5,6-HpCB)	19	J	0.034	20	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-1.0-20180924	9/24/2018	E1668A	38380-01-7	PCB-099 (2,2',4,4',5-PeCB)	7.8	J	0.89	20	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-1.0-20180924	9/24/2018	E1668A	2051-62-9	PCB-003 (4-CB)	3.7	J	0.12	20	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-1.0-20180924	9/24/2018	E1668A	74472-47-2	PCB-181 (2,2',3,4,4',5,6-HpCB)	5.1	J	2.7	20	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-1.0-20180924	9/24/2018	E1668A	PCB90+101+113	PCBs 90 + 101 + 113	17	JB	0.87	60	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-1.0-20180924	9/24/2018	E1668A	33979-03-2	PCB-155 (2,2',4,4',6,6'-HxCB)	2.3	JB	0.33	20	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-1.0-20180924	9/24/2018	E1668A	68194-04-7	PCB-051 (2,2',4,6'-TeCB)	0.27	J	0.068	20	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-1.0-20180924	9/24/2018	E1668A	55720-44-0	PCB-023 (2,3,5-TrCB)	0.35	J	0.12	20	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-1.0-20180924	9/24/2018	E1668A	70362-49-1	PCB-078 (3,3',4,5-TeCB)	2.2	J	0.26	20	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-1.0-20180924	9/24/2018	E1668A	53555-66-1	PCB-038 (3,4,5-TrCB)	0.71	J	0.13	20	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-1.0-20180924	9/24/2018	E1668A	2051-61-8	PCB-002 (3-CB)	2.4	J	0.12	20	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-1.0-20180924	9/24/2018	E1668A	2051-60-7	PCB-001 (2-CB)	2.1	J	0.17	20	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-1.0-20180924	9/24/2018	E1668A	52663-64-6	PCB-179 (2,2',3,3',5,6,6'-HpCB)	9.8	J	0.027	20	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-1.0-20180924	9/24/2018	E1668A	2974-92-7M	PCB-12/13	6.1	Jq	1.9	40	pg/g	J	k,sp	EMPC; < PQL		
4402207712	RISB-EJ-02-1.0-20180924	9/24/2018	E1668A	PCB61+70+74+76	PCBs 61 + 70 + 74 + 76	13	JB	0.21	81	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-1.0-20180924	9/24/2018	E1668A	37680-66-3	PCB-017 (2,2',4-TrCB)	0.44	Jq	0.090	20	pg/g	J	k,sp	EMPC; < PQL		
4402207712	RISB-EJ-02-1.0-20180924	9/24/2018	E1668A	52712-04-6	PCB-141 (2,2',3,4,5,5'-HxCB)	16	JB	0.50	20	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-1.0-20180924	9/24/2018	E1668A	52663-65-7	PCB-176 (2,2',3,3',4,6,6'-HpCB)	10	J	0.025	20	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-1.0-20180924	9/24/2018	E1668A	33284-52-5	PCB-080 (3,3',5,5'-TeCB)	1.5	J	0.20	20	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-1.0-20180924	9/24/2018	E1668A	52663-74-8	PCB-172 (2,2',3,3',4,5,5'-HpCB)	19	J	3.1	20	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-1.0-20180924	9/24/2018	E1668A	38379-99-6	PCB-095 (2,2',3,5,6-PeCB)	6.3	J	0.98	20	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-1.0-20180924	9/24/2018	E1668A	35065-30-6	PCB-170 (2,2',3,3',4,4',5-HpCB)	12	JB	3.1	20	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-1.0-20180924	9/24/2018	E1668A	38444-85-8	PCB-022 (2,3,4'-TrCB)	1.5	J	0.13	20	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-1.0-20180924	9/24/2018	E1668A	68194-12-7	PCB-120 (2,3',4,5,5'-PeCB)	3.7	J	0.77	20	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-1.0-20180924	9/24/2018	E1668A	32598-10-0	PCB-066 (2,3',4,4'-TeCB)	5.7	JB	0.23	20	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-1.0-20180924	9/24/2018	E1668A	70362-45-7	PCB-045 (2,2',3,6-TeCB)	0.28	J	0.083	20	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-1.0-20180924	9/24/2018	E1668A	60145-21-3	PCB-103 (2,2',4,5,6-PeCB)	1.2	J	0.86	20	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-1.0-20180924	9/24/2018	E1668A	56558-16-8	PCB-104 (2,2',4,6,6'-PeCB)	0.35	Jq	0.041	20	pg/g	J	k,sp	EMPC; < PQL		
4402207712	RISB-EJ-02-1.0-20180924	9/24/2018	E1668A	39635-32-0	PCB-111 (2,3,3',5,5'-PeCB)	3.2	Jq	0.76	20	pg/g	J	k,sp	EMPC; < PQL		
4402207712	RISB-EJ-02-1.0-20180924	9/24/2018	E1668A	2051-24-3	PCB-209 (DeCB)	2600	EB	0.16	20	pg/g	J	e	Exceeded calibration range		
4402207712	RISB-EJ-02-1.0-20180924	9/24/2018	E1668A	60145-23-5	PCB-182 (2,2',3,4,4',5,6'-HpCB)	9.9	J	0.032	20	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-1.0-20180924	9/24/2018	E1668A	37680-66-3	PCB-017 (2,2',4-TrCB)	0.26	J	0.14	21	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-1.0-20180924	9/24/2018	E1668A	56558-16-8	PCB-104 (2,2',4,6,6'-PeCB)	0.28	Jq	0.059	21	pg/g	J	k,sp	EMPC; < PQL		

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte ¹	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator ²	Qualification Finding	Acceptance Criteria
4402207712	RISB-EJ-02-10.0-20180924	9/24/2018	E1668A	55722-26-4	Octachlorobiphenyl	32	JBq	0.069	210	pg/g	J	k,sp	EMPC; < PQL		
4402207712	RISB-EJ-02-10.0-20180924	9/24/2018	E1668A	60145-23-5	PCB-182 (2,2',3,4,4',5,6'-HpCB)	0.79	J	0.033	21	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-10.0-20180924	9/24/2018	E1668A	PCB61+70+74+76	PCBs 61 + 70 + 74 + 76	1.1	JBq	0.074	85	pg/g	J	bl,k,sp	MB contamination; EMPC; < PQL	0.294	1.47 pg/g
4402207712	RISB-EJ-02-10.0-20180924	9/24/2018	E1668A	52663-74-8	PCB-172 (2,2',3,3',4,4',5'-HpCB)	1.5	Jq	0.22	21	pg/g	J	k,sp	EMPC; < PQL		
4402207712	RISB-EJ-02-10.0-20180924	9/24/2018	E1668A	35065-30-6	PCB-170 (2,2',3,3',4,4',5'-HpCB)	1.8	JB	0.22	21	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-10.0-20180924	9/24/2018	E1668A	38379-99-6	PCB-095 (2,2',3,5',6'-PeCB)	0.76	J	0.16	21	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-10.0-20180924	9/24/2018	E1668A	40186-70-7	PCB-175 (2,2',3,3',4,5',6'-HpCB)	1.1	J	0.035	21	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-10.0-20180924	9/24/2018	E1668A	52712-04-6	PCB-141 (2,2',3,4,5,5'-HxCB)	1.6	JBq	0.14	21	pg/g	J	k,sp	EMPC; < PQL		
4402207712	RISB-EJ-02-10.0-20180924	9/24/2018	E1668A	52663-64-6	PCB-179 (2,2',3,3',5,6,6'-HpCB)	0.78	J	0.027	21	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-10.0-20180924	9/24/2018	E1668A	52663-73-7	PCB-200 (2,2',3,3',4,5,6,6'-OxCB)	1.4	Jq	0.061	21	pg/g	J	k,sp	EMPC; < PQL		
4402207712	RISB-EJ-02-10.0-20180924	9/24/2018	E1668A	PCB90+101+113	PCBs 90 + 101 + 113	1.6	JB	0.14	64	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-10.0-20180924	9/24/2018	E1668A	32598-10-0	PCB-066 (2,3',4,4'-TeCB)	0.52	JBq	0.079	21	pg/g	J	bl,k,sp	MB contamination; EMPC; < PQL	0.136	0.68 pg/g
4402207712	RISB-EJ-02-10.0-20180924	9/24/2018	E1668A	33979-03-2	PCB-155 (2,2',4,4',6,6'-HxCB)	0.40	JBq	0.10	21	pg/g	J	k,sp	EMPC; < PQL		
4402207712	RISB-EJ-02-10.0-20180924	9/24/2018	E1668A	35694-08-7	PCB-194 (2,2',3,3',4,4',5,5'-OxCB)	2.7	JB	0.086	21	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-10.0-20180924	9/24/2018	E1668A	52712-05-7	PCB-185 (2,2',3,4,5,5',6'-HpCB)	0.34	Jq	0.19	21	pg/g	J	k,sp	EMPC; < PQL		
4402207712	RISB-EJ-02-10.0-20180924	9/24/2018	E1668A	39635-31-9	PCB-189 (2,3,3',4,4',5,5'-HpCB)	1.0	Jq	0.048	2.1	pg/g	J	k,sp	EMPC; < PQL		
4402207712	RISB-EJ-02-10.0-20180924	9/24/2018	E1668A	2051-62-9	PCB-003 (4-CB)	0.98	J	0.17	21	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-10.0-20180924	9/24/2018	E1668A	74472-47-2	PCB-181 (2,2',3,4,4',5,6'-HpCB)	0.35	J	0.19	21	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-10.0-20180924	9/24/2018	E1668A	70362-50-4	PCB-081 (3,4,4',5'-TeCB)	0.45	J	0.10	2.1	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-10.0-20180924	9/24/2018	E1668A	52663-78-2	PCB-195 (2,2',3,3',4,4',5,6'-OxCB)	2.3	J	0.087	21	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-10.0-20180924	9/24/2018	E1668A	52663-66-8	PCB-130 (2,2',3,3',4,5'-HxCB)	0.75	J	0.16	21	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-10.0-20180924	9/24/2018	E1668A	2051-61-8	PCB-002 (3-CB)	0.70	J	0.17	21	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-10.0-20180924	9/24/2018	E1668A	38411-25-5	PCB-174 (2,2',3,3',4,5,6'-HpCB)	2.1	JB	0.23	21	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-10.0-20180924	9/24/2018	E1668A	52663-65-7	PCB-176 (2,2',3,3',4,6,6'-HpCB)	0.71	J	0.025	21	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-10.0-20180924	9/24/2018	E1668A	53742-07-7	Nonachlorobiphenyl	69	J	0.17	210	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-10.0-20180924	9/24/2018	E1668A	PCB156+157	PCBs 156 + 157	1.3	JB	0.12	4.2	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-10.0-20180924	9/24/2018	E1668A	2051-60-7	PCB-001 (2-CB)	0.85	Jq	0.24	21	pg/g	J	k,sp	EMPC; < PQL		
4402207712	RISB-EJ-02-10.0-20180924	9/24/2018	E1668A	68194-14-9	PCB-144 (2,2',3,4,5',6'-HxCB)	0.28	Jq	0.13	21	pg/g	J	k,sp	EMPC; < PQL		
4402207712	RISB-EJ-02-10.0-20180924	9/24/2018	E1668A	PCB171+173	PCBs 171 + 173	1.8	Jq	0.22	42	pg/g	J	k,sp	EMPC; < PQL		
4402207712	RISB-EJ-02-10.0-20180924	9/24/2018	E1668A	PCB135+151	PCBs 135 + 151	1.2	Jq	0.14	42	pg/g	J	k,sp	EMPC; < PQL		
4402207712	RISB-EJ-02-10.0-20180924	9/24/2018	E1668A	25323-68-6	Trichlorobiphenyl (total)	3.9	JBq	0.13	210	pg/g	J	k,sp	EMPC; < PQL		
4402207712	RISB-EJ-02-10.0-20180924	9/24/2018	E1668A	74472-51-8	PCB-192 (2,3,3',4,5,5',6'-HpCB)	0.42	J	0.16	21	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-10.0-20180924	9/24/2018	E1668A	74472-50-7	PCB-191 (2,3,3',4,4',5',6'-HpCB)	0.46	Jq	0.15	21	pg/g	J	k,sp	EMPC; < PQL		
4402207712	RISB-EJ-02-10.0-20180924	9/24/2018	E1668A	52663-61-3	PCB-092 (2,2',3,5,5'-PeCB)	0.26	Jq	0.18	21	pg/g	J	k,sp	EMPC; < PQL		
4402207712	RISB-EJ-02-10.0-20180924	9/24/2018	E1668A	42740-50-1	PCB-196 (2,2',3,3',4,4',5,6'-OxCB)	4.2	J	0.074	21	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-10.0-20180924	9/24/2018	E1668A	52663-72-6	PCB-167 (2,3',4,4',5,5'-HxCB)	1.1	JB	0.084	2.1	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-10.0-20180924	9/24/2018	E1668A	31508-00-6	PCB-118 (2,3',4,4',5'-PeCB)	2.1	q	0.14	2.1	pg/g	J	k	EMPC		
4402207712	RISB-EJ-02-10.0-20180924	9/24/2018	E1668A	PCB59+62+75	PCBs 59 + 62 + 75	0.11	Jq	0.052	64	pg/g	J	k,sp	EMPC; < PQL		
4402207712	RISB-EJ-02-10.0-20180924	9/24/2018	E1668A	PCB198+199	PCBs 198 + 199	5.8	JB	0.078	42	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-10.0-20180924	9/24/2018	E1668A	57465-28-8	PCB-126 (3,3',4,4',5'-PeCB)	0.45	Jq	0.13	2.1	pg/g	J	k,sp	EMPC; < PQL		
4402207712	RISB-EJ-02-10.0-20180924	9/24/2018	E1668A	74472-45-0	PCB-164 (2,3,3',4',5',6'-HxCB)	0.96	Jq	0.11	21	pg/g	J	k,sp	EMPC; < PQL		
4402207712	RISB-EJ-02-10.0-20180924	9/24/2018	E1668A	52663-69-1	PCB-183 (2,2',3,4,4',5',6'-HpCB)	2.4	JB	0.18	21	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-10.0-20180924	9/24/2018	E1668A	38380-05-1	PCB-132 (2,2',3,3',4,6'-HxCB)	2.4	Jq	0.15	21	pg/g	J	k,sp	EMPC; < PQL		
4402207712	RISB-EJ-02-10.0-20180924	9/24/2018	E1668A	PCB40+71	PCBs 40 + 71	0.33	JBq	0.069	42	pg/g	J	bl,k,sp	MB contamination; EMPC; < PQL	0.0838	0.419 pg/g
4402207712	RISB-EJ-02-10.0-20180924	9/24/2018	E1668A	PCB20+28	PCBs 20 + 28	0.67	JB	0.13	42	pg/g	J	bl,sp	MB contamination; < PQL	0.303	1.515 pg/g
4402207712	RISB-EJ-02-10.0-20180924	9/24/2018	E1668A	PCB128+166	PCBs 128 + 166	0.80	JB	0.11	42	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-10.0-20180924	9/24/2018	E1668A	PCB110+115	PCBs 110 + 115	2.1	J	0.13	42	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-10.0-20180924	9/24/2018	E1668A	PCB107+124	PCBs 107 + 124	0.36	J	0.14	42	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-10.0-20180924	9/24/2018	E1668A	74472-46-1	PCB-165 (2,3,3',5,5',6'-HxCB)	0.20	J	0.11	21	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-10.0-20180924	9/24/2018	E1668A	74472-53-0	PCB-205 (2,3,3',4,4',5,5',6'-OxCB)	1.9	J	0.061	21	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-10.0-20180924	9/24/2018	E1668A	16606-02-3	PCB-031 (2,4',5'-TrCB)	0.67	JB	0.12	21	pg/g	J	bl,sp	MB contamination; < PQL	0.231	1.155 pg/g
4402207712	RISB-EJ-02-10.0-20180924	9/24/2018	E1668A	41411-64-7	PCB-190 (2,3,3',4,4',5,6'-HpCB)	0.79	J	0.14	21	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-10.0-20180924	9/24/2018	E1668A	15968-05-5	PCB-054 (2,2',6,6'-TeCB)	0.27	J	0.033	21	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-10.0-20180924	9/24/2018	E1668A	52663-76-0	PCB-203 (2,2',3,4,4',5,5',6'-OxCB)	2.4	JB	0.070	21	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-10.0-20180924	9/24/2018	E1668A	52663-68-0	PCB-187 (2,2',3,4',5,5',6'-HpCB)	2.5	J	0.033	21	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-10.0-20180924	9/24/2018	E1668A	52663-58-8	PCB-064 (2,3,4',6'-TeCB)	0.16	Jq	0.050	21	pg/g	J	k,sp	EMPC; < PQL		

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte ¹	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator ²	Qualification Finding	Acceptance Criteria
4402207712	RISB-EJ-02-10.0-20180924	9/24/2018	E1668A	39635-34-2	PCB-162 (2,3,3',4',5,5'-HxCB)	0.43	J	0.083	21	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-10.0-20180924	9/24/2018	E1668A	38444-78-9	PCB-016 (2,2',3'-TrCB)	0.21	Jq	0.18	21	pg/g	J	k.sp	EMPC; < PQL		
4402207712	RISB-EJ-02-10.0-20180924	9/24/2018	E1668A	74472-52-9	PCB-204 (2,2',3,4,4',5,6,6'-OcCB)	2.2	J	0.057	21	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-10.0-20180924	9/24/2018	E1668A	73575-52-7	PCB-068 (2,3',4,5'-TeCB)	0.14	J	0.066	21	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-10.0-20180924	9/24/2018	E1668A	PCB44+47+65	PCBs 44 + 47 + 65	0.65	JB	0.068	64	pg/g	J	bl.sp	MB contamination; < PQL	0.445	2.225 pg/g
4402207712	RISB-EJ-02-10.0-20180924	9/24/2018	E1668A	PCB129+138+163	PCBs 129 + 138 + 163	3.8	JB	0.12	64	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-10.0-20180924	9/24/2018	E1668A	74472-49-4	PCB-186 (2,2',3,4,5,6,6'-HpCB)	0.20	J	0.026	21	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-10.0-20180924	9/24/2018	E1668A	74472-42-7	PCB-158 (2,3,3',4,4',6-HxCB)	0.77	J	0.095	21	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-10.0-20180924	9/24/2018	E1668A	32598-13-3	PCB-077 (3,3',4,4'-TeCB)	0.69	J	0.098	2.1	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-10.0-20180924	9/24/2018	E1668A	60145-22-4	PCB-154 (2,2',4,4',5,6'-HxCB)	0.23	J	0.12	21	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-10.0-20180924	9/24/2018	E1668A	65510-44-3	PCB-123 (2,3',4,4',5'-PeCB)	0.58	J	0.15	2.1	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-10.0-20180924	9/24/2018	E1668A	26601-64-9	Hexachlorobiphenyl	26	JBq	0.12	210	pg/g	J	k.sp	EMPC; < PQL		
4402207712	RISB-EJ-02-10.0-20180924	9/24/2018	E1668A	38411-22-2	PCB-136 (2,2',3,3',6,6'-HxCB)	0.24	J	0.099	21	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-10.0-20180924	9/24/2018	E1668A	37680-69-6	PCB-035 (3,3',4'-TrCB)	0.31	J	0.14	21	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-10.0-20180924	9/24/2018	E1668A	35694-06-5	PCB-137 (2,2',3,4,4',5-HxCB)	0.39	J	0.12	21	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-10.0-20180924	9/24/2018	E1668A	33091-17-7	PCB-197 (2,2',3,3',4,4',6,6'-OcCB)	3.0	J	0.050	21	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-10.0-20180924	9/24/2018	E1668A	32774-16-6	PCB-169 (3,3',4,4',5,5'-HxCB)	0.30	J	0.086	2.1	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-10.0-20180924	9/24/2018	E1668A	51908-16-8	PCB-146 (2,2',3,4',5,5'-HxCB)	1.3	JB	0.13	21	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-10.0-20180924	9/24/2018	E1668A	39635-35-3	PCB-159 (2,3,3',4,5,5'-HxCB)	0.52	J	0.087	21	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-10.0-20180924	9/24/2018	E1668A	40186-71-8	PCB-201 (2,2',3,3',4,5',6,6'-OcCB)	3.6	J	0.055	21	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-10.0-20180924	9/24/2018	E1668A	41411-61-4	PCB-142 (2,2',3,4,5,6-HxCB)	0.18	Jq	0.15	21	pg/g	J	k.sp	EMPC; < PQL		
4402207712	RISB-EJ-02-10.0-20180924	9/24/2018	E1668A	74472-48-3	PCB-184 (2,2',3,4,4',6,6'-HpCB)	0.96	J	0.028	21	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-10.0-20180924	9/24/2018	E1668A	52663-70-4	PCB-177 (2,2',3,3',4,5',6'-HpCB)	0.99	J	0.22	21	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-10.0-20180924	9/24/2018	E1668A	74487-85-7	PCB-188 (2,2',3,4',5,6,6'-HpCB)	0.77	Jq	0.038	21	pg/g	J	k.sp	EMPC; < PQL		
4402207712	RISB-EJ-02-10.0-20180924	9/24/2018	E1668A	38444-90-5	PCB-037 (3,4,4'-TrCB)	0.94	J	0.17	21	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-10.0-20180924	9/24/2018	E1668A	52663-67-9	PCB-178 (2,2',3,3',5,5',6'-HpCB)	1.0	J	0.037	21	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-10.0-20180924	9/24/2018	E1668A	32598-14-4	PCB-105 (2,3,3',4,4'-PeCB)	1.4	J	0.14	2.1	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-10.0-20180924	9/24/2018	E1668A	28655-71-2	Heptachlorobiphenyl	28	JBq	0.12	210	pg/g	J	k.sp	EMPC; < PQL		
4402207712	RISB-EJ-02-10.0-20180924	9/24/2018	E1668A	74472-41-6	PCB-148 (2,2',3,4',5,6'-HxCB)	0.27	Jq	0.14	21	pg/g	J	k.sp	EMPC; < PQL		
4402207712	RISB-EJ-02-10.0-20180924	9/24/2018	E1668A	PCB86-125	PCBs 86 + 87 + 97 + 108 + 119 + 125	1.6	J	0.14	130	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-10.0-20180924	9/24/2018	E1668A	PCB85+116+117	PCBs 85 + 116 + 117	0.74	J	0.14	64	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-10.0-20180924	9/24/2018	E1668A	PCB49+69	PCBs 49 + 69	0.27	JB	0.059	42	pg/g	J	bl.sp	MB contamination; < PQL	0.152	0.76 pg/g
4402207712	RISB-EJ-02-10.0-20180924	9/24/2018	E1668A	PCB180+193	PCBs 180 + 193	5.0	JB	0.17	42	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-10.0-20180924	9/24/2018	E1668A	PCB139+140	PCBs 139 + 140	0.31	J	0.13	42	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-10.0-20180924	9/24/2018	E1668A	PCB21+33	PCBs 21 + 33	0.53	J	0.12	42	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-10.0-20180924	9/24/2018	E1668A	PCB18+30	PCBs 18 + 30	0.28	Jq	0.12	42	pg/g	J	k.sp	EMPC; < PQL		
4402207712	RISB-EJ-02-10.0-20180924	9/24/2018	E1668A	36559-22-5	PCB-042 (2,2',3,4'-TeCB)	0.17	Jq	0.078	21	pg/g	J	k.sp	EMPC; < PQL		
4402207712	RISB-EJ-02-10.0-20180924	9/24/2018	E1668A	35693-99-3	PCB-052 (2,2',5,5'-TeCB)	0.78	JB	0.077	21	pg/g	J	bl.sp	MB contamination; < PQL	0.304	1.52 pg/g
4402207712	RISB-EJ-02-10.0-20180924	9/24/2018	E1668A	PCB147+149	PCBs 147 + 149	2.6	JB	0.13	42	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-10.0-20180924	9/24/2018	E1668A	41411-62-5	PCB-160 (2,3,3',4,5,6-HxCB)	0.33	J	0.099	21	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-10.0-20180924	9/24/2018	E1668A	26914-33-0	Tetrachlorobiphenyl	6.2	JBq	0.074	210	pg/g	J	bl.k.sp	MB contamination; EMPC; < PQL	1.62	8.1 pg/g
4402207712	RISB-EJ-02-10.0-20180924	9/24/2018	E1668A	2136-99-4	PCB-202 (2,2',3,3',5,5',6,6'-OcCB)	2.0	JB	0.079	21	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-10.0-20180924	9/24/2018	E1668A	PCB153+168	PCBs 153 + 168	3.1	JB	0.10	42	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-10.0-20180924	9/24/2018	E1668A	74472-43-8	PCB-161 (2,3,3',4,5',6-HxCB)	0.17	Jq	0.10	21	pg/g	J	k.sp	EMPC; < PQL		
4402207712	RISB-EJ-02-10.0-20180924	9/24/2018	E1668A	74472-37-0	PCB-114 (2,3,4,4',5-PeCB)	0.57	J	0.15	2.1	pg/g	J	sp	< PQL		
4402207712	RISB-EJ-02-10.0-20180924	9/24/2018	E1668A	74472-35-8	PCB-109 (2,3,3',4,6-PeCB)	0.33	Jq	0.13	21	pg/g	J	k.sp	EMPC; < PQL		
4402207712	RISB-EJ-02-10.0-20180924	9/24/2018	E1668A	25429-29-2	PENTACHLOROBIPHENYL	13	JBq	0.15	210	pg/g	J	k.sp	EMPC; < PQL		
4402207712	RISB-EJ-02-10.0-20180924	9/24/2018	E1668A	33025-41-1	PCB-060 (2,3,4,4'-TeCB)	0.12	JBq	0.081	21	pg/g	J	bl.k.sp	MB contamination; EMPC; < PQL	0.0592	0.296 pg/g
4402207712	RISB-EJ-02-10.0-20180924	9/24/2018	E1668A	41464-43-1	PCB-056 (2,3,3',4'-TeCB)	0.36	JB	0.082	21	pg/g	J	bl.sp	MB contamination; < PQL	0.0917	0.4585 pg/g
4402207712	RISB-EJ-02-10.0-20180924	9/24/2018	E1668A	27323-18-8	Monochlorobiphenyl	2.5	Jq	0.19	210	pg/g	J	k.sp	EMPC; < PQL		
4402207712	RISB-ER-02-1.0-20180924	9/24/2018	E1668A	28655-71-2	Heptachlorobiphenyl	89	JqB	0.40	210	pg/g	J	k.sp	EMPC; < PQL		
4402207712	RISB-ER-02-1.0-20180924	9/24/2018	E1668A	33025-41-1	PCB-060 (2,3,4,4'-TeCB)	0.69	JB	0.13	21	pg/g	J	sp	< PQL		
4402207712	RISB-ER-02-1.0-20180924	9/24/2018	E1668A	25429-29-2	PENTACHLOROBIPHENYL	50	JqB	0.28	210	pg/g	J	k.sp	EMPC; < PQL		
4402207712	RISB-ER-02-1.0-20180924	9/24/2018	E1668A	74472-35-8	PCB-109 (2,3,3',4,6-PeCB)	1.5	J	0.26	21	pg/g	J	sp	< PQL		
4402207712	RISB-ER-02-1.0-20180924	9/24/2018	E1668A	74472-37-0	PCB-114 (2,3,4,4',5-PeCB)	1.6	J	0.30	2.1	pg/g	J	sp	< PQL		
4402207712	RISB-ER-02-1.0-20180924	9/24/2018	E1668A	74472-43-8	PCB-161 (2,3,3',4,5',6-HxCB)	0.88	Jq	0.15	21	pg/g	J	k.sp	EMPC; < PQL		

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte ¹	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator ²	Qualification Finding	Acceptance Criteria
4402207712	RISB-ER-02-1.0-20180924	9/24/2018	E1668A	32598-13-3	PCB-077 (3,3',4,4'-TeCB)	2.1	q	0.16	2.1	pg/g	J	k	EMPC		
4402207712	RISB-ER-02-1.0-20180924	9/24/2018	E1668A	52663-60-2	PCB-084 (2,2',3,3',6-PeCB)	0.57	Jq	0.37	21	pg/g	J	k.sp	EMPC; < PQL		
4402207712	RISB-ER-02-1.0-20180924	9/24/2018	E1668A	70424-69-0	PCB-106 (2,3,3',4,5-PeCB)	2.7	J	0.27	21	pg/g	J	sp	< PQL		
4402207712	RISB-ER-02-1.0-20180924	9/24/2018	E1668A	26914-33-0	Tetrachlorobiphenyl	18	JqB	0.11	210	pg/g	J	k.sp	EMPC; < PQL		
4402207712	RISB-ER-02-1.0-20180924	9/24/2018	E1668A	2136-99-4	PCB-202 (2,2',3,3',5,5',6,6'-OcCB)	7.3	JB	0.11	21	pg/g	J	sp	< PQL		
4402207712	RISB-ER-02-1.0-20180924	9/24/2018	E1668A	41464-43-1	PCB-056 (2,3,3',4'-TeCB)	1.0	JB	0.13	21	pg/g	J	sp	< PQL		
4402207712	RISB-ER-02-1.0-20180924	9/24/2018	E1668A	PCB139+140	PCBs 139 + 140	1.2	J	0.19	41	pg/g	J	sp	< PQL		
4402207712	RISB-ER-02-1.0-20180924	9/24/2018	E1668A	27323-18-8	Monochlorobiphenyl	6.3	J	0.17	210	pg/g	J	sp	< PQL		
4402207712	RISB-ER-02-1.0-20180924	9/24/2018	E1668A	55712-37-3	PCB-025 (2,3',4-TrCB)	0.23	J	0.14	21	pg/g	J	sp	< PQL		
4402207712	RISB-ER-02-1.0-20180924	9/24/2018	E1668A	38444-88-1	PCB-039 (3,4',5-TrCB)	0.73	J	0.15	21	pg/g	J	sp	< PQL		
4402207712	RISB-ER-02-1.0-20180924	9/24/2018	E1668A	41411-62-5	PCB-160 (2,3,3',4,5,6-HxCB)	1.3	Jq	0.15	21	pg/g	J	k.sp	EMPC; < PQL		
4402207712	RISB-ER-02-1.0-20180924	9/24/2018	E1668A	35693-99-3	PCB-052 (2,2',5,5'-TeCB)	1.2	JB	0.11	21	pg/g	J	bl.sp	MB contamination; < PQL	0.304	1.52 pg/g
4402207712	RISB-ER-02-1.0-20180924	9/24/2018	E1668A	35694-04-3	PCB-133 (2,2',3,3',5,5'-HxCB)	1.1	J	0.22	21	pg/g	J	sp	< PQL		
4402207712	RISB-ER-02-1.0-20180924	9/24/2018	E1668A	74472-41-6	PCB-148 (2,2',3,4',5,6'-HxCB)	0.95	J	0.20	21	pg/g	J	sp	< PQL		
4402207712	RISB-ER-02-1.0-20180924	9/24/2018	E1668A	PCB21+33	PCBs 21 + 33	0.89	J	0.14	41	pg/g	J	sp	< PQL		
4402207712	RISB-ER-02-1.0-20180924	9/24/2018	E1668A	PCB180+193	PCBs 180 + 193	14	JB	0.62	41	pg/g	J	sp	< PQL		
4402207712	RISB-ER-02-1.0-20180924	9/24/2018	E1668A	PCB49+69	PCBs 49 + 69	0.53	JB	0.085	41	pg/g	J	bl.sp	MB contamination; < PQL	0.152	0.76 pg/g
4402207712	RISB-ER-02-1.0-20180924	9/24/2018	E1668A	PCB85+116+117	PCBs 85 + 116 + 117	2.8	J	0.28	62	pg/g	J	sp	< PQL		
4402207712	RISB-ER-02-1.0-20180924	9/24/2018	E1668A	PCB86-125	PCBs 86 + 87 + 97 + 108 + 119 + 125	5.4	J	0.28	120	pg/g	J	sp	< PQL		
4402207712	RISB-ER-02-1.0-20180924	9/24/2018	E1668A	32598-14-4	PCB-105 (2,3,3',4,4'-PeCB)	4.0	q	0.29	2.1	pg/g	J	k	EMPC		
4402207712	RISB-ER-02-1.0-20180924	9/24/2018	E1668A	74487-85-7	PCB-188 (2,2',3,4',5,6,6'-HpCB)	2.7	J	0.039	21	pg/g	J	sp	< PQL		
4402207712	RISB-ER-02-1.0-20180924	9/24/2018	E1668A	PCB44+47+65	PCBs 44 + 47 + 65	1.1	JB	0.098	62	pg/g	J	bl.sp	MB contamination; < PQL	0.445	2.225 pg/g
4402207712	RISB-ER-02-1.0-20180924	9/24/2018	E1668A	52663-76-0	PCB-203 (2,2',3,4,4',5,5',6-OcCB)	9.1	JB	0.10	21	pg/g	J	sp	< PQL		
4402207712	RISB-ER-02-1.0-20180924	9/24/2018	E1668A	PCB18+30	PCBs 18 + 30	0.64	J	0.12	41	pg/g	J	sp	< PQL		
4402207712	RISB-ER-02-1.0-20180924	9/24/2018	E1668A	52663-70-4	PCB-177 (2,2',3,3',4,5',6'-HpCB)	2.4	Jq	0.80	21	pg/g	J	k.sp	EMPC; < PQL		
4402207712	RISB-ER-02-1.0-20180924	9/24/2018	E1668A	38444-90-5	PCB-037 (3,4,4'-TrCB)	3.2	J	0.20	21	pg/g	J	sp	< PQL		
4402207712	RISB-ER-02-1.0-20180924	9/24/2018	E1668A	73575-53-8	PCB-067 (2,3',4,5-TeCB)	0.31	J	0.11	21	pg/g	J	sp	< PQL		
4402207712	RISB-ER-02-1.0-20180924	9/24/2018	E1668A	PCB129+138+163	PCBs 129 + 138 + 163	11	JB	0.19	62	pg/g	J	sp	< PQL		
4402207712	RISB-ER-02-1.0-20180924	9/24/2018	E1668A	39635-35-3	PCB-159 (2,3,3',4,5,5'-HxCB)	1.6	J	0.20	21	pg/g	J	sp	< PQL		
4402207712	RISB-ER-02-1.0-20180924	9/24/2018	E1668A	41464-42-0	PCB-072 (2,3',5,5'-TeCB)	0.20	Jq	0.11	21	pg/g	J	k.sp	EMPC; < PQL		
4402207712	RISB-ER-02-1.0-20180924	9/24/2018	E1668A	51908-16-8	PCB-146 (2,2',3,4',5,5'-HxCB)	4.6	JB	0.19	21	pg/g	J	sp	< PQL		
4402207712	RISB-ER-02-1.0-20180924	9/24/2018	E1668A	32774-16-6	PCB-169 (3,3',4,4',5,5'-HxCB)	1.2	J	0.19	2.1	pg/g	J	sp	< PQL		
4402207712	RISB-ER-02-1.0-20180924	9/24/2018	E1668A	33091-17-7	PCB-197 (2,2',3,3',4,4',6,6'-OcCB)	14	J	0.070	21	pg/g	J	sp	< PQL		
4402207712	RISB-ER-02-1.0-20180924	9/24/2018	E1668A	35694-06-5	PCB-137 (2,2',3,4,4',5-HxCB)	1.3	Jq	0.18	21	pg/g	J	k.sp	EMPC; < PQL		
4402207712	RISB-ER-02-1.0-20180924	9/24/2018	E1668A	37680-69-6	PCB-035 (3,3',4-TrCB)	1.1	J	0.16	21	pg/g	J	sp	< PQL		
4402207712	RISB-ER-02-1.0-20180924	9/24/2018	E1668A	38411-22-2	PCB-136 (2,2',3,3',6,6'-HxCB)	0.51	Jq	0.15	21	pg/g	J	k.sp	EMPC; < PQL		
4402207712	RISB-ER-02-1.0-20180924	9/24/2018	E1668A	26601-64-9	Hexachlorobiphenyl	73	JqB	0.19	210	pg/g	J	k.sp	EMPC; < PQL		
4402207712	RISB-ER-02-1.0-20180924	9/24/2018	E1668A	60145-22-4	PCB-154 (2,2',4,4',5,6'-HxCB)	1.2	J	0.18	21	pg/g	J	sp	< PQL		
4402207712	RISB-ER-02-1.0-20180924	9/24/2018	E1668A	40186-71-8	PCB-201 (2,2',3,3',4,5',6,6'-OcCB)	17	J	0.079	21	pg/g	J	sp	< PQL		
4402207712	RISB-ER-02-1.0-20180924	9/24/2018	E1668A	PCB153+168	PCBs 153 + 168	8.9	JB	0.15	41	pg/g	J	sp	< PQL		
4402207712	RISB-ER-02-1.0-20180924	9/24/2018	E1668A	52663-58-8	PCB-064 (2,3,4',6-TeCB)	0.38	Jq	0.072	21	pg/g	J	k.sp	EMPC; < PQL		
4402207712	RISB-ER-02-1.0-20180924	9/24/2018	E1668A	39635-34-2	PCB-162 (2,3,3',4',5,5'-HxCB)	1.7	J	0.19	21	pg/g	J	sp	< PQL		
4402207712	RISB-ER-02-1.0-20180924	9/24/2018	E1668A	38444-78-9	PCB-016 (2,2',3-TrCB)	0.37	Jq	0.18	21	pg/g	J	k.sp	EMPC; < PQL		
4402207712	RISB-ER-02-1.0-20180924	9/24/2018	E1668A	74472-52-9	PCB-204 (2,2',3,4,4',5,6,6'-OcCB)	7.4	J	0.081	21	pg/g	J	sp	< PQL		
4402207712	RISB-ER-02-1.0-20180924	9/24/2018	E1668A	74472-48-3	PCB-184 (2,2',3,4,4',6,6'-HpCB)	3.5	Jq	0.029	21	pg/g	J	k.sp	EMPC; < PQL		
4402207712	RISB-ER-02-1.0-20180924	9/24/2018	E1668A	61798-70-7	PCB-131 (2,2',3,3',4,6-HxCB)	0.56	J	0.22	21	pg/g	J	sp	< PQL		
4402207712	RISB-ER-02-1.0-20180924	9/24/2018	E1668A	68194-14-9	PCB-144 (2,2',3,4,5',6-HxCB)	1.1	J	0.20	21	pg/g	J	sp	< PQL		
4402207712	RISB-ER-02-1.0-20180924	9/24/2018	E1668A	52663-67-9	PCB-178 (2,2',3,3',5,5',6-HpCB)	3.3	J	0.038	21	pg/g	J	sp	< PQL		
4402207712	RISB-ER-02-1.0-20180924	9/24/2018	E1668A	PCB26+29	PCBs 26 + 29	0.51	J	0.14	41	pg/g	J	sp	< PQL		
4402207712	RISB-ER-02-1.0-20180924	9/24/2018	E1668A	PCB147+149	PCBs 147 + 149	5.3	JB	0.20	41	pg/g	J	sp	< PQL		
4402207712	RISB-ER-02-1.0-20180924	9/24/2018	E1668A	74472-49-4	PCB-186 (2,2',3,4,5,6,6'-HpCB)	0.44	Jq	0.027	21	pg/g	J	k.sp	EMPC; < PQL		
4402207712	RISB-ER-02-1.0-20180924	9/24/2018	E1668A	74472-42-7	PCB-158 (2,3,3',4,4',6-HxCB)	2.4	J	0.14	21	pg/g	J	sp	< PQL		
4402207712	RISB-ER-02-1.0-20180924	9/24/2018	E1668A	70424-67-8	PCB-057 (2,3,3',5-TeCB)	0.15	Jq	0.12	21	pg/g	J	k.sp	EMPC; < PQL		
4402207712	RISB-ER-02-1.0-20180924	9/24/2018	E1668A	52663-68-0	PCB-187 (2,2',3,4',5,5',6-HpCB)	7.3	J	0.034	21	pg/g	J	sp	< PQL		
4402207712	RISB-ER-02-1.0-20180924	9/24/2018	E1668A	73575-52-7	PCB-068 (2,3',4,5'-TeCB)	0.28	J	0.11	21	pg/g	J	sp	< PQL		
4402207712	RISB-ER-02-1.0-20180924	9/24/2018	E1668A	41464-48-6	PCB-079 (3,3',4,5'-TeCB)	1.1	J	0.13	21	pg/g	J	sp	< PQL		

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte ¹	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator ²	Qualification Finding	Acceptance Criteria
4402207712	RISB-ER-02-1.0-20180924	9/24/2018	E1668A	52663-64-6	PCB-179 (2,2',3,3',5,6,6'-HpCB)	2.1	J	0.028	21	pg/g	J	sp	< PQL		
4402207712	RISB-ER-02-1.0-20180924	9/24/2018	E1668A	52663-66-8	PCB-130 (2,2',3,3',4,5'-HxCB)	2.5	J	0.24	21	pg/g	J	sp	< PQL		
4402207712	RISB-ER-02-1.0-20180924	9/24/2018	E1668A	57465-28-8	PCB-126 (3,3',4,4',5'-PeCB)	1.9	Jq	0.27	2.1	pg/g	J	k,sp	EMPC; < PQL		
4402207712	RISB-ER-02-1.0-20180924	9/24/2018	E1668A	16606-02-3	PCB-031 (2,4',5'-TrCB)	1.7	JB	0.14	21	pg/g	J	sp	< PQL		
4402207712	RISB-ER-02-1.0-20180924	9/24/2018	E1668A	74472-53-0	PCB-205 (2,3,3',4,4',5,5',6-OcCB)	7.7	J	0.10	21	pg/g	J	sp	< PQL		
4402207712	RISB-ER-02-1.0-20180924	9/24/2018	E1668A	74472-46-1	PCB-165 (2,3,3',5,5',6-HxCB)	0.52	Jq	0.16	21	pg/g	J	k,sp	EMPC; < PQL		
4402207712	RISB-ER-02-1.0-20180924	9/24/2018	E1668A	74472-34-7	PCB-063 (2,3,4',5'-TeCB)	0.21	Jq	0.11	21	pg/g	J	k,sp	EMPC; < PQL		
4402207712	RISB-ER-02-1.0-20180924	9/24/2018	E1668A	PCB107+124	PCBs 107 + 124	1.1	J	0.27	41	pg/g	J	sp	< PQL		
4402207712	RISB-ER-02-1.0-20180924	9/24/2018	E1668A	PCB110+115	PCBs 110 + 115	7.2	J	0.26	41	pg/g	J	sp	< PQL		
4402207712	RISB-ER-02-1.0-20180924	9/24/2018	E1668A	PCB128+166	PCBs 128 + 166	3.8	JB	0.17	41	pg/g	J	sp	< PQL		
4402207712	RISB-ER-02-1.0-20180924	9/24/2018	E1668A	PCB20+28	PCBs 20 + 28	1.3	JB	0.15	41	pg/g	J	bl,sp	MB contamination; < PQL	0.303	1.515 pg/g
4402207712	RISB-ER-02-1.0-20180924	9/24/2018	E1668A	25323-68-6	Trichlorobiphenyl (total)	12	JqB	0.14	210	pg/g	J	k,sp	EMPC; < PQL		
4402207712	RISB-ER-02-1.0-20180924	9/24/2018	E1668A	38444-87-0	PCB-036 (3,3',5'-TrCB)	0.43	J	0.14	21	pg/g	J	sp	< PQL		
4402207712	RISB-ER-02-1.0-20180924	9/24/2018	E1668A	52663-74-8	PCB-172 (2,2',3,3',4,5,5'-HpCB)	5.0	J	0.79	21	pg/g	J	sp	< PQL		
4402207712	RISB-ER-02-1.0-20180924	9/24/2018	E1668A	PCB171+173	PCBs 171 + 173	7.4	J	0.79	41	pg/g	J	sp	< PQL		
4402207712	RISB-ER-02-1.0-20180924	9/24/2018	E1668A	65510-44-3	PCB-123 (2,3',4,4',5'-PeCB)	0.82	J	0.30	2.1	pg/g	J	sp	< PQL		
4402207712	RISB-ER-02-1.0-20180924	9/24/2018	E1668A	74472-50-7	PCB-191 (2,3,3',4,4',5,6-HpCB)	2.1	J	0.56	21	pg/g	J	sp	< PQL		
4402207712	RISB-ER-02-1.0-20180924	9/24/2018	E1668A	74472-51-8	PCB-192 (2,3,3',4,5,5',6-HpCB)	1.5	J	0.58	21	pg/g	J	sp	< PQL		
4402207712	RISB-ER-02-1.0-20180924	9/24/2018	E1668A	52663-61-3	PCB-092 (2,2',3,5,5'-PeCB)	0.84	J	0.34	21	pg/g	J	sp	< PQL		
4402207712	RISB-ER-02-1.0-20180924	9/24/2018	E1668A	42740-50-1	PCB-196 (2,2',3,3',4,4',5,6'-OcCB)	18	J	0.10	21	pg/g	J	sp	< PQL		
4402207712	RISB-ER-02-1.0-20180924	9/24/2018	E1668A	PCB198+199	PCBs 198 + 199	23	JB	0.11	41	pg/g	J	sp	< PQL		
4402207712	RISB-ER-02-1.0-20180924	9/24/2018	E1668A	41411-64-7	PCB-190 (2,3,3',4,4',5,6-HpCB)	3.2	J	0.52	21	pg/g	J	sp	< PQL		
4402207712	RISB-ER-02-1.0-20180924	9/24/2018	E1668A	38380-05-1	PCB-132 (2,2',3,3',4,6'-HxCB)	2.1	J	0.22	21	pg/g	J	sp	< PQL		
4402207712	RISB-ER-02-1.0-20180924	9/24/2018	E1668A	PCB135+151	PCBs 135 + 151	2.7	J	0.21	41	pg/g	J	sp	< PQL		
4402207712	RISB-ER-02-1.0-20180924	9/24/2018	E1668A	70362-47-9	PCB-048 (2,2',4,5'-TeCB)	0.19	J	0.10	21	pg/g	J	sp	< PQL		
4402207712	RISB-ER-02-1.0-20180924	9/24/2018	E1668A	74472-45-0	PCB-164 (2,3,3',4,5',6-HxCB)	1.9	J	0.16	21	pg/g	J	sp	< PQL		
4402207712	RISB-ER-02-1.0-20180924	9/24/2018	E1668A	52663-69-1	PCB-183 (2,2',3,4,4',5,6-HpCB)	7.8	JB	0.65	21	pg/g	J	sp	< PQL		
4402207712	RISB-ER-02-1.0-20180924	9/24/2018	E1668A	39635-33-1	PCB-127 (3,3',4,5,5'-PeCB)	1.1	Jq	0.28	21	pg/g	J	k,sp	EMPC; < PQL		
4402207712	RISB-ER-02-1.0-20180924	9/24/2018	E1668A	PCB40+71	PCBs 40 + 71	0.54	JB	0.099	41	pg/g	J	sp	< PQL		
4402207712	RISB-ER-02-1.0-20180924	9/24/2018	E1668A	38411-25-5	PCB-174 (2,2',3,3',4,5,6'-HpCB)	4.8	JB	0.82	21	pg/g	J	sp	< PQL		
4402207712	RISB-ER-02-1.0-20180924	9/24/2018	E1668A	70362-50-4	PCB-081 (3,4,4',5'-TeCB)	0.70	Jq	0.17	2.1	pg/g	J	k,sp	EMPC; < PQL		
4402207712	RISB-ER-02-1.0-20180924	9/24/2018	E1668A	40186-70-7	PCB-175 (2,2',3,3',4,5',6-HpCB)	4.9	J	0.036	21	pg/g	J	sp	< PQL		
4402207712	RISB-ER-02-1.0-20180924	9/24/2018	E1668A	38380-01-7	PCB-099 (2,2',4,4',5'-PeCB)	1.7	J	0.29	21	pg/g	J	sp	< PQL		
4402207712	RISB-ER-02-1.0-20180924	9/24/2018	E1668A	2051-62-9	PCB-003 (4-CB)	1.4	J	0.16	21	pg/g	J	sp	< PQL		
4402207712	RISB-ER-02-1.0-20180924	9/24/2018	E1668A	74472-47-2	PCB-181 (2,2',3,4,4',5,6-HpCB)	1.4	J	0.69	21	pg/g	J	sp	< PQL		
4402207712	RISB-ER-02-1.0-20180924	9/24/2018	E1668A	PCB61+70+74+76	PCBs 61 + 70 + 74 + 76	4.2	JB	0.12	83	pg/g	J	sp	< PQL		
4402207712	RISB-ER-02-1.0-20180924	9/24/2018	E1668A	PCB90+101+113	PCBs 90 + 101 + 113	4.2	JB	0.28	62	pg/g	J	sp	< PQL		
4402207712	RISB-ER-02-1.0-20180924	9/24/2018	E1668A	39635-31-9	PCB-189 (2,3,3',4,4',5,5'-HpCB)	3.8	q	0.071	2.1	pg/g	J	k	EMPC		
4402207712	RISB-ER-02-1.0-20180924	9/24/2018	E1668A	70362-49-1	PCB-078 (3,3',4,5'-TeCB)	0.59	Jq	0.14	21	pg/g	J	k,sp	EMPC; < PQL		
4402207712	RISB-ER-02-1.0-20180924	9/24/2018	E1668A	2051-61-8	PCB-002 (3-CB)	1.7	J	0.15	21	pg/g	J	sp	< PQL		
4402207712	RISB-ER-02-1.0-20180924	9/24/2018	E1668A	53555-66-1	PCB-038 (3,4,5'-TrCB)	0.36	J	0.16	21	pg/g	J	sp	< PQL		
4402207712	RISB-ER-02-1.0-20180924	9/24/2018	E1668A	52663-65-7	PCB-176 (2,2',3,3',4,6,6'-HpCB)	2.1	Jq	0.026	21	pg/g	J	k,sp	EMPC; < PQL		
4402207712	RISB-ER-02-1.0-20180924	9/24/2018	E1668A	52663-78-2	PCB-195 (2,2',3,3',4,4',5,6-OcCB)	9.4	J	0.14	21	pg/g	J	sp	< PQL		
4402207712	RISB-ER-02-1.0-20180924	9/24/2018	E1668A	52663-73-7	PCB-200 (2,2',3,3',4,5,6,6'-OcCB)	5.0	J	0.087	21	pg/g	J	sp	< PQL		
4402207712	RISB-ER-02-1.0-20180924	9/24/2018	E1668A	2051-60-7	PCB-001 (2-CB)	3.2	J	0.21	21	pg/g	J	sp	< PQL		
4402207712	RISB-ER-02-1.0-20180924	9/24/2018	E1668A	PCB59+62+75	PCBs 59 + 62 + 75	0.41	J	0.074	62	pg/g	J	sp	< PQL		
4402207712	RISB-ER-02-1.0-20180924	9/24/2018	E1668A	68194-08-1	PCB-150 (2,2',3,4',6,6'-HxCB)	0.38	J	0.14	21	pg/g	J	sp	< PQL		
4402207712	RISB-ER-02-1.0-20180924	9/24/2018	E1668A	38379-99-6	PCB-095 (2,2',3,5',6'-PeCB)	1.6	J	0.32	21	pg/g	J	sp	< PQL		
4402207712	RISB-ER-02-1.0-20180924	9/24/2018	E1668A	41411-61-4	PCB-142 (2,2',3,4,5,6-HxCB)	0.84	J	0.23	21	pg/g	J	sp	< PQL		
4402207712	RISB-ER-02-1.0-20180924	9/24/2018	E1668A	52712-04-6	PCB-141 (2,2',3,4,5,5'-HxCB)	4.1	JB	0.21	21	pg/g	J	sp	< PQL		
4402207712	RISB-ER-02-1.0-20180924	9/24/2018	E1668A	37680-66-3	PCB-017 (2,2',4'-TrCB)	0.26	Jq	0.14	21	pg/g	J	k,sp	EMPC; < PQL		
4402207712	RISB-ER-02-1.0-20180924	9/24/2018	E1668A	35065-30-6	PCB-170 (2,2',3,3',4,4',5'-HpCB)	4.1	JB	0.80	21	pg/g	J	sp	< PQL		
4402207712	RISB-ER-02-1.0-20180924	9/24/2018	E1668A	39635-32-0	PCB-111 (2,3,3',5,5'-PeCB)	0.96	J	0.25	21	pg/g	J	sp	< PQL		
4402207712	RISB-ER-02-1.0-20180924	9/24/2018	E1668A	38444-85-8	PCB-022 (2,3,4'-TrCB)	0.65	Jq	0.16	21	pg/g	J	k,sp	EMPC; < PQL		
4402207712	RISB-ER-02-1.0-20180924	9/24/2018	E1668A	68194-12-7	PCB-120 (2,3',4,5,5'-PeCB)	0.78	Jq	0.25	21	pg/g	J	k,sp	EMPC; < PQL		
4402207712	RISB-ER-02-1.0-20180924	9/24/2018	E1668A	55722-26-4	Octachlorobiphenyl	130	JB	0.10	210	pg/g	J	sp	< PQL		

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte ¹	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator ²	Qualification Finding	Acceptance Criteria
4402207712	RISB-ER-02-1.0-20180924	9/24/2018	E1668A	32598-10-0	PCB-066 (2,3',4,4'-TeCB)	1.9	JB	0.13	21	pg/g	J	sp	< PQL		
4402207712	RISB-ER-02-1.0-20180924	9/24/2018	E1668A	33284-52-5	PCB-080 (3,3',5,5'-TeCB)	0.45	J	0.11	21	pg/g	J	sp	< PQL		
4402207712	RISB-ER-02-1.0-20180924	9/24/2018	E1668A	33979-03-2	PCB-155 (2,2',4,4',6,6'-HxCB)	0.40	JqB	0.16	21	pg/g	J	k,sp	EMPC; < PQL		
4402207712	RISB-ER-02-1.0-20180924	9/24/2018	E1668A	35694-08-7	PCB-194 (2,2',3,3',4,4',5,5'-OxCB)	11	JB	0.14	21	pg/g	J	sp	< PQL		
4402207712	RISB-ER-02-1.0-20180924	9/24/2018	E1668A	60145-23-5	PCB-182 (2,2',3,4,4',5,6'-HpCB)	2.6	J	0.034	21	pg/g	J	sp	< PQL		
4402207712	RISB-ER-02-1.0-20180924	9/24/2018	E1668A	52712-05-7	PCB-185 (2,2',3,4,5,5',6'-HpCB)	1.8	J	0.70	21	pg/g	J	sp	< PQL		
4402207712	RISB-ER-02-10.0-20180924	9/24/2018	E1668A	33979-03-2	PCB-155 (2,2',4,4',6,6'-HxCB)	0.15	JB	0.036	21	pg/g	J	bl,sp	MB contamination; < PQL	0.0365	0.1825 pg/g
4402207712	RISB-ER-02-10.0-20180924	9/24/2018	E1668A	2051-24-3	PCB-209 (DeCB)	7.4	JB	0.015	21	pg/g	J	sp	< PQL		
4402207712	RISB-ER-02-10.0-20180924	9/24/2018	E1668A	16606-02-3	PCB-031 (2,4',5-TrCB)	0.24	JqB	0.086	21	pg/g	J	bl,k,sp	MB contamination; EMPC; < PQL	0.231	1.155 pg/g
4402207712	RISB-ER-02-10.0-20180924	9/24/2018	E1668A	57465-28-8	PCB-126 (3,3',4,4',5'-PeCB)	0.17	J	0.095	2.1	pg/g	J	sp	< PQL		
4402207712	RISB-ER-02-10.0-20180924	9/24/2018	E1668A	52663-64-6	PCB-179 (2,2',3,3',5,6,6'-HpCB)	0.046	Jq	0.018	21	pg/g	J	k,sp	EMPC; < PQL		
4402207712	RISB-ER-02-10.0-20180924	9/24/2018	E1668A	35065-30-6	PCB-170 (2,2',3,3',4,4',5'-HpCB)	0.094	JqB	0.050	21	pg/g	J	bl,k,sp	MB contamination; EMPC; < PQL	0.0853	0.4265 pg/g
4402207712	RISB-ER-02-10.0-20180924	9/24/2018	E1668A	PCB61+70+74+76	PCBs 61 + 70 + 74 + 76	0.36	JB	0.050	83	pg/g	J	bl,sp	MB contamination; < PQL	0.294	1.47 pg/g
4402207712	RISB-ER-02-10.0-20180924	9/24/2018	E1668A	55722-26-4	Octachlorobiphenyl	0.83	JqB	0.031	210	pg/g	J	k,sp	EMPC; < PQL		
4402207712	RISB-ER-02-10.0-20180924	9/24/2018	E1668A	39635-31-9	PCB-189 (2,3,3',4,4',5,5'-HpCB)	0.10	J	0.026	2.1	pg/g	J	sp	< PQL		
4402207712	RISB-ER-02-10.0-20180924	9/24/2018	E1668A	32598-10-0	PCB-066 (2,3',4,4'-TeCB)	0.14	JqB	0.054	21	pg/g	J	bl,k,sp	MB contamination; EMPC; < PQL	0.136	0.68 pg/g
4402207712	RISB-ER-02-10.0-20180924	9/24/2018	E1668A	35694-08-7	PCB-194 (2,2',3,3',4,4',5,5'-OxCB)	0.11	JqB	0.037	21	pg/g	J	bl,k,sp	MB contamination; EMPC; < PQL	0.0490	0.245 pg/g
4402207712	RISB-ER-02-10.0-20180924	9/24/2018	E1668A	74472-53-0	PCB-205 (2,3,3',4,4',5,5',6'-OxCB)	0.090	Jq	0.027	21	pg/g	J	k,sp	EMPC; < PQL		
4402207712	RISB-ER-02-10.0-20180924	9/24/2018	E1668A	52663-65-7	PCB-176 (2,2',3,3',4,6,6'-HpCB)	0.024	Jq	0.016	21	pg/g	J	k,sp	EMPC; < PQL		
4402207712	RISB-ER-02-10.0-20180924	9/24/2018	E1668A	PCB156+157	PCBs 156 + 157	0.26	JB	0.033	4.1	pg/g	J	bl,sp	MB contamination; < PQL	0.0730	0.365 pg/g
4402207712	RISB-ER-02-10.0-20180924	9/24/2018	E1668A	56558-16-8	PCB-104 (2,2',4,6,6'-PeCB)	0.27	J	0.049	21	pg/g	J	sp	< PQL		
4402207712	RISB-ER-02-10.0-20180924	9/24/2018	E1668A	74472-46-1	PCB-165 (2,3,3',5,5',6'-HxCB)	0.063	Jq	0.041	21	pg/g	J	k,sp	EMPC; < PQL		
4402207712	RISB-ER-02-10.0-20180924	9/24/2018	E1668A	PCB110+115	PCBs 110 + 115	0.32	Jq	0.090	41	pg/g	J	k,sp	EMPC; < PQL		
4402207712	RISB-ER-02-10.0-20180924	9/24/2018	E1668A	PCB20+28	PCBs 20 + 28	0.36	JqB	0.093	41	pg/g	J	bl,k,sp	MB contamination; EMPC; < PQL	0.303	1.515 pg/g
4402207712	RISB-ER-02-10.0-20180924	9/24/2018	E1668A	PCB40+71	PCBs 40 + 71	0.12	JqB	0.051	41	pg/g	J	bl,k,sp	MB contamination; EMPC; < PQL	0.0838	0.419 pg/g
4402207712	RISB-ER-02-10.0-20180924	9/24/2018	E1668A	38380-05-1	PCB-132 (2,2',3,3',4,6'-HxCB)	9.0	Jq	0.056	21	pg/g	J	k,sp	EMPC; < PQL		
4402207712	RISB-ER-02-10.0-20180924	9/24/2018	E1668A	52663-79-3	PCB-207 (2,2',3,3',4,4',5,6,6'-NoCB)	1.1	J	0.064	21	pg/g	J	sp	< PQL		
4402207712	RISB-ER-02-10.0-20180924	9/24/2018	E1668A	70362-47-9	PCB-048 (2,2',4,5'-TeCB)	0.057	Jq	0.053	21	pg/g	J	k,sp	EMPC; < PQL		
4402207712	RISB-ER-02-10.0-20180924	9/24/2018	E1668A	2051-60-7	PCB-001 (2-CB)	0.54	Jq	0.21	21	pg/g	J	k,sp	EMPC; < PQL		
4402207712	RISB-ER-02-10.0-20180924	9/24/2018	E1668A	40186-72-9	PCB-206 (2,2',3,3',4,4',5,5',6'-NoCB)	0.79	Jq	0.093	21	pg/g	J	k,sp	EMPC; < PQL		
4402207712	RISB-ER-02-10.0-20180924	9/24/2018	E1668A	31508-00-6	PCB-118 (2,3',4,4',5'-PeCB)	0.50	J	0.098	2.1	pg/g	J	sp	< PQL		
4402207712	RISB-ER-02-10.0-20180924	9/24/2018	E1668A	52663-72-6	PCB-167 (2,3',4,4',5,5'-HxCB)	0.16	JqB	0.024	2.1	pg/g	J	k,sp	EMPC; < PQL		
4402207712	RISB-ER-02-10.0-20180924	9/24/2018	E1668A	42740-50-1	PCB-196 (2,2',3,3',4,4',5,6'-OxCB)	0.17	J	0.034	21	pg/g	J	sp	< PQL		
4402207712	RISB-ER-02-10.0-20180924	9/24/2018	E1668A	25323-68-6	Trichlorobiphenyl (total)	1.6	JqB	0.10	210	pg/g	J	bl,k,sp	MB contamination; EMPC; < PQL	0.534	2.67 pg/g
4402207712	RISB-ER-02-10.0-20180924	9/24/2018	E1668A	2051-62-9	PCB-003 (4-CB)	0.55	J	0.14	21	pg/g	J	sp	< PQL		
4402207712	RISB-ER-02-10.0-20180924	9/24/2018	E1668A	52663-69-1	PCB-183 (2,2',3,4,4',5,6'-HpCB)	0.12	JqB	0.041	21	pg/g	J	bl,k,sp	MB contamination; EMPC; < PQL	0.0964	0.482 pg/g
4402207712	RISB-ER-02-10.0-20180924	9/24/2018	E1668A	15968-05-5	PCB-054 (2,2',6,6'-TeCB)	0.34	J	0.032	21	pg/g	J	sp	< PQL		
4402207712	RISB-ER-02-10.0-20180924	9/24/2018	E1668A	52663-58-8	PCB-064 (2,3,4',6'-TeCB)	0.11	J	0.037	21	pg/g	J	sp	< PQL		
4402207712	RISB-ER-02-10.0-20180924	9/24/2018	E1668A	38444-73-4	PCB-019 (2,2',6-TrCB)	0.37	J	0.13	21	pg/g	J	sp	< PQL		
4402207712	RISB-ER-02-10.0-20180924	9/24/2018	E1668A	74472-52-9	PCB-204 (2,2',3,4,4',5,6,6'-OxCB)	0.066	Jq	0.026	21	pg/g	J	k,sp	EMPC; < PQL		
4402207712	RISB-ER-02-10.0-20180924	9/24/2018	E1668A	74472-48-3	PCB-184 (2,2',3,4,4',6,6'-HpCB)	0.033	Jq	0.018	21	pg/g	J	k,sp	EMPC; < PQL		
4402207712	RISB-ER-02-10.0-20180924	9/24/2018	E1668A	40186-71-8	PCB-201 (2,2',3,3',4,5',6,6'-OxCB)	0.14	J	0.026	21	pg/g	J	sp	< PQL		
4402207712	RISB-ER-02-10.0-20180924	9/24/2018	E1668A	52663-68-0	PCB-187 (2,2',3,4',5,5',6'-HpCB)	0.21	Jq	0.021	21	pg/g	J	k,sp	EMPC; < PQL		
4402207712	RISB-ER-02-10.0-20180924	9/24/2018	E1668A	52663-77-1	PCB-208 (2,2',3,3',4,5,5',6,6'-NoCB)	0.73	Jq	0.081	21	pg/g	J	k,sp	EMPC; < PQL		
4402207712	RISB-ER-02-10.0-20180924	9/24/2018	E1668A	PCB44+47+65	PCBs 44 + 47 + 65	0.47	JB	0.050	62	pg/g	J	bl,sp	MB contamination; < PQL	0.445	2.225 pg/g
4402207712	RISB-ER-02-10.0-20180924	9/24/2018	E1668A	26601-64-9	Hexachlorobiphenyl	11	JqB	0.043	210	pg/g	J	k,sp	EMPC; < PQL		
4402207712	RISB-ER-02-10.0-20180924	9/24/2018	E1668A	33091-17-7	PCB-197 (2,2',3,3',4,4',6,6'-OxCB)	0.10	Jq	0.023	21	pg/g	J	k,sp	EMPC; < PQL		
4402207712	RISB-ER-02-10.0-20180924	9/24/2018	E1668A	32774-16-6	PCB-169 (3,3',4,4',5,5'-HxCB)	0.21	J	0.024	2.1	pg/g	J	sp	< PQL		
4402207712	RISB-ER-02-10.0-20180924	9/24/2018	E1668A	51908-16-8	PCB-146 (2,2',3,4',5,5'-HxCB)	0.073	JqB	0.048	21	pg/g	J	bl,k,sp	MB contamination; EMPC; < PQL	0.0477	0.2385 pg/g
4402207712	RISB-ER-02-10.0-20180924	9/24/2018	E1668A	53742-07-7	Nonachlorobiphenyl	2.6	Jq	0.079	210	pg/g	J	k,sp	EMPC; < PQL		
4402207712	RISB-ER-02-10.0-20180924	9/24/2018	E1668A	38444-90-5	PCB-037 (3,4,4'-TrCB)	0.34	J	0.13	21	pg/g	J	sp	< PQL		
4402207712	RISB-ER-02-10.0-20180924	9/24/2018	E1668A	PCB129+138+163	PCBs 129 + 138 + 163	0.33	JB	0.047	62	pg/g	J	bl,sp	MB contamination; < PQL	0.152	0.76 pg/g
4402207712	RISB-ER-02-10.0-20180924	9/24/2018	E1668A	35693-99-3	PCB-052 (2,2',5,5'-TeCB)	0.35	JB	0.057	21	pg/g	J	bl,sp	MB contamination; < PQL	0.304	1.52 pg/g
4402207712	RISB-ER-02-10.0-20180924	9/24/2018	E1668A	52663-67-9	PCB-178 (2,2',3,3',5,5',6'-HpCB)	0.070	J	0.024	21	pg/g	J	sp	< PQL		
4402207712	RISB-ER-02-10.0-20180924	9/24/2018	E1668A	32598-13-3	PCB-077 (3,3',4,4'-TeCB)	0.27	J	0.070	2.1	pg/g	J	sp	< PQL		
4402207712	RISB-ER-02-10.0-20180924	9/24/2018	E1668A	74487-85-7	PCB-188 (2,2',3,4',5,6,6'-HpCB)	0.14	J	0.025	21	pg/g	J	sp	< PQL		

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte ¹	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator ²	Qualification Finding	Acceptance Criteria
4402207712	RISB-ER-02-10.0-20180924	9/24/2018	E1668A	PCB180+193	PCBs 180 + 193	0.34	JB	0.039	41	pg/g	J	bl,sp	MB contamination; < PQL	0.119	0.595 pg/g
4402207712	RISB-ER-02-10.0-20180924	9/24/2018	E1668A	36559-22-5	PCB-042 (2,2',3,4'-TeCB)	0.096	J	0.057	21	pg/g	J	sp	< PQL		
4402207712	RISB-ER-02-10.0-20180924	9/24/2018	E1668A	PCB49+69	PCBs 49 + 69	0.13	JB	0.044	41	pg/g	J	bl,sp	MB contamination; < PQL	0.152	0.76 pg/g
4402207712	RISB-ER-02-10.0-20180924	9/24/2018	E1668A	25429-29-2	PENTACHLOROBIPHENYL	1.3	JqB	0.10	210	pg/g	J	k.sp	EMPC; < PQL		
4402207712	RISB-ER-02-10.0-20180924	9/24/2018	E1668A	PCB153+168	PCBs 153 + 168	0.25	JqB	0.039	41	pg/g	J	bl,k,sp	MB contamination; EMPC; < PQL	0.164	0.82 pg/g
4402207712	RISB-ER-02-10.0-20180924	9/24/2018	E1668A	PCB147+149	PCBs 147 + 149	0.26	JB	0.051	41	pg/g	J	bl,sp	MB contamination; < PQL	0.142	0.71 pg/g
4402207712	RISB-ER-02-10.0-20180924	9/24/2018	E1668A	2136-99-4	PCB-202 (2,2',3,3',5,5',6,6'-OxCB)	0.15	JB	0.036	21	pg/g	J	bl,sp	MB contamination; < PQL	0.0323	0.1615 pg/g
4402207712	RISB-ER-02-10.0-20180924	9/24/2018	E1668A	27323-18-8	Monochlorobiphenyl	1.1	Jq	0.16	210	pg/g	J	k.sp	EMPC; < PQL		
4402207712	RISB-ER-02-10.0-20180924	9/24/2018	E1668A	26914-33-0	Tetrachlorobiphenyl	2.5	JqB	0.053	210	pg/g	J	bl,k,sp	MB contamination; EMPC; < PQL	1.62	8.1 pg/g
4402207712	RISB-ER-02-10.0-20180924	9/24/2018	E1668A	28655-71-2	Heptachlorobiphenyl	1.2	JqB	0.033	210	pg/g	J	bl,k,sp	MB contamination; EMPC; < PQL	0.365	1.825 pg/g
4402207712	RISB-ER-02-10.0-20180924	9/24/2018	E1668A	PCB18+30	PCBs 18 + 30	0.24	J	0.098	41	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925	9/25/2018	E1668A	2051-62-9	PCB-003 (4-CB)	1.5	J	0.12	20	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925	9/25/2018	E1668A	57465-28-8	PCB-126 (3,3',4,4',5'-PeCB)	1.2	J	0.50	2.0	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925	9/25/2018	E1668A	74472-47-2	PCB-181 (2,2',3,4,4',5,6-HpCB)	1.0	Jq	0.75	20	pg/g	J	k.sp	EMPC; < PQL		
4402208432	RISB-EJ-03-1.0-20180925	9/25/2018	E1668A	38379-99-6	PCB-095 (2,2',3,5',6'-PeCB)	2.7	J	0.52	20	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925	9/25/2018	E1668A	PCB90+101+113	PCBs 90 + 101 + 113	5.7	J	0.46	61	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925	9/25/2018	E1668A	PCB61+70+74+76	PCBs 61 + 70 + 74 + 76	4.7	JB	0.11	82	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925	9/25/2018	E1668A	52712-04-6	PCB-141 (2,2',3,4,5,5'-HxCB)	4.4	J	0.43	20	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925	9/25/2018	E1668A	52663-74-8	PCB-172 (2,2',3,3',4,5,5'-HpCB)	4.3	J	0.85	20	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925	9/25/2018	E1668A	52663-73-7	PCB-200 (2,2',3,3',4,5,6,6'-OxCB)	3.7	J	0.11	20	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925	9/25/2018	E1668A	52663-66-8	PCB-130 (2,2',3,3',4,5'-HxCB)	2.3	J	0.49	20	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925	9/25/2018	E1668A	52663-64-6	PCB-179 (2,2',3,3',5,6,6'-HpCB)	2.4	J	0.031	20	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925	9/25/2018	E1668A	38444-85-8	PCB-022 (2,3,4'-TrCB)	1.5	J	0.10	20	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925	9/25/2018	E1668A	37680-66-3	PCB-017 (2,2',4'-TrCB)	0.21	J	0.075	20	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925	9/25/2018	E1668A	38380-01-7	PCB-099 (2,2',4,4',5'-PeCB)	2.2	J	0.48	20	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925	9/25/2018	E1668A	39635-32-0	PCB-111 (2,3,3',5,5'-PeCB)	0.86	J	0.41	20	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925	9/25/2018	E1668A	55722-26-4	Octachlorobiphenyl	96	JB	0.11	200	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925	9/25/2018	E1668A	PCB156+157	PCBs 156 + 157	3.9	J	0.35	4.1	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925	9/25/2018	E1668A	PCB26+29	PCBs 26 + 29	0.51	J	0.093	41	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925	9/25/2018	E1668A	2974-92-7M	PCB-12/13	2.2	J	0.70	41	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925	9/25/2018	E1668A	PCB153+168	PCBs 153 + 168	10	J	0.32	41	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925	9/25/2018	E1668A	35065-30-6	PCB-170 (2,2',3,3',4,4',5'-HpCB)	5.3	J	0.85	20	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925	9/25/2018	E1668A	70362-45-7	PCB-045 (2,2',3,6'-TeCB)	0.19	J	0.11	20	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925	9/25/2018	E1668A	68194-12-7	PCB-120 (2,2',3,4,5,5'-PeCB)	0.67	Jq	0.41	20	pg/g	J	k.sp	EMPC; < PQL		
4402208432	RISB-EJ-03-1.0-20180925	9/25/2018	E1668A	56558-16-8	PCB-104 (2,2',4,6,6'-PeCB)	0.35	J	0.12	20	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925	9/25/2018	E1668A	39635-31-9	PCB-189 (2,3,3',4,4',5,5'-HpCB)	3.7	B	0.074	2.0	pg/g	J	fd	FD RPD	65	50 %
4402208432	RISB-EJ-03-1.0-20180925	9/25/2018	E1668A	32598-10-0	PCB-066 (2,3',4,4'-TeCB)	2.6	JB	0.12	20	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925	9/25/2018	E1668A	33284-52-5	PCB-080 (3,3',5,5'-TeCB)	0.41	J	0.11	20	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925	9/25/2018	E1668A	33979-03-2	PCB-155 (2,2',4,4',6,6'-HxCB)	0.47	J	0.25	20	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925	9/25/2018	E1668A	35694-08-7	PCB-194 (2,2',3,3',4,4',5,5'-OxCB)	8.2	JB	0.12	20	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925	9/25/2018	E1668A	53742-07-7	Nonachlorobiphenyl	220	B	0.32	200	pg/g	J	fd	FD RPD	61; 59	50 %
4402208432	RISB-EJ-03-1.0-20180925	9/25/2018	E1668A	52712-05-7	PCB-185 (2,2',3,4,5,5',6'-HpCB)	1.2	J	0.75	20	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925	9/25/2018	E1668A	40186-70-7	PCB-175 (2,2',3,3',4,5',6'-HpCB)	3.9	J	0.039	20	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925	9/25/2018	E1668A	60145-23-5	PCB-182 (2,2',3,4,4',5,6'-HpCB)	2.0	Jq	0.037	20	pg/g	J	k.sp	EMPC; < PQL		
4402208432	RISB-EJ-03-1.0-20180925	9/25/2018	E1668A	38380-05-1	PCB-132 (2,2',3,3',4,6'-HxCB)	2.8	J	0.46	20	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925	9/25/2018	E1668A	PCB171+173	PCBs 171 + 173	5.2	J	0.85	41	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925	9/25/2018	E1668A	PCB50+53	PCBs 50 + 53	0.16	J	0.089	41	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925	9/25/2018	E1668A	PCB135+151	PCBs 135 + 151	3.8	J	0.43	41	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925	9/25/2018	E1668A	74472-45-0	PCB-164 (2,3,3',4',5',6'-HxCB)	2.6	J	0.33	20	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925	9/25/2018	E1668A	70362-47-9	PCB-048 (2,2',4,5'-TeCB)	0.26	J	0.098	20	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925	9/25/2018	E1668A	2050-67-1	PCB-011 (3,3'-DiCB)	2.8	J	0.69	20	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925	9/25/2018	E1668A	52663-61-3	PCB-092 (2,2',3,5,5'-PeCB)	0.93	Jq	0.56	20	pg/g	J	k.sp	EMPC; < PQL		
4402208432	RISB-EJ-03-1.0-20180925	9/25/2018	E1668A	52663-79-3	PCB-207 (2,2',3,3',4,4',5,6,6'-NoCB)	87	B	0.25	20	pg/g	J	fd	FD RPD	59	50 %
4402208432	RISB-EJ-03-1.0-20180925	9/25/2018	E1668A	38411-25-5	PCB-174 (2,2',3,3',4,5,6'-HpCB)	5.2	J	0.89	20	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925	9/25/2018	E1668A	41464-48-6	PCB-079 (3,3',4,5'-TeCB)	0.91	J	0.12	20	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925	9/25/2018	E1668A	13029-08-8	PCB-004 (2,2'-DiCB)	1.5	Jq	0.56	20	pg/g	J	k.sp	EMPC; < PQL		

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte ¹	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator ²	Qualification Finding	Acceptance Criteria
4402208432	RISB-EJ-03-1.0-20180925	9/25/2018	E1668A	PCB198+199	PCBs 198 + 199	17	J	0.13	41	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925	9/25/2018	E1668A	PCB59+62+75	PCBs 59 + 62 + 75	0.48	J	0.070	61	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925	9/25/2018	E1668A	27323-18-8	Monochlorobiphenyl	3.5	Jq	0.14	200	pg/g	J	k,sp	EMPC; < PQL		
4402208432	RISB-EJ-03-1.0-20180925	9/25/2018	E1668A	26914-33-0	Tetrachlorobiphenyl	23	JqB	0.11	200	pg/g	J	k,sp	EMPC; < PQL		
4402208432	RISB-EJ-03-1.0-20180925	9/25/2018	E1668A	52663-69-1	PCB-183 (2,2',3,4,4',5',6-HpCB)	5.6	J	0.70	20	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925	9/25/2018	E1668A	25323-68-6	Trichlorobiphenyl (total)	14	JqB	0.090	200	pg/g	J	k,sp	EMPC; < PQL		
4402208432	RISB-EJ-03-1.0-20180925	9/25/2018	E1668A	16606-02-3	PCB-031 (2,4',5-TrCB)	2.1	JB	0.091	20	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925	9/25/2018	E1668A	PCB110+115	PCBs 110 + 115	8.1	JB	0.42	41	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925	9/25/2018	E1668A	PCB107+124	PCBs 107 + 124	1.1	Jq	0.43	41	pg/g	J	k,sp	EMPC; < PQL		
4402208432	RISB-EJ-03-1.0-20180925	9/25/2018	E1668A	PCB40+71	PCBs 40 + 71	0.94	J	0.093	41	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925	9/25/2018	E1668A	PCB128+166	PCBs 128 + 166	3.3	J	0.36	41	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925	9/25/2018	E1668A	PCB20+28	PCBs 20 + 28	1.3	JB	0.098	41	pg/g	J	bl,sp	MB contamination; < PQL	0.299	1.495 pg/g
4402208432	RISB-EJ-03-1.0-20180925	9/25/2018	E1668A	41411-64-7	PCB-190 (2,3,3',4,4',5,6-HpCB)	2.0	Jq	0.56	20	pg/g	J	k,sp	EMPC; < PQL		
4402208432	RISB-EJ-03-1.0-20180925	9/25/2018	E1668A	74472-53-0	PCB-205 (2,3,3',4,4',5,5',6-OcCB)	6.4	J	0.088	20	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925	9/25/2018	E1668A	40186-72-9	PCB-206 (2,2',3,3',4,4',5,5',6-NoCB)	64		0.38	20	pg/g	J	fd	FD RPD	61	50 %
4402208432	RISB-EJ-03-1.0-20180925	9/25/2018	E1668A	74472-51-8	PCB-192 (2,3,3',4,5,5',6-HpCB)	2.8	J	0.63	20	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925	9/25/2018	E1668A	74472-50-7	PCB-191 (2,3,3',4,4',5,6-HpCB)	1.4	Jq	0.60	20	pg/g	J	k,sp	EMPC; < PQL		
4402208432	RISB-EJ-03-1.0-20180925	9/25/2018	E1668A	52663-72-6	PCB-167 (2,3',4,4',5,5'-HxCB)	2.8		0.25	2.0	pg/g	J	fd	FD RPD	85	50 %
4402208432	RISB-EJ-03-1.0-20180925	9/25/2018	E1668A	42740-50-1	PCB-196 (2,2',3,3',4,4',5,6'-OcCB)	13	J	0.13	20	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925	9/25/2018	E1668A	31508-00-6	PCB-118 (2,3',4,4',5-PeCB)	10	B	0.48	2.0	pg/g	J	fd	FD RPD	132	50 %
4402208432	RISB-EJ-03-1.0-20180925	9/25/2018	E1668A	25512-42-9	Dichlorobiphenyl (total)	11	Jq	0.64	200	pg/g	J	k,sp	EMPC; < PQL		
4402208432	RISB-EJ-03-1.0-20180925	9/25/2018	E1668A	2051-24-3	PCB-209 (DeCB)	720	B	0.089	20	pg/g	J	fd	FD RPD	57	50 %
4402208432	RISB-EJ-03-1.0-20180925	9/25/2018	E1668A	74472-34-7	PCB-063 (2,3,4',5-TeCB)	0.38	J	0.10	20	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925	9/25/2018	E1668A	35694-04-3	PCB-133 (2,2',3,3',5,5'-HxCB)	1.1	Jq	0.45	20	pg/g	J	k,sp	EMPC; < PQL		
4402208432	RISB-EJ-03-1.0-20180925	9/25/2018	E1668A	PCB21+33	PCBs 21 + 33	0.60	JqB	0.094	41	pg/g	J	bl,k,sp	MB contamination; EMPC; < PQL	0.202	1.01 pg/g
4402208432	RISB-EJ-03-1.0-20180925	9/25/2018	E1668A	74472-43-8	PCB-161 (2,3,3',4,5,6-HxCB)	0.80	J	0.32	20	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925	9/25/2018	E1668A	74472-37-0	PCB-114 (2,3,4,4',5-PeCB)	1.1	Jq	0.50	2.0	pg/g	J	k,sp	EMPC; < PQL		
4402208432	RISB-EJ-03-1.0-20180925	9/25/2018	E1668A	74472-35-8	PCB-109 (2,3,3',4,6-PeCB)	1.3	Jq	0.42	20	pg/g	J	k,sp	EMPC; < PQL		
4402208432	RISB-EJ-03-1.0-20180925	9/25/2018	E1668A	55712-37-3	PCB-025 (2,3',4-TrCB)	0.19	J	0.094	20	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925	9/25/2018	E1668A	70424-69-0	PCB-106 (2,3,3',4,5-PeCB)	1.6	J	0.44	20	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925	9/25/2018	E1668A	74472-49-4	PCB-186 (2,2',3,4,5,6,6'-HpCB)	0.38	Jq	0.030	20	pg/g	J	k,sp	EMPC; < PQL		
4402208432	RISB-EJ-03-1.0-20180925	9/25/2018	E1668A	35693-99-3	PCB-052 (2,2',5,5'-TeCB)	1.8	JB	0.10	20	pg/g	J	bl,sp	MB contamination; < PQL	0.647	3.235 pg/g
4402208432	RISB-EJ-03-1.0-20180925	9/25/2018	E1668A	PCB86-125	PCBs 86 + 87 + 97 + 108 + 119 + 125	5.8	J	0.46	120	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925	9/25/2018	E1668A	38444-88-1	PCB-039 (3,4',5-TrCB)	0.63	J	0.097	20	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925	9/25/2018	E1668A	41464-43-1	PCB-056 (2,3,3',4'-TeCB)	1.2	J	0.13	20	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925	9/25/2018	E1668A	41411-62-5	PCB-160 (2,3,3',4,5,6-HxCB)	1.1	J	0.31	20	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925	9/25/2018	E1668A	25429-29-2	PENTACHLOROBIPHENYL	54	JqB	0.47	200	pg/g	J	k,sp	EMPC; < PQL		
4402208432	RISB-EJ-03-1.0-20180925	9/25/2018	E1668A	33025-41-1	PCB-060 (2,3,4,4'-TeCB)	0.87	Jq	0.12	20	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925	9/25/2018	E1668A	73575-53-8	PCB-067 (2,3',4,5-TeCB)	0.31	J	0.11	20	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925	9/25/2018	E1668A	36559-22-5	PCB-042 (2,2',3,4'-TeCB)	0.30	Jq	0.11	20	pg/g	J	k,sp	EMPC; < PQL		
4402208432	RISB-EJ-03-1.0-20180925	9/25/2018	E1668A	38444-90-5	PCB-037 (3,4,4'-TrCB)	2.4	J	0.13	20	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925	9/25/2018	E1668A	PCB147+149	PCBs 147 + 149	7.1	J	0.41	41	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925	9/25/2018	E1668A	28655-71-2	Heptachlorobiphenyl	82	JqB	0.42	200	pg/g	J	k,sp	EMPC; < PQL		
4402208432	RISB-EJ-03-1.0-20180925	9/25/2018	E1668A	70362-50-4	PCB-081 (3,4,4',5-TeCB)	0.75	Jq	0.18	2.0	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925	9/25/2018	E1668A	52663-62-4	PCB-082 (2,2',3,3',4-PeCB)	1.1	Jq	0.71	20	pg/g	J	k,sp	EMPC; < PQL		
4402208432	RISB-EJ-03-1.0-20180925	9/25/2018	E1668A	52663-65-7	PCB-176 (2,2',3,3',4,6,6'-HpCB)	2.4	J	0.028	20	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925	9/25/2018	E1668A	52663-78-2	PCB-195 (2,2',3,3',4,4',5,6-OcCB)	3.4	J	0.12	20	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925	9/25/2018	E1668A	PCB18+30	PCBs 18 + 30	1.5	JB	0.064	41	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925	9/25/2018	E1668A	2051-60-7	PCB-001 (2-CB)	1.2	Jq	0.17	20	pg/g	J	k,sp	EMPC; < PQL		
4402208432	RISB-EJ-03-1.0-20180925	9/25/2018	E1668A	PCB85+116+117	PCBs 85 + 116 + 117	3.0	J	0.46	61	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925	9/25/2018	E1668A	38444-87-0	PCB-036 (3,3',5-TrCB)	0.29	Jq	0.095	20	pg/g	J	k,sp	EMPC; < PQL		
4402208432	RISB-EJ-03-1.0-20180925	9/25/2018	E1668A	74487-85-7	PCB-188 (2,2',3,4',5,6,6'-HpCB)	2.5	J	0.040	20	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925	9/25/2018	E1668A	74472-41-6	PCB-148 (2,2',3,4',5,6'-HxCB)	0.80	Jq	0.42	20	pg/g	J	k,sp	EMPC; < PQL		
4402208432	RISB-EJ-03-1.0-20180925	9/25/2018	E1668A	PCB139+140	PCBs 139 + 140	1.1	J	0.40	41	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925	9/25/2018	E1668A	PCB180+193	PCBs 180 + 193	15	JB	0.67	41	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925	9/25/2018	E1668A	PCB49+69	PCBs 49 + 69	0.79	J	0.081	41	pg/g	J	sp	< PQL		

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte ¹	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator ²	Qualification Finding	Acceptance Criteria
4402208432	RISB-EJ-03-1.0-20180925	9/25/2018	E1668A	70362-49-1	PCB-078 (3,3',4,5-TeCB)	0.37	Jq	0.14	20	pg/g	J	k,sp	EMPC; < PQL		
4402208432	RISB-EJ-03-1.0-20180925	9/25/2018	E1668A	2051-61-8	PCB-002 (3-CB)	0.81	J	0.12	20	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925	9/25/2018	E1668A	52663-68-0	PCB-187 (2,2',3,4',5,5',6-HpCB)	7.0	J	0.038	20	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925	9/25/2018	E1668A	PCB129+138+163	PCBs 129 + 138 + 163	13	JB	0.39	61	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925	9/25/2018	E1668A	74472-52-9	PCB-204 (2,2',3,4,4',5,6,6'-OoCB)	6.1	J	0.099	20	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925	9/25/2018	E1668A	74472-48-3	PCB-184 (2,2',3,4,4',6,6'-HpCB)	3.6	J	0.032	20	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925	9/25/2018	E1668A	74338-24-2	PCB-055 (2,3,3',4-TeCB)	0.19	J	0.12	20	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925	9/25/2018	E1668A	38444-77-8	PCB-032 (2,4',6-TrCB)	0.18	J	0.054	20	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925	9/25/2018	E1668A	73575-52-7	PCB-068 (2,3',4,5'-TeCB)	0.27	JqB	0.10	20	pg/g	J	bl,k,sp	MB contamination; EMPC; < PQL	0.131	0.655 pg/g
4402208432	RISB-EJ-03-1.0-20180925	9/25/2018	E1668A	PCB44+47+65	PCBs 44 + 47 + 65	1.6	JB	0.092	61	pg/g	J	bl,sp	MB contamination; < PQL	0.847	4.235 pg/g
4402208432	RISB-EJ-03-1.0-20180925	9/25/2018	E1668A	52663-58-8	PCB-064 (2,3,4',6-TeCB)	0.68	J	0.069	20	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925	9/25/2018	E1668A	68194-14-9	PCB-144 (2,2',3,4,5',6-HxCB)	1.2	J	0.41	20	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925	9/25/2018	E1668A	38444-78-9	PCB-016 (2,2',3-TrCB)	1.5	J	0.098	20	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925	9/25/2018	E1668A	39635-34-2	PCB-162 (2,3,3',4',5,5'-HxCB)	1.4	J	0.23	20	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925	9/25/2018	E1668A	38444-73-4	PCB-019 (2,2',6-TrCB)	0.38	Jq	0.089	20	pg/g	J	k,sp	EMPC; < PQL		
4402208432	RISB-EJ-03-1.0-20180925	9/25/2018	E1668A	32598-13-3	PCB-077 (3,3',4,4'-TeCB)	2.0	J	0.16	2.0	pg/g	J	fd	FD RPD	60	50 %
4402208432	RISB-EJ-03-1.0-20180925	9/25/2018	E1668A	2136-99-4	PCB-202 (2,2',3,3',5,5',6,6'-OoCB)	6.8	JB	0.13	20	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925	9/25/2018	E1668A	68194-08-1	PCB-150 (2,2',3,4',6,6'-HxCB)	0.40	Jq	0.28	20	pg/g	J	k,sp	EMPC; < PQL		
4402208432	RISB-EJ-03-1.0-20180925	9/25/2018	E1668A	74472-42-7	PCB-158 (2,3,3',4,4',6-HxCB)	2.4	J	0.30	20	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925	9/25/2018	E1668A	26601-64-9	Hexachlorobiphenyl	74	JqB	0.36	200	pg/g	J	k,sp	EMPC; < PQL		
4402208432	RISB-EJ-03-1.0-20180925	9/25/2018	E1668A	52663-77-1	PCB-208 (2,2',3,3',4,5,5',6,6'-NoCB)	64	J	0.31	20	pg/g	J	fd	FD RPD	61	50 %
4402208432	RISB-EJ-03-1.0-20180925	9/25/2018	E1668A	52663-76-0	PCB-203 (2,2',3,4,4',5,5',6-OoCB)	7.0	J	0.12	20	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925	9/25/2018	E1668A	39635-35-3	PCB-159 (2,3,3',4,5,5'-HxCB)	1.5	J	0.24	20	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925	9/25/2018	E1668A	52663-67-9	PCB-178 (2,2',3,3',5,5',6-HpCB)	2.9	J	0.042	20	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925	9/25/2018	E1668A	15968-05-5	PCB-054 (2,2',6,6'-TeCB)	0.29	J	0.062	20	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925	9/25/2018	E1668A	52663-70-4	PCB-177 (2,2',3,3',4,5,6'-HpCB)	2.7	Jq	0.86	20	pg/g	J	k,sp	EMPC; < PQL		
4402208432	RISB-EJ-03-1.0-20180925	9/25/2018	E1668A	2050-68-2	PCB-015 (4,4'-DiCB)	4.5	J	0.79	20	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925	9/25/2018	E1668A	32774-16-6	PCB-169 (3,3',4,4',5,5'-HxCB)	0.61	J	0.26	2.0	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925	9/25/2018	E1668A	37680-69-6	PCB-035 (3,3',4-TrCB)	0.60	J	0.11	20	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925	9/25/2018	E1668A	38411-22-2	PCB-136 (2,2',3,3',6,6'-HxCB)	0.80	Jq	0.31	20	pg/g	J	k,sp	EMPC; < PQL		
4402208432	RISB-EJ-03-1.0-20180925	9/25/2018	E1668A	35694-06-5	PCB-137 (2,2',3,4,4',5-HxCB)	0.69	J	0.37	20	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925	9/25/2018	E1668A	33091-17-7	PCB-197 (2,2',3,3',4,4',6,6'-OoCB)	11	J	0.086	20	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925	9/25/2018	E1668A	52663-59-9	PCB-041 (2,2',3,4-TeCB)	0.17	J	0.13	20	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925	9/25/2018	E1668A	51908-16-8	PCB-146 (2,2',3,4',5,5'-HxCB)	4.1	J	0.39	20	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925	9/25/2018	E1668A	41464-42-0	PCB-072 (2,3',5,5'-TeCB)	0.29	J	0.11	20	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925	9/25/2018	E1668A	40186-71-8	PCB-201 (2,2',3,3',4,5,6,6'-OoCB)	12	J	0.096	20	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925	9/25/2018	E1668A	65510-44-3	PCB-123 (2,3',4,4',5'-PeCB)	0.58	Jq	0.51	2.0	pg/g	J	k,sp	EMPC; < PQL		
4402208432	RISB-EJ-03-1.0-20180925-FD	9/25/2018	E1668A	70424-67-8	PCB-057 (2,3,3',5-TeCB)	0.41	J	0.21	20	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925-FD	9/25/2018	E1668A	37680-69-6	PCB-035 (3,3',4-TrCB)	2.0	J	0.31	20	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925-FD	9/25/2018	E1668A	38411-22-2	PCB-136 (2,2',3,3',6,6'-HxCB)	5.6	J	1.1	20	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925-FD	9/25/2018	E1668A	35694-06-5	PCB-137 (2,2',3,4,4',5-HxCB)	5.4	J	1.3	20	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925-FD	9/25/2018	E1668A	32774-16-6	PCB-169 (3,3',4,4',5,5'-HxCB)	0.94	J	0.48	2.0	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925-FD	9/25/2018	E1668A	26601-64-9	Hexachlorobiphenyl	270	qB	1.2	200	pg/g	J	k	EMPC		
4402208432	RISB-EJ-03-1.0-20180925-FD	9/25/2018	E1668A	52663-70-4	PCB-177 (2,2',3,3',4,5,6'-HpCB)	7.2	J	1.8	20	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925-FD	9/25/2018	E1668A	52663-67-9	PCB-178 (2,2',3,3',5,5',6-HpCB)	5.6	J	0.044	20	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925-FD	9/25/2018	E1668A	52663-77-1	PCB-208 (2,2',3,3',4,5,5',6,6'-NoCB)	120	J	0.46	20	pg/g	J	fd	FD RPD	61	50 %
4402208432	RISB-EJ-03-1.0-20180925-FD	9/25/2018	E1668A	52704-70-8M	PCB-134/143	3.9	J	1.6	40	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925-FD	9/25/2018	E1668A	55702-45-9	PCB-024 (2,3,6-TrCB)	0.35	J	0.069	20	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925-FD	9/25/2018	E1668A	74472-42-7	PCB-158 (2,3,3',4,4',6-HxCB)	8.5	J	1.0	20	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925-FD	9/25/2018	E1668A	73575-53-8	PCB-067 (2,3',4,5-TeCB)	0.57	J	0.19	20	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925-FD	9/25/2018	E1668A	74472-49-4	PCB-186 (2,2',3,4,5,6,6'-HpCB)	0.86	J	0.031	20	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925-FD	9/25/2018	E1668A	74472-48-3	PCB-184 (2,2',3,4,4',6,6'-HpCB)	6.4	J	0.033	20	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925-FD	9/25/2018	E1668A	52663-68-0	PCB-187 (2,2',3,4',5,5',6-HpCB)	15	J	0.039	20	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925-FD	9/25/2018	E1668A	PCB86-125	PCBs 86 + 87 + 97 + 108 + 119 + 125	37	J	1.3	120	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925-FD	9/25/2018	E1668A	52663-58-8	PCB-064 (2,3,4',6-TeCB)	2.7	J	0.13	20	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925-FD	9/25/2018	E1668A	PCB129+138+163	PCBs 129 + 138 + 163	59	JB	1.3	60	pg/g	J	sp	< PQL		

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte ¹	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator ²	Qualification Finding	Acceptance Criteria
4402208432	RISB-EJ-03-1.0-20180925-FD	9/25/2018	E1668A	60145-20-2	PCB-083 (2,2',3,3',5'-PeCB)	3.7	J	2.0	20	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925-FD	9/25/2018	E1668A	73575-52-7	PCB-068 (2,3',4,5'-TeCB)	0.68	JB	0.18	20	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925-FD	9/25/2018	E1668A	52663-76-0	PCB-203 (2,2',3,4,4',5,5',6-OcCB)	14	J	0.19	20	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925-FD	9/25/2018	E1668A	74338-24-2	PCB-055 (2,3,3',4'-TeCB)	0.40	J	0.22	20	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925-FD	9/25/2018	E1668A	41464-42-0	PCB-072 (2,3',5,5'-TeCB)	0.82	J	0.19	20	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925-FD	9/25/2018	E1668A	74472-52-9	PCB-204 (2,2',3,4,4',5,6,6'-OcCB)	12	J	0.15	20	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925-FD	9/25/2018	E1668A	PCB153+168	PCBs 153 + 168	38	J	1.1	40	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925-FD	9/25/2018	E1668A	PCB147+149	PCBs 147 + 149	36	J	1.4	40	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925-FD	9/25/2018	E1668A	PCB26+29	PCBs 26 + 29	2.2	J	0.26	40	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925-FD	9/25/2018	E1668A	PCB88+91	PCB-88/91	5.1	J	1.4	40	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925-FD	9/25/2018	E1668A	39635-35-3	PCB-159 (2,3,3',4,5,5'-HxCB)	3.0	J	0.46	20	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925-FD	9/25/2018	E1668A	51908-16-8	PCB-146 (2,2',3,4',5,5'-HxCB)	11	J	1.3	20	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925-FD	9/25/2018	E1668A	68194-14-9	PCB-144 (2,2',3,4,5',6-HxCB)	3.3	J	1.4	20	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925-FD	9/25/2018	E1668A	38444-90-5	PCB-037 (3,4,4'-TrCB)	10	J	0.38	20	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925-FD	9/25/2018	E1668A	PCB18+30	PCBs 18 + 30	3.7	JB	0.075	40	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925-FD	9/25/2018	E1668A	PCB180+193	PCBs 180 + 193	33	JB	1.4	40	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925-FD	9/25/2018	E1668A	16605-91-7	PCB-005 (2,3-DiCB)	5.7	Jq	0.71	20	pg/g	J	k,sp	EMPC; < PQL		
4402208432	RISB-EJ-03-1.0-20180925-FD	9/25/2018	E1668A	73575-54-9	PCB-096 (2,2',3,6,6'-PeCB)	0.42	J	0.13	20	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925-FD	9/25/2018	E1668A	74487-85-7	PCB-188 (2,2',3,4',5,6,6'-HpCB)	4.4	J	0.044	20	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925-FD	9/25/2018	E1668A	PCB85+116+117	PCBs 85 + 116 + 117	11	J	1.3	60	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925-FD	9/25/2018	E1668A	38444-87-0	PCB-036 (3,3',5'-TrCB)	0.55	Jq	0.27	20	pg/g	J	k,sp	EMPC; < PQL		
4402208432	RISB-EJ-03-1.0-20180925-FD	9/25/2018	E1668A	PCB49+69	PCBs 49 + 69	4.4	J	0.16	40	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925-FD	9/25/2018	E1668A	52663-78-2	PCB-195 (2,2',3,3',4,4',5,6-OcCB)	7.1	J	0.22	20	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925-FD	9/25/2018	E1668A	52663-62-4	PCB-082 (2,2',3,3',4'-PeCB)	7.1	J	2.0	20	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925-FD	9/25/2018	E1668A	52663-65-7	PCB-176 (2,2',3,3',4,6,6'-HpCB)	4.4	J	0.030	20	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925-FD	9/25/2018	E1668A	70362-49-1	PCB-078 (3,3',4,5'-TeCB)	0.79	J	0.25	20	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925-FD	9/25/2018	E1668A	38444-78-9	PCB-016 (2,2',3'-TrCB)	2.1	J	0.12	20	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925-FD	9/25/2018	E1668A	PCB128+166	PCBs 128 + 166	12	J	1.2	40	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925-FD	9/25/2018	E1668A	32598-14-4	PCB-105 (2,3,3',4,4'-PeCB)	19	q	1.4	2.0	pg/g	J	k	EMPC		
4402208432	RISB-EJ-03-1.0-20180925-FD	9/25/2018	E1668A	36559-22-5	PCB-042 (2,2',3,4'-TeCB)	1.1	J	0.21	20	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925-FD	9/25/2018	E1668A	34883-39-1	PCB-009 (2,5-DiCB)	14	J	0.75	20	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925-FD	9/25/2018	E1668A	33025-41-1	PCB-060 (2,3,4,4'-TeCB)	2.3	J	0.22	20	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925-FD	9/25/2018	E1668A	25429-29-2	PENTACHLOROBIPHENYL	340	qB	1.3	200	pg/g	J	k	EMPC		
4402208432	RISB-EJ-03-1.0-20180925-FD	9/25/2018	E1668A	41411-62-5	PCB-160 (2,3,3',4,5,6-HxCB)	2.2	J	1.0	20	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925-FD	9/25/2018	E1668A	41464-43-1	PCB-056 (2,3,3',4'-TeCB)	3.4	J	0.23	20	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925-FD	9/25/2018	E1668A	PCB139+140	PCBs 139 + 140	2.4	J	1.3	40	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925-FD	9/25/2018	E1668A	35694-04-3	PCB-133 (2,2',3,3',5,5'-HxCB)	1.9	J	1.5	20	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925-FD	9/25/2018	E1668A	PCB44+47+65	PCBs 44 + 47 + 65	9.0	JB	0.18	60	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925-FD	9/25/2018	E1668A	70424-69-0	PCB-106 (2,3,3',4,5'-PeCB)	3.1	J	1.2	20	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925-FD	9/25/2018	E1668A	52663-60-2	PCB-084 (2,2',3,3',6'-PeCB)	13	J	1.7	20	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925-FD	9/25/2018	E1668A	55712-37-3	PCB-025 (2,3',4'-TrCB)	0.66	J	0.26	20	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925-FD	9/25/2018	E1668A	74472-35-8	PCB-109 (2,3,3',4,6'-PeCB)	5.5	J	1.2	20	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925-FD	9/25/2018	E1668A	74472-43-8	PCB-161 (2,3,3',4,5',6-HxCB)	1.2	Jq	1.1	20	pg/g	J	k,sp	EMPC; < PQL		
4402208432	RISB-EJ-03-1.0-20180925-FD	9/25/2018	E1668A	PCB21+33	PCBs 21 + 33	4.7	JB	0.26	40	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925-FD	9/25/2018	E1668A	38444-88-1	PCB-039 (3,4',5'-TrCB)	0.84	Jq	0.27	20	pg/g	J	k,sp	EMPC; < PQL		
4402208432	RISB-EJ-03-1.0-20180925-FD	9/25/2018	E1668A	PCB50+53	PCBs 50 + 53	0.65	J	0.17	40	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925-FD	9/25/2018	E1668A	2051-24-3	PCB-209 (DeCB)	1300	B	0.11	20	pg/g	J	fd	FD RPD	57	50 %
4402208432	RISB-EJ-03-1.0-20180925-FD	9/25/2018	E1668A	52663-72-6	PCB-167 (2,3',4,4',5,5'-HxCB)	6.9	J	0.46	2.0	pg/g	J	fd	FD RPD	85	50 %
4402208432	RISB-EJ-03-1.0-20180925-FD	9/25/2018	E1668A	74472-50-7	PCB-191 (2,3,3',4,4',5,6-HpCB)	3.4	J	1.3	20	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925-FD	9/25/2018	E1668A	74472-51-8	PCB-192 (2,3,3',4,5,5',6-HpCB)	2.5	J	1.3	20	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925-FD	9/25/2018	E1668A	25323-68-6	Trichlorobiphenyl (total)	49	JqB	0.21	200	pg/g	J	k,sp	EMPC; < PQL		
4402208432	RISB-EJ-03-1.0-20180925-FD	9/25/2018	E1668A	31508-00-6	PCB-118 (2,3',4,4',5'-PeCB)	49	B	1.4	2.0	pg/g	J	fd	FD RPD	132	50 %
4402208432	RISB-EJ-03-1.0-20180925-FD	9/25/2018	E1668A	PCB135+151	PCBs 135 + 151	15	J	1.5	40	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925-FD	9/25/2018	E1668A	2974-92-7M	PCB-12/13	37	J	0.76	40	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925-FD	9/25/2018	E1668A	PCB171+173	PCBs 171 + 173	12	J	1.8	40	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925-FD	9/25/2018	E1668A	74472-53-0	PCB-205 (2,3,3',4,4',5,5',6-OcCB)	11	J	0.15	20	pg/g	J	sp	< PQL		

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte ¹	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator ²	Qualification Finding	Acceptance Criteria
4402208432	RISB-EJ-03-1.0-20180925-FD	9/25/2018	E1668A	74472-34-7	PCB-063 (2,3,4',5-TeCB)	0.34	Jq	0.19	20	pg/g	J	k,sp	EMPC; < PQL		
4402208432	RISB-EJ-03-1.0-20180925-FD	9/25/2018	E1668A	PCB20+28	PCBs 20 + 28	5.8	JB	0.28	40	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925-FD	9/25/2018	E1668A	PCB40+71	PCBs 40 + 71	2.3	J	0.18	40	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925-FD	9/25/2018	E1668A	16606-02-3	PCB-031 (2,4',5-TrCB)	8.5	JB	0.26	20	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925-FD	9/25/2018	E1668A	25512-42-9	Dichlorobiphenyl (total)	210	q	0.70	200	pg/g	J	k	EMPC		
4402208432	RISB-EJ-03-1.0-20180925-FD	9/25/2018	E1668A	74472-45-0	PCB-164 (2,3,3',4',5',6-HxCB)	4.8	J	1.1	20	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925-FD	9/25/2018	E1668A	70362-50-4	PCB-081 (3,4,4',5-TeCB)	1.7	J	0.31	2.0	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925-FD	9/25/2018	E1668A	41464-48-6	PCB-079 (3,3',4,5'-TeCB)	2.3	J	0.22	20	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925-FD	9/25/2018	E1668A	38380-05-1	PCB-132 (2,2',3,3',4,6'-HxCB)	18	J	1.5	20	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925-FD	9/25/2018	E1668A	52663-79-3	PCB-207 (2,2',3,3',4,4',5,6,6'-NoCB)	160	B	0.36	20	pg/g	J	fd	FD RPD	59	50 %
4402208432	RISB-EJ-03-1.0-20180925-FD	9/25/2018	E1668A	52663-69-1	PCB-183 (2,2',3,4,4',5',6-HpCB)	13	J	1.5	20	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925-FD	9/25/2018	E1668A	52663-61-3	PCB-092 (2,2',3,5,5'-PeCB)	9.3	J	1.6	20	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925-FD	9/25/2018	E1668A	70362-47-9	PCB-048 (2,2',4,5-TeCB)	0.77	J	0.19	20	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925-FD	9/25/2018	E1668A	35065-30-6	PCB-170 (2,2',3,3',4,4',5-HpCB)	13	J	1.8	20	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925-FD	9/25/2018	E1668A	PCB59+62+75	PCBs 59 + 62 + 75	1.0	Jq	0.14	60	pg/g	J	k,sp	EMPC; < PQL		
4402208432	RISB-EJ-03-1.0-20180925-FD	9/25/2018	E1668A	PCB198+199	PCBs 198 + 199	34	J	0.21	40	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925-FD	9/25/2018	E1668A	41411-64-7	PCB-190 (2,3,3',4,4',5,6-HpCB)	4.4	J	1.2	20	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925-FD	9/25/2018	E1668A	40186-72-9	PCB-206 (2,2',3,3',4,4',5,5',6-NoCB)	120		0.52	20	pg/g	J	fd	FD RPD	61	50 %
4402208432	RISB-EJ-03-1.0-20180925-FD	9/25/2018	E1668A	38444-76-7	PCB-027 (2,3',6-TrCB)	0.19	Jq	0.068	20	pg/g	J	k,sp	EMPC; < PQL		
4402208432	RISB-EJ-03-1.0-20180925-FD	9/25/2018	E1668A	38411-25-5	PCB-174 (2,2',3,3',4,4',5-HpCB)	12	J	1.9	20	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925-FD	9/25/2018	E1668A	2050-67-1	PCB-011 (3,3'-DiCB)	7.7	J	0.75	20	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925-FD	9/25/2018	E1668A	26914-33-0	Tetrachlorobiphenyl	88	JqB	0.20	200	pg/g	J	k,sp	EMPC; < PQL		
4402208432	RISB-EJ-03-1.0-20180925-FD	9/25/2018	E1668A	PCB107+124	PCBs 107 + 124	2.9	Jq	1.2	40	pg/g	J	k,sp	EMPC; < PQL		
4402208432	RISB-EJ-03-1.0-20180925-FD	9/25/2018	E1668A	60145-23-5	PCB-182 (2,2',3,4,4',5,6'-HpCB)	4.1	J	0.039	20	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925-FD	9/25/2018	E1668A	70362-45-7	PCB-045 (2,2',3,6-TeCB)	0.45	J	0.21	20	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925-FD	9/25/2018	E1668A	68194-12-7	PCB-120 (2,3',4,5,5'-PeCB)	2.4	J	1.2	20	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925-FD	9/25/2018	E1668A	PCB61+70+74+76	PCBs 61 + 70 + 74 + 76	18	JB	0.20	81	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925-FD	9/25/2018	E1668A	33284-52-5	PCB-080 (3,3',5,5'-TeCB)	0.82	J	0.19	20	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925-FD	9/25/2018	E1668A	33284-50-3	PCB-007 (2,4-DiCB)	3.0	J	0.69	20	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925-FD	9/25/2018	E1668A	32598-10-0	PCB-066 (2,3',4,4'-TeCB)	7.4	JB	0.22	20	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925-FD	9/25/2018	E1668A	28655-71-2	Heptachlorobiphenyl	170	JqB	0.88	200	pg/g	J	k,sp	EMPC; < PQL		
4402208432	RISB-EJ-03-1.0-20180925-FD	9/25/2018	E1668A	33146-45-1	PCB-010 (2,6-DiCB)	0.84	J	0.38	20	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925-FD	9/25/2018	E1668A	32598-13-3	PCB-077 (3,3',4,4'-TeCB)	3.7	J	0.29	2.0	pg/g	J	fd	FD RPD	60	50 %
4402208432	RISB-EJ-03-1.0-20180925-FD	9/25/2018	E1668A	2136-99-4	PCB-202 (2,2',3,3',5,5',6,6'-OxCB)	13	JB	0.21	20	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925-FD	9/25/2018	E1668A	38444-77-8	PCB-032 (2,4',6-TrCB)	0.74	J	0.063	20	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925-FD	9/25/2018	E1668A	38444-73-4	PCB-019 (2,2',6-TrCB)	0.40	J	0.10	20	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925-FD	9/25/2018	E1668A	PCB90+101+113	PCBs 90 + 101 + 113	48	J	1.3	60	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925-FD	9/25/2018	E1668A	74472-47-2	PCB-181 (2,2',3,4,4',5,6-HpCB)	1.9	Jq	1.6	20	pg/g	J	k,sp	EMPC; < PQL		
4402208432	RISB-EJ-03-1.0-20180925-FD	9/25/2018	E1668A	37680-66-3	PCB-017 (2,2',4-TrCB)	1.1	Jq	0.088	20	pg/g	J	k,sp	EMPC; < PQL		
4402208432	RISB-EJ-03-1.0-20180925-FD	9/25/2018	E1668A	38444-85-8	PCB-022 (2,3',4'-TrCB)	4.1	J	0.29	20	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925-FD	9/25/2018	E1668A	52663-66-8	PCB-130 (2,2',3,3',4,5'-HxCB)	5.5	Jq	1.7	20	pg/g	J	k,sp	EMPC; < PQL		
4402208432	RISB-EJ-03-1.0-20180925-FD	9/25/2018	E1668A	52663-64-6	PCB-179 (2,2',3,3',5,6,6'-HpCB)	4.8	J	0.032	20	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925-FD	9/25/2018	E1668A	52663-74-8	PCB-172 (2,2',3,3',4,5,5'-HpCB)	9.3	J	1.8	20	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925-FD	9/25/2018	E1668A	55722-26-4	Octachlorobiphenyl	190	JqB	0.18	200	pg/g	J	k,sp	EMPC; < PQL		
4402208432	RISB-EJ-03-1.0-20180925-FD	9/25/2018	E1668A	52712-04-6	PCB-141 (2,2',3,4,5,5'-HxCB)	12	J	1.5	20	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925-FD	9/25/2018	E1668A	39635-34-2	PCB-162 (2,3,3',4',5,5'-HxCB)	3.0	J	0.44	20	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925-FD	9/25/2018	E1668A	38380-01-7	PCB-099 (2,2',4,4',5-PeCB)	15	J	1.4	20	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925-FD	9/25/2018	E1668A	40186-70-7	PCB-175 (2,2',3,3',4,5',6-HpCB)	6.6	J	0.041	20	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925-FD	9/25/2018	E1668A	39635-31-9	PCB-189 (2,3,3',4,4',5,5'-HpCB)	7.3	B	0.088	2.0	pg/g	J	fd	FD RPD	65	50 %
4402208432	RISB-EJ-03-1.0-20180925-FD	9/25/2018	E1668A	53742-07-7	Nonachlorobiphenyl	410	B	0.45	200	pg/g	J	fd	FD RPD	61; 59	50 %
4402208432	RISB-EJ-03-1.0-20180925-FD	9/25/2018	E1668A	52712-05-7	PCB-185 (2,2',3,4,5,5',6-HpCB)	2.3	J	1.6	20	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925-FD	9/25/2018	E1668A	35694-08-7	PCB-194 (2,2',3,3',4,4',5,5'-OxCB)	17	JB	0.21	20	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-1.0-20180925-FD	9/25/2018	E1668A	52663-73-7	PCB-200 (2,2',3,3',4,5,6,6'-OxCB)	6.4	Jq	0.16	20	pg/g	J	k,sp	EMPC; < PQL		
4402208432	RISB-EJ-03-10.0-20180925	9/25/2018	E1668A	PCB110+115	PCBs 110 + 115	1.0	JB	0.21	43	pg/g	J	bl,sp	MB contamination; < PQL	1.02	5.1 pg/g
4402208432	RISB-EJ-03-10.0-20180925	9/25/2018	E1668A	32598-10-0	PCB-066 (2,3',4,4'-TeCB)	0.37	JB	0.093	22	pg/g	J	bl,sp	MB contamination; < PQL	0.318	1.59 pg/g
4402208432	RISB-EJ-03-10.0-20180925	9/25/2018	E1668A	35694-08-7	PCB-194 (2,2',3,3',4,4',5,5'-OxCB)	0.12	JqB	0.039	22	pg/g	J	bl,k,sp	MB contamination; EMPC; < PQL	0.0718	0.359 pg/g

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte ¹	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator ²	Qualification Finding	Acceptance Criteria
4402208432	RISB-EJ-03-10.0-20180925	9/25/2018	E1668A	53742-07-7	Nonachlorobiphenyl	0.51	JqB	0.086	220	pg/g	J	bl,k,sp	MB contamination; EMPC; < PQL	0.256	1.28 pg/g
4402208432	RISB-EJ-03-10.0-20180925	9/25/2018	E1668A	PCB61+70+74+76	PCBs 61 + 70 + 74 + 76	0.70	JB	0.087	87	pg/g	J	bl,sp	MB contamination; < PQL	0.571	2.855 pg/g
4402208432	RISB-EJ-03-10.0-20180925	9/25/2018	E1668A	38444-85-8	PCB-022 (2,3,4-TrCB)	0.13	Jq	0.10	22	pg/g	J	k,sp	EMPC; < PQL		
4402208432	RISB-EJ-03-10.0-20180925	9/25/2018	E1668A	38379-99-6	PCB-095 (2,2',3,5',6-PeCB)	0.48	Jq	0.26	22	pg/g	J	k,sp	EMPC; < PQL		
4402208432	RISB-EJ-03-10.0-20180925	9/25/2018	E1668A	55722-26-4	Octachlorobiphenyl	0.19	JqB	0.033	220	pg/g	J	bl,k,sp	MB contamination; EMPC; < PQL	0.113	0.565 pg/g
4402208432	RISB-EJ-03-10.0-20180925	9/25/2018	E1668A	16606-02-3	PCB-031 (2,4',5-TrCB)	0.36	JB	0.089	22	pg/g	J	bl,sp	MB contamination; < PQL	0.207	1.035 pg/g
4402208432	RISB-EJ-03-10.0-20180925	9/25/2018	E1668A	25512-42-9	Dichlorobiphenyl (total)	2.8	Jq	1.1	220	pg/g	J	k,sp	EMPC; < PQL		
4402208432	RISB-EJ-03-10.0-20180925	9/25/2018	E1668A	PCB40+71	PCBs 40 + 71	0.22	J	0.083	43	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-10.0-20180925	9/25/2018	E1668A	PCB20+28	PCBs 20 + 28	0.45	JB	0.096	43	pg/g	J	bl,sp	MB contamination; < PQL	0.299	1.495 pg/g
4402208432	RISB-EJ-03-10.0-20180925	9/25/2018	E1668A	25323-68-6	Trichlorobiphenyl (total)	1.5	JqB	0.10	220	pg/g	J	bl,k,sp	MB contamination; EMPC; < PQL	0.893	4.465 pg/g
4402208432	RISB-EJ-03-10.0-20180925	9/25/2018	E1668A	52663-69-1	PCB-183 (2,2',3,4,4',5',6-HpCB)	0.13	Jq	0.049	22	pg/g	J	k,sp	EMPC; < PQL		
4402208432	RISB-EJ-03-10.0-20180925	9/25/2018	E1668A	52663-79-3	PCB-207 (2,2',3,3',4,4',5,6,6'-NoCB)	0.28	JqB	0.069	22	pg/g	J	bl,k,sp	MB contamination; EMPC; < PQL	0.256	1.28 pg/g
4402208432	RISB-EJ-03-10.0-20180925	9/25/2018	E1668A	PCB180+193	PCBs 180 + 193	0.28	JqB	0.046	43	pg/g	J	bl,k,sp	MB contamination; EMPC; < PQL	0.251	1.255 pg/g
4402208432	RISB-EJ-03-10.0-20180925	9/25/2018	E1668A	2051-24-3	PCB-209 (DeCB)	1.8	JB	0.013	22	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-10.0-20180925	9/25/2018	E1668A	PCB18+30	PCBs 18 + 30	0.33	JB	0.10	43	pg/g	J	bl,sp	MB contamination; < PQL	0.185	0.925 pg/g
4402208432	RISB-EJ-03-10.0-20180925	9/25/2018	E1668A	2050-67-1	PCB-011 (3,3'-DiCB)	2.8	Jq	1.1	22	pg/g	J	k,sp	EMPC; < PQL		
4402208432	RISB-EJ-03-10.0-20180925	9/25/2018	E1668A	PCB147+149	PCBs 147 + 149	0.39	Jq	0.14	43	pg/g	J	k,sp	EMPC; < PQL		
4402208432	RISB-EJ-03-10.0-20180925	9/25/2018	E1668A	PCB49+69	PCBs 49 + 69	0.26	J	0.072	43	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-10.0-20180925	9/25/2018	E1668A	PCB21+33	PCBs 21 + 33	0.22	JqB	0.092	43	pg/g	J	bl,k,sp	MB contamination; EMPC; < PQL	0.202	1.01 pg/g
4402208432	RISB-EJ-03-10.0-20180925	9/25/2018	E1668A	25429-29-2	PENTACHLOROBIPHENYL	1.5	JqB	0.24	220	pg/g	J	bl,k,sp	MB contamination; EMPC; < PQL	1.96	9.8 pg/g
4402208432	RISB-EJ-03-10.0-20180925	9/25/2018	E1668A	41464-43-1	PCB-056 (2,3,3',4'-TeCB)	0.20	J	0.096	22	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-03-10.0-20180925	9/25/2018	E1668A	35693-99-3	PCB-052 (2,2',5,5'-TeCB)	0.50	JB	0.093	22	pg/g	J	bl,sp	MB contamination; < PQL	0.647	3.235 pg/g
4402208432	RISB-EJ-03-10.0-20180925	9/25/2018	E1668A	52663-77-1	PCB-208 (2,2',3,3',4,5,5',6,6'-NoCB)	0.23	Jq	0.083	22	pg/g	J	k,sp	EMPC; < PQL		
4402208432	RISB-EJ-03-10.0-20180925	9/25/2018	E1668A	52663-58-8	PCB-064 (2,3,4',6-TeCB)	0.15	Jq	0.061	22	pg/g	J	k,sp	EMPC; < PQL		
4402208432	RISB-EJ-03-10.0-20180925	9/25/2018	E1668A	26914-33-0	Tetrachlorobiphenyl	3.1	JqB	0.089	220	pg/g	J	bl,k,sp	MB contamination; EMPC; < PQL	2.51	12.55 pg/g
4402208432	RISB-EJ-03-10.0-20180925	9/25/2018	E1668A	26601-64-9	Hexachlorobiphenyl	1.5	JqB	0.12	220	pg/g	J	bl,k,sp	MB contamination; EMPC; < PQL	0.760	3.8 pg/g
4402208432	RISB-EJ-03-10.0-20180925	9/25/2018	E1668A	PCB153+168	PCBs 153 + 168	0.49	Jq	0.11	43	pg/g	J	k,sp	EMPC; < PQL		
4402208432	RISB-EJ-03-10.0-20180925	9/25/2018	E1668A	28655-71-2	Heptachlorobiphenyl	0.62	JqB	0.047	220	pg/g	J	bl,k,sp	MB contamination; EMPC; < PQL	0.327	1.635 pg/g
4402208432	RISB-EJ-03-10.0-20180925	9/25/2018	E1668A	52663-68-0	PCB-187 (2,2',3,4',5',6-HpCB)	0.19	Jq	0.045	22	pg/g	J	k,sp	EMPC; < PQL		
4402208432	RISB-EJ-03-10.0-20180925	9/25/2018	E1668A	PCB129+138+163	PCBs 129 + 138 + 163	0.65	JB	0.13	65	pg/g	J	bl,sp	MB contamination; < PQL	0.760	3.8 pg/g
4402208432	RISB-EJ-03-10.0-20180925	9/25/2018	E1668A	PCB44+47+65	PCBs 44 + 47 + 65	0.53	JB	0.082	65	pg/g	J	bl,sp	MB contamination; < PQL	0.847	4.235 pg/g
4402208432	RISB-EJ-03-10.0-20180925	9/25/2018	E1668A	40186-71-8	PCB-201 (2,2',3,3',4,5',6,6'-OoCB)	0.071	J	0.027	22	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-04-1.0-20180925	9/25/2018	E1668A	56558-16-8	PCB-104 (2,2',4,6,6'-PeCB)	1.1	J	0.14	21	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-04-1.0-20180925	9/25/2018	E1668A	2051-24-3	PCB-209 (DeCB)	8900	EB	0.56	21	pg/g	J	e	Exceeded calibration range		
4402208432	RISB-EJ-04-1.0-20180925	9/25/2018	E1668A	32598-10-0	PCB-066 (2,3',4,4'-TeCB)	19	JB	0.56	21	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-04-1.0-20180925	9/25/2018	E1668A	68194-12-7	PCB-120 (2,3',4,5,5'-PeCB)	9.2	J	2.2	21	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-04-1.0-20180925	9/25/2018	E1668A	70362-45-7	PCB-045 (2,2',3,6-TeCB)	0.83	J	0.43	21	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-04-1.0-20180925	9/25/2018	E1668A	74472-47-2	PCB-181 (2,2',3,4,4',5,6-HpCB)	15	J	7.8	21	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-04-1.0-20180925	9/25/2018	E1668A	60145-21-3	PCB-103 (2,2',4,5',6-PeCB)	3.1	J	2.5	21	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-04-1.0-20180925	9/25/2018	E1668A	PCB61+70+74+76	PCBs 61 + 70 + 74 + 76	40	JB	0.53	83	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-04-1.0-20180925	9/25/2018	E1668A	34883-41-5	PCB-014 (3,5-DiCB)	1.1	J	0.87	21	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-04-1.0-20180925	9/25/2018	E1668A	16606-02-3	PCB-031 (2,4',5-TrCB)	14	JB	0.37	21	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-04-1.0-20180925	9/25/2018	E1668A	25569-80-6	PCB-006 (2,3'-DiCB)	9.9	J	1.0	21	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-04-1.0-20180925	9/25/2018	E1668A	68194-14-9	PCB-144 (2,2',3,4,5',6-HxCB)	13	J	2.6	21	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-04-1.0-20180925	9/25/2018	E1668A	39635-32-0	PCB-111 (2,3,3',5,5'-PeCB)	9.9	J	2.2	21	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-04-1.0-20180925	9/25/2018	E1668A	PCB90+101+113	PCBs 90 + 101 + 113	55	J	2.5	63	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-04-1.0-20180925	9/25/2018	E1668A	33284-52-5	PCB-080 (3,3',5,5'-TeCB)	3.5	J	0.49	21	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-04-1.0-20180925	9/25/2018	E1668A	33979-03-2	PCB-155 (2,2',4,4',6,6'-HxCB)	5.2	J	1.7	21	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-04-1.0-20180925	9/25/2018	E1668A	52712-05-7	PCB-185 (2,2',3,4,5,5',6-HpCB)	18	J	7.9	21	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-04-1.0-20180925	9/25/2018	E1668A	38380-01-7	PCB-099 (2,2',4,4',5-PeCB)	20	J	2.5	21	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-04-1.0-20180925	9/25/2018	E1668A	2051-62-9	PCB-003 (4-CB)	11	J	0.24	21	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-04-1.0-20180925	9/25/2018	E1668A	PCB26+29	PCBs 26 + 29	4.0	J	0.38	42	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-04-1.0-20180925	9/25/2018	E1668A	PCB88+91	PCB-88/91	8.2	J	2.7	42	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-04-1.0-20180925	9/25/2018	E1668A	74338-24-2	PCB-055 (2,3,3',4-TeCB)	1.8	J	0.56	21	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-04-1.0-20180925	9/25/2018	E1668A	73575-52-7	PCB-068 (2,3',4,5'-TeCB)	3.3	JB	0.47	21	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-04-1.0-20180925	9/25/2018	E1668A	60145-20-2	PCB-083 (2,2',3,3',5-PeCB)	3.7	J	3.7	21	pg/g	J	sp	< PQL		

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte ¹	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator ²	Qualification Finding	Acceptance Criteria
4402208432	RISB-EJ-04-1.0-20180925	9/25/2018	E1668A	52663-58-8	PCB-064 (2,3,4',6-TeCB)	3.9	J	0.27	21	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-04-1.0-20180925	9/25/2018	E1668A	38444-85-8	PCB-022 (2,3,4'-TrCB)	4.8	J	0.43	21	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-04-1.0-20180925	9/25/2018	E1668A	PCB50+53	PCBs 50 + 53	1.2	J	0.35	42	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-04-1.0-20180925	9/25/2018	E1668A	74338-23-1	PCB-073 (2,3',5',6-TeCB)	0.56	J	0.28	21	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-04-1.0-20180925	9/25/2018	E1668A	74472-40-5	PCB-145 (2,2',3,4,6,6'-HxCB)	2.9	J	1.9	21	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-04-1.0-20180925	9/25/2018	E1668A	PCB59+62+75	PCBs 59 + 62 + 75	4.8	J	0.28	63	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-04-1.0-20180925	9/25/2018	E1668A	74472-36-9	PCB-112 (2,3,3',5,6-PeCB)	2.7	J	2.2	21	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-04-1.0-20180925	9/25/2018	E1668A	68194-09-2	PCB-152 (2,2',3,5,6,6'-HxCB)	2.0	J	1.8	21	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-04-1.0-20180925	9/25/2018	E1668A	70362-47-9	PCB-048 (2,2',4,5-TeCB)	2.0	J	0.39	21	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-04-1.0-20180925	9/25/2018	E1668A	2050-67-1	PCB-011 (3,3'-DiCB)	7.2	J	1.0	21	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-04-1.0-20180925	9/25/2018	E1668A	41464-48-6	PCB-079 (3,3',4,5'-TeCB)	8.2	J	0.56	21	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-04-1.0-20180925	9/25/2018	E1668A	39635-33-1	PCB-127 (3,3',4,5,5'-PeCB)	9.0	J	2.4	21	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-04-1.0-20180925	9/25/2018	E1668A	34883-43-7	PCB-008 (2,4'-DiCB)	16	J	1.0	21	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-04-1.0-20180925	9/25/2018	E1668A	13029-08-8	PCB-004 (2,2'-DiCB)	13	J	0.78	21	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-04-1.0-20180925	9/25/2018	E1668A	33284-50-3	PCB-007 (2,4-DiCB)	1.0	J	0.94	21	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-04-1.0-20180925	9/25/2018	E1668A	2974-92-7M	PCB-12/13	24	J	1.0	42	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-04-1.0-20180925	9/25/2018	E1668A	39635-34-2	PCB-162 (2,3,3',4',5,5'-HxCB)	15	J	1.9	21	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-04-1.0-20180925	9/25/2018	E1668A	25323-68-6	Trichlorobiphenyl (total)	85	JB	0.30	210	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-04-1.0-20180925	9/25/2018	E1668A	74472-50-7	PCB-191 (2,3,3',4,4',5,6-HpCB)	19	J	6.3	21	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-04-1.0-20180925	9/25/2018	E1668A	37680-66-3	PCB-017 (2,2',4-TrCB)	1.2	J	0.11	21	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-04-1.0-20180925	9/25/2018	E1668A	52663-61-3	PCB-092 (2,2',3,5,5'-PeCB)	13	J	3.0	21	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-04-1.0-20180925	9/25/2018	E1668A	38444-76-7	PCB-027 (2,3',6-TrCB)	0.35	J	0.083	21	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-04-1.0-20180925	9/25/2018	E1668A	25512-42-9	Dichlorobiphenyl (total)	120	J	0.94	210	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-04-1.0-20180925	9/25/2018	E1668A	31508-00-6	PCB-118 (2,3',4,4',5-PeCB)	72	GF1B	2.6	2.6	pg/g	J+	m	MS/MSD %R	163,-	50-150 %
4402208432	RISB-EJ-04-1.0-20180925	9/25/2018	E1668A	41464-49-7	PCB-058 (2,3,3',5'-TeCB)	1.5	J	0.53	21	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-04-1.0-20180925	9/25/2018	E1668A	PCB107+124	PCBs 107 + 124	12	J	2.3	42	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-04-1.0-20180925	9/25/2018	E1668A	PCB93+100	PCBs 93 + 100	3.4	J	2.7	42	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-04-1.0-20180925	9/25/2018	E1668A	PCB40+71	PCBs 40 + 71	6.4	J	0.37	42	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-04-1.0-20180925	9/25/2018	E1668A	PCB128+166	PCBs 128 + 166	27	J	2.2	42	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-04-1.0-20180925	9/25/2018	E1668A	PCB20+28	PCBs 20 + 28	9.7	JB	0.40	42	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-04-1.0-20180925	9/25/2018	E1668A	74472-34-7	PCB-063 (2,3,4',5-TeCB)	2.7	J	0.48	21	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-04-1.0-20180925	9/25/2018	E1668A	74472-46-1	PCB-165 (2,3,3',5,5',6-HxCB)	6.4	J	2.1	21	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-04-1.0-20180925	9/25/2018	E1668A	74472-51-8	PCB-192 (2,3,3',4,5,5',6-HpCB)	14	J	6.6	21	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-04-1.0-20180925	9/25/2018	E1668A	55720-44-0	PCB-023 (2,3,5-TrCB)	0.67	J	0.38	21	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-04-1.0-20180925	9/25/2018	E1668A	36559-22-5	PCB-042 (2,2',3,4'-TeCB)	2.1	J	0.42	21	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-04-1.0-20180925	9/25/2018	E1668A	37680-68-5	PCB-034 (2,3',5'-TrCB)	1.0	J	0.40	21	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-04-1.0-20180925	9/25/2018	E1668A	35693-99-3	PCB-052 (2,2',5,5'-TeCB)	13	JB	0.41	21	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-04-1.0-20180925	9/25/2018	E1668A	35694-04-3	PCB-133 (2,2',3,3',5,5'-HxCB)	13	J	2.8	21	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-04-1.0-20180925	9/25/2018	E1668A	38444-88-1	PCB-039 (3,4',5-TrCB)	4.6	J	0.40	21	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-04-1.0-20180925	9/25/2018	E1668A	41411-62-5	PCB-160 (2,3,3',4,5,6-HxCB)	13	J	1.9	21	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-04-1.0-20180925	9/25/2018	E1668A	41464-43-1	PCB-056 (2,3,3',4'-TeCB)	9.6	J	0.58	21	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-04-1.0-20180925	9/25/2018	E1668A	33025-41-1	PCB-060 (2,3,4,4'-TeCB)	5.8	J	0.57	21	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-04-1.0-20180925	9/25/2018	E1668A	34883-39-1	PCB-009 (2,5-DiCB)	4.9	J	1.0	21	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-04-1.0-20180925	9/25/2018	E1668A	PCB139+140	PCBs 139 + 140	13	J	2.5	42	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-04-1.0-20180925	9/25/2018	E1668A	38444-78-9	PCB-016 (2,2',3-TrCB)	1.6	J	0.14	21	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-04-1.0-20180925	9/25/2018	E1668A	PCB98+102	PCBs 98 + 102	2.8	J	2.6	42	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-04-1.0-20180925	9/25/2018	E1668A	25429-29-2	PENTACHLOROBIPHENYL	540	B	2.5	210	pg/g	J+	m	MS/MSD %R	163,-	50-150 %
4402208432	RISB-EJ-04-1.0-20180925	9/25/2018	E1668A	PCB86-125	PCBs 86 + 87 + 97 + 108 + 119 + 125	55	J	2.5	130	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-04-1.0-20180925	9/25/2018	E1668A	PCB49+69	PCBs 49 + 69	6.2	J	0.32	42	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-04-1.0-20180925	9/25/2018	E1668A	68194-04-7	PCB-051 (2,2',4,6'-TeCB)	0.54	J	0.36	21	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-04-1.0-20180925	9/25/2018	E1668A	68194-08-1	PCB-150 (2,2',3,4',6,6'-HxCB)	6.7	J	1.8	21	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-04-1.0-20180925	9/25/2018	E1668A	70362-49-1	PCB-078 (3,3',4,5-TeCB)	5.4	J	0.64	21	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-04-1.0-20180925	9/25/2018	E1668A	53555-66-1	PCB-038 (3,4,5-TrCB)	1.2	J	0.43	21	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-04-1.0-20180925	9/25/2018	E1668A	52663-62-4	PCB-082 (2,2',3,3',4-PeCB)	10	J	3.8	21	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-04-1.0-20180925	9/25/2018	E1668A	2051-61-8	PCB-002 (3-CB)	10	J	0.22	21	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-04-1.0-20180925	9/25/2018	E1668A	2051-60-7	PCB-001 (2-CB)	13	J	0.31	21	pg/g	J	sp	< PQL		

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte ¹	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator ²	Qualification Finding	Acceptance Criteria
4402208432	RISB-EJ-04-1.0-20180925	9/25/2018	E1668A	41411-61-4	PCB-142 (2,2',3,4,5,6-HxCB)	9.9	J	3.0	21	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-04-1.0-20180925	9/25/2018	E1668A	38444-87-0	PCB-036 (3,3',5-TrCB)	3.1	J	0.39	21	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-04-1.0-20180925	9/25/2018	E1668A	73575-54-9	PCB-096 (2,2',3,6,6'-PeCB)	1.1	J	0.16	21	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-04-1.0-20180925	9/25/2018	E1668A	74472-41-6	PCB-148 (2,2',3,4',5,6'-HxCB)	14	J	2.6	21	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-04-1.0-20180925	9/25/2018	E1668A	16605-91-7	PCB-005 (2,3-DiCB)	1.8	J	0.97	21	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-04-1.0-20180925	9/25/2018	E1668A	26914-33-0	Tetrachlorobiphenyl	190	JB	0.47	210	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-04-1.0-20180925	9/25/2018	E1668A	38444-73-4	PCB-019 (2,2',6-TrCB)	0.35	J	0.13	21	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-04-1.0-20180925	9/25/2018	E1668A	PCB85+116+117	PCBs 85 + 116 + 117	31	J	2.5	63	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-04-1.0-20180925	9/25/2018	E1668A	38444-77-8	PCB-032 (2,4',6-TrCB)	0.71	J	0.078	21	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-04-1.0-20180925	9/25/2018	E1668A	56558-18-0	PCB-121 (2,3',4,5',6'-PeCB)	3.7	J	2.0	21	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-04-1.0-20180925	9/25/2018	E1668A	27323-18-8	Monochlorobiphenyl	34	J	0.26	210	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-04-1.0-20180925	9/25/2018	E1668A	PCB44+47+65	PCBs 44 + 47 + 65	11	JB	0.37	63	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-04-1.0-20180925	9/25/2018	E1668A	73575-53-8	PCB-067 (2,3',4,5'-TeCB)	3.1	J	0.50	21	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-04-1.0-20180925	9/25/2018	E1668A	74472-49-4	PCB-186 (2,2',3,4,5,6,6'-HpCB)	6.5	J	0.052	21	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-04-1.0-20180925	9/25/2018	E1668A	61798-70-7	PCB-131 (2,2',3,3',4,6-HxCB)	5.3	J	2.9	21	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-04-1.0-20180925	9/25/2018	E1668A	60145-22-4	PCB-154 (2,2',4,4',5,6'-HxCB)	12	J	2.3	21	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-04-1.0-20180925	9/25/2018	E1668A	55702-45-9	PCB-024 (2,3,6-TrCB)	0.53	J	0.085	21	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-04-1.0-20180925	9/25/2018	E1668A	52704-70-8M	PCB-134/143	10	J	2.9	42	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-04-1.0-20180925	9/25/2018	E1668A	70362-46-8	PCB-043 (2,2',3,5'-TeCB)	1.4	J	0.48	21	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-04-1.0-20180925	9/25/2018	E1668A	70424-67-8	PCB-057 (2,3,3',5'-TeCB)	2.6	J	0.54	21	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-04-1.0-20180925	9/25/2018	E1668A	52663-60-2	PCB-084 (2,2',3,3',6'-PeCB)	10	J	3.2	21	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-04-1.0-20180925	9/25/2018	E1668A	15968-05-5	PCB-054 (2,2',6,6'-TeCB)	0.19	J	0.086	21	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-04-1.0-20180925	9/25/2018	E1668A	55712-37-3	PCB-025 (2,3',4-TrCB)	2.0	J	0.38	21	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-04-1.0-20180925	9/25/2018	E1668A	74472-35-8	PCB-109 (2,3,3',4,6'-PeCB)	16	J	2.2	21	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-04-1.0-20180925	9/25/2018	E1668A	74472-43-8	PCB-161 (2,3,3',4,5',6'-HxCB)	8.5	J	2.0	21	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-04-1.0-20180925	9/25/2018	E1668A	PCB18+30	PCBs 18 + 30	3.3	JB	0.092	42	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-04-1.0-20180925	9/25/2018	E1668A	PCB21+33	PCBs 21 + 33	5.1	JB	0.39	42	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-04-1.0-20180925	9/25/2018	E1668A	41464-42-0	PCB-072 (2,3',5,5'-TeCB)	4.1	J	0.50	21	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-04-1.0-20180925	9/25/2018	E1668A	52663-59-9	PCB-041 (2,2',3,4'-TeCB)	0.91	J	0.53	21	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-04-1.0-20180925	9/25/2018	E1668A	35694-06-5	PCB-137 (2,2',3,4,4',5-HxCB)	16	J	2.3	21	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-04-1.0-20180925	9/25/2018	E1668A	38411-22-2	PCB-136 (2,2',3,3',6,6'-HxCB)	10	J	1.9	21	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-04-1.0-20180925	9/25/2018	E1668A	39635-35-3	PCB-159 (2,3,3',4,5,5'-HxCB)	16	J	2.0	21	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-04-1.0-20180925	9/25/2018	E1668A	37680-69-6	PCB-035 (3,3',4-TrCB)	6.6	J	0.44	21	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-04-10.0-20180925	9/25/2018	E1668A	26914-33-0	Tetrachlorobiphenyl	4.4	JqB	0.11	220	pg/g	J	bl,k,sp	MB contamination; EMPC; < PQL	2.51	12.55 pg/g
4402208432	RISB-EJ-04-10.0-20180925	9/25/2018	E1668A	PCB129+138+163	PCBs 129 + 138 + 163	1.7	JB	0.21	67	pg/g	J	bl,sp	MB contamination; < PQL	0.760	3.8 pg/g
4402208432	RISB-EJ-04-10.0-20180925	9/25/2018	E1668A	33091-17-7	PCB-197 (2,2',3,3',4,4',6,6'-OxCB)	0.35	J	0.080	22	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-04-10.0-20180925	9/25/2018	E1668A	26601-64-9	Hexachlorobiphenyl	4.0	JqB	0.20	220	pg/g	J	k,sp	EMPC; < PQL		
4402208432	RISB-EJ-04-10.0-20180925	9/25/2018	E1668A	15968-05-5	PCB-054 (2,2',6,6'-TeCB)	0.18	J	0.081	22	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-04-10.0-20180925	9/25/2018	E1668A	52663-77-1	PCB-208 (2,2',3,3',4,5,5',6,6'-NoCB)	2.0	J	0.19	22	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-04-10.0-20180925	9/25/2018	E1668A	PCB147+149	PCBs 147 + 149	0.71	Jq	0.23	45	pg/g	J	k,sp	EMPC; < PQL		
4402208432	RISB-EJ-04-10.0-20180925	9/25/2018	E1668A	28655-71-2	Heptachlorobiphenyl	1.9	JqB	0.082	220	pg/g	J	k,sp	EMPC; < PQL		
4402208432	RISB-EJ-04-10.0-20180925	9/25/2018	E1668A	27323-18-8	Monochlorobiphenyl	7.8	J	0.13	220	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-04-10.0-20180925	9/25/2018	E1668A	PCB21+33	PCBs 21 + 33	0.33	JqB	0.097	45	pg/g	J	bl,k,sp	MB contamination; EMPC; < PQL	0.202	1.01 pg/g
4402208432	RISB-EJ-04-10.0-20180925	9/25/2018	E1668A	52663-65-7	PCB-176 (2,2',3,3',4,6,6'-HpCB)	0.086	Jq	0.040	22	pg/g	J	k,sp	EMPC; < PQL		
4402208432	RISB-EJ-04-10.0-20180925	9/25/2018	E1668A	38444-73-4	PCB-019 (2,2',6-TrCB)	0.36	J	0.15	22	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-04-10.0-20180925	9/25/2018	E1668A	PCB153+168	PCBs 153 + 168	1.1	J	0.17	45	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-04-10.0-20180925	9/25/2018	E1668A	PCB18+30	PCBs 18 + 30	0.43	JqB	0.11	45	pg/g	J	bl,k,sp	MB contamination; EMPC; < PQL	0.185	0.925 pg/g
4402208432	RISB-EJ-04-10.0-20180925	9/25/2018	E1668A	41464-43-1	PCB-056 (2,3,3',4'-TeCB)	0.22	J	0.11	22	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-04-10.0-20180925	9/25/2018	E1668A	35693-99-3	PCB-052 (2,2',5,5'-TeCB)	0.87	JB	0.12	22	pg/g	J	bl,sp	MB contamination; < PQL	0.647	3.235 pg/g
4402208432	RISB-EJ-04-10.0-20180925	9/25/2018	E1668A	25429-29-2	PENTACHLOROBIPHENYL	4.5	JB	0.33	220	pg/g	J	bl,sp	MB contamination; < PQL	1.96	9.8 pg/g
4402208432	RISB-EJ-04-10.0-20180925	9/25/2018	E1668A	PCB180+193	PCBs 180 + 193	0.69	JB	0.096	45	pg/g	J	bl,sp	MB contamination; < PQL	0.251	1.255 pg/g
4402208432	RISB-EJ-04-10.0-20180925	9/25/2018	E1668A	38444-78-9	PCB-016 (2,2',3-TrCB)	0.30	Jq	0.16	22	pg/g	J	k,sp	EMPC; < PQL		
4402208432	RISB-EJ-04-10.0-20180925	9/25/2018	E1668A	52663-78-2	PCB-195 (2,2',3,3',4,4',5,6-OxCB)	0.43	Jq	0.11	22	pg/g	J	k,sp	EMPC; < PQL		
4402208432	RISB-EJ-04-10.0-20180925	9/25/2018	E1668A	2051-61-8	PCB-002 (3-CB)	1.0	J	0.11	22	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-04-10.0-20180925	9/25/2018	E1668A	2051-60-7	PCB-001 (2-CB)	5.1	J	0.15	22	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-04-10.0-20180925	9/25/2018	E1668A	38444-90-5	PCB-037 (3,4,4'-TrCB)	0.45	J	0.14	22	pg/g	J	sp	< PQL		

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte ¹	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator ²	Qualification Finding	Acceptance Criteria
4402208432	RISB-EJ-04-10.0-20180925	9/25/2018	E1668A	74487-85-7	PCB-188 (2,2',3,4',5,6,6'-HpCB)	0.13	Jq	0.058	22	pg/g	J	k,sp	EMPC; < PQL		
4402208432	RISB-EJ-04-10.0-20180925	9/25/2018	E1668A	40186-71-8	PCB-201 (2,2',3,3',4,5',6,6'-OxCB)	0.21	J	0.089	22	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-04-10.0-20180925	9/25/2018	E1668A	PCB49+69	PCBs 49 + 69	0.30	J	0.089	45	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-04-10.0-20180925	9/25/2018	E1668A	40186-72-9	PCB-206 (2,2',3,3',4,4',5,5',6-NoCB)	1.3	J	0.23	22	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-04-10.0-20180925	9/25/2018	E1668A	52663-68-0	PCB-187 (2,2',3,4',5,5',6-HpCB)	0.33	Jq	0.053	22	pg/g	J	k,sp	EMPC; < PQL		
4402208432	RISB-EJ-04-10.0-20180925	9/25/2018	E1668A	52663-79-3	PCB-207 (2,2',3,3',4,4',5,6,6'-NoCB)	1.9	JB	0.15	22	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-04-10.0-20180925	9/25/2018	E1668A	38380-05-1	PCB-132 (2,2',3,3',4,6'-HxCB)	0.40	J	0.25	22	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-04-10.0-20180925	9/25/2018	E1668A	25323-68-6	Trichlorobiphenyl (total)	3.1	JqB	0.11	220	pg/g	J	bl,k,sp	MB contamination; EMPC; < PQL	0.893	4.465 pg/g
4402208432	RISB-EJ-04-10.0-20180925	9/25/2018	E1668A	38411-25-5	PCB-174 (2,2',3,3',4,5,6'-HpCB)	0.36	Jq	0.13	22	pg/g	J	k,sp	EMPC; < PQL		
4402208432	RISB-EJ-04-10.0-20180925	9/25/2018	E1668A	42740-50-1	PCB-196 (2,2',3,3',4,4',5,6'-OxCB)	0.31	J	0.12	22	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-04-10.0-20180925	9/25/2018	E1668A	PCB44+47+65	PCBs 44 + 47 + 65	0.74	JB	0.10	67	pg/g	J	bl,sp	MB contamination; < PQL	0.847	4.235 pg/g
4402208432	RISB-EJ-04-10.0-20180925	9/25/2018	E1668A	PCB110+115	PCBs 110 + 115	1.3	JB	0.29	45	pg/g	J	bl,sp	MB contamination; < PQL	1.02	5.1 pg/g
4402208432	RISB-EJ-04-10.0-20180925	9/25/2018	E1668A	PCB40+71	PCBs 40 + 71	0.23	J	0.10	45	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-04-10.0-20180925	9/25/2018	E1668A	PCB20+28	PCBs 20 + 28	0.47	JqB	0.10	45	pg/g	J	bl,k,sp	MB contamination; EMPC; < PQL	0.299	1.495 pg/g
4402208432	RISB-EJ-04-10.0-20180925	9/25/2018	E1668A	38379-99-6	PCB-095 (2,2',3,5',6-PeCB)	0.68	J	0.36	22	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-04-10.0-20180925	9/25/2018	E1668A	37680-66-3	PCB-017 (2,2',4-TrCB)	0.18	Jq	0.12	22	pg/g	J	k,sp	EMPC; < PQL		
4402208432	RISB-EJ-04-10.0-20180925	9/25/2018	E1668A	38444-85-8	PCB-022 (2,3,4'-TrCB)	0.15	Jq	0.11	22	pg/g	J	k,sp	EMPC; < PQL		
4402208432	RISB-EJ-04-10.0-20180925	9/25/2018	E1668A	2051-62-9	PCB-003 (4-CB)	1.7	J	0.12	22	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-04-10.0-20180925	9/25/2018	E1668A	31508-00-6	PCB-118 (2,3',4,4',5-PeCB)	1.5	JB	0.33	2.2	pg/g	J	bl,sp	MB contamination; < PQL	0.933	4.665 pg/g
4402208432	RISB-EJ-04-10.0-20180925	9/25/2018	E1668A	74472-48-3	PCB-184 (2,2',3,4,4',6,6'-HpCB)	0.050	Jq	0.045	22	pg/g	J	k,sp	EMPC; < PQL		
4402208432	RISB-EJ-04-10.0-20180925	9/25/2018	E1668A	PCB90+101+113	PCBs 90 + 101 + 113	1.1	J	0.32	67	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-04-10.0-20180925	9/25/2018	E1668A	52663-58-8	PCB-064 (2,3,4',6-TeCB)	0.21	J	0.076	22	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-04-10.0-20180925	9/25/2018	E1668A	40186-70-7	PCB-175 (2,2',3,3',4,5',6-HpCB)	0.11	Jq	0.055	22	pg/g	J	k,sp	EMPC; < PQL		
4402208432	RISB-EJ-04-10.0-20180925	9/25/2018	E1668A	53742-07-7	Nonachlorobiphenyl	5.3	JB	0.19	220	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-04-10.0-20180925	9/25/2018	E1668A	32598-10-0	PCB-066 (2,3',4,4'-TeCB)	0.46	JB	0.11	22	pg/g	J	bl,sp	MB contamination; < PQL	0.318	1.59 pg/g
4402208432	RISB-EJ-04-10.0-20180925	9/25/2018	E1668A	55722-26-4	Octachlorobiphenyl	1.3	JqB	0.10	220	pg/g	J	k,sp	EMPC; < PQL		
4402208432	RISB-EJ-04-10.0-20180925	9/25/2018	E1668A	16606-02-3	PCB-031 (2,4',5-TrCB)	0.48	JqB	0.094	22	pg/g	J	bl,k,sp	MB contamination; EMPC; < PQL	0.207	1.035 pg/g
4402208432	RISB-EJ-04-10.0-20180925	9/25/2018	E1668A	52663-69-1	PCB-183 (2,2',3,4,4',5,6-HpCB)	0.19	Jq	0.10	22	pg/g	J	k,sp	EMPC; < PQL		
4402208432	RISB-EJ-04-10.0-20180925	9/25/2018	E1668A	2051-24-3	PCB-209 (DeCB)	15	JB	0.069	22	pg/g	J	sp	< PQL		
4402208432	RISB-EJ-04-10.0-20180925	9/25/2018	E1668A	PCB61+70+74+76	PCBs 61 + 70 + 74 + 76	1.1	JB	0.099	90	pg/g	J	bl,sp	MB contamination; < PQL	0.571	2.855 pg/g
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	E1668A	25569-80-6	PCB-006 (2,3'-DiCB)	3.2	J	1.4	21	pg/g	J	sp	< PQL		
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	E1668A	74472-47-2	PCB-181 (2,2',3,4,4',5,6-HpCB)	0.75	J	0.31	21	pg/g	J	sp	< PQL		
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	E1668A	32598-10-0	PCB-066 (2,3',4,4'-TeCB)	2.5	JB	0.099	21	pg/g	J	sp	< PQL		
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	E1668A	56558-16-8	PCB-104 (2,2',4,6,6'-PeCB)	0.44	Jq	0.14	21	pg/g	J	k,sp	EMPC; < PQL		
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	E1668A	55722-26-4	Octachlorobiphenyl	47	JB	0.070	210	pg/g	J	sp	< PQL		
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	E1668A	60145-23-5	PCB-182 (2,2',3,4,4',5,6'-HpCB)	1.2	J	0.047	21	pg/g	J	sp	< PQL		
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	E1668A	70362-45-7	PCB-045 (2,2',3,6-TeCB)	0.20	Jq	0.14	21	pg/g	J	k,sp	EMPC; < PQL		
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	E1668A	PCB61+70+74+76	PCBs 61 + 70 + 74 + 76	5.9	JB	0.092	83	pg/g	J	sp	< PQL		
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	E1668A	PCB90+101+113	PCBs 90 + 101 + 113	5.3	J	0.39	62	pg/g	J	sp	< PQL		
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	E1668A	16606-02-3	PCB-031 (2,4',5-TrCB)	7.6	JB	0.18	21	pg/g	J	sp	< PQL		
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	E1668A	38444-85-8	PCB-022 (2,3,4'-TrCB)	2.4	J	0.20	21	pg/g	J	sp	< PQL		
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	E1668A	35065-30-6	PCB-170 (2,2',3,3',4,4',5-HpCB)	1.7	J	0.35	21	pg/g	J	sp	< PQL		
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	E1668A	38379-99-6	PCB-095 (2,2',3,5',6-PeCB)	2.6	J	0.44	21	pg/g	J	sp	< PQL		
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	E1668A	52663-66-8	PCB-130 (2,2',3,3',4,5'-HxCB)	1.4	J	0.28	21	pg/g	J	sp	< PQL		
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	E1668A	35694-08-7	PCB-194 (2,2',3,3',4,4',5,5'-OxCB)	3.5	JB	0.084	21	pg/g	J	sp	< PQL		
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	E1668A	37680-66-3	PCB-017 (2,2',4-TrCB)	0.60	J	0.14	21	pg/g	J	sp	< PQL		
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	E1668A	2051-62-9	PCB-003 (4-CB)	5.7	J	0.11	21	pg/g	J	sp	< PQL		
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	E1668A	52663-58-8	PCB-064 (2,3,4',6-TeCB)	0.70	Jq	0.088	21	pg/g	J	k,sp	EMPC; < PQL		
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	E1668A	73575-52-7	PCB-068 (2,3',4,5'-TeCB)	0.41	JB	0.082	21	pg/g	J	bl,sp	MB contamination; < PQL	0.131	0.655 pg/g
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	E1668A	52663-72-6	PCB-167 (2,3',4,4',5,5'-HxCB)	1.6	J	0.14	2.1	pg/g	J	sp	< PQL		
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	E1668A	74338-24-2	PCB-055 (2,3,3',4-TeCB)	0.15	Jq	0.098	21	pg/g	J	k,sp	EMPC; < PQL		
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	E1668A	52663-73-7	PCB-200 (2,2',3,3',4,5,6,6'-OxCB)	2.4	J	0.064	21	pg/g	J	sp	< PQL		
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	E1668A	PCB153+168	PCBs 153 + 168	5.3	J	0.18	41	pg/g	J	sp	< PQL		
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	E1668A	74472-48-3	PCB-184 (2,2',3,4,4',6,6'-HpCB)	2.6	J	0.040	21	pg/g	J	sp	< PQL		
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	E1668A	PCB26+29	PCBs 26 + 29	1.4	J	0.18	41	pg/g	J	sp	< PQL		
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	E1668A	33979-03-2	PCB-155 (2,2',4,4',6,6'-HxCB)	0.52	Jq	0.14	21	pg/g	J	k,sp	EMPC; < PQL		

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte ¹	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator ²	Qualification Finding	Acceptance Criteria
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	E1668A	38380-01-7	PCB-099 (2,2',4,4',5-PeCB)	2.1	J	0.40	21	pg/g	J	sp	< PQL		
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	E1668A	39635-31-9	PCB-189 (2,3,3',4,4',5,5'-HpCB)	1.3	JB	0.055	2.1	pg/g	J	sp	< PQL		
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	E1668A	40186-70-7	PCB-175 (2,2',3,3',4,5',6-HpCB)	2.1	J	0.049	21	pg/g	J	sp	< PQL		
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	E1668A	53742-07-7	Nonachlorobiphenyl	95	JB	0.20	210	pg/g	J	sp	< PQL		
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	E1668A	52712-05-7	PCB-185 (2,2',3,4,5,5',6-HpCB)	0.73	J	0.31	21	pg/g	J	sp	< PQL		
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	E1668A	33284-52-5	PCB-080 (3,3',5,5'-TeCB)	0.13	Jq	0.086	21	pg/g	J	k.sp	EMPC; < PQL		
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	E1668A	PCB147+149	PCBs 147 + 149	4.7	J	0.23	41	pg/g	J	sp	< PQL		
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	E1668A	52663-69-1	PCB-183 (2,2',3,4,4',5',6-HpCB)	3.1	J	0.29	21	pg/g	J	sp	< PQL		
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	E1668A	52623-68-6	Trichlorobiphenyl (total)	32	JqB	0.17	210	pg/g	J	k.sp	EMPC; < PQL		
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	E1668A	PCB171+173	PCBs 171 + 173	2.8	J	0.35	41	pg/g	J	sp	< PQL		
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	E1668A	PCB135+151	PCBs 135 + 151	2.3	J	0.24	41	pg/g	J	sp	< PQL		
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	E1668A	PCB50+53	PCBs 50 + 53	0.20	Jq	0.11	41	pg/g	J	k.sp	EMPC; < PQL		
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	E1668A	13029-08-8	PCB-004 (2,2'-DiCB)	5.1	J	1.3	21	pg/g	J	sp	< PQL		
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	E1668A	38380-05-1	PCB-132 (2,2',3,3',4,6'-HxCB)	1.4	Jq	0.25	21	pg/g	J	k.sp	EMPC; < PQL		
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	E1668A	38411-25-5	PCB-174 (2,2',3,3',4,5,6'-HpCB)	2.6	J	0.37	21	pg/g	J	sp	< PQL		
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	E1668A	41464-48-6	PCB-079 (3,3',4,5'-TeCB)	0.42	Jq	0.098	21	pg/g	J	k.sp	EMPC; < PQL		
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	E1668A	74472-51-8	PCB-192 (2,3,3',4,5,5',6-HpCB)	1.5	J	0.26	21	pg/g	J	sp	< PQL		
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	E1668A	2050-67-1	PCB-011 (3,3'-DiCB)	3.4	Jq	1.4	21	pg/g	J	k.sp	EMPC; < PQL		
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	E1668A	70362-47-9	PCB-048 (2,2',4,5'-TeCB)	0.62	J	0.12	21	pg/g	J	sp	< PQL		
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	E1668A	74472-45-0	PCB-164 (2,3,3',4,4',5,6-HxCB)	0.91	J	0.19	21	pg/g	J	sp	< PQL		
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	E1668A	PCB198+199	PCBs 198 + 199	8.6	J	0.082	41	pg/g	J	sp	< PQL		
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	E1668A	PCB156+157	PCBs 156 + 157	1.9	J	0.21	4.1	pg/g	J	sp	< PQL		
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	E1668A	PCB59+62+75	PCBs 59 + 62 + 75	0.77	J	0.090	62	pg/g	J	sp	< PQL		
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	E1668A	34883-43-7	PCB-008 (2,4'-DiCB)	6.7	J	1.4	21	pg/g	J	sp	< PQL		
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	E1668A	41411-64-7	PCB-190 (2,3,3',4,4',5,6-HpCB)	1.2	J	0.23	21	pg/g	J	sp	< PQL		
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	E1668A	52663-74-8	PCB-172 (2,2',3,3',4,5,5'-HpCB)	2.0	J	0.35	21	pg/g	J	sp	< PQL		
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	E1668A	52712-04-6	PCB-141 (2,2',3,4,5,5'-HxCB)	2.3	J	0.24	21	pg/g	J	sp	< PQL		
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	E1668A	74472-53-0	PCB-205 (2,3,3',4,4',5,5',6-OcCB)	2.4	J	0.063	21	pg/g	J	sp	< PQL		
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	E1668A	74472-34-7	PCB-063 (2,3,4',5'-TeCB)	0.32	J	0.085	21	pg/g	J	sp	< PQL		
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	E1668A	PCB128+166	PCBs 128 + 166	1.2	J	0.20	41	pg/g	J	sp	< PQL		
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	E1668A	PCB20+28	PCBs 20 + 28	3.9	JB	0.19	41	pg/g	J	sp	< PQL		
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	E1668A	2974-92-7M	PCB-12/13	4.3	Jq	1.4	41	pg/g	J	k.sp	EMPC; < PQL		
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	E1668A	PCB110+115	PCBs 110 + 115	6.0	JB	0.36	41	pg/g	J	sp	< PQL		
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	E1668A	25512-42-9	Dichlorobiphenyl (total)	33	Jq	1.3	210	pg/g	J	k.sp	EMPC; < PQL		
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	E1668A	42740-50-1	PCB-196 (2,2',3,3',4,4',5,6'-OcCB)	6.4	J	0.077	21	pg/g	J	sp	< PQL		
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	E1668A	52663-68-0	PCB-187 (2,2',3,4',5,5',6-HpCB)	3.6	J	0.047	21	pg/g	J	sp	< PQL		
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	E1668A	38444-76-7	PCB-027 (2,3',6-TrCB)	0.14	J	0.11	21	pg/g	J	sp	< PQL		
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	E1668A	68194-14-9	PCB-144 (2,2',3,4,5',6-HxCB)	0.91	J	0.23	21	pg/g	J	sp	< PQL		
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	E1668A	52663-61-3	PCB-092 (2,2',3,5,5'-PeCB)	1.2	J	0.48	21	pg/g	J	sp	< PQL		
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	E1668A	74472-50-7	PCB-191 (2,3,3',4,4',5',6-HpCB)	0.72	J	0.25	21	pg/g	J	sp	< PQL		
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	E1668A	52663-64-6	PCB-179 (2,2',3,3',5,6,6'-HpCB)	1.4	J	0.039	21	pg/g	J	sp	< PQL		
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	E1668A	PCB40+71	PCBs 40 + 71	1.1	J	0.12	41	pg/g	J	sp	< PQL		
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	E1668A	36559-22-5	PCB-042 (2,2',3,4'-TeCB)	0.40	J	0.13	21	pg/g	J	sp	< PQL		
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	E1668A	PCB18+30	PCBs 18 + 30	4.1	JB	0.12	41	pg/g	J	sp	< PQL		
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	E1668A	33025-41-1	PCB-060 (2,3,4,4'-TeCB)	0.74	J	0.10	21	pg/g	J	sp	< PQL		
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	E1668A	35693-99-3	PCB-052 (2,2',5,5'-TeCB)	3.2	JB	0.13	21	pg/g	J	bl.sp	MB contamination; < PQL	0.647	3.235 pg/g
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	E1668A	34883-39-1	PCB-009 (2,5-DiCB)	2.6	J	1.4	21	pg/g	J	sp	< PQL		
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	E1668A	41464-43-1	PCB-056 (2,3,3',4'-TeCB)	1.2	J	0.10	21	pg/g	J	sp	< PQL		
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	E1668A	38444-88-1	PCB-039 (3,4',5-TrCB)	0.43	J	0.19	21	pg/g	J	sp	< PQL		
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	E1668A	PCB139+140	PCBs 139 + 140	0.82	J	0.22	41	pg/g	J	sp	< PQL		
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	E1668A	35694-04-3	PCB-133 (2,2',3,3',5,5'-HxCB)	0.70	J	0.25	21	pg/g	J	sp	< PQL		
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	E1668A	74472-52-9	PCB-204 (2,2',3,4,4',5,6,6'-OcCB)	3.4	J	0.060	21	pg/g	J	sp	< PQL		
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	E1668A	25429-29-2	PENTACHLOROBIPHENYL	38	JqB	0.40	210	pg/g	J	k.sp	EMPC; < PQL		
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	E1668A	55712-37-3	PCB-025 (2,3',4-TrCB)	0.37	J	0.18	21	pg/g	J	sp	< PQL		
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	E1668A	52663-60-2	PCB-084 (2,2',3,3',6-PeCB)	0.92	J	0.51	21	pg/g	J	sp	< PQL		
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	E1668A	74472-35-8	PCB-109 (2,3,3',4,6-PeCB)	1.1	Jq	0.35	21	pg/g	J	k.sp	EMPC; < PQL		

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte ¹	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator ²	Qualification Finding	Acceptance Criteria
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	E1668A	74472-37-0	PCB-114 (2,3,4,4',5'-PeCB)	0.83	J	0.43	2.1	pg/g	J	sp	< PQL		
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	E1668A	74472-43-8	PCB-161 (2,3,3',4,5',6'-HxCB)	0.48	Jq	0.18	21	pg/g	J	k.sp	EMPC; < PQL		
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	E1668A	41411-62-5	PCB-160 (2,3,3',4,5,6'-HxCB)	0.60	J	0.17	21	pg/g	J	sp	< PQL		
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	E1668A	52663-65-7	PCB-176 (2,2',3,3',4,6,6'-HpCB)	1.4	J	0.036	21	pg/g	J	sp	< PQL		
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	E1668A	74487-85-7	PCB-188 (2,2',3,4',5,6,6'-HpCB)	1.6	J	0.048	21	pg/g	J	sp	< PQL		
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	E1668A	74472-41-6	PCB-148 (2,2',3,4',5,6'-HxCB)	0.88	J	0.24	21	pg/g	J	sp	< PQL		
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	E1668A	38444-87-0	PCB-036 (3,3',5'-TeCB)	0.34	J	0.18	21	pg/g	J	sp	< PQL		
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	E1668A	38444-90-5	PCB-037 (3,4,4'-TrCB)	4.1	J	0.27	21	pg/g	J	sp	< PQL		
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	E1668A	41411-61-4	PCB-142 (2,2',3,4,5,6'-HxCB)	0.52	Jq	0.27	21	pg/g	J	k.sp	EMPC; < PQL		
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	E1668A	2051-60-7	PCB-001 (2-CB)	4.6	J	0.14	21	pg/g	J	sp	< PQL		
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	E1668A	52663-76-0	PCB-203 (2,2',3,4,4',5,5',6'-OcCB)	3.7	J	0.074	21	pg/g	J	sp	< PQL		
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	E1668A	52663-62-4	PCB-082 (2,2',3,3',4'-PeCB)	0.89	J	0.60	21	pg/g	J	sp	< PQL		
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	E1668A	PCB180+193	PCBs 180 + 193	6.4	JB	0.28	41	pg/g	J	sp	< PQL		
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	E1668A	52663-78-2	PCB-195 (2,2',3,3',4,4',5,6'-OcCB)	1.2	J	0.084	21	pg/g	J	sp	< PQL		
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	E1668A	70362-50-4	PCB-081 (3,4,4',5'-TeCB)	0.53	J	0.14	2.1	pg/g	J	sp	< PQL		
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	E1668A	70362-49-1	PCB-078 (3,3',4,5'-TeCB)	0.25	J	0.11	21	pg/g	J	sp	< PQL		
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	E1668A	68194-08-1	PCB-150 (2,2',3,4',6,6'-HxCB)	0.52	J	0.16	21	pg/g	J	sp	< PQL		
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	E1668A	PCB86-125	PCBs 86 + 87 + 97 + 108 + 119 + 125	5.1	J	0.39	120	pg/g	J	sp	< PQL		
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	E1668A	PCB85+116+117	PCBs 85 + 116 + 117	2.7	J	0.39	62	pg/g	J	sp	< PQL		
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	E1668A	2051-61-8	PCB-002 (3-CB)	2.0	J	0.10	21	pg/g	J	sp	< PQL		
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	E1668A	28655-71-2	Heptachlorobiphenyl	42	JqB	0.19	210	pg/g	J	k.sp	EMPC; < PQL		
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	E1668A	60145-22-4	PCB-154 (2,2',4,4',5,6'-HxCB)	1.2	J	0.21	21	pg/g	J	sp	< PQL		
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	E1668A	74472-42-7	PCB-158 (2,3,3',4,4',6'-HxCB)	1.2	J	0.17	21	pg/g	J	sp	< PQL		
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	E1668A	74472-49-4	PCB-186 (2,2',3,4,5,6,6'-HpCB)	0.34	Jq	0.038	21	pg/g	J	k.sp	EMPC; < PQL		
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	E1668A	73575-53-8	PCB-067 (2,3',4,5'-TeCB)	0.35	Jq	0.088	21	pg/g	J	k.sp	EMPC; < PQL		
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	E1668A	PCB44+47+65	PCBs 44 + 47 + 65	2.4	JB	0.12	62	pg/g	J	bl.sp	MB contamination; < PQL	0.847	4.235 pg/g
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	E1668A	39635-34-2	PCB-162 (2,3,3',4',5,5'-HxCB)	0.62	J	0.14	21	pg/g	J	sp	< PQL		
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	E1668A	61798-70-7	PCB-131 (2,2',3,3',4,6'-HxCB)	0.30	Jq	0.26	21	pg/g	J	k.sp	EMPC; < PQL		
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	E1668A	26914-33-0	Tetrachlorobiphenyl	27	JqB	0.11	210	pg/g	J	k.sp	EMPC; < PQL		
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	E1668A	PCB129+138+163	PCBs 129 + 138 + 163	6.2	JB	0.22	62	pg/g	J	sp	< PQL		
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	E1668A	2136-99-4	PCB-202 (2,2',3,3',5,5',6,6'-OcCB)	3.4	JB	0.076	21	pg/g	J	sp	< PQL		
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	E1668A	38444-73-4	PCB-019 (2,2',6'-TrCB)	0.40	J	0.16	21	pg/g	J	sp	< PQL		
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	E1668A	38444-77-8	PCB-032 (2,4',6'-TrCB)	0.47	J	0.099	21	pg/g	J	sp	< PQL		
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	E1668A	38444-78-9	PCB-016 (2,2',3'-TrCB)	1.4	Jq	0.18	21	pg/g	J	k.sp	EMPC; < PQL		
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	E1668A	PCB21+33	PCBs 21 + 33	3.6	JB	0.18	41	pg/g	J	sp	< PQL		
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	E1668A	PCB49+69	PCBs 49 + 69	1.1	J	0.10	41	pg/g	J	sp	< PQL		
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	E1668A	32598-13-3	PCB-077 (3,3',4,4'-TeCB)	1.4	J	0.13	2.1	pg/g	J	sp	< PQL		
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	E1668A	40186-71-8	PCB-201 (2,2',3,3',4,4',5,6,6'-OcCB)	6.5	J	0.058	21	pg/g	J	sp	< PQL		
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	E1668A	27323-18-8	Monochlorobiphenyl	12	J	0.12	210	pg/g	J	sp	< PQL		
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	E1668A	39635-35-3	PCB-159 (2,3,3',4,5,5'-HxCB)	0.70	J	0.14	21	pg/g	J	sp	< PQL		
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	E1668A	55702-45-9	PCB-024 (2,3,6'-TrCB)	0.20	J	0.11	21	pg/g	J	sp	< PQL		
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	E1668A	41464-42-0	PCB-072 (2,3',5,5'-TeCB)	0.42	J	0.088	21	pg/g	J	sp	< PQL		
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	E1668A	51908-16-8	PCB-146 (2,2',3,4',5,5'-HxCB)	2.3	J	0.22	21	pg/g	J	sp	< PQL		
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	E1668A	52663-59-9	PCB-041 (2,2',3,4'-TeCB)	0.18	J	0.17	21	pg/g	J	sp	< PQL		
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	E1668A	35694-06-5	PCB-137 (2,2',3,4,4',5'-HxCB)	1.1	J	0.21	21	pg/g	J	sp	< PQL		
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	E1668A	33091-17-7	PCB-197 (2,2',3,3',4,4',6,6'-OcCB)	5.3	J	0.052	21	pg/g	J	sp	< PQL		
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	E1668A	38411-22-2	PCB-136 (2,2',3,3',6,6'-HxCB)	0.59	J	0.17	21	pg/g	J	sp	< PQL		
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	E1668A	52663-70-4	PCB-177 (2,2',3,3',4,5',6'-HpCB)	1.3	J	0.36	21	pg/g	J	sp	< PQL		
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	E1668A	52663-67-9	PCB-178 (2,2',3,3',5,5',6'-HpCB)	1.7	J	0.052	21	pg/g	J	sp	< PQL		
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	E1668A	70424-67-8	PCB-057 (2,3,3',5'-TeCB)	0.33	Jq	0.095	21	pg/g	J	k.sp	EMPC; < PQL		
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	E1668A	70362-46-8	PCB-043 (2,2',3,5'-TeCB)	0.32	Jq	0.16	21	pg/g	J	k.sp	EMPC; < PQL		
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	E1668A	15968-05-5	PCB-054 (2,2',6,6'-TeCB)	0.39	J	0.066	21	pg/g	J	sp	< PQL		
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	E1668A	2050-68-2	PCB-015 (4,4'-DiCB)	6.2	J	1.6	21	pg/g	J	sp	< PQL		
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	E1668A	26601-64-9	Hexachlorobiphenyl	43	JqB	0.20	210	pg/g	J	k.sp	EMPC; < PQL		
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	E1668A	37680-69-6	PCB-035 (3,3',4'-TrCB)	0.43	J	0.21	21	pg/g	J	sp	< PQL		
4402208432	RISB-ER-01-10.0-20180925	9/25/2018	E1668A	39635-31-9	PCB-189 (2,3,3',4,4',5,5'-HpCB)	0.17	JB	0.028	2.2	pg/g	J	bl.sp	MB contamination; < PQL	0.0759	0.3795 pg/g

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte ¹	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator ²	Qualification Finding	Acceptance Criteria
4402208432	RISB-ER-01-10.0-20180925	9/25/2018	E1668A	2051-24-3	PCB-209 (DeCB)	3.5	JB	0.011	22	pg/g	J	sp	< PQL		
4402208432	RISB-ER-01-10.0-20180925	9/25/2018	E1668A	38444-85-8	PCB-022 (2,3,4'-TrCB)	0.22	J	0.10	22	pg/g	J	sp	< PQL		
4402208432	RISB-ER-01-10.0-20180925	9/25/2018	E1668A	35065-30-6	PCB-170 (2,2',3,3',4,4',5'-HpCB)	0.17	Jq	0.069	22	pg/g	J	k,sp	EMPC; < PQL		
4402208432	RISB-ER-01-10.0-20180925	9/25/2018	E1668A	38379-99-6	PCB-095 (2,2',3,5',6'-PeCB)	0.57	J	0.25	22	pg/g	J	sp	< PQL		
4402208432	RISB-ER-01-10.0-20180925	9/25/2018	E1668A	52663-73-7	PCB-200 (2,2',3,3',4,5,6,6'-OoCB)	0.035	Jq	0.031	22	pg/g	J	k,sp	EMPC; < PQL		
4402208432	RISB-ER-01-10.0-20180925	9/25/2018	E1668A	52663-64-6	PCB-179 (2,2',3,3',5,6,6'-HpCB)	0.096	Jq	0.034	22	pg/g	J	k,sp	EMPC; < PQL		
4402208432	RISB-ER-01-10.0-20180925	9/25/2018	E1668A	PCB110+115	PCBs 110 + 115	1.2	JB	0.20	44	pg/g	J	bl,sp	MB contamination; < PQL	1.02	5.1 pg/g
4402208432	RISB-ER-01-10.0-20180925	9/25/2018	E1668A	16606-02-3	PCB-031 (2,4',5'-TrCB)	0.38	JqB	0.089	22	pg/g	J	bl,k,sp	MB contamination; EMPC; < PQL	0.207	1.035 pg/g
4402208432	RISB-ER-01-10.0-20180925	9/25/2018	E1668A	PCB61+70+74+76	PCBs 61 + 70 + 74 + 76	0.77	JB	0.081	87	pg/g	J	bl,sp	MB contamination; < PQL	0.571	2.855 pg/g
4402208432	RISB-ER-01-10.0-20180925	9/25/2018	E1668A	35694-08-7	PCB-194 (2,2',3,3',4,4',5,5'-OoCB)	0.10	JqB	0.037	22	pg/g	J	bl,k,sp	MB contamination; EMPC; < PQL	0.0718	0.359 pg/g
4402208432	RISB-ER-01-10.0-20180925	9/25/2018	E1668A	2051-62-9	PCB-003 (4-CB)	0.51	Jq	0.17	22	pg/g	J	k,sp	EMPC; < PQL		
4402208432	RISB-ER-01-10.0-20180925	9/25/2018	E1668A	PCB40+71	PCBs 40 + 71	0.23	J	0.083	44	pg/g	J	sp	< PQL		
4402208432	RISB-ER-01-10.0-20180925	9/25/2018	E1668A	53742-07-7	Nonachlorobiphenyl	2.3	JqB	0.11	220	pg/g	J	k,sp	EMPC; < PQL		
4402208432	RISB-ER-01-10.0-20180925	9/25/2018	E1668A	33979-03-2	PCB-155 (2,2',4,4',6,6'-HxCB)	0.16	Jq	0.096	22	pg/g	J	k,sp	EMPC; < PQL		
4402208432	RISB-ER-01-10.0-20180925	9/25/2018	E1668A	PCB90+101+113	PCBs 90 + 101 + 113	0.94	J	0.22	65	pg/g	J	sp	< PQL		
4402208432	RISB-ER-01-10.0-20180925	9/25/2018	E1668A	40186-72-9	PCB-206 (2,2',3,3',4,4',5,5',6'-NoCB)	0.32	Jq	0.13	22	pg/g	J	k,sp	EMPC; < PQL		
4402208432	RISB-ER-01-10.0-20180925	9/25/2018	E1668A	32598-10-0	PCB-066 (2,3',4,4'-TeCB)	0.25	JqB	0.087	22	pg/g	J	bl,k,sp	MB contamination; EMPC; < PQL	0.318	1.59 pg/g
4402208432	RISB-ER-01-10.0-20180925	9/25/2018	E1668A	PCB198+199	PCBs 198 + 199	0.34	J	0.039	44	pg/g	J	sp	< PQL		
4402208432	RISB-ER-01-10.0-20180925	9/25/2018	E1668A	38380-05-1	PCB-132 (2,2',3,3',4,6'-HxCB)	0.34	Jq	0.16	22	pg/g	J	k,sp	EMPC; < PQL		
4402208432	RISB-ER-01-10.0-20180925	9/25/2018	E1668A	52663-79-3	PCB-207 (2,2',3,3',4,4',5,6,6'-NoCB)	0.93	JB	0.086	22	pg/g	J	bl,sp	MB contamination; < PQL	0.256	1.28 pg/g
4402208432	RISB-ER-01-10.0-20180925	9/25/2018	E1668A	52663-69-1	PCB-183 (2,2',3,4,4',5,6'-HpCB)	0.29	J	0.057	22	pg/g	J	sp	< PQL		
4402208432	RISB-ER-01-10.0-20180925	9/25/2018	E1668A	2050-67-1	PCB-011 (3,3'-DiCB)	4.8	J	1.7	22	pg/g	J	sp	< PQL		
4402208432	RISB-ER-01-10.0-20180925	9/25/2018	E1668A	PCB156+157	PCBs 156 + 157	0.40	Jq	0.12	4.4	pg/g	J	k,sp	EMPC; < PQL		
4402208432	RISB-ER-01-10.0-20180925	9/25/2018	E1668A	32598-14-4	PCB-105 (2,3,3',4,4'-PeCB)	0.63	Jq	0.23	2.2	pg/g	J	k,sp	EMPC; < PQL		
4402208432	RISB-ER-01-10.0-20180925	9/25/2018	E1668A	PCB20+28	PCBs 20 + 28	0.47	JB	0.097	44	pg/g	J	bl,sp	MB contamination; < PQL	0.299	1.495 pg/g
4402208432	RISB-ER-01-10.0-20180925	9/25/2018	E1668A	42740-50-1	PCB-196 (2,2',3,3',4,4',5,6'-OoCB)	0.17	Jq	0.037	22	pg/g	J	k,sp	EMPC; < PQL		
4402208432	RISB-ER-01-10.0-20180925	9/25/2018	E1668A	31508-00-6	PCB-118 (2,3',4,4',5'-PeCB)	1.2	JB	0.23	2.2	pg/g	J	bl,sp	MB contamination; < PQL	0.933	4.665 pg/g
4402208432	RISB-ER-01-10.0-20180925	9/25/2018	E1668A	38411-25-5	PCB-174 (2,2',3,3',4,5,6'-HpCB)	0.19	Jq	0.072	22	pg/g	J	k,sp	EMPC; < PQL		
4402208432	RISB-ER-01-10.0-20180925	9/25/2018	E1668A	52663-72-6	PCB-167 (2,3',4,4',5,5'-HxCB)	0.25	Jq	0.085	2.2	pg/g	J	k,sp	EMPC; < PQL		
4402208432	RISB-ER-01-10.0-20180925	9/25/2018	E1668A	25512-42-9	Dichlorobiphenyl (total)	4.8	J	1.6	220	pg/g	J	sp	< PQL		
4402208432	RISB-ER-01-10.0-20180925	9/25/2018	E1668A	25323-68-6	Trichlorobiphenyl (total)	2.3	JqB	0.12	220	pg/g	J	bl,k,sp	MB contamination; EMPC; < PQL	0.893	4.465 pg/g
4402208432	RISB-ER-01-10.0-20180925	9/25/2018	E1668A	74472-53-0	PCB-205 (2,3,3',4,4',5,5',6'-OoCB)	0.080	Jq	0.027	22	pg/g	J	k,sp	EMPC; < PQL		
4402208432	RISB-ER-01-10.0-20180925	9/25/2018	E1668A	PCB171+173	PCBs 171 + 173	0.14	Jq	0.069	44	pg/g	J	k,sp	EMPC; < PQL		
4402208432	RISB-ER-01-10.0-20180925	9/25/2018	E1668A	38444-90-5	PCB-037 (3,4,4'-TrCB)	0.44	J	0.13	22	pg/g	J	sp	< PQL		
4402208432	RISB-ER-01-10.0-20180925	9/25/2018	E1668A	74472-52-9	PCB-204 (2,2',3,4,4',5,6,6'-OoCB)	0.094	Jq	0.029	22	pg/g	J	k,sp	EMPC; < PQL		
4402208432	RISB-ER-01-10.0-20180925	9/25/2018	E1668A	33025-41-1	PCB-060 (2,3,4,4'-TeCB)	0.20	J	0.089	22	pg/g	J	sp	< PQL		
4402208432	RISB-ER-01-10.0-20180925	9/25/2018	E1668A	35693-99-3	PCB-052 (2,2',5,5'-TeCB)	0.70	JB	0.092	22	pg/g	J	bl,sp	MB contamination; < PQL	0.647	3.235 pg/g
4402208432	RISB-ER-01-10.0-20180925	9/25/2018	E1668A	41464-43-1	PCB-056 (2,2',3,3',4'-TeCB)	0.21	Jq	0.090	22	pg/g	J	k,sp	EMPC; < PQL		
4402208432	RISB-ER-01-10.0-20180925	9/25/2018	E1668A	25429-29-2	PENTACHLOROBIPHENYL	4.5	JqB	0.23	220	pg/g	J	bl,k,sp	MB contamination; EMPC; < PQL	1.96	9.8 pg/g
4402208432	RISB-ER-01-10.0-20180925	9/25/2018	E1668A	52663-68-0	PCB-187 (2,2',3,4',5,5',6'-HpCB)	0.22	J	0.041	22	pg/g	J	sp	< PQL		
4402208432	RISB-ER-01-10.0-20180925	9/25/2018	E1668A	PCB49+69	PCBs 49 + 69	0.28	Jq	0.071	44	pg/g	J	k,sp	EMPC; < PQL		
4402208432	RISB-ER-01-10.0-20180925	9/25/2018	E1668A	PCB21+33	PCBs 21 + 33	0.27	JqB	0.092	44	pg/g	J	bl,k,sp	MB contamination; EMPC; < PQL	0.202	1.01 pg/g
4402208432	RISB-ER-01-10.0-20180925	9/25/2018	E1668A	2051-60-7	PCB-001 (2-CB)	0.80	Jq	0.21	22	pg/g	J	k,sp	EMPC; < PQL		
4402208432	RISB-ER-01-10.0-20180925	9/25/2018	E1668A	2051-61-8	PCB-002 (3-CB)	0.29	Jq	0.16	22	pg/g	J	k,sp	EMPC; < PQL		
4402208432	RISB-ER-01-10.0-20180925	9/25/2018	E1668A	52663-65-7	PCB-176 (2,2',3,3',4,6,6'-HpCB)	0.066	J	0.031	22	pg/g	J	sp	< PQL		
4402208432	RISB-ER-01-10.0-20180925	9/25/2018	E1668A	52663-78-2	PCB-195 (2,2',3,3',4,4',5,6'-OoCB)	0.14	Jq	0.037	22	pg/g	J	k,sp	EMPC; < PQL		
4402208432	RISB-ER-01-10.0-20180925	9/25/2018	E1668A	55722-26-4	Octachlorobiphenyl	1.5	JqB	0.033	220	pg/g	J	k,sp	EMPC; < PQL		
4402208432	RISB-ER-01-10.0-20180925	9/25/2018	E1668A	PCB180+193	PCBs 180 + 193	0.42	JqB	0.054	44	pg/g	J	bl,k,sp	MB contamination; EMPC; < PQL	0.251	1.255 pg/g
4402208432	RISB-ER-01-10.0-20180925	9/25/2018	E1668A	PCB18+30	PCBs 18 + 30	0.49	JB	0.14	44	pg/g	J	bl,sp	MB contamination; < PQL	0.185	0.925 pg/g
4402208432	RISB-ER-01-10.0-20180925	9/25/2018	E1668A	15968-05-5	PCB-054 (2,2',6,6'-TeCB)	0.29	Jq	0.073	22	pg/g	J	k,sp	EMPC; < PQL		
4402208432	RISB-ER-01-10.0-20180925	9/25/2018	E1668A	PCB129+138+163	PCBs 129 + 138 + 163	0.81	JqB	0.13	65	pg/g	J	bl,k,sp	MB contamination; EMPC; < PQL	0.760	3.8 pg/g
4402208432	RISB-ER-01-10.0-20180925	9/25/2018	E1668A	74487-85-7	PCB-188 (2,2',3,4',5,6,6'-HpCB)	0.21	Jq	0.045	22	pg/g	J	k,sp	EMPC; < PQL		
4402208432	RISB-ER-01-10.0-20180925	9/25/2018	E1668A	PCB44+47+65	PCBs 44 + 47 + 65	0.90	JB	0.082	65	pg/g	J	bl,sp	MB contamination; < PQL	0.847	4.235 pg/g
4402208432	RISB-ER-01-10.0-20180925	9/25/2018	E1668A	2136-99-4	PCB-202 (2,2',3,3',5,5',6,6'-OoCB)	0.18	JqB	0.038	22	pg/g	J	bl,k,sp	MB contamination; EMPC; < PQL	0.0411	0.2055 pg/g
4402208432	RISB-ER-01-10.0-20180925	9/25/2018	E1668A	32774-16-6	PCB-169 (3,3',4,4',5,5'-HxCB)	0.16	Jq	0.087	2.2	pg/g	J	k,sp	EMPC; < PQL		
4402208432	RISB-ER-01-10.0-20180925	9/25/2018	E1668A	33091-17-7	PCB-197 (2,2',3,3',4,4',6,6'-OoCB)	0.19	J	0.025	22	pg/g	J	sp	< PQL		

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte ¹	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator ²	Qualification Finding	Acceptance Criteria
4402208432	RISB-ER-01-10.0-20180925	9/25/2018	E1668A	26601-64-9	Hexachlorobiphenyl	3.3	JqB	0.13	220	pg/g	J	bl,k,sp	MB contamination; EMPC; < PQL	0.760	3.8 pg/g
4402208432	RISB-ER-01-10.0-20180925	9/25/2018	E1668A	40186-71-8	PCB-201 (2,2',3,3',4,5',6,6'-OxCB)	0.19	Jq	0.028	22	pg/g	J	k,sp	EMPC; < PQL		
4402208432	RISB-ER-01-10.0-20180925	9/25/2018	E1668A	52663-77-1	PCB-208 (2,2',3,3',4,5',6,6'-NoCB)	1.0	J	0.11	22	pg/g	J	sp	< PQL		
4402208432	RISB-ER-01-10.0-20180925	9/25/2018	E1668A	74472-49-4	PCB-186 (2,2',3,4,5,6,6'-HpCB)	0.050	J	0.033	22	pg/g	J	sp	< PQL		
4402208432	RISB-ER-01-10.0-20180925	9/25/2018	E1668A	PCB153+168	PCBs 153 + 168	0.57	J	0.11	44	pg/g	J	sp	< PQL		
4402208432	RISB-ER-01-10.0-20180925	9/25/2018	E1668A	PCB147+149	PCBs 147 + 149	0.66	J	0.14	44	pg/g	J	sp	< PQL		
4402208432	RISB-ER-01-10.0-20180925	9/25/2018	E1668A	32598-13-3	PCB-077 (3,3',4,4'-TeCB)	0.29	Jq	0.11	2.2	pg/g	J	k,sp	EMPC; < PQL		
4402208432	RISB-ER-01-10.0-20180925	9/25/2018	E1668A	28655-71-2	Heptachlorobiphenyl	2.1	JqB	0.050	220	pg/g	J	k,sp	EMPC; < PQL		
4402208432	RISB-ER-01-10.0-20180925	9/25/2018	E1668A	27323-18-8	Monochlorobiphenyl	1.6	Jq	0.18	220	pg/g	J	k,sp	EMPC; < PQL		
4402208432	RISB-ER-01-10.0-20180925	9/25/2018	E1668A	26914-33-0	Tetrachlorobiphenyl	4.1	JqB	0.086	220	pg/g	J	bl,k,sp	MB contamination; EMPC; < PQL	2.51	12.55 pg/g
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	E1668A	39635-34-2	PCB-162 (2,3,3',4',5,5'-HxCB)	0.71	J	0.12	20	pg/g	J	sp	< PQL		
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	E1668A	38444-78-9	PCB-016 (2,2',3-TrCB)	0.33	J	0.10	20	pg/g	J	sp	< PQL		
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	E1668A	68194-14-9	PCB-144 (2,2',3,4,5',6-HxCB)	0.83	J	0.097	20	pg/g	J	sp	< PQL		
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	E1668A	52663-76-0	PCB-203 (2,2',3,4,4',5,5',6-OxCB)	3.8	J	0.058	20	pg/g	J	sp	< PQL		
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	E1668A	52663-68-0	PCB-187 (2,2',3,4',5,5',6-HpCB)	3.4	JB	0.025	20	pg/g	J	sp	< PQL		
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	E1668A	52663-58-8	PCB-064 (2,3,4',6-TeCB)	0.27	JB	0.029	20	pg/g	J	bl,sp	MB contamination; < PQL	0.105	0.525 pg/g
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	E1668A	41464-47-5	PCB-046 (2,2',3,6'-TeCB)	0.14	J	0.050	20	pg/g	J	sp	< PQL		
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	E1668A	73575-52-7	PCB-068 (2,3',4,5'-TeCB)	0.32	JqB	0.057	20	pg/g	J	bl,k,sp	MB contamination; EMPC; < PQL	0.114	0.57 pg/g
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	E1668A	74338-23-1	PCB-073 (2,3',5',6-TeCB)	0.096	J	0.031	20	pg/g	J	sp	< PQL		
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	E1668A	74338-24-2	PCB-055 (2,3,3',4-TeCB)	0.22	J	0.067	20	pg/g	J	sp	< PQL		
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	E1668A	74472-52-9	PCB-204 (2,2',3,4,4',5,6,6'-OxCB)	4.3	J	0.047	20	pg/g	J	sp	< PQL		
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	E1668A	74472-48-3	PCB-184 (2,2',3,4,4',6,6'-HpCB)	3.3	J	0.021	20	pg/g	J	sp	< PQL		
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	E1668A	PCB147+149	PCBs 147 + 149	2.6	JB	0.098	41	pg/g	J	sp	< PQL		
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	E1668A	PCB26+29	PCBs 26 + 29	0.53	J	0.071	41	pg/g	J	sp	< PQL		
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	E1668A	38444-77-8	PCB-032 (2,4',6-TrCB)	0.20	J	0.055	20	pg/g	J	sp	< PQL		
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	E1668A	70424-67-8	PCB-057 (2,3,3',5-TeCB)	0.23	J	0.066	20	pg/g	J	sp	< PQL		
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	E1668A	PCB153+168	PCBs 153 + 168	3.1	JB	0.076	41	pg/g	J	sp	< PQL		
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	E1668A	74472-49-4	PCB-186 (2,2',3,4,5,6,6'-HpCB)	0.46	J	0.020	20	pg/g	J	sp	< PQL		
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	E1668A	65510-44-3	PCB-123 (2,3',4,4',5'-PeCB)	0.40	J	0.18	2.0	pg/g	J	sp	< PQL		
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	E1668A	70362-46-8	PCB-043 (2,2',3,5-TeCB)	0.21	J	0.052	20	pg/g	J	sp	< PQL		
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	E1668A	PCB86-125	PCBs 86 + 87 + 97 + 108 + 119 + 125	2.9	JB	0.17	120	pg/g	J	sp	< PQL		
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	E1668A	52704-70-8M	PCB-134/143	0.62	J	0.11	41	pg/g	J	sp	< PQL		
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	E1668A	PCB88+91	PCB-88/91	0.69	J	0.18	41	pg/g	J	sp	< PQL		
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	E1668A	52663-67-9	PCB-178 (2,2',3,3',5,5',6-HpCB)	2.0	J	0.027	20	pg/g	J	sp	< PQL		
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	E1668A	60145-22-4	PCB-154 (2,2',4,4',5,6'-HxCB)	0.95	J	0.088	20	pg/g	J	sp	< PQL		
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	E1668A	52663-70-4	PCB-177 (2,2',3,3',4,5',6'-HpCB)	0.92	J	0.39	20	pg/g	J	sp	< PQL		
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	E1668A	74472-42-7	PCB-158 (2,3,3',4,4',6-HxCB)	0.94	J	0.070	20	pg/g	J	sp	< PQL		
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	E1668A	38444-73-4	PCB-019 (2,2',6-TrCB)	0.17	J	0.10	20	pg/g	J	sp	< PQL		
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	E1668A	73575-53-8	PCB-067 (2,3',4,5-TeCB)	0.27	J	0.060	20	pg/g	J	sp	< PQL		
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	E1668A	PCB44+47+65	PCBs 44 + 47 + 65	1.4	JB	0.040	61	pg/g	J	bl,sp	MB contamination; < PQL	0.764	3.82 pg/g
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	E1668A	PCB129+138+163	PCBs 129 + 138 + 163	3.8	JB	0.092	61	pg/g	J	sp	< PQL		
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	E1668A	32598-13-3	PCB-077 (3,3',4,4'-TeCB)	0.69	J	0.089	2.0	pg/g	J	sp	< PQL		
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	E1668A	27323-18-8	Monochlorobiphenyl	2.5	J	0.14	200	pg/g	J	sp	< PQL		
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	E1668A	26914-33-0	Tetrachlorobiphenyl	15	JqB	0.054	200	pg/g	J	bl,k,sp	MB contamination; EMPC; < PQL	3.03	15.15 pg/g
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	E1668A	28655-71-2	Heptachlorobiphenyl	41	JB	0.19	200	pg/g	J	sp	< PQL		
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	E1668A	2136-99-4	PCB-202 (2,2',3,3',5,5',6,6'-OxCB)	3.9	JB	0.056	20	pg/g	J	sp	< PQL		
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	E1668A	61798-70-7	PCB-131 (2,2',3,3',4,6-HxCB)	0.37	J	0.11	20	pg/g	J	sp	< PQL		
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	E1668A	2051-61-8	PCB-002 (3-CB)	0.78	J	0.13	20	pg/g	J	sp	< PQL		
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	E1668A	74487-85-7	PCB-188 (2,2',3,4',5,6,6'-HpCB)	1.7	JB	0.020	20	pg/g	J	sp	< PQL		
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	E1668A	74472-41-6	PCB-148 (2,2',3,4',5,6'-HxCB)	1.1	J	0.10	20	pg/g	J	sp	< PQL		
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	E1668A	73575-54-9	PCB-096 (2,2',3,6,6'-PeCB)	0.11	J	0.023	20	pg/g	J	sp	< PQL		
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	E1668A	32598-14-4	PCB-105 (2,3,3',4,4'-PeCB)	1.5	JB	0.18	2.0	pg/g	J	sp	< PQL		
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	E1668A	38444-87-0	PCB-036 (3,3',5-TrCB)	0.39	J	0.072	20	pg/g	J	sp	< PQL		
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	E1668A	38444-90-5	PCB-037 (3,4,4'-TrCB)	1.1	JB	0.095	20	pg/g	J	sp	< PQL		
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	E1668A	PCB18+30	PCBs 18 + 30	0.50	J	0.065	41	pg/g	J	sp	< PQL		
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	E1668A	2051-60-7	PCB-001 (2-CB)	0.83	J	0.15	20	pg/g	J	sp	< PQL		

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte ¹	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator ²	Qualification Finding	Acceptance Criteria
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	E1668A	PCB49+69	PCBs 49 + 69	0.71	JB	0.035	41	pg/g	J	bl,sp	MB contamination; < PQL	0.185	0.925 pg/g
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	E1668A	52663-65-7	PCB-176 (2,2',3,3',4,6,6'-HpCB)	1.6	J	0.019	20	pg/g	J	sp	< PQL		
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	E1668A	53555-66-1	PCB-038 (3,4,5-TrCB)	0.20	J	0.080	20	pg/g	J	sp	< PQL		
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	E1668A	52663-78-2	PCB-195 (2,2',3,3',4,4',5,6-OcCB)	1.6	J	0.061	20	pg/g	J	sp	< PQL		
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	E1668A	70362-50-4	PCB-081 (3,4,4',5-TeCB)	0.47	J	0.095	2.0	pg/g	J	sp	< PQL		
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	E1668A	68194-08-1	PCB-150 (2,2',3,4',6,6'-HxCB)	0.48	J	0.067	20	pg/g	J	sp	< PQL		
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	E1668A	70362-49-1	PCB-078 (3,3',4,5-TeCB)	0.25	J	0.077	20	pg/g	J	sp	< PQL		
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	E1668A	68194-04-7	PCB-051 (2,2',4,6'-TeCB)	0.14	J	0.039	20	pg/g	J	sp	< PQL		
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	E1668A	41411-61-4	PCB-142 (2,2',3,4,5,6-HxCB)	0.62	J	0.11	20	pg/g	J	sp	< PQL		
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	E1668A	55712-37-3	PCB-025 (2,3',4-TrCB)	0.32	J	0.071	20	pg/g	J	sp	< PQL		
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	E1668A	35693-99-3	PCB-052 (2,2',5,5'-TeCB)	1.3	JB	0.045	20	pg/g	J	bl,sp	MB contamination; < PQL	0.591	2.955 pg/g
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	E1668A	41464-43-1	PCB-056 (2,3,3',4'-TeCB)	0.56	JB	0.070	20	pg/g	J	bl,sp	MB contamination; < PQL	0.150	0.75 pg/g
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	E1668A	38444-88-1	PCB-039 (3,4',5-TrCB)	0.48	J	0.073	20	pg/g	J	sp	< PQL		
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	E1668A	41411-62-5	PCB-160 (2,3,3',4,5,6-HxCB)	0.81	J	0.073	20	pg/g	J	sp	< PQL		
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	E1668A	35694-04-3	PCB-133 (2,2',3,3',5,5'-HxCB)	0.91	J	0.11	20	pg/g	J	sp	< PQL		
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	E1668A	36559-22-5	PCB-042 (2,2',3,4'-TeCB)	0.27	J	0.045	20	pg/g	J	sp	< PQL		
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	E1668A	25429-29-2	PENTACHLOROBIPHENYL	25	JqB	0.17	200	pg/g	J	k,sp	EMPC; < PQL		
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	E1668A	PCB139+140	PCBs 139 + 140	0.82	J	0.094	41	pg/g	J	sp	< PQL		
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	E1668A	56558-18-0	PCB-121 (2,3',4,5',6-PeCB)	0.33	J	0.14	20	pg/g	J	sp	< PQL		
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	E1668A	PCB180+193	PCBs 180 + 193	5.2	JB	0.30	41	pg/g	J	sp	< PQL		
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	E1668A	52663-60-2	PCB-084 (2,2',3,3',6-PeCB)	0.45	J	0.22	20	pg/g	J	sp	< PQL		
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	E1668A	74472-37-0	PCB-114 (2,3,4,4',5-PeCB)	0.71	J	0.18	2.0	pg/g	J	sp	< PQL		
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	E1668A	15968-05-5	PCB-054 (2,2',6,6'-TeCB)	0.11	JB	0.019	20	pg/g	J	bl,sp	MB contamination; < PQL	0.0849	0.4245 pg/g
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	E1668A	PCB21+33	PCBs 21 + 33	0.62	JB	0.071	41	pg/g	J	bl,sp	MB contamination; < PQL	0.248	1.24 pg/g
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	E1668A	74472-35-8	PCB-109 (2,3,3',4,6-PeCB)	0.76	J	0.15	20	pg/g	J	sp	< PQL		
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	E1668A	PCB85+116+117	PCBs 85 + 116 + 117	1.7	J	0.17	61	pg/g	J	sp	< PQL		
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	E1668A	33025-41-1	PCB-060 (2,3,4,4'-TeCB)	0.24	J	0.069	20	pg/g	J	sp	< PQL		
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	E1668A	70424-69-0	PCB-106 (2,3,3',4,5-PeCB)	1.1	J	0.16	20	pg/g	J	sp	< PQL		
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	E1668A	PCB128+166	PCBs 128 + 166	1.1	J	0.084	41	pg/g	J	sp	< PQL		
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	E1668A	38379-99-6	PCB-095 (2,2',3,5',6-PeCB)	1.3	JB	0.19	20	pg/g	J	bl,sp	MB contamination; < PQL	0.465	2.325 pg/g
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	E1668A	74472-40-5	PCB-145 (2,2',3,4,6,6'-HxCB)	0.28	J	0.071	20	pg/g	J	sp	< PQL		
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	E1668A	25512-42-9	Dichlorobiphenyl (total)	3.9	JB	1.1	200	pg/g	J	bl,sp	MB contamination; < PQL	5.51	27.55 pg/g
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	E1668A	25523-68-6	Trichlorobiphenyl (total)	8.4	JqB	0.075	200	pg/g	J	k,sp	EMPC; < PQL		
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	E1668A	PCB171+173	PCBs 171 + 173	3.0	J	0.38	41	pg/g	J	sp	< PQL		
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	E1668A	PCB135+151	PCBs 135 + 151	2.0	J	0.10	41	pg/g	J	sp	< PQL		
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	E1668A	PCB50+53	PCBs 50 + 53	0.20	J	0.038	41	pg/g	J	sp	< PQL		
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	E1668A	74472-50-7	PCB-191 (2,3,3',4,4',5',6-HpCB)	0.85	J	0.27	20	pg/g	J	sp	< PQL		
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	E1668A	74472-46-1	PCB-165 (2,3,3',5,5',6-HxCB)	0.49	J	0.079	20	pg/g	J	sp	< PQL		
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	E1668A	52663-72-6	PCB-167 (2,3',4,4',5,5'-HxCB)	1.4	JB	0.12	2.0	pg/g	J	sp	< PQL		
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	E1668A	PCB40+71	PCBs 40 + 71	0.83	J	0.040	41	pg/g	J	sp	< PQL		
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	E1668A	PCB93+100	PCBs 93 + 100	0.46	J	0.18	41	pg/g	J	sp	< PQL		
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	E1668A	PCB110+115	PCBs 110 + 115	2.7	JB	0.15	41	pg/g	J	bl,sp	MB contamination; < PQL	0.644	3.22 pg/g
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	E1668A	PCB107+124	PCBs 107 + 124	0.62	J	0.16	41	pg/g	J	sp	< PQL		
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	E1668A	38444-85-8	PCB-022 (2,3,4'-TrCB)	0.43	J	0.079	20	pg/g	J	sp	< PQL		
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	E1668A	39635-32-0	PCB-111 (2,3,3',5,5'-PeCB)	0.71	J	0.15	20	pg/g	J	sp	< PQL		
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	E1668A	35065-30-6	PCB-170 (2,2',3,3',4,4',5-HpCB)	1.5	JB	0.39	20	pg/g	J	sp	< PQL		
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	E1668A	74472-53-0	PCB-205 (2,3,3',4,4',5,5',6-OcCB)	3.1	J	0.048	20	pg/g	J	sp	< PQL		
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	E1668A	74472-45-0	PCB-164 (2,3,3',4,4',5,6-HxCB)	0.86	J	0.079	20	pg/g	J	sp	< PQL		
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	E1668A	26601-64-9	Hexachlorobiphenyl	36	JB	0.096	200	pg/g	J	sp	< PQL		
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	E1668A	74472-43-8	PCB-161 (2,3,3',4,5',6-HxCB)	0.69	J	0.076	20	pg/g	J	sp	< PQL		
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	E1668A	38380-05-1	PCB-132 (2,2',3,3',4,6'-HxCB)	0.94	JB	0.11	20	pg/g	J	sp	< PQL		
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	E1668A	39635-33-1	PCB-127 (3,3',4,5',5'-PeCB)	0.43	J	0.16	20	pg/g	J	sp	< PQL		
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	E1668A	41464-48-6	PCB-079 (3,3',4,5'-TeCB)	0.47	J	0.067	20	pg/g	J	sp	< PQL		
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	E1668A	52663-69-1	PCB-183 (2,2',3,4,4',5',6-HpCB)	2.7	JB	0.32	20	pg/g	J	sp	< PQL		
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	E1668A	70362-47-9	PCB-048 (2,2',4,5-TeCB)	0.32	J	0.042	20	pg/g	J	sp	< PQL		
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	E1668A	74472-51-8	PCB-192 (2,3,3',4,5,5',6-HpCB)	0.69	J	0.28	20	pg/g	J	sp	< PQL		

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte ¹	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator ²	Qualification Finding	Acceptance Criteria
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	E1668A	74472-36-9	PCB-112 (2,3,3',5,6-PeCB)	0.18	Jq	0.15	20	pg/g	J	k,sp	EMPC; < PQL		
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	E1668A	PCB20+28	PCBs 20 + 28	1.1	JB	0.074	41	pg/g	J	bl,sp	MB contamination; < PQL	0.506	2.53 pg/g
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	E1668A	PCB156+157	PCBs 156 + 157	1.7	J	0.19	4.1	pg/g	J	sp	< PQL		
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	E1668A	PCB198+199	PCBs 198 + 199	9.5	JB	0.064	41	pg/g	J	sp	< PQL		
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	E1668A	PCB59+62+75	PCBs 59 + 62 + 75	0.61	J	0.030	61	pg/g	J	sp	< PQL		
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	E1668A	41464-49-7	PCB-058 (2,3,3',5'-TeCB)	0.18	J	0.064	20	pg/g	J	sp	< PQL		
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	E1668A	42740-50-1	PCB-196 (2,2',3,3',4,4',5,6'-OoCB)	7.3	J	0.061	20	pg/g	J	sp	< PQL		
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	E1668A	38411-25-5	PCB-174 (2,2',3,3',4,5,6'-HpCB)	2.2	JB	0.40	20	pg/g	J	sp	< PQL		
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	E1668A	52663-61-3	PCB-092 (2,2',3,5,5'-PeCB)	0.73	J	0.20	20	pg/g	J	sp	< PQL		
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	E1668A	68194-09-2	PCB-152 (2,2',3,5,6,6'-HxCB)	0.20	J	0.068	20	pg/g	J	sp	< PQL		
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	E1668A	39635-35-3	PCB-159 (2,3,3',4,5,5'-HxCB)	0.74	J	0.12	20	pg/g	J	sp	< PQL		
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	E1668A	56558-16-8	PCB-104 (2,2',4,6,6'-PeCB)	0.18	JB	0.023	20	pg/g	J	sp	< PQL		
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	E1668A	55722-26-4	Octachlorobiphenyl	55	JB	0.054	200	pg/g	J	sp	< PQL		
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	E1668A	60145-23-5	PCB-182 (2,2',3,4,4',5,6'-HpCB)	1.6	J	0.024	20	pg/g	J	sp	< PQL		
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	E1668A	60145-21-3	PCB-103 (2,2',4,5',6-PeCB)	0.30	J	0.17	20	pg/g	J	sp	< PQL		
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	E1668A	70362-45-7	PCB-045 (2,2',3,6-TeCB)	0.11	Jq	0.047	20	pg/g	J	k,sp	EMPC; < PQL		
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	E1668A	68194-12-7	PCB-120 (2,3',4,5,5'-PeCB)	0.62	J	0.15	20	pg/g	J	sp	< PQL		
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	E1668A	37680-66-3	PCB-017 (2,2',4-TrCB)	0.28	J	0.076	20	pg/g	J	sp	< PQL		
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	E1668A	32598-10-0	PCB-066 (2,3',4,4'-TeCB)	1.1	JB	0.068	20	pg/g	J	bl,sp	MB contamination; < PQL	0.281	1.405 pg/g
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	E1668A	74472-34-7	PCB-063 (2,3',4',5-TeCB)	0.21	J	0.058	20	pg/g	J	sp	< PQL		
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	E1668A	PCB61+70+74+76	PCBs 61 + 70 + 74 + 76	2.3	JB	0.064	82	pg/g	J	bl,sp	MB contamination; < PQL	0.544	2.72 pg/g
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	E1668A	41464-42-0	PCB-072 (2,3',5,5'-TeCB)	0.35	J	0.061	20	pg/g	J	sp	< PQL		
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	E1668A	51908-16-8	PCB-146 (2,2',3,4',5,5'-HxCB)	2.2	JB	0.093	20	pg/g	J	sp	< PQL		
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	E1668A	52663-59-9	PCB-041 (2,2',3,4-TeCB)	0.18	JB	0.057	20	pg/g	J	bl,sp	MB contamination; < PQL	0.212	1.06 pg/g
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	E1668A	35694-06-5	PCB-137 (2,2',3,4,4',5-HxCB)	1.0	J	0.088	20	pg/g	J	sp	< PQL		
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	E1668A	33091-17-7	PCB-197 (2,2',3,3',4,4',6,6'-OoCB)	6.6	J	0.041	20	pg/g	J	sp	< PQL		
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	E1668A	38411-22-2	PCB-136 (2,2',3,3',6,6'-HxCB)	0.54	JB	0.073	20	pg/g	J	sp	< PQL		
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	E1668A	37680-69-6	PCB-035 (3,3',4-TrCB)	0.44	J	0.082	20	pg/g	J	sp	< PQL		
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	E1668A	2050-68-2	PCB-015 (4,4'-DiCB)	3.9	J	0.82	20	pg/g	J	sp	< PQL		
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	E1668A	PCB90+101+113	PCBs 90 + 101 + 113	2.5	JB	0.17	61	pg/g	J	bl,sp	MB contamination; < PQL	0.612	3.06 pg/g
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	E1668A	16606-02-3	PCB-031 (2,4',5-TrCB)	1.1	JB	0.069	20	pg/g	J	bl,sp	MB contamination; < PQL	0.305	1.525 pg/g
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	E1668A	52663-73-7	PCB-200 (2,2',3,3',4,5,6,6'-OoCB)	2.7	J	0.051	20	pg/g	J	sp	< PQL		
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	E1668A	40186-71-8	PCB-201 (2,2',3,3',4,5',6,6'-OoCB)	8.2	J	0.046	20	pg/g	J	sp	< PQL		
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	E1668A	35694-08-7	PCB-194 (2,2',3,3',4,4',5,5'-OoCB)	3.7	J	0.061	20	pg/g	J	sp	< PQL		
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	E1668A	52663-64-6	PCB-179 (2,2',3,3',5,6,6'-HpCB)	1.7	J	0.020	20	pg/g	J	sp	< PQL		
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	E1668A	52663-74-8	PCB-172 (2,2',3,3',4,5,5'-HpCB)	2.3	J	0.38	20	pg/g	J	sp	< PQL		
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	E1668A	52663-66-8	PCB-130 (2,2',3,3',4,5'-HxCB)	1.3	J	0.12	20	pg/g	J	sp	< PQL		
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	E1668A	57465-28-8	PCB-126 (3,3',4,4',5-PeCB)	0.52	J	0.18	2.0	pg/g	J	sp	< PQL		
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	E1668A	74472-47-2	PCB-181 (2,2',3,4,4',5,6-HpCB)	0.71	J	0.34	20	pg/g	J	sp	< PQL		
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	E1668A	52712-05-7	PCB-185 (2,2',3,4,5,5',6-HpCB)	0.66	J	0.34	20	pg/g	J	sp	< PQL		
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	E1668A	33284-52-5	PCB-080 (3,3',5,5'-TeCB)	0.24	J	0.059	20	pg/g	J	sp	< PQL		
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	E1668A	52712-04-6	PCB-141 (2,2',3,4,5,5'-HxCB)	1.3	J	0.10	20	pg/g	J	sp	< PQL		
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	E1668A	33979-03-2	PCB-155 (2,2',4,4',6,6'-HxCB)	0.57	J	0.056	20	pg/g	J	sp	< PQL		
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	E1668A	53742-07-7	Nonachlorobiphenyl	110	J	0.14	200	pg/g	J	sp	< PQL		
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	E1668A	39635-31-9	PCB-189 (2,3,3',4,4',5,5'-HpCB)	1.6	JB	0.038	2.0	pg/g	J	sp	< PQL		
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	E1668A	40186-70-7	PCB-175 (2,2',3,3',4,5',6-HpCB)	2.6	J	0.026	20	pg/g	J	sp	< PQL		
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	E1668A	38380-01-7	PCB-099 (2,2',4,4',5-PeCB)	1.0	JB	0.17	20	pg/g	J	sp	< PQL		
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	E1668A	2051-62-9	PCB-003 (4-CB)	0.89	J	0.14	20	pg/g	J	sp	< PQL		
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	E1668A	32598-10-0	PCB-066 (2,3',4,4'-TeCB)	0.42	JB	0.10	21	pg/g	J	bl,sp	MB contamination; < PQL	0.318	1.59 pg/g
4402208432	RISB-ER-03-10.0-20180925	9/25/2018	E1668A	PCB156+157	PCBs 156 + 157	0.42	J	0.15	4.3	pg/g	J	sp	< PQL		
4402208432	RISB-ER-03-10.0-20180925	9/25/2018	E1668A	35694-08-7	PCB-194 (2,2',3,3',4,4',5,5'-OoCB)	0.11	JqB	0.056	21	pg/g	J	bl,k,sp	MB contamination; EMPC; < PQL	0.0718	0.359 pg/g
4402208432	RISB-ER-03-10.0-20180925	9/25/2018	E1668A	PCB61+70+74+76	PCBs 61 + 70 + 74 + 76	0.73	JB	0.097	86	pg/g	J	bl,sp	MB contamination; < PQL	0.571	2.855 pg/g
4402208432	RISB-ER-03-10.0-20180925	9/25/2018	E1668A	16606-02-3	PCB-031 (2,4',5-TrCB)	0.39	JqB	0.11	21	pg/g	J	bl,k,sp	MB contamination; EMPC; < PQL	0.207	1.035 pg/g
4402208432	RISB-ER-03-10.0-20180925	9/25/2018	E1668A	2051-24-3	PCB-209 (DeCB)	3.0	JB	0.020	21	pg/g	J	sp	< PQL		
4402208432	RISB-ER-03-10.0-20180925	9/25/2018	E1668A	38444-85-8	PCB-022 (2,3,4-TrCB)	0.27	Jq	0.13	21	pg/g	J	k,sp	EMPC; < PQL		
4402208432	RISB-ER-03-10.0-20180925	9/25/2018	E1668A	PCB110+115	PCBs 110 + 115	1.1	JqB	0.27	43	pg/g	J	bl,k,sp	MB contamination; EMPC; < PQL	1.02	5.1 pg/g

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte ¹	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator ²	Qualification Finding	Acceptance Criteria
4402208432	RISB-ER-03-10.0-20180925	9/25/2018	E1668A	53742-07-7	Nonachlorobiphenyl	1.8	JqB	0.13	210	pg/g	J	k.sp	EMPC; < PQL		
4402208432	RISB-ER-03-10.0-20180925	9/25/2018	E1668A	PCB20+28	PCBs 20 + 28	0.48	JqB	0.12	43	pg/g	J	bl,k.sp	MB contamination; EMPC; < PQL	0.299	1.495 pg/g
4402208432	RISB-ER-03-10.0-20180925	9/25/2018	E1668A	25512-42-9	Dichlorobiphenyl (total)	2.9	Jq	1.8	210	pg/g	J	k.sp	EMPC; < PQL		
4402208432	RISB-ER-03-10.0-20180925	9/25/2018	E1668A	38411-25-5	PCB-174 (2,2',3,3',4,4',5,6'-HpCB)	0.11	Jq	0.082	21	pg/g	J	k.sp	EMPC; < PQL		
4402208432	RISB-ER-03-10.0-20180925	9/25/2018	E1668A	42740-50-1	PCB-196 (2,2',3,3',4,4',5,6'-OxCB)	0.16	Jq	0.057	21	pg/g	J	k.sp	EMPC; < PQL		
4402208432	RISB-ER-03-10.0-20180925	9/25/2018	E1668A	40186-72-9	PCB-206 (2,2',3,3',4,4',5,6'-NoCB)	0.28	Jq	0.16	21	pg/g	J	k.sp	EMPC; < PQL		
4402208432	RISB-ER-03-10.0-20180925	9/25/2018	E1668A	2050-67-1	PCB-011 (3,3'-DiCB)	2.9	Jq	1.9	21	pg/g	J	k.sp	EMPC; < PQL		
4402208432	RISB-ER-03-10.0-20180925	9/25/2018	E1668A	52663-79-3	PCB-207 (2,2',3,3',4,4',5,6,6'-NoCB)	0.78	JB	0.11	21	pg/g	J	bl.sp	MB contamination; < PQL	0.256	1.28 pg/g
4402208432	RISB-ER-03-10.0-20180925	9/25/2018	E1668A	PCB40+71	PCBs 40 + 71	0.16	Jq	0.11	43	pg/g	J	k.sp	EMPC; < PQL		
4402208432	RISB-ER-03-10.0-20180925	9/25/2018	E1668A	55722-26-4	Octachlorobiphenyl	0.57	JqB	0.050	210	pg/g	J	k.sp	EMPC; < PQL		
4402208432	RISB-ER-03-10.0-20180925	9/25/2018	E1668A	52663-69-1	PCB-183 (2,2',3,4,4',5',6'-HpCB)	0.22	J	0.065	21	pg/g	J	sp	< PQL		
4402208432	RISB-ER-03-10.0-20180925	9/25/2018	E1668A	PCB18+30	PCBs 18 + 30	0.50	JB	0.16	43	pg/g	J	bl.sp	MB contamination; < PQL	0.185	0.925 pg/g
4402208432	RISB-ER-03-10.0-20180925	9/25/2018	E1668A	25323-68-6	Trichlorobiphenyl (total)	1.9	JqB	0.14	210	pg/g	J	bl,k.sp	MB contamination; EMPC; < PQL	0.893	4.465 pg/g
4402208432	RISB-ER-03-10.0-20180925	9/25/2018	E1668A	PCB44+47+65	PCBs 44 + 47 + 65	0.68	JqB	0.11	64	pg/g	J	bl,k.sp	MB contamination; EMPC; < PQL	0.445	2.225 pg/g
4402208432	RISB-ER-03-10.0-20180925	9/25/2018	E1668A	PCB180+193	PCBs 180 + 193	0.26	JqB	0.061	43	pg/g	J	bl,k.sp	MB contamination; EMPC; < PQL	0.251	1.255 pg/g
4402208432	RISB-ER-03-10.0-20180925	9/25/2018	E1668A	PCB21+33	PCBs 21 + 33	0.22	JqB	0.12	43	pg/g	J	bl,k.sp	MB contamination; EMPC; < PQL	0.202	1.01 pg/g
4402208432	RISB-ER-03-10.0-20180925	9/25/2018	E1668A	25299-29-2	PENTACHLOROBIPHENYL	1.1	JqB	0.31	210	pg/g	J	bl,k.sp	MB contamination; EMPC; < PQL	1.96	9.8 pg/g
4402208432	RISB-ER-03-10.0-20180925	9/25/2018	E1668A	41464-43-1	PCB-056 (2,3,3',4'-TeCB)	0.13	Jq	0.11	21	pg/g	J	k.sp	EMPC; < PQL		
4402208432	RISB-ER-03-10.0-20180925	9/25/2018	E1668A	35693-99-3	PCB-052 (2,2',5,5'-TeCB)	0.58	JqB	0.12	21	pg/g	J	bl,k.sp	MB contamination; EMPC; < PQL	0.647	3.235 pg/g
4402208432	RISB-ER-03-10.0-20180925	9/25/2018	E1668A	52663-68-0	PCB-187 (2,2',3,4',5,5',6'-HpCB)	0.16	Jq	0.056	21	pg/g	J	k.sp	EMPC; < PQL		
4402208432	RISB-ER-03-10.0-20180925	9/25/2018	E1668A	52663-76-0	PCB-203 (2,2',3,4,4',5,5',6'-OxCB)	0.11	Jq	0.054	21	pg/g	J	k.sp	EMPC; < PQL		
4402208432	RISB-ER-03-10.0-20180925	9/25/2018	E1668A	28655-71-2	Heptachlorobiphenyl	0.75	JqB	0.061	210	pg/g	J	bl,k.sp	MB contamination; EMPC; < PQL	0.327	1.635 pg/g
4402208432	RISB-ER-03-10.0-20180925	9/25/2018	E1668A	PCB153+168	PCBs 153 + 168	0.58	J	0.14	43	pg/g	J	sp	< PQL		
4402208432	RISB-ER-03-10.0-20180925	9/25/2018	E1668A	PCB147+149	PCBs 147 + 149	0.43	Jq	0.18	43	pg/g	J	k.sp	EMPC; < PQL		
4402208432	RISB-ER-03-10.0-20180925	9/25/2018	E1668A	52663-77-1	PCB-208 (2,2',3,3',4,5,5',6,6'-NoCB)	0.72	J	0.13	21	pg/g	J	sp	< PQL		
4402208432	RISB-ER-03-10.0-20180925	9/25/2018	E1668A	26601-64-9	Hexachlorobiphenyl	2.3	JqB	0.15	210	pg/g	J	bl,k.sp	MB contamination; EMPC; < PQL	0.760	3.8 pg/g
4402208432	RISB-ER-03-10.0-20180925	9/25/2018	E1668A	33091-17-7	PCB-197 (2,2',3,3',4,4',6,6'-OxCB)	0.096	J	0.038	21	pg/g	J	sp	< PQL		
4402208432	RISB-ER-03-10.0-20180925	9/25/2018	E1668A	PCB129+138+163	PCBs 129 + 138 + 163	0.78	JB	0.17	64	pg/g	J	bl.sp	MB contamination; < PQL	0.760	3.8 pg/g
4402208432	RISB-ER-03-10.0-20180925	9/25/2018	E1668A	26914-33-0	Tetrachlorobiphenyl	3.0	JqB	0.11	210	pg/g	J	bl,k.sp	MB contamination; EMPC; < PQL	2.51	12.55 pg/g
4402208432	RISB-ER-03-10.0-20180925	9/25/2018	E1668A	PCB49+69	PCBs 49 + 69	0.27	J	0.094	43	pg/g	J	sp	< PQL		
4402208432	RISB-ER-03-10.0-20180925	9/25/2018	E1668A	40186-71-8	PCB-201 (2,2',3,3',4,5',6,6'-OxCB)	0.091	Jq	0.043	21	pg/g	J	k.sp	EMPC; < PQL		
4402209512	RISB-EJ-01-1.0-20180926	9/26/2018	E1668A	39635-31-9	PCB-189 (2,3,3',4,4',5,5'-HpCB)	0.38	JB	0.042	2.0	pg/g	J	sp	< PQL		
4402209512	RISB-EJ-01-1.0-20180926	9/26/2018	E1668A	52663-73-7	PCB-200 (2,2',3,3',4,5,6,6'-OxCB)	0.43	J	0.041	20	pg/g	J	sp	< PQL		
4402209512	RISB-EJ-01-1.0-20180926	9/26/2018	E1668A	52663-64-6	PCB-179 (2,2',3,3',5,6,6'-HpCB)	0.25	Jq	0.047	20	pg/g	J	k.sp	EMPC; < PQL		
4402209512	RISB-EJ-01-1.0-20180926	9/26/2018	E1668A	74472-53-0	PCB-205 (2,3,3',4,4',5,5',6'-OxCB)	0.54	J	0.040	20	pg/g	J	sp	< PQL		
4402209512	RISB-EJ-01-1.0-20180926	9/26/2018	E1668A	PCB61+70+74+76	PCBs 61 + 70 + 74 + 76	0.87	JB	0.13	81	pg/g	J	bl.sp	MB contamination; < PQL	0.571	2.855 pg/g
4402209512	RISB-EJ-01-1.0-20180926	9/26/2018	E1668A	32598-10-0	PCB-066 (2,3',4,4'-TeCB)	0.33	JqB	0.14	20	pg/g	J	bl,k.sp	MB contamination; EMPC; < PQL	0.318	1.59 pg/g
4402209512	RISB-EJ-01-1.0-20180926	9/26/2018	E1668A	35694-08-7	PCB-194 (2,2',3,3',4,4',5,5'-OxCB)	0.73	JqB	0.053	20	pg/g	J	k.sp	EMPC; < PQL		
4402209512	RISB-EJ-01-1.0-20180926	9/26/2018	E1668A	40186-70-7	PCB-175 (2,2',3,3',4,5',6'-HpCB)	0.45	J	0.060	20	pg/g	J	sp	< PQL		
4402209512	RISB-EJ-01-1.0-20180926	9/26/2018	E1668A	55722-26-4	Octachlorobiphenyl	11	JqB	0.045	200	pg/g	J	k.sp	EMPC; < PQL		
4402209512	RISB-EJ-01-1.0-20180926	9/26/2018	E1668A	52663-74-8	PCB-172 (2,2',3,3',4,5,5'-HpCB)	0.59	Jq	0.15	20	pg/g	J	k.sp	EMPC; < PQL		
4402209512	RISB-EJ-01-1.0-20180926	9/26/2018	E1668A	52663-69-1	PCB-183 (2,2',3,4,4',5',6'-HpCB)	0.92	J	0.12	20	pg/g	J	sp	< PQL		
4402209512	RISB-EJ-01-1.0-20180926	9/26/2018	E1668A	53742-07-7	Nonachlorobiphenyl	22	JB	0.12	200	pg/g	J	sp	< PQL		
4402209512	RISB-EJ-01-1.0-20180926	9/26/2018	E1668A	35065-30-6	PCB-170 (2,2',3,3',4,4',5'-HpCB)	0.46	Jq	0.15	20	pg/g	J	k.sp	EMPC; < PQL		
4402209512	RISB-EJ-01-1.0-20180926	9/26/2018	E1668A	25323-68-6	Trichlorobiphenyl (total)	1.8	JqB	0.15	200	pg/g	J	k.sp	EMPC; < PQL		
4402209512	RISB-EJ-01-1.0-20180926	9/26/2018	E1668A	25512-42-9	Dichlorobiphenyl (total)	3.1	J	1.2	200	pg/g	J	sp	< PQL		
4402209512	RISB-EJ-01-1.0-20180926	9/26/2018	E1668A	41411-64-7	PCB-190 (2,3,3',4,4',5,6'-HpCB)	0.23	J	0.10	20	pg/g	J	sp	< PQL		
4402209512	RISB-EJ-01-1.0-20180926	9/26/2018	E1668A	40186-72-9	PCB-206 (2,2',3,3',4,4',5,5',6'-NoCB)	6.3	J	0.14	20	pg/g	J	sp	< PQL		
4402209512	RISB-EJ-01-1.0-20180926	9/26/2018	E1668A	38411-25-5	PCB-174 (2,2',3,3',4,5,6'-HpCB)	0.72	J	0.16	20	pg/g	J	sp	< PQL		
4402209512	RISB-EJ-01-1.0-20180926	9/26/2018	E1668A	42740-50-1	PCB-196 (2,2',3,3',4,4',5,6'-OxCB)	1.5	J	0.050	20	pg/g	J	sp	< PQL		
4402209512	RISB-EJ-01-1.0-20180926	9/26/2018	E1668A	52663-72-6	PCB-167 (2,3',4,4',5,5'-HxCB)	0.34	J	0.095	2.0	pg/g	J	sp	< PQL		
4402209512	RISB-EJ-01-1.0-20180926	9/26/2018	E1668A	60145-23-5	PCB-182 (2,2',3,4,4',5,6'-HpCB)	0.34	J	0.057	20	pg/g	J	sp	< PQL		
4402209512	RISB-EJ-01-1.0-20180926	9/26/2018	E1668A	PCB171+173	PCBs 171 + 173	0.56	Jq	0.15	41	pg/g	J	k.sp	EMPC; < PQL		
4402209512	RISB-EJ-01-1.0-20180926	9/26/2018	E1668A	PCB20+28	PCBs 20 + 28	0.45	JqB	0.13	41	pg/g	J	bl,k.sp	MB contamination; EMPC; < PQL	0.299	1.495 pg/g
4402209512	RISB-EJ-01-1.0-20180926	9/26/2018	E1668A	52663-79-3	PCB-207 (2,2',3,3',4,4',5,6,6'-NoCB)	8.6	JB	0.099	20	pg/g	J	sp	< PQL		
4402209512	RISB-EJ-01-1.0-20180926	9/26/2018	E1668A	2050-67-1	PCB-011 (3,3'-DiCB)	3.1	J	1.2	20	pg/g	J	sp	< PQL		

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte ¹	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator ²	Qualification Finding	Acceptance Criteria
4402209512	RISB-EJ-01-1.0-20180926	9/26/2018	E1668A	PCB198+199	PCBs 198 + 199	2.0	J	0.053	41	pg/g	J	sp	< PQL		
4402209512	RISB-EJ-01-1.0-20180926	9/26/2018	E1668A	PCB135+151	PCBs 135 + 151	0.61	J	0.21	41	pg/g	J	sp	< PQL		
4402209512	RISB-EJ-01-1.0-20180926	9/26/2018	E1668A	PCB180+193	PCBs 180 + 193	1.6	JB	0.12	41	pg/g	J	sp	< PQL		
4402209512	RISB-EJ-01-1.0-20180926	9/26/2018	E1668A	16606-02-3	PCB-001 (2,4',5'-TrCB)	0.47	JB	0.12	20	pg/g	J	bl,sp	MB contamination; < PQL	0.207	1.035 pg/g
4402209512	RISB-EJ-01-1.0-20180926	9/26/2018	E1668A	2051-62-9	PCB-033 (4-CB)	0.38	J	0.15	20	pg/g	J	sp	< PQL		
4402209512	RISB-EJ-01-1.0-20180926	9/26/2018	E1668A	52663-78-2	PCB-195 (2,2',3,3',4,4',5,6'-OxCB)	0.53	Jq	0.054	20	pg/g	J	k,sp	EMPC; < PQL		
4402209512	RISB-EJ-01-1.0-20180926	9/26/2018	E1668A	52663-65-7	PCB-176 (2,2',3,3',4,6,6'-HpCB)	0.26	Jq	0.043	20	pg/g	J	k,sp	EMPC; < PQL		
4402209512	RISB-EJ-01-1.0-20180926	9/26/2018	E1668A	74487-85-7	PCB-188 (2,2',3,4',5,6,6'-HpCB)	0.42	Jq	0.060	20	pg/g	J	k,sp	EMPC; < PQL		
4402209512	RISB-EJ-01-1.0-20180926	9/26/2018	E1668A	PCB49+69	PCBs 49 + 69	0.41	J	0.20	41	pg/g	J	sp	< PQL		
4402209512	RISB-EJ-01-1.0-20180926	9/26/2018	E1668A	35693-99-3	PCB-052 (2,2',5,5'-TeCB)	0.90	JB	0.25	20	pg/g	J	bl,sp	MB contamination; < PQL	0.647	3.235 pg/g
4402209512	RISB-EJ-01-1.0-20180926	9/26/2018	E1668A	PCB18+30	PCBs 18 + 30	0.37	JqB	0.17	41	pg/g	J	bl,k,sp	MB contamination; EMPC; < PQL	0.185	0.925 pg/g
4402209512	RISB-EJ-01-1.0-20180926	9/26/2018	E1668A	PCB21+33	PCBs 21 + 33	0.23	JqB	0.12	41	pg/g	J	bl,k,sp	MB contamination; EMPC; < PQL	0.202	1.01 pg/g
4402209512	RISB-EJ-01-1.0-20180926	9/26/2018	E1668A	26914-33-0	Tetrachlorobiphenyl	3.2	JqB	0.18	200	pg/g	J	k,sp	EMPC; < PQL		
4402209512	RISB-EJ-01-1.0-20180926	9/26/2018	E1668A	27323-18-8	Monochlorobiphenyl	0.38	J	0.16	200	pg/g	J	sp	< PQL		
4402209512	RISB-EJ-01-1.0-20180926	9/26/2018	E1668A	28655-71-2	Heptachlorobiphenyl	9.2	JqB	0.096	200	pg/g	J	k,sp	EMPC; < PQL		
4402209512	RISB-EJ-01-1.0-20180926	9/26/2018	E1668A	2136-99-4	PCB-202 (2,2',3,3',5,5',6,6'-OxCB)	1.0	JB	0.050	20	pg/g	J	sp	< PQL		
4402209512	RISB-EJ-01-1.0-20180926	9/26/2018	E1668A	52663-67-9	PCB-178 (2,2',3,3',5,5',6'-HpCB)	0.40	J	0.064	20	pg/g	J	sp	< PQL		
4402209512	RISB-EJ-01-1.0-20180926	9/26/2018	E1668A	PCB129+138+163	PCBs 129 + 138 + 163	2.0	JB	0.19	61	pg/g	J	bl,sp	MB contamination; < PQL	0.760	3.8 pg/g
4402209512	RISB-EJ-01-1.0-20180926	9/26/2018	E1668A	PCB44+47+65	PCBs 44 + 47 + 65	0.71	JB	0.23	61	pg/g	J	bl,sp	MB contamination; < PQL	0.847	4.235 pg/g
4402209512	RISB-EJ-01-1.0-20180926	9/26/2018	E1668A	38444-90-5	PCB-037 (3,4',4'-TrCB)	0.29	Jq	0.18	20	pg/g	J	k,sp	EMPC; < PQL		
4402209512	RISB-EJ-01-1.0-20180926	9/26/2018	E1668A	52663-68-0	PCB-187 (2,2',3,4',5,5',6'-HpCB)	0.93	J	0.057	20	pg/g	J	sp	< PQL		
4402209512	RISB-EJ-01-1.0-20180926	9/26/2018	E1668A	52663-77-1	PCB-208 (2,2',3,3',4,5,5',6,6'-NoCB)	7.0	J	0.12	20	pg/g	J	sp	< PQL		
4402209512	RISB-EJ-01-1.0-20180926	9/26/2018	E1668A	26601-64-9	Hexachlorobiphenyl	5.3	JqB	0.17	200	pg/g	J	k,sp	EMPC; < PQL		
4402209512	RISB-EJ-01-1.0-20180926	9/26/2018	E1668A	33091-17-7	PCB-197 (2,2',3,3',4,4',6,6'-OxCB)	1.1	Jq	0.034	20	pg/g	J	k,sp	EMPC; < PQL		
4402209512	RISB-EJ-01-1.0-20180926	9/26/2018	E1668A	74472-52-9	PCB-204 (2,2',3,4,4',5,6,6'-OxCB)	0.69	J	0.039	20	pg/g	J	sp	< PQL		
4402209512	RISB-EJ-01-1.0-20180926	9/26/2018	E1668A	PCB147+149	PCBs 147 + 149	1.1	Jq	0.20	41	pg/g	J	k,sp	EMPC; < PQL		
4402209512	RISB-EJ-01-1.0-20180926	9/26/2018	E1668A	52663-76-0	PCB-203 (2,2',3,4,4',5,5',6'-OxCB)	0.87	J	0.048	20	pg/g	J	sp	< PQL		
4402209512	RISB-EJ-01-1.0-20180926	9/26/2018	E1668A	PCB153+168	PCBs 153 + 168	1.2	Jq	0.16	41	pg/g	J	k,sp	EMPC; < PQL		
4402209512	RISB-EJ-01-1.0-20180926	9/26/2018	E1668A	39635-34-2	PCB-162 (2,3,3',4',5,5'-HxCB)	0.12	Jq	0.089	20	pg/g	J	k,sp	EMPC; < PQL		
4402209512	RISB-EJ-01-1.0-20180926	9/26/2018	E1668A	40186-71-8	PCB-201 (2,2',3,3',4,5',6,6'-OxCB)	1.3	Jq	0.038	20	pg/g	J	k,sp	EMPC; < PQL		
4402209512	RISB-EJ-01-1.0-20180926	9/26/2018	E1668A	74472-48-3	PCB-184 (2,2',3,4,4',6,6'-HpCB)	0.64	J	0.049	20	pg/g	J	sp	< PQL		
4402209512	RISB-EJ-01-10.0-20180926	9/26/2018	E1668A	2051-24-3	PCB-209 (DeCB)	1.8	JqB	0.0090	21	pg/g	J	k,sp	EMPC; < PQL		
4402209512	RISB-EJ-01-10.0-20180926	9/26/2018	E1668A	38444-85-8	PCB-022 (2,3,4'-TrCB)	0.18	Jq	0.10	21	pg/g	J	k,sp	EMPC; < PQL		
4402209512	RISB-EJ-01-10.0-20180926	9/26/2018	E1668A	53742-07-7	Nonachlorobiphenyl	0.61	JqB	0.096	210	pg/g	J	bl,k,sp	MB contamination; EMPC; < PQL	0.256	1.28 pg/g
4402209512	RISB-EJ-01-10.0-20180926	9/26/2018	E1668A	PCB20+28	PCBs 20 + 28	0.41	JB	0.094	42	pg/g	J	bl,sp	MB contamination; < PQL	0.299	1.495 pg/g
4402209512	RISB-EJ-01-10.0-20180926	9/26/2018	E1668A	PCB61+70+74+76	PCBs 61 + 70 + 74 + 76	0.59	JB	0.080	85	pg/g	J	bl,sp	MB contamination; < PQL	0.571	2.855 pg/g
4402209512	RISB-EJ-01-10.0-20180926	9/26/2018	E1668A	16606-02-3	PCB-031 (2,4',5'-TrCB)	0.39	JB	0.087	21	pg/g	J	bl,sp	MB contamination; < PQL	0.207	1.035 pg/g
4402209512	RISB-EJ-01-10.0-20180926	9/26/2018	E1668A	52663-79-3	PCB-207 (2,2',3,3',4,4',5,6,6'-NoCB)	0.41	JqB	0.078	21	pg/g	J	bl,k,sp	MB contamination; EMPC; < PQL	0.256	1.28 pg/g
4402209512	RISB-EJ-01-10.0-20180926	9/26/2018	E1668A	35694-08-7	PCB-194 (2,2',3,3',4,4',5,5'-OxCB)	0.096	JqB	0.040	21	pg/g	J	bl,k,sp	MB contamination; EMPC; < PQL	0.0718	0.359 pg/g
4402209512	RISB-EJ-01-10.0-20180926	9/26/2018	E1668A	37680-66-3	PCB-017 (2,2',4'-TrCB)	0.19	J	0.098	21	pg/g	J	sp	< PQL		
4402209512	RISB-EJ-01-10.0-20180926	9/26/2018	E1668A	25512-42-9	Dichlorobiphenyl (total)	4.3	Jq	1.8	210	pg/g	J	k,sp	EMPC; < PQL		
4402209512	RISB-EJ-01-10.0-20180926	9/26/2018	E1668A	25323-68-6	Trichlorobiphenyl (total)	2.0	JqB	0.095	210	pg/g	J	bl,k,sp	MB contamination; EMPC; < PQL	0.893	4.465 pg/g
4402209512	RISB-EJ-01-10.0-20180926	9/26/2018	E1668A	42740-50-1	PCB-196 (2,2',3,3',4,4',5,6'-OxCB)	0.084	Jq	0.036	21	pg/g	J	k,sp	EMPC; < PQL		
4402209512	RISB-EJ-01-10.0-20180926	9/26/2018	E1668A	38411-25-5	PCB-174 (2,2',3,3',4,5,6'-HpCB)	0.17	J	0.055	21	pg/g	J	sp	< PQL		
4402209512	RISB-EJ-01-10.0-20180926	9/26/2018	E1668A	2050-67-1	PCB-011 (3,3'-DiCB)	4.3	Jq	2.0	21	pg/g	J	k,sp	EMPC; < PQL		
4402209512	RISB-EJ-01-10.0-20180926	9/26/2018	E1668A	52663-69-1	PCB-183 (2,2',3,4,4',5,6'-HpCB)	0.23	Jq	0.044	21	pg/g	J	k,sp	EMPC; < PQL		
4402209512	RISB-EJ-01-10.0-20180926	9/26/2018	E1668A	38380-05-1	PCB-132 (2,2',3,3',4,6'-HxCB)	0.43	J	0.14	21	pg/g	J	sp	< PQL		
4402209512	RISB-EJ-01-10.0-20180926	9/26/2018	E1668A	32598-10-0	PCB-066 (2,3',4,4'-TeCB)	0.23	JqB	0.086	21	pg/g	J	bl,k,sp	MB contamination; EMPC; < PQL	0.318	1.59 pg/g
4402209512	RISB-EJ-01-10.0-20180926	9/26/2018	E1668A	PCB18+30	PCBs 18 + 30	0.34	JqB	0.083	42	pg/g	J	bl,k,sp	MB contamination; EMPC; < PQL	0.185	0.925 pg/g
4402209512	RISB-EJ-01-10.0-20180926	9/26/2018	E1668A	40186-72-9	PCB-206 (2,2',3,3',4,4',5,5',6'-NoCB)	0.20	Jq	0.12	21	pg/g	J	k,sp	EMPC; < PQL		
4402209512	RISB-EJ-01-10.0-20180926	9/26/2018	E1668A	38444-77-8	PCB-032 (2,4',6'-TrCB)	0.17	J	0.070	21	pg/g	J	sp	< PQL		
4402209512	RISB-EJ-01-10.0-20180926	9/26/2018	E1668A	PCB198+199	PCBs 198 + 199	0.21	J	0.038	42	pg/g	J	sp	< PQL		
4402209512	RISB-EJ-01-10.0-20180926	9/26/2018	E1668A	2051-60-7	PCB-001 (2-CB)	0.13	Jq	0.12	21	pg/g	J	k,sp	EMPC; < PQL		
4402209512	RISB-EJ-01-10.0-20180926	9/26/2018	E1668A	PCB49+69	PCBs 49 + 69	0.23	J	0.071	42	pg/g	J	sp	< PQL		
4402209512	RISB-EJ-01-10.0-20180926	9/26/2018	E1668A	PCB180+193	PCBs 180 + 193	0.35	JqB	0.042	42	pg/g	J	bl,k,sp	MB contamination; EMPC; < PQL	0.251	1.255 pg/g
4402209512	RISB-EJ-01-10.0-20180926	9/26/2018	E1668A	PCB21+33	PCBs 21 + 33	0.30	JB	0.090	42	pg/g	J	bl,sp	MB contamination; < PQL	0.202	1.01 pg/g

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte ¹	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator ²	Qualification Finding	Acceptance Criteria
4402209512	RISB-EJ-01-10.0-20180926	9/26/2018	E1668A	41464-43-1	PCB-056 (2,3,3',4'-TeCB)	0.19	J	0.089	21	pg/g	J	sp	< PQL		
4402209512	RISB-EJ-01-10.0-20180926	9/26/2018	E1668A	26601-64-9	Hexachlorobiphenyl	2.0	JB	0.11	210	pg/g	J	bl,sp	MB contamination; < PQL	0.760	3.8 pg/g
4402209512	RISB-EJ-01-10.0-20180926	9/26/2018	E1668A	35693-99-3	PCB-052 (2,2',5,5'-TeCB)	0.50	JqB	0.092	21	pg/g	J	bl,k,sp	MB contamination; EMPC; < PQL	0.647	3.235 pg/g
4402209512	RISB-EJ-01-10.0-20180926	9/26/2018	E1668A	PCB44+47+65	PCBs 44 + 47 + 65	0.67	JB	0.081	64	pg/g	J	bl,sp	MB contamination; < PQL	0.847	4.235 pg/g
4402209512	RISB-EJ-01-10.0-20180926	9/26/2018	E1668A	55722-26-4	Octachlorobiphenyl	0.46	JqB	0.033	210	pg/g	J	bl,k,sp	MB contamination; EMPC; < PQL	0.113	0.565 pg/g
4402209512	RISB-EJ-01-10.0-20180926	9/26/2018	E1668A	52663-76-0	PCB-203 (2,2',3,4',5,5',6-OcCB)	0.066	Jq	0.034	21	pg/g	J	k,sp	EMPC; < PQL		
4402209512	RISB-EJ-01-10.0-20180926	9/26/2018	E1668A	52663-68-0	PCB-187 (2,2',3,4',5,5',6-HpCB)	0.12	Jq	0.033	21	pg/g	J	k,sp	EMPC; < PQL		
4402209512	RISB-EJ-01-10.0-20180926	9/26/2018	E1668A	52663-58-8	PCB-064 (2,3,4',6-TeCB)	0.13	Jq	0.060	21	pg/g	J	k,sp	EMPC; < PQL		
4402209512	RISB-EJ-01-10.0-20180926	9/26/2018	E1668A	28655-71-2	Heptachlorobiphenyl	0.88	JqB	0.040	210	pg/g	J	bl,k,sp	MB contamination; EMPC; < PQL	0.327	1.635 pg/g
4402209512	RISB-EJ-01-10.0-20180926	9/26/2018	E1668A	26914-33-0	Tetrachlorobiphenyl	2.5	JqB	0.085	210	pg/g	J	bl,k,sp	MB contamination; EMPC; < PQL	2.51	12.55 pg/g
4402209512	RISB-EJ-01-10.0-20180926	9/26/2018	E1668A	27323-18-8	Monochlorobiphenyl	0.13	Jq	0.10	210	pg/g	J	k,sp	EMPC; < PQL		
4402209512	RISB-EJ-01-10.0-20180926	9/26/2018	E1668A	PCB153+168	PCBs 153 + 168	0.42	J	0.099	42	pg/g	J	sp	< PQL		
4402209512	RISB-EJ-01-10.0-20180926	9/26/2018	E1668A	PCB147+149	PCBs 147 + 149	0.48	J	0.13	42	pg/g	J	sp	< PQL		
4402209512	RISB-EJ-01-10.0-20180926	9/26/2018	E1668A	PCB129+138+163	PCBs 129 + 138 + 163	0.66	JB	0.12	64	pg/g	J	bl,sp	MB contamination; < PQL	0.760	3.8 pg/g
4402074651	PCDB-6-90.0-20180328	3/28/2018	SW6010	7440-47-3	Chromium (total)	5.0	J	2.6	5.2	mg/kg	J	sp	< PQL		
4402207711	RISB-EJ-02-1.0-20180924	9/24/2018	SW6010	7440-24-6	Strontium	150		2.5	5.0	mg/kg	J+	m	MS/MSD %R	133,-	75-125 %
4402207711	RISB-EJ-02-1.0-20180924	9/24/2018	SW6010	7440-39-3	Barium	160		0.75	1.5	mg/kg	J+	m	MS/MSD %R	126,172	75-125 %
4402207711	RISB-EJ-02-1.0-20180924	9/24/2018	SW6010	7440-33-7	Tungsten		U	2.5	10	mg/kg	UJ	m	MS/MSD %R	64,72	75-125 %
4402207711	RISB-EJ-02-1.0-20180924	9/24/2018	SW6020	7440-36-0	Antimony		U	0.27	1.0	mg/kg	UJ	m	MS/MSD %R	75,-	80-120 %
4402207711	RISB-EJ-02-10.0-20180924	9/24/2018	SW6010	7440-33-7	Tungsten		U	2.7	11	mg/kg	UJ	m	MS/MSD %R	64,72	75-125 %
4402207711	RISB-EJ-02-10.0-20180924	9/24/2018	SW6010	7440-39-3	Barium	180		0.80	1.6	mg/kg	J+	m	MS/MSD %R	126,172	75-125 %
4402207711	RISB-EJ-02-10.0-20180924	9/24/2018	SW6010	7440-24-6	Strontium	330		2.7	5.3	mg/kg	J+	m	MS/MSD %R	133,-	75-125 %
4402207711	RISB-EJ-02-10.0-20180924	9/24/2018	SW6020	7440-36-0	Antimony		U	0.29	1.1	mg/kg	UJ	m	MS/MSD %R	75,-	80-120 %
4402207711	RISB-ER-02-1.0-20180924	9/24/2018	SW6010	7440-39-3	Barium	160	F1	0.77	1.5	mg/kg	J+	m	MS/MSD %R	126,172	75-125 %
4402207711	RISB-ER-02-1.0-20180924	9/24/2018	SW6010	7440-33-7	Tungsten		UF1	2.6	10	mg/kg	UJ	m	MS/MSD %R	64,72	75-125 %
4402207711	RISB-ER-02-1.0-20180924	9/24/2018	SW6010	7440-24-6	Strontium	120	F1	2.6	5.1	mg/kg	J+	m	MS/MSD %R	133,-	75-125 %
4402207711	RISB-ER-02-1.0-20180924	9/24/2018	SW6020	7440-36-0	Antimony		UF1	0.28	1.0	mg/kg	UJ	m	MS/MSD %R	75,-	80-120 %
4402207711	RISB-ER-02-10.0-20180924	9/24/2018	SW6010	7440-24-6	Strontium	230		2.6	5.3	mg/kg	J+	m	MS/MSD %R	133,-	75-125 %
4402207711	RISB-ER-02-10.0-20180924	9/24/2018	SW6010	7440-33-7	Tungsten		U	2.6	11	mg/kg	UJ	m	MS/MSD %R	64,72	75-125 %
4402207711	RISB-ER-02-10.0-20180924	9/24/2018	SW6010	7440-39-3	Barium	130		0.79	1.6	mg/kg	J+	m	MS/MSD %R	126,172	75-125 %
4402207711	RISB-ER-02-10.0-20180924	9/24/2018	SW6020	7440-36-0	Antimony	0.36	J	0.29	1.1	mg/kg	J-	m,sp	MS/MSD %R; < PQL	75,-	80-120 %
4402208431	RISB-EJ-03-1.0-20180925	9/25/2018	SW6010	7440-62-2	Vanadium	44		0.52	1.0	mg/kg	J+	m	MS/MSD %R	127,-	75-125 %
4402208431	RISB-EJ-03-1.0-20180925	9/25/2018	SW6010	7440-33-7	Tungsten		U	2.6	10	mg/kg	UJ	m	MS/MSD %R	68,68	75-125 %
4402208431	RISB-EJ-03-1.0-20180925	9/25/2018	SW6010	7440-39-3	Barium	160		0.77	1.5	mg/kg	J+	m	MS/MSD %R	140,133	75-125 %
4402208431	RISB-EJ-03-1.0-20180925	9/25/2018	SW6020	7440-36-0	Antimony		U	0.28	1.0	mg/kg	UJ	m	MS/MSD %R	74,76	80-120 %
4402208431	RISB-EJ-03-1.0-20180925-FD	9/25/2018	SW6010	7440-39-3	Barium	200		0.76	1.5	mg/kg	J+	m	MS/MSD %R	140,133	75-125 %
4402208431	RISB-EJ-03-1.0-20180925-FD	9/25/2018	SW6010	7440-33-7	Tungsten		U	2.5	10	mg/kg	UJ	m	MS/MSD %R	68,68	75-125 %
4402208431	RISB-EJ-03-1.0-20180925-FD	9/25/2018	SW6010	7440-62-2	Vanadium	53		0.51	1.0	mg/kg	J+	m	MS/MSD %R	127,-	75-125 %
4402208431	RISB-EJ-03-1.0-20180925-FD	9/25/2018	SW6020	7440-36-0	Antimony		U	0.27	1.0	mg/kg	UJ	m	MS/MSD %R	74,76	80-120 %
4402208431	RISB-EJ-03-10.0-20180925	9/25/2018	SW6010	7440-33-7	Tungsten		U	2.7	11	mg/kg	UJ	m	MS/MSD %R	68,68	75-125 %
4402208431	RISB-EJ-03-10.0-20180925	9/25/2018	SW6010	7440-39-3	Barium	160		0.81	1.6	mg/kg	J+	m	MS/MSD %R	140,133	75-125 %
4402208431	RISB-EJ-03-10.0-20180925	9/25/2018	SW6010	7440-62-2	Vanadium	50		0.54	1.1	mg/kg	J+	m	MS/MSD %R	127,-	75-125 %
4402208431	RISB-EJ-03-10.0-20180925	9/25/2018	SW6020	7440-36-0	Antimony		U	0.29	1.1	mg/kg	UJ	m	MS/MSD %R	74,76	80-120 %
4402208431	RISB-EJ-04-1.0-20180925	9/25/2018	SW6010	7440-33-7	Tungsten		UF1	2.6	10	mg/kg	UJ	m	MS/MSD %R	68,68	75-125 %
4402208431	RISB-EJ-04-1.0-20180925	9/25/2018	SW6010	7440-62-2	Vanadium	44	F1	0.52	1.0	mg/kg	J+	m	MS/MSD %R	127,-	75-125 %
4402208431	RISB-EJ-04-1.0-20180925	9/25/2018	SW6010	7440-39-3	Barium	170	F1	0.78	1.6	mg/kg	J+	m	MS/MSD %R	140,133	75-125 %
4402208431	RISB-EJ-04-1.0-20180925	9/25/2018	SW6020	7440-36-0	Antimony		UF1	0.28	1.0	mg/kg	UJ	m	MS/MSD %R	74,76	80-120 %
4402208431	RISB-EJ-04-10.0-20180925	9/25/2018	SW6010	7440-39-3	Barium	250		0.85	1.7	mg/kg	J+	m	MS/MSD %R	140,133	75-125 %
4402208431	RISB-EJ-04-10.0-20180925	9/25/2018	SW6010	7440-33-7	Tungsten		U	2.8	11	mg/kg	UJ	m	MS/MSD %R	68,68	75-125 %
4402208431	RISB-EJ-04-10.0-20180925	9/25/2018	SW6010	7440-62-2	Vanadium	53		0.57	1.1	mg/kg	J+	m	MS/MSD %R	127,-	75-125 %
4402208431	RISB-EJ-04-10.0-20180925	9/25/2018	SW6020	7440-36-0	Antimony		U	0.31	1.1	mg/kg	UJ	m	MS/MSD %R	74,76	80-120 %
4402208431	RISB-ER-01-1.0-20180925	9/25/2018	SW6010	7440-39-3	Barium	130		0.78	1.6	mg/kg	J+	m	MS/MSD %R	140,133	75-125 %
4402208431	RISB-ER-01-1.0-20180925	9/25/2018	SW6010	7440-33-7	Tungsten		U	2.6	10	mg/kg	UJ	m	MS/MSD %R	68,68	75-125 %
4402208431	RISB-ER-01-1.0-20180925	9/25/2018	SW6010	7440-62-2	Vanadium	46		0.52	1.0	mg/kg	J+	m	MS/MSD %R	127,-	75-125 %
4402208431	RISB-ER-01-1.0-20180925	9/25/2018	SW6020	7440-36-0	Antimony		U	0.28	1.0	mg/kg	UJ	m	MS/MSD %R	74,76	80-120 %
4402208431	RISB-ER-01-10.0-20180925	9/25/2018	SW6010	7440-39-3	Barium	120		0.81	1.6	mg/kg	J+	m	MS/MSD %R	140,133	75-125 %

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte ¹	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator ²	Qualification Finding	Acceptance Criteria
4402208431	RISB-ER-01-10.0-20180925	9/25/2018	SW6010	7440-33-7	Tungsten		U	2.7	11	mg/kg	UJ	m	MS/MSD %R	68,68	75-125 %
4402208431	RISB-ER-01-10.0-20180925	9/25/2018	SW6010	7440-62-2	Vanadium	41		0.54	1.1	mg/kg	J+	m	MS/MSD %R	127,-	75-125 %
4402208431	RISB-ER-01-10.0-20180925	9/25/2018	SW6020	7440-36-0	Antimony		U	0.29	1.1	mg/kg	UJ	m	MS/MSD %R	74,76	80-120 %
4402208431	RISB-ER-03-1.0-20180925	9/25/2018	SW6010	7440-33-7	Tungsten		U	2.5	10	mg/kg	UJ	m	MS/MSD %R	68,68	75-125 %
4402208431	RISB-ER-03-1.0-20180925	9/25/2018	SW6010	7440-62-2	Vanadium	41		0.51	1.0	mg/kg	J+	m	MS/MSD %R	127,-	75-125 %
4402208431	RISB-ER-03-1.0-20180925	9/25/2018	SW6010	7440-39-3	Barium	120		0.76	1.5	mg/kg	J+	m	MS/MSD %R	140,133	75-125 %
4402208431	RISB-ER-03-1.0-20180925	9/25/2018	SW6020	7440-36-0	Antimony		U	0.27	1.0	mg/kg	UJ	m	MS/MSD %R	74,76	80-120 %
4402208431	RISB-ER-03-10.0-20180925	9/25/2018	SW6010	7440-62-2	Vanadium	48		0.55	1.1	mg/kg	J+	m	MS/MSD %R	127,-	75-125 %
4402208431	RISB-ER-03-10.0-20180925	9/25/2018	SW6010	7440-33-7	Tungsten		U	2.7	11	mg/kg	UJ	m	MS/MSD %R	68,68	75-125 %
4402208431	RISB-ER-03-10.0-20180925	9/25/2018	SW6010	7440-39-3	Barium	170		0.82	1.6	mg/kg	J+	m	MS/MSD %R	140,133	75-125 %
4402208431	RISB-ER-03-10.0-20180925	9/25/2018	SW6020	7440-36-0	Antimony		U	0.29	1.1	mg/kg	UJ	m	MS/MSD %R	74,76	80-120 %
4402209511	RISB-EJ-01-1.0-20180926	9/26/2018	SW6010	7440-42-8	Boron	4.8	J	2.6	5.1	mg/kg	J	sp	< PQL		
4402209511	RISB-EJ-01-1.0-20180926	9/26/2018	SW6020	7440-36-0	Antimony	0.31	J	0.28	1.0	mg/kg	J	sp	< PQL		
4402209511	RISB-EJ-01-10.0-20180926	9/26/2018	SW6020	7440-36-0	Antimony	0.29	J	0.29	1.1	mg/kg	J	sp	< PQL		
4402275491	RIDB-34-1-20181212	12/12/2018	SW6010	7440-39-3	Barium	190		0.81	1.6	mg/kg	J	m,ld	MS/MSD %R and RPD	156,-; 23	75-125; 20 %
4402275491	RIDB-34-1-20181212	12/12/2018	SW6010	7440-33-7	Tungsten		U	2.7	11	mg/kg	UJ	m	MS/MSD %R	45,42	75-125 %
4402275491	RIDB-34-1-20181212	12/12/2018	SW6010	7439-96-5	Manganese	450		1.1	2.2	mg/kg	J	m,ld	MS/MSD %R and RPD	462,220; 36	75-125; 20 %
4402275491	RIDB-34-1-20181212	12/12/2018	SW6010	7440-42-8	Boron	4.5	J	2.7	5.4	mg/kg	J	sp	< PQL		
4402275491	RIDB-34-5-20181212	12/12/2018	SW6010	7440-42-8	Boron	5.4	J	2.8	5.5	mg/kg	J	sp	< PQL		
4402275491	RIDB-34-5-20181212	12/12/2018	SW6010	7439-96-5	Manganese	330		1.1	2.2	mg/kg	J	m,ld	MS/MSD %R and RPD	462,220; 36	75-125; 20 %
4402275491	RIDB-34-5-20181212	12/12/2018	SW6010	7440-33-7	Tungsten		U	2.8	11	mg/kg	UJ	m	MS/MSD %R	45,42	75-125 %
4402275491	RIDB-34-5-20181212	12/12/2018	SW6010	7440-39-3	Barium	150		0.83	1.7	mg/kg	J	m,ld	MS/MSD %R and RPD	156,-; 23	75-125; 20 %
4402275491	RIDB-35-10-20181212	12/12/2018	SW6010	7440-33-7	Tungsten		U	2.8	11	mg/kg	UJ	m	MS/MSD %R	45,42	75-125 %
4402275491	RIDB-35-10-20181212	12/12/2018	SW6010	7439-96-5	Manganese	300		1.1	2.3	mg/kg	J	m,ld	MS/MSD %R and RPD	462,220; 36	75-125; 20 %
4402275491	RIDB-35-10-20181212	12/12/2018	SW6010	7440-39-3	Barium	200		0.85	1.7	mg/kg	J	m,ld	MS/MSD %R and RPD	156,-; 23	75-125; 20 %
4402275491	RIDB-35-1-20181212	12/12/2018	SW6010	7440-43-9	Cadmium	0.37	J	0.26	0.53	mg/kg	J	sp	< PQL		
4402275491	RIDB-35-1-20181212	12/12/2018	SW6010	7440-33-7	Tungsten		U	2.6	11	mg/kg	UJ	m	MS/MSD %R	45,42	75-125 %
4402275491	RIDB-35-1-20181212	12/12/2018	SW6010	7440-39-3	Barium	120		0.79	1.6	mg/kg	J	m,ld	MS/MSD %R and RPD	156,-; 23	75-125; 20 %
4402275491	RIDB-35-1-20181212	12/12/2018	SW6010	7439-96-5	Manganese	200		1.1	2.1	mg/kg	J	m,ld	MS/MSD %R and RPD	462,220; 36	75-125; 20 %
4402275491	RIDB-35-20-20181212	12/12/2018	SW6010	7440-33-7	Tungsten		U	2.7	11	mg/kg	UJ	m	MS/MSD %R	45,42	75-125 %
4402275491	RIDB-35-20-20181212	12/12/2018	SW6010	7440-39-3	Barium	62		0.80	1.6	mg/kg	J	m,ld	MS/MSD %R and RPD	156,-; 23	75-125; 20 %
4402275491	RIDB-35-20-20181212	12/12/2018	SW6010	7439-96-5	Manganese	120		1.1	2.1	mg/kg	J	m,ld	MS/MSD %R and RPD	462,220; 36	75-125; 20 %
4402275491	RIDB-35-20-20181212	12/12/2018	SW6010	7439-96-5	Manganese	210		1.6	3.2	mg/kg	J	m,ld	MS/MSD %R and RPD	462,220; 36	75-125; 20 %
4402275491	RIDB-35-30-20181212	12/12/2018	SW6010	7440-39-3	Barium	89		1.2	2.4	mg/kg	J	m,ld	MS/MSD %R and RPD	156,-; 23	75-125; 20 %
4402275491	RIDB-35-30-20181212	12/12/2018	SW6010	7439-98-7	Molybdenum	2.5	J	1.6	3.2	mg/kg	J	sp	< PQL		
4402275491	RIDB-35-30-20181212	12/12/2018	SW6010	7440-33-7	Tungsten		U	4.0	16	mg/kg	UJ	m	MS/MSD %R	45,42	75-125 %
4402275491	RIDB-35-5-20181212	12/12/2018	SW6010	7440-33-7	Tungsten		U	2.7	11	mg/kg	UJ	m	MS/MSD %R	45,42	75-125 %
4402275491	RIDB-35-5-20181212	12/12/2018	SW6010	7440-39-3	Barium	140		0.80	1.6	mg/kg	J	m,ld	MS/MSD %R and RPD	156,-; 23	75-125; 20 %
4402275491	RIDB-35-5-20181212	12/12/2018	SW6010	7439-96-5	Manganese	120		1.1	2.1	mg/kg	J	m,ld	MS/MSD %R and RPD	462,220; 36	75-125; 20 %
4402276791	RIDB-34-10-20181213	12/13/2018	SW6010	7440-39-3	Barium	140		0.78	1.6	mg/kg	J+	m	MS/MSD %R	145,-	75-125 %
4402276791	RIDB-34-10-20181213	12/13/2018	SW6010	7723-14-0	Phosphorus (total)	890		2.6	5.2	mg/kg	J+	m	MS/MSD %R	156,156	75-125 %
4402276791	RIDB-34-10-20181213	12/13/2018	SW6010	7440-24-6	Strontium	440		2.6	5.2	mg/kg	J+	m	MS/MSD %R	150,147	75-125 %
4402276791	RIDB-34-10-20181213	12/13/2018	SW6010	7439-96-5	Manganese	240		1.0	2.1	mg/kg	J+	m	MS/MSD %R	144,-	75-125 %
4402276791	RIDB-34-10-20181213	12/13/2018	SW6010	7440-33-7	Tungsten		U	2.6	10	mg/kg	UJ	m	MS/MSD %R	61,63	75-125 %
4402276791	RIDB-34-20-20181213	12/13/2018	SW6010	7440-39-3	Barium	68		0.86	1.7	mg/kg	J+	m	MS/MSD %R	145,-	75-125 %
4402276791	RIDB-34-20-20181213	12/13/2018	SW6010	7440-33-7	Tungsten		U	2.9	11	mg/kg	UJ	m	MS/MSD %R	61,63	75-125 %
4402276791	RIDB-34-20-20181213	12/13/2018	SW6010	7723-14-0	Phosphorus (total)	760		2.9	5.7	mg/kg	J+	m	MS/MSD %R	156,156	75-125 %
4402276791	RIDB-34-20-20181213	12/13/2018	SW6010	7440-24-6	Strontium	440		2.9	5.7	mg/kg	J+	m	MS/MSD %R	150,147	75-125 %
4402276791	RIDB-34-20-20181213	12/13/2018	SW6010	7439-96-5	Manganese	220		1.1	2.3	mg/kg	J+	m	MS/MSD %R	144,-	75-125 %
4402276791	RIDB-34-30-20181213	12/13/2018	SW6010	7440-39-3	Barium	350		1.0	2.1	mg/kg	J+	m	MS/MSD %R	145,-	75-125 %
4402276791	RIDB-34-30-20181213	12/13/2018	SW6010	7440-33-7	Tungsten		U	3.5	14	mg/kg	UJ	m	MS/MSD %R	61,63	75-125 %
4402276791	RIDB-34-30-20181213	12/13/2018	SW6010	7439-96-5	Manganese	350		1.4	2.8	mg/kg	J+	m	MS/MSD %R	144,-	75-125 %
4402276791	RIDB-34-30-20181213	12/13/2018	SW6010	7440-24-6	Strontium	130		3.5	7.0	mg/kg	J+	m	MS/MSD %R	150,147	75-125 %
4402276791	RIDB-34-30-20181213	12/13/2018	SW6010	7723-14-0	Phosphorus (total)	720		3.5	7.0	mg/kg	J+	m	MS/MSD %R	156,156	75-125 %
4402276791	RIDB-36-10-20181213	12/13/2018	SW6010	7440-39-3	Barium	170		0.84	1.7	mg/kg	J+	m	MS/MSD %R	145,-	75-125 %
4402276791	RIDB-36-10-20181213	12/13/2018	SW6010	7440-24-6	Strontium	380		2.8	5.6	mg/kg	J+	m	MS/MSD %R	150,147	75-125 %

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte ¹	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator ²	Qualification Finding	Acceptance Criteria
4402276791	RIDB-36-10-20181213	12/13/2018	SW6010	7439-96-5	Manganese	380		1.1	2.2	mg/kg	J+	m	MS/MSD %R	144,-	75-125 %
4402276791	RIDB-36-10-20181213	12/13/2018	SW6010	7440-33-7	Tungsten		U	2.8	11	mg/kg	UJ	m	MS/MSD %R	61,63	75-125 %
4402276791	RIDB-36-10-20181213	12/13/2018	SW6010	7723-14-0	Phosphorus (total)	1200		2.8	5.6	mg/kg	J+	m	MS/MSD %R	156,156	75-125 %
4402276791	RIDB-36-1-20181213	12/13/2018	SW6010	7440-24-6	Strontium	79		2.6	5.2	mg/kg	J+	m	MS/MSD %R	150,147	75-125 %
4402276791	RIDB-36-1-20181213	12/13/2018	SW6010	7723-14-0	Phosphorus (total)	410		2.6	5.2	mg/kg	J+	m	MS/MSD %R	156,156	75-125 %
4402276791	RIDB-36-1-20181213	12/13/2018	SW6010	7439-96-5	Manganese	190		1.0	2.1	mg/kg	J+	m	MS/MSD %R	144,-	75-125 %
4402276791	RIDB-36-1-20181213	12/13/2018	SW6010	7440-39-3	Barium	130		0.78	1.6	mg/kg	J+	m	MS/MSD %R	145,-	75-125 %
4402276791	RIDB-36-1-20181213	12/13/2018	SW6010	7440-33-7	Tungsten		U	2.6	10	mg/kg	UJ	m	MS/MSD %R	61,63	75-125 %
4402276791	RIDB-36-1-20181213	12/13/2018	SW6010	7440-43-9	Cadmium	0.31	J	0.26	0.52	mg/kg	J	sp	< PQL		
4402276791	RIDB-36-20-20181213	12/13/2018	SW6010	7440-39-3	Barium	110		0.84	1.7	mg/kg	J+	m	MS/MSD %R	145,-	75-125 %
4402276791	RIDB-36-20-20181213	12/13/2018	SW6010	7440-24-6	Strontium	220		2.8	5.6	mg/kg	J+	m	MS/MSD %R	150,147	75-125 %
4402276791	RIDB-36-20-20181213	12/13/2018	SW6010	7723-14-0	Phosphorus (total)	620		2.8	5.6	mg/kg	J+	m	MS/MSD %R	156,156	75-125 %
4402276791	RIDB-36-20-20181213	12/13/2018	SW6010	7440-33-7	Tungsten		U	2.8	11	mg/kg	UJ	m	MS/MSD %R	61,63	75-125 %
4402276791	RIDB-36-20-20181213	12/13/2018	SW6010	7439-96-5	Manganese	170		1.1	2.2	mg/kg	J+	m	MS/MSD %R	144,-	75-125 %
4402276791	RIDB-36-30-20181213	12/13/2018	SW6010	7440-33-7	Tungsten		U	3.6	14	mg/kg	UJ	m	MS/MSD %R	48,49	75-125 %
4402276791	RIDB-36-30-20181213	12/13/2018	SW6010	7723-14-0	Phosphorus (total)	710		3.6	7.1	mg/kg	J	sd	Serial dilution %D	11	10 %
4402276791	RIDB-36-30-20181213	12/13/2018	SW6010	7440-42-8	Boron	79		3.6	7.1	mg/kg	J-	m	MS/MSD %R	-33,-26	75-125 %
4402276791	RIDB-36-5-20181213	12/13/2018	SW6010	7723-14-0	Phosphorus (total)	390		2.7	5.3	mg/kg	J+	m	MS/MSD %R	156,156	75-125 %
4402276791	RIDB-36-5-20181213	12/13/2018	SW6010	7440-24-6	Strontium	80		2.7	5.3	mg/kg	J+	m	MS/MSD %R	150,147	75-125 %
4402276791	RIDB-36-5-20181213	12/13/2018	SW6010	7439-96-5	Manganese	140		1.1	2.1	mg/kg	J+	m	MS/MSD %R	144,-	75-125 %
4402276791	RIDB-36-5-20181213	12/13/2018	SW6010	7440-39-3	Barium	99		0.80	1.6	mg/kg	J+	m	MS/MSD %R	145,-	75-125 %
4402276791	RIDB-36-5-20181213	12/13/2018	SW6010	7440-33-7	Tungsten		U	2.7	11	mg/kg	UJ	m	MS/MSD %R	61,63	75-125 %
4402282261	RISB-1-0.5-20181218	12/18/2018	SW6010	7440-24-6	Strontium	170	FI	2.7	5.3	mg/kg	J+	m	MS/MSD %R	157,136	75-125 %
4402282261	RISB-1-0.5-20181218	12/18/2018	SW6010	7440-33-7	Tungsten		UF1	2.7	11	mg/kg	UJ	m	MS/MSD %R	60,62	75-125 %
4402282261	RISB-1-10.0-20181218	12/18/2018	SW6010	7440-33-7	Tungsten		U	2.7	11	mg/kg	UJ	m	MS/MSD %R	60,62	75-125 %
4402282261	RISB-1-10.0-20181218	12/18/2018	SW6010	7440-24-6	Strontium	400		2.7	5.4	mg/kg	J+	m	MS/MSD %R	157,136	75-125 %
4402282261	RISB-1-15.0-20181218	12/18/2018	SW6010	7440-33-7	Tungsten		U	2.6	10	mg/kg	UJ	m	MS/MSD %R	60,62	75-125 %
4402282261	RISB-1-15.0-20181218	12/18/2018	SW6010	7440-24-6	Strontium	220		2.6	5.2	mg/kg	J+	m	MS/MSD %R	157,136	75-125 %
4402282261	RISB-1-20.0-20181218	12/18/2018	SW6010	7440-24-6	Strontium	450		2.6	5.3	mg/kg	J+	m	MS/MSD %R	157,136	75-125 %
4402282261	RISB-1-20.0-20181218	12/18/2018	SW6010	7440-33-7	Tungsten		U	2.6	11	mg/kg	UJ	m	MS/MSD %R	60,62	75-125 %
4402282261	RISB-1-25.0-20181218	12/18/2018	SW6010	7440-33-7	Tungsten		U	2.8	11	mg/kg	UJ	m	MS/MSD %R	60,62	75-125 %
4402282261	RISB-1-25.0-20181218	12/18/2018	SW6010	7440-24-6	Strontium	470		2.8	5.6	mg/kg	J+	m	MS/MSD %R	157,136	75-125 %
4402282261	RISB-1-30.0-20181218	12/18/2018	SW6010	7440-33-7	Tungsten		U	2.8	11	mg/kg	UJ	m	MS/MSD %R	60,62	75-125 %
4402282261	RISB-1-30.0-20181218	12/18/2018	SW6010	7440-24-6	Strontium	180		2.8	5.6	mg/kg	J+	m	MS/MSD %R	157,136	75-125 %
4402282261	RISB-1-32.0-20181218	12/18/2018	SW6010	7440-24-6	Strontium	180		3.9	7.9	mg/kg	J+	m	MS/MSD %R	157,136	75-125 %
4402282261	RISB-1-32.0-20181218	12/18/2018	SW6010	7440-33-7	Tungsten		U	3.9	16	mg/kg	UJ	m	MS/MSD %R	60,62	75-125 %
4402282261	RISB-1-5.0-20181218	12/18/2018	SW6010	7440-33-7	Tungsten		U	2.7	11	mg/kg	UJ	m	MS/MSD %R	60,62	75-125 %
4402282261	RISB-1-5.0-20181218	12/18/2018	SW6010	7440-24-6	Strontium	220		2.7	5.3	mg/kg	J+	m	MS/MSD %R	157,136	75-125 %
4402282261	RISB-2-0.5-20181218	12/18/2018	SW6010	7440-24-6	Strontium	95		2.6	5.2	mg/kg	J+	m	MS/MSD %R	157,136	75-125 %
4402282261	RISB-2-0.5-20181218	12/18/2018	SW6010	7440-33-7	Tungsten		U	2.6	10	mg/kg	UJ	m	MS/MSD %R	60,62	75-125 %
4402282261	RISB-2-10.0-20181218	12/18/2018	SW6010	7440-33-7	Tungsten		U	2.8	11	mg/kg	UJ	m	MS/MSD %R	60,62	75-125 %
4402282261	RISB-2-10.0-20181218	12/18/2018	SW6010	7440-24-6	Strontium	310		2.8	5.5	mg/kg	J+	m	MS/MSD %R	157,136	75-125 %
4402282261	RISB-2-10.0-20181218-FD	12/18/2018	SW6010	7440-24-6	Strontium	380		2.7	5.4	mg/kg	J+	m	MS/MSD %R	157,136	75-125 %
4402282261	RISB-2-10.0-20181218-FD	12/18/2018	SW6010	7440-33-7	Tungsten		U	2.7	11	mg/kg	UJ	m	MS/MSD %R	60,62	75-125 %
4402282261	RISB-2-15.0-20181218	12/18/2018	SW6010	7440-24-6	Strontium	470		2.7	5.4	mg/kg	J+	m	MS/MSD %R	157,136	75-125 %
4402282261	RISB-2-15.0-20181218	12/18/2018	SW6010	7440-33-7	Tungsten		U	2.7	11	mg/kg	UJ	m	MS/MSD %R	60,62	75-125 %
4402282261	RISB-2-20.0-20181218	12/18/2018	SW6010	7440-24-6	Strontium	590		2.7	5.5	mg/kg	J+	m	MS/MSD %R	157,136	75-125 %
4402282261	RISB-2-20.0-20181218	12/18/2018	SW6010	7440-33-7	Tungsten		U	2.7	11	mg/kg	UJ	m	MS/MSD %R	60,62	75-125 %
4402282261	RISB-2-25.0-20181218	12/18/2018	SW6010	7439-95-4	Magnesium	11000	F2	5.4	11	mg/kg	J	ld	MS/MSD RPD	22	20 %
4402282261	RISB-2-25.0-20181218	12/18/2018	SW6010	7440-39-3	Barium	110	F1	0.81	1.6	mg/kg	J+	m	MS/MSD %R	138,149	75-125 %
4402282261	RISB-2-25.0-20181218	12/18/2018	SW6010	7440-33-7	Tungsten		UF1	2.7	11	mg/kg	UJ	m	MS/MSD %R	62,67; 57,58	75-125 %
4402282261	RISB-2-25.0-20181218	12/18/2018	SW6010	7439-96-5	Manganese	190	F1	1.1	2.2	mg/kg	J	m,ld	MS/MSD %R and RPD	66,-; 36	75-125; 20 %
4402282261	RISB-2-30.0-20181218	12/18/2018	SW6010	7439-92-1	Lead	4.6	J	2.4	4.7	mg/kg	J	sp	< PQL		
4402282261	RISB-2-30.0-20181218	12/18/2018	SW6010	7440-24-6	Strontium	210		5.9	12	mg/kg	J+	m	MS/MSD %R	157,136	75-125 %
4402282261	RISB-2-30.0-20181218	12/18/2018	SW6010	7440-33-7	Tungsten		U	5.9	24	mg/kg	UJ	m	MS/MSD %R	60,62	75-125 %
4402282261	RISB-2-30.0-20181218	12/18/2018	SW6010	7440-42-8	Boron	7.9	J	5.9	12	mg/kg	J	sp	< PQL		

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte ¹	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator ²	Qualification Finding	Acceptance Criteria
4402282261	RISB-2-32.0-20181218	12/18/2018	SW6010	7440-24-6	Strontium	160		4.2	8.3	mg/kg	J+	m	MS/MSD %R	157,136	75-125 %
4402282261	RISB-2-32.0-20181218	12/18/2018	SW6010	7440-33-7	Tungsten		U	4.2	17	mg/kg	UJ	m	MS/MSD %R	60,62	75-125 %
4402282261	RISB-2-5.0-20181218	12/18/2018	SW6010	7440-33-7	Tungsten		U	2.6	10	mg/kg	UJ	m	MS/MSD %R	60,62	75-125 %
4402282261	RISB-2-5.0-20181218	12/18/2018	SW6010	7440-24-6	Strontium	150		2.6	5.2	mg/kg	J+	m	MS/MSD %R	157,136	75-125 %
4402282261	RISB-2-5.0-20181218	12/18/2018	SW6010	7439-98-7	Molybdenum	1.3	J	1.0	2.1	mg/kg	J	sp	< PQL		
4402282261	RISB-3-0.5-20181218	12/18/2018	SW6010	7440-43-9	Cadmium	0.37	J	0.26	0.51	mg/kg	J	sp	< PQL		
4402282261	RISB-3-0.5-20181218	12/18/2018	SW6010	7440-24-6	Strontium	84		2.6	5.1	mg/kg	J+	m	MS/MSD %R	157,136	75-125 %
4402282261	RISB-3-0.5-20181218	12/18/2018	SW6010	7440-33-7	Tungsten		U	2.6	10	mg/kg	UJ	m	MS/MSD %R	60,62	75-125 %
4402282261	RISB-3-10.0-20181218	12/18/2018	SW6010	7440-33-7	Tungsten		U	2.8	11	mg/kg	UJ	m	MS/MSD %R	60,62	75-125 %
4402282261	RISB-3-10.0-20181218	12/18/2018	SW6010	7440-24-6	Strontium	310		2.8	5.5	mg/kg	J+	m	MS/MSD %R	157,136	75-125 %
4402282261	RISB-3-15.0-20181218	12/18/2018	SW6010	7440-33-7	Tungsten		U	2.6	10	mg/kg	UJ	m	MS/MSD %R	60,62	75-125 %
4402282261	RISB-3-15.0-20181218	12/18/2018	SW6010	7440-24-6	Strontium	320		2.6	5.1	mg/kg	J+	m	MS/MSD %R	157,136	75-125 %
4402282261	RISB-3-15.0-20181218	12/18/2018	SW6010	7704-34-9	Sulfur	130		32	54	mg/kg	J+	m	MS/MSD %R	127,-	75-125 %
4402282261	RISB-3-20.0-20181218	12/18/2018	SW6010	7439-95-4	Magnesium	7100		5.4	11	mg/kg	J	sd	Serial dilution %D	13	10 %
4402282261	RISB-3-20.0-20181218	12/18/2018	SW6010	7440-39-3	Barium	110		0.80	1.6	mg/kg	J	sd	Serial dilution %D	12	10 %
4402282261	RISB-3-20.0-20181218	12/18/2018	SW6010	7440-33-7	Tungsten		UF1	2.7	11	mg/kg	UJ	m	MS/MSD %R	68,70	75-125 %
4402282261	RISB-3-20.0-20181218	12/18/2018	SW6010	7440-24-6	Strontium	260	F2	2.7	5.4	mg/kg	J	ld	MS/MSD RPD	24	20 %
4402282261	RISB-3-20.0-20181218	12/18/2018	SW6010	7439-96-5	Manganese	200		1.1	2.1	mg/kg	J	sd	Serial dilution %D	12	10 %
4402282261	RISB-3-20.0-20181218	12/18/2018	SW6010	7704-34-9	Sulfur	120		31	52	mg/kg	J+	m	MS/MSD %R	127,-	75-125 %
4402282261	RISB-3-20.0-20181218-FD	12/18/2018	SW6010	7439-95-4	Magnesium	7000		5.4	11	mg/kg	J	sd	Serial dilution %D	13	10 %
4402282261	RISB-3-20.0-20181218-FD	12/18/2018	SW6010	7704-34-9	Sulfur	120		33	55	mg/kg	J+	m	MS/MSD %R	127,-	75-125 %
4402282261	RISB-3-20.0-20181218-FD	12/18/2018	SW6010	7439-96-5	Manganese	220		1.1	2.2	mg/kg	J	sd	Serial dilution %D	12	10 %
4402282261	RISB-3-20.0-20181218-FD	12/18/2018	SW6010	7440-24-6	Strontium	400		2.7	5.4	mg/kg	J	ld	MS/MSD RPD	24	20 %
4402282261	RISB-3-20.0-20181218-FD	12/18/2018	SW6010	7440-39-3	Barium	120		0.81	1.6	mg/kg	J	sd	Serial dilution %D	12	10 %
4402282261	RISB-3-20.0-20181218-FD	12/18/2018	SW6010	7440-33-7	Tungsten		U	2.7	11	mg/kg	UJ	m	MS/MSD %R	68,70	75-125 %
4402282261	RISB-3-25.0-20181218	12/18/2018	SW6010	7439-96-5	Manganese	170		1.1	2.3	mg/kg	J	sd	Serial dilution %D	12	10 %
4402282261	RISB-3-25.0-20181218	12/18/2018	SW6010	7704-34-9	Sulfur	76		34	56	mg/kg	J+	m	MS/MSD %R	127,-	75-125 %
4402282261	RISB-3-25.0-20181218	12/18/2018	SW6010	7440-24-6	Strontium	330		2.8	5.6	mg/kg	J	ld	MS/MSD RPD	24	20 %
4402282261	RISB-3-25.0-20181218	12/18/2018	SW6010	7440-39-3	Barium	98		0.85	1.7	mg/kg	J	sd	Serial dilution %D	12	10 %
4402282261	RISB-3-25.0-20181218	12/18/2018	SW6010	7440-33-7	Tungsten		U	2.8	11	mg/kg	UJ	m	MS/MSD %R	68,70	75-125 %
4402282261	RISB-3-25.0-20181218	12/18/2018	SW6010	7439-95-4	Magnesium	11000		5.6	11	mg/kg	J	sd	Serial dilution %D	13	10 %
4402282261	RISB-3-30.0-20181218	12/18/2018	SW6010	7439-95-4	Magnesium	7700		11	22	mg/kg	J	sd	Serial dilution %D	13	10 %
4402282261	RISB-3-30.0-20181218	12/18/2018	SW6010	7440-42-8	Boron	6.2	J	5.5	11	mg/kg	J	sp	< PQL		
4402282261	RISB-3-30.0-20181218	12/18/2018	SW6010	7704-34-9	Sulfur	270		34	57	mg/kg	J+	m	MS/MSD %R	127,-	75-125 %
4402282261	RISB-3-30.0-20181218	12/18/2018	SW6010	7439-96-5	Manganese	130		2.2	4.4	mg/kg	J	sd	Serial dilution %D	12	10 %
4402282261	RISB-3-30.0-20181218	12/18/2018	SW6010	7440-24-6	Strontium	160		5.5	11	mg/kg	J	ld	MS/MSD RPD	24	20 %
4402282261	RISB-3-30.0-20181218	12/18/2018	SW6010	7440-39-3	Barium	100		1.7	3.3	mg/kg	J	sd	Serial dilution %D	12	10 %
4402282261	RISB-3-30.0-20181218	12/18/2018	SW6010	7440-33-7	Tungsten		U	5.5	22	mg/kg	UJ	m	MS/MSD %R	68,70	75-125 %
4402282261	RISB-3-32.0-20181218	12/18/2018	SW6010	7440-39-3	Barium	56		1.2	2.4	mg/kg	J	sd	Serial dilution %D	12	10 %
4402282261	RISB-3-32.0-20181218	12/18/2018	SW6010	7439-95-4	Magnesium	52000		7.9	16	mg/kg	J	sd	Serial dilution %D	13	10 %
4402282261	RISB-3-32.0-20181218	12/18/2018	SW6010	7704-34-9	Sulfur	270		45	74	mg/kg	J+	m	MS/MSD %R	127,-	75-125 %
4402282261	RISB-3-32.0-20181218	12/18/2018	SW6010	7439-96-5	Manganese	460		1.6	3.2	mg/kg	J	sd	Serial dilution %D	12	10 %
4402282261	RISB-3-32.0-20181218	12/18/2018	SW6010	7440-33-7	Tungsten		U	4.0	16	mg/kg	UJ	m	MS/MSD %R	68,70	75-125 %
4402282261	RISB-3-32.0-20181218	12/18/2018	SW6010	7440-24-6	Strontium	140		4.0	7.9	mg/kg	J	ld	MS/MSD RPD	24	20 %
4402282261	RISB-3-5.0-20181218	12/18/2018	SW6010	7439-98-7	Molybdenum	1.5	J	1.0	2.1	mg/kg	J	sp	< PQL		
4402282261	RISB-3-5.0-20181218	12/18/2018	SW6010	7440-24-6	Strontium	160		2.6	5.2	mg/kg	J+	m	MS/MSD %R	157,136	75-125 %
4402282261	RISB-4-0.5-20181218	12/18/2018	SW6010	7440-24-6	Strontium	100		2.6	5.1	mg/kg	J	ld	MS/MSD RPD	24	20 %
4402282261	RISB-4-0.5-20181218	12/18/2018	SW6010	7704-34-9	Sulfur	390		31	52	mg/kg	J+	m	MS/MSD %R	127,-	75-125 %
4402282261	RISB-4-0.5-20181218	12/18/2018	SW6010	7440-33-7	Tungsten		U	2.6	10	mg/kg	UJ	m	MS/MSD %R	68,70	75-125 %
4402282261	RISB-4-0.5-20181218	12/18/2018	SW6010	7440-43-9	Cadmium	0.40	J	0.26	0.51	mg/kg	J	sp	< PQL		
4402282261	RISB-4-10.0-20181218	12/18/2018	SW6010	7439-95-4	Magnesium	10000		5.5	11	mg/kg	J	sd	Serial dilution %D	13	10 %
4402282261	RISB-4-10.0-20181218	12/18/2018	SW6010	7704-34-9	Sulfur	3500		18	30	mg/kg	J+	m	MS/MSD %R	127,-	75-125 %
4402282261	RISB-4-10.0-20181218	12/18/2018	SW6010	7439-96-5	Manganese	190		1.1	2.2	mg/kg	J	sd	Serial dilution %D	12	10 %
4402282261	RISB-4-10.0-20181218	12/18/2018	SW6010	7440-24-6	Strontium	790		2.8	5.5	mg/kg	J	ld	MS/MSD RPD	24	20 %
4402282261	RISB-4-10.0-20181218	12/18/2018	SW6010	7440-39-3	Barium	100		0.83	1.7	mg/kg	J	sd	Serial dilution %D	12	10 %
4402282261	RISB-4-10.0-20181218	12/18/2018	SW6010	7440-33-7	Tungsten		U	2.8	11	mg/kg	UJ	m	MS/MSD %R	68,70	75-125 %

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte ¹	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator ²	Qualification Finding	Acceptance Criteria
4402282261	RISB-4-15.0-20181218	12/18/2018	SW6010	7440-33-7	Tungsten		UF1	2.6	10	mg/kg	UJ	m	MS/MSD %R	62,67; 57,58	75-125 %
4402282261	RISB-4-15.0-20181218	12/18/2018	SW6010	7439-95-4	Magnesium	5700		5.2	10	mg/kg	J	ld	MS/MSD RPD	22	20 %
4402282261	RISB-4-15.0-20181218	12/18/2018	SW6010	7704-34-9	Sulfur	2400	F1	30	50	mg/kg	J+	m	MS/MSD %R	127,-	75-125 %
4402282261	RISB-4-15.0-20181218	12/18/2018	SW6010	7439-96-5	Manganese	220	F2	1.0	2.1	mg/kg	J	m,ld	MS/MSD %R and RPD	66,-; 36	75-125; 20 %
4402282261	RISB-4-15.0-20181218	12/18/2018	SW6010	7440-39-3	Barium	110		0.79	1.6	mg/kg	J+	m	MS/MSD %R	138,149	75-125 %
4402282261	RISB-4-20.0-20181218	12/18/2018	SW6010	7440-39-3	Barium	63		0.84	1.7	mg/kg	J	sd	Serial dilution %D	12	10 %
4402282261	RISB-4-20.0-20181218	12/18/2018	SW6010	7440-33-7	Tungsten		U	2.8	11	mg/kg	UJ	m	MS/MSD %R	68,70	75-125 %
4402282261	RISB-4-20.0-20181218	12/18/2018	SW6010	7439-96-5	Manganese	200		1.1	2.2	mg/kg	J	sd	Serial dilution %D	12	10 %
4402282261	RISB-4-20.0-20181218	12/18/2018	SW6010	7440-24-6	Strontium	160		2.8	5.6	mg/kg	J	ld	MS/MSD RPD	24	20 %
4402282261	RISB-4-20.0-20181218	12/18/2018	SW6010	7704-34-9	Sulfur	120		34	56	mg/kg	J+	m	MS/MSD %R	127,-	75-125 %
4402282261	RISB-4-20.0-20181218	12/18/2018	SW6010	7439-95-4	Magnesium	10000		5.6	11	mg/kg	J	sd	Serial dilution %D	13	10 %
4402282261	RISB-4-25.0-20181218	12/18/2018	SW6010	7440-24-6	Strontium	450		2.9	5.7	mg/kg	J	ld	MS/MSD RPD	24	20 %
4402282261	RISB-4-25.0-20181218	12/18/2018	SW6010	7440-39-3	Barium	110		0.86	1.7	mg/kg	J	sd	Serial dilution %D	12	10 %
4402282261	RISB-4-25.0-20181218	12/18/2018	SW6010	7439-96-5	Manganese	180		1.1	2.3	mg/kg	J	sd	Serial dilution %D	12	10 %
4402282261	RISB-4-25.0-20181218	12/18/2018	SW6010	7704-34-9	Sulfur	200		19	32	mg/kg	J+	m	MS/MSD %R	127,-	75-125 %
4402282261	RISB-4-25.0-20181218	12/18/2018	SW6010	7439-95-4	Magnesium	19000		5.7	11	mg/kg	J	sd	Serial dilution %D	13	10 %
4402282261	RISB-4-25.0-20181218	12/18/2018	SW6010	7440-33-7	Tungsten		U	2.9	11	mg/kg	UJ	m	MS/MSD %R	68,70	75-125 %
4402282261	RISB-4-25.5-20181218	12/18/2018	SW6010	7439-95-4	Magnesium	29000		6.3	13	mg/kg	J	sd	Serial dilution %D	13	10 %
4402282261	RISB-4-25.5-20181218	12/18/2018	SW6010	7440-39-3	Barium	67		0.95	1.9	mg/kg	J	sd	Serial dilution %D	12	10 %
4402282261	RISB-4-25.5-20181218	12/18/2018	SW6010	7440-33-7	Tungsten		U	3.2	13	mg/kg	UJ	m	MS/MSD %R	68,70	75-125 %
4402282261	RISB-4-25.5-20181218	12/18/2018	SW6010	7439-96-5	Manganese	170		1.3	2.5	mg/kg	J	sd	Serial dilution %D	12	10 %
4402282261	RISB-4-25.5-20181218	12/18/2018	SW6010	7440-24-6	Strontium	190		3.2	6.3	mg/kg	J	ld	MS/MSD RPD	24	20 %
4402282261	RISB-4-25.5-20181218	12/18/2018	SW6010	7704-34-9	Sulfur	250		39	64	mg/kg	J+	m	MS/MSD %R	127,-	75-125 %
4402282261	RISB-4-25.5-20181218	12/18/2018	SW6010	7439-96-5	Manganese	270		1.5	3.1	mg/kg	J	sd	Serial dilution %D	12	10 %
4402282261	RISB-4-27.5-20181218	12/18/2018	SW6010	7440-33-7	Tungsten		U	3.8	15	mg/kg	UJ	m	MS/MSD %R	68,70	75-125 %
4402282261	RISB-4-27.5-20181218	12/18/2018	SW6010	7440-39-3	Barium	93		1.1	2.3	mg/kg	J	sd	Serial dilution %D	12	10 %
4402282261	RISB-4-27.5-20181218	12/18/2018	SW6010	7439-95-4	Magnesium	41000		7.7	15	mg/kg	J	sd	Serial dilution %D	13	10 %
4402282261	RISB-4-27.5-20181218	12/18/2018	SW6010	7440-24-6	Strontium	190		3.8	7.7	mg/kg	J	ld	MS/MSD RPD	24	20 %
4402282261	RISB-4-27.5-20181218	12/18/2018	SW6010	7704-34-9	Sulfur	190		4.5	7.5	mg/kg	J+	m	MS/MSD %R	127,-	75-125 %
4402282261	RISB-4-30.0-20181218	12/18/2018	SW6010	7439-95-4	Magnesium	28000		7.0	14	mg/kg	J	sd	Serial dilution %D	13	10 %
4402282261	RISB-4-30.0-20181218	12/18/2018	SW6010	7440-39-3	Barium	72		1.0	2.1	mg/kg	J	sd	Serial dilution %D	12	10 %
4402282261	RISB-4-30.0-20181218	12/18/2018	SW6010	7440-33-7	Tungsten		U	3.5	14	mg/kg	UJ	m	MS/MSD %R	68,70	75-125 %
4402282261	RISB-4-30.0-20181218	12/18/2018	SW6010	7439-96-5	Manganese	280		1.4	2.8	mg/kg	J	sd	Serial dilution %D	12	10 %
4402282261	RISB-4-30.0-20181218	12/18/2018	SW6010	7440-24-6	Strontium	160		3.5	7.0	mg/kg	J	ld	MS/MSD RPD	24	20 %
4402282261	RISB-4-30.0-20181218	12/18/2018	SW6010	7704-34-9	Sulfur	180		41	68	mg/kg	J+	m	MS/MSD %R	127,-	75-125 %
4402282261	RISB-4-30.0-20181218	12/18/2018	SW6010	7440-39-3	Barium	120		0.78	1.6	mg/kg	J	sd	Serial dilution %D	12	10 %
4402282261	RISB-4-5.0-20181218	12/18/2018	SW6010	7440-33-7	Tungsten		U	2.6	10	mg/kg	UJ	m	MS/MSD %R	68,70	75-125 %
4402282261	RISB-4-5.0-20181218	12/18/2018	SW6010	7439-96-5	Manganese	150		1.0	2.1	mg/kg	J	sd	Serial dilution %D	12	10 %
4402282261	RISB-4-5.0-20181218	12/18/2018	SW6010	7440-24-6	Strontium	84		2.6	5.2	mg/kg	J	ld	MS/MSD RPD	24	20 %
4402282261	RISB-4-5.0-20181218	12/18/2018	SW6010	7439-95-4	Magnesium	1800		5.2	10	mg/kg	J	sd	Serial dilution %D	13	10 %
4402282261	RISB-4-5.0-20181218	12/18/2018	SW6010	7704-34-9	Sulfur	800		23	39	mg/kg	J+	m	MS/MSD %R	127,-	75-125 %
4402282261	RISB-5-0.5-20181218	12/18/2018	SW6010	7440-24-6	Strontium	79		2.6	5.2	mg/kg	J	ld	MS/MSD RPD	24	20 %
4402282261	RISB-5-0.5-20181218	12/18/2018	SW6010	7440-43-9	Cadmium	0.39	J	0.26	0.52	mg/kg	J	sp	< PQL		
4402282261	RISB-5-0.5-20181218	12/18/2018	SW6010	7704-34-9	Sulfur	290		32	54	mg/kg	J+	m	MS/MSD %R	127,-	75-125 %
4402282261	RISB-5-0.5-20181218	12/18/2018	SW6010	7440-33-7	Tungsten		U	2.6	10	mg/kg	UJ	m	MS/MSD %R	68,70	75-125 %
4402282261	RISB-5-0.5-20181218	12/18/2018	SW6010	7440-39-3	Barium	87		0.77	1.5	mg/kg	J	sd	Serial dilution %D	12	10 %
4402282261	RISB-5-0.5-20181218	12/18/2018	SW6010	7439-95-4	Magnesium	1900		5.2	10	mg/kg	J	sd	Serial dilution %D	13	10 %
4402282261	RISB-5-0.5-20181218	12/18/2018	SW6010	7439-96-5	Manganese	220		1.0	2.1	mg/kg	J	sd	Serial dilution %D	12	10 %
4402282261	RISB-5-0.5-20181218-FD	12/18/2018	SW6010	7440-33-7	Tungsten		U	2.6	10	mg/kg	UJ	m	MS/MSD %R	68,70	75-125 %
4402282261	RISB-5-0.5-20181218-FD	12/18/2018	SW6010	7440-39-3	Barium	100		0.78	1.6	mg/kg	J	sd	Serial dilution %D	12	10 %
4402282261	RISB-5-0.5-20181218-FD	12/18/2018	SW6010	7439-96-5	Manganese	270		1.0	2.1	mg/kg	J	sd	Serial dilution %D	12	10 %
4402282261	RISB-5-0.5-20181218-FD	12/18/2018	SW6010	7440-24-6	Strontium	89		2.6	5.2	mg/kg	J	ld	MS/MSD RPD	24	20 %
4402282261	RISB-5-0.5-20181218-FD	12/18/2018	SW6010	7704-34-9	Sulfur	320		33	55	mg/kg	J+	m	MS/MSD %R	127,-	75-125 %
4402282261	RISB-5-0.5-20181218-FD	12/18/2018	SW6010	7439-95-4	Magnesium	2300		5.2	10	mg/kg	J	sd	Serial dilution %D	13	10 %
4402282261	RISB-5-0.5-20181218-FD	12/18/2018	SW6010	7440-43-9	Cadmium	0.43	J	0.26	0.52	mg/kg	J	sp	< PQL		
4402282261	RISB-5-10.0-20181218	12/18/2018	SW6010	7440-33-7	Tungsten		U	2.7	11	mg/kg	UJ	m	MS/MSD %R	68,70	75-125 %

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte ¹	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator ²	Qualification Finding	Acceptance Criteria
4402282261	RISB-5-10.0-20181218	12/18/2018	SW6010	7439-96-5	Manganese	230		1.1	2.1	mg/kg	J	sd	Serial dilution %D	12	10 %
4402282261	RISB-5-10.0-20181218	12/18/2018	SW6010	7440-24-6	Strontium	350		2.7	5.4	mg/kg	J	ld	MS/MSD RPD	24	20 %
4402282261	RISB-5-10.0-20181218	12/18/2018	SW6010	7704-34-9	Sulfur	340		34	57	mg/kg	J+	m	MS/MSD %R	127,-	75-125 %
4402282261	RISB-5-10.0-20181218	12/18/2018	SW6010	7439-95-4	Magnesium	10000		5.4	11	mg/kg	J	sd	Serial dilution %D	13	10 %
4402282261	RISB-5-10.0-20181218	12/18/2018	SW6010	7440-39-3	Barium	150		0.80	1.6	mg/kg	J	sd	Serial dilution %D	12	10 %
4402282261	RISB-5-15.0-20181218	12/18/2018	SW6010	7704-34-9	Sulfur	190		25	42	mg/kg	J+	m	MS/MSD %R	127,-	75-125 %
4402282261	RISB-5-15.0-20181218	12/18/2018	SW6010	7439-96-5	Manganese	190		1.0	2.1	mg/kg	J	sd	Serial dilution %D	12	10 %
4402282261	RISB-5-15.0-20181218	12/18/2018	SW6010	7439-95-4	Magnesium	6500		5.2	10	mg/kg	J	sd	Serial dilution %D	13	10 %
4402282261	RISB-5-15.0-20181218	12/18/2018	SW6010	7440-39-3	Barium	110		0.78	1.6	mg/kg	J	sd	Serial dilution %D	12	10 %
4402282261	RISB-5-15.0-20181218	12/18/2018	SW6010	7440-33-7	Tungsten		U	2.6	10	mg/kg	UJ	m	MS/MSD %R	68,70	75-125 %
4402282261	RISB-5-15.0-20181218	12/18/2018	SW6010	7440-24-6	Strontium	230		2.6	5.2	mg/kg	J	ld	MS/MSD RPD	24	20 %
4402282261	RISB-5-20.0-20181218	12/18/2018	SW6010	7440-39-3	Barium	98		0.82	1.6	mg/kg	J	sd	Serial dilution %D	12	10 %
4402282261	RISB-5-20.0-20181218	12/18/2018	SW6010	7439-96-5	Manganese	170		1.1	2.2	mg/kg	J	sd	Serial dilution %D	12	10 %
4402282261	RISB-5-20.0-20181218	12/18/2018	SW6010	7440-24-6	Strontium	130		2.7	5.5	mg/kg	J	ld	MS/MSD RPD	24	20 %
4402282261	RISB-5-20.0-20181218	12/18/2018	SW6010	7439-95-4	Magnesium	10000		5.5	11	mg/kg	J	sd	Serial dilution %D	13	10 %
4402282261	RISB-5-23.0-20181218	12/18/2018	SW6010	7440-22-4	Silver		U	0.97	1.6	mg/kg	UJ	c	CRI %R	64	70-130 %
4402282261	RISB-5-23.0-20181218	12/18/2018	SW6010	7440-33-7	Tungsten		UF1	2.7	11	mg/kg	UJ	m	MS/MSD %R	67,70	75-125 %
4402282261	RISB-5-23.0-20181218	12/18/2018	SW6010	7440-39-3	Barium	60	F1	0.81	1.6	mg/kg	J+	m	MS/MSD %R	-,128	75-125 %
4402282261	RISB-5-23.0-20181218	12/18/2018	SW6010	7440-24-6	Strontium	87	F1	2.7	5.4	mg/kg	J+	m	MS/MSD %R	135,127	75-125 %
4402282261	RISB-5-23.0-20181218	12/18/2018	SW6010	7439-96-5	Manganese	130	F1	1.1	2.2	mg/kg	J+	m	MS/MSD %R	-,128	75-125 %
4402282261	RISB-5-23.0-20181218-FD	12/18/2018	SW6010	7440-33-7	Tungsten		U	2.8	11	mg/kg	UJ	m	MS/MSD %R	67,70	75-125 %
4402282261	RISB-5-23.0-20181218-FD	12/18/2018	SW6010	7440-39-3	Barium	61		0.84	1.7	mg/kg	J+	m	MS/MSD %R	-,128	75-125 %
4402282261	RISB-5-23.0-20181218-FD	12/18/2018	SW6010	7440-24-6	Strontium	86		2.8	5.6	mg/kg	J+	m	MS/MSD %R	135,127	75-125 %
4402282261	RISB-5-23.0-20181218-FD	12/18/2018	SW6010	7440-22-4	Silver		U	1.0	1.7	mg/kg	UJ	c	CRI %R	64	70-130 %
4402282261	RISB-5-23.0-20181218-FD	12/18/2018	SW6010	7439-96-5	Manganese	140		1.1	2.2	mg/kg	J+	m	MS/MSD %R	-,128	75-125 %
4402282261	RISB-5-25.0-20181218	12/18/2018	SW6010	7440-39-3	Barium	120		1.1	2.2	mg/kg	J	sd	Serial dilution %D	12	10 %
4402282261	RISB-5-25.0-20181218	12/18/2018	SW6010	7440-24-6	Strontium	120		3.7	7.3	mg/kg	J	ld	MS/MSD RPD	24	20 %
4402282261	RISB-5-25.0-20181218	12/18/2018	SW6010	7439-96-5	Manganese	240		1.5	2.9	mg/kg	J	sd	Serial dilution %D	12	10 %
4402282261	RISB-5-25.0-20181218	12/18/2018	SW6010	7439-95-4	Magnesium	32000		7.3	15	mg/kg	J	sd	Serial dilution %D	13	10 %
4402282261	RISB-5-5.0-20181218	12/18/2018	SW6010	7439-96-5	Manganese	170		1.0	2.1	mg/kg	J	sd	Serial dilution %D	12	10 %
4402282261	RISB-5-5.0-20181218	12/18/2018	SW6010	7439-95-4	Magnesium	1700		5.2	10	mg/kg	J	sd	Serial dilution %D	13	10 %
4402282261	RISB-5-5.0-20181218	12/18/2018	SW6010	7440-24-6	Strontium	88		2.6	5.2	mg/kg	J	ld	MS/MSD RPD	24	20 %
4402282261	RISB-5-5.0-20181218	12/18/2018	SW6010	7440-39-3	Barium	110		0.78	1.6	mg/kg	J	sd	Serial dilution %D	12	10 %
4402282261	RISB-5-5.0-20181218	12/18/2018	SW6010	7704-34-9	Sulfur	520		27	45	mg/kg	J+	m	MS/MSD %R	127,-	75-125 %
4402282261	RISB-5-5.0-20181218	12/18/2018	SW6010	7440-33-7	Tungsten		U	2.6	10	mg/kg	UJ	m	MS/MSD %R	68,70	75-125 %
4402282262	RISB-1-0.5-20181218	12/18/2018	SW6020	7440-36-0	Antimony		U	0.50	1.2	mg/kg	UJ	m	MS/MSD %R	-,74	75-125 %
4402282262	RISB-1-10.0-20181218	12/18/2018	SW6020	7440-36-0	Antimony		U	0.47	1.2	mg/kg	UJ	m	MS/MSD %R	-,74	75-125 %
4402282262	RISB-1-15.0-20181218	12/18/2018	SW6020	7440-36-0	Antimony		U	0.20	0.50	mg/kg	UJ	m	MS/MSD %R	-,74	75-125 %
4402282262	RISB-1-20.0-20181218	12/18/2018	SW6020	7440-36-0	Antimony		U	0.51	1.3	mg/kg	UJ	m	MS/MSD %R	-,74	75-125 %
4402282262	RISB-1-25.0-20181218	12/18/2018	SW6020	7440-36-0	Antimony		U	1.1	2.7	mg/kg	UJ	m	MS/MSD %R	-,74	75-125 %
4402282262	RISB-1-25.0-20181218	12/18/2018	SW6020	7782-49-2	Selenium	2.0	J	1.7	2.7	mg/kg	J	sp	< PQL		
4402282262	RISB-1-30.0-20181218	12/18/2018	SW6020	7440-36-0	Antimony		U	1.0	2.6	mg/kg	UJ	m	MS/MSD %R	-,74	75-125 %
4402282262	RISB-1-30.0-20181218	12/18/2018	SW6020	7782-49-2	Selenium	2.3	J	1.6	2.6	mg/kg	J	sp	< PQL		
4402282262	RISB-1-32.0-20181218	12/18/2018	SW6020	7440-36-0	Antimony		U	0.31	0.77	mg/kg	UJ	m	MS/MSD %R	-,74	75-125 %
4402282262	RISB-1-5.0-20181218	12/18/2018	SW6020	7440-36-0	Antimony		U	0.46	1.1	mg/kg	UJ	m	MS/MSD %R	-,74	75-125 %
4402282262	RISB-2-0.5-20181218	12/18/2018	SW6020	7440-36-0	Antimony		U	0.20	0.50	mg/kg	UJ	m	MS/MSD %R	-,74	75-125 %
4402282262	RISB-2-10.0-20181218	12/18/2018	SW6020	7440-36-0	Antimony		U	0.53	1.3	mg/kg	UJ	m	MS/MSD %R	-,74	75-125 %
4402282262	RISB-2-10.0-20181218-FD	12/18/2018	SW6020	7440-36-0	Antimony		U	0.51	1.3	mg/kg	UJ	m	MS/MSD %R	-,74	75-125 %
4402282262	RISB-2-15.0-20181218	12/18/2018	SW6020	7440-36-0	Antimony		U	0.50	1.3	mg/kg	UJ	m	MS/MSD %R	-,74	75-125 %
4402282262	RISB-2-20.0-20181218	12/18/2018	SW6020	7440-36-0	Antimony		U	0.46	1.2	mg/kg	UJ	m	MS/MSD %R	-,74	75-125 %
4402282262	RISB-2-25.0-20181218	12/18/2018	SW6020	7440-36-0	Antimony		UF1	1.9	4.9	mg/kg	UJ	m	MS/MSD %R	-,74	75-125 %
4402282262	RISB-2-30.0-20181218	12/18/2018	SW6020	7440-36-0	Antimony		U	2.0	5.0	mg/kg	UJ	m	MS/MSD %R	-,74	75-125 %
4402282262	RISB-2-32.0-20181218	12/18/2018	SW6020	7440-36-0	Antimony		U	0.73	1.8	mg/kg	UJ	m	MS/MSD %R	-,74	75-125 %
4402282262	RISB-2-32.0-20181218	12/18/2018	SW6020	7782-49-2	Selenium	1.2	J	1.2	1.8	mg/kg	J	sp	< PQL		
4402282262	RISB-2-5.0-20181218	12/18/2018	SW6020	7440-36-0	Antimony		U	0.45	1.1	mg/kg	UJ	m	MS/MSD %R	-,74	75-125 %
4402282262	RISB-3-0.5-20181218	12/18/2018	SW6020	7440-36-0	Antimony		U	0.19	0.47	mg/kg	UJ	m	MS/MSD %R	-,74	75-125 %

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte ¹	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator ²	Qualification Finding	Acceptance Criteria
4402282262	RISB-3-10.0-20181218	12/18/2018	SW6020	7440-36-0	Antimony		U	0.49	1.2	mg/kg	UJ	m	MS/MSD %R	-.74	75-125 %
4402282262	RISB-3-5.0-20181218	12/18/2018	SW6020	7440-36-0	Antimony		U	0.20	0.49	mg/kg	UJ	m	MS/MSD %R	-.74	75-125 %
4402282262	RISB-4-10.0-20181218	12/18/2018	SW6020	7782-49-2	Selenium	1.8	J	1.6	2.5	mg/kg	J	sp	< PQL		
4402282262	RISB-4-25.0-20181218	12/18/2018	SW6020	7782-49-2	Selenium	2.4	J	1.8	2.7	mg/kg	J	sp	< PQL		
4402282262	RISB-4-25.5-20181218	12/18/2018	SW6020	7782-49-2	Selenium	0.98	J	0.98	1.5	mg/kg	J	sp	< PQL		
4402282262	RISB-4-27.5-20181218	12/18/2018	SW6020	7782-49-2	Selenium	1.2	J	1.2	1.9	mg/kg	J	sp	< PQL		
4402282262	RISB-5-0.5-20181218	12/18/2018	SW6020	7440-38-2	Arsenic	6.8		0.36	0.90	mg/kg	J	fd	FD RPD	63	50 %
4402282262	RISB-5-0.5-20181218-FD	12/18/2018	SW6020	7440-38-2	Arsenic	13		0.89	2.2	mg/kg	J	fd	FD RPD	63	50 %
4402282262	RISB-5-23.0-20181218-FD	12/18/2018	SW6020	7440-36-0	Antimony		UF1	0.19	0.47	mg/kg	UJ	m	MS/MSD %R	71.69	75-125 %
4402282262	RISB-5-25.0-20181218	12/18/2018	SW6020	7782-49-2	Selenium	1.6	J	1.1	1.7	mg/kg	J	sp	< PQL		
4402283161	GGW-RISB-2-35.5-20181219	12/19/2018	SW6010	7440-48-4	Cobalt	0.0059	J	0.0050	0.010	mg/l	J	sp	< PQL		
4402283161	GGW-RISB-3-35.5-20181219	12/19/2018	SW6010	7440-02-0	Nickel	0.0078	J	0.0050	0.010	mg/l	J	sp	< PQL		
4402283161	GGW-RISB-3-35.5-20181219	12/19/2018	SW6010	7440-66-6	Zinc	0.014	J	0.012	0.020	mg/l	J	sp	< PQL		
4402283161	GGW-RISB-5-35.5-20181219	12/19/2018	SW6010	7440-02-0	Nickel	0.0087	J	0.0050	0.010	mg/l	J	sp	< PQL		
4402283161	GGW-RISB-5-35.5-20181219	12/19/2018	SW6010	7440-66-6	Zinc	0.014	J	0.012	0.020	mg/l	J	sp	< PQL		
4402283162	GGW-RISB-1-35.5-20181219	12/19/2018	SW6020	7440-28-0	Thallium	1.1	J	0.90	2.0	ug/l	J	sp	< PQL		
4402360911	M-271-20190312	3/12/2019	SW6020	7440-61-1	Uranium	3.8	J	2.5	5.0	ug/l	J	sp	< PQL		
4402208431	RISB-EJ-03-1.0-20180925	9/25/2018	SW7471	7439-97-6	Mercury	0.033		0.012	0.020	mg/kg	J-	m	MS/MSD %R	-.62	70-130 %
4402208431	RISB-EJ-03-1.0-20180925-FD	9/25/2018	SW7471	7439-97-6	Mercury	0.021		0.012	0.021	mg/kg	J-	m	MS/MSD %R	-.62	70-130 %
4402208431	RISB-EJ-03-10.0-20180925	9/25/2018	SW7471	7439-97-6	Mercury	0.017	J	0.013	0.022	mg/kg	J-	m,sp	MS/MSD %R; < PQL	-.62	70-130 %
4402208431	RISB-EJ-04-1.0-20180925	9/25/2018	SW7471	7439-97-6	Mercury	0.40	FI	0.013	0.022	mg/kg	J-	m	MS/MSD %R	-.62	70-130 %
4402208431	RISB-EJ-04-10.0-20180925	9/25/2018	SW7471	7439-97-6	Mercury	0.15		0.014	0.023	mg/kg	J-	m	MS/MSD %R	-.62	70-130 %
4402208431	RISB-ER-01-1.0-20180925	9/25/2018	SW7471	7439-97-6	Mercury	0.023		0.012	0.020	mg/kg	J-	m	MS/MSD %R	-.62	70-130 %
4402208431	RISB-ER-01-10.0-20180925	9/25/2018	SW7471	7439-97-6	Mercury	0.025		0.013	0.021	mg/kg	J-	m	MS/MSD %R	-.62	70-130 %
4402208431	RISB-ER-03-1.0-20180925	9/25/2018	SW7471	7439-97-6	Mercury	0.020		0.012	0.020	mg/kg	J-	m	MS/MSD %R	-.62	70-130 %
4402208431	RISB-ER-03-10.0-20180925	9/25/2018	SW7471	7439-97-6	Mercury	0.092		0.013	0.022	mg/kg	J-	m	MS/MSD %R	-.62	70-130 %
4402275491	RIDB-35-1-20181212	12/12/2018	SW7471	7439-97-6	Mercury	0.014	J	0.013	0.021	mg/kg	J	sp	< PQL		
4402276791	RIDB-36-10-20181213	12/13/2018	SW7471	7439-97-6	Mercury	0.021	J	0.013	0.022	mg/kg	J	sp	< PQL		
4402282261	RISB-1-0.5-20181218	12/18/2018	SW7471	7439-97-6	Mercury	0.017	J	0.013	0.021	mg/kg	J	sp	< PQL		
4402282261	RISB-1-10.0-20181218	12/18/2018	SW7471	7439-97-6	Mercury	0.018	J	0.013	0.022	mg/kg	J	sp	< PQL		
4402282261	RISB-2-5.0-20181218	12/18/2018	SW7471	7439-97-6	Mercury	0.015	J	0.012	0.021	mg/kg	J	sp	< PQL		
4402282261	RISB-4-5.0-20181218	12/18/2018	SW7471	7439-97-6	Mercury	0.020	J	0.013	0.021	mg/kg	J	sp	< PQL		
4402282261	RISB-5-0.5-20181218-FD	12/18/2018	SW7471	7439-97-6	Mercury	0.015	J	0.012	0.021	mg/kg	J	sp	< PQL		
4402075161	MC-65R2-20180329	3/29/2018	E200.7	7440-42-8	Boron	3.2		0.13	0.25	mg/l	J+	m	MS/MSD %R	168,-	70-130 %
4402075161	MC-65R2-20180329	3/29/2018	E200.7	7440-62-2	Vanadium	0.029	J	0.025	0.050	mg/l	J	sp	< PQL		
4402075161	MC-65R2-20180329	3/29/2018	E200.7	7429-90-5	Aluminum		U	0.25	0.50	mg/l	UJ	m	MS/MSD %R	-.64	70-130 %
4402075161	MC-MW-37R2-20180329	3/29/2018	E200.7	7440-42-8	Boron	2.1		0.13	0.25	mg/l	J+	m	MS/MSD %R	168,-	70-130 %
4402075161	MC-MW-37R2-20180329	3/29/2018	E200.7	7429-90-5	Aluminum		U	0.25	0.50	mg/l	UJ	m	MS/MSD %R	-.64	70-130 %
4402075161	PC-170R-20180329	3/29/2018	E200.7	7429-90-5	Aluminum		UF1	0.25	0.50	mg/l	UJ	m	MS/MSD %R	-.64	70-130 %
4402075161	PC-170R-20180329	3/29/2018	E200.7	7440-42-8	Boron	1.9	FI	0.13	0.25	mg/l	J+	m	MS/MSD %R	168,-	70-130 %
4402075161	PC-187R-20180329	3/29/2018	E200.7	7440-42-8	Boron	13		0.13	0.25	mg/l	J+	m	MS/MSD %R	168,-	70-130 %
4402075161	PC-187R-20180329	3/29/2018	E200.7	7429-90-5	Aluminum		U	0.25	0.50	mg/l	UJ	m	MS/MSD %R	-.64	70-130 %
4402075161	PC-40R-20180329	3/29/2018	E200.7	7439-89-6	Iron	2.2		0.25	0.50	mg/l	J+	m	MS/MSD %R	134,-	70-130 %
4402075161	PC-40R-20180329	3/29/2018	E200.7	7429-90-5	Aluminum		U	0.25	0.50	mg/l	UJ	m	MS/MSD %R	-.64	70-130 %
4402075161	PC-40R-20180329	3/29/2018	E200.7	7440-42-8	Boron	2.4		0.13	0.25	mg/l	J+	m	MS/MSD %R	168,-	70-130 %
4402075161	PC-40R-20180329	3/29/2018	E200.7	7429-90-5	Aluminum	2.9		0.25	0.50	mg/l	J+	m	MS/MSD %R	191,174	70-130 %
4402088641	M-224R-20180413	4/13/2018	E200.7	7440-47-3	Chromium (total)	0.023	J	0.013	0.025	mg/l	J	sp	< PQL		
4402088641	M-225R-20180413	4/13/2018	E200.7	7429-90-5	Aluminum	0.052	J	0.050	0.10	mg/l	J	sp	< PQL		
4402088641	M-225R-20180413	4/13/2018	E200.7	7439-89-6	Iron	0.069	J	0.050	0.10	mg/l	J	sp	< PQL		
4402088641	M-228R-20180413	4/13/2018	E200.7	7440-62-2	Vanadium	0.0099	J	0.0050	0.010	mg/l	J	sp	< PQL		
4402088641	M-228R-20180413	4/13/2018	E200.7	7440-47-3	Chromium (total)	0.0039	J	0.0025	0.0050	mg/l	J	sp	< PQL		
4402088641	M-228R-20180413	4/13/2018	E200.7	7440-47-3	Chromium (total)	0.0035	J	0.0025	0.0050	mg/l	J	sp	< PQL		
4402088641	M-228R-20180413	4/13/2018	E200.7	7439-96-5	Manganese	0.019	J	0.015	0.020	mg/l	J	sp	< PQL		
4402123251	PC-157A-20180529	5/29/2018	E200.7	7429-90-5	Aluminum	0.052	J	0.050	0.10	mg/l	J	sp	< PQL		
4402123251	PC-157B-20180529	5/29/2018	E200.7	7429-90-5	Aluminum	0.058	J	0.050	0.10	mg/l	J	sp	< PQL		
4402124221	PC-156B-20180530	5/30/2018	E200.7	7439-89-6	Iron	0.52	B	0.050	0.10	mg/l	J	fd	FD RPD	51	30 %

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte ¹	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator ²	Qualification Finding	Acceptance Criteria
4402124221	PC-156B-20180530-FD	5/30/2018	E200.7	7439-89-6	Iron	0.31	B	0.050	0.10	mg/l	J	fd	FD RPD	51	30 %
4402244261	PC-168-20181114	11/14/2018	E200.7	7440-62-2	Vanadium	0.036	J	0.025	0.050	mg/l	J	sp	< PQL		
4402244261	PC-172D-20181114	11/14/2018	E200.7	7439-89-6	Iron	0.14	J	0.10	0.20	mg/l	J	sp	< PQL		
4402244261	PC-172D-20181114	11/14/2018	E200.7	7429-90-5	Aluminum	0.10	J	0.10	0.20	mg/l	J	sp	< PQL		
4402245421	PC-155A-20181115	11/15/2018	E200.7	7429-90-5	Aluminum	0.21		0.050	0.10	mg/l	J	fd	FD RPD	75	30 %
4402245421	PC-155A-20181115	11/15/2018	E200.7	7439-89-6	Iron	0.17		0.050	0.10	mg/l	J	fd	FD RPD	76	30 %
4402245421	PC-155A-20181115-FD	11/15/2018	E200.7	7439-89-6	Iron	0.38		0.050	0.10	mg/l	J	fd	FD RPD	76	30 %
4402245421	PC-155A-20181115-FD	11/15/2018	E200.7	7429-90-5	Aluminum	0.46		0.050	0.10	mg/l	J	fd	FD RPD	75	30 %
4402245421	PC-157B-20181115	11/15/2018	E200.7	7429-90-5	Aluminum	0.053	J	0.050	0.10	mg/l	J	sp	< PQL		
4402246531	-20181116EB	11/16/2018	E200.7	7439-89-6	Iron	0.068	J	0.050	0.10	mg/l	J	sp	< PQL		
4402246531	PC-156B-20181116	11/16/2018	E200.7	7429-90-5	Aluminum	0.056	J	0.050	0.10	mg/l	J	bf,sp	EB contamination; < PQL	0.13	0.10 mg/L
4402246531	PC-156B-20181116	11/16/2018	E200.7	7439-89-6	Iron	0.052	J	0.050	0.10	mg/l	J	bf,sp	EB contamination; < PQL	0.068	0.10 mg/L
4402298081	M-268-20190110	1/10/2019	E200.7	7439-89-6	Iron	0.063	J	0.050	0.10	mg/l	J	sp	< PQL		
4402337791	M-160-20190215	2/15/2019	E200.7	7440-62-2	Vanadium	0.045	J	0.025	0.050	mg/l	J	sp	< PQL		
4402343381	M-271-20190221_EB	2/21/2019	E200.7	7439-95-4	Magnesium	0.016	J	0.010	0.020	mg/l	J	sp	< PQL		
4402359771	M-269-20190311	3/11/2019	E200.7	7440-62-2	Vanadium	0.0065	J	0.0050	0.010	mg/l	J	sp	< PQL		
4402362141	M-260-20190313	3/13/2019	E200.7	7440-62-2	Vanadium	0.0059	J	0.0050	0.010	mg/l	J	sp	< PQL		
4402362141	M-261-20190313	3/13/2019	E200.7	7440-62-2	Vanadium	0.0096	J	0.0050	0.010	mg/l	J	sp	< PQL		
4402362141	M-261-20190313	3/13/2019	E200.7	7439-96-5	Manganese	0.019	J	0.015	0.020	mg/l	J	sp	< PQL		
4402363241	M-262-20190314	3/14/2019	E200.7	7440-62-2	Vanadium	0.0095	J	0.0050	0.010	mg/l	J	sp	< PQL		
4402363241	M-262-20190314-FD	3/14/2019	E200.7	7440-62-2	Vanadium	0.0098	J	0.0050	0.010	mg/l	J	sp	< PQL		
4402363241	M-262-20190314-FD	3/14/2019	E200.7	7440-47-3	Chromium (total)	0.0028	J	0.0025	0.0050	mg/l	J	sp	< PQL		
4402363241	M-263-20190314	3/14/2019	E200.7	7440-62-2	Vanadium	0.0099	J	0.0050	0.010	mg/l	J	sp	< PQL		
4402088641	M-224R-20180413	4/13/2018	E218.6	18540-29-9	Chromium VI	2.8	H	0.25	1.0	ug/l	J-	h	Holding time	72	24 hours
4402088641	M-225R-20180413	4/13/2018	E218.6	18540-29-9	Chromium VI	17	H	0.25	1.0	ug/l	J-	h	Holding time	72	24 hours
4402088641	M-228R-20180413	4/13/2018	E218.6	18540-29-9	Chromium VI	1.4		0.25	1.0	ug/l	J-	h	Holding time	3 days	24 hours
4402343381	M-270-20190221	2/21/2019	E218.6	18540-29-9	Chromium VI	23	H	0.25	1.0	ug/l	J-	h	Holding time	37.80	24 hours
4402343381	M-270-20190221_FD	2/21/2019	E218.6	18540-29-9	Chromium VI	23	H	0.25	1.0	ug/l	J-	h	Holding time	37.77	24 hours
4402363241	M-262-20190314	3/14/2019	E218.6	18540-29-9	Chromium VI		UH	0.25	1.0	ug/l	UJ	h	Holding time	26.52	48 hours
4402363241	M-262-20190314-FD	3/14/2019	E218.6	18540-29-9	Chromium VI		UH	0.25	1.0	ug/l	UJ	h	Holding time	26.65	48 hours
4402207711	RISB-ER-02-1.0-20180924	9/24/2018	SW7199	18540-29-9	Chromium VI	0.26	J	0.15	0.31	mg/kg	J	sp	< PQL		
4402275491	RIDB-35-20-20181212	12/12/2018	SW7199	18540-29-9	Chromium VI	0.18	J	0.16	0.32	mg/kg	J	sp	< PQL		
4402282261	RISB-1-32.0-20181218	12/18/2018	SW7199	18540-29-9	Chromium VI	0.47	J	0.24	0.48	mg/kg	J+	m,sp	MS %R; < PQL	113	%
4402282261	RISB-2-32.0-20181218	12/18/2018	SW7199	18540-29-9	Chromium VI	0.51		0.25	0.50	mg/kg	J+	m	MS %R	123	%
4402282261	RISB-3-32.0-20181218	12/18/2018	SW7199	18540-29-9	Chromium VI	1.3		0.24	0.47	mg/kg	J+	m	MS %R	123	%
4402282261	RISB-4-25.5-20181218	12/18/2018	SW7199	18540-29-9	Chromium VI	0.39		0.19	0.38	mg/kg	J+	m	MS %R	123	%
4402282261	RISB-4-27.5-20181218	12/18/2018	SW7199	18540-29-9	Chromium VI	1.0		0.23	0.46	mg/kg	J+	m	MS %R	123	%
4402282261	RISB-4-30.0-20181218	12/18/2018	SW7199	18540-29-9	Chromium VI	1.1		0.21	0.42	mg/kg	J+	m	MS %R	123	%
4402282261	RISB-5-23.0-20181218	12/18/2018	SW7199	18540-29-9	Chromium VI	0.23	J	0.17	0.34	mg/kg	J	sp	< PQL		
4402282261	RISB-5-23.0-20181218-FD	12/18/2018	SW7199	18540-29-9	Chromium VI	0.22	J	0.17	0.34	mg/kg	J	sp	< PQL		
4402074651	PCDB-6-50.0-20180328	3/28/2018	NO3NO3_Calc	NO3/NO2-N	Nitrate Nitrite as N	2.0	J	1.8	2.4	mg/kg	J	sp	< PQL		
4402088641	M-224R-20180413	4/13/2018	E300	14797-55-8_NO3	Nitrate as NO3	3.5	J	2.5	5.0	mg/l	J	sp	< PQL		
4402088641	M-224R-20180413	4/13/2018	NO2NO3_Calc	NO3/NO2-N	Nitrate Nitrite as N	790	J	700	1500	ug/l	J	sp	< PQL		
4402088641	M-227R-20180413	4/13/2018	NO2NO3_Calc	NO3/NO2-N	Nitrate Nitrite as N	2900	J	1400	3000	ug/l	J	sp	< PQL		
4402088641	M-228R-20180413	4/13/2018	E300	14797-65-0_N	Nitrite as N	120	JF1	70	150	ug/l	J+	m,sp	MS/MSD %R; < PQL	168,173	80-120 %
4402088641	M-228R-20180413	4/13/2018	E300	24959-67-9	Bromide	250	JF1	250	500	ug/l	J+	m,sp	MS/MSD %R; < PQL	124,127	80-120 %
4402088641	M-228R-20180413	4/13/2018	NO2NO3_Calc	NO3/NO2-N	Nitrate Nitrite as N	980		70	150	ug/l	J+	m	MS/MSD %R	168,173	80-120 %
4402124221	PC-156B-20180530	5/30/2018	E300	14797-55-8_N	Nitrate as N	160	J	110	220	ug/l	J	sp	< PQL		
4402124221	PC-156B-20180530	5/30/2018	E300	14797-55-8_NO3	Nitrate as NO3	0.72	J	0.50	1.0	mg/l	J	sp	< PQL		
4402124221	PC-156B-20180530	5/30/2018	NO2NO3_Calc	NO3/NO2-N	Nitrate Nitrite as N	160	J	140	300	ug/l	J	sp	< PQL		
4402124221	PC-156B-20180530-FD	5/30/2018	E300	14797-55-8_NO3	Nitrate as NO3	0.71	J	0.50	1.0	mg/l	J	sp	< PQL		
4402124221	PC-156B-20180530-FD	5/30/2018	E300	14797-55-8_N	Nitrate as N	160	J	110	220	ug/l	J	sp	< PQL		
4402124221	PC-156B-20180530-FD	5/30/2018	NO2NO3_Calc	NO3/NO2-N	Nitrate Nitrite as N	160	J	140	300	ug/l	J	sp	< PQL		
4402245421	PC-155A-20181115-FD	11/15/2018	E300	24959-67-9	Bromide	1.6	J	1.3	2.5	mg/l	J	sp	< PQL		
4402246531	-20181116EB	11/16/2018	E300	14808-79-8	Sulfate	260	J	250	500	ug/l	J	sp	< PQL		
4402246531	PC-156B-20181116	11/16/2018	E300	14797-55-8_NO3	Nitrate as NO3	0.77	J	0.50	1.0	mg/l	J	sp	< PQL		

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte ¹	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator ²	Qualification Finding	Acceptance Criteria
4402246531	PC-156B-20181116	11/16/2018	NO2NO3_Calc	NO3/NO2-N	Nitrate Nitrite as N	170	J	110	300	ug/l	J	sp	< PQL		
4402275491	RIDB-35-140-20181212	12/12/2018	NO2NO3_Calc	NO3/NO2-N	Nitrate Nitrite as N	2.7	J	2.4	3.3	mg/kg	J	sp	< PQL		
4402276791	RIDB-34-10-20181213	12/13/2018	E300	14797-55-8_NO3	Nitrate as NO3	55		3.7	5.3	mg/kg	J+	m	MS/MSD %R	149,193	80-120 %
4402276791	RIDB-34-10-20181213	12/13/2018	NO2NO3_Calc	NO3/NO2-N	Nitrate Nitrite as N	39		1.2	1.6	mg/kg	J+	m	MS/MSD %R	149,193	80-120 %
4402276791	RIDB-34-110-20181213	12/13/2018	E300	14797-55-8_NO3	Nitrate as NO3	8.0	J	6.3	8.9	mg/kg	J+	m,sp	MS/MSD %R; < PQL	149,193	80-120 %
4402276791	RIDB-34-120-20181213	12/13/2018	E300	14797-55-8_NO3	Nitrate as NO3	5.9	J	5.4	7.7	mg/kg	J+	m,sp	MS/MSD %R; < PQL	149,193	80-120 %
4402276791	RIDB-34-130-20181213	12/13/2018	E300	14797-55-8_NO3	Nitrate as NO3	6.6	J	6.3	9.0	mg/kg	J+	m,sp	MS/MSD %R; < PQL	149,193	80-120 %
4402276791	RIDB-34-150-20181213	12/13/2018	E300	14797-55-8_NO3	Nitrate as NO3	6.3	J	5.5	7.9	mg/kg	J+	m,sp	MS/MSD %R; < PQL	149,193	80-120 %
4402276791	RIDB-34-20-20181213	12/13/2018	E300	14797-55-8_NO3	Nitrate as NO3	31		4.1	5.8	mg/kg	J+	m	MS/MSD %R	149,193	80-120 %
4402276791	RIDB-34-20-20181213	12/13/2018	NO2NO3_Calc	NO3/NO2-N	Nitrate Nitrite as N	42		1.3	1.7	mg/kg	J+	m	MS/MSD %R	149,193	80-120 %
4402276791	RIDB-34-30-20181213	12/13/2018	E300	14797-55-8_NO3	Nitrate as NO3	48		4.9	7.1	mg/kg	J+	m	MS/MSD %R	149,193	80-120 %
4402276791	RIDB-34-30-20181213	12/13/2018	NO2NO3_Calc	NO3/NO2-N	Nitrate Nitrite as N	11		1.6	2.1	mg/kg	J+	m	MS/MSD %R	149,193	80-120 %
4402276791	RIDB-34-40-20181213	12/13/2018	E300	14797-55-8_NO3	Nitrate as NO3	66		5.0	7.2	mg/kg	J+	m	MS/MSD %R	149,193	80-120 %
4402276791	RIDB-34-40-20181213	12/13/2018	NO2NO3_Calc	NO3/NO2-N	Nitrate Nitrite as N	15		1.6	2.2	mg/kg	J+	m	MS/MSD %R	149,193	80-120 %
4402276791	RIDB-34-50-20181213	12/13/2018	E300	14797-55-8_NO3	Nitrate as NO3	67	FI	5.6	8.1	mg/kg	J+	m	MS/MSD %R	149,193	80-120 %
4402276791	RIDB-34-50-20181213	12/13/2018	NO2NO3_Calc	NO3/NO2-N	Nitrate Nitrite as N	15		1.8	2.4	mg/kg	J+	m	MS/MSD %R	149,193	80-120 %
4402276791	RIDB-34-60-20181213	12/13/2018	E300	14797-55-8_NO3	Nitrate as NO3	79		6.4	9.2	mg/kg	J+	m	MS/MSD %R	149,193	80-120 %
4402276791	RIDB-34-60-20181213	12/13/2018	NO2NO3_Calc	NO3/NO2-N	Nitrate Nitrite as N	18		2.0	2.8	mg/kg	J+	m	MS/MSD %R	149,193	80-120 %
4402276791	RIDB-34-70-20181213	12/13/2018	E300	14797-55-8_NO3	Nitrate as NO3	7.6	J	6.0	8.5	mg/kg	J+	m,sp	MS/MSD %R; < PQL	149,193	80-120 %
4402276791	RIDB-34-70-20181213-FD	12/13/2018	E300	14797-55-8_NO3	Nitrate as NO3	6.2	J	5.6	8.1	mg/kg	J+	m,sp	MS/MSD %R; < PQL	149,193	80-120 %
4402276791	RIDB-34-80-20181213	12/13/2018	E300	14797-55-8_NO3	Nitrate as NO3	5.5	J	5.0	7.1	mg/kg	J+	m,sp	MS/MSD %R; < PQL	149,193	80-120 %
4402276791	RIDB-34-90-20181213	12/13/2018	E300	14797-55-8_NO3	Nitrate as NO3	4.7	J	4.5	6.5	mg/kg	J+	m,sp	MS/MSD %R; < PQL	149,193	80-120 %
4402276791	RIDB-36-10-20181213	12/13/2018	E300	14797-55-8_NO3	Nitrate as NO3	32		3.9	5.5	mg/kg	J+	m	MS/MSD %R	149,193	80-120 %
4402276791	RIDB-36-10-20181213	12/13/2018	NO2NO3_Calc	NO3/NO2-N	Nitrate Nitrite as N	7.3		1.2	1.7	mg/kg	J+	m	MS/MSD %R	149,193	80-120 %
4402276791	RIDB-36-1-20181213	12/13/2018	E300	14797-55-8_NO3	Nitrate as NO3	42		3.7	5.2	mg/kg	J+	m	MS/MSD %R	149,193	80-120 %
4402276791	RIDB-36-1-20181213	12/13/2018	NO2NO3_Calc	NO3/NO2-N	Nitrate Nitrite as N	9.4		1.1	1.6	mg/kg	J+	m	MS/MSD %R	149,193	80-120 %
4402276791	RIDB-36-5-20181213	12/13/2018	E300	14797-55-8_NO3	Nitrate as NO3	31		3.7	5.3	mg/kg	J+	m	MS/MSD %R	149,193	80-120 %
4402276791	RIDB-36-5-20181213	12/13/2018	NO2NO3_Calc	NO3/NO2-N	Nitrate Nitrite as N	6.9		1.2	1.6	mg/kg	J+	m	MS/MSD %R	149,193	80-120 %
4402279111	RIDB-36-100-20181214	12/14/2018	E300	14797-55-8_NO3	Nitrate as NO3	6.9	J	6.3	9.0	mg/kg	J	sp	< PQL		
4402279111	RIDB-36-90-20181214	12/14/2018	E300	14797-55-8_NO3	Nitrate as NO3	6.7	J	6.4	9.1	mg/kg	J	sp	< PQL		
4402281671	M-260-20181213	12/13/2018	E300	14797-55-8_NO3	Nitrate as NO3	2.6	H	0.25	0.50	mg/l	J-	h	Holding time	130.37	48 hours
4402281671	M-261-20181213	12/13/2018	E300	14797-55-8_NO3	Nitrate as NO3	7.7	JH	5.0	10	mg/l	J-	h,sp	Holding time; < PQL	128.48	48 hours
4402281671	M-262-20181213	12/13/2018	E300	14797-55-8_NO3	Nitrate as NO3	5.2	H	0.25	0.50	mg/l	J-	h	Holding time	127.12	48 hours
4402281671	M-263-20181214	12/14/2018	E300	14797-55-8_NO3	Nitrate as NO3	12	H	2.5	5.0	mg/l	J-	h	Holding time	130.02	48 hours
4402281671	M-264-20181214	12/14/2018	E300	14797-55-8_NO3	Nitrate as NO3	5.1	H	0.25	0.50	mg/l	J-	h	Holding time	127.50	48 hours
4402281671	M-265-20181214	12/14/2018	E300	14797-55-8_NO3	Nitrate as NO3	4.6	H	0.25	0.50	mg/l	J-	h	Holding time	125.00	48 hours
4402282261	RISB-1-0.5-20181218	12/18/2018	E300	16887-00-6	Chloride	1400		87	110	mg/kg	J+	m	MS/MSD %R	-,124	80-120 %
4402282261	RISB-1-0.5-20181218	12/18/2018	E300	14265-44-2PO4	Orthophosphate (total) (As PO4)	40		4.3	5.4	mg/kg	J-	m	MS/MSD %R	61.68; 73.65	80-120 %
4402282261	RISB-1-10.0-20181218	12/18/2018	E300	14265-44-2PO4	Orthophosphate (total) (As PO4)		U	4.4	5.5	mg/kg	UJ	m	MS/MSD %R	61.68; 73.65	80-120 %
4402282261	RISB-1-10.0-20181218	12/18/2018	E300	16887-00-6	Chloride	670		88	110	mg/kg	J+	m	MS/MSD %R	-,124	80-120 %
4402282261	RISB-1-15.0-20181218	12/18/2018	E300	14265-44-2PO4	Orthophosphate (total) (As PO4)	6.5		4.2	5.3	mg/kg	J-	m	MS/MSD %R	61.68; 73.65	80-120 %
4402282261	RISB-1-15.0-20181218	12/18/2018	E300	14797-55-8_NO3	Nitrate as NO3	4.4	J	3.7	5.3	mg/kg	J-	sp	< PQL		
4402282261	RISB-1-15.0-20181218	12/18/2018	E300	16887-00-6	Chloride	200		4.2	5.3	mg/kg	J+	m	MS/MSD %R	-,124	80-120 %
4402282261	RISB-1-20.0-20181218	12/18/2018	E300	14265-44-2PO4	Orthophosphate (total) (As PO4)		U	4.2	5.3	mg/kg	UJ	m	MS/MSD %R	61.68; 73.65	80-120 %
4402282261	RISB-1-20.0-20181218	12/18/2018	E300	16887-00-6	Chloride	86		4.2	5.3	mg/kg	J+	m	MS/MSD %R	-,124	80-120 %
4402282261	RISB-1-25.0-20181218	12/18/2018	E300	14265-44-2PO4	Orthophosphate (total) (As PO4)	63		4.5	5.6	mg/kg	J-	m	MS/MSD %R	61.68; 73.65	80-120 %
4402282261	RISB-1-25.0-20181218	12/18/2018	E300	16887-00-6	Chloride	93		4.5	5.6	mg/kg	J+	m	MS/MSD %R	-,124	80-120 %
4402282261	RISB-1-30.0-20181218	12/18/2018	E300	16887-00-6	Chloride	110		4.5	5.6	mg/kg	J+	m	MS/MSD %R	-,124	80-120 %
4402282261	RISB-1-30.0-20181218	12/18/2018	E300	14265-44-2PO4	Orthophosphate (total) (As PO4)	120		4.5	5.6	mg/kg	J-	m	MS/MSD %R	61.68; 73.65	80-120 %
4402282261	RISB-1-32.0-20181218	12/18/2018	E300	14265-44-2PO4	Orthophosphate (total) (As PO4)	660		32	40	mg/kg	J-	m	MS/MSD %R	61.68; 73.65	80-120 %
4402282261	RISB-1-32.0-20181218	12/18/2018	E300	16887-00-6	Chloride	380		32	40	mg/kg	J+	m	MS/MSD %R	-,124	80-120 %
4402282261	RISB-1-5.0-20181218	12/18/2018	E300	14265-44-2PO4	Orthophosphate (total) (As PO4)	11		4.3	5.3	mg/kg	J-	m	MS/MSD %R	61.68; 73.65	80-120 %
4402282261	RISB-1-5.0-20181218	12/18/2018	E300	16887-00-6	Chloride	300		21	27	mg/kg	J+	m	MS/MSD %R	-,124	80-120 %
4402282261	RISB-2-0.5-20181218	12/18/2018	E300	14265-44-2PO4	Orthophosphate (total) (As PO4)		U	4.1	5.2	mg/kg	UJ	m	MS/MSD %R	61.68; 73.65	80-120 %
4402282261	RISB-2-0.5-20181218	12/18/2018	E300	16887-00-6	Chloride	65		4.1	5.2	mg/kg	J+	m	MS/MSD %R	-,124	80-120 %
4402282261	RISB-2-10.0-20181218	12/18/2018	E300	16887-00-6	Chloride	470		44	55	mg/kg	J+	m	MS/MSD %R	-,124	80-120 %

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte ¹	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator ²	Qualification Finding	Acceptance Criteria
4402282261	RISB-2-10.0-20181218	12/18/2018	E300	24959-67-9	Bromide	3.8	J	3.8	5.5	mg/kg	J	sp	< PQL		
4402282261	RISB-2-10.0-20181218	12/18/2018	E300	14265-44-2PO4	Orthophosphate (total) (As PO4)	5.0	J	4.4	5.5	mg/kg	J-	m,sp	MS/MSD %R; < PQL	61,68; 73,65	80-120 %
4402282261	RISB-2-10.0-20181218-FD	12/18/2018	E300	16887-00-6	Chloride	450		44	55	mg/kg	J+	m	MS/MSD %R	-,124	80-120 %
4402282261	RISB-2-10.0-20181218-FD	12/18/2018	E300	14265-44-2PO4	Orthophosphate (total) (As PO4)	5.2	J	4.4	5.5	mg/kg	J-	m,sp	MS/MSD %R; < PQL	61,68; 73,65	80-120 %
4402282261	RISB-2-15.0-20181218	12/18/2018	E300	16887-00-6	Chloride	680		88	110	mg/kg	J+	m	MS/MSD %R	-,124	80-120 %
4402282261	RISB-2-15.0-20181218	12/18/2018	E300	24959-67-9	Bromide	5.4	J	3.9	5.5	mg/kg	J	sp	< PQL		
4402282261	RISB-2-15.0-20181218	12/18/2018	E300	14265-44-2PO4	Orthophosphate (total) (As PO4)	5.8		4.4	5.5	mg/kg	J-	m	MS/MSD %R	61,68; 73,65	80-120 %
4402282261	RISB-2-20.0-20181218	12/18/2018	E300	14265-44-2PO4	Orthophosphate (total) (As PO4)	5.8		4.4	5.5	mg/kg	J-	m	MS/MSD %R	61,68; 73,65	80-120 %
4402282261	RISB-2-20.0-20181218	12/18/2018	E300	24959-67-9	Bromide	4.2	J	3.8	5.5	mg/kg	J	sp	< PQL		
4402282261	RISB-2-20.0-20181218	12/18/2018	E300	16887-00-6	Chloride	410		44	55	mg/kg	J+	m	MS/MSD %R	-,124	80-120 %
4402282261	RISB-2-25.0-20181218	12/18/2018	E300	14265-44-2PO4	Orthophosphate (total) (As PO4)		UF1	4.3	5.4	mg/kg	UJ	m	MS/MSD %R	61,68; 73,65	80-120 %
4402282261	RISB-2-25.0-20181218	12/18/2018	E300	16887-00-6	Chloride	120	F1	4.3	5.4	mg/kg	J+	m	MS/MSD %R	-,124	80-120 %
4402282261	RISB-2-30.0-20181218	12/18/2018	E300	16887-00-6	Chloride	140		4.7	5.8	mg/kg	J+	m	MS/MSD %R	-,124	80-120 %
4402282261	RISB-2-30.0-20181218	12/18/2018	E300	14265-44-2PO4	Orthophosphate (total) (As PO4)	210		4.7	5.8	mg/kg	J-	m	MS/MSD %R	61,68; 73,65	80-120 %
4402282261	RISB-2-32.0-20181218	12/18/2018	E300	14265-44-2PO4	Orthophosphate (total) (As PO4)	750		33	41	mg/kg	J-	m	MS/MSD %R	61,68; 73,65	80-120 %
4402282261	RISB-2-32.0-20181218	12/18/2018	E300	16887-00-6	Chloride	410		33	41	mg/kg	J+	m	MS/MSD %R	-,124	80-120 %
4402282261	RISB-2-5.0-20181218	12/18/2018	E300	16887-00-6	Chloride	110		4.2	5.3	mg/kg	J+	m	MS/MSD %R	-,124	80-120 %
4402282261	RISB-2-5.0-20181218	12/18/2018	E300	14265-44-2PO4	Orthophosphate (total) (As PO4)		U	4.2	5.3	mg/kg	UJ	m	MS/MSD %R	61,68; 73,65	80-120 %
4402282261	RISB-3-0.5-20181218	12/18/2018	E300	14265-44-2PO4	Orthophosphate (total) (As PO4)	6.0		4.1	5.1	mg/kg	J-	m	MS/MSD %R	61,68; 73,65	80-120 %
4402282261	RISB-3-0.5-20181218	12/18/2018	E300	16887-00-6	Chloride	150		4.1	5.1	mg/kg	J+	m	MS/MSD %R	-,124	80-120 %
4402282261	RISB-3-10.0-20181218	12/18/2018	E300	16887-00-6	Chloride	480		44	55	mg/kg	J+	m	MS/MSD %R	-,124	80-120 %
4402282261	RISB-3-10.0-20181218	12/18/2018	E300	24959-67-9	Bromide	4.2	J	3.9	5.5	mg/kg	J	sp	< PQL		
4402282261	RISB-3-10.0-20181218	12/18/2018	E300	14265-44-2PO4	Orthophosphate (total) (As PO4)	18	F1	4.4	5.5	mg/kg	J-	m	MS/MSD %R	61,68; 73,65	80-120 %
4402282261	RISB-3-20.0-20181218	12/18/2018	E300	24959-67-9	Bromide	3.9	J	3.7	5.3	mg/kg	J	sp	< PQL		
4402282261	RISB-3-20.0-20181218-FD	12/18/2018	E300	24959-67-9	Bromide	3.9	J	3.8	5.4	mg/kg	J	sp	< PQL		
4402282261	RISB-3-25.0-20181218	12/18/2018	E300	24959-67-9	Bromide	4.3	J	3.9	5.6	mg/kg	J	sp	< PQL		
4402282261	RISB-3-5.0-20181218	12/18/2018	E300	16887-00-6	Chloride	310		21	26	mg/kg	J+	m	MS/MSD %R	-,124	80-120 %
4402282261	RISB-3-5.0-20181218	12/18/2018	E300	14265-44-2PO4	Orthophosphate (total) (As PO4)	44		4.2	5.2	mg/kg	J-	m	MS/MSD %R	61,68; 73,65	80-120 %
4402282261	RISB-4-15.0-20181218	12/18/2018	E300	14797-55-8_NO3	Nitrate as NO3	4.2	JF1	3.7	5.3	mg/kg	J+	m,sp	MS/MSD %R; < PQL	173,168	80-120 %
4402282261	RISB-5-0.5-20181218	12/18/2018	E300	14808-79-8	Sulfate	150		4.1	5.2	mg/kg	J	fd	FD RPD	67	50 %
4402282261	RISB-5-0.5-20181218	12/18/2018	E300	16887-00-6	Chloride	61		4.1	5.2	mg/kg	J	fd	FD RPD	77	50 %
4402282261	RISB-5-0.5-20181218-FD	12/18/2018	E300	14808-79-8	Sulfate	75		4.2	5.2	mg/kg	J	fd	FD RPD	67	50 %
4402282261	RISB-5-0.5-20181218-FD	12/18/2018	E300	16887-00-6	Chloride	27		4.2	5.2	mg/kg	J	fd	FD RPD	77	50 %
4402282261	RISB-5-10.0-20181218	12/18/2018	E300	14265-44-2PO4	Orthophosphate (total) (As PO4)	32		4.3	5.4	mg/kg	J	m,ld	MS/MSD %R and RPD	-,12; 35,27; 89; 28	80-120; 20 %
4402282261	RISB-5-15.0-20181218	12/18/2018	E300	14265-44-2PO4	Orthophosphate (total) (As PO4)	25	F1F2	4.2	5.3	mg/kg	J	m,ld	MS/MSD %R and RPD	-,12; 35,27; 89; 28	80-120; 20 %
4402282261	RISB-5-15.0-20181218	12/18/2018	E300	14797-65-0_N	Nitrite as N		UF1F2	1.2	1.6	mg/kg	UJ	ld	MS/MSD RPD	39	20 %
4402282261	RISB-5-15.0-20181218	12/18/2018	E300	24959-67-9	Bromide		UF2	3.7	5.3	mg/kg	UJ	ld	MS/MSD RPD	26	20 %
4402282261	RISB-5-15.0-20181218	12/18/2018	E300	14808-79-8	Sulfate	670		42	53	mg/kg	J	ld	MS/MSD RPD	25	20 %
4402282261	RISB-5-15.0-20181218	12/18/2018	NO2NO3_Calc	NO3/NO2-N	Nitrate Nitrite as N	2.3		1.2	1.6	mg/kg	J	ld	MS/MSD RPD	39	20 %
4402282261	RISB-5-20.0-20181218	12/18/2018	E300	14265-44-2PO4	Orthophosphate (total) (As PO4)		UF1	4.4	5.5	mg/kg	UJ	m	MS/MSD %R	69,75	80-120 %
4402282261	RISB-5-20.0-20181218	12/18/2018	E300	14797-55-8_NO3	Nitrate as NO3	9.3	F1	3.9	5.5	mg/kg	J+	m	MS/MSD %R	132,126	80-120 %
4402282261	RISB-5-20.0-20181218	12/18/2018	NO2NO3_Calc	NO3/NO2-N	Nitrate Nitrite as N	2.1		1.2	1.7	mg/kg	J+	m	MS/MSD %R	132,126	80-120 %
4402282261	RISB-5-23.0-20181218	12/18/2018	E300	14797-55-8_NO3	Nitrate as NO3	13		3.9	5.5	mg/kg	J	m,fd	MS/MSD %R; FD RPD	132,126; 51	80-120; 50 %
4402282261	RISB-5-23.0-20181218	12/18/2018	E300	14265-44-2PO4	Orthophosphate (total) (As PO4)		U	4.4	5.5	mg/kg	UJ	m	MS/MSD %R	69,75	80-120 %
4402282261	RISB-5-23.0-20181218	12/18/2018	NO2NO3_Calc	NO3/NO2-N	Nitrate Nitrite as N	3.0		1.2	1.7	mg/kg	J+	m	MS/MSD %R	132,126	80-120 %
4402282261	RISB-5-23.0-20181218-FD	12/18/2018	E300	14265-44-2PO4	Orthophosphate (total) (As PO4)	6.9		4.5	5.6	mg/kg	J-	m	MS/MSD %R	69,75	80-120 %
4402282261	RISB-5-23.0-20181218-FD	12/18/2018	E300	14797-55-8_NO3	Nitrate as NO3	22		3.9	5.6	mg/kg	J	m,fd	MS/MSD %R; FD RPD	132,126; 51	80-120; 50 %
4402282261	RISB-5-23.0-20181218-FD	12/18/2018	NO2NO3_Calc	NO3/NO2-N	Nitrate Nitrite as N	5.0		1.2	1.7	mg/kg	J+	m	MS/MSD %R	132,126	80-120 %
4402282261	RISB-5-25.0-20181218	12/18/2018	E300	14797-55-8_NO3	Nitrate as NO3	68		5.1	7.3	mg/kg	J+	m	MS/MSD %R	132,126	80-120 %
4402282261	RISB-5-25.0-20181218	12/18/2018	E300	14265-44-2PO4	Orthophosphate (total) (As PO4)		U	5.9	7.3	mg/kg	UJ	m	MS/MSD %R	69,75	80-120 %
4402282261	RISB-5-25.0-20181218	12/18/2018	NO2NO3_Calc	NO3/NO2-N	Nitrate Nitrite as N	15		1.6	2.2	mg/kg	J+	m	MS/MSD %R	132,126	80-120 %
4402296191	M-267-20190109	1/9/2019	E300	24959-67-9	Bromide	340	J	250	500	ug/l	J	sp	< PQL		
4402337791	M-159-20190215	2/15/2019	E300	24959-67-9	Bromide	770	J	500	1000	ug/l	J+	m,sp	MS/MSD %R; < PQL	-,122	80-120 %
4402337791	M-269-20190215	2/15/2019	E300	24959-67-9	Bromide	6900	J	5000	10000	ug/l	J+	m,sp	MS/MSD %R; < PQL	-,122	80-120 %
4402343381	M-271-20190221	2/21/2019	E300	24959-67-9	Bromide	250	J	250	500	ug/l	J	sp	< PQL		
4402359771	M-269-20190311	3/11/2019	E300	24959-67-9	Bromide	23000	J	13000	25000	ug/l	J	sp	< PQL		

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte ¹	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator ²	Qualification Finding	Acceptance Criteria
4402362141	M-260-20190313	3/13/2019	E300	7723-14-0P	Orthophosphate (total) (As P)	370	F1	40	160	ug/l	J+	m	MS/MSD %R	265,283	80-120 %
4402362141	M-260-20190313	3/13/2019	E300	24959-67-9	Bromide	310	JF1	250	500	ug/l	J+	m,sp	MS/MSD %R; < PQL	134,137	80-120 %
4402362141	M-260-20190313	3/13/2019	E300	14797-55-8_NO3	Nitrate as NO3	0.27	JF1	0.25	0.50	mg/l	J+	m,sp	MS/MSD %R; < PQL	133,135	80-120 %
4402362141	M-260-20190313	3/13/2019	NO2NO3_Calc	NO3/NO2-N	Nitrate Nitrite as N	62	J	55	150	ug/l	J+	m,sp	MS/MSD %R; < PQL	133,135	80-120 %
4402363241	M-262-20190314	3/14/2019	E300	24959-67-9	Bromide	260	JF1	250	500	ug/l	J+	m,sp	MS/MSD %R; < PQL	-,121	80-120 %
4402363241	M-262-20190314	3/14/2019	E300	14797-55-8_NO3	Nitrate as NO3	0.44	J	0.25	0.50	mg/l	J	sp	< PQL		
4402363241	M-262-20190314	3/14/2019	E300	7723-14-0P	Orthophosphate (total) (As P)	170	F1	40	160	ug/l	J+	m	MS/MSD %R	159,172	80-120 %
4402363241	M-262-20190314	3/14/2019	NO2NO3_Calc	NO3/NO2-N	Nitrate Nitrite as N	99	J	55	150	ug/l	J	sp	< PQL		
4402363241	M-262-20190314-FD	3/14/2019	E300	24959-67-9	Bromide	250	J	250	500	ug/l	J+	m,sp	MS/MSD %R; < PQL	-,121	80-120 %
4402363241	M-262-20190314-FD	3/14/2019	E300	7723-14-0P	Orthophosphate (total) (As P)	150	J	40	160	ug/l	J+	m,sp	MS/MSD %R; < PQL	159,172	80-120 %
4402363241	M-262-20190314-FD	3/14/2019	E300	14797-55-8_NO3	Nitrate as NO3	0.44	J	0.25	0.50	mg/l	J	sp	< PQL		
4402363241	M-262-20190314-FD	3/14/2019	NO2NO3_Calc	NO3/NO2-N	Nitrate Nitrite as N	100	J	55	150	ug/l	J	sp	< PQL		
4402363241	M-263-20190314	3/14/2019	E300	14797-55-8_NO3	Nitrate as NO3	5.6	J	5.0	10	mg/l	J	sp	< PQL		
4402363241	M-263-20190314	3/14/2019	NO2NO3_Calc	NO3/NO2-N	Nitrate Nitrite as N	1300	J	1100	3000	ug/l	J	sp	< PQL		
4402363241	M-264-20190314	3/14/2019	E300	24959-67-9	Bromide	310	J	250	500	ug/l	J	sp	< PQL		
4402363241	M-267-20190314	3/14/2019	E300	7723-14-0P	Orthophosphate (total) (As P)	68	J	40	160	ug/l	J	sp	< PQL		
4402363241	M-267-20190314	3/14/2019	E300	24959-67-9	Bromide	370	J	250	500	ug/l	J	sp	< PQL		
4402363241	M-268-20190314	3/14/2019	E300	24959-67-9	Bromide	270	J	250	500	ug/l	J	sp	< PQL		
4402363241	M-268-20190314	3/14/2019	E300	7723-14-0P	Orthophosphate (total) (As P)	140	J	40	160	ug/l	J	sp	< PQL		
4402363941	M-265-20190315	3/15/2019	E300	24959-67-9	Bromide	470	J	250	500	ug/l	J	sp	< PQL		
4402363941	M-265-20190315	3/15/2019	E300	7723-14-0P	Orthophosphate (total) (As P)	130	J	40	160	ug/l	J	sp	< PQL		
4402363941	M-266-20190315	3/15/2019	E300	24959-67-9	Bromide	290	J	250	500	ug/l	J	sp	< PQL		
4402074651	PCDB-6-90.0-20180328	3/28/2018	E300.1	14866-68-3	Chlorate	0.15	J	0.066	0.26	mg/kg	J	sp	< PQL		
4402207711	RISB-EJ-02-1.0-20180924	9/24/2018	E300.1	14866-68-3	Chlorate	0.19	J	0.020	0.20	mg/kg	J	sp	< PQL		
4402208431	RISB-EJ-03-1.0-20180925	9/25/2018	E300.1	14866-68-3	Chlorate	0.53	J	0.021	0.21	mg/kg	J+	m	MS/MSD %R	135,-	75-125 %
4402208431	RISB-EJ-03-1.0-20180925-FD	9/25/2018	E300.1	14866-68-3	Chlorate	0.53	J	0.021	0.21	mg/kg	J+	m	MS/MSD %R	135,-	75-125 %
4402208431	RISB-EJ-03-10.0-20180925	9/25/2018	E300.1	14866-68-3	Chlorate	0.089	J	0.021	0.21	mg/kg	J+	m,sp	MS/MSD %R; < PQL	135,-	75-125 %
4402208431	RISB-EJ-04-1.0-20180925	9/25/2018	E300.1	14866-68-3	Chlorate	1.2	F1	0.021	0.21	mg/kg	J+	m	MS/MSD %R	135,-	75-125 %
4402208431	RISB-EJ-04-10.0-20180925	9/25/2018	E300.1	14866-68-3	Chlorate	0.057	J	0.023	0.23	mg/kg	J+	m,sp	MS/MSD %R; < PQL	135,-	75-125 %
4402208431	RISB-ER-01-1.0-20180925	9/25/2018	E300.1	14866-68-3	Chlorate	0.77	J	0.021	0.21	mg/kg	J+	m	MS/MSD %R	135,-	75-125 %
4402208431	RISB-ER-01-10.0-20180925	9/25/2018	E300.1	14866-68-3	Chlorate	0.065	J	0.022	0.22	mg/kg	J+	m,sp	MS/MSD %R; < PQL	135,-	75-125 %
4402208431	RISB-ER-03-1.0-20180925	9/25/2018	E300.1	14866-68-3	Chlorate	4.2	J	0.10	1.0	mg/kg	J+	m	MS/MSD %R	135,-	75-125 %
4402208431	RISB-ER-03-10.0-20180925	9/25/2018	E300.1	14866-68-3	Chlorate	3.4	J	0.022	0.22	mg/kg	J+	m	MS/MSD %R	135,-	75-125 %
4402218881	RIDB-30-130.0-20181009	10/9/2018	E300.1	14866-68-3	Chlorate	0.038	J	0.031	0.31	mg/kg	J	sp	< PQL		
4402218881	RIDB-30-130.0-20181009-FD	10/9/2018	E300.1	14866-68-3	Chlorate	0.031	J	0.030	0.30	mg/kg	J	sp	< PQL		
4402218881	RIDB-31-110.0-20181009	10/9/2018	E300.1	14866-68-3	Chlorate	0.071	J	0.030	0.30	mg/kg	J	sp	< PQL		
4402219761	RIDB-32-70.0-20181010	10/10/2018	E300.1	14866-68-3	Chlorate	0.12	J	0.026	0.26	mg/kg	J	sp	< PQL		
4402220981	RIDB-33-100.0-20181011	10/11/2018	E300.1	14866-68-3	Chlorate	0.20	J	0.031	0.31	mg/kg	J	sp	< PQL		
4402220981	RIDB-33-100.0-20181011-FD	10/11/2018	E300.1	14866-68-3	Chlorate	0.20	J	0.030	0.30	mg/kg	J	sp	< PQL		
4402220981	RIDB-33-140.0-20181011	10/11/2018	E300.1	14866-68-3	Chlorate	0.091	J	0.028	0.28	mg/kg	J	sp	< PQL		
4402220981	RIDB-33-70.0-20181011	10/11/2018	E300.1	14866-68-3	Chlorate	0.16	J	0.033	0.33	mg/kg	J	sp	< PQL		
4402245421	PC-157A-20181115	11/15/2018	E300.1	14866-68-3	Chlorate	5.1	J	2.0	20	ug/l	J	sp	< PQL		
4402246531	PC-156A-20181116	11/16/2018	E300.1	14866-68-3	Chlorate		UF2	4.0	40	ug/l	UJ	ld	MS/MSD RPD	29	25 %
4402246531	PC-156B-20181116	11/16/2018	E300.1	14866-68-3	Chlorate	7.2	J	4.0	40	ug/l	J	sp	< PQL		
4402275491	RIDB-34-1-20181212	12/12/2018	E300.1	14866-68-3	Chlorate	2.2	J	0.022	0.22	mg/kg	J+	m	MS/MSD %R	131,-	75-125 %
4402275491	RIDB-34-5-20181212	12/12/2018	E300.1	14866-68-3	Chlorate	0.17	J	0.044	0.44	mg/kg	J	sp	< PQL		
4402275491	RIDB-35-100-20181212	12/12/2018	E300.1	14866-68-3	Chlorate	0.28	J	0.034	0.34	mg/kg	J+	m,sp	MS/MSD %R; < PQL	131,-	75-125 %
4402275491	RIDB-35-100-20181212-FD	12/12/2018	E300.1	14866-68-3	Chlorate	0.27	J	0.034	0.34	mg/kg	J+	m,sp	MS/MSD %R; < PQL	131,-	75-125 %
4402275491	RIDB-35-10-20181212	12/12/2018	E300.1	14866-68-3	Chlorate	5.1	J	0.045	0.45	mg/kg	J+	m	MS/MSD %R	131,-	75-125 %
4402275491	RIDB-35-1-20181212	12/12/2018	E300.1	14866-68-3	Chlorate	0.12	J	0.021	0.21	mg/kg	J+	m,sp	MS/MSD %R; < PQL	131,-	75-125 %
4402275491	RIDB-35-130-20181212	12/12/2018	E300.1	14866-68-3	Chlorate	0.084	J	0.031	0.31	mg/kg	J+	m,sp	MS/MSD %R; < PQL	131,-	75-125 %
4402275491	RIDB-35-20-20181212	12/12/2018	E300.1	14866-68-3	Chlorate	4.0	J	0.11	1.1	mg/kg	J+	m	MS/MSD %R	131,-	75-125 %
4402275491	RIDB-35-30-20181212	12/12/2018	E300.1	14866-68-3	Chlorate	770	J	32	320	mg/kg	J-	s	Surrogate %R (DCAA)	0	90-115 %
4402275491	RIDB-35-40-20181212	12/12/2018	E300.1	14866-68-3	Chlorate	720	J	31	310	mg/kg	J-	s	Surrogate %R (DCAA)	0	90-115 %
4402275491	RIDB-35-50-20181212	12/12/2018	E300.1	14866-68-3	Chlorate	1900	J	37	370	mg/kg	J-	s	Surrogate %R (DCAA)	0	90-115 %
4402275491	RIDB-35-5-20181212	12/12/2018	E300.1	14866-68-3	Chlorate	0.078	J	0.021	0.21	mg/kg	J+	m,sp	MS/MSD %R; < PQL	131,-	75-125 %

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte ¹	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator ²	Qualification Finding	Acceptance Criteria
4402275491	RIDB-35-60-20181212	12/12/2018	E300.1	14866-68-3	Chlorate	860		38	380	mg/kg	J-	s	Surrogate %R (DCAA)	0	90-115 %
4402275491	RIDB-35-70-20181212	12/12/2018	E300.1	14866-68-3	Chlorate	140		3.1	31	mg/kg	J+	m	MS/MSD %R	131,-	75-125 %
4402275491	RIDB-35-80-20181212	12/12/2018	E300.1	14866-68-3	Chlorate	0.55	F1	0.029	0.29	mg/kg	J+	m	MS/MSD %R	131,-	75-125 %
4402275491	RIDB-35-90-20181212	12/12/2018	E300.1	14866-68-3	Chlorate	0.087	J	0.033	0.33	mg/kg	J+	m,sp	MS/MSD %R; < PQL	131,-	75-125 %
4402276791	RIDB-34-100-20181213	12/13/2018	E300.1	14866-68-3	Chlorate	0.058	J	0.029	0.29	mg/kg	J+	m,sp	MS/MSD %R; < PQL	-,128	75-125 %
4402276791	RIDB-34-10-20181213	12/13/2018	E300.1	14866-68-3	Chlorate	1.3		0.043	0.43	mg/kg	J+	m	MS/MSD %R	-,128	75-125 %
4402276791	RIDB-34-110-20181213	12/13/2018	E300.1	14866-68-3	Chlorate	0.095	J	0.036	0.36	mg/kg	J+	m,sp	MS/MSD %R; < PQL	-,128	75-125 %
4402276791	RIDB-34-120-20181213	12/13/2018	E300.1	14866-68-3	Chlorate	0.58	F1	0.031	0.31	mg/kg	J+	m	MS/MSD %R	-,128	75-125 %
4402276791	RIDB-34-130-20181213	12/13/2018	E300.1	14866-68-3	Chlorate	0.18	J	0.036	0.36	mg/kg	J+	m,sp	MS/MSD %R; < PQL	-,128	75-125 %
4402276791	RIDB-34-140-20181213	12/13/2018	E300.1	14866-68-3	Chlorate	0.070	J	0.030	0.30	mg/kg	J+	m,sp	MS/MSD %R; < PQL	-,128	75-125 %
4402276791	RIDB-34-140-20181213-FD	12/13/2018	E300.1	14866-68-3	Chlorate	0.066	J	0.030	0.30	mg/kg	J+	m,sp	MS/MSD %R; < PQL	-,128	75-125 %
4402276791	RIDB-34-150-20181213	12/13/2018	E300.1	14866-68-3	Chlorate	0.054	J	0.031	0.31	mg/kg	J+	m,sp	MS/MSD %R; < PQL	-,128	75-125 %
4402276791	RIDB-34-20-20181213	12/13/2018	E300.1	14866-68-3	Chlorate	5.8		0.12	1.2	mg/kg	J+	m	MS/MSD %R	-,128	75-125 %
4402276791	RIDB-34-30-20181213	12/13/2018	E300.1	14866-68-3	Chlorate	340		2.8	28	mg/kg	J+	m	MS/MSD %R	-,128	75-125 %
4402276791	RIDB-34-40-20181213	12/13/2018	E300.1	14866-68-3	Chlorate	440		5.8	58	mg/kg	J+	m	MS/MSD %R	-,128	75-125 %
4402276791	RIDB-34-50-20181213	12/13/2018	E300.1	14866-68-3	Chlorate	680		6.4	64	mg/kg	J	m,s	MS/MSD %R; Surrogate %R (DCAA)	-,128; 80	75-125; 90-115 %
4402276791	RIDB-34-60-20181213	12/13/2018	E300.1	14866-68-3	Chlorate	1400		37	370	mg/kg	J-	s	Surrogate %R (DCAA)	0	90-115 %
4402276791	RIDB-34-70-20181213	12/13/2018	E300.1	14866-68-3	Chlorate	12		0.17	1.7	mg/kg	J+	m	MS/MSD %R	-,128	75-125 %
4402276791	RIDB-34-70-20181213-FD	12/13/2018	E300.1	14866-68-3	Chlorate	11		0.16	1.6	mg/kg	J+	m	MS/MSD %R	-,128	75-125 %
4402276791	RIDB-34-80-20181213	12/13/2018	E300.1	14866-68-3	Chlorate	0.69		0.029	0.29	mg/kg	J+	m	MS/MSD %R	-,128	75-125 %
4402276791	RIDB-34-90-20181213	12/13/2018	E300.1	14866-68-3	Chlorate	0.17	J	0.026	0.26	mg/kg	J+	m,sp	MS/MSD %R; < PQL	-,128	75-125 %
4402276791	RIDB-36-10-20181213	12/13/2018	E300.1	14866-68-3	Chlorate	1.4		0.022	0.22	mg/kg	J+	m	MS/MSD %R	-,128	75-125 %
4402276791	RIDB-36-30-20181213	12/13/2018	E300.1	14866-68-3	Chlorate	590		14	140	mg/kg	J-	s	Surrogate %R (DCAA)	0	90-115 %
4402276791	RIDB-36-40-20181213	12/13/2018	E300.1	14866-68-3	Chlorate	1000		19	190	mg/kg	J-	s	Surrogate %R (DCAA)	0	90-115 %
4402276791	RIDB-36-50-20181213	12/13/2018	E300.1	14866-68-3	Chlorate	2400		42	420	mg/kg	J-	s	Surrogate %R (DCAA)	0	90-115 %
4402276791	RIDB-36-5-20181213	12/13/2018	E300.1	14866-68-3	Chlorate	0.067	J	0.021	0.21	mg/kg	J+	m,sp	MS/MSD %R; < PQL	-,128	75-125 %
4402279111	RIDB-36-100-20181214	12/14/2018	E300.1	14866-68-3	Chlorate	0.34	J	0.036	0.36	mg/kg	J	sp	< PQL		
4402279111	RIDB-36-110-20181214	12/14/2018	E300.1	14866-68-3	Chlorate	0.11	J	0.034	0.34	mg/kg	J	sp	< PQL		
4402279111	RIDB-36-120-20181214	12/14/2018	E300.1	14866-68-3	Chlorate	0.15	J	0.033	0.33	mg/kg	J	sp	< PQL		
4402279111	RIDB-36-120-20181214-FD	12/14/2018	E300.1	14866-68-3	Chlorate	0.14	J	0.032	0.32	mg/kg	J	sp	< PQL		
4402279111	RIDB-36-140-20181214	12/14/2018	E300.1	14866-68-3	Chlorate	0.17	J	0.037	0.37	mg/kg	J	sp	< PQL		
4402279111	RIDB-36-150-20181214	12/14/2018	E300.1	14866-68-3	Chlorate	0.11	J	0.034	0.34	mg/kg	J	sp	< PQL		
4402279111	RIDB-36-60-20181214	12/14/2018	E300.1	14866-68-3	Chlorate	1400		21	210	mg/kg	J-	s	Surrogate %R (DCAA)	0	90-115 %
4402279111	RIDB-36-90-20181214	12/14/2018	E300.1	14866-68-3	Chlorate	0.16	J	0.036	0.36	mg/kg	J	sp	< PQL		
4402281671	M-260-20181213	12/13/2018	E300.1	14866-68-3	Chlorate	5.7	J	4.0	40	ug/l	J	sp	< PQL		
4402281671	M-262-20181213	12/13/2018	E300.1	14866-68-3	Chlorate	32	J	4.0	40	ug/l	J	sp	< PQL		
4402281671	M-264-20181214	12/14/2018	E300.1	14866-68-3	Chlorate	12	J	4.0	40	ug/l	J	sp	< PQL		
4402282261	RISB-1-32.0-20181218	12/18/2018	E300.1	14866-68-3	Chlorate	510		16	160	mg/kg	J-	s	Surrogate %R (DCAA)	0	90-115 %
4402282261	RISB-2-0.5-20181218	12/18/2018	E300.1	14866-68-3	Chlorate	0.044	J	0.021	0.21	mg/kg	J	sp	< PQL		
4402282261	RISB-2-32.0-20181218	12/18/2018	E300.1	14866-68-3	Chlorate	640		16	160	mg/kg	J-	s	Surrogate %R (DCAA)	0	90-115 %
4402282261	RISB-3-32.0-20181218	12/18/2018	E300.1	14866-68-3	Chlorate	240		6.3	63	mg/kg	J-	s	Surrogate %R (DCAA)	0	90-115 %
4402282261	RISB-4-0.5-20181218	12/18/2018	E300.1	14866-68-3	Chlorate	0.039	J	0.021	0.21	mg/kg	J	sp	< PQL		
4402282261	RISB-4-27.5-20181218	12/18/2018	E300.1	14866-68-3	Chlorate	480		6.2	62	mg/kg	J-	s	Surrogate %R (DCAA)	79	90-115 %
4402282261	RISB-4-30.0-20181218	12/18/2018	E300.1	14866-68-3	Chlorate	180		5.6	56	mg/kg	J-	s	Surrogate %R (DCAA)	0	90-115 %
4402282261	RISB-5-5.0-20181218	12/18/2018	E300.1	14866-68-3	Chlorate	0.16	J	0.021	0.21	mg/kg	J+	l,sp	LCS %R	470	50-150 %
4402218881	RIDB-30-130.0-20181009	10/9/2018	E314.0	14797-73-0	Perchlorate		UF1	0.015	0.016	mg/kg	UJ	m	MS/MSD %R	75.77	80120 %
4402218881	RIDB-30-130.0-20181009-FD	10/9/2018	E314.0	14797-73-0	Perchlorate		U	0.014	0.015	mg/kg	UJ	m	MS/MSD %R	78.75	80120 %
4402218881	RIDB-30-140.0-20181009	10/9/2018	E314.0	14797-73-0	Perchlorate		U	0.014	0.015	mg/kg	UJ	m	MS/MSD %R	75.77	80120 %
4402218881	RIDB-30-150.0-20181009	10/9/2018	E314.0	14797-73-0	Perchlorate		U	0.014	0.015	mg/kg	UJ	m	MS/MSD %R	75.77	80120 %
4402218881	RIDB-31-100.0-20181009	10/9/2018	E314.0	14797-73-0	Perchlorate	0.13		0.013	0.013	mg/kg	J-	m	MS/MSD %R	75.77	80120 %
4402218881	RIDB-31-110.0-20181009	10/9/2018	E314.0	14797-73-0	Perchlorate		U	0.014	0.015	mg/kg	UJ	m	MS/MSD %R	75.77	80120 %
4402218881	RIDB-31-120.0-20181009	10/9/2018	E314.0	14797-73-0	Perchlorate		U	0.012	0.013	mg/kg	UJ	m	MS/MSD %R	75.77	80120 %
4402218881	RIDB-31-130.0-20181009	10/9/2018	E314.0	14797-73-0	Perchlorate		U	0.017	0.018	mg/kg	UJ	m	MS/MSD %R	75.77	80120 %
4402218881	RIDB-31-50.0-20181009	10/9/2018	E314.0	14797-73-0	Perchlorate	7.5		0.080	0.085	mg/kg	J-	m	MS/MSD %R	75.77	80120 %
4402218881	RIDB-31-60.0-20181009	10/9/2018	E314.0	14797-73-0	Perchlorate	14		0.62	0.65	mg/kg	J-	m	MS/MSD %R	75.77	80120 %
4402218881	RIDB-31-70.0-20181009	10/9/2018	E314.0	14797-73-0	Perchlorate	4.4		0.087	0.091	mg/kg	J-	m	MS/MSD %R	75.77	80120 %

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte ¹	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator ²	Qualification Finding	Acceptance Criteria
4402218881	RIDB-31-80.0-20181009	10/9/2018	E314.0	14797-73-0	Perchlorate		U	0.012	0.013	mg/kg	UJ	m	MS/MSD %R	75.77	80120 %
4402218881	RIDB-31-90.0-20181009	10/9/2018	E314.0	14797-73-0	Perchlorate	35		1.4	1.5	mg/kg	J-	m	MS/MSD %R	75.77	80120 %
4402219761	RIDB-31-140.0-20181010	10/10/2018	E314.0	14797-73-0	Perchlorate		U	0.016	0.016	mg/kg	UJ	m	MS/MSD %R	72.-	80-120 %
4402219761	RIDB-31-140.0-20181010-FD	10/10/2018	E314.0	14797-73-0	Perchlorate		U	0.016	0.016	mg/kg	UJ	m	MS/MSD %R	72.-	80-120 %
4402219761	RIDB-31-150.0-20181010	10/10/2018	E314.0	14797-73-0	Perchlorate		U	0.019	0.020	mg/kg	UJ	m	MS/MSD %R	72.-	80-120 %
4402219761	RIDB-32-100.0-20181010	10/10/2018	E314.0	14797-73-0	Perchlorate		U	0.014	0.015	mg/kg	UJ	m	MS/MSD %R	72.-	80-120 %
4402219761	RIDB-32-110.0-20181010	10/10/2018	E314.0	14797-73-0	Perchlorate		U	0.014	0.015	mg/kg	UJ	m	MS/MSD %R	72.-	80-120 %
4402219761	RIDB-32-120.0-20181010	10/10/2018	E314.0	14797-73-0	Perchlorate		U	0.013	0.013	mg/kg	UJ	m	MS/MSD %R	72.-	80-120 %
4402219761	RIDB-32-130.0-20181010	10/10/2018	E314.0	14797-73-0	Perchlorate		U	0.012	0.013	mg/kg	UJ	m	MS/MSD %R	72.-	80-120 %
4402219761	RIDB-32-140.0-20181010	10/10/2018	E314.0	14797-73-0	Perchlorate		U	0.014	0.015	mg/kg	UJ	m	MS/MSD %R	72.-	80-120 %
4402219761	RIDB-32-150.0-20181010	10/10/2018	E314.0	14797-73-0	Perchlorate		U	0.014	0.015	mg/kg	UJ	m	MS/MSD %R	72.-	80-120 %
4402219761	RIDB-32-50.0-20181010	10/10/2018	E314.0	14797-73-0	Perchlorate	27		0.29	0.30	mg/kg	J-	m	MS/MSD %R	72.-	80-120 %
4402219761	RIDB-32-60.0-20181010	10/10/2018	E314.0	14797-73-0	Perchlorate	2.3	FI	0.096	0.10	mg/kg	J-	m	MS/MSD %R	72.-	80-120 %
4402219761	RIDB-32-70.0-20181010	10/10/2018	E314.0	14797-73-0	Perchlorate	0.17		0.012	0.013	mg/kg	J-	m	MS/MSD %R	72.-	80-120 %
4402219761	RIDB-32-80.0-20181010	10/10/2018	E314.0	14797-73-0	Perchlorate		U	0.016	0.017	mg/kg	UJ	m	MS/MSD %R	72.-	80-120 %
4402219761	RIDB-32-80.0-20181010-FD	10/10/2018	E314.0	14797-73-0	Perchlorate		U	0.016	0.017	mg/kg	UJ	m	MS/MSD %R	72.-	80-120 %
4402219761	RIDB-32-90.0-20181010	10/10/2018	E314.0	14797-73-0	Perchlorate		U	0.014	0.015	mg/kg	UJ	m	MS/MSD %R	72.-	80-120 %
4402220981	RIDB-33-100.0-20181011	10/11/2018	E314.0	14797-73-0	Perchlorate	0.038		0.015	0.015	mg/kg	J-	m	MS/MSD %R	55.47	80-120 %
4402220981	RIDB-33-100.0-20181011-FD	10/11/2018	E314.0	14797-73-0	Perchlorate	0.026		0.014	0.015	mg/kg	J-	m	MS/MSD %R	55.47	80-120 %
4402220981	RIDB-33-110.0-20181011	10/11/2018	E314.0	14797-73-0	Perchlorate	3.2		0.066	0.069	mg/kg	J-	m	MS/MSD %R	55.47	80-120 %
4402220981	RIDB-33-120.0-20181011	10/11/2018	E314.0	14797-73-0	Perchlorate		UFI	0.013	0.014	mg/kg	UJ	m	MS/MSD %R	55.47	80-120 %
4402220981	RIDB-33-130.0-20181011	10/11/2018	E314.0	14797-73-0	Perchlorate		U	0.016	0.017	mg/kg	UJ	m	MS/MSD %R	55.47	80-120 %
4402220981	RIDB-33-140.0-20181011	10/11/2018	E314.0	14797-73-0	Perchlorate	0.016		0.013	0.014	mg/kg	J-	m	MS/MSD %R	55.47	80-120 %
4402220981	RIDB-33-150.0-20181011	10/11/2018	E314.0	14797-73-0	Perchlorate	0.025		0.015	0.016	mg/kg	J-	m	MS/MSD %R	55.47	80-120 %
4402220981	RIDB-33-50.0-20181011	10/11/2018	E314.0	14797-73-0	Perchlorate	78		2.3	2.4	mg/kg	J-	m	MS/MSD %R	55.47	80-120 %
4402220981	RIDB-33-60.0-20181011	10/11/2018	E314.0	14797-73-0	Perchlorate	0.16		0.015	0.016	mg/kg	J-	m	MS/MSD %R	55.47	80-120 %
4402220981	RIDB-33-70.0-20181011	10/11/2018	E314.0	14797-73-0	Perchlorate	0.034		0.016	0.016	mg/kg	J-	m	MS/MSD %R	55.47	80-120 %
4402220981	RIDB-33-80.0-20181011	10/11/2018	E314.0	14797-73-0	Perchlorate	0.50		0.064	0.068	mg/kg	J-	m	MS/MSD %R	55.47	80-120 %
4402220981	RIDB-33-90.0-20181011	10/11/2018	E314.0	14797-73-0	Perchlorate	22		1.7	1.7	mg/kg	J-	m	MS/MSD %R	55.47	80-120 %
4402276792	RIDB-34-140-20181213-FD	12/13/2018	E314.0	14797-73-0	Perchlorate	0.014	J	0.014	0.015	mg/kg	J	sp	< PQL		
4402281671	M-260-20181213	12/13/2018	E314.0	14797-73-0	Perchlorate	1.2	J	0.95	4.0	ug/l	J	sp	< PQL		
4402282261	RISB-5-0.5-20181218	12/18/2018	E314.0	14797-73-0	Perchlorate	15		0.99	1.0	mg/kg	J	fd	FD RPD	94	50 %
4402282261	RISB-5-0.5-20181218-FD	12/18/2018	E314.0	14797-73-0	Perchlorate	5.4		0.098	0.10	mg/kg	J	fd	FD RPD	94	50 %
4402343381	M-270-20190221	2/21/2019	E314.0	14797-73-0	Perchlorate	820		19	80	ug/l	J	fd	FD RPD	33	30 %
4402343381	M-270-20190221_FD	2/21/2019	E314.0	14797-73-0	Perchlorate	590		19	80	ug/l	J	fd	FD RPD	33	30 %
4402362141	M-260-20190313	3/13/2019	E314.0	14797-73-0	Perchlorate	1.6	J	0.95	4.0	ug/l	J	sp	< PQL		
4402075161	MC-65R2-20180329	3/29/2018	E365.3	7723-14-0	Phosphorus (total)	38	J	25	50	ug/l	J	sp	< PQL		
4402088641	M-225R-20180413	4/13/2018	E365.3	7723-14-0	Phosphorus (total)	32	J	25	50	ug/l	J	sp	< PQL		
4402088641	M-228R-20180413	4/13/2018	E365.3	7723-14-0	Phosphorus (total)	40	J	25	50	ug/l	J	sp	< PQL		
4402245421	PC-155A-20181115	11/15/2018	E365.3	7723-14-0	Phosphorus (total)	38	J	25	50	ug/l	J	sp	< PQL		
4402245421	PC-155A-20181115-FD	11/15/2018	E365.3	7723-14-0	Phosphorus (total)	36	J	25	50	ug/l	J	sp	< PQL		
4402245421	PC-155B-20181115	11/15/2018	E365.3	7723-14-0	Phosphorus (total)	38	J	25	50	ug/l	J	sp	< PQL		
4402245421	PC-157B-20181115	11/15/2018	E365.3	7723-14-0	Phosphorus (total)	43	J	25	50	ug/l	J	sp	< PQL		
4402282261	RISB-1-15.0-20181218	12/18/2018	SM2320	BICARBHCO3	Bicarbonate as HCO3	2500	B	25	25	mg/kg	J+	bl	MB contamination	303	mg/Kg
4402282261	RISB-5-0.5-20181218	12/18/2018	SM2320	BICARBHCO3	Bicarbonate as HCO3	1300	B	25	25	mg/kg	J+	bl	MB contamination	301	mg/Kg
4402282261	RISB-5-0.5-20181218-FD	12/18/2018	SM2320	BICARBHCO3	Bicarbonate as HCO3	1300	B	25	25	mg/kg	J+	bl	MB contamination	301	mg/Kg
4402282261	RISB-5-5.0-20181218	12/18/2018	SM2320	BICARBHCO3	Bicarbonate as HCO3	2500	B	25	25	mg/kg	J+	bl	MB contamination	301	mg/Kg
4402246531	-20181116EB	11/16/2018	SM2540C	TDS	Dissolved Solids (total)	7000	J	5000	10000	ug/l	J	sp	< PQL		
4402124221	PC-156B-20180530	5/30/2018	SM3500	7439-89-6-FE3	Iron, Ferric	0.52		0.10	0.10	mg/l	J	fd	FD RPD	51	30 %
4402124221	PC-156B-20180530-FD	5/30/2018	SM3500	7439-89-6-FE3	Iron, Ferric	0.31		0.10	0.10	mg/l	J	fd	FD RPD	51	30 %
4402207711	RISB-EJ-02-1.0-20180924	9/24/2018	SM4500-NH3-	7664-41-7)0	Ammonia (as N)	2.9	J	2.0	10	mg/kg	J	sp	< PQL		
4402207711	RISB-EJ-02-1.0-20180924	9/24/2018	SM4500-NH3-	7664-41-7)1	Ammonia (NH3)	3.5	J	2.4	12	mg/kg	J	sp	< PQL		
4402207711	RISB-EJ-02-10.0-20180924	9/24/2018	SM4500-NH3-	7664-41-7)1	Ammonia (NH3)	3.2	J	2.6	13	mg/kg	J	sp	< PQL		
4402207711	RISB-EJ-02-10.0-20180924	9/24/2018	SM4500-NH3-	7664-41-7)0	Ammonia (as N)	2.7	J	2.1	11	mg/kg	J	sp	< PQL		
4402207711	RISB-ER-02-1.0-20180924	9/24/2018	SM4500-NH3-	7664-41-7)0	Ammonia (as N)	2.9	J	2.1	10	mg/kg	J	sp	< PQL		
4402207711	RISB-ER-02-1.0-20180924	9/24/2018	SM4500-NH3-	7664-41-7)1	Ammonia (NH3)	3.5	J	2.5	12	mg/kg	J	sp	< PQL		

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte ¹	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator ²	Qualification Finding	Acceptance Criteria
4402207711	RISB-ER-02-10.0-20180924	9/24/2018	SM4500-NH3-	7664-41-7/0	Ammonia (as N)	2.9	J	2.1	11	mg/kg	J	sp	< PQL		
4402207711	RISB-ER-02-10.0-20180924	9/24/2018	SM4500-NH3-	7664-41-7/1	Ammonia (NH3)	3.5	J	2.6	13	mg/kg	J	sp	< PQL		
4402208431	RISB-EJ-03-1.0-20180925	9/25/2018	SM4500-NH3-	7664-41-7/0	Ammonia (as N)	3.6	J	2.1	10	mg/kg	J	sp	< PQL		
4402208431	RISB-EJ-03-1.0-20180925	9/25/2018	SM4500-NH3-	7664-41-7/1	Ammonia (NH3)	4.4	J	2.5	12	mg/kg	J	sp	< PQL		
4402208431	RISB-EJ-03-1.0-20180925-FD	9/25/2018	SM4500-NH3-	7664-41-7/1	Ammonia (NH3)	4.1	J	2.5	12	mg/kg	J	sp	< PQL		
4402208431	RISB-EJ-03-1.0-20180925-FD	9/25/2018	SM4500-NH3-	7664-41-7/0	Ammonia (as N)	3.4	J	2.1	10	mg/kg	J	sp	< PQL		
4402208431	RISB-EJ-03-10.0-20180925	9/25/2018	SM4500-NH3-	7664-41-7/1	Ammonia (NH3)	4.0	J	2.6	13	mg/kg	J	sp	< PQL		
4402208431	RISB-EJ-03-10.0-20180925	9/25/2018	SM4500-NH3-	7664-41-7/0	Ammonia (as N)	3.3	J	2.2	11	mg/kg	J	sp	< PQL		
4402208431	RISB-EJ-04-1.0-20180925	9/25/2018	SM4500-NH3-	7664-41-7/1	Ammonia (NH3)	4.9	J	2.6	13	mg/kg	J	sp	< PQL		
4402208431	RISB-EJ-04-1.0-20180925	9/25/2018	SM4500-NH3-	7664-41-7/0	Ammonia (as N)	4.0	J	2.1	11	mg/kg	J	sp	< PQL		
4402208431	RISB-EJ-04-10.0-20180925	9/25/2018	SM4500-NH3-	7664-41-7/1	Ammonia (NH3)	4.8	J	2.8	14	mg/kg	J	sp	< PQL		
4402208431	RISB-EJ-04-10.0-20180925	9/25/2018	SM4500-NH3-	7664-41-7/0	Ammonia (as N)	3.9	J	2.3	12	mg/kg	J	sp	< PQL		
4402208431	RISB-ER-01-1.0-20180925	9/25/2018	SM4500-NH3-	7664-41-7/0	Ammonia (as N)	3.2	J	2.1	10	mg/kg	J	sp	< PQL		
4402208431	RISB-ER-01-1.0-20180925	9/25/2018	SM4500-NH3-	7664-41-7/1	Ammonia (NH3)	3.9	J	2.5	12	mg/kg	J	sp	< PQL		
4402208431	RISB-ER-01-10.0-20180925	9/25/2018	SM4500-NH3-	7664-41-7/1	Ammonia (NH3)	3.5	J	2.6	13	mg/kg	J	sp	< PQL		
4402208431	RISB-ER-01-10.0-20180925	9/25/2018	SM4500-NH3-	7664-41-7/0	Ammonia (as N)	2.9	J	2.2	11	mg/kg	J	sp	< PQL		
4402208431	RISB-ER-03-1.0-20180925	9/25/2018	SM4500-NH3-	7664-41-7/0	Ammonia (as N)	3.1	J	2.1	10	mg/kg	J	sp	< PQL		
4402208431	RISB-ER-03-1.0-20180925	9/25/2018	SM4500-NH3-	7664-41-7/1	Ammonia (NH3)	3.7	J	2.5	12	mg/kg	J	sp	< PQL		
4402208431	RISB-ER-03-10.0-20180925	9/25/2018	SM4500-NH3-	7664-41-7/0	Ammonia (as N)	3.2	J	2.2	11	mg/kg	J	sp	< PQL		
4402208431	RISB-ER-03-10.0-20180925	9/25/2018	SM4500-NH3-	7664-41-7/1	Ammonia (NH3)	3.9	J	2.6	13	mg/kg	J	sp	< PQL		
4402209511	RISB-EJ-01-1.0-20180926	9/26/2018	SM4500-NH3-	7664-41-7/0	Ammonia (as N)	2.7	J	2.1	10	mg/kg	J	sp	< PQL		
4402209511	RISB-EJ-01-1.0-20180926	9/26/2018	SM4500-NH3-	7664-41-7/1	Ammonia (NH3)	3.2	J	2.5	12	mg/kg	J	sp	< PQL		
4402209511	RISB-EJ-01-10.0-20180926	9/26/2018	SM4500-NH3-	7664-41-7/1	Ammonia (NH3)	3.7	J	2.6	13	mg/kg	J	sp	< PQL		
4402209511	RISB-EJ-01-10.0-20180926	9/26/2018	SM4500-NH3-	7664-41-7/0	Ammonia (as N)	3.1	J	2.1	11	mg/kg	J	sp	< PQL		
4402282261	RISB-1-10.0-20181218	12/18/2018	SM4500-NH3-	7664-41-7/1	Ammonia (NH3)	11	J	2.6	13	mg/kg	J	sp	< PQL		
4402282261	RISB-1-15.0-20181218	12/18/2018	SM4500-NH3-	7664-41-7/1	Ammonia (NH3)	6.5	J	2.5	13	mg/kg	J	sp	< PQL		
4402282261	RISB-1-20.0-20181218	12/18/2018	SM4500-NH3-	7664-41-7/1	Ammonia (NH3)	5.6	J	2.5	13	mg/kg	J	sp	< PQL		
4402282261	RISB-1-25.0-20181218	12/18/2018	SM4500-NH3-	7664-41-7/1	Ammonia (NH3)	6.2	J	2.7	13	mg/kg	J	sp	< PQL		
4402282261	RISB-1-30.0-20181218	12/18/2018	SM4500-NH3-	7664-41-7/1	Ammonia (NH3)	5.7	J	2.7	13	mg/kg	J	sp	< PQL		
4402282261	RISB-1-32.0-20181218	12/18/2018	SM4500-NH3-	7664-41-7/1	Ammonia (NH3)	9.5	J	3.8	19	mg/kg	J	sp	< PQL		
4402282261	RISB-2-0.5-20181218	12/18/2018	SM4500-NH3-	7664-41-7/1	Ammonia (NH3)	5.9	J	2.5	12	mg/kg	J	sp	< PQL		
4402282261	RISB-2-10.0-20181218	12/18/2018	SM4500-NH3-	7664-41-7/1	Ammonia (NH3)	6.1	J	2.6	13	mg/kg	J	sp	< PQL		
4402282261	RISB-2-10.0-20181218-FD	12/18/2018	SM4500-NH3-	7664-41-7/1	Ammonia (NH3)	6.3	J	2.6	13	mg/kg	J	sp	< PQL		
4402282261	RISB-2-15.0-20181218	12/18/2018	SM4500-NH3-	7664-41-7/1	Ammonia (NH3)	5.8	J	2.6	13	mg/kg	J	sp	< PQL		
4402282261	RISB-2-20.0-20181218	12/18/2018	SM4500-NH3-	7664-41-7/1	Ammonia (NH3)	8.2	J	2.6	13	mg/kg	J	sp	< PQL		
4402282261	RISB-2-25.0-20181218	12/18/2018	SM4500-NH3-	7664-41-7/1	Ammonia (NH3)	8.2	J	2.6	13	mg/kg	J	sp	< PQL		
4402282261	RISB-2-30.0-20181218	12/18/2018	SM4500-NH3-	7664-41-7/1	Ammonia (NH3)	5.9	J	2.8	14	mg/kg	J	sp	< PQL		
4402282261	RISB-2-32.0-20181218	12/18/2018	SM4500-NH3-	7664-41-7/1	Ammonia (NH3)	11	J	3.9	20	mg/kg	J	sp	< PQL		
4402282261	RISB-2-5.0-20181218	12/18/2018	SM4500-NH3-	7664-41-7/1	Ammonia (NH3)	6.1	J	2.5	13	mg/kg	J	sp	< PQL		
4402282261	RISB-3-0.5-20181218	12/18/2018	SM4500-NH3-	7664-41-7/1	Ammonia (NH3)	6.3	J	2.5	12	mg/kg	J	sp	< PQL		
4402282261	RISB-3-10.0-20181218	12/18/2018	SM4500-NH3-	7664-41-7/1	Ammonia (NH3)	5.9	J	2.6	13	mg/kg	J	sp	< PQL		
4402282261	RISB-3-15.0-20181218	12/18/2018	SM4500-NH3-	7664-41-7/1	Ammonia (NH3)	9.2	J	2.5	13	mg/kg	J	sp	< PQL		
4402282261	RISB-3-5.0-20181218	12/18/2018	SM4500-NH3-	7664-41-7/1	Ammonia (NH3)	6.7	J	2.5	13	mg/kg	J	sp	< PQL		
4402283161	GGW-RISB-2-35.5-20181219	12/19/2018	SM4500-NH3-	7664-41-7/0	Ammonia (as N)	250	J	100	500	ug/l	J	sp	< PQL		
4402088641	M-225R-20180413	4/13/2018	SM5310_DOC	7440-44-0	CARBON	890	J	650	1000	ug/l	J	sp	< PQL		
4402337791	M-159-20190215	2/15/2019	SM5310_DOC	7440-44-0	CARBON	910	J	650	1000	ug/l	J	sp	< PQL		
4402337791	M-160-20190215	2/15/2019	SM5310_DOC	7440-44-0	CARBON	980	J	650	1000	ug/l	J	sp	< PQL		
4402360911	M-159-20190312	3/12/2019	SM5310_DOC	7440-44-0	CARBON	700	J	650	1000	ug/l	J	sp	< PQL		
4402360911	M-160-20190312	3/12/2019	SM5310_DOC	7440-44-0	CARBON	920	J	650	1000	ug/l	J	sp	< PQL		
4402362141	M-260-20190313	3/13/2019	SM5310_DOC	7440-44-0	CARBON	910	J	650	1000	ug/l	J	sp	< PQL		
4402363241	M-263-20190314	3/14/2019	SM5310_DOC	7440-44-0	CARBON	790	J	650	1000	ug/l	J	sp	< PQL		
4402244261	PC-168-20181114	11/14/2018	SW9034	18496-25-8	Sulfide (total)		U	4.0	4.0	mg/l	UJ	m	MS/MSD %R	45.64	%
4402244261	PC-172D-20181114	11/14/2018	SW9034	18496-25-8	Sulfide (total)		UF1	4.0	4.0	mg/l	UJ	m	MS/MSD %R	45.64	%
4402244261	PC-176-20181114	11/14/2018	SW9034	18496-25-8	Sulfide (total)		U	4.0	4.0	mg/l	UJ	m	MS/MSD %R	45.64	%
4402343381	M-270-20190221	2/21/2019	SW9034	18496-25-8	Sulfide (total)		U	4.0	4.0	mg/l	UJ	m,sp	MS/MSD %R; < PQL	67,-	70-130 %
4402343381	M-270-20190221_FD	2/21/2019	SW9034	18496-25-8	Sulfide (total)		U	4.0	4.0	mg/l	UJ	m	MS/MSD %R	67,-	70-130 %

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte ¹	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator ²	Qualification Finding	Acceptance Criteria
4402343381	M-271-20190221	2/21/2019	SW9034	18496-25-8	Sulfide (total)		UF1	4.0	4.0	mg/l	UJ	m	MS/MSD %R	67.-	70-130 %
4402359771	M-269-20190311	3/11/2019	SW9034	18496-25-8	Sulfide (total)		UF1	4.0	4.0	mg/l	UJ	m	MS/MSD %R	-.58	70-130 %
4402362141	M-260-20190313	3/13/2019	SW9034	18496-25-8	Sulfide (total)		UF1F2	4.0	4.0	mg/l	UJ	m,ld	MS/MSD %R and RPD	67.-; 32	70-130; 30 %
4402362141	M-261-20190313	3/13/2019	SW9034	18496-25-8	Sulfide (total)		U	4.0	4.0	mg/l	UJ	m,ld	MS/MSD %R and RPD	67.-; 32	70-130; 30 %
4402363241	M-262-20190314	3/14/2019	SW9034	18496-25-8	Sulfide (total)		U	4.0	4.0	mg/l	UJ	m	MS/MSD %R	67.67	70-130 %
4402363241	M-262-20190314-FD	3/14/2019	SW9034	18496-25-8	Sulfide (total)		U	4.0	4.0	mg/l	UJ	m	MS/MSD %R	67.67	70-130 %
4402363241	M-263-20190314	3/14/2019	SW9034	18496-25-8	Sulfide (total)		U	4.0	4.0	mg/l	UJ	m	MS/MSD %R	67.67	70-130 %
4402363241	M-264-20190314	3/14/2019	SW9034	18496-25-8	Sulfide (total)		UF1	4.0	4.0	mg/l	UJ	m	MS/MSD %R	67.67	70-130 %
4402363241	M-267-20190314	3/14/2019	SW9034	18496-25-8	Sulfide (total)		U	4.0	4.0	mg/l	UJ	m	MS/MSD %R	67.67	70-130 %
4402363241	M-268-20190314	3/14/2019	SW9034	18496-25-8	Sulfide (total)		U	4.0	4.0	mg/l	UJ	m	MS/MSD %R	67.67	70-130 %
4402363941	M-265-20190315	3/15/2019	SW9034	18496-25-8	Sulfide (total)		U	4.0	4.0	mg/l	UJ	m,ld	MS/MSD %R and RPD	67.-; 32	70-130; 30 %
4402363941	M-266-20190315	3/15/2019	SW9034	18496-25-8	Sulfide (total)		U	4.0	4.0	mg/l	UJ	m,ld	MS/MSD %R and RPD	67.-; 32	70-130; 30 %
4402075161	MC-65R2-20180329	3/29/2018	SW9040C	C-006	pH	7.9	HF	0.1	0.1	SU	J	h	Holding time	120	48 hours
4402075161	MC-MW-37R2-20180329	3/29/2018	SW9040C	C-006	pH	7.9	HF	0.1	0.1	SU	J	h	Holding time	120	48 hours
4402075161	PC-170R-20180329	3/29/2018	SW9040C	C-006	pH	7.5	HF	0.1	0.1	SU	J	h	Holding time	120	48 hours
4402075161	PC-187R-20180329	3/29/2018	SW9040C	C-006	pH	8.5	HF	0.1	0.1	SU	J	h	Holding time	120	48 hours
4402075161	PC-40R-20180329	3/29/2018	SW9040C	C-006	pH	7.6	HF	0.1	0.1	SU	J	h	Holding time	120	48 hours
4402088641	M-224R-20180413	4/13/2018	SW9040C	C-006	pH	8.8	HF	0.1	0.1	SU	J	h	Holding time	51.48	48 hours
4402088641	M-225R-20180413	4/13/2018	SW9040C	C-006	pH	8.8	HF	0.1	0.1	SU	J	h	Holding time	53.90	48 hours
4402088641	M-227R-20180413	4/13/2018	SW9040C	C-006	pH	8.7	HF	0.1	0.1	SU	J	h	Holding time	55.57	48 hours
4402088641	M-228R-20180413	4/13/2018	SW9040C	C-006	pH	8.8	HF	0.1	0.1	SU	J	h	Holding time	52.68	48 hours
4402123251	PC-157A-20180529	5/29/2018	SW9040C	C-006	pH	7.6	HF	0.1	0.1	SU	J	h	Holding time	49.18	48 hours
4402123251	PC-157B-20180529	5/29/2018	SW9040C	C-006	pH	7.6	HF	0.1	0.1	SU	J	h	Holding time	49.85	48 hours
4402124221	PC-155A-20180530	5/30/2018	SW9040C	C-006	pH	8.0	HF	0.1	0.1	SU	J	h	Holding time	96	48 hours
4402124221	PC-155B-20180530	5/30/2018	SW9040C	C-006	pH	8.0	HF	0.1	0.1	SU	J	h	Holding time	96	48 hours
4402124221	PC-156A-20180530	5/30/2018	SW9040C	C-006	pH	8.0	HF	0.1	0.1	SU	J	h	Holding time	96	48 hours
4402124221	PC-156A-20180530-EB	5/30/2018	SW9040C	C-006	pH	6.2	HF	0.1	0.1	SU	J	h	Holding time	96	48 hours
4402124221	PC-156B-20180530	5/30/2018	SW9040C	C-006	pH	8.0	HF	0.1	0.1	SU	J	h	Holding time	96	48 hours
4402124221	PC-156B-20180530-FD	5/30/2018	SW9040C	C-006	pH	8.1	HF	0.1	0.1	SU	J	h	Holding time	96	48 hours
4402244261	PC-168-20181114	11/14/2018	SW9040C	C-006	pH	7.8	HF	0.1	0.1	SU	J	h	Holding time	120	48 hours
4402244261	PC-172D-20181114	11/14/2018	SW9040C	C-006	pH	7.7	HF	0.1	0.1	SU	J	h	Holding time	120	48 hours
4402244261	PC-176-20181114	11/14/2018	SW9040C	C-006	pH	7.7	HF	0.1	0.1	SU	J	h	Holding time	120	48 hours
4402245421	PC-155A-20181115	11/15/2018	SW9040C	C-006	pH	7.9	HF	0.1	0.1	SU	J	h	Holding time	96	48 hours
4402245421	PC-155A-20181115-FD	11/15/2018	SW9040C	C-006	pH	8.0	HF	0.1	0.1	SU	J	h	Holding time	96	48 hours
4402245421	PC-155B-20181115	11/15/2018	SW9040C	C-006	pH	7.9	HF	0.1	0.1	SU	J	h	Holding time	96	48 hours
4402245421	PC-157A-20181115	11/15/2018	SW9040C	C-006	pH	7.9	HF	0.1	0.1	SU	J	h	Holding time	96	48 hours
4402245421	PC-157B-20181115	11/15/2018	SW9040C	C-006	pH	7.9	HF	0.1	0.1	SU	J	h	Holding time	96	48 hours
4402246531	EB-20181116	11/16/2018	SW9040C	C-006	pH	7.8	HF	0.1	0.1	SU	J	h	Holding time	78.83	48 hours
4402246531	PC-156A-20181116	11/16/2018	SW9040C	C-006	pH	8.1	HF	0.1	0.1	SU	J	h	Holding time	80.03	48 hours
4402246531	PC-156B-20181116	11/16/2018	SW9040C	C-006	pH	8.1	HF	0.1	0.1	SU	J	h	Holding time	80.98	48 hours
4402208431	RISB-EJ-03-1.0-20180925	9/25/2018	SW9056	14797-55-8_N	Nitrate as N	4.1		0.82	1.1	mg/kg	J+	m	MS/MSD %R	-.150	80-120 %
4402208431	RISB-EJ-03-1.0-20180925	9/25/2018	SW9056	16984-48-8	Fluoride		U	3.6	5.1	mg/kg	UJ	m	MS/MSD %R	65.65	80-120 %
4402208431	RISB-EJ-03-1.0-20180925-FD	9/25/2018	SW9056	14797-55-8_N	Nitrate as N	6.4		0.82	1.1	mg/kg	J+	m	MS/MSD %R	-.150	80-120 %
4402208431	RISB-EJ-03-1.0-20180925-FD	9/25/2018	SW9056	16984-48-8	Fluoride		U	3.6	5.1	mg/kg	UJ	m	MS/MSD %R	65.65	80-120 %
4402208431	RISB-EJ-03-10.0-20180925	9/25/2018	SW9056	16984-48-8	Fluoride		U	3.8	5.4	mg/kg	UJ	m	MS/MSD %R	65.65	80-120 %
4402208431	RISB-EJ-03-10.0-20180925	9/25/2018	SW9056	14797-55-8_N	Nitrate as N	0.98	J	0.86	1.2	mg/kg	J+	m,sp	MS/MSD %R; < PQL	-.150	80-120 %
4402208431	RISB-EJ-04-1.0-20180925	9/25/2018	SW9056	14797-55-8_N	Nitrate as N	30	F1	0.85	1.2	mg/kg	J+	m	MS/MSD %R	-.150	80-120 %
4402208431	RISB-EJ-04-1.0-20180925	9/25/2018	SW9056	16984-48-8	Fluoride		UF1	3.7	5.3	mg/kg	UJ	m	MS/MSD %R	65.65	80-120 %
4402208431	RISB-EJ-04-10.0-20180925	9/25/2018	SW9056	16984-48-8	Fluoride		U	4.0	5.8	mg/kg	UJ	m	MS/MSD %R	65.65	80-120 %
4402208431	RISB-ER-01-1.0-20180925	9/25/2018	SW9056	16984-48-8	Fluoride		U	3.6	5.2	mg/kg	UJ	m	MS/MSD %R	65.65	80-120 %
4402208431	RISB-ER-01-1.0-20180925	9/25/2018	SW9056	14797-55-8_N	Nitrate as N	27		0.83	1.1	mg/kg	J+	m	MS/MSD %R	-.150	80-120 %
4402208431	RISB-ER-01-10.0-20180925	9/25/2018	SW9056	16984-48-8	Fluoride		U	3.8	5.4	mg/kg	UJ	m	MS/MSD %R	65.65	80-120 %
4402208431	RISB-ER-03-1.0-20180925	9/25/2018	SW9056	14797-55-8_N	Nitrate as N	51		0.83	1.1	mg/kg	J+	m	MS/MSD %R	-.150	80-120 %
4402208431	RISB-ER-03-1.0-20180925	9/25/2018	SW9056	24959-67-9	Bromide	3.6	J	3.6	5.2	mg/kg	J+	sp	< PQL		
4402208431	RISB-ER-03-1.0-20180925	9/25/2018	SW9056	16984-48-8	Fluoride		U	3.6	5.2	mg/kg	UJ	m	MS/MSD %R	65.65	80-120 %
4402208431	RISB-ER-03-10.0-20180925	9/25/2018	SW9056	14797-55-8_N	Nitrate as N	3.2		0.87	1.2	mg/kg	J+	m	MS/MSD %R	-.150	80-120 %

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte ¹	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator ²	Qualification Finding	Acceptance Criteria
4402208431	RISB-ER-03-10.0-20180925	9/25/2018	SW9056	16984-48-8	Fluoride		U	3.8	5.4	mg/kg	UJ	m	MS/MSD %R	65.65	80-120 %
4402217471	RIDB-30-100.0-20181008	10/8/2018	SW9056	14797-55-8_N	Nitrate as N	1.9	J	1.5	2.0	mg/kg	J	sp	< PQL		
4402217471	RIDB-30-110.0-20181008	10/8/2018	SW9056	14797-55-8_N	Nitrate as N	1.2	J	1.1	1.6	mg/kg	J	sp	< PQL		
4402217471	RIDB-30-120.0-20181008	10/8/2018	SW9056	14797-55-8_N	Nitrate as N	1.3	J	1.2	1.7	mg/kg	J	sp	< PQL		
4402217471	RIDB-30-90.0-20181008	10/8/2018	SW9056	14797-55-8_N	Nitrate as N	1.3	J	1.2	1.7	mg/kg	J	sp	< PQL		
4402218881	RIDB-30-130.0-20181009	10/9/2018	SW9056	14797-55-8_N	Nitrate as N	1.3	J	1.3	1.7	mg/kg	J	sp	< PQL		
4402218881	RIDB-30-130.0-20181009-FD	10/9/2018	SW9056	14797-55-8_N	Nitrate as N	1.3	J	1.2	1.7	mg/kg	J	sp	< PQL		
4402218881	RIDB-31-110.0-20181009	10/9/2018	SW9056	14797-55-8_N	Nitrate as N	1.4	J	1.2	1.7	mg/kg	J	sp	< PQL		
4402218881	RIDB-31-120.0-20181009	10/9/2018	SW9056	14797-55-8_N	Nitrate as N	1.0	J	1.0	1.4	mg/kg	J	sp	< PQL		
4402218881	RIDB-31-60.0-20181009	10/9/2018	SW9056	14797-55-8_N	Nitrate as N	1.3	J	1.0	1.4	mg/kg	J	sp	< PQL		
4402219761	RIDB-31-140.0-20181010	10/10/2018	SW9056	14797-55-8_N	Nitrate as N	1.7	J	1.3	1.8	mg/kg	J	sp	< PQL		
4402219761	RIDB-31-140.0-20181010-FD	10/10/2018	SW9056	14797-55-8_N	Nitrate as N	1.6	J	1.3	1.8	mg/kg	J	sp	< PQL		
4402219761	RIDB-31-150.0-20181010	10/10/2018	SW9056	14797-55-8_N	Nitrate as N	2.1	J	1.6	2.2	mg/kg	J	sp	< PQL		
4402219761	RIDB-32-100.0-20181010	10/10/2018	SW9056	14797-55-8_N	Nitrate as N	1.3	J	1.2	1.6	mg/kg	J	sp	< PQL		
4402219761	RIDB-32-110.0-20181010	10/10/2018	SW9056	14797-55-8_N	Nitrate as N	1.4	J	1.2	1.7	mg/kg	J	sp	< PQL		
4402219761	RIDB-32-130.0-20181010	10/10/2018	SW9056	14797-55-8_N	Nitrate as N	1.0	J	1.0	1.4	mg/kg	J	sp	< PQL		
4402219761	RIDB-32-60.0-20181010	10/10/2018	SW9056	14797-55-8_N	Nitrate as N	1.6	J	1.6	2.3	mg/kg	J	sp	< PQL		
4402219761	RIDB-32-80.0-20181010	10/10/2018	SW9056	14797-55-8_N	Nitrate as N	1.4	J	1.3	1.8	mg/kg	J	sp	< PQL		
4402219761	RIDB-32-80.0-20181010-FD	10/10/2018	SW9056	14797-55-8_N	Nitrate as N	1.4	J	1.3	1.8	mg/kg	J	sp	< PQL		
4402219761	RIDB-32-90.0-20181010	10/10/2018	SW9056	14797-55-8_N	Nitrate as N	1.3	J	1.2	1.6	mg/kg	J	sp	< PQL		
4402220981	RIDB-33-110.0-20181011	10/11/2018	SW9056	14797-55-8_N	Nitrate as N	1.2	J	1.1	1.5	mg/kg	J	sp	< PQL		
4402220981	RIDB-33-120.0-20181011	10/11/2018	SW9056	14797-55-8_N	Nitrate as N	1.4	J	1.1	1.6	mg/kg	J	sp	< PQL		
4402220981	RIDB-33-140.0-20181011	10/11/2018	SW9056	14797-55-8_N	Nitrate as N	1.4	J	1.1	1.6	mg/kg	J	sp	< PQL		
4402220981	RIDB-33-150.0-20181011	10/11/2018	SW9056	14797-55-8_N	Nitrate as N	1.4	J	1.2	1.7	mg/kg	J	sp	< PQL		
4402220981	RIDB-33-60.0-20181011	10/11/2018	SW9056	14797-55-8_N	Nitrate as N	1.4	J	1.2	1.7	mg/kg	J	sp	< PQL		
4402220981	RIDB-33-90.0-20181011	10/11/2018	SW9056	14797-55-8_N	Nitrate as N	1.8	J	1.4	1.9	mg/kg	J	sp	< PQL		
4402275491	RIDB-35-100-20181212	12/12/2018	SW9056	14797-55-8_N	Nitrate as N	1.7	J	1.4	1.9	mg/kg	J	sp	< PQL		
4402275491	RIDB-35-100-20181212-FD	12/12/2018	SW9056	14797-55-8_N	Nitrate as N	1.8	J	1.4	1.9	mg/kg	J	sp	< PQL		
4402275491	RIDB-35-110-20181212	12/12/2018	SW9056	14797-55-8_N	Nitrate as N	1.6	J	1.3	1.7	mg/kg	J	sp	< PQL		
4402275491	RIDB-35-120-20181212	12/12/2018	SW9056	14797-55-8_N	Nitrate as N	1.6	J	1.3	1.8	mg/kg	J	sp	< PQL		
4402275491	RIDB-35-130-20181212	12/12/2018	SW9056	14797-55-8_N	Nitrate as N	1.3	J	1.2	1.7	mg/kg	J	sp	< PQL		
4402275491	RIDB-35-80-20181212	12/12/2018	SW9056	14797-55-8_N	Nitrate as N	1.2	J	1.2	1.6	mg/kg	J	sp	< PQL		
4402275491	RIDB-35-90-20181212	12/12/2018	SW9056	14797-55-8_N	Nitrate as N	1.8	J	1.3	1.9	mg/kg	J	sp	< PQL		
4402207712	RISB-EJ-02-1.0-20180924	9/24/2018	VFA	127-17-3	Pyruvic Acid		U	2.1	8.6	mg/kg	UJ	m	MS/MSD %R	74.74	80-120 %
4402207712	RISB-EJ-02-10.0-20180924	9/24/2018	VFA	127-17-3	Pyruvic Acid		U	2.6	10	mg/kg	UJ	m	MS/MSD %R	74.74	80-120 %
4402207712	RISB-ER-02-1.0-20180924	9/24/2018	VFA	127-17-3	Pyruvic Acid		UF1	2.2	8.9	mg/kg	UJ	m	MS/MSD %R	74.74	80-120 %
4402207712	RISB-ER-02-10.0-20180924	9/24/2018	VFA	127-17-3	Pyruvic Acid		U	2.6	10	mg/kg	UJ	m	MS/MSD %R	74.74	80-120 %
4402208432	RISB-EJ-03-1.0-20180925	9/25/2018	VFA	127-17-3	Pyruvic Acid		U	2.2	8.9	mg/kg	UJ	m	MS/MSD %R	60.54; 63.-	80-120 %
4402208432	RISB-EJ-03-1.0-20180925-FD	9/25/2018	VFA	127-17-3	Pyruvic Acid		U	2.2	9.0	mg/kg	UJ	m	MS/MSD %R	60.54; 63.-	80-120 %
4402208432	RISB-EJ-03-10.0-20180925	9/25/2018	VFA	127-17-3	Pyruvic Acid		U	2.4	9.6	mg/kg	UJ	m	MS/MSD %R	60.54; 63.-	80-120 %
4402208432	RISB-EJ-04-1.0-20180925	9/25/2018	VFA	127-17-3	Pyruvic Acid		UF1	2.6	10	mg/kg	UJ	m	MS/MSD %R	60.54; 63.-	80-120 %
4402208432	RISB-EJ-04-10.0-20180925	9/25/2018	VFA	127-17-3	Pyruvic Acid		U	2.6	10	mg/kg	UJ	m	MS/MSD %R	60.54; 63.-	80-120 %
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	VFA	127-17-3	Pyruvic Acid		U	2.4	9.4	mg/kg	UJ	m	MS/MSD %R	60.54; 63.-	80-120 %
4402208432	RISB-ER-01-10.0-20180925	9/25/2018	VFA	127-17-3	Pyruvic Acid		UF1	2.6	10	mg/kg	UJ	m	MS/MSD %R	60.54; 63.-	80-120 %
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	VFA	127-17-3	Pyruvic Acid		U	2.5	9.9	mg/kg	UJ	m	MS/MSD %R	60.54; 63.-	80-120 %
4402208432	RISB-ER-03-10.0-20180925	9/25/2018	VFA	127-17-3	Pyruvic Acid		U	2.7	11	mg/kg	UJ	m	MS/MSD %R	60.54; 63.-	80-120 %
4402207712	RISB-EJ-02-1.0-20180924	9/24/2018	E903.0	13982-63-3	Radium-226	0.957		0.0664	0.0664	pCi/g	J	bl	MB contamination	0.2005	1.0 pCi/g
4402207712	RISB-ER-02-10.0-20180924	9/24/2018	E903.0	13982-63-3	Radium-226	0.928		0.0870	0.0870	pCi/g	J	bl	MB contamination	0.2005	1.0 pCi/g
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	E903.0	13982-63-3	Radium-226	0.897		0.0722	0.0722	pCi/g	J	bl	MB contamination	0.3029	1.0 pCi/g
4402208432	RISB-EJ-03-1.0-20180925	9/25/2018	DOE U-02	15117-96-1	Uranium-235	0.0377		0.0377	0.0377	pCi/g	J	ld	DUP RER	1.04	1.0
4402208432	RISB-EJ-03-1.0-20180925-FD	9/25/2018	DOE U-02	15117-96-1	Uranium-235	0.0213	U	0.0681	0.0681	pCi/g	UJ	ld	DUP RER	1.04	1.0
4402208432	RISB-EJ-03-10.0-20180925	9/25/2018	DOE U-02	15117-96-1	Uranium-235	0.0719	U	0.0836	0.0836	pCi/g	UJ	ld	DUP RER	1.04	1.0
4402208432	RISB-EJ-04-10.0-20180925	9/25/2018	DOE U-02	15117-96-1	Uranium-235	0.0729	U	0.0763	0.0763	pCi/g	UJ	ld	DUP RER	1.04	1.0
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	DOE U-02	15117-96-1	Uranium-235	0.0655		0.0393	0.0393	pCi/g	J	ld	DUP RER	1.04	1.0
4402208432	RISB-ER-01-10.0-20180925	9/25/2018	DOE U-02	15117-96-1	Uranium-235	0.155		0.0694	0.0694	pCi/g	J	ld	DUP RER	1.04	1.0
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	DOE U-02	15117-96-1	Uranium-235	0.00755	U	0.0628	0.0628	pCi/g	UJ	ld	DUP RER	1.04	1.0

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte ¹	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator ²	Qualification Finding	Acceptance Criteria
4402208432	RISB-ER-03-10.0-20180925	9/25/2018	DOE U-02	15117-96-1	Uranium-235	0.0250	U	0.0628	0.0628	pci/g	UJ	ld	DUP RER	1.04	1.0
4402208432	RISB-EJ-04-1.0-20180925	9/25/2018	DOE U-02	15117-96-1	Uranium-235	0.00693	U	0.0576	0.0576	pci/g	UJ	ld	DUP RER	1.04	1.0
4402208432	RISB-EJ-03-1.0-20180925	9/25/2018	DOE U-02	U-Total	Uranium-Total	1.84		0.0718	0.0718	pci/g	J	ld	DUP RER	1.05	1.0
4402208432	RISB-EJ-03-1.0-20180925-FD	9/25/2018	DOE U-02	U-Total	Uranium-Total	1.89		0.0681	0.0681	pci/g	J	ld	DUP RER	1.05	1.0
4402208432	RISB-EJ-03-10.0-20180925	9/25/2018	DOE U-02	U-Total	Uranium-Total	2.56		0.0836	0.0836	pci/g	J	ld	DUP RER	1.05	1.0
4402208432	RISB-EJ-04-1.0-20180925	9/25/2018	DOE U-02	U-Total	Uranium-Total	1.84		0.0576	0.0576	pci/g	J	ld	DUP RER	1.05	1.0
4402208432	RISB-EJ-04-10.0-20180925	9/25/2018	DOE U-02	U-Total	Uranium-Total	2.62		0.0927	0.0927	pci/g	J	ld	DUP RER	1.05	1.0
4402208432	RISB-ER-01-1.0-20180925	9/25/2018	DOE U-02	U-Total	Uranium-Total	1.87		0.0681	0.0681	pci/g	J	ld	DUP RER	1.05	1.0
4402208432	RISB-ER-01-10.0-20180925	9/25/2018	DOE U-02	U-Total	Uranium-Total	3.98		0.0694	0.0694	pci/g	J	ld	DUP RER	1.05	1.0
4402208432	RISB-ER-03-1.0-20180925	9/25/2018	DOE U-02	U-Total	Uranium-Total	1.75		0.0690	0.0690	pci/g	J	ld	DUP RER	1.05	1.0
4402208432	RISB-ER-03-10.0-20180925	9/25/2018	DOE U-02	U-Total	Uranium-Total	3.06		0.0716	0.0716	pci/g	J	ld	DUP RER	1.05	1.0
4402088641	M-227R-20180413	4/13/2018	E218.6	18540-29-9	Chromium VI		UH	0.25	1.0	ug/l	R	h	Holding time	72	24 hours
4402124221	PC-155A-20180530	5/30/2018	SM3500	7439-89-6-FE2	Iron, Ferrous		UHF	0.10	0.10	mg/l	UJ	h	Holding time	96	48 hours
4402124221	PC-155B-20180530	5/30/2018	SM3500	7439-89-6-FE2	Iron, Ferrous		UHF	0.10	0.10	mg/l	UJ	h	Holding time	96	48 hours
4402124221	PC-156A-20180530	5/30/2018	SM3500	7439-89-6-FE2	Iron, Ferrous		UHF	0.10	0.10	mg/l	UJ	h	Holding time	96	48 hours
4402124221	PC-156B-20180530	5/30/2018	SM3500	7439-89-6-FE2	Iron, Ferrous		UHF	0.10	0.10	mg/l	UJ	h	Holding time	96	48 hours
4402124221	PC-156B-20180530-FD	5/30/2018	SM3500	7439-89-6-FE2	Iron, Ferrous		UHF	0.10	0.10	mg/l	UJ	h	Holding time	96	48 hours
4402207711	RISB-EJ-02-1.0-20180924	9/24/2018	SW8270	62-53-3	Aniline		U*	0.14	1.0	mg/kg	R	l	LCS %R		0 23-105 %
4402207711	RISB-EJ-02-1.0-20180924	9/24/2018	SW8270	92-87-5	Benzidine		U*	0.17	2.1	mg/kg	R	l	LCS %R		0 5-61 %
4402207711	RISB-EJ-02-10.0-20180924	9/24/2018	SW8270	92-87-5	Benzidine		U*	0.18	2.2	mg/kg	R	l	LCS %R		0 5-61 %
4402207711	RISB-EJ-02-10.0-20180924	9/24/2018	SW8270	62-53-3	Aniline		U*	0.15	1.1	mg/kg	R	l	LCS %R		0 23-105 %
4402207711	RISB-ER-02-1.0-20180924	9/24/2018	SW8270	62-53-3	Aniline		U*	0.14	1.0	mg/kg	R	l	LCS %R		0 23-105 %
4402207711	RISB-ER-02-1.0-20180924	9/24/2018	SW8270	92-87-5	Benzidine		U*	0.18	2.2	mg/kg	R	l	LCS %R		0 5-61 %
4402207711	RISB-ER-02-10.0-20180924	9/24/2018	SW8270	62-53-3	Aniline		U*	0.15	1.1	mg/kg	R	l	LCS %R		0 23-105 %
4402207711	RISB-ER-02-10.0-20180924	9/24/2018	SW8270	92-87-5	Benzidine		U*	0.18	2.3	mg/kg	R	l	LCS %R		0 5-61 %
4402208431	RISB-EJ-03-1.0-20180925	9/25/2018	SW8270	62-53-3	Aniline		U*	0.14	1.0	mg/kg	R	l	LCS %R		0 23-105 %
4402208431	RISB-EJ-03-1.0-20180925	9/25/2018	SW8270	92-87-5	Benzidine		U*	0.18	2.2	mg/kg	R	l	LCS %R		0 5-61 %
4402208431	RISB-EJ-03-1.0-20180925	9/25/2018	SW9056	7723-14-0P	Orthophosphate (total) (As P)		U	1.3	1.6	mg/kg	R	m	MS/MSD %R	29,40	80-120 %
4402208431	RISB-EJ-03-1.0-20180925-FD	9/25/2018	SW9056	7723-14-0P	Orthophosphate (total) (As P)		U	1.3	1.6	mg/kg	R	m	MS/MSD %R	29,40	80-120 %
4402208431	RISB-EJ-03-1.0-20180925-FD	9/25/2018	SW8270	92-87-5	Benzidine		U*	0.17	2.2	mg/kg	R	l	LCS %R		0 5-61 %
4402208431	RISB-EJ-03-1.0-20180925-FD	9/25/2018	SW8270	62-53-3	Aniline		U*	0.14	1.0	mg/kg	R	l	LCS %R		0 23-105 %
4402208431	RISB-EJ-03-10.0-20180925	9/25/2018	SW8270	62-53-3	Aniline		U*	0.15	1.1	mg/kg	R	l	LCS %R		0 23-105 %
4402208431	RISB-EJ-03-10.0-20180925	9/25/2018	SW8270	92-87-5	Benzidine		U*	0.18	2.3	mg/kg	R	l	LCS %R		0 5-61 %
4402208431	RISB-EJ-03-10.0-20180925	9/25/2018	SW9056	7723-14-0P	Orthophosphate (total) (As P)		U	1.4	1.7	mg/kg	R	m	MS/MSD %R	29,40	80-120 %
4402208431	RISB-EJ-04-1.0-20180925	9/25/2018	SW9056	7723-14-0P	Orthophosphate (total) (As P)		UF2F1	1.4	1.7	mg/kg	R	m	MS/MSD %R	29,40	80-120 %
4402208431	RISB-EJ-04-1.0-20180925	9/25/2018	SW8270	92-87-5	Benzidine		U*F1	0.18	2.2	mg/kg	R	m	MS/MSD %R	0,0	20-120 %
4402208431	RISB-EJ-04-10.0-20180925	9/25/2018	SW9056	7723-14-0P	Orthophosphate (total) (As P)		U	1.5	1.8	mg/kg	R	m	MS/MSD %R	29,40	80-120 %
4402208431	RISB-EJ-04-10.0-20180925	9/25/2018	SW8270	92-87-5	Benzidine		U*	0.20	2.4	mg/kg	R	l	LCS %R		0 5-61 %
4402208431	RISB-EJ-04-10.0-20180925	9/25/2018	SW8270	62-53-3	Aniline		U*	0.16	1.2	mg/kg	R	l	LCS %R		0 23-105 %
4402208431	RISB-ER-01-1.0-20180925	9/25/2018	SW8270	62-53-3	Aniline		U*	0.15	1.0	mg/kg	R	l	LCS %R		0 23-105 %
4402208431	RISB-ER-01-1.0-20180925	9/25/2018	SW8270	92-87-5	Benzidine		U*	0.18	2.2	mg/kg	R	l	LCS %R		0 5-61 %
4402208431	RISB-ER-01-1.0-20180925	9/25/2018	SW9056	7723-14-0P	Orthophosphate (total) (As P)		U	1.3	1.7	mg/kg	R	m	MS/MSD %R	29,40	80-120 %
4402208431	RISB-ER-01-10.0-20180925	9/25/2018	SW9056	7723-14-0P	Orthophosphate (total) (As P)		U	1.4	1.7	mg/kg	R	m	MS/MSD %R	29,40	80-120 %
4402208431	RISB-ER-01-10.0-20180925	9/25/2018	SW8270	92-87-5	Benzidine		U*	0.18	2.3	mg/kg	R	l	LCS %R		0 5-61 %
4402208431	RISB-ER-01-10.0-20180925	9/25/2018	SW8270	62-53-3	Aniline		U*	0.15	1.1	mg/kg	R	l	LCS %R		0 23-105 %
4402208431	RISB-ER-03-1.0-20180925	9/25/2018	SW8270	62-53-3	Aniline		U*	0.14	1.0	mg/kg	R	l	LCS %R		0 23-105 %
4402208431	RISB-ER-03-1.0-20180925	9/25/2018	SW8270	92-87-5	Benzidine		U*	0.18	2.2	mg/kg	R	l	LCS %R		0 5-61 %
4402208431	RISB-ER-03-1.0-20180925	9/25/2018	SW9056	7723-14-0P	Orthophosphate (total) (As P)		U	1.3	1.7	mg/kg	R	m	MS/MSD %R	29,40	80-120 %
4402208431	RISB-ER-03-10.0-20180925	9/25/2018	SW9056	7723-14-0P	Orthophosphate (total) (As P)		U	1.4	1.7	mg/kg	R	m	MS/MSD %R	29,40	80-120 %
4402208431	RISB-ER-03-10.0-20180925	9/25/2018	SW8270	92-87-5	Benzidine		U*	0.19	2.3	mg/kg	R	l	LCS %R		0 5-61 %
4402208431	RISB-ER-03-10.0-20180925	9/25/2018	SW8270	62-53-3	Aniline		U*	0.15	1.1	mg/kg	R	l	LCS %R		0 23-105 %
4402282261	RISB-3-15.0-20181218	12/18/2018	E300	14265-44-2PO4	Orthophosphate (total) (As PO4)		U	4.2	5.2	mg/kg	R	m	MS/MSD %R	-,12; 35,27	80-120 %
4402282261	RISB-3-20.0-20181218	12/18/2018	E300	14265-44-2PO4	Orthophosphate (total) (As PO4)		U	4.3	5.3	mg/kg	R	m	MS/MSD %R	-,12; 35,27	80-120 %
4402282261	RISB-3-20.0-20181218-FD	12/18/2018	E300	14265-44-2PO4	Orthophosphate (total) (As PO4)		U	4.3	5.4	mg/kg	R	m	MS/MSD %R	-,12; 35,27	80-120 %
4402282261	RISB-3-25.0-20181218	12/18/2018	E300	14265-44-2PO4	Orthophosphate (total) (As PO4)		U	4.5	5.6	mg/kg	R	m	MS/MSD %R	-,12; 35,27	80-120 %

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte ¹	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator ²	Qualification Finding	Acceptance Criteria
4402282261	RISB-3-30.0-20181218	12/18/2018	E300	14265-44-2PO4	Orthophosphate (total) (As PO4)		U	4.4	5.5	mg/kg	R	m	MS/MSD %R	-,12; 35,27	80-120 %
4402282261	RISB-3-32.0-20181218	12/18/2018	E300	14265-44-2PO4	Orthophosphate (total) (As PO4)		U	6.3	7.9	mg/kg	R	m	MS/MSD %R	-,12; 35,27	80-120 %
4402282261	RISB-4-0.5-20181218	12/18/2018	E300	14265-44-2PO4	Orthophosphate (total) (As PO4)		U	4.2	5.2	mg/kg	R	m	MS/MSD %R	-,12; 35,27	80-120 %
4402282261	RISB-4-10.0-20181218	12/18/2018	E300	14265-44-2PO4	Orthophosphate (total) (As PO4)		U	4.4	5.5	mg/kg	R	m	MS/MSD %R	-,12; 35,27	80-120 %
4402282261	RISB-4-15.0-20181218	12/18/2018	E300	14265-44-2PO4	Orthophosphate (total) (As PO4)		UF2F1	4.2	5.3	mg/kg	R	m	MS/MSD %R	-,12; 35,27	80-120 %
4402282261	RISB-4-20.0-20181218	12/18/2018	E300	14265-44-2PO4	Orthophosphate (total) (As PO4)		U	4.5	5.6	mg/kg	R	m	MS/MSD %R	-,12; 35,27	80-120 %
4402282261	RISB-4-25.0-20181218	12/18/2018	E300	14265-44-2PO4	Orthophosphate (total) (As PO4)		U	4.5	5.7	mg/kg	R	m	MS/MSD %R	-,12; 35,27	80-120 %
4402282261	RISB-4-25.5-20181218	12/18/2018	E300	14265-44-2PO4	Orthophosphate (total) (As PO4)		U	5.0	6.3	mg/kg	R	m	MS/MSD %R	-,12; 35,27	80-120 %
4402282261	RISB-4-27.5-20181218	12/18/2018	E300	14265-44-2PO4	Orthophosphate (total) (As PO4)		U	6.2	7.8	mg/kg	R	m	MS/MSD %R	-,12; 35,27	80-120 %
4402282261	RISB-4-30.0-20181218	12/18/2018	E300	14265-44-2PO4	Orthophosphate (total) (As PO4)		U	5.6	7.0	mg/kg	R	m	MS/MSD %R	-,12; 35,27	80-120 %
4402282261	RISB-4-5.0-20181218	12/18/2018	E300	14265-44-2PO4	Orthophosphate (total) (As PO4)		U	4.2	5.3	mg/kg	R	m	MS/MSD %R	-,12; 35,27	80-120 %
4402282261	RISB-5-0.5-20181218	12/18/2018	E300	14265-44-2PO4	Orthophosphate (total) (As PO4)		U	4.1	5.2	mg/kg	R	m	MS/MSD %R	-,12; 35,27	80-120 %
4402282261	RISB-5-0.5-20181218-FD	12/18/2018	E300	14265-44-2PO4	Orthophosphate (total) (As PO4)		U	4.2	5.2	mg/kg	R	m	MS/MSD %R	-,12; 35,27	80-120 %
4402282261	RISB-5-5.0-20181218	12/18/2018	E300	14265-44-2PO4	Orthophosphate (total) (As PO4)		U	4.2	5.2	mg/kg	R	m	MS/MSD %R	-,12; 35,27	80-120 %
4402282261	RISB-3-5.0-20181218	12/18/2018	SW6010	7440-33-7	Tungsten		U	2.6	10	mg/kg	UJ	m	MS/MSD %R	60,62	75-125 %
4402282261	RISB-5-20.0-20181218	12/18/2018	SW6010	7440-33-7	Tungsten		U	2.7	11	mg/kg	UJ	m	MS/MSD %R	68,70	75-125 %
4402282261	RISB-5-25.0-20181218	12/18/2018	SW6010	7440-33-7	Tungsten		U	3.7	15	mg/kg	UJ	m	MS/MSD %R	68,70	75-125 %
4402282261	RISB-4-0.5-20181218	12/18/2018	SW6010	7440-39-3	Barium	110		0.77	1.5	mg/kg	J	sd	Serial dilution %D	12	10 %
4402282261	RISB-4-0.5-20181218	12/18/2018	SW6010	7439-96-5	Manganese	260		1.0	2.1	mg/kg	J	sd	Serial dilution %D	12	10 %
4402282261	RISB-4-0.5-20181218	12/18/2018	SW6010	7439-95-4	Magnesium	2200		5.1	10	mg/kg	J	sd	Serial dilution %D	13	10 %

Notes:

1. Analyte Abbreviations:

- 1,2,3,4,6,7,8-HpCDD = 1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin
- 1,2,3,4,7,8-HxCDD = 1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin
- 1,2,3,6,7,8-HxCDD = 1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin

2. Surrogate Acronyms:

- BFB = Bromofluorobenzene
- DCAA = Dichloroacetic acid

ATTACHMENT A
VOC (METHOD SW8260B) 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
440-236217-1	MC-29-20190313-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

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
440-207465-1	03/24/18	Dichlorodifluoromethane	28.2	All soil samples in SDG 440-207465-1	UJ (all non-detects)	A
440-207465-1	03/24/18	sec-Butylbenzene p-Isopropyltoluene Naphthalene	21.0 23.8 23.1	All soil samples in SDG 440-207465-1	NA	-
440-207465-1	03/24/18	1,2,4-Trichlorobenzene	26.3	PCDB-6-30.0-20180328 PCDB-6-40.0-20180328 PCDB-6-50.0-20180328	J+ (all detects)	A
440-207465-1	03/24/18	1,2,4-Trichlorobenzene	26.3	PCDB-6-5.0-20180328 PCDB-6-10.0-20180328 PCDB-6-20.0-20180328 PCDB-6-60.0-20180328 PCDB-6-70.0-20180328 PCDB-6-70.0-20180328-FD PCDB-6-80.0-20180328 PCDB-6-90.0-20180328	NA	-
440-207465-1	03/24/18	1,2,3-Trichlorobenzene	24.3	PCDB-6-50.0-20180328	J+ (all detects)	A
440-207465-1	03/24/18	1,2,3-Trichlorobenzene	24.3	PCDB-6-5.0-20180328 PCDB-6-10.0-20180328 PCDB-6-20.0-20180328 PCDB-6-30.0-20180328 PCDB-6-40.0-20180328 PCDB-6-60.0-20180328 PCDB-6-70.0-20180328 PCDB-6-70.0-20180328-FD PCDB-6-80.0-20180328 PCDB-6-90.0-20180328	NA	-
440-220771-1	09/05/18 (NHI04021)	Dichlorodifluoromethane	25.8	All soil samples in SDG 440-220771-1	UJ (all non-detects)	A
440-220771-1	09/05/18 (NHI04021)	2-Hexanone	22.0	All soil samples in SDG 440-220771-1	NA	-
440-220951-1	09/05/18 (NHI04021)	Dichlorodifluoromethane	25.8	All samples in SDG 440-220951-1	UJ (all non-detects)	A
440-221747-1	09/05/18 (NHI04021)	Dichlorodifluoromethane	25.8	All samples in SDG 440-221747-1	UJ (all non-detects)	A
440-221747-1	09/05/18 (NHI04021)	2-Hexanone	22.0	All samples in SDG 440-221747-1	NA	-
440-221888-1	09/05/18 (NHI04021)	Dichlorodifluoromethane	25.8	All samples in SDG 440-221888-1	UJ (all non-detects)	A

SDG	Date	Compound	%D	Associated Samples	Flag	A or P
440-221888-1	09/05/18 (NHI04021)	2-Hexanone	22.0	All samples in SDG 440-221888-1	NA	-
440-221976-1	09/05/18 (NHI04021)	Dichlorodifluoromethane	25.8	RIDB-31-140.0-20181010-TB RIDB-31-140.0-20181010 RIDB-31-140.0-20181010-FD RIDB-31-150.0-20181010	UJ (all non-detects)	A
440-221976-1	09/05/18 (NHI04021)	2-Hexanone	22.0	RIDB-31-140.0-20181010-TB RIDB-31-140.0-20181010 RIDB-31-140.0-20181010-FD RIDB-31-150.0-20181010	NA	-
440-227549-1	12/12/18 (JHL12031)	Dichlorodifluoromethane	20.9	RIDB-35-20181212-TB RIDB-35-1-20181212** RIDB-35-5-20181212** RIDB-35-10-20181212** RIDB-35-20-20181212** RIDB-35-30-20181212** RIDB-35-40-20181212** RIDB-35-50-20181212** RIDB-35-60-20181212** RIDB-35-70-20181212** RIDB-35-90-20181212** RIDB-35-100-20181212** RIDB-35-100-20181212-FD** RIDB-35-110-20181212** RIDB-35-120-20181212** RIDB-35-130-20181212** RIDB-35-140-20181212** RIDB-35-150-20181212** RIDB-34-5-20181212**	UJ (all non-detects)	A
440-227549-1	11/28/18 (SHK27013)	Dichlorodifluoromethane Chloromethane Vinyl chloride	34.2 23.8 21.0	RIDB-35-80-20181212** RIDB-34-1-20181212**	UJ (all non-detects) UJ (all non-detects) UJ (all non-detects)	A
440-227679-1	12/12/18 (JHL12031)	Dichlorodifluoromethane	20.9	RIDB-34-20181213-TB RIDB-34-10-20181213 RIDB-34-20-20181213 RIDB-34-30-20181213 RIDB-34-40-20181213 RIDB-34-50-20181213 RIDB-34-60-20181213	UJ (all non-detects)	A

SDG	Date	Compound	%D	Associated Samples	Flag	A or P
440-227679-1	12/13/18 (YHL12041)	Dichlorodifluoromethane Chloromethane Vinyl chloride	39.3 29.0 24.5	RIDB-34-70-20181213 RIDB-34-70-20181213-FD RIDB-34-80-20181213 RIDB-34-90-20181213 RIDB-34-100-20181213 RIDB-34-110-20181213 RIDB-34-120-20181213 RIDB-34-130-20181213 RIDB-34-140-20181213 RIDB-34-140-20181213-FD RIDB-34-150-20181213 RIDB-36-1-20181213 RIDB-36-5-20181213 RIDB-36-10-20181213 RIDB-36-20-20181213 RIDB-36-30-20181213 RIDB-36-40-20181213 RIDB-36-50-20181213	UJ (all non-detects) UJ (all non-detects) UJ (all non-detects)	A
440-227679-1	12/13/18 (YHL12041)	1,2,4-Trichlorobenzene	25.0	RIDB-34-70-20181213 RIDB-34-70-20181213-FD RIDB-34-80-20181213 RIDB-34-90-20181213 RIDB-34-100-20181213 RIDB-34-110-20181213 RIDB-34-120-20181213 RIDB-34-130-20181213 RIDB-34-140-20181213 RIDB-34-140-20181213-FD RIDB-34-150-20181213 RIDB-36-1-20181213 RIDB-36-5-20181213 RIDB-36-10-20181213 RIDB-36-20-20181213 RIDB-36-30-20181213 RIDB-36-40-20181213 RIDB-36-50-20181213	NA	-
440-227679-1	12/13/18 (YHL12041)	Naphthalene	31.2	RIDB-34-70-20181213 RIDB-34-70-20181213-FD	J+ (all detects)	A
440-227679-1	12/13/18 (YHL12041)	Naphthalene	31.2	RIDB-34-80-20181213 RIDB-34-90-20181213 RIDB-34-100-20181213 RIDB-34-110-20181213 RIDB-34-120-20181213 RIDB-34-130-20181213 RIDB-34-140-20181213 RIDB-34-140-20181213-FD RIDB-34-150-20181213 RIDB-36-1-20181213 RIDB-36-5-20181213 RIDB-36-10-20181213 RIDB-36-20-20181213 RIDB-36-30-20181213 RIDB-36-40-20181213 RIDB-36-50-20181213	NA	-
440-227679-1	12/13/18 (YHL12041)	1,2,3-Trichlorobenzene	21.4	RIDB-34-70-20181213 RIDB-36-20-20181213	J+ (all detects)	A

SDG	Date	Compound	%D	Associated Samples	Flag	A or P
440-227679-1	12/13/18 (YHL12041)	1,2,3-Trichlorobenzene	21.4	RIDB-34-70-20181213-FD RIDB-34-80-20181213 RIDB-34-90-20181213 RIDB-34-100-20181213 RIDB-34-110-20181213 RIDB-34-120-20181213 RIDB-34-130-20181213 RIDB-34-140-20181213 RIDB-34-140-20181213-FD RIDB-34-150-20181213 RIDB-36-1-20181213 RIDB-36-5-20181213 RIDB-36-10-20181213 RIDB-36-30-20181213 RIDB-36-40-20181213 RIDB-36-50-20181213	NA	-
440-227911-1	12/13/18 (YHL12041)	Dichlorodifluoromethane Chloromethane Vinyl chloride	39.3 29.0 24.5	All samples in SDG 440-227911-1	UJ (all non-detects) UJ (all non-detects) UJ (all non-detects)	A
440-227911-1	12/13/18 (YHL12041)	1,2,4-Trichlorobenzene 1,2,3-Trichlorobenzene	25.0 21.4	All samples in SDG 440-227911-1	NA	-
440-227911-1	12/13/18 (YHL12041)	Naphthalene	31.2	RIDB-36-20181214-TB RIDB-36-60-20181214 RIDB-36-70-20181214 RIDB-36-80-20181214 RIDB-36-90-20181214 RIDB-36-110-20181214 RIDB-36-120-20181214 RIDB-36-120-20181214-FD RIDB-36-130-20181214 RIDB-36-140-20181214 RIDB-36-150-20181214	NA	-

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
440-220771-1	09/29/18 (NHI29002)	Acetone Ethyl tert-butyl ether 4-Methyl-2-pentanone 2-Hexanone 1,2-Dibromo-3-chloropropane	30.7 24.0 24.3 28.8 20.6	All soil samples in SDG 440-220771-1	UJ (all non-detects) UJ (all non-detects) UJ (all non-detects) UJ (all non-detects) UJ (all non-detects)	A

SDG	Date	Compound	%D	Associated Samples	Flag	A or P
440-220843-1	09/29/18 (JHI29002)	Acetone 2-Butanone 4-Methyl-2-pentanone 2-Hexanone	27.2 25.3 22.7 29.2	RISB-EJ-04-1.0-20180925-TB RISB-ER-03-1.0-20180925 RISB-ER-03-10.0-20180925 RISB-ER-01-1.0-20180925 RISB-ER-01-10.0-20180925	NA	-
440-220843-1	09/29/18 (YHI29002)	Chloromethane Isopropyl ether	20.7 34.2	RISB-EJ-04-1.0-20180925 RISB-EJ-04-10.0-20180925 RISB-EJ-03-1.0-20180925 RISB-EJ-03-1.0-20180925-FD RISB-EJ-03-10.0-20180925	NA	-
440-220843-1	09/29/18 (YHI29002)	1,2,3-Trichloropropane	22.2	RISB-EJ-04-1.0-20180925 RISB-EJ-04-10.0-20180925 RISB-EJ-03-1.0-20180925 RISB-EJ-03-1.0-20180925-FD RISB-EJ-03-10.0-20180925	UJ (all non-detects)	A
440-220951-1	10/02/18 (NHJ02002)	Chloromethane Isopropyl ether Ethyl tert-butyl ether 4-Methyl-2-pentanone 1,2-Dibromo-3-chloropropane	21.5 26.8 23.0 39.1 22.5	All samples in SDG 440-220951-1	UJ (all non-detects) UJ (all non-detects) UJ (all non-detects) UJ (all non-detects) UJ (all non-detects)	A
440-221747-1	10/10/18 (NHJ10002)	Acetone	33.8	RIDB-30-50.0-20181008-TB RIDB-30-50.0-20181008** RIDB-30-60.0-20181008** RIDB-30-70.0-20181008** RIDB-30-80.0-20181008** RIDB-30-90.0-20181008** RIDB-30-100.0-20181008** RIDB-30-110.0-20181008**	UJ (all non-detects)	A
440-221747-1	10/13/18 (NHJ13002)	Acetone 2-Butanone 4-Methyl-2-pentanone 2-Hexanone	27.8 24.7 22.7 28.6	RIDB-30-120.0-20181008**	UJ (all non-detects) UJ (all non-detects) UJ (all non-detects) UJ (all non-detects)	A
440-221888-1	10/13/18 (NHJ13002)	Acetone 2-Butanone 4-Methyl-2-pentanone 2-Hexanone	27.8 24.7 22.7 28.6	All samples in SDG 440-221888-1	UJ (all non-detects) UJ (all non-detects) UJ (all non-detects) UJ (all non-detects)	A
440-221976-1	10/13/18 (NHJ13002)	Acetone 2-Butanone 4-Methyl-2-pentanone 2-Hexanone	27.8 24.7 22.7 28.6	RIDB-31-140.0-20181010-TB RIDB-31-140.0-20181010 RIDB-31-140.0-20181010-FD RIDB-31-150.0-20181010	UJ (all non-detects) UJ (all non-detects) UJ (all non-detects) UJ (all non-detects)	A
440-221976-1	10/16/18 (SHJ16005)	Dichlorodifluoromethane Trichlorofluoromethane 2,2-Dichloropropane 1,2-Dichloroethane 1,1,1-Trichloroethane Carbon tetrachloride Dibromochloromethane Bromoform	35.9 29.0 20.2 28.8 21.1 31.1 23.7 25.2	RIDB-32-50.0-20181010 RIDB-32-60.0-20181010 RIDB-32-70.0-20181010 RIDB-32-80.0-20181010 RIDB-32-80.0-20181010-FD RIDB-32-90.0-20181010 RIDB-32-100.0-20181010 RIDB-32-110.0-20181010 RIDB-32-120.0-20181010	NA	-

SDG	Date	Compound	%D	Associated Samples	Flag	A or P
440-221976-1	10/16/18 (SHJ16005)	1,1,2,2-Tetrachloroethane n-Propylbenzene	25.8 20.3	RIDB-32-50.0-20181010 RIDB-32-60.0-20181010 RIDB-32-70.0-20181010 RIDB-32-80.0-20181010 RIDB-32-80.0-20181010-FD RIDB-32-90.0-20181010 RIDB-32-100.0-20181010 RIDB-32-110.0-20181010 RIDB-32-120.0-20181010	UJ (all non-detects) UJ (all non-detects)	A
440-221976-1	10/17/18 (SHJ17003)	Dichlorodifluoromethane Trichlorofluoromethane Acetone tert-Butyl alcohol 2,2-Dichloropropane 1,2-Dichloroethane 1,1,1-Trichloroethane Carbon tetrachloride	28.6 33.5 21.2 20.2 21.1 28.3 29.5 43.2	RIDB-32-130.0-20181010 RIDB-32-140.0-20181010 RIDB-32-150.0-20181010	NA	-
440-221976-1	10/17/18 (SHJ17003)	Chloroethane 1,1,2,2-Tetrachloroethane n-Propylbenzene	20.1 23.6 21.8	RIDB-32-130.0-20181010 RIDB-32-140.0-20181010 RIDB-32-150.0-20181010	UJ (all non-detects) UJ (all non-detects) UJ (all non-detects)	A
440-222098-1	10/16/18 (SHJ16005)	Dichlorodifluoromethane Trichlorofluoromethane 2,2-Dichloropropane 1,2-Dichloroethane 1,1,1-Trichloroethane Dibromochloromethane Bromoform	35.9 29.0 20.2 28.8 21.1 23.7 25.2	RIDB-33-50.0-20181011-TB RIDB-33-50.0-20181011 RIDB-33-60.0-20181011 RIDB-33-70.0-20181011 RIDB-33-80.0-20181011 RIDB-33-90.0-20181011	NA	-
440-222098-1	10/16/18 (SHJ16005)	Carbon tetrachloride	31.1	RIDB-33-50.0-20181011-TB RIDB-33-60.0-20181011 RIDB-33-70.0-20181011 RIDB-33-80.0-20181011 RIDB-33-90.0-20181011	NA	-
440-222098-1	10/16/18 (SHJ16005)	Carbon tetrachloride	31.1	RIDB-33-50.0-20181011	J+ (all detects)	A
440-222098-1	10/16/18 (SHJ16005)	1,1,2,2-Tetrachloroethane n-Propylbenzene	25.8 20.3	RIDB-33-50.0-20181011-TB RIDB-33-50.0-20181011 RIDB-33-60.0-20181011 RIDB-33-70.0-20181011 RIDB-33-80.0-20181011 RIDB-33-90.0-20181011	UJ (all non-detects) UJ (all non-detects)	A
440-222098-1	10/17/18 (SHJ17003)	Dichlorodifluoromethane Trichlorofluoromethane Acetone tert-Butyl alcohol 2,2-Dichloropropane 1,2-Dichloroethane 1,1,1-Trichloroethane Carbon tetrachloride	28.6 33.5 21.2 20.2 21.1 28.3 29.5 43.2	RIDB-33-100.0-20181011 RIDB-33-100.0-20181011-FD RIDB-33-110.0-20181011 RIDB-33-120.0-20181011 RIDB-33-130.0-20181011 RIDB-33-140.0-20181011 RIDB-33-150.0-20181011	NA	-

SDG	Date	Compound	%D	Associated Samples	Flag	A or P
440-222098-1	10/17/18 (SHJ17003)	Chloroethane 1,1,2,2-Tetrachloroethane n-Propylbenzene	20.1 23.6 21.8	RIDB-33-100.0-20181011 RIDB-33-100.0-20181011-FD RIDB-33-110.0-20181011 RIDB-33-120.0-20181011 RIDB-33-130.0-20181011 RIDB-33-140.0-20181011 RIDB-33-150.0-20181011	UJ (all non-detects) UJ (all non-detects) UJ (all non-detects)	A
440-227679-1	12/18/18 (YHL18002)	Dichlorodifluoromethane Acetone	24.0 26.6	RIDB-34-70-20181213 RIDB-34-70-20181213-FD RIDB-34-80-20181213 RIDB-34-120-20181213	UJ (all non-detects) UJ (all non-detects)	A
440-227679-1	12/19/18 (YHL19002)	trans-1,2-Dichloroethene 4-Methyl-2-pentanone trans-1,3-Dichloropropene n-Propylbenzene n-Butylbenzene	21.0 23.8 21.6 24.2 27.6	RIDB-34-100-20181213 RIDB-34-130-20181213 RIDB-34-140-20181213 RIDB-34-140-20181213-FD RIDB-34-150-20181213 RIDB-36-1-20181213 RIDB-36-5-20181213 RIDB-36-10-20181213 RIDB-36-20-20181213	NA	-
440-227679-1	12/20/18 (YHL20002)	n-Propylbenzene n-Butylbenzene Naphthalene	20.6 24.7 21.7	RIDB-34-90-20181213 RIDB-34-110-20181213 RIDB-36-30-20181213 RIDB-36-40-20181213 RIDB-36-50-20181213	NA	-
440-227911-1	12/24/18 (GHL24002)	Naphthalene	21.0	RIDB-36-100-20181214	UJ (all non-detects)	A
440-227911-1	12/20/18 (YHL20002)	n-Propylbenzene n-Butylbenzene	20.6 24.7	RIDB-36-20181214-TB RIDB-36-60-20181214 RIDB-36-70-20181214 RIDB-36-80-20181214 RIDB-36-90-20181214 RIDB-36-100-20181214 RIDB-36-110-20181214 RIDB-36-120-20181214 RIDB-36-120-20181214-FD	NA	-
440-227911-1	12/20/18 (YHL20002)	Naphthalene	21.7	RIDB-36-20181214-TB RIDB-36-60-20181214 RIDB-36-70-20181214 RIDB-36-80-20181214 RIDB-36-90-20181214 RIDB-36-110-20181214 RIDB-36-120-20181214 RIDB-36-120-20181214-FD	NA	-

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
440-208864-1	MB 440-472218	04/24/18	Chlorobenzene	0.866 ug/L	M-224R-20180413* M-227R-20180413*
440-208864-1	MB 440-472279	04/25/18	Chlorobenzene	0.552 ug/L	M-225R-20180413* M-228R-20180413* M-224R-20180413-EB* M-227R-20180413-TB*
440-220771-1	MB 440-503000/3	10/04/18	Methylene chloride	1.04 ug/L	RISB-ER-02-1.0-20180924-TB*
440-227679-1	MB 440-517789/4	12/18/18	Acetone 1,4-Dichlorobenzene	0.0175 mg/Kg 0.000581 mg/Kg	RIDB-34-70-20181213 RIDB-34-70-20181213-FD RIDB-34-80-20181213 RIDB-34-120-20181213
440-227679-1	MB 440-518330/16	12/20/18	Naphthalene	0.00135 mg/Kg	RIDB-34-90-20181213 RIDB-34-110-20181213 RIDB-36-30-20181213 RIDB-36-40-20181213 RIDB-36-50-20181213
440-227911-1	MB 440-518330/16	12/20/18	Naphthalene	0.00135 mg/Kg	RIDB-36-20181214-TB RIDB-36-60-20181214 RIDB-36-70-20181214 RIDB-36-80-20181214 RIDB-36-90-20181214 RIDB-36-110-20181214 RIDB-36-120-20181214 RIDB-36-120-20181214-FD
440-227911-1	MB 440-518654/7	12/21/18	Acetone	0.0112 mg/Kg	RIDB-36-130-20181214 RIDB-36-140-20181214 RIDB-36-150-20181214

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
440-220771-1	RISB-ER-02-1.0-20180924-TB*	Methylene chloride	1.8 ug/L	1.8J ug/L

VI. Field Blanks

Samples PCDB-6-5.0-20180328-TB* (from SDG 440-207465-1), PC-170R-20180329-TB* (from SDG 440-207514-1), M-227R-20180413-TB* (from SDG 440-208864-1), RISB-ER-02-1.0-20180924-TB* (from SDG 440-220771-1), RISB-EJ-04-1.0-20180925-TB (from SDG 440-220843-1), RISB-EJ-01-1.0-20180926-TB (from SDG 440-220951-1), RIDB-30-50.0-20181008-TB (from SDG 440-221747-1), RIDB-30-130.0-20181009-TB (from SDG 440-221888-1), RIDB-31-140.0-20181010-TB (from SDG 440-221976-1), RIDB-33-50.0-20181011-TB (from SDG 440-222098-1), TB-20181114 (from SDG 440-224426-1), TB-20181115 (from SDG 440-224542-1), TB-20181116 (from SDG 440-224653-1), RIDB-35-20181212-TB (from SDG 440-227549-1), RIDB-34-20181213-TB (from SDG 440-227679-1), RIDB-36-20181214-TB (from SDG 440-227911-1), RISB-1-20181218-TB* (from SDG 440-228226-1), GGW-RISB-1-35.5-20181219-TB* (from SDG 440-228316-1), 20190215-TB (from SDG 440-233779-1), M-270-20190221_TB, M-271-20190221_TB (both from SDG 440-234338-1), Trip Blank (from SDG 440-235977-1), M-270-20190312-TB (from SDG 440-236091-1), M-260-20190313-TB (from SDG 440-236214-1), MC-29-20190313-TB (from SDG 440-236217-1), and M-262-20190314-TB (from SDG 440-236324-1) were identified as trip blanks. No contaminants were found with the following exceptions:

SDG	Blank ID	Collection Date	Compound	Concentration	Associated Samples
440-207514-1	PC-170R-20180329-TB*	03/29/18	Methylene chloride Naphthalene	0.89 ug/L 0.40 ug/L	PC-170R-20180329 PC-40R-20180329 PC-187R-20180329 MC-65R2-20180329 MC-MW-37R2-20180329
440-220771-1	RISB-ER-02-1.0-20180924-TB*	09/24/18	Methylene chloride	1.8 ug/L	RISB-ER-02-1.0-20180924
440-233779-1	20190215-TB	02/15/19	Methylene chloride	0.94 ug/L	M-159-20190215 M-160-20190215 M-269-20190215

Samples M-224R-20180413-EB* (from SDG 440-208864-1), EB-20181116 (from SDG 440-224653-1), and M-271-20190221_EB (from SDG 440-234338-1) were identified as equipment blanks. No contaminants were found.

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.

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
440-221888-1	RIDB-31-130.0-20181009	Bromofluorobenzene	134 (79-120)	All compounds	NA	-
440-221976-1	RIDB-32-150.0-20181010	Bromofluorobenzene	134 (79-120)	All compounds	NA	-
440-227549-1	RIDB-35-50-20181212**	Bromofluorobenzene	121 (79-120)	All compounds	J+ (all detects)	A
440-227549-1	RIDB-35-90-20181212**	Bromofluorobenzene	125 (79-120)	All compounds	NA	-
440-227549-1	RIDB-35-110-20181212**	Bromofluorobenzene	125 (79-120)	All compounds	NA	-
440-227549-1	RIDB-35-120-20181212**	Bromofluorobenzene	128 (79-120)	All compounds	NA	-
440-227549-1	RIDB-35-140-20181212**	Bromofluorobenzene	132 (79-120)	All compounds	NA	-
440-227549-1	RIDB-35-150-20181212**	Bromofluorobenzene	122 (79-120)	All compounds	NA	-
440-227679-1	RIDB-34-50-20181213	Bromofluorobenzene	131 (79-120)	All compounds	NA	-
440-227911-1	RIDB-36-130-20181214	Bromofluorobenzene	133 (79-120)	All compounds	NA	-

VIII. Matrix Spike/Matrix Spike Duplicates

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

SDG	Spike ID (Associated Samples)	Compound	MS (%R) (Limits)	MSD (%R) (Limits)	Flag	A or P
440-220843-1	RISB-EJ-04-1.0-20180925MS/MSD (RISB-EJ-04-1.0-20180925)	Isopropyl ether	-	151 (60-150)	NA	-
440-224426-1	PC-172D-20181114MS/MSD (PC-172D-20181114)	Bromodichloromethane	131 (70-130)	-	NA	-
440-227549-1	RIDB-35-80-20181212MS/MSD (RIDB-35-80-20181212**)	1,3,5-Trimethylbenzene	-	64 (65-135)	UJ (all non-detects)	A
440-227679-1	RIDB-34-50-20181213MS/MSD (RIDB-34-50-20181213)	1,2-Dibromo-3-chloropropane	159 (40-150)	-	NA	-

SDG	Spike ID (Associated Samples)	Compound	MS (%R) (Limits)	MSD (%R) (Limits)	Flag	A or P
440-227679-1	RIDB-34-50-20181213MS/MSD (RIDB-34-50-20181213)	1,2,4-Trichlorobenzene	47 (50-140)	-	UJ (all non-detects)	A

For RIDB-34-50-20181213MS/MSD (from SDG 440-227679-1), no data were qualified for chloroform percent recoveries (%R) outside the QC limits since the results exceeded calibration range in the MS/MSD.

Ethyl tert-butyl ether was not spiked in the PC-157A-20180529MS/MSD (from SDG 440-212325-1).

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

SDG	Spike ID (Associated Samples)	Compound	RPD (Limits)	Flag	A or P
440-227679-1	RIDB-34-50-20181213MS/MSD (RIDB-34-50-20181213)	Chloroform	28 (≤ 20)	J (all detects)	A
440-227679-1	RIDB-34-50-20181213MS/MSD (RIDB-34-50-20181213)	Bromobenzene 2-Chlorotoluene 1,1,1,2-Tetrachloroethane Toluene 1,1,1-Trichloroethane	26 (≤ 25) 26 (≤ 25) 21 (≤ 20) 21 (≤ 20) 22 (≤ 20)	NA	-

IX. Laboratory Control Samples

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

SDG	LCS ID (Associated Samples)	Compound	LCS %R (Limits)	LCSD %R (Limits)	Flag	A or P
440-220843-1	LCS 440-501942/5 (RISB-EJ-04-1.0-20180925 RISB-EJ-04-10.0-20180925 RISB-EJ-03-1.0-20180925 RISB-EJ-03-1.0-20180925-FD RISB-EJ-03-10.0-20180925)	Isopropyl ether	151 (60-140)	-	NA	-

Relative percent differences (RPD) were within QC limits.

X. Field Duplicates

Samples PCDB-6-70.0-20180328 and PCDB-6-70.0-20180328-FD (both from SDG 440-207465-1), samples PC-156B-20180530* and PC-156B-20180530-FD* (both from SDG 440-212422-1), samples RISB-EJ-03-1.0-20180925 and RISB-EJ-03-1.0-20180925-FD (both from SDG 440-220843-1), samples RIDB-30-130.0-20181009 and RIDB-30-130.0-20181009-FD (from SDG 440-221888-1), samples RIDB-31-140.0-20181010 and RIDB-31-140.0-20181010-FD, samples RIDB-32-80.0-20181010 and RIDB-32-80.0-20181010-FD (both from SDG 440-221976-1), samples RIDB-33-100.0-20181011 and RIDB-33-100.0-20181011-FD (from SDG 440-222098-1), samples PC-155A-20181115 and PC-155A-20181115-FD (from SDG 440-224542-1), samples RIDB-35-100-20181212** and RIDB-35-100-20181212-FD** (both from SDG 440-227549-1), samples RIDB-34-70-20181213 and RIDB-34-70-20181213-FD (both from SDG 227679-1), samples RIDB-34-140-20181213 and RIDB-34-140-20181213-FD (both from SDG 440-227679-1), samples RIDB-36-120-20181214 and RIDB-36-120-20181214-FD (both from SDG 440-227911-1), samples M-270-20190221 and M-270-20190221_FD (from SDG 440-234338-1), samples MC-94-20190313 and MC-94-20190313-FD (both from SDG 440-236217-1), and samples M-262-20190314 and M-262-20190314-FD (both from SDG 440-236324-1) 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
		PCDB-6-70.0-20180328	PCDB-6-70.0-20180328-FD			
440-207465-1	Acetone	0.051	0.041	22 (≤50)	-	-

SDG	Compound	Concentration (mg/Kg)		RPD (Limits)	Flag	A or P
		RIDB-34-70-20181213	RIDB-34-70-20181213-FD			
440-227679-1	Chloroform	0.0015	0.0011	31 (≤50)	-	-
	1,2-Dichlorobenzene	0.0031	0.0014U	200 (≤50)	NQ	-
	Naphthalene	0.0046	0.0016	97 (≤50)	NQ	-
	n-Propylbenzene	0.0026	0.0014U	200 (≤50)	NQ	-
	1,2,3-Trichlorobenzene	0.0038	0.0029U	200 (≤50)	NQ	-

SDG	Compound	Concentration (ug/L)		RPD (Limits)	Flag	A or P
		M-270-20190221	M-270-20190221_FD			
440-234338-1	Chloroform	0.93	0.73	24 (≤30)	-	-

SDG	Compound	Concentration (ug/L)		RPD (Limits)	Flag	A or P
		MC-94-20190313	MC-94-20190313-FD			
440-236217-1	Benzene	0.28	0.50U	200 (≤30)	NQ	-
	Chlorobenzene	0.71	0.66	7 (≤30)	-	-
	Chloroform	1.5	1.4	7 (≤30)	-	-
	1,1-Dichloroethane	0.66	0.61	8 (≤30)	-	-
	Tetrachloroethene	0.66	0.87	27 (≤30)	-	-
	Trichloroethene	0.27	0.28	4 (≤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
440-221888-1	RIDB-31-130.0-20181009	1,4-Dichlorobenzene-d4	67209 (359264-89816)	1,1,2,2-Tetrachloroethane 1,2-Dibromo-3-chloropropane Isopropylbenzene 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

SDG	Sample	Internal Standards	Area (Limits)	Affected Compound	Flag	A or P
440-221976-1	RIDB-32-150.0-20181010	1,4-Dichlorobenzene-d4	69328 (480676-120169)	1,1,2,2-Tetrachloroethane 1,2-Dibromo-3-chloropropane Isopropylbenzene 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
440-227911-1	RIDB-36-130-20181214	1,4-Dichlorobenzene-d4	205536 (207791-831162)	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)	P

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 or 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 or 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 or 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 headspace, ICV and continuing calibration %D, surrogate %R, MS/MSD %R and RPD, and internal standards area, data were qualified as estimated in one hundred thirty-four samples.

Due to laboratory 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 RI, Phase 2, March 2018 through March 2019
 Volatiles - Data Qualification Summary - SDGs 440-207465-1, 440-207514-1, 440-208864-1, 440-212325-1, 440-212422-1, 440-220771-1, 440-220843-1, 440-220951-1, 440-221747-1, 440-221888-1, 440-221976-1, 440-222098-1, 440-224426-1, 440-224542-1, 440-224653-1, 440-227549-1, 440-227679-1, 440-227911-1, 440-228226-1, 440-228316-1, 440-233779-1, 440-234338-1, 440-235977-1, 440-236091-1, 440-236214-1, 440-236217-1, 440-236324-1, 440-236394-1**

SDG	Sample	Compound	Flag	A or P	Reason (Code)
440-236217-1	MC-29-20190313-TB	All compounds	UJ (all non-detects)	A	Sample condition (headspace) (vh)
440-207465-1	PCDB-6-5.0-20180328 PCDB-6-10.0-20180328 PCDB-6-20.0-20180328 PCDB-6-30.0-20180328 PCDB-6-40.0-20180328 PCDB-6-50.0-20180328 PCDB-6-60.0-20180328 PCDB-6-70.0-20180328 PCDB-6-70.0-20180328-FD PCDB-6-80.0-20180328 PCDB-6-90.0-20180328	Dichlorodifluoromethane	UJ (all non-detects)	A	Initial calibration verification (%D) (c)
440-207465-1	PCDB-6-30.0-20180328 PCDB-6-40.0-20180328 PCDB-6-50.0-20180328	1,2,4-Trichlorobenzene	J+ (all detects)	A	Initial calibration verification (%D) (c)
440-207465-1	PCDB-6-50.0-20180328	1,2,3-Trichlorobenzene	J+ (all detects)	A	Initial calibration verification (%D) (c)
440-220771-1	RISB-ER-02-1.0-20180924 RISB-ER-02-10.0-20180924 RISB-EJ-02-1.0-20180924 RISB-EJ-02-10.0-20180924	Dichlorodifluoromethane	UJ (all non-detects)	A	Initial calibration verification (%D) (c)
440-220951-1	RISB-EJ-01-1.0-20180926-TB RISB-EJ-01-1.0-20180926 RISB-EJ-01-10.0-20180926	Dichlorodifluoromethane	UJ (all non-detects)	A	Initial calibration verification (%D) (c)
440-221747-1	RIDB-30-50.0-20181008-TB RIDB-30-50.0-20181008** RIDB-30-60.0-20181008** RIDB-30-70.0-20181008** RIDB-30-80.0-20181008** RIDB-30-90.0-20181008** RIDB-30-100.0-20181008** RIDB-30-110.0-20181008** RIDB-30-120.0-20181008**	Dichlorodifluoromethane	UJ (all non-detects)	A	Initial calibration verification (%D) (c)

SDG	Sample	Compound	Flag	A or P	Reason (Code)
440-221888-1	RIDB-30-130.0-20181009-TB RIDB-30-130.0-20181009 RIDB-30-130.0-20181009-FD RIDB-30-140.0-20181009 RIDB-30-150.0-20181009 RIDB-31-50.0-20181009 RIDB-31-60.0-20181009 RIDB-31-70.0-20181009 RIDB-31-80.0-20181009 RIDB-31-90.0-20181009 RIDB-31-100.0-20181009 RIDB-31-110.0-20181009 RIDB-31-120.0-20181009 RIDB-31-130.0-20181009	Dichlorodifluoromethane	UJ (all non-detects)	A	Initial calibration verification (%D) (c)
440-221976-1	RIDB-31-140.0-20181010-TB RIDB-31-140.0-20181010 RIDB-31-140.0-20181010-FD RIDB-31-150.0-20181010	Dichlorodifluoromethane	UJ (all non-detects)	A	Initial calibration verification (%D) (c)
440-227549-1	RIDB-35-20181212-TB RIDB-35-1-20181212** RIDB-35-5-20181212** RIDB-35-10-20181212** RIDB-35-20-20181212** RIDB-35-30-20181212** RIDB-35-40-20181212** RIDB-35-50-20181212** RIDB-35-60-20181212** RIDB-35-70-20181212** RIDB-35-90-20181212** RIDB-35-100-20181212** RIDB-35-100-20181212-FD** RIDB-35-110-20181212** RIDB-35-120-20181212** RIDB-35-130-20181212** RIDB-35-140-20181212** RIDB-35-150-20181212** RIDB-34-5-20181212**	Dichlorodifluoromethane	UJ (all non-detects)	A	Initial calibration verification (%D) (c)
440-227549-1	RIDB-35-80-20181212** RIDB-34-1-20181212**	Dichlorodifluoromethane Chloromethane Vinyl chloride	UJ (all non-detects) UJ (all non-detects) UJ (all non-detects)	A	Initial calibration verification (%D) (c)
440-227679-1	RIDB-34-20181213-TB RIDB-34-10-20181213 RIDB-34-20-20181213 RIDB-34-30-20181213 RIDB-34-40-20181213 RIDB-34-50-20181213 RIDB-34-60-20181213	Dichlorodifluoromethane	UJ (all non-detects)	A	Initial calibration verification (%D) (c)

SDG	Sample	Compound	Flag	A or P	Reason (Code)
440-227679-1	RIDB-34-70-20181213 RIDB-34-70-20181213-FD RIDB-34-80-20181213 RIDB-34-90-20181213 RIDB-34-100-20181213 RIDB-34-110-20181213 RIDB-34-120-20181213 RIDB-34-130-20181213 RIDB-34-140-20181213 RIDB-34-140-20181213-FD RIDB-34-150-20181213 RIDB-36-1-20181213 RIDB-36-5-20181213 RIDB-36-10-20181213 RIDB-36-20-20181213 RIDB-36-30-20181213 RIDB-36-40-20181213 RIDB-36-50-20181213	Dichlorodifluoromethane Chloromethane Vinyl chloride	UJ (all non-detects) UJ (all non-detects) UJ (all non-detects)	A	Initial calibration verification (%D) (c)
440-227679-1	RIDB-34-70-20181213 RIDB-34-70-20181213-FD	Naphthalene	J+ (all detects)	A	Initial calibration verification (%D) (c)
440-227679-1	RIDB-34-70-20181213 RIDB-36-20-20181213	1,2,3-Trichlorobenzene	J+ (all detects)	A	Initial calibration verification (%D) (c)
440-227911-1	RIDB-36-20181214-TB RIDB-36-60-20181214 RIDB-36-70-20181214 RIDB-36-80-20181214 RIDB-36-90-20181214 RIDB-36-100-20181214 RIDB-36-110-20181214 RIDB-36-120-20181214 RIDB-36-120-20181214-FD RIDB-36-130-20181214 RIDB-36-140-20181214 RIDB-36-150-20181214	Dichlorodifluoromethane Chloromethane Vinyl chloride	UJ (all non-detects) UJ (all non-detects) UJ (all non-detects)	A	Initial calibration verification (%D) (c)
440-220771-1	RISB-ER-02-1.0-20180924 RISB-ER-02-10.0-20180924 RISB-EJ-02-1.0-20180924 RISB-EJ-02-10.0-20180924	Acetone Ethyl tert-butyl ether 4-Methyl-2-pentanone 2-Hexanone 1,2-Dibromo-3-chloropropane	UJ (all non-detects) UJ (all non-detects) UJ (all non-detects) UJ (all non-detects) UJ (all non-detects)	A	Continuing calibration (%D) (c)
440-220843-1	RISB-EJ-04-1.0-20180925 RISB-EJ-04-10.0-20180925 RISB-EJ-03-1.0-20180925 RISB-EJ-03-1.0-20180925-FD RISB-EJ-03-10.0-20180925	1,2,3-Trichloropropane	UJ (all non-detects)	A	Continuing calibration (%D) (c)
440-220951-1	RISB-EJ-01-1.0-20180926-TB RISB-EJ-01-1.0-20180926 RISB-EJ-01-10.0-20180926	Chloromethane Isopropyl ether Ethyl tert-butyl ether 4-Methyl-2-pentanone 1,2-Dibromo-3-chloropropane	UJ (all non-detects) UJ (all non-detects) UJ (all non-detects) UJ (all non-detects) UJ (all non-detects)	A	Continuing calibration (%D) (c)

SDG	Sample	Compound	Flag	A or P	Reason (Code)
440-221747-1	RIDB-30-50.0-20181008-TB RIDB-30-50.0-20181008** RIDB-30-60.0-20181008** RIDB-30-70.0-20181008** RIDB-30-80.0-20181008** RIDB-30-90.0-20181008** RIDB-30-100.0-20181008** RIDB-30-110.0-20181008**	Acetone	UJ (all non-detects)	A	Continuing calibration (%D) (c)
440-221747-1	RIDB-30-120.0-20181008**	Acetone 2-Butanone 4-Methyl-2-pentanone 2-Hexanone	UJ (all non-detects) UJ (all non-detects) UJ (all non-detects) UJ (all non-detects)	A	Continuing calibration (%D) (c)
440-221888-1	RIDB-30-130.0-20181009-TB RIDB-30-130.0-20181009 RIDB-30-130.0-20181009-FD RIDB-30-140.0-20181009 RIDB-30-150.0-20181009 RIDB-31-50.0-20181009 RIDB-31-60.0-20181009 RIDB-31-70.0-20181009 RIDB-31-80.0-20181009 RIDB-31-90.0-20181009 RIDB-31-100.0-20181009 RIDB-31-110.0-20181009 RIDB-31-120.0-20181009 RIDB-31-130.0-20181009	Acetone 2-Butanone 4-Methyl-2-pentanone 2-Hexanone	UJ (all non-detects) UJ (all non-detects) UJ (all non-detects) UJ (all non-detects)	A	Continuing calibration (%D) (c)
440-221976-1	RIDB-31-140.0-20181010-TB RIDB-31-140.0-20181010 RIDB-31-140.0-20181010-FD RIDB-31-150.0-20181010	Acetone 2-Butanone 4-Methyl-2-pentanone 2-Hexanone	UJ (all non-detects) UJ (all non-detects) UJ (all non-detects) UJ (all non-detects)	A	Continuing calibration (%D) (c)
440-221976-1	RIDB-32-50.0-20181010 RIDB-32-60.0-20181010 RIDB-32-70.0-20181010 RIDB-32-80.0-20181010 RIDB-32-80.0-20181010-FD RIDB-32-90.0-20181010 RIDB-32-100.0-20181010 RIDB-32-110.0-20181010 RIDB-32-120.0-20181010	1,1,2,2-Tetrachloroethane n-Propylbenzene	UJ (all non-detects) UJ (all non-detects)	A	Continuing calibration (%D) (c)
440-221976-1	RIDB-32-130.0-20181010 RIDB-32-140.0-20181010 RIDB-32-150.0-20181010	Chloroethane 1,1,2,2-Tetrachloroethane n-Propylbenzene	UJ (all non-detects) UJ (all non-detects) UJ (all non-detects)	A	Continuing calibration (%D) (c)
440-222098-1	RIDB-33-50.0-20181011	Carbon tetrachloride	J+ (all detects)	A	Continuing calibration (%D) (c)
440-222098-1	RIDB-33-50.0-20181011-TB RIDB-33-50.0-20181011 RIDB-33-60.0-20181011 RIDB-33-70.0-20181011 RIDB-33-80.0-20181011 RIDB-33-90.0-20181011	1,1,2,2-Tetrachloroethane n-Propylbenzene	UJ (all non-detects) UJ (all non-detects)	A	Continuing calibration (%D) (c)

SDG	Sample	Compound	Flag	A or P	Reason (Code)
440-221976-1	RIDB-32-150.0-20181010	1,1,2,2-Tetrachloroethane 1,2-Dibromo-3-chloropropane Isopropylbenzene 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 standards (area) (i)
440-227911-1	RIDB-36-130-20181214	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)	P	Internal standards (area) (i)

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Volatiles - Laboratory Blank Data Qualification Summary - SDGs 440-207465-1, 440-207514-1, 440-208864-1, 440-212325-1, 440-212422-1, 440-220771-1, 440-220843-1, 440-220951-1, 440-221747-1, 440-221888-1, 440-221976-1, 440-222098-1, 440-224426-1, 440-224542-1, 440-224653-1, 440-227549-1, 440-227679-1, 440-227911-1, 440-228226-1, 440-228316-1, 440-233779-1, 440-234338-1, 440-235977-1, 440-236091-1, 440-236214-1, 440-236217-1, 440-236324-1, 440-236394-1

SDG	Sample	Compound	Modified Final Concentration	A or P	Code
440-220771-1	RISB-ER-02-1.0-20180924-TB*	Methylene chloride	1.8J ug/L	A	bl

NERT RI, Phase 2, March 2018 through March 2019

Volatiles - Field Blank Data Qualification Summary – SDGs 440-207465-1, 440-207514-1, 440-208864-1, 440-212325-1, 440-212422-1, 440-220771-1, 440-220843-1, 440-220951-1, 440-221747-1, 440-221888-1, 440-221976-1, 440-222098-1, 440-224426-1, 440-224542-1, 440-224653-1, 440-227549-1, 440-227679-1, 440-227911-1, 440-228226-1, 440-228316-1, 440-233779-1, 440-234338-1, 440-235977-1, 440-236091-1, 440-236214-1, 440-236217-1, 440-236324-1, 440-236394-1

No Sample Data Qualified in these SDGs

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.

All technical holding time requirements were met.

II. GC/MS Instrument Performance Check

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

III. Initial Calibration and Initial Calibration Verification

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

IV. Continuing Calibration

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

V. Laboratory Blanks

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

VI. Field Blanks

Samples PC-170R-20180329-TB (from SDG 440-207514-1), M-227R-20180413-TB (from SDG 440-208864-1), TB-20181115 (from SDG 440-224542-1) and TB-20181116 (from SDG 440-224653-1), 20190215-TB (from SDG 440-233779-1), M-270-20190221_TB and M-271-20190221_TB (both from SDG 440-234338-1), M-270-20190312-TB (from SDG 440-236091), M-260-20190313-TB (from SDG 440-236214-1), MC-29-20190313-TB (from SDG 440-236217-1), and M-262-20190314-TB (from SDG 440-236324-1) were identified as trip blanks. No contaminants were found.

Samples M-224R-20180413-EB (from SDG 440-208864-1), EB-20181116 (from SDG 440-224653-1), and M-271-20190221_EB (from SDG 440-234338-1) were identified as equipment blanks. No contaminants were found.

VII. Surrogates

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

VIII. Matrix Spike/Matrix Spike Duplicates

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

SDG	Spike ID (Associated Samples)	Compound	MS (%R) (Limits)	MSD (%R) (Limits)	Flag	A or P
440-233779-1	M-269-20190215MS/MSD (M-269-20190215)	1,2,3-Trichloropropane	-	53 (55-135)	J- (all detects)	A

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 with the following exceptions:

SDG	LCS ID (Associated Samples)	Compound	LCS %R (Limits)	LCSD %R (Limits)	Flag	A or P
440-224542-1	LCS 440-512548/3 (PC-157A-20181115 PC-157B-20181115 PC-155B-20181115 TB-20181115)	1,2,3-Trichloropropane	131 (60-130)	-	NA	-

Relative percent differences (RPD) were within QC limits.

X. Field Duplicates

Samples PC-155A-20181115 and PC-155A-20181115-FD (from SDG 440-224542-1), samples M-270-20190221 and M-270-20190221_FD (both from SDG 440-234338-1), samples MC-94-20190313 and MC-94-20190313-FD (both from SDG 440-236217-1), and samples M-262-20190314 and M-262-20190314-FD (both from SDG 440-236324-1) were identified as field duplicates. No results were detected in any of the samples with the following exceptions:

SDG	Analyte	Concentration (ug/L)		RPD (Limits)	Flag	A or P
		MC-94-20190313	MC-94-20190313-FD			
440-236217-1	1,4-Dioxane	2.6	2.6	0 (≤30)	-	-
	1,2,3-Trichloropropane	0.0037	0.0041	10 (≤30)	-	-

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 MS/MSD %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 RI, Phase 2, March 2018 through March 2019

1,2,3-Trichloropropane & 1,4-Dioxane - Data Qualification Summary - SDGs 440-207514-1, 440-208864-1, 440-224426-1, 440-224542-1, 440-224653-1, 440-233779-1, 440-234338-1, 440-235977-1, 440-236091-1, 440-236214-1, 440-236217-1, 440-236324-1, 440-236934-1

SDG	Sample	Compound	Flag	A or P	Reason (Code)
440-233779-1	M-269-20190215	1,2,3-Trichloropropane	J- (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)

NERT RI, Phase 2, March 2018 through March 2019

1,2,3-Trichloropropane & 1,4-Dioxane - Laboratory Blank Data Qualification Summary - SDGs 440-207514-1, 440-208864-1, 440-224426-1, 440-224542-1, 440-224653-1, 440-233779-1, 440-234338-1, 440-235977-1, 440-236091-1, 440-236214-1, 440-236217-1, 440-236324-1, 440-236934-1

No Sample Data Qualified in these SDGs

NERT RI, Phase 2, March 2018 through March 2019

1,2,3-Trichloropropane & 1,4-Dioxane - Field Blank Data Qualification Summary - SDGs 440-207514-1, 440-208864-1, 440-224426-1, 440-224542-1, 440-224653-1, 440-233779-1, 440-234338-1, 440-235977-1, 440-236091-1, 440-236214-1, 440-236217-1, 440-236324-1, 440-236934-1

No Sample Data Qualified in these SDGs

ATTACHMENT C
VOC (EPA METHOD TO-15) DVR

Volatile Organic Compounds (VOCs) by Environmental Protection Agency (EPA) Method TO-15

I. Sample Receipt and Technical Holding Times

All samples were received in good condition.

All technical holding time requirements were met.

II. GC/MS Instrument Performance Check

Instrument performance was checked at 24 hour intervals.

All ion abundance requirements were met.

III. Initial Calibration and Initial Calibration Verification

Initial calibration was performed using required standard concentrations.

For compounds where average relative response factors (RRFs) were utilized, percent relative standard deviations (%RSD) were less than or equal to 30.0% for all compounds.

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 30.0% for all compounds with the following exceptions:

SDG	Date	Compound	%D	Associated Samples	Flag	A or P
320-48165-1	03/13/19 (00:38)	Hexachlorobutadiene	31.9	All samples in SDG 320-48165-1	NA	-
320-48223-1	03/13/19 (00:38)	Hexachlorobutadiene	31.9	RISG-25-15.0-20190308 RISG-25-5.0-20190308 RISG-23-5.0-20190308 RISG-23-15.0-20190308 RISG-28-5.0-20190308** RISG-28-15.0-20190308	NA	-
320-48248-1	03/13/19 (00:38)	Hexachlorobutadiene	31.9	All samples in SDG 320-48248-1	NA	-
320-48313-1	03/13/19 (00:38)	Hexachlorobutadiene	31.9	All samples in SDG 320-48313-1	NA	-

IV. Continuing Calibration

Continuing calibration was performed at the required frequencies.

Percent differences (%D) were less than or equal to 30.0% for all compounds with the following exceptions:

SDG	Date	Compound	%D	Associated Samples	Flag	A or P
320-48223-1	03/28/19 (13:56)	Hexachlorobutadiene	30.6	RISG-10-15.0-20190308** RISG-10-5.0-20190308	NA	-
320-48313-1	03/27/19 (10:54)	Bromoform	30.2	All samples in SDG 320-48313-1	NA	-
320-48372-1	03/28/19 (13:56)	Hexachlorobutadiene	30.6	All samples in SDG 320-48372-1	NA	-
320-48412-1	03/29/19 (16:20)	Vinyl acetate	35.1	All samples in SDG 320-48412-1	NA	-
320-48412-1	03/29/19 (16:20)	2-Butanone	31.7	RISG-3-15.0-20190315 RISG-30-5.0-20190315	J+ (all detects)	P
320-48412-1	03/29/19 (16:20)	2-Butanone	31.7	RISG-3-5.0-20190315 RISG-27-5.0-20190315 RISG-30-10.0-20190315**	NA	-

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
320-48248-1	MB 320-283874	03/25/19	m,p-Xylene 1,2,4-Trichlorobenzene	2.69 ug/m ³ 36.5 ug/m ³	RISG-21-15.0-20190311 RISG-21-5.0-20190311 RISG-29-15.0-20190311** RISG-15-5.0-20190311 RISG-29-5.0-20190311 RISG-1-15.0-20190311 RISG-1-5.0-20190311
320-48313-1	MB 320-284278	03/27/19	m,p-Xylene o-Xylene	2.19 ug/m ³ 1.19 ug/m ³	All samples in SDG 320-48313-1
320-48642-1	MB 320-285654	04/02/19	Dichlorodifluoromethane 1,1-Dichloroethene 1,2-Dichloro-1,1,2,2-tetrafluoroethane Methylene chloride Vinyl chloride	5.61 ug/m ³ 1.82 ug/m ³ 5.97 ug/m ³ 1.84 ug/m ³ 2.11 ug/m ³	All samples in SDG 320-48642-1

All canisters were cleaned as required by the method. The laboratory indicated that canister certification was performed by batch. No contaminants were found in the representative canister blank.

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
320-48248-1	RISG-21-15.0-20190311 (1.92X)	m,p-Xylene	4.6 ug/m ³	4.6J ug/m ³
320-48248-1	RISG-1-15.0-20190311 (4.7X)	m,p-Xylene	18 ug/m ³	18J ug/m ³
320-48313-1	RISG-34-5.0-20190313	m,p-Xylene o-Xylene	3.6 ug/m ³ 1.5 ug/m ³	3.6J ug/m ³ 1.5J ug/m ³
320-48313-1	RISG-33-5.0-20190313-FD	m,p-Xylene o-Xylene	3.3 ug/m ³ 1.8 ug/m ³	3.3J ug/m ³ 1.8J ug/m ³
320-48313-1	RISG-4-5.0-20190311	m,p-Xylene o-Xylene	2.6 ug/m ³ 1.3 ug/m ³	2.6J ug/m ³ 1.3J ug/m ³
320-48642-1	RISG-8-5.0-20190321	Dichlorodifluoromethane 1,1-Dichloroethene Methylene chloride Vinyl chloride	6.6 ug/m ³ 1.9 ug/m ³ 2.0 ug/m ³ 1.6 ug/m ³	6.6J ug/m ³ 1.9J ug/m ³ 2.0J ug/m ³ 1.6J ug/m ³
320-48642-1	RISG-6-15.0-20190322 (14.6X)	Methylene chloride	23 ug/m ³	23J ug/m ³
320-48642-1	RISG-6-15.0-20190322-FD** (15.1X)	Methylene chloride	23 ug/m ³	23J ug/m ³
320-48642-1	RISG-6-5.0-20190322 (11.9X)	Methylene chloride	16 ug/m ³	16J ug/m ³
320-48642-1	RISG-13-5.0-20190322 (4.14X)	Methylene chloride	6.6 ug/m ³	6.6J ug/m ³
320-48642-1	RISG-13-15.0-20190322 (12.7X)	Methylene chloride	19 ug/m ³	19J ug/m ³
320-48642-1	RISG-22-5.0-20190322 (4.92X)	Methylene chloride	6.4 ug/m ³	6.4J ug/m ³
320-48642-1	RISG-22-15.0-20190322** (13.8X)	1,1-Dichloroethene	37 ug/m ³	37J ug/m ³

For the samples listed above, qualifiers due to blank contamination will also be applied to the associated results reported in ppb v/v.

VI. Field Blanks

No field blanks were identified in these SDGs.

VII. Surrogates

Although surrogates were not required by the method, surrogate analysis was performed by the laboratory. Surrogate recoveries (%R) were within QC limits with the following exceptions:

SDG	Sample	Surrogate	%R (Limits)	Affected Compound	Flag	A or P
320-48165-1	RISG-12-5.0-20190307	Bromofluorobenzene	69 (70-130)	All compounds	J- (all detects) UJ (all non-detects)	P
320-48165-1	RISG-12-15.0-20190307	Bromofluorobenzene	68 (70-130)	Chloroform	J- (all detects)	A
320-48223-1	RISG-23-15.0-20190308	Bromofluorobenzene	64 (70-130)	All compounds	J- (all detects) UJ (all non-detects)	P
320-48248-1	RISG-15-15.0-20190311	Bromofluorobenzene	61 (70-130)	All compounds	J- (all detects) UJ (all non-detects)	A
320-48248-1	RISG-14-15.0-20190311	Bromofluorobenzene	62 (70-130)	All compounds	J- (all detects) UJ (all non-detects)	A
320-48248-1	RISG-14-15.0-20190311-FD	Bromofluorobenzene	59 (70-130)	All compounds	J- (all detects) UJ (all non-detects)	A
320-48248-1	RISG-14-5.0-20190311	Bromofluorobenzene	65 (70-130)	All compounds	J- (all detects) UJ (all non-detects)	A

VIII. Duplicates

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. 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	LCS %R (Limits)	LCSD %R (Limits)	Flag	A or P
320-48223-1	LCS/D 320-284686 (RISG-10-15.0-20190308** RISG-10-5.0-20190308)	Benzyl chloride	125 (58-120)	127 (58-120)	NA	-
320-48372-1	LCS/D 320-284686 (All samples in SDG 320-48372-1)	Benzyl chloride	125 (58-120)	127 (58-120)	NA	-
320-48412-1	LCS/D 320-284864 (All samples in SDG 320-48412-1)	Benzyl chloride	124 (58-120)	125 (58-120)	NA	-

Relative percent differences (RPD) were within QC limits.

X. Field Duplicates

Samples RISG-26-15.0-20190307 and RISG-26-15.0-20190307_FD (both from SDG 320-48165-1), samples RISG-14-15.0-20190311 and RISG-14-15.0-20190311-FD (both from SDG 320-48248-1), samples RISG-33-5.0-20190313 and RISG-33-5.0-20190313-FD (both from SDG 320-48313-1), samples RISG-5-5.0-20190313 and RISG-5-5.0-20190313-FD (both from SDG 320-48313-1), samples RISG-9-5.0-20190314 and RISG-9-5.0-20190314-FD (both from SDG 320-48372-1), samples RISG-20-15.0-20190314-FD and RISG-20-15.0-20190314 (both from SDG 320-48372-1), and samples RISG-6-15.0-20190322 and RISG-6-15.0-20190322-FD** (from both SDG 320-48642-1) were identified as field duplicates. No results were detected in any of the samples with the following exceptions:

SDG	Compound	Concentration (ug/m ³)		RPD (Limits)	Flag	A or P
		RISG-26-15.0-20190307	RISG-26-15.0-20190307_FD			
320-48165-1	Acetone	170	97	55 (≤50)	NQ	-
	Carbon tetrachloride	2600	2600	0 (≤50)	-	-
	Chlorobenzene	470	530	12 (≤50)	-	-
	Chloroform	20000	20000	0 (≤50)	-	-
	Tetrachloroethene	61	62	2 (≤50)	-	-
	Carbon disulfide	140U	32	200 (≤50)	NQ	-
	1,2-Dichlorobenzene	140U	57	200 (≤50)	NQ	-

SDG	Compound	Concentration (ug/m ³)		RPD (Limits)	Flag	A or P
		RISG-14-15.0-20190311	RISG-14-15.0-20190311-FD			
320-48248-1	Acetone	260	270	4 (≤50)	-	-
	Chloroform	56000	60000	7 (≤50)	-	-
	Tetrachloroethene	290	280	4 (≤50)	-	-
	Carbon disulfide	600U	71	200 (≤50)	NQ	-

SDG	Compound	Concentration (ug/m ³)		RPD (Limits)	Flag	A or P
		RISG-33-5.0-20190313	RISG-33-5.0-20190313-FD			
320-48313-1	Acetone	16	8.7	59 (≤50)	NQ	-
	Carbon disulfide	11	5.9	60 (≤50)	NQ	-
	Chloroethane	57	56	2 (≤50)	-	-
	Chloroform	980	1000	2 (≤50)	-	-
	Dichlorodifluoromethane	4.1	4.2	2 (≤50)	-	-
	1,1-Dichloroethane	150	160	6 (≤50)	-	-
	1,2-Dichloroethane	17	17	0 (≤50)	-	-
	1,1-Dichloroethene	1.8	1.7	6 (≤50)	-	-
	Methylene chloride	8.3	7.7	8 (≤50)	-	-
	Tetrachloroethene	170	200	16 (≤50)	-	-
	1,1,2-Trichloroethane	3.3	3.5	6 (≤50)	-	-
	Trichloroethene	65	71	9 (≤50)	-	-
	1,2-Dichlorobenzene	12U	4.8	200 (≤50)	NQ	-
	1,3-Dichlorobenzene	12U	8.1	200 (≤50)	NQ	-
	Toluene	7.5U	1.1	200 (≤50)	NQ	-
m,p-Xylene	17U	3.3	200 (≤50)	NQ	-	

SDG	Compound	Concentration (ug/m ³)		RPD (Limits)	Flag	A or P
		RISG-33-5.0-20190313	RISG-33-5.0-20190313-FD			
320-48313-1	o-Xylene	8.7U	1.8	200 (≤50)	NQ	-

SDG	Compound	Concentration (ug/m ³)		RPD (Limits)	Flag	A or P
		RISG-5-5.0-20190313	RISG-5-5.0-20190313-FD			
320-48313-1	Acetone	15	18	18 (≤50)	-	-
	Benzene	1.8	1.5	18 (≤50)	-	-
	2-Butanone	5.1	4.1	22 (≤50)	-	-
	Carbon disulfide	22	22	0 (≤50)	-	-
	Carbon tetrachloride	2.1	2.7	25 (≤50)	-	-
	Chloroform	250	270	8 (≤50)	-	-
	Dichlorodifluoromethane	3.9	3.6	8 (≤50)	-	-
	Ethylbenzene	4.4	5.7	26 (≤50)	-	-
	Methylene chloride	1.5	6.9U	200 (≤50)	NQ	-
	Tetrachloroethene	120	140	15 (≤50)	-	-
	Toluene	14	11	24 (≤50)	-	-
	Trichloroethene	9.7	11	13 (≤50)	-	-
	m,p-Xylene	19	19	0 (≤50)	-	-
	o-Xylene	8.1	8.6	6 (≤50)	-	-
	Benzyl chloride	21U	10	200 (≤50)	NQ	-
	Bromoform	21U	4.5	200 (≤50)	NQ	-
	Chlorobenzene	6.9U	5.5	200 (≤50)	NQ	-
1,2-Dichlorobenzene	12U	7.3	200 (≤50)	NQ	-	
1,3-Dichlorobenzene	12U	7.8	200 (≤50)	NQ	-	

SDG	Compound	Concentration (ug/m ³)		RPD (Limits)	Flag	A or P
		RISG-5-5.0-20190313	RISG-5-5.0-20190313-FD			
320-48313-1	1,4-Dichlorobenzene	12U	6.7	200 (≤50)	NQ	-
	1,1-Dichloroethene	16U	1.5	200 (≤50)	NQ	-
	2-Hexanone	8.2U	2.6	200 (≤50)	NQ	-
	Styrene	8.5U	6.1	200 (≤50)	NQ	-
	1,1,2,2-Tetrachloroethane	14U	5.6	200 (≤50)	NQ	-
	1,2,4-Trimethylbenzene	20U	5.5	200 (≤50)	NQ	-
	1,3,5-Trimethylbenzene	9.8U	5.9	200 (≤50)	NQ	-

SDG	Compound	Concentration (ug/m ³)		RPD (Limits)	Flag	A or P
		RISG-9-5.0-20190314	RISG-9-5.0-20190314-FD			
320-48372-1	Acetone	15	19	24 (≤50)	-	-
	2-Butanone	3.3	3.8	14 (≤50)	-	-
	Carbon disulfide	26	11	81 (≤50)	NQ	-
	Chloroethane	17	17	0 (≤50)	-	-
	Chloroform	34	35	3 (≤50)	-	-
	Dichlorodifluoromethane	3.9	4.1	5 (≤50)	-	-
	1,1-Dichloroethane	11	11	0 (≤50)	-	-
	Methylene chloride	3.9	4.0	3 (≤50)	-	-
	Tetrachloroethene	12	11	9 (≤50)	-	-
	Toluene	2.4	1.8	29 (≤50)	-	-
	Trichloroethene	9.3	9.7	4 (≤50)	-	-
	m,p-Xylene	3.8	2.2	53 (≤50)	NQ	-
o-Xylene	1.8	8.7U	200 (≤50)	NQ	-	

SDG	Compound	Concentration (ug/m ³)		RPD (Limits)	Flag	A or P
		RISG-20-15.0-20190314-FD	RISG-20-15.0-20190314			
320-48372-1	Acetone	15	18	18 (≤50)	-	-
	Chloroform	5900	5200	13 (≤50)	-	-
	Tetrachloroethene	90	91	1 (≤50)	-	-
	Trichloroethene	100	95	5 (≤50)	-	-
	Methylene chloride	35U	13	200 (≤50)	NQ	-
	Toluene	38U	4.4	200 (≤50)	NQ	-

SDG	Compound	Concentration (ug/m ³)		RPD (Limits)	Flag	A or P
		RISG-6-15.0-20190322	RISG-6-15.0-20190322-FD**			
320-48642-1	Carbon tetrachloride	410	440	7 (≤50)	-	-
	Chloroform	13000	15000	14 (≤50)	-	-
	1,1-Dichloroethane	22	22	0 (≤50)	-	-
	1,1-Dichloroethene	140	150	7 (≤50)	-	-
	Methylene chloride	23	23	0 (≤50)	-	-
	Tetrachloroethene	410	480	16 (≤50)	-	-
	Trichloroethene	44	52	17 (≤50)	-	-

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

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 continuing calibration %D and surrogate %R, data were qualified as estimated in nine samples.

Due to laboratory blank contamination, data were qualified as estimated in thirteen 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 RI, Phase 2, March 2018 through March 2019
Volatiles - Data Qualification Summary - SDGs 320-48165-1, 320-48223-1, 320-48248-1, 320-48313-1, 320-48372-1, 320-48412-1, 320-48642-1**

SDG	Sample	Compound	Flag	A or P	Reason (Code)
320-48412-1	RISG-3-15.0-20190315 RISG-30-5.0-20190315	2-Butanone	J+ (all detects)	P	Continuing calibration (%D) (c)
320-48165-1	RISG-12-5.0-20190307	All compounds	J- (all detects) UJ (all non-detects)	P	Surrogates (%R) (s)
320-48165-1	RISG-12-15.0-20190307	Chloroform	J- (all detects)	A	Surrogates (%R) (s)
320-48223-1	RISG-23-15.0-20190308	All compounds	J- (all detects) UJ (all non-detects)	P	Surrogates (%R) (s)
320-48248-1	RISG-15-15.0-20190311 RISG-14-15.0-20190311 RISG-14-15.0-20190311-FD RISG-14-5.0-20190311	All compounds	J- (all detects) UJ (all non-detects)	A	Surrogates (%R) (s)

**NERT RI, Phase 2, March 2018 through March 2019
Volatiles - Laboratory Blank Data Qualification Summary - SDGs 320-48165-1, 320-48223-1, 320-48248-1, 320-48313-1, 320-48372-1, 320-48412-1, 320-48642-1**

SDG	Sample	Compound	Modified Final Concentration	A or P	Code
320-48248-1	RISG-21-15.0-20190311 (1.92X)	m,p-Xylene	4.6J ug/m ³	A	bl
320-48248-1	RISG-1-15.0-20190311 (4.7X)	m,p-Xylene	18J ug/m ³	A	bl
320-48313-1	RISG-34-5.0-20190313	m,p-Xylene o-Xylene	3.6J ug/m ³ 1.5J ug/m ³	A	bl
320-48313-1	RISG-33-5.0-20190313-FD	m,p-Xylene o-Xylene	3.3J ug/m ³ 1.8J ug/m ³	A	bl
320-48313-1	RISG-4-5.0-20190311	m,p-Xylene o-Xylene	2.6J ug/m ³ 1.3J ug/m ³	A	bl
320-48642-1	RISG-8-5.0-20190321	Dichlorodifluoromethane 1,1-Dichloroethene Methylene chloride Vinyl chloride	6.6J ug/m ³ 1.9J ug/m ³ 2.0J ug/m ³ 1.6J ug/m ³	A	bl
320-48642-1	RISG-6-15.0-20190322 (14.6X)	Methylene chloride	23J ug/m ³	A	bl
320-48642-1	RISG-6-15.0-20190322-FD** (15.1X)	Methylene chloride	23J ug/m ³	A	bl

SDG	Sample	Compound	Modified Final Concentration	A or P	Code
320-48642-1	RISG-6-5.0-20190322 (11.9X)	Methylene chloride	16J ug/m ³	A	bl
320-48642-1	RISG-13-5.0-20190322 (4.14X)	Methylene chloride	6.6J ug/m ³	A	bl
320-48642-1	RISG-13-15.0-20190322 (12.7X)	Methylene chloride	19J ug/m ³	A	bl
320-48642-1	RISG-22-5.0-20190322 (4.92X)	Methylene chloride	6.4J ug/m ³	A	bl
320-48642-1	RISG-22-15.0-20190322** (13.8X)	1,1-Dichloroethene	37J ug/m ³	A	bl

**NERT RI, Phase 2, March 2018 through March 2019
Volatiles - Field Blank Data Qualification Summary - SDGs 320-48165-1, 320-48223-1, 320-48248-1, 320-48313-1, 320-48372-1, 320-48412-1, 320-48642-1**

No Sample Data Qualified in these SDGs

ATTACHMENT D
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.

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
440-220771-1	08/30/18 (D18083014)	Benzidine	37.4	RISB-EJ-02-1.0-20180924	NA	-
440-220771-1	07/11/18 (C0711010)	4-Chloroaniline 3-Nitroaniline	24.3 21.4	RISB-ER-02-1.0-20180924 RISB-ER-02-10.0-20180924 RISB-EJ-02-10.0-20180924	UJ (all non-detects) UJ (all non-detects)	A
440-220843-1	08/30/18 (D18083014)	Benzidine	37.4	RISB-EJ-04-10.0-20180925 RISB-EJ-03-1.0-20180925 RISB-EJ-03-1.0-20180925-FD RISB-EJ-03-10.0-20180925 RISB-ER-03-1.0-20180925 RISB-ER-03-10.0-20180925 RISB-ER-01-1.0-20180925	NA	-

SDG	Date	Compound	%D	Associated Samples	Flag	A or P
440-220843-1	07/11/18 (C0711010)	4-Chloroaniline 3-Nitroaniline	24.3 21.4	RISB-EJ-04-1.0-20180925	UJ (all non-detects) UJ (all non-detects)	A
440-220843-1	07/11/18 (C0711010)	Benzidine	63.7	RISB-EJ-04-1.0-20180925	NA	-
440-220951-1	07/11/18 (C0711010)	4-Chloroaniline 3-Nitroaniline	24.3 21.4	All samples in SDG 440-220951-1	UJ (all non-detects) UJ (all non-detects)	A
440-227549-1	10/25/18 (C102514)	4-Chloroaniline	32.1	RIDB-35-5-20181212 RIDB-35-10-20181212 RIDB-35-20-20181212 RIDB-35-30-20181212 RIDB-34-1-20181212 RIDB-34-5-20181212	UJ (all non-detects)	A
440-227549-1	10/27/18 (18102710)	4-Chloroaniline 3-Nitroaniline Benzidine	27.9 21.4 40.3	RIDB-35-1-20181212	UJ (all non-detects) UJ (all non-detects) UJ (all non-detects)	A
440-227679-1	10/25/18 (C102514)	4-Chloroaniline	32.1	All samples in SDG 440-227679-1	UJ (all non-detects)	A

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
440-220771-1	10/04/18 (D100402)	N-Nitroso-di-n-propylamine	23.7	RISB-EJ-02-1.0-20180924	UJ (all non-detects)	A
440-220771-1	10/03/18 (18100302)	2,4,5-Trichlorophenol	68.5	RISB-ER-02-1.0-20180924 RISB-ER-02-10.0-20180924 RISB-EJ-02-10.0-20180924	NA	-
440-220771-1	10/03/18 (18100303)	Benzyl alcohol	49.0	RISB-ER-02-1.0-20180924 RISB-ER-02-10.0-20180924 RISB-EJ-02-10.0-20180924	UJ (all non-detects)	A
440-220843-1	10/04/18 (D100402)	N-Nitroso-di-n-propylamine	23.7	RISB-EJ-04-10.0-20180925 RISB-EJ-03-1.0-20180925 RISB-EJ-03-1.0-20180925-FD RISB-EJ-03-10.0-20180925 RISB-ER-03-1.0-20180925 RISB-ER-03-10.0-20180925 RISB-ER-01-1.0-20180925	UJ (all non-detects)	A

SDG	Date	Compound	%D	Associated Samples	Flag	A or P
440-220843-1	10/02/18 (18100203)	Benzyl alcohol	41.9	RISB-EJ-04-1.0-20180925	UJ (all non-detects)	A
440-220843-1	10/02/18 (18100202)	Benzoic acid	20.1	RISB-EJ-04-1.0-20180925	UJ (all non-detects)	A
440-220951-1	10/04/18 (18100402)	2,4,5-Trichlorophenol Benzidine	77.5 42.9	All samples in SDG 440-220951-1	NA	-
440-220951-1	10/04/18 (18100403)	Benzyl alcohol	63.7	All samples in SDG 440-220951-1	UJ (all non-detects)	A
440-227549-1	12/18/18 (C18121803)	3-Nitroaniline Benzidine Pyridine Aniline 2-Nitroaniline	21.2 27.4 30.6 25.7 36.7	RIDB-35-5-20181212 RIDB-35-10-20181212 RIDB-35-20-20181212 RIDB-35-30-20181212 RIDB-34-1-20181212 RIDB-34-5-20181212	NA	-
440-227549-1	12/18/18 (18121802)	Benzoic acid	24.8	RIDB-35-1-20181212	NA	-
440-227679-1	12/18/18 (C18121803)	3-Nitroaniline Benzidine Pyridine Aniline 2-Nitroaniline	21.2 27.4 30.6 25.7 36.7	All samples in SDG 440-227679-1	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
440-220843-1	RISB-EJ-04-1.0-20180925MS/MSD (RISB-EJ-04-1.0-20180925)	Aniline Pyridine	19 (25-120) 23 (25-130)	- -	UJ (all non-detects) UJ (all non-detects)	A
440-220843-1	RISB-EJ-04-1.0-20180925MS/MSD (RISB-EJ-04-1.0-20180925)	Benzidine	0 (20-120)	0 (20-120)	R (all non-detects)	A
440-227549-1	RIDB-35-1-20181212MS/MSD (RIDB-35-1-20181212**)	Benzidine	7 (20-120)	9 (20-120)	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
440-220843-1	RISB-EJ-04-1.0-20180925MS/MSD (RISB-EJ-04-1.0-20180925)	Aniline Benzoic acid Pyridine	81 (≤ 30) 47 (≤ 30) 51 (≤ 30)	NA	-

IX. Laboratory Control Samples

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

SDG	LCS ID	Compound	%R (Limits)	Associated Samples	Flag	A or P
440-220771-1	LCS 440-502123/2-A	Aniline Benzidine	0 (23-105) 0 (5-61)	All samples in SDG 440-220771-1	R (all non-detects) R (all non-detects)	P
440-220771-1	LCS 440-502123/2-A	Pyridine	15 (21-76)	All samples in SDG 440-220771-1	UJ (all non-detects)	P
440-220771-1	LCS 440-502123/2-A	2,4,5-Trichlorophenol	127 (51-125)	All samples in SDG 440-220771-1	NA	-
440-220843-1	LCS 440-502123/2-A	Aniline Benzidine	0 (23-105) 0 (5-61)	All samples in SDG 440-220843-1	R (all non-detects) R (all non-detects)	P
440-220843-1	LCS 440-502123/2-A	Pyridine	15 (21-76)	All samples in SDG 440-220843-1	UJ (all non-detects)	P
440-220843-1	LCS 440-502123/2-A	2,4,5-Trichlorophenol	127 (51-125)	All samples in SDG 440-220843-1	NA	-

X. Field Duplicates

Samples RISB-EJ-03-1.0-20180925 and RISB-EJ-03-1.0-20180925-FD (both from SDG 440-220843-1) were identified as field duplicates. No results were detected in any of the samples.

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 and LCS %R, data were rejected in thirteen samples.

Due to ICV and continuing calibration %D, MS/MSD %R, and LCS %R, 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 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 RI, Phase 2, March 2018 through March 2019
Semivolatiles - Data Qualification Summary - SDGs 440-220771-1, 440-220843-1,
440-220951-1, 440-227549-1, 440-227679-1

SDG	Sample	Compound	Flag	A or P	Reason (Code)
440-220771-1	RISB-ER-02-1.0-20180924 RISB-ER-02-10.0-20180924 RISB-EJ-02-10.0-20180924	4-Chloroaniline 3-Nitroaniline	UJ (all non-detects) UJ (all non-detects)	A	Initial calibration verification (%D) (c)
440-220843-1	RISB-EJ-04-1.0-20180925	4-Chloroaniline 3-Nitroaniline	UJ (all non-detects) UJ (all non-detects)	A	Initial calibration verification (%D) (c)
440-220951-1	RISB-EJ-01-1.0-20180926 RISB-EJ-01-10.0-20180926	4-Chloroaniline 3-Nitroaniline	UJ (all non-detects) UJ (all non-detects)	A	Initial calibration verification (%D) (c)
440-227549-1	RIDB-35-5-20181212** RIDB-35-10-20181212** RIDB-35-20-20181212** RIDB-35-30-20181212** RIDB-34-1-20181212** RIDB-34-5-20181212**	4-Chloroaniline	UJ (all non-detects)	A	Initial calibration verification (%D) (c)
440-227549-1	RIDB-35-1-20181212**	4-Chloroaniline 3-Nitroaniline Benzidine	UJ (all non-detects) UJ (all non-detects) UJ (all non-detects)	A	Initial calibration verification (%D) (c)
440-227679-1	RIDB-34-10-20181213 RIDB-34-20-20181213 RIDB-34-30-20181213 RIDB-36-1-20181213 RIDB-36-5-20181213 RIDB-36-10-20181213 RIDB-36-20-20181213 RIDB-36-30-20181213	4-Chloroaniline	UJ (all non-detects)	A	Initial calibration verification (%D) (c)
440-220771-1	RISB-EJ-02-1.0-20180924	N-Nitroso-di-n-propylamine	UJ (all non-detects)	A	Continuing calibration (%D) (c)
440-220771-1	RISB-ER-02-1.0-20180924 RISB-ER-02-10.0-20180924 RISB-EJ-02-10.0-20180924	Benzyl alcohol	UJ (all non-detects)	A	Continuing calibration (%D) (c)
440-220843-1	RISB-EJ-04-10.0-20180925 RISB-EJ-03-1.0-20180925 RISB-EJ-03-1.0-20180925-FD RISB-EJ-03-10.0-20180925 RISB-ER-03-1.0-20180925 RISB-ER-03-10.0-20180925 RISB-ER-01-1.0-20180925	N-Nitroso-di-n-propylamine	UJ (all non-detects)	A	Continuing calibration (%D) (c)
440-220843-1	RISB-EJ-04-1.0-20180925	Benzyl alcohol Benzoic acid	UJ (all non-detects) UJ (all non-detects)	A	Continuing calibration (%D) (c)
440-220951-1	RISB-EJ-01-1.0-20180926 RISB-EJ-01-10.0-20180926	Benzyl alcohol	UJ (all non-detects)	A	Continuing calibration (%D) (c)

SDG	Sample	Compound	Flag	A or P	Reason (Code)
440-220843-1	RISB-EJ-04-1.0-20180925	Aniline Pyridine	UJ (all non-detects) UJ (all non-detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-220843-1	RISB-EJ-04-1.0-20180925	Benzidine	R (all non-detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-227549-1	RIDB-35-1-20181212**	Benzidine	UJ (all non-detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-220771-1	RISB-ER-02-1.0-20180924 RISB-ER-02-10.0-20180924 RISB-EJ-02-1.0-20180924 RISB-EJ-02-10.0-20180924	Aniline Benzidine	R (all non-detects) R (all non-detects)	P	Laboratory control samples (%R) (l)
440-220771-1	RISB-ER-02-1.0-20180924 RISB-ER-02-10.0-20180924 RISB-EJ-02-1.0-20180924 RISB-EJ-02-10.0-20180924	Pyridine	UJ (all non-detects)	P	Laboratory control samples (%R) (l)
440-220843-1	RISB-EJ-04-1.0-20180925 RISB-EJ-04-10.0-20180925 RISB-EJ-03-1.0-20180925 RISB-EJ-03-1.0-20180925-FD RISB-EJ-03-10.0-20180925 RISB-ER-03-1.0-20180925 RISB-ER-03-10.0-20180925 RISB-ER-01-1.0-20180925 RISB-ER-01-10.0-20180925	Aniline Benzidine	R (all non-detects) R (all non-detects)	P	Laboratory control samples (%R) (l)
440-220843-1	RISB-EJ-04-1.0-20180925 RISB-EJ-04-10.0-20180925 RISB-EJ-03-1.0-20180925 RISB-EJ-03-1.0-20180925-FD RISB-EJ-03-10.0-20180925 RISB-ER-03-1.0-20180925 RISB-ER-03-10.0-20180925 RISB-ER-01-1.0-20180925 RISB-ER-01-10.0-20180925	Pyridine	UJ (all non-detects)	P	Laboratory control samples (%R) (l)

**NERT RI, Phase 2, March 2018 through March 2019
Semivolatiles - Laboratory Blank Data Qualification Summary - SDGs 440-220771-1, 440-220843-1, 440-220951-1, 440-227549-1, 440-227679-1**

No Sample Data Qualified in these SDGs

**NERT RI, Phase 2, March 2018 through March 2019
Semivolatiles - Field Blank Data Qualification Summary - SDGs 440-220771-1, 440-220843-1, 440-220951-1, 440-227549-1, 440-227679-1**

No Sample Data Qualified in these SDGs

ATTACHMENT E
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.

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%.

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

Samples RISB-EJ-03-1.0-20180925 and RISB-EJ-03-1.0-20180925-FD (both from SDG 440-220843-1) were identified as field duplicates. No results were detected in any of the samples.

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.

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 RI, Phase 2, March 2018 through March 2019
Polynuclear Aromatic Hydrocarbons - Data Qualification Summary - SDGs 440-220771-1, 440-220843-1, 440-220951-1, 440-227549-1, 440-227679-1**

No Sample Data Qualified in these SDGs

**NERT RI, Phase 2, March 2018 through March 2019
Polynuclear Aromatic Hydrocarbons - Laboratory Blank Data Qualification Summary - SDGs 440-220771-1, 440-220843-1, 440-220951-1, 440-227549-1, 440-227679-1**

No Sample Data Qualified in these SDGs

**NERT RI, Phase 2, March 2018 through March 2019
Polynuclear Aromatic Hydrocarbons - Field Blank Data Qualification Summary - SDGs 440-220771-1, 440-220843-1, 440-220951-1, 440-227549-1, 440-227679-1**

No Sample Data Qualified in these SDGs

ATTACHMENT F
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.

All technical holding time requirements were met.

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.

Retention time windows were established as required by the method for samples which underwent Stage 4 validation. Raw data were not reviewed for Stage 2B validation.

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.

Retention times of all compounds in the calibration standards were within the established retention time windows for samples which underwent Stage 4 validation. Raw data were not reviewed for Stage 2B validation.

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.

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
440-220771-1	RISB-ER-02-1.0-20180924MS/MSD (RISB-ER-02-1.0-20180924)	beta-BHC	139 (40-120)	-	J+ (all detects)	A

Relative percent differences (RPD) were within QC limits.

IX. Laboratory Control Samples

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

X. Field Duplicates

Samples RISB-EJ-03-1.0-20180925 and RISB-EJ-03-1.0-20180925-FD (both from SDG 440-220843-1) 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
		RISB-EJ-03-1.0-20180925	RISB-EJ-03-1.0-20180925-FD			
440-220843-1	beta-BHC	0.0051U	0.0018	200 (≤50)	NQ	-

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

XI. 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 MS/MSD %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 RI, Phase 2, March 2018 through March 2019
Chlorinated Pesticides - Data Qualification Summary - SDGs 440-220771-1, 440-220843-1, 440-220951-1, 440-227549-1, 440-227679-1**

SDG	Sample	Compound	Flag	A or P	Reason (Code)
440-220771-1	RISB-ER-02-1.0-20180924	beta-BHC	J+ (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)

**NERT RI, Phase 2, March 2018 through March 2019
Chlorinated Pesticides - Laboratory Blank Data Qualification Summary - SDGs 440-220771-1, 440-220843-1, 440-220951-1, 440-227549-1, 440-227679-1**

No Sample Data Qualified in these SDGs

**NERT RI, Phase 2, March 2018 through March 2019
Chlorinated Pesticides - Field Blank Data Qualification Summary - SDGs 440-220771-1, 440-220843-1, 440-220951-1, 440-227549-1, 440-227679-1**

No Sample Data Qualified in these SDGs

ATTACHMENT G
PCB as Aroclors DVR

Polychlorinated Biphenyls (PCBs) by Environmental Protection Agency (EPA) SW 846 Method 8082

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.

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.

Retention time windows were established as required by the method for samples which underwent Stage 4 validation. Raw data were not reviewed for Stage 2B validation.

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

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% for all compounds.

Retention times of all compounds in the calibration standards were within the established retention time windows for samples which underwent Stage 4 validation. Raw data were not reviewed for Stage 2B validation.

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

Sample M-271-20190221_EB (from SDG 440-234338-1) was identified as an equipment blank. 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.

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

VII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) sample analysis was performed on an associated project sample. Percent recoveries (%R) were within QC limits. 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-270-20190221 and M-270-20190221_FD (both from SDG 440-234338-1) and samples M-262-20190314 and M-262-20190314-FD (both from SDG 440-236324-1) 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 or 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 or Stage 2B validation.

XII. Overall Assessment of Data

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

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 RI, Phase 2, March 2018 through March 2019
Polychlorinated Biphenyls - Data Qualification Summary - SDGs 440-208864-1, 440-227549-1, 440-227679-1, 440-233779-1, 440-234338-1, 440-235977-1, 440-236091-1, 440-236214-1, 440-236324-1, 440-236394-1

No Sample Data Qualified in these SDGs

NERT RI, Phase 2, March 2018 through March 2019
Polychlorinated Biphenyls - Laboratory Blank Data Qualification Summary - SDGs 440-208864-1, 440-227549-1, 440-227679-1, 440-233779-1, 440-234338-1, 440-235977-1, 440-236091-1, 440-236214-1, 440-236324-1, 440-236394-1

No Sample Data Qualified in these SDGs

NERT RI, Phase 2, March 2018 through March 2019
Polychlorinated Biphenyls - Field Blank Data Qualification Summary - SDGs 440-208864-1, 440-227549-1, 440-227679-1, 440-233779-1, 440-234338-1, 440-235977-1, 440-236091-1, 440-236214-1, 440-236324-1, 440-236394-1

No Sample Data Qualified in these SDGs

ATTACHMENT H
GRO DVR

Gasoline Range Organics (GRO) 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

No field blanks were identified in these SDGs.

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

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 RISB-EJ-03-1.0-20180925 and RISB-EJ-03-1.0-20180925-FD (both from SDG 440-220843-1) 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 2B validation.

XI. 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.

XII. 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 RI, Phase 2, March 2018 through March 2019
Gasoline Range Organics - Data Qualification Summary - SDGs 440-220771-1,
440-220843-1, 440-220951-1**

No Sample Data Qualified in these SDGs

**NERT RI, Phase 2, March 2018 through March 2019
Gasoline Range Organics - Laboratory Blank Data Qualification Summary - SDGs
440-220771-1, 440-220843-1, 440-220951-1**

No Sample Data Qualified in these SDGs

**NERT RI, Phase 2, March 2018 through March 2019
Gasoline Range Organics - Field Blank Data Qualification Summary - SDGs 440-
220771-1, 440-220843-1, 440-220951-1**

No Sample Data Qualified in these SDGs

ATTACHMENT I
TPHE DVR

Total Petroleum Hydrocarbons (TPH) as Extractables 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% for all compounds.

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

III. 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.

IV. Laboratory Blanks

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

SDG	Blank ID	Extraction Date	Compound	Concentration	Associated Samples
440-220951-1	MB 440-502908/1-A	10/04/18	Oil range organics (C23-C40)	5.27 mg/Kg	All samples in SDG 440-220951-1

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.

V. Field Blanks

No field blanks were identified in these SDGs.

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

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

IX. Field Duplicates

Samples RISB-EJ-03-1.0-20180925 and RISB-EJ-03-1.0-20180925-FD (both from SDG 440-220843-1) 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
		RISB-EJ-03-1.0-20180925	RISB-EJ-03-1.0-20180925-FD			
440-220843-1	Oil range organics (C23-C40)	3.1	5.1U	200 (≤50)	NQ	-

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

X. Compound Quantitation

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

XI. 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.

XII. 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 RI, Phase 2, March 2018 through March 2019
Total Petroleum Hydrocarbons as Extractables - Data Qualification Summary -
SDGs 440-220771-1, 440-220843-1, 440-220951-1**

No Sample Data Qualified in these SDGs

**NERT RI, Phase 2, March 2018 through March 2019
Total Petroleum Hydrocarbons as Extractables - Laboratory Blank Data
Qualification Summary - SDGs 440-220771-1, 440-220843-1, 440-220951-1**

No Sample Data Qualified in these SDGs

**NERT RI, Phase 2, March 2018 through March 2019
Total Petroleum Hydrocarbons as Extractables - Field Blank Data Qualification
Summary - SDGs 440-220771-1, 440-220843-1, 440-220951-1**

No Sample Data Qualified in these SDGs

ATTACHMENT J
Organophosphorus Pesticides DVR

Organophosphorus Pesticides by Environmental Protection Agency (EPA) SW 846 Method 8141A

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.

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.

III. Continuing Calibration

Continuing calibration was performed at required frequencies.

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

IV. Laboratory Blanks

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

V. Field Blanks

No field blanks were identified in these SDGs.

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

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
440-220843-2	RISB-EJ-04-1.0-20180925MS/MSD (RISB-EJ-04-1.0-20180925)	Dimethoate	32 (53-115)	-	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
440-220843-2	RISB-EJ-04-1.0-20180925MS/MSD (RISB-EJ-04-1.0-20180925)	Dimethoate	59 (≤29)	NA	-

VIII. Laboratory Control Samples

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

SDG	LCS ID	Compound	%R (Limits)	Associated Samples	Flag	A or P
440-220771-2	LCS 280-431574/2-A	Dimethoate	22 (53-115)	All samples in SDG 440-220771-2	UJ (all non-detects)	P
440-220843-2	LCS 280-431574/2-A	Dimethoate	22 (53-115)	All samples in SDG 440-220843-2	UJ (all non-detects)	P
440-220951-2	LCS 280-431574/2-A	Dimethoate	22 (53-115)	All samples in SDG 440-220951-2	UJ (all non-detects)	P

IX. Field Duplicates

Samples RISB-EJ-03-1.0-20180925 and RISB-EJ-03-1.0-20180925-FD (both from SDG 440-220843-2) were identified as field duplicates. No results were detected in any of the samples.

X. Compound Quantitation

Raw data were not reviewed for Stage 2B validation.

XI. Target Compound Identification

Raw data were not reviewed for Stage 2B validation.

XII. Overall Assessment of Data

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

Due to MS/MSD %R and LCS %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 RI, Phase 2, March 2018 through March 2019
Organophosphorus Pesticides - Data Qualification Summary - SDGs 440-220771-2, 440-220843-2, 440-220951-2**

SDG	Sample	Compound	Flag	A or P	Reason (Code)
440-220843-2	RISB-EJ-04-1.0-20180925	Dimethoate	UJ (all non-detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-220771-2	RISB-ER-02-1.0-20180924 RISB-ER-02-10.0-20180924 RISB-EJ-02-1.0-20180924 RISB-EJ-02-10.0-20180924	Dimethoate	UJ (all non-detects)	P	Laboratory control samples (%R) (l)
440-220843-2	RISB-EJ-04-1.0-20180925 RISB-EJ-04-10.0-20180925 RISB-EJ-03-1.0-20180925 RISB-EJ-03-1.0-20180925-FD RISB-EJ-03-10.0-20180925 RISB-ER-03-1.0-20180925 RISB-ER-03-10.0-20180925 RISB-ER-01-1.0-20180925 RISB-ER-01-10.0-20180925	Dimethoate	UJ (all non-detects)	P	Laboratory control samples (%R) (l)
440-220951-2	RISB-EJ-01-1.0-20180926 RISB-EJ-01-10.0-20180926	Dimethoate	UJ (all non-detects)	P	Laboratory control samples (%R) (l)

**NERT RI, Phase 2, March 2018 through March 2019
Organophosphorus Pesticides - Laboratory Blank Data Qualification Summary - SDGs 440-220771-2, 440-220843-2, 440-220951-2**

No Sample Data Qualified in these SDGs

**NERT RI, Phase 2, March 2018 through March 2019
Organophosphorus Pesticides - Field Blank Data Qualification Summary - SDGs 440-220771-2, 440-220843-2, 440-220951-2**

No Sample Data Qualified in these SDGs

ATTACHMENT K
PCDD/PCDF DVR

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

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. HRGC/HRMS Instrument Performance Check

Instrument performance was checked at the required 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% with the following exceptions:

SDG	Sample	Compound	Finding	Criteria	Flag	A or P
440-220951-2	RISB-EJ-01-10.0-20180926	2,3,7,8-TCDD 1,2,3,7,8-PeCDD 1,2,3,6,7,8-HxCDD 1,2,3,7,8,9-HxCDD 2,3,7,8-TCDF 1,2,3,7,8-PeCDF 1,2,3,4,7,8-HxCDF 1,2,3,6,7,8-HxCDF 2,3,4,6,7,8-HxCDF 1,2,3,4,6,7,8-HpCDF Total TCDD Total TCDF	Resolution between 2,3,7,8-TCDD and all other TCDD isomers was 28%.	Resolution between 2,3,7,8-TCDD and any other unlabeled TCDD isomers must be ≤25%.	NA	-

The static resolving power was less than or equal to 10,000 (10% valley definition) at m/z 330.9792 and greater than or equal to 8000 throughout the mass range.

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/PCDFs were within method and validation criteria with the following exceptions:

SDG	Date	Compound	Ion Abundance Ratio (Limits)	Associated Samples	Affected Compound	Flag	A or P
440-220843-2	07/11/18 (CS2 Std)	1,2,3,7,8-PeCDD	1.79 (1.32-1.78)	All samples in SDG 440-220843-2	1,2,3,7,8-PeCDD Total PeCDD	J (all detects) UJ (all non-detects) J (all detects) UJ (all non-detects)	P
440-220951-2	07/11/18 (CS2 Std)	1,2,3,7,8-PeCDD	1.79 (1.32-1.78)	All samples in SDG 440-220951-2	1,2,3,7,8-PeCDD Total PeCDD	J (all detects) UJ (all non-detects) J (all detects) UJ (all non-detects)	P

The minimum S/N ratio was greater than or equal to 2.5 for each unlabeled compound and greater than or equal to 10 for each labeled compound associated to samples which underwent Stage 4 validation. Raw data were not reviewed for Stage 2B validation.

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 with the following exceptions:

SDG	Date	Compound	%D	Associated Samples	Affected Compound	Flag	A or P
440-220843-2	10/06/18 (050C18B4D5_015)	1,2,3,4,7,8-HxCDD	26.8	RISB-EJ-04-1.0-20180925 RISB-EJ-03-1.0-20180925-FD RISB-EJ-03-10.0-20180925	1,2,3,4,7,8-HxCDD Total HxCDD	J+ (all detects) J+ (all detects)	P
440-220843-2	10/06/18 (050C18B4D5_015)	1,2,3,4,7,8-HxCDD	26.8	RISB-EJ-04-10.0-20180925 RISB-EJ-03-1.0-20180925	1,2,3,4,7,8-HxCDD Total HxCDD	NA	-
440-220843-2	10/10/18 (090C18B4D5_015)	2,3,7,8-TCDF	25.3	RISB-ER-01-1.0-20180925	2,3,7,8-TCDF Total TCDF	J- (all detects) UJ (all non-detects) J- (all detects) UJ (all non-detects)	P
440-220843-2	10/10/18 (090C18B4D5_015)	13C-1,2,3,7,8-PeCDD	35.5	RISB-ER-03-1.0-20180925 RISB-ER-03-10.0-20180925 RISB-ER-01-1.0-20180925 RISB-ER-01-10.0-20180925	1,2,3,7,8-PeCDD Total PeCDD	J- (all detects) UJ (all non-detects) J- (all detects) UJ (all non-detects)	P
440-220951-2	10/10/18 (090C18B4D5_015)	2,3,7,8-TCDF	25.3	All samples in SDG 440-220951-2	2,3,7,8-TCDF Total TCDF	J- (all detects) UJ (all non-detects) J- (all detects) UJ (all non-detects)	P
440-220951-2	10/10/18 (090C18B4D5_015)	13C-1,2,3,7,8-PeCDD	35.5	All samples in SDG 440-220951-2	1,2,3,7,8-PeCDD Total PeCDD	J- (all detects) UJ (all non-detects) J- (all detects) UJ (all non-detects)	P

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

The minimum S/N ratio was greater than or equal to 10 for each unlabeled compound and labeled compound associated to samples which underwent Stage 4 validation. Raw data were not reviewed for Stage 2B validation.

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
440-208864-2	MB 320-219587	04/24/18	1,2,3,4,7,8-HxCDD 1,2,3,4,6,7,8-HpCDD 1,2,3,4,6,7,8-HpCDF OCDD Total TCDF Total HxCDD Total HpCDD Total HpCDF	1.40 pg/L 0.649 pg/L 0.427 pg/L 2.69 pg/L 0.574 pg/L 1.40 pg/L 1.31 pg/L 0.427 pg/L	All samples in SDG 440-208864-2
440-220771-2	MB 320-248436/1-A	09/28/18	1,2,3,7,8-PeCDF 1,2,3,4,7,8-HxCDD 1,2,3,6,7,8-HxCDD 1,2,3,7,8,9-HxCDD 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 PeCDF Total HxCDD Total HxCDF Total HpCDD Total HpCDF	0.145 pg/g 0.123 pg/g 0.0601 pg/g 0.0726 pg/g 0.176 pg/g 0.0873 pg/g 1.19 pg/g 0.133 pg/g 0.292 pg/g 1.91 pg/g 1.99 pg/g 1.13 pg/g 0.145 pg/g 0.379 pg/g 2.32 pg/g 0.261 pg/g 2.68 pg/g	All samples in SDG 440-220771-2
440-220843-2	MB 320-249178/1-A	10/02/18	1,2,3,6,7,8-HxCDD 1,2,3,7,8,9-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 PeCDF Total HxCDD Total HxCDF Total HpCDD Total HpCDF	0.815 pg/g 0.399 pg/g 0.116 pg/g 1.02 pg/g 0.226 pg/g 0.172 pg/g 12.1 pg/g 0.412 pg/g 0.194 pg/g 7.21 pg/g 0.229 pg/g 2.02 pg/g 0.636 pg/g	All samples in SDG 440-220843-2
440-220951-2	MB 320-249178/1-A	10/02/18	1,2,3,6,7,8-HxCDD 1,2,3,7,8,9-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 PeCDF Total HxCDD Total HxCDF Total HpCDD Total HpCDF	0.815 pg/g 0.399 pg/g 0.116 pg/g 1.02 pg/g 0.226 pg/g 0.172 pg/g 12.1 pg/g 0.412 pg/g 0.194 pg/g 7.21 pg/g 0.229 pg/g 2.02 pg/g 0.636 pg/g	All samples in SDG 440-220951-2

SDG	Blank ID	Extraction Date	Compound	Concentration	Associated Samples
440-227549-4	MB 320-266053/1-A	12/18/18	2,3,7,8-TCDF 1,2,3,7,8-PeCDF 1,2,3,4,7,8-HxCDD 1,2,3,7,8,9-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 TCDF Total PeCDF Total HxCDD Total HxCDF Total HpCDD Total HpCDF	0.0389 pg/g 0.0524 pg/g 0.122 pg/g 0.0400 pg/g 0.0685 pg/g 0.0363 pg/g 0.0310 pg/g 0.434 pg/g 0.151 pg/g 0.112 pg/g 0.250 pg/g 1.22 pg/g 0.327 pg/g 0.0684 pg/g 0.0524 pg/g 0.186 pg/g 0.570 pg/g 0.324 pg/g 0.462 pg/g	All samples in SDG 440-227549-4
440-227679-4	MB 320-266611/1-A	12/20/18	2,3,7,8-TCDD 2,3,7,8-TCDF 1,2,3,7,8-PeCDF 1,2,3,4,7,8-HxCDD 1,2,3,6,7,8-HxCDD 1,2,3,7,8,9-HxCDD 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 TCDD Total TCDF Total PeCDF Total HxCDD Total HxCDF Total HpCDD Total HpCDF	0.0717 pg/g 0.0244 pg/g 0.319 pg/g 0.129 pg/g 0.102 pg/g 0.0769 pg/g 0.0664 pg/g 1.45 pg/g 0.0964 pg/g 0.0768 pg/g 0.179 pg/g 1.33 pg/g 0.364 pg/g 0.0717 pg/g 0.0244 pg/g 0.319 pg/g 0.554 pg/g 1.72 pg/g 0.223 pg/g 0.256 pg/g	All samples in SDG 440-227679-4

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
440-208864-2	M-224R-20180413	1,2,3,4,7,8-HxCDD 1,2,3,4,6,7,8-HpCDD OCDD Total HxCDD Total HpCDD	1.2 pg/L 0.86 pg/L 2.7 pg/L 2.2 pg/L 2.0 pg/L	1.2J pg/L 0.86J pg/L 2.7J pg/L 2.2J pg/L 2.0J pg/L
440-208864-2	M-225R-20180413	1,2,3,4,6,7,8-HpCDD OCDD Total HpCDD	1.1 pg/L 3.5 pg/L 2.3 pg/L	1.1J pg/L 3.5J pg/L 2.3J pg/L

SDG	Sample	Compound	Reported Concentration	Modified Final Concentration
440-208864-2	M-227R-20180413	1,2,3,4,7,8-HxCDD 1,2,3,4,6,7,8-HpCDD 1,2,3,4,6,7,8-HpCDF OCDD Total TCDF Total HxCDD Total HpCDD Total HpCDF	1.6 pg/L 0.73 pg/L 0.56 pg/L 1.1 pg/L 1.7 pg/L 1.6 pg/L 1.9 pg/L 0.56 pg/L	1.6J pg/L 0.73J pg/L 0.56J pg/L 1.1J pg/L 1.7J pg/L 1.6J pg/L 1.9J pg/L 0.56J pg/L
440-208864-2	M-228R-20180413	OCDD	10 pg/L	10J pg/L
440-220843-2	RISB-EJ-04-10.0-20180925	OCDD Total HpCDD	11 pg/g 2.0 pg/g	11J pg/g 2.0J pg/g
440-220843-2	RISB-EJ-03-1.0-20180925	Total HxCDD	4.6 pg/g	4.6J pg/g
440-220843-2	RISB-EJ-03-1.0-20180925-FD	1,2,3,6,7,8-HxCDD OCDD Total HxCDD	2.1 pg/g 38 pg/g 9.6 pg/g	2.1J pg/g 38J pg/g 9.6J pg/g
440-220843-2	RISB-EJ-03-10.0-20180925	1,2,3,4,6,7,8-HpCDD OCDD Total PeCDF Total HxCDD Total HpCDD	1.7 pg/g 7.2 pg/g 0.83 pg/g 2.9 pg/g 2.5 pg/g	1.7J pg/g 7.2J pg/g 0.83J pg/g 2.9J pg/g 2.5J pg/g
440-220843-2	RISB-ER-03-1.0-20180925	1,2,3,6,7,8-HxCDD 1,2,3,4,6,7,8-HpCDD OCDD Total HxCDD Total HpCDD	1.9 pg/g 5.1 pg/g 16 pg/g 9.9 pg/g 9.4 pg/g	1.9J pg/g 5.1J pg/g 16J pg/g 9.9J pg/g 9.4J pg/g
440-220843-2	RISB-ER-03-10.0-20180925	1,2,3,4,6,7,8-HpCDD OCDD Total HxCDF Total HpCDD	1.5 pg/g 15 pg/g 1.6 pg/g 3.5 pg/g	1.5J pg/g 15J pg/g 1.6J pg/g 3.5J pg/g
440-220843-2	RISB-ER-01-1.0-20180925	1,2,3,6,7,8-HxCDD 1,2,3,4,6,7,8-HpCDD OCDD Total HxCDD Total HpCDD	4.0 pg/g 1.7 pg/g 10 pg/g 17 pg/g 4.5 pg/g	4.0J pg/g 1.7J pg/g 10J pg/g 17J pg/g 4.5J pg/g
440-220843-2	RISB-ER-01-10.0-20180925	1,2,3,4,6,7,8-HpCDF OCDD Total HxCDD Total HpCDF	0.79 pg/g 7.5 pg/g 3.1 pg/g 3.0 pg/g	0.79J pg/g 7.5J pg/g 3.1J pg/g 3.0J pg/g
440-220951-2	RISB-EJ-01-1.0-20180926	OCDD	5.4 pg/g	5.4J pg/g

SDG	Sample	Compound	Reported Concentration	Modified Final Concentration
440-220951-2	RISB-EJ-01-10.0-20180926	1,2,3,4,6,7,8-HpCDD OCDD OCDF Total HxCDD Total HpCDD Total HpCDF	0.81 pg/g 2.6 pg/g 1.4 pg/g 1.4 pg/g 1.9 pg/g 2.6 pg/g	0.81J pg/g 2.6J pg/g 1.4J pg/g 1.4J pg/g 1.9J pg/g 2.6J pg/g
440-227549-4	RIDB-34-5-20181212**	1,2,3,7,8,9-HxCDF	2.1 pg/g	2.1J pg/g
440-227679-4	RIDB-34-30-20181213	OCDD OCDF Total HxCDD	4.5 pg/g 1.5 pg/g 2.1 pg/g	4.5J pg/g 1.5J pg/g 2.1J pg/g
440-227679-4	RIDB-36-10-20181213	1,2,3,6,7,8-HxCDD	0.51 pg/g	0.51J pg/g
440-227679-4	RIDB-36-20-20181213	OCDD OCDF	5.1 pg/g 0.95 pg/g	5.1J pg/g 0.95J pg/g
440-227679-4	RIDB-36-30-20181213	OCDD Total HxCDD	6.4 pg/g 2.6 pg/g	6.4J pg/g 2.6J pg/g

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 RISB-EJ-03-1.0-20180925 and RISB-EJ-03-1.0-20180925-FD (both from SDG 440-220843-2) were identified as field duplicates. No results were detected in any of the samples with the following exceptions:

SDG	Compound	Concentration (pg/g)		RPD (Limits)	Flag	A or P
		RISB-EJ-03-1.0-20180925	RISB-EJ-03-1.0-20180925-FD			
440-220843-2	1,2,3,7,8-PeCDF	9.4	12	24 (≤50)	-	-
	2,3,4,7,8-PeCDF	5.1U	8.0	200 (≤50)	NQ	-
	1,2,3,4,7,8-HxCDD	2.7U	1.5	200 (≤50)	NQ	-
	1,2,3,6,7,8-HxCDD	4.6	2.1	75 (≤50)	NQ	-
	1,2,3,7,8,9-HxCDD	2.2U	2.9	200 (≤50)	NQ	-
	1,2,3,4,7,8-HxCDF	29	26	11 (≤50)	-	-
	1,2,3,6,7,8-HxCDF	13	20	42 (≤50)	-	-
	2,3,4,6,7,8-HxCDF	5.8U	5.1	200 (≤50)	NQ	-
	1,2,3,4,6,7,8-HpCDD	14	11	24 (≤50)	-	-
	1,2,3,4,6,7,8-HpCDF	88	84	5 (≤50)	-	-
	1,2,3,4,7,8,9-HpCDF	24	29	19 (≤50)	-	-
	OCDD	110	38	97 (≤50)	NQ	-
	OCDF	150	150	0 (≤50)	-	-
	Total TCDD	3.1U	0.95	200 (≤50)	NQ	-
	Total TCDF	30	43	36 (≤50)	-	-
	Total PeCDD	4.1U	7.1	200 (≤50)	NQ	-
	Total PeCDF	55	80	37 (≤50)	-	-
	Total HxCDD	4.6	9.6	70 (≤50)	NQ	-
	Total HxCDF	77	99	25 (≤50)	-	-
	Total HpCDD	25	18	33 (≤50)	-	-
Total HpCDF	160	160	0 (≤50)	-	-	

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

X. Labeled Compounds

All percent recoveries (%R) for labeled compounds used to quantitate target compounds were within QC limits with the following exceptions:

SDG	Sample	Labeled Compound	%R (Limits)	Affected Compound	Flag	A or P
440-220771-2	RISB-EJ-02-10.0-20180924	13C-OCDD	37 (40-135)	OCDD OCDF	J- (all detects) J- (all detects)	P

Raw 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
440-208864-2	All samples	Results were flagged "q" by the laboratory as estimated maximum possible concentration (EMPC).	J (all detects)	A
440-220771-2	All samples in SDG 440-220771-2	All compounds reported as estimated maximum possible concentration (EMPC).	J (all detects)	A
440-220843-2	All samples in SDG 440-220843-2	All compounds reported as estimated maximum possible concentration (EMPC).	J (all detects)	A
440-220951-2	All samples in SDG 440-220951-2	All compounds reported as estimated maximum possible concentration (EMPC).	J (all detects)	A
440-227549-4	All samples in SDG 440-227549-4	All compounds reported as estimated maximum possible concentration (EMPC).	J (all detects)	A
440-227679-4	All samples in SDG 440-227679-4	All compounds reported as estimated maximum possible concentration (EMPC).	J (all detects)	A

For samples RISB-ER-02-10.0-20180924, RISB-EJ-02-10.0-20180924 (both from SDG 440-220771-2), RISB-EJ-04-10.0-20180925, RISB-ER-03-1.0-20180925, RISB-ER-01-10.0-20180925 (all from SDG 440-220843-2), RISB-EJ-01-1.0-20180926 (from SDG 440-220951-2), RIDB-35-10-20181212**, RIDB-35-20-20181212**, RIDB-34-5-20181212** (all three from SDG 440-227549-4), and RIDB-34-20-20181213, RIDB-34-30-20181213, RIDB-36-1-20181213, and RIDB-36-10-20181213 (all four from SDG 440-227679-4), a 2nd column confirmation was not performed for 2,3,7,8-TCDF when the result was less than the practical quantitation limit (PQL) or EMPC.

Raw data were not reviewed for Stage 2A or 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 or 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 or 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 instrument performance check, ion abundance ratio, continuing calibration %D, labeled compounds %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 nineteen 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.

SDG	Sample	Compound	Flag	A or P	Reason (Code)
440-220951-2	RISB-EJ-01-1.0-20180926 RISB-EJ-01-10.0-20180926	1,2,3,7,8-PeCDD Total PeCDD	J (all detects) UJ (all non-detects) J (all detects) UJ (all non-detects)	P	Ion abundance ratio (c)
440-220843-2	RISB-EJ-04-1.0-20180925 RISB-EJ-03-1.0-20180925-FD RISB-EJ-03-10.0-20180925	1,2,3,4,7,8-HxCDD Total HxCDD	J+ (all detects) J+ (all detects)	P	Continuing calibration (%D) (c)
440-220843-2	RISB-ER-01-1.0-20180925	2,3,7,8-TCDF Total TCDF	J- (all detects) UJ (all non-detects) J- (all detects) UJ (all non-detects)	P	Continuing calibration (%D) (c)
440-220843-2	RISB-ER-03-1.0-20180925 RISB-ER-03-10.0-20180925 RISB-ER-01-1.0-20180925 RISB-ER-01-10.0-20180925	1,2,3,7,8-PeCDD Total PeCDD	J- (all detects) UJ (all non-detects) J- (all detects) UJ (all non-detects)	P	Continuing calibration (%D) (c)
440-220951-2	RISB-EJ-01-1.0-20180926 RISB-EJ-01-10.0-20180926	2,3,7,8-TCDF Total TCDF 1,2,3,7,8-PeCDD Total PeCDD	J- (all detects) UJ (all non-detects)	P	Continuing calibration (%D) (c)
440-220771-2	RISB-EJ-02-10.0-20180924	OCDD OCDF	J- (all detects) J- (all detects)	P	Labeled compounds (%R) (i)
440-208864-2	M-224R-20180413 M-225R-20180413 M-227R-20180413 M-228R-20180413	Results were flagged "q" by the laboratory as estimated maximum possible concentration (EMPC).	J (all detects)	A	Compound quantitation (EMPC) (k)
440-220771-2	RISB-ER-02-1.0-20180924 RISB-ER-02-10.0-20180924 RISB-EJ-02-1.0-20180924 RISB-EJ-02-10.0-20180924	All compounds reported as estimated maximum possible concentration (EMPC).	J (all detects)	A	Compound quantitation (EMPC) (k)
440-220843-2	RISB-EJ-04-1.0-20180925 RISB-EJ-04-10.0-20180925 RISB-EJ-03-1.0-20180925 RISB-EJ-03-1.0-20180925-FD RISB-EJ-03-10.0-20180925 RISB-ER-03-1.0-20180925 RISB-ER-03-10.0-20180925 RISB-ER-01-1.0-20180925 RISB-ER-01-10.0-20180925	All compounds reported as estimated maximum possible concentration (EMPC).	J (all detects)	A	Compound quantitation (EMPC) (k)
440-220951-2	RISB-EJ-01-1.0-20180926 RISB-EJ-01-10.0-20180926	All compounds reported as estimated maximum possible concentration (EMPC).	J (all detects)	A	Compound quantitation (EMPC) (k)

SDG	Sample	Compound	Flag	A or P	Reason (Code)
440-227549-4	RIDB-35-1-20181212** RIDB-35-5-20181212** RIDB-35-10-20181212** RIDB-35-20-20181212** RIDB-35-30-20181212** RIDB-34-1-20181212** RIDB-34-5-20181212**	All compounds reported as estimated maximum possible concentration (EMPC).	J (all detects)	A	Compound quantitation (EMPC) (k)
440-227679-4	RIDB-34-10-20181213 RIDB-34-20-20181213 RIDB-34-30-20181213 RIDB-36-1-20181213 RIDB-36-5-20181213 RIDB-36-10-20181213 RIDB-36-20-20181213 RIDB-36-30-20181213	All compounds reported as estimated maximum possible concentration (EMPC).	J (all detects)	A	Compound quantitation (EMPC) (k)

**NERT RI, Phase 2, March 2018 through March 2019
Polychlorinated Dioxins/Dibenzofurans - Laboratory Blank Data Qualification
Summary – SDGs 440-208864-2, 440-220771-2, 440-220843-2, 440-220951-2, 440-227549-4, 440-227679-4**

SDG	Sample	Compound	Modified Final Concentration	A or P	Code
440-208864-2	M-224R-20180413	1,2,3,4,7,8-HxCDD 1,2,3,4,6,7,8-HpCDD OCDD Total HxCDD Total HpCDD	1.2J pg/L 0.86J pg/L 2.7J pg/L 2.2J pg/L 2.0J pg/L	A	bl
440-208864-2	M-225R-20180413	1,2,3,4,6,7,8-HpCDD OCDD Total HpCDD	1.1J pg/L 3.5J pg/L 2.3J pg/L	A	bl
440-208864-2	M-227R-20180413	1,2,3,4,7,8-HxCDD 1,2,3,4,6,7,8-HpCDD 1,2,3,4,6,7,8-HpCDF OCDD Total TCDF Total HxCDD Total HpCDD Total HpCDF	1.6J pg/L 0.73J pg/L 0.56J pg/L 1.1J pg/L 1.7J pg/L 1.6J pg/L 1.9J pg/L 0.56J pg/L	A	bl
440-208864-2	M-228R-20180413	OCDD	10J pg/L	A	bl
440-220843-2	RISB-EJ-04-10.0-20180925	OCDD Total HpCDD	11J pg/g 2.0J pg/g	A	bl
440-220843-2	RISB-EJ-03-1.0-20180925	Total HxCDD	4.6J pg/g	A	bl

SDG	Sample	Compound	Modified Final Concentration	A or P	Code
440-220843-2	RISB-EJ-03-1.0-20180925-FD	1,2,3,6,7,8-HxCDD OCDD Total HxCDD	2.1J pg/g 38J pg/g 9.6J pg/g	A	bl
440-220843-2	RISB-EJ-03-10.0-20180925	1,2,3,4,6,7,8-HpCDD OCDD Total PeCDF Total HxCDD Total HpCDD	1.7J pg/g 7.2J pg/g 0.83J pg/g 2.9J pg/g 2.5J pg/g	A	bl
440-220843-2	RISB-ER-03-1.0-20180925	1,2,3,6,7,8-HxCDD 1,2,3,4,6,7,8-HpCDD OCDD Total HxCDD Total HpCDD	1.9J pg/g 5.1J pg/g 16J pg/g 9.9J pg/g 9.4J pg/g	A	bl
440-220843-2	RISB-ER-03-10.0-20180925	1,2,3,4,6,7,8-HpCDD OCDD Total HxCDF Total HpCDD	1.5J pg/g 15J pg/g 1.6J pg/g 3.5J pg/g	A	bl
440-220843-2	RISB-ER-01-1.0-20180925	1,2,3,6,7,8-HxCDD 1,2,3,4,6,7,8-HpCDD OCDD Total HxCDD Total HpCDD	4.0J pg/g 1.7J pg/g 10J pg/g 17J pg/g 4.5J pg/g	A	bl
440-220843-2	RISB-ER-01-10.0-20180925	1,2,3,4,6,7,8-HpCDF OCDD Total HxCDD Total HpCDF	0.79J pg/g 7.5J pg/g 3.1J pg/g 3.0J pg/g	A	bl
440-220951-2	RISB-EJ-01-1.0-20180926	OCDD	5.4J pg/g	A	bl
440-220951-2	RISB-EJ-01-10.0-20180926	1,2,3,4,6,7,8-HpCDD OCDD OCDF Total HxCDD Total HpCDD Total HpCDF	0.81J pg/g 2.6J pg/g 1.4J pg/g 1.4J pg/g 1.9J pg/g 2.6J pg/g	A	Bl
440-227549-4	RIDB-34-5-20181212**	1,2,3,7,8,9-HxCDF	2.1J pg/g	A	bl
440-227679-4	RIDB-34-30-20181213	OCDD OCDF Total HxCDD	4.5J pg/g 1.5J pg/g 2.1J pg/g	A	bl
440-227679-4	RIDB-36-10-20181213	1,2,3,6,7,8-HxCDD	0.51J pg/g	A	bl
440-227679-4	RIDB-36-20-20181213	OCDD OCDF	5.1J pg/g 0.95J pg/g	A	bl
440-227679-4	RIDB-36-30-20181213	OCDD Total HxCDD	6.4J pg/g 2.6J pg/g	A	bl

**NERT RI, Phase 2, March 2018 through March 2019
Polychlorinated Dioxins/Dibenzofurans - Field Blank Data Qualification Summary
– SDGs 440-208864-2, 440-220771-2, 440-220843-2, 440-220951-2, 440-227549-4,
440-227679-4**

No Sample Data Qualified in these SDGs

ATTACHMENT L
PCB as Congeners DVR

Polychlorinated Biphenyls (PCBs) as Congeners by Environmental Protection Agency (EPA) Method 1668A

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. HRGC/HRMS Instrument Performance Check

Instrument performance was checked at the required frequency.

Retention time windows were established for all congeners. The chromatographic resolution between the congeners PCB-23 and PCB-34 and congeners PCB-182 and PCB-187 was resolved with a valley of less than or equal to 40%.

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

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 labeled compounds.

The ion abundance ratios for all compounds were within validation criteria.

The percent differences (%D) of the initial calibration verification (ICV) standard were less than or equal to 30.0% for unlabeled compounds and less than or equal to 50.0% for labeled compounds.

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 30.0% for unlabeled compounds and less than or equal to 50.0% for labeled compounds.

The ion abundance ratios for all compounds were within validation criteria.

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
440-220771-2	MB 320-248437/1-A	09/28/18	PCB 20/28 PCB 31 PCB 40/71 PCB 44/47/65 PCB 49/69 PCB 52 PCB 56 PCB 60 PCB 61/70/74/76 PCB 66 PCB 90/101/113 PCB 128/166 PCB 129/138/163 PCB 141 PCB 146 PCB 147/149 PCB 153/168 PCB 155 PCB 156/157 PCB 167 PCB 170 PCB 174 PCB 180/193 PCB 183 PCB 194 PCB 198/199 PCB 202 PCB 203 PCB 209 Total Trichlorobiphenyls Total Tetrachlorobiphenyls Total Pentachlorobiphenyls Total Hexachlorobiphenyls Total Heptachlorobiphenyl Total Octachlorobiphenyls	0.303 pg/g 0.231 pg/g 0.0838 pg/g 0.445 pg/g 0.152 pg/g 0.304 pg/g 0.0917 pg/g 0.0592 pg/g 0.294 pg/g 0.136 pg/g 0.197 pg/g 0.0324 pg/g 0.152 pg/g 0.0385 pg/g 0.0477 pg/g 0.142 pg/g 0.164 pg/g 0.0365 pg/g 0.0730 pg/g 0.0203 pg/g 0.0853 pg/g 0.0533 pg/g 0.119 pg/g 0.0964 pg/g 0.0490 pg/g 0.0454 pg/g 0.0323 pg/g 0.0343 pg/g 0.0813 pg/g 0.534 pg/g 1.62 pg/g 0.197 pg/g 0.706 pg/g 0.365 pg/g 0.161 pg/g	All samples in SDG 440-220771-2
440-220843-2	MB 320-249172/1-A	10/02/18	PCB 18/30 PCB 20/28 PCB 21/33 PCB 31 PCB 44/47/65 PCB 52 PCB 61/70/74/76 PCB 66 PCB 68 PCB 110/115 PCB 118 PCB 129/138/163 PCB 180/193 PCB 189 PCB 194 PCB 202 PCB 207 PCB 209 Total Trichlorobiphenyls Total Tetrachlorobiphenyls Total Pentachlorobiphenyls Total Hexachlorobiphenyls Total Heptachlorobiphenyl Total Octachlorobiphenyls Total Nonachlorobiphenyls	0.185 pg/g 0.299 pg/g 0.202 pg/g 0.207 pg/g 0.847 pg/g 0.647 pg/g 0.571 pg/g 0.318 pg/g 0.131 pg/g 1.02 pg/g 0.933 pg/g 0.760 pg/g 0.251 pg/g 0.0759 pg/g 0.0718 pg/g 0.0411 pg/g 0.256 pg/g 0.283 pg/g 0.893 pg/g 2.51 pg/g 1.96 pg/g 0.760 pg/g 0.327 pg/g 0.113 pg/g 0.256 pg/g	RISB-EJ-04-1.0-20180925 RISB-EJ-04-10.0-20180925 RISB-EJ-03-1.0-20180925 RISB-EJ-03-1.0-20180925-FD RISB-EJ-03-10.0-20180925 RISB-ER-03-10.0-20180925 RISB-ER-01-1.0-20180925 RISB-ER-01-10.0-20180925

SDG	Blank ID	Extraction Date	Compound	Concentration	Associated Samples
440-220843-2	MB 320-252095/1-A	10/14/18	PCB 11	5.51 pg/g	RISB-ER-03-1.0-20180925
			PCB 20/28	0.506 pg/g	
			PCB 21/33	0.248 pg/g	
			PCB 31	0.305 pg/g	
			PCB 37	0.171 pg/g	
			PCB 41	0.212 pg/g	
			PCB 44/47/65	0.764 pg/g	
			PCB 49/69	0.185 pg/g	
			PCB 52	0.591 pg/g	
			PCB 54	0.0849 pg/g	
			PCB 56	0.150 pg/g	
			PCB 61/70/74/76	0.544 pg/g	
			PCB 64	0.105 pg/g	
			PCB 66	0.281 pg/g	
			PCB 68	0.114 pg/g	
			PCB 86/87/97/108/119/125	0.408 pg/g	
			PCB 90/101/113	0.612 pg/g	
			PCB 95	0.465 pg/g	
			PCB 99	0.263 pg/g	
			PCB 104	0.0706 pg/g	
			PCB 105	0.290 pg/g	
			PCB 110/115	0.644 pg/g	
			PCB 118	0.598 pg/g	
			PCB 129/138/163	0.443 pg/g	
			PCB 132	0.155 pg/g	
			PCB 136	0.0489 pg/g	
			PCB 146	0.0785 pg/g	
			PCB 147/149	0.365 pg/g	
			PCB 153/168	0.337 pg/g	
			PCB 167	0.0480 pg/g	
			PCB 170	0.0543 pg/g	
			PCB 174	0.0758 pg/g	
			PCB 180/193	0.111 pg/g	
			PCB 183	0.115 pg/g	
			PCB 187	0.0453 pg/g	
			PCB 188	0.0456 pg/g	
			PCB 189	0.0178 pg/g	
			PCB 198/199	0.0323 pg/g	
			PCB 202	0.0396 pg/g	
			PCB 209	0.0503 pg/g	
			Total Dichlorobiphenyls	5.51 pg/g	
			Total Heptachlorobiphenyls	0.464 pg/g	
			Total Hexachlorobiphenyls	1.48 pg/g	
			Total Octachlorobiphenyls	0.0719 pg/g	
			Total Pentachlorobiphenyls	3.35 pg/g	
			Total Tetrachlorobiphenyls	3.03 pg/g	
			Total Trichlorobiphenyls	1.23 pg/g	

SDG	Blank ID	Extraction Date	Compound	Concentration	Associated Samples
440-220951-2	MB 320-249172/1-A	10/02/18	PCB 18/30 PCB 20/28 PCB 21/33 PCB 31 PCB 44/47/65 PCB 52 PCB 61/70/74/76 PCB 66 PCB 68 PCB 110/115 PCB 118 PCB 129/138/163 PCB 180/193 PCB 189 PCB 194 PCB 202 PCB 207 PCB 209 Total Trichlorobiphenyls Total Tetrachlorobiphenyls Total Pentachlorobiphenyls Total Hexachlorobiphenyls Total Heptachlorobiphenyl Total Octachlorobiphenyls Total Nonachlorobiphenyls	0.185 pg/g 0.299 pg/g 0.202 pg/g 0.207 pg/g 0.847 pg/g 0.647 pg/g 0.571 pg/g 0.318 pg/g 0.131 pg/g 1.02 pg/g 0.933 pg/g 0.760 pg/g 0.251 pg/g 0.0759 pg/g 0.0718 pg/g 0.0411 pg/g 0.256 pg/g 0.283 pg/g 0.893 pg/g 2.51 pg/g 1.96 pg/g 0.760 pg/g 0.327 pg/g 0.113 pg/g 0.256 pg/g	All samples in SDG 440-220951-2

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
440-220771-2	RISB-ER-02-1.0-20180924	PCB 20/28 PCB 44/47/65 PCB 49/69 PCB 52	1.3 pg/g 1.1 pg/g 0.53 pg/g 1.2 pg/g	1.3J pg/g 1.1J pg/g 0.53J pg/g 1.2J pg/g
440-220771-2	RISB-ER-02-10.0-20180924	PCB 20/28 PCB 31 PCB 40/71 PCB 44/47/65 PCB 49/69 PCB 52 PCB 61/70/74/76 PCB 66 PCB 129/138/163 PCB 146 PCB 147/149 PCB 153/168 PCB 155 PCB 156/157 PCB 170 PCB 180/193 PCB 183 PCB 194 PCB 202 Total Trichlorobiphenyls Total Tetrachlorobiphenyls Total Heptachlorobiphenyl	0.36 pg/g 0.24 pg/g 0.12 pg/g 0.47 pg/g 0.13 pg/g 0.35 pg/g 0.36 pg/g 0.14 pg/g 0.33 pg/g 0.073 pg/g 0.26 pg/g 0.25 pg/g 0.15 pg/g 0.26 pg/g 0.094 pg/g 0.34 pg/g 0.12 pg/g 0.11 pg/g 0.15 pg/g 1.6 pg/g 2.5 pg/g 1.2 pg/g	0.36J pg/g 0.24J pg/g 0.12J pg/g 0.47J pg/g 0.13J pg/g 0.35J pg/g 0.36J pg/g 0.14J pg/g 0.33J pg/g 0.073J pg/g 0.26J pg/g 0.25J pg/g 0.15J pg/g 0.26J pg/g 0.094J pg/g 0.34J pg/g 0.12J pg/g 0.11J pg/g 0.15J pg/g 1.6J pg/g 2.5J pg/g 1.2J pg/g

SDG	Sample	Compound	Reported Concentration	Modified Final Concentration
440-220771-2	RISB-EJ-02-10.0-20180924	PCB 20/28 PCB 31 PCB 40/71 PCB 44/47/65 PCB 49/69 PCB 52 PCB 56 PCB 60 PCB 61/70/74/76 PCB 66 Total Tetrachlorobiphenyls	0.67 pg/g 0.67 pg/g 0.33 pg/g 0.65 pg/g 0.27 pg/g 0.78 pg/g 0.36 pg/g 0.12 pg/g 1.1 pg/g 0.52 pg/g 6.2 pg/g	0.67J pg/g 0.67J pg/g 0.33J pg/g 0.65J pg/g 0.27J pg/g 0.78J pg/g 0.36J pg/g 0.12J pg/g 1.1J pg/g 0.52J pg/g 6.2J pg/g
440-220843-2	RISB-EJ-04-10.0-20180925	PCB 18/30 PCB 20/28 PCB 21/33 PCB 31 PCB 44/47//65 PCB 52 PCB 61/70/74/76 PCB 66 PCB 110/115 PCB 118 PCB 129/138/163 PCB 180/193 Total Trichlorobiphenyls Total Tetrachlorobiphenyls Total Pentachlorobiphenyls	0.43 pg/g 0.47 pg/g 0.33 pg/g 0.48 pg/g 0.74 pg/g 0.87 pg/g 1.1 pg/g 0.46 pg/g 1.3 pg/g 1.5 pg/g 1.7 pg/g 0.69 pg/g 3.1 pg/g 4.4 pg/g 4.5 pg/g	0.43J pg/g 0.47J pg/g 0.33J pg/g 0.48J pg/g 0.74J pg/g 0.87J pg/g 1.1J pg/g 0.46J pg/g 1.3J pg/g 1.5J pg/g 1.7J pg/g 0.69J pg/g 3.1J pg/g 4.4J pg/g 4.5J pg/g
440-220843-2	RISB-EJ-03-1.0-20180925	PCB 20/28 PCB 21/33 PCB 44/47//65 PCB 52 PCB 68	1.3 pg/g 0.60 pg/g 1.6 pg/g 1.8 pg/g 0.27 pg/g	1.3J pg/g 0.60J pg/g 1.6J pg/g 1.8J pg/g 0.27J pg/g
440-220843-2	RISB-EJ-03-10.0-20180925	PCB 18/30 PCB 20/28 PCB 21/33 PCB 31 PCB 44/47//65 PCB 52 PCB 61/70/74/76 PCB 66 PCB 110/115 PCB 129/138/163 PCB 180/193 PCB 194 PCB 207 Total Trichlorobiphenyls Total Tetrachlorobiphenyls Total Pentachlorobiphenyls Total Hexachlorobiphenyls Total Heptachlorobiphenyl Total Octachlorobiphenyls Total Nonachlorobiphenyls	0.33 pg/g 0.45 pg/g 0.22 pg/g 0.36 pg/g 0.53 pg/g 0.50 pg/g 0.70 pg/g 0.37 pg/g 1.0 pg/g 0.65 pg/g 0.28 pg/g 0.12 pg/g 0.28 pg/g 1.5 pg/g 3.1 pg/g 1.5 pg/g 1.5 pg/g 0.62 pg/g 0.19 pg/g 0.51 pg/g	0.33J pg/g 0.45J pg/g 0.22J pg/g 0.36J pg/g 0.53J pg/g 0.50J pg/g 0.70J pg/g 0.37J pg/g 1.0J pg/g 0.65J pg/g 0.28J pg/g 0.12J pg/g 0.28J pg/g 1.5J pg/g 3.1J pg/g 1.5J pg/g 1.5J pg/g 0.62J pg/g 0.19J pg/g 0.51J pg/g

SDG	Sample	Compound	Reported Concentration	Modified Final Concentration
440-220843-2	RISB-ER-03-10.0-20180925	PCB 18/30 PCB 20/28 PCB 21/33 PCB 31 PCB 44/47//65 PCB 52 PCB 61/70/74/76 PCB 66 PCB 110/115 PCB 129/138/163 PCB 180/193 PCB 194 PCB 207 Total Trichlorobiphenyls Total Tetrachlorobiphenyls Total Pentachlorobiphenyls Total Hexachlorobiphenyls Total Heptachlorobiphenyl	0.50 pg/g 0.48 pg/g 0.22 pg/g 0.39 pg/g 0.68 pg/g 0.58 pg/g 0.73 pg/g 0.42 pg/g 1.1 pg/g 0.78 pg/g 0.26 pg/g 0.11 pg/g 0.78 pg/g 1.9 pg/g 3.0 pg/g 1.1 pg/g 2.3 pg/g 0.75 pg/g	0.50J pg/g 0.48J pg/g 0.22J pg/g 0.39J pg/g 0.68J pg/g 0.58J pg/g 0.73J pg/g 0.42J pg/g 1.1J pg/g 0.78J pg/g 0.26J pg/g 0.11J pg/g 0.78J pg/g 1.9J pg/g 3.0J pg/g 1.1J pg/g 2.3J pg/g 0.75J pg/g
440-220843-2	RISB-ER-01-1.0-20180925	PCB 44/47//65 PCB 52 PCB 68	2.4 pg/g 3.2 pg/g 0.41 pg/g	2.4J pg/g 3.2J pg/g 0.41J pg/g
440-220843-2	RISB-ER-01-10.0-20180925	PCB 18/30 PCB 20/28 PCB 21/33 PCB 31 PCB 44/47//65 PCB 52 PCB 61/70/74/76 PCB 66 PCB 110/115 PCB 118 PCB 129/138/163 PCB 180/193 PCB 189 PCB 194 PCB 202 PCB 207 Total Trichlorobiphenyls Total Tetrachlorobiphenyls Total Pentachlorobiphenyls Total Hexachlorobiphenyls	0.49 pg/g 0.47 pg/g 0.27 pg/g 0.38 pg/g 0.9 pg/g 0.70 pg/g 0.77 pg/g 0.25 pg/g 1.2 pg/g 1.2 pg/g 0.81 pg/g 0.42 pg/g 0.17 pg/g 0.10 pg/g 0.18 pg/g 0.93 pg/g 2.3 pg/g 4.1 pg/g 4.5 pg/g 3.3 pg/g	0.49J pg/g 0.47J pg/g 0.27J pg/g 0.38J pg/g 0.9J pg/g 0.70J pg/g 0.77J pg/g 0.25J pg/g 1.2J pg/g 1.2J pg/g 0.81J pg/g 0.42J pg/g 0.17J pg/g 0.10J pg/g 0.18J pg/g 0.93J pg/g 2.3J pg/g 4.1J pg/g 4.5J pg/g 3.3J pg/g
440-220843-2	RISB-ER-03-1.0-20180925	PCB 20/28 PCB 21/33 PCB 31 PCB 41 PCB 44/47/65 PCB 49/69 PCB 52 PCB 54 PCB 56 PCB 61/70/74/76 PCB 64 PCB 66 PCB 68 PCB 90/101/113 PCB 95 PCB 110/115 Total Dichlorobiphenyls Total Tetrachlorobiphenyls	1.1 pg/g 0.62 pg/g 1.1 pg/g 0.18 pg/g 1.4 pg/g 0.71 pg/g 1.3 pg/g 0.11 pg/g 0.56 pg/g 2.3 pg/g 0.27 pg/g 1.1 pg/g 0.32 pg/g 2.5 pg/g 1.3 pg/g 2.7 pg/g 3.9 pg/g 15 pg/g	1.1J pg/g 0.62J pg/g 1.1J pg/g 0.18J pg/g 1.4J pg/g 0.71J pg/g 1.3J pg/g 0.11J pg/g 0.56J pg/g 2.3J pg/g 0.27J pg/g 1.1J pg/g 0.32J pg/g 2.5J pg/g 1.3J pg/g 2.7J pg/g 3.9J pg/g 15J pg/g

SDG	Sample	Compound	Reported Concentration	Modified Final Concentration
440-220951-2	RISB-EJ-01-1.0-20180926	PCB 18/30 PCB 20/28 PCB 21/33 PCB 31 PCB 44/47/65 PCB 52 PCB 61/70/74/76 PCB 66 PCB 129/138/163	0.37 pg/g 0.45 pg/g 0.23 pg/g 0.47 pg/g 0.71 pg/g 0.90 pg/g 0.87 pg/g 0.33 pg/g 2.0 pg/g	0.37J pg/g 0.45J pg/g 0.23J pg/g 0.47J pg/g 0.71J pg/g 0.90J pg/g 0.87J pg/g 0.33J pg/g 2.0J pg/g
440-220951-2	RISB-EJ-01-10.0-20180926	PCB 18/30 PCB 20/28 PCB 21/33 PCB 31 PCB 44/47/65 PCB 52 PCB 61/70/74/76 PCB 66 PCB 129/138/163 PCB 180/193 PCB 194 PCB 207 Total Trichlorobiphenyls Total Tetrachlorobiphenyls Total Hexachlorobiphenyls Total Heptachlorobiphenyl Total Octachlorobiphenyls Total Nonachlorobiphenyls	0.34 pg/g 0.41 pg/g 0.30 pg/g 0.39 pg/g 0.67 pg/g 0.50 pg/g 0.59 pg/g 0.23 pg/g 0.66 pg/g 0.35 pg/g 0.096 pg/g 0.41 pg/g 2.0 pg/g 2.5 pg/g 2.0 pg/g 0.88 pg/g 0.46 pg/g 0.61 pg/g	0.34J pg/g 0.41J pg/g 0.30J pg/g 0.39J pg/g 0.67J pg/g 0.50J pg/g 0.59J pg/g 0.23J pg/g 0.66J pg/g 0.35J pg/g 0.096J pg/g 0.41J pg/g 2.0J pg/g 2.5J pg/g 2.0J pg/g 0.88J pg/g 0.46J pg/g 0.61J pg/g

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 with the following exceptions:

SDG	Spike ID (Associated Samples)	Compound	MS (%R) (Limits)	MSD (%R) (Limits)	Flag	A or P
440-220843-2	RISB-EJ-04-1.0-20180925MS/MSD (RISB-EJ-04-1.0-20180925)	PCB-118 Total Pentachlorobiphenyls	163 (50-150)	-	J+ (all detects) J+ (all detects)	A

For RISB-EJ-04-1.0-20180925MS/MSD (from SDG 440-220843-2), no data were qualified for PCB-209 percent recoveries (%R) outside the QC limits since the parent sample results were greater than 4X the spike concentration.

Relative percent differences (RPD) were within QC limits.

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 RISB-EJ-03-1.0-20180925 and RISB-EJ-03-1.0-20180925-FD were identified as field duplicates. No results were detected in any of the samples with the following exceptions:

SDG	Compound	Concentration (pg/g)		RPD (Limits)	Flag	A or P
		RISB-EJ-03-1.0-20180925	RISB-EJ-03-1.0-20180925-FD			
440-220843-2	PCB-1	1.2	79	194 (≤50)	NQ	-
	PCB-2	0.81	36	191 (≤50)	NQ	-
	PCB-3	1.5	89	193 (≤50)	NQ	-
	PCB-4	1.5	35	184 (≤50)	NQ	-
	PCB-5	20U	5.7	200 (≤50)	NQ	-
	PCB-6	20U	30	200 (≤50)	NQ	-
	PCB-7	20U	3.0	200 (≤50)	NQ	-
	PCB-8	20U	52	200 (≤50)	NQ	-
	PCB-9	20U	14	200 (≤50)	NQ	-
	PCB-10	20U	0.84	200 (≤50)	NQ	-
	PCB-11	2.8	7.7	93 (≤50)	NQ	-
	PCB-12/13	2.2	37	178 (≤50)	NQ	-
	PCB-15	4.5	30	148 (≤50)	NQ	-
	PCB-16	1.5	2.1	33 (≤50)	NQ	-
	PCB-17	0.21	1.1	136 (≤50)	NQ	-
PCB-18/30	1.5	3.7	85 (≤50)	NQ	-	

SDG	Compound	Concentration (pg/g)		RPD (Limits)	Flag	A or P
		RISB-EJ-03-1.0-20180925	RISB-EJ-03-1.0-20180925-FD			
440-220843-2	PCB-19	0.38	0.40	5 (≤50)	NQ	-
	PCB-20/28	1.3	5.8	127 (≤50)	NQ	-
	PCB-21/33	0.60	4.7	155 (≤50)	NQ	-
	PCB-22	1.5	4.1	93 (≤50)	NQ	-
	PCB-24	20U	0.35	200 (≤50)	NQ	-
	PCB-25	0.19	0.66	111 (≤50)	NQ	-
	PCB-26/29	0.51	2.2	125 (≤50)	NQ	-
	PCB-27	20U	0.19	200 (≤50)	NQ	-
	PCB-31	2.1	8.5	121 (≤50)	NQ	-
	PCB-32	0.18	0.74	122 (≤50)	NQ	-
	PCB-35	0.60	2.0	108 (≤50)	NQ	-
	PCB-36	0.29	0.55	62 (≤50)	NQ	-
	PCB-37	2.4	10	123 (≤50)	NQ	-
	PCB-39	0.63	0.84	29 (≤50)	NQ	-
	PCB-40/71	0.94	2.3	84 (≤50)	NQ	-
	PCB-41	0.17	20U	200 (≤50)	NQ	-
	PCB-42	0.30	1.1	114 (≤50)	NQ	-
	PCB-44/47/65	1.6	9.0	140 (≤50)	NQ	-
	PCB-45	0.19	0.45	81 (≤50)	NQ	-
	PCB-48	0.26	0.77	99 (≤50)	NQ	-
PCB-49/69	0.79	4.4	139 (≤50)	NQ	-	
PCB-50/53	0.16	0.65	121 (≤50)	NQ	-	

SDG	Compound	Concentration (pg/g)		RPD (Limits)	Flag	A or P
		RISB-EJ-03-1.0-20180925	RISB-EJ-03-1.0-20180925-FD			
440-220843-2	PCB-52	1.8	21	168 (≤50)	NQ	-
	PCB-54	0.29	20U	200 (≤50)	NQ	-
	PCB-55	0.19	0.40	71 (≤50)	NQ	-
	PCB-56	1.2	3.4	96 (≤50)	NQ	-
	PCB-57	20U	0.41	200 (≤50)	NQ	-
	PCB-59/62/75	0.48	1.0	70 (≤50)	NQ	-
	PCB-60	0.87	2.3	90 (≤50)	NQ	-
	PCB-61/70/74/76	4.7	18	117 (≤50)	NQ	-
	PCB-63	0.38	0.34	11 (≤50)	NQ	-
	PCB-64	0.68	2.7	120 (≤50)	NQ	-
	PCB-66	2.6	7.4	96 (≤50)	NQ	-
	PCB-67	0.31	0.57	59 (≤50)	NQ	-
	PCB-68	0.27	0.68	86 (≤50)	NQ	-
	PCB-72	0.29	0.82	95 (≤50)	NQ	-
	PCB-77	2.0	3.7	60 (≤50)	J (all detects)	A
	PCB-78	0.37	0.79	72 (≤50)	NQ	-
	PCB-79	0.91	2.3	87 (≤50)	NQ	-
	PCB-80	0.41	0.82	67 (≤50)	NQ	-
	PCB-81	0.75	1.7	78 (≤50)	NQ	-
	PCB-82	1.1	7.1	146 (≤50)	NQ	-
PCB-83	20U	3.7	200 (≤50)	NQ	-	
PCB-84	20U	13	200 (≤50)	NQ	-	

SDG	Compound	Concentration (pg/g)		RPD (Limits)	Flag	A or P
		RISB-EJ-03-1.0-20180925	RISB-EJ-03-1.0-20180925-FD			
440-220843-2	PCB-85/116/117	3.0	11	114 (≤50)	NQ	-
	PCB-86/87/97/108/119/125	5.8	37	146 (≤50)	NQ	-
	PCB-88/91	41U	5.1	200 (≤50)	NQ	-
	PCB-90/101/113	5.7	48	158 (≤50)	NQ	-
	PCB-92	0.93	9.3	164 (≤50)	NQ	-
	PCB-95	2.7	40	175 (≤50)	NQ	-
	PCB-96	20U	0.42	200 (≤50)	NQ	-
	PCB-99	2.2	15	149 (≤50)	NQ	-
	PCB-104	0.35	20U	200 (≤50)	NQ	-
	PCB-105	5.0	19	117 (≤50)	NQ	-
	PCB-106	1.6	3.1	64 (≤50)	NQ	-
	PCB-107/124	1.1	2.9	90 (≤50)	NQ	-
	PCB-109	1.3	5.5	124 (≤50)	NQ	-
	PCB-110/115	8.1	60	152 (≤50)	NQ	-
	PCB-111	0.86	20U	200 (≤50)	NQ	-
	PCB-114	1.1	3.3	100 (≤50)	NQ	-
	PCB-118	10	49	132 (≤50)	J (all detects)	A
	PCB-120	0.67	2.4	113 (≤50)	NQ	-
	PCB-123	0.58	2.0U	200 (≤50)	NQ	-
	PCB-126	1.2	2.0U	200 (≤50)	NQ	-
PCB-128/166	3.3	12	114 (≤50)	NQ	-	
PCB-129/138/163	13	59	128 (≤50)	NQ	-	

SDG	Compound	Concentration (pg/g)		RPD (Limits)	Flag	A or P
		RISB-EJ-03-1.0-20180925	RISB-EJ-03-1.0-20180925-FD			
440-220843-2	PCB-130	2.3	5.5	82 (≤50)	NQ	-
	PCB-132	2.8	18	146 (≤50)	NQ	-
	PCB-133	1.1	1.9	53 (≤50)	NQ	-
	PCB-134/143	41U	3.9	200 (≤50)	NQ	-
	PCB-135/151	3.8	15	119 (≤50)	NQ	-
	PCB-136	0.80	5.6	150 (≤50)	NQ	-
	PCB-137	0.69	5.4	155 (≤50)	NQ	-
	PCB-139/140	1.1	2.4	74 (≤50)	NQ	-
	PCB-141	4.4	12	93 (≤50)	NQ	-
	PCB-144	1.2	3.3	93 (≤50)	NQ	-
	PCB-146	4.1	11	91 (≤50)	NQ	-
	PCB-147/149	7.1	36	134 (≤50)	NQ	-
	PCB-148	0.80	20U	200 (≤50)	NQ	-
	PCB-150	0.40	20U	200 (≤50)	NQ	-
	PCB-153/168	10	38	117 (≤50)	NQ	-
	PCB-155	0.47	20U	200 (≤50)	NQ	-
	PCB-156/157	3.9	13	108 (≤50)	NQ	-
	PCB-158	2.4	8.5	112 (≤50)	NQ	-
	PCB-159	1.5	3.0	67 (≤50)	NQ	-
	PCB-160	1.1	2.2	67 (≤50)	NQ	-
PCB-161	0.80	1.2	40 (≤50)	NQ	-	
PCB-162	1.4	3.0	73 (≤50)	NQ	-	

SDG	Compound	Concentration (pg/g)		RPD (Limits)	Flag	A or P
		RISB-EJ-03-1.0-20180925	RISB-EJ-03-1.0-20180925-FD			
440-220843-2	PCB-164	2.6	4.8	59 (≤50)	NQ	-
	PCB-167	2.8	6.9	85 (≤50)	J (all detects)	A
	PCB-169	0.61	0.94	43 (≤50)	NQ	-
	PCB-170	5.3	13	84 (≤50)	NQ	-
	PCB-171/173	5.2	12	79 (≤50)	NQ	-
	PCB-172	4.3	9.3	74 (≤50)	NQ	-
	PCB-174	5.2	12	79 (≤50)	NQ	-
	PCB-175	3.9	6.6	51 (≤50)	NQ	-
	PCB-176	2.4	4.4	59 (≤50)	NQ	-
	PCB-177	2.7	7.2	91 (≤50)	NQ	-
	PCB-178	2.9	5.6	64 (≤50)	NQ	-
	PCB-179	2.4	4.8	67 (≤50)	NQ	-
	PCB-180/193	15	33	75 (≤50)	NQ	-
	PCB-181	1.0	1.9	62 (≤50)	NQ	-
	PCB-182	2.0	4.1	69 (≤50)	NQ	-
	PCB-183	5.6	13	80 (≤50)	NQ	-
	PCB-184	3.6	6.4	56 (≤50)	NQ	-
	PCB-185	1.2	2.3	63 (≤50)	NQ	-
	PCB-186	0.38	0.86	77 (≤50)	NQ	-
	PCB-187	7.0	15	73 (≤50)	NQ	-
PCB-188	2.5	4.4	55 (≤50)	NQ	-	
PCB-189	3.7	7.3	65 (≤50)	J (all detects)	A	

SDG	Compound	Concentration (pg/g)		RPD (Limits)	Flag	A or P
		RISB-EJ-03-1.0-20180925	RISB-EJ-03-1.0-20180925-FD			
440-220843-2	PCB-190	2.0	4.4	75 (≤50)	NQ	-
	PCB-191	1.4	3.4	83 (≤50)	NQ	-
	PCB-192	2.8	2.5	11 (≤50)	NQ	-
	PCB-194	8.2	17	70 (≤50)	NQ	-
	PCB-195	3.4	7.1	70 (≤50)	NQ	-
	PCB-196	13	27	70 (≤50)	NQ	-
	PCB-197	11	21	63 (≤50)	NQ	-
	PCB-198/199	17	34	67 (≤50)	NQ	-
	PCB-200	3.7	6.4	53 (≤50)	NQ	-
	PCB-201	12	24	67 (≤50)	NQ	-
	PCB-202	6.8	13	63 (≤50)	NQ	-
	PCB-203	7.0	14	67 (≤50)	NQ	-
	PCB-204	6.1	12	65 (≤50)	NQ	-
	PCB-205	6.4	11	53 (≤50)	NQ	-
	PCB-206	64	120	61 (≤50)	J (all detects)	A
	PCB-207	87	160	59 (≤50)	J (all detects)	A
	PCB-208	64	120	61 (≤50)	J (all detects)	A
PCB-209	720	1300	57 (≤50)	J (all detects)	A	

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

X. Labeled Compounds

All percent recoveries (%R) for labeled compounds used to quantitate target compounds were within QC limits.

XI. Compound Quantitation

All compound quantitations were within validation criteria with the following exceptions:

SDG	Sample	Compound	Flag	A or P
440-220771-2	All samples in SDG 440-220771-2	Results flagged as "q" were reported as estimated maximum possible concentration (EMPC).	J (all detects)	A
440-220843-2	RISB-EJ-04-10.0-20180925 RISB-EJ-03-1.0-20180925 RISB-EJ-03-1.0-20180925-FD RISB-EJ-03-10.0-20180925 RISB-ER-03-1.0-20180925 RISB-ER-03-10.0-20180925 RISB-ER-01-1.0-20180925 RISB-ER-01-10.0-20180925	Results flagged as "q" were reported as estimated maximum possible concentration (EMPC).	J (all detects)	A
440-220951-2	All samples in SDG 440-220951-2	Results flagged as "q" were reported as estimated maximum possible concentration (EMPC).	J (all detects)	A

SDG	Sample	Compound	Finding	Criteria	Flag	A or P
440-220771-2	RISB-EJ-02-1.0-20180924	PCB-209	Sample result exceeded calibration range.	Reported result should be within calibration range.	J (all detects)	P
440-220843-2	RISB-EJ-04-1.0-20180925	PCB-209	Sample result exceeded calibration range.	Reported result should be within calibration range.	J (all detects)	P

Raw data were not reviewed for Stage 2B validation.

XII. Target Compound Identification

Raw data were not reviewed for Stage 2B validation.

XIII. System Performance

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 MS/MSD %R, field duplicate RPD, results reported by the laboratory as EMPCs, and exceeding calibration range, data were qualified as estimated in fifteen samples.

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

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 RI, Phase 2, March 2018 through March 2019
 Polychlorinated Biphenyls as Congeners - Data Qualification Summary - SDGs
 440-220771-2, 440-220843-2, 440-220951-2**

SDG	Sample	Compound	Flag	A or P	Reason (Code)
440-220843-2	RISB-EJ-04-1.0-20180925	PCB-118 Total Pentachlorobiphenyls	J+ (all detects) J+ (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-220843-2	RISB-EJ-03-1.0-20180925 RISB-EJ-03-1.0-20180925-FD	PCB-77 PCB-118 PCB-167 PCB-189 PCB-206 PCB-207 PCB-208 PCB-209 Total Tetrachlorobiphenyls Total Pentachlorobiphenyls Total Hexachlorobiphenyls Total Heptachlorobiphenyl Total Nonachlorobiphenyls	J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects)	A	Field duplicates (RPD) (fd)
440-220771-2	RISB-ER-02-1.0-20180924 RISB-ER-02-10.0-20180924 RISB-EJ-02-1.0-20180924 RISB-EJ-02-10.0-20180924	Results flagged as "q" were reported as estimated maximum possible concentration (EMPC).	J (all detects)	A	Compound quantitation (EMPC) (k)
440-220843-2	RISB-EJ-04-10.0-20180925 RISB-EJ-03-1.0-20180925 RISB-EJ-03-1.0-20180925-FD RISB-EJ-03-10.0-20180925 RISB-ER-03-1.0-20180925 RISB-ER-03-10.0-20180925 RISB-ER-01-1.0-20180925 RISB-ER-01-10.0-20180925	Results flagged as "q" were reported as estimated maximum possible concentration (EMPC).	J (all detects)	A	Compound quantitation (EMPC) (k)
440-220951-2	RISB-EJ-01-1.0-20180926 RISB-EJ-01-10.0-20180926	Results flagged as "q" were reported as estimated maximum possible concentration (EMPC).	J (all detects)	A	Compound quantitation (EMPC) (k)
440-220771-2	RISB-EJ-02-1.0-20180924	PCB-209	J (all detects)	P	Compound quantitation (exceeded range) (e)
440-220843-2	RISB-EJ-04-1.0-20180925	PCB-209	J (all detects)	P	Compound quantitation (exceeded range) (e)

**NERT RI, Phase 2, March 2018 through March 2019
 Polychlorinated Biphenyls as Congeners - Laboratory Blank Data Qualification
 Summary - SDGs 440-220771-2, 440-220843-2, 440-220951-2**

SDG	Sample	Compound	Modified Final Concentration	A or P	Code
440-220771-2	RISB-ER-02-1.0-20180924	PCB 20/28 PCB 44/47/65 PCB 49/69 PCB 52	1.3J pg/g 1.1J pg/g 0.53J pg/g 1.2J pg/g	A	bl
440-220771-2	RISB-ER-02-10.0-20180924	PCB 20/28 PCB 31 PCB 40/71 PCB 44/47/65 PCB 49/69 PCB 52 PCB 61/70/74/76 PCB 66 PCB 129/138/163 PCB 146 PCB 147/149 PCB 153/168 PCB 155 PCB 156/157 PCB 170 PCB 180/193 PCB 183 PCB 194 PCB 202 Total Trichlorobiphenyls Total Tetrachlorobiphenyls Total Heptachlorobiphenyl	0.36J pg/g 0.24J pg/g 0.12J pg/g 0.47J pg/g 0.13J pg/g 0.35J pg/g 0.36J pg/g 0.14J pg/g 0.33J pg/g 0.073J pg/g 0.26J pg/g 0.25J pg/g 0.15J pg/g 0.26J pg/g 0.094J pg/g 0.34J pg/g 0.12J pg/g 0.11J pg/g 0.15J pg/g 1.6J pg/g 2.5J pg/g 1.2J pg/g	A	bl
440-220771-2	RISB-EJ-02-10.0-20180924	PCB 20/28 PCB 31 PCB 40/71 PCB 44/47/65 PCB 49/69 PCB 52 PCB 56 PCB 60 PCB 61/70/74/76 PCB 66 Total Tetrachlorobiphenyls	0.67J pg/g 0.67J pg/g 0.33J pg/g 0.65J pg/g 0.27J pg/g 0.78J pg/g 0.36J pg/g 0.12J pg/g 1.1J pg/g 0.52J pg/g 6.2J pg/g	A	bl
440-220843-2	RISB-EJ-04-10.0-20180925	PCB 18/30 PCB 20/28 PCB 21/33 PCB 31 PCB 44/47//65 PCB 52 PCB 61/70/74/76 PCB 66 PCB 110/115 PCB 118 PCB 129/138/163 PCB 180/193 Total Trichlorobiphenyls Total Tetrachlorobiphenyls Total Pentachlorobiphenyls	0.43J pg/g 0.47J pg/g 0.33J pg/g 0.48J pg/g 0.74J pg/g 0.87J pg/g 1.1J pg/g 0.46J pg/g 1.3J pg/g 1.5J pg/g 1.7J pg/g 0.69J pg/g 3.1J pg/g 4.4J pg/g 4.5J pg/g	A	bl

SDG	Sample	Compound	Modified Final Concentration	A or P	Code
440-220843-2	RISB-EJ-03-1.0-20180925	PCB 20/28 PCB 21/33 PCB 44/47//65 PCB 52 PCB 68	1.3J pg/g 0.60J pg/g 1.6J pg/g 1.8J pg/g 0.27J pg/g	A	bl
440-220843-2	RISB-EJ-03-10.0-20180925	PCB 18/30 PCB 20/28 PCB 21/33 PCB 31 PCB 44/47//65 PCB 52 PCB 61/70/74/76 PCB 66 PCB 110/115 PCB 129/138/163 PCB 180/193 PCB 194 PCB 207 Total Trichlorobiphenyls Total Tetrachlorobiphenyls Total Pentachlorobiphenyls Total Hexachlorobiphenyls Total Heptachlorobiphenyl Total Octachlorobiphenyls Total Nonachlorobiphenyls	0.33J pg/g 0.45J pg/g 0.22J pg/g 0.36J pg/g 0.53J pg/g 0.50J pg/g 0.70J pg/g 0.37J pg/g 1.0J pg/g 0.65J pg/g 0.28J pg/g 0.12J pg/g 0.28J pg/g 1.5J pg/g 3.1J pg/g 1.5J pg/g 1.5J pg/g 0.62J pg/g 0.19J pg/g 0.51J pg/g	A	bl
440-220843-2	RISB-ER-03-10.0-20180925	PCB 18/30 PCB 20/28 PCB 21/33 PCB 31 PCB 44/47//65 PCB 52 PCB 61/70/74/76 PCB 66 PCB 110/115 PCB 129/138/163 PCB 180/193 PCB 194 PCB 207 Total Trichlorobiphenyls Total Tetrachlorobiphenyls Total Pentachlorobiphenyls Total Hexachlorobiphenyls Total Heptachlorobiphenyl	0.50J pg/g 0.48J pg/g 0.22J pg/g 0.39J pg/g 0.68J pg/g 0.58J pg/g 0.73J pg/g 0.42J pg/g 1.1J pg/g 0.78J pg/g 0.26J pg/g 0.11J pg/g 0.78J pg/g 1.9J pg/g 3.0J pg/g 1.1J pg/g 2.3J pg/g 0.75J pg/g	A	bl
440-220843-2	RISB-ER-01-1.0-20180925	PCB 44/47//65 PCB 52 PCB 68	2.4J pg/g 3.2J pg/g 0.41J pg/g	A	bl

SDG	Sample	Compound	Modified Final Concentration	A or P	Code
440-220843-2	RISB-ER-01-10.0-20180925	PCB 18/30 PCB 20/28 PCB 21/33 PCB 31 PCB 44/47/65 PCB 52 PCB 61/70/74/76 PCB 66 PCB 110/115 PCB 118 PCB 129/138/163 PCB 180/193 PCB 189 PCB 194 PCB 202 PCB 207 Total Trichlorobiphenyls Total Tetrachlorobiphenyls Total Pentachlorobiphenyls Total Hexachlorobiphenyls	0.49J pg/g 0.47J pg/g 0.27J pg/g 0.38J pg/g 0.9J pg/g 0.70J pg/g 0.77J pg/g 0.25J pg/g 1.2J pg/g 1.2J pg/g 0.81J pg/g 0.42J pg/g 0.17J pg/g 0.10J pg/g 0.18J pg/g 0.93J pg/g 2.3J pg/g 4.1J pg/g 4.5J pg/g 3.3J pg/g	A	bl
440-220843-2	RISB-ER-03-1.0-20180925	PCB 20/28 PCB 21/33 PCB 31 PCB 41 PCB 44/47/65 PCB 49/69 PCB 52 PCB 54 PCB 56 PCB 61/70/74/76 PCB 64 PCB 66 PCB 68 PCB 90/101/113 PCB 95 PCB 110/115 Total Dichlorobiphenyl Total Tetrachlorobiphenyl	1.1J pg/g 0.62J pg/g 1.1J pg/g 0.18J pg/g 1.4J pg/g 0.71J pg/g 1.3J pg/g 0.11J pg/g 0.56J pg/g 2.3J pg/g 0.27J pg/g 1.1J pg/g 0.32J pg/g 2.5J pg/g 1.3J pg/g 2.7J pg/g 3.9J pg/g 15J pg/g	A	bl
440-220951-2	RISB-EJ-01-1.0-20180926	PCB 18/30 PCB 20/28 PCB 21/33 PCB 31 PCB 44/47/65 PCB 52 PCB 61/70/74/76 PCB 66 PCB 129/138/163	0.37J pg/g 0.45J pg/g 0.23J pg/g 0.47J pg/g 0.71J pg/g 0.90J pg/g 0.87J pg/g 0.33J pg/g 2.0J pg/g	A	bl

SDG	Sample	Compound	Modified Final Concentration	A or P	Code
440-220951-2	RISB-EJ-01-10.0-20180926	PCB 18/30	0.34J pg/g	A	bl
		PCB 20/28	0.41J pg/g		
		PCB 21/33	0.30J pg/g		
		PCB 31	0.39J pg/g		
		PCB 44/47/65	0.67J pg/g		
		PCB 52	0.50J pg/g		
		PCB 61/70/74/76	0.59J pg/g		
		PCB 66	0.23J pg/g		
		PCB 129/138/163	0.66J pg/g		
		PCB 180/193	0.35J pg/g		
		PCB 194	0.096J pg/g		
		PCB 207	0.41J pg/g		
		Total Trichlorobiphenyls	2.0J pg/g		
		Total Tetrachlorobiphenyls	2.5J pg/g		
		Total Hexachlorobiphenyls	2.0J pg/g		
		Total Heptachlorobiphenyl	0.88J pg/g		
		Total Octachlorobiphenyls	0.46J pg/g		
		Total Nonachlorobiphenyls	0.61J pg/g		

**NERT RI, Phase 2, March 2018 through March 2019
Polychlorinated Biphenyls as Congeners - Field Blank Data Qualification
Summary - SDGs 440-220771-2, 440-220843-2, 440-220951-2**

No Sample Data Qualified in these SDGs

ATTACHMENT M
Metals DVR

Aluminum, Antimony, Arsenic, Barium, Boron, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Molybdenum, Nickel, Niobium, Phosphorus, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tungsten, Uranium, Vanadium, and Zirconium by Environmental Protection Agency (EPA) SW 846 Methods 6010B/6020/6020A and EPA Methods 200.7/200.8 Mercury by EPA SW 846 Method 7471A

I. Sample Receipt and Technical Holding Times

All samples were received in good condition.

All technical holding time requirements were met.

II. Instrument Calibration

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

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

SDG	Date	Lab. Reference/ID	Analyte	%R (Limits)	Associated Samples	Flag	A or P
440-228226-1	12/29/18	CRI (10:20)	Silver	64 (70-130)	RISB-5-23.0-20181218 RISB-5-23.0-20181218-FD	UJ (all non-detects)	P

Although the low level check standard exceeded QC limits for lead, no data was qualified since all results were greater than 2x the reporting limit.

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

III. ICP Interference Check Sample Analysis

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

For samples RIDB-35-1-20181212**, RIDB-35-5-20181212**, RIDB-35-10-20181212**, RIDB-35-20-20181212**, RIDB-35-30-20181212**, RIDB-34-1-20181212**, and RIDB-34-5-20181212** (all from SDG 440-227549-1), no data were qualified for manganese results since the concentrations were greater than 10 times the concentrations found in the ICSA solution.

ICP Interference check sample (ICS) analysis 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 with the following exceptions:

SDG	Blank ID	Analyte	Maximum Concentration	Associated Samples
440-212325-1	PB (prep blank)	Sodium	0.410 mg/L	All samples in SDG 440-212325-1
440-212422-1	PB (prep blank)	Iron	0.0571 mg/L	All samples in SDG 440-212422-1
440-220771-1	ICB/CCB	Magnesium	0.0102 mg/L	All samples in SDG 440-220771-1
440-220843-1	ICB/CCB	Magnesium	0.0101 mg/L	All samples in SDG 440-220843-1
440-227549-1	ICB/CCB	Magnesium	0.0511 mg/L	RIDB-35-10-20181212** RIDB-35-20-20181212** RIDB-35-30-20181212** RIDB-34-1-20181212** RIDB-34-5-20181212**
440-234338-1	PB (prep blank)	Sodium	0.941 mg/L	All samples in SDG 440-234338-1
440-235977-1	PB (prep blank)	Potassium	0.256 mg/L	All samples in SDG 440-235977-1
440-236091-1	PB (prep blank)	Potassium Sodium	0.256 mg/L 0.396 mg/L	All samples in SDG 440-236091-1

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.

V. Field Blanks

Samples PC-156A-20180530-EBF* (from SDG 440-212422-1), EB-20181116 (from SDG 440-224653-1), and M-271-20190221_EB (from SDG 440-234338-1), were identified as equipment blanks. No contaminants were found with the following exceptions:

SDG	Blank ID	Collection Date	Analyte	Concentration	Associated Samples
440-224653-1	EB-20181116	11/16/18	Aluminum Calcium Iron Magnesium Sodium	0.13 mg/L 0.79 mg/L 0.068 mg/L 0.058 mg/L 1.7 mg/L	PC-156B-20181116 PC-156A-20181116
440-234338-1	M-271-20190221_EB	02/21/19	Calcium Magnesium	0.16 mg/L 0.016 mg/L	M-271-20190221

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
440-224653-1	PC-156B-20181116	Aluminum Iron	0.056 mg/L 0.052 mg/L	0.056J mg/L 0.052J mg/L

VI. Matrix Spike/Matrix Spike Duplicates

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

SDG	Spike ID (Associated Samples)	Analyte	MS (%R) (Limits)	MSD (%R) (Limits)	Flag	A or P
440-207516-1	PC-170R-20180329MS/MSD* (PC-40R-20180329*)	Aluminum Iron	191 (70-130) 134 (70-130)	174 (70-130) -	J+ (all detects) J+ (all detects)	A
440-207516-1	PC-170R-20180329MS/MSD* (PC-170R-20180329* PC-187R-20180329* MC-65R2-20180329* MC-MW-37R2-20180329*)	Aluminum Iron	191 (70-130) 134 (70-130)	174 (70-130) -	NA	-
440-207516-1	PC-170R-20180329MS/MSD* (PC-170R-20180329* PC-40R-20180329* PC-187R-20180329* MC-65R2-20180329* MC-MW-37R2-20180329*)	Boron	168 (70-130)	-	J+ (all detects)	A
440-207516-1	PC-170R-20180329FMS/MSD* (PC-170R-20180329F* PC-40R-20180329F* PC-187R-20180329F* MC-65R2-20180329F* MC-MW-37R2-20180329F*)	Aluminum	-	64 (70-130)	UJ (all non-detects)	A

SDG	Spike ID (Associated Samples)	Analyte	MS (%R) (Limits)	MSD (%R) (Limits)	Flag	A or P
440-220771-1	RISB-ER-02-1.0-20180924MS/MSD (All samples in SDG 440-220771-1)	Barium Strontium	126 (75-125) 133 (75-125)	172 (75-125) -	J+ (all detects) J+ (all detects)	A
440-220771-1	RISB-ER-02-1.0-20180924MS/MSD (All samples in SDG 440-220771-1)	Tungsten Antimony	64 (75-125) 75 (80-120)	72 (75-125) -	J- (all detects) UJ (all non-detects) J- (all detects) UJ (all non-detects)	A
440-220843-1	RISB-EJ-04-1.0-20180925MS/MSD (All samples in SDG 440-220843-1)	Barium Vanadium	140 (75-125) 127 (75-125)	133 (75-125) -	J+ (all detects) J+ (all detects)	A
440-220843-1	RISB-EJ-04-1.0-20180925MS/MSD (All samples in SDG 440-220843-1)	Tungsten Antimony Mercury	68 (75-125) 74 (80-120) -	68 (75-125) 76 (80-120) 62 (70-130)	J- (all detects) UJ (all non-detects)	A
440-227549-1	RIDB-35-80-20181212MS/MSD** (RIDB-35-1-20181212** RIDB-35-5-20181212** RIDB-35-10-20181212** RIDB-35-20-20181212** RIDB-35-30-20181212** RIDB-34-1-20181212** RIDB-34-5-20181212**)	Barium Manganese	156 (75-125) 462 (75-125)	- 220 (75-125)	J+ (all detects) J+ (all detects)	A
440-227549-1	RIDB-35-80-20181212MS/MSD** (RIDB-35-1-20181212** RIDB-35-5-20181212** RIDB-35-10-20181212** RIDB-35-20-20181212** RIDB-35-30-20181212** RIDB-34-1-20181212** RIDB-34-5-20181212**)	Tungsten	45 (75-125)	42 (75-125)	UJ (all non-detects)	A
440-227679-1	RIDB-34-50-20181213MS/MSD (RIDB-34-10-20181213 RIDB-34-20-20181213 RIDB-34-30-20181213 RIDB-36-1-20181213 RIDB-36-5-20181213 RIDB-36-10-20181213 RIDB-36-20-20181213)	Barium Manganese Phosphorus Strontium	145 (75-125) 144 (75-125) 156 (75-125) 150 (75-125)	- 146 (75-125) 156 (75-125) 147 (75-125)	J+ (all detects) J+ (all detects) J+ (all detects) J+ (all detects)	A
440-227679-1	RIDB-34-50-20181213MS/MSD (RIDB-34-10-20181213 RIDB-34-20-20181213 RIDB-34-30-20181213 RIDB-36-1-20181213 RIDB-36-5-20181213 RIDB-36-10-20181213 RIDB-36-20-20181213)	Tungsten	61 (75-125)	63 (75-125)	UJ (all non-detects)	A
440-227679-1	RIDB-34-120-20181213MS/MSD (RIDB-36-30-20181213)	Boron	-33 (75-125)	-26 (75-125)	J- (all detects)	A
440-227679-1	RIDB-34-120-20181213MS/MSD (RIDB-36-30-20181213)	Tungsten	48 (75-125)	49 (75-125)	UJ (all non-detects)	A

SDG	Spike ID (Associated Samples)	Analyte	MS (%R) (Limits)	MSD (%R) (Limits)	Flag	A or P
440-228226-1	RISB-4-15.0-20181218MS/MSD (RISB-3-15.0-20181218 RISB-3-20.0-20181218 RISB-3-20.0-20181218-FD RISB-3-25.0-20181218** RISB-3-30.0-20181218 RISB-3-32.0-20181218 RISB-4-0.5-20181218 RISB-4-5.0-20181218 RISB-4-10.0-20181218 RISB-4-15.0-20181218 RISB-4-20.0-20181218 RISB-4-25.0-20181218 RISB-4-30.0-20181218 RISB-4-25.5-20181218 RISB-4-27.5-20181218 RISB-5-0.5-20181218 RISB-5-0.5-20181218-FD RISB-5-5.0-20181218 RISB-5-10.0-20181218 RISB-5-15.0-20181218)	Sulfur	127 (80-120)	-	J+ (all detects)	A
440-228226-1	RISB-4-15.0-20181218MS/MSD (RISB-2-25.0-20181218 RISB-4-15.0-20181218)	Tungsten	62 (75-125)	67 (75-125)	UJ (all non-detects)	A
440-228226-1	RISB-2-25.0-20181218MS/MSD (RISB-2-25.0-20181218 RISB-4-15.0-20181218)	Barium	138 (75-125)	149 (75-125)	J+ (all detects)	A
440-228226-1	RISB-2-25.0-20181218MS/MSD (RISB-2-25.0-20181218 RISB-4-15.0-20181218)	Manganese	66 (75-125)	-	J- (all detects)	A
440-228226-1	RISB-2-25.0-20181218MS/MSD (RISB-2-25.0-20181218 RISB-4-15.0-20181218)	Tungsten	57 (75-125)	58 (75-125)	UJ (all non-detects)	A
440-228226-1	RISB-1-0.5-20181218MS/MSD (RISB-1-0.5-20181218** RISB-1-5.0-20181218 RISB-1-10.0-20181218** RISB-1-15.0-20181218 RISB-1-20.0-20181218 RISB-1-25.0-20181218 RISB-1-30.0-20181218 RISB-1-32.0-20181218 RISB-2-0.5-20181218 RISB-2-5.0-20181218** RISB-2-10.0-20181218 RISB-2-10.0-20181218-FD RISB-2-15.0-20181218** RISB-2-20.0-20181218 RISB-2-30.0-20181218 RISB-2-32.0-20181218 RISB-3-0.5-20181218 RISB-3-5.0-20181218 RISB-3-10.0-20181218** RISB-3-15.0-20181218)	Strontium	157 (75-125)	136 (75-125)	J+ (all detects)	A

SDG	Spike ID (Associated Samples)	Analyte	MS (%R) (Limits)	MSD (%R) (Limits)	Flag	A or P
440-228226-1	RISB-1-0.5-20181218MS/MSD (RISB-1-0.5-20181218** RISB-1-5.0-20181218 RISB-1-10.0-20181218** RISB-1-15.0-20181218 RISB-1-20.0-20181218 RISB-1-25.0-20181218 RISB-1-30.0-20181218 RISB-1-32.0-20181218 RISB-2-0.5-20181218 RISB-2-5.0-20181218** RISB-2-10.0-20181218 RISB-2-10.0-20181218-FD RISB-2-15.0-20181218** RISB-2-20.0-20181218 RISB-2-30.0-20181218 RISB-2-32.0-20181218 RISB-3-0.5-20181218 RISB-3-5.0-20181218 RISB-3-10.0-20181218** RISB-3-15.0-20181218)	Tungsten	60 (75-125)	62 (75-125)	UJ (all non-detects)	A
440-228226-1	RISB-3-20.0-20181218MS/MSD (RISB-3-20.0-20181218 RISB-3-20.0-20181218-FD RISB-3-25.0-20181218** RISB-3-30.0-20181218 RISB-3-32.0-20181218 RISB-4-0.5-20181218 RISB-4-5.0-20181218 RISB-4-10.0-20181218 RISB-4-20.0-20181218 RISB-4-25.0-20181218 RISB-4-30.0-20181218 RISB-4-25.5-20181218 RISB-4-27.5-20181218 RISB-5-0.5-20181218 RISB-5-0.5-20181218-FD RISB-5-5.0-20181218 RISB-5-10.0-20181218 RISB-5-15.0-20181218 RISB-5-20.0-20181218 RISB-5-25.0-20181218)	Tungsten	68 (75-125)	70 (75-125)	UJ (all non-detects)	A
440-228226-1	RISB-5-23.0-20181218MS/MSD (RISB-5-23.0-20181218 RISB-5-23.0-20181218-FD)	Barium Manganese Strontium	- - 135 (75-125)	128 (75-125) 128 (75-125) 127 (75-125)	J+ (all detects) J+ (all detects) J+ (all detects)	A
440-228226-1	RISB-5-23.0-20181218MS/MSD (RISB-5-23.0-20181218 RISB-5-23.0-20181218-FD)	Tungsten	67 (75-125)	70 (75-125)	UJ (all non-detects)	A

SDG	Spike ID (Associated Samples)	Analyte	MS (%R) (Limits)	MSD (%R) (Limits)	Flag	A or P
440-228226-2	RISB-2-25.0-20181218MS/MSD (RISB-1-0.5-20181218 RISB-1-5.0-20181218 RISB-1-10.0-20181218 RISB-1-15.0-20181218 RISB-1-20.0-20181218 RISB-1-25.0-20181218 RISB-1-30.0-20181218 RISB-1-32.0-20181218 RISB-2-0.5-20181218 RISB-2-5.0-20181218 RISB-2-10.0-20181218 RISB-2-10.0-20181218-FD RISB-2-15.0-20181218 RISB-2-20.0-20181218 RISB-2-25.0-20181218 RISB-2-30.0-20181218 RISB-2-32.0-20181218 RISB-3-0.5-20181218 RISB-3-5.0-20181218 RISB-3-10.0-20181218)	Antimony	-	74 (75-125)	UJ (all non-detects)	A
440-228226-2	RISB-5-23.0-20181218-FDMS/MSD (RISB-5-23.0-20181218-FD)	Antimony	71 (75-125)	69 (75-125)	UJ (all non-detects)	A

For RISB-2-25.0-20181218MS/MSD and RISB-4-25.5-20181218MS/MSD (both from SDG 440-228226-2), no niobium data were qualified as a result of grossly exceeded MS/MSD %R (e.g., < 30%) or MS/MSD %R outside the QC limits since the MS/MSDs were analyzed at greater than or equal to 5X dilution. The laboratory indicated that dilution was performed due to the nature of the sample matrix. Consequently, the dilution put the spike level of Niobium below the PQL which then made the %Rs unreliable.

For PC-170R-20180329MS/MSD* (from SDG 440-207516-1), no data were qualified for calcium, magnesium, manganese, potassium, sodium, and strontium percent recoveries (%R) outside the QC limits since the parent sample results were greater than 4X the spike concentration.

For PC-170R-20180329FMS/MSD* (from SDG 440-207516-1), no data were qualified for calcium, manganese, sodium, and strontium percent recoveries (%R) outside the QC limits since the parent sample results were greater than 4X the spike concentration.

For PC-157A-20180529MS/MSD (from SDG 440-212325-1), no data were qualified for calcium, magnesium, sodium, and strontium percent recoveries (%R) outside the QC limits since the parent sample results were greater than 4X the spike concentration.

For PC-156A-20180530FMS/MSD (from SDG 440-212422-1), M-260-20181213MS/MSD* (from SDG 440-228167-1), M-271-20190221MS/MSD (from SDG 440-234338-1), no data were qualified for calcium, magnesium, and sodium percent recoveries (%R) outside the QC limits since the parent sample results were greater than 4X the spike concentration.

For RISB-ER-02-1.0-20180924MS/MSD (from SDG 440-220771-1), RISB-1-0.5-20181218MS/MSD (from SDG 440-228226-1), no data were qualified for iron, magnesium, manganese, and phosphorus percent recoveries (%R) outside the QC limits since the parent sample results were greater than 4X the spike concentration.

For RISB-EJ-04-1.0-20180925MS/MSD (from SDG 440-220843-1), RIDB-34-120-20181213MS/MSD (from SDG 440-227679-1), RISB-4-15.0-20181218MS/MSD (from SDG 440-228226-1), no data were qualified for iron, magnesium, manganese, phosphorus, and strontium percent recoveries (%R) outside the QC limits since the parent sample results were greater than 4X the spike concentration.

For PC-172D-20181114MS/MSD (from SDG 440-224426-1), no data were qualified for boron, calcium, magnesium, sodium, and strontium percent recoveries (%R) outside the QC limits since the parent sample results were greater than 4X the spike concentration.

For RIDB-35-80-20181212MS/MSD** (from SDG 440-227549-1), RISB-5-23.0-20181218MS/MSD (from SDG 440-228226-1), no data were qualified for iron, magnesium, and phosphorus percent recoveries outside the QC limits since the parent sample results were greater than 4X the spike concentration.

For RIDB-34-50-20181213MS/MSD (from SDG 440-227679-1), no data were qualified for iron and magnesium percent recoveries outside the QC limits since the parent sample results were greater than 4X the spike concentration.

For RISB-2-25.0-20181218MS/MSD and RISB-3-20.0-20181218MS/MSD (both from SDG 440-228226-1), no data were qualified for iron, magnesium, phosphorus, and strontium percent recoveries outside the QC limits since the parent sample results were greater than 4X the spike concentration.

For M-269-20190311MS/MSD (from SDG 440-235977-1), no data were qualified for boron, calcium, chromium, magnesium, sodium, and strontium percent recoveries (%R) outside the QC limits since the parent sample results were greater than 4X the spike concentration.

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

SDG	Spike ID (Associated Samples)	Analyte	RPD (Limits)	Flag	A or P
440-227549-1	RIDB-35-80-20181212MS/MSD** (RIDB-35-1-20181212** RIDB-35-5-20181212** RIDB-35-10-20181212** RIDB-35-20-20181212** RIDB-35-30-20181212** RIDB-34-1-20181212** RIDB-34-5-20181212**)	Barium Manganese	23 (≤20) 36 (≤20)	J (all detects) J (all detects)	A
440-228226-1	RISB-4-15.0-20181218MS/MSD (RISB-2-25.0-20181218 RISB-4-15.0-20181218)	Manganese	36 (≤20)	J (all detects)	A

SDG	Spike ID (Associated Samples)	Analyte	RPD (Limits)	Flag	A or P
440-228226-1	RISB-2-25.0-20181218MS/MSD (RISB-2-25.0-20181218 RISB-4-15.0-20181218)	Magnesium	22 (≤ 20)	J (all detects)	A
440-228226-1	RISB-3-20.0-20181218MS/MSD (RISB-3-20.0-20181218 RISB-3-20.0-20181218-FD RISB-3-25.0-20181218** RISB-3-30.0-20181218 RISB-3-32.0-20181218 RISB-4-0.5-20181218 RISB-4-5.0-20181218 RISB-4-10.0-20181218 RISB-4-20.0-20181218 RISB-4-25.0-20181218 RISB-4-30.0-20181218 RISB-4-25.5-20181218 RISB-4-27.5-20181218 RISB-5-0.5-20181218 RISB-5-0.5-20181218-FD RISB-5-5.0-20181218 RISB-5-10.0-20181218 RISB-5-15.0-20181218 RISB-5-20.0-20181218 RISB-5-25.0-20181218)	Strontium	24 (≤ 20)	J (all detects)	A

VII. Duplicate Sample Analysis

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

VIII. Serial Dilution

Serial dilution analysis was performed on an associated project sample for method 6010B. The analysis criteria were met with the following exceptions:

SDG	Diluted Sample	Analyte	%D (Limits)	Associated Samples	Flag	A or P
440-227679-1	RIDB-34-120-20181213	Phosphorus	11 (≤ 10)	RIDB-36-30-20181213	J (all detects)	A

SDG	Diluted Sample	Analyte	%D (Limits)	Associated Samples	Flag	A or P
440-228226-1	RISB-3-20.0-20181218	Barium Magnesium Manganese	12 (≤10) 13 (≤10) 12 (≤10)	RISB-3-20.0-20181218 RISB-3-20.0-20181218-FD RISB-3-25.0-20181218** RISB-3-30.0-20181218 RISB-3-32.0-20181218 RISB-4-0.5-20181218 RISB-4-5.0-20181218 RISB-4-10.0-20181218 RISB-4-20.0-20181218 RISB-4-25.0-20181218 RISB-4-30.0-20181218 RISB-4-25.5-20181218 RISB-4-27.5-20181218 RISB-5-0.5-20181218 RISB-5-0.5-20181218-FD RISB-5-5.0-20181218 RISB-5-10.0-20181218 RISB-5-15.0-20181218 RISB-5-20.0-20181218 RISB-5-25.0-20181218	J (all detects) J (all detects) J (all detects)	A

IX. Laboratory Control Samples/Standard Reference Material

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

Standard reference material (SRM) samples were analyzed as required by the methods. Percent recoveries (%R) were within QC limits.

X. Field Duplicates

Samples PCDB-6-70.0-20180328 and PCDB-6-70.0-20180328-FD (both from SDG 440-207465-1), samples PC-156B-20180530F* and PC-156B-20180530-FDF* (both from SDG 440-212422-1), samples RISB-EJ-03-1.0-20180925 and RISB-EJ-03-1.0-20180925-FD (both from SDG 440-220843-1), samples RIDB-30-130.0-20181009 and RIDB-30-130.0-20181009-FD (from SDG 440-221888-1), samples RIDB-31-140.0-20181010 and RIDB-31-140.0-20181010-FD, samples RIDB-32-80.0-20181010 and RIDB-32-80.0-20181010-FD (both from SDG 440-221976-1), samples RIDB-33-100.0-20181011 and RIDB-33-100.0-20181011-FD (from SDG 440-222098-1), samples PC-155A-20181115 and PC-155A-20181115-FD (both from SDG 440-224542-1), samples RIDB-35-100-20181212** and RIDB-35-100-20181212-FD** (both from SDG 440-227549-1), samples RIDB-34-70-20181213 and RIDB-34-70-20181213-FD (both from SDG 440-227679-1), samples RIDB-34-140-20181213 and RIDB-34-140-20181213-FD (both from SDG 440-227679-1), samples RIDB-36-120-20181214 and RIDB-36-120-20181214-FD (both from SDG 440-227911-1), samples RISB-2-10.0-20181218 and RISB-2-10.0-20181218-FD (both from SDG 440-228226-1), samples RISB-3-20.0-20181218 and RISB-3-20.0-20181218-FD (both from SDG 440-228226-1), samples RISB-5-0.5-20181218 and RISB-5-0.5-20181218-FD (both from SDG 440-228226-1), RISB-5-23.0-20181218 and RISB-5-23.0-20181218-FD (both from SDG 440-228226-1), samples RISB-2-10.0-20181218 and RISB-2-10.0-20181218-FD (both from SDG 440-228226-2), samples RISB-3-20.0-20181218 and RISB-3-20.0-20181218-FD (both from SDG 440-228226-2), samples RISB-5-0.5-20181218 and RISB-5-0.5-20181218-FD (both from SDG 440-228226-2), samples RISB-5-23.0-20181218 and RISB-5-23.0-20181218-FD (both from SDG 440-228226-2), samples M-270-20190221 and M-270-20190221_FD (both from SDG 440-234338-1), and samples M-262-20190314 and M-262-20190314-FD (both from SDG 440-236324-1) 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
		PCDB-6-70.0-20180328	PCDB-6-70.0-20180328-FD			
440-207465-1	Chromium	14	14	0 (≤30)	-	-

SDG	Analyte	Concentration (mg/L)		RPD (Limits)	Flag	A or P
		PC-156B-20180530F*	PC-156B-20180530-FDF*			
440-212422-1	Calcium	130	130	0 (≤30)	-	-
	Iron	0.52	0.31	51 (≤30)	J (all detects)	A
	Magnesium	60	59	2 (≤30)		
	Potassium	25	25	0 (≤30)	-	-

SDG	Analyte	Concentration (mg/L)		RPD (Limits)	Flag	A or P
		PC-156B-20180530F*	PC-156B-20180530-FDF*			
	Sodium	490	480	2 (≤30)	-	-

SDG	Analyte	Concentration (mg/Kg)		RPD (Limits)	Flag	A or P
		RISB-EJ-03-1.0-20180925	RISB-EJ-03-1.0-20180925-FD			
440-220843-1	Boron	8.5	6.4	28 (≤50)	-	-
	Arsenic	2.9	3.2	10 (≤50)	-	-
	Barium	160	200	22 (≤50)	-	-
	Cobalt	4.8	6.1	24 (≤50)	-	-
	Copper	14	17	19 (≤50)	-	-
	Iron	15000	16000	6 (≤50)	-	-
	Lead	8.0	8.1	1 (≤50)	-	-
	Magnesium	7100	7800	9 (≤50)	-	-
	Manganese	360	450	22 (≤50)	-	-
	Mercury	0.033	0.021	44 (≤50)	-	-
	Nickel	13	16	21 (≤50)	-	-
	Phosphorus	1000	1300	26 (≤50)	-	-
	Strontium	150	160	6 (≤50)	-	-
	Vanadium	44	53	19 (≤50)	-	-
Zirconium	16	18	12 (≤50)	-	-	

SDG	Analyte	Concentration (mg/Kg)		RPD (Limits)	Flag	A or P
		RIDB-30-130.0-20181009	RIDB-30-130.0-20181009-FD			
440-221888-1	Chromium	20	16	22 (≤50)	-	-

SDG	Analyte	Concentration (mg/Kg)		RPD (Limits)	Flag	A or P
		RIDB-31-140.0-20181010	RIDB-31-140.0-20181010-FD			
440-221976-1	Chromium	27	25	8 (≤50)	-	-

SDG	Analyte	Concentration (mg/Kg)		RPD (Limits)	Flag	A or P
		RIDB-32-80.0-20181010	RIDB-32-80.0-20181010-FD			
440-221976-1	Chromium	32	31	3 (≤50)	-	-

SDG	Analyte	Concentration (mg/Kg)		RPD (Limits)	Flag	A or P
		RIDB-33-100.0-20181011	RIDB-33-100.0-20181011-FD			
440-222098-1	Chromium	37	38	3 (≤50)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		PC-155A-20181115	PC-155A-20181115-FD			
440-224542-1	Aluminum	0.21 mg/L	0.46 mg/L	75 (≤30)	J (all detects)	A
	Boron	1.9 mg/L	1.8 mg/L	5 (≤30)	-	-
	Calcium	320 mg/L	300 mg/L	6 (≤30)	-	-
	Iron	0.17 mg/L	0.38 mg/L	76 (≤30)	J (all detects)	A
	Magnesium	140 mg/L	130 mg/L	7 (≤30)	-	-
	Manganese	1.3 mg/L	1.2 mg/L	8 (≤30)	-	-
	Potassium	30 mg/L	28 mg/L	7 (≤30)	-	-
	Sodium	490 mg/L	460 mg/L	6 (≤30)	-	-
	Strontium	6.9 mg/L	6.5 mg/L	6 (≤30)	-	-
	Vanadium	0.024 mg/L	0.023 mg/L	4 (≤30)	-	-
	Arsenic	68 ug/L	68 ug/L	0 (≤30)	-	-

SDG	Analyte	Concentration (mg/Kg)		RPD (Limits)	Flag	A or P
		RIDB-35-100-20181212**	RIDB-35-100-20181212-FD**			
440-227549-1	Chromium	47	40	16 (≤50)	-	-

SDG	Analyte	Concentration (mg/Kg)		RPD (Limits)	Flag	A or P
		RIDB-34-70-20181213	RIDB-34-70-20181213-FD			
440-227679-1	Chromium	45	51	13 (≤50)	-	-

SDG	Analyte	Concentration (mg/Kg)		RPD (Limits)	Flag	A or P
		RIDB-34-140-20181213	RIDB-34-140-20181213-FD			
440-227679-1	Chromium	22	22	0 (≤50)	-	-

SDG	Analyte	Concentration (mg/Kg)		RPD (Limits)	Flag	A or P
		RIDB-36-120-20181214	RIDB-36-120-20181214-FD			
440-227911-1	Chromium	43	45	5 (≤50)	-	-

SDG	Analyte	Concentration (mg/Kg)		RPD (Limits)	Flag	A or P
		RISB-2-10.0-20181218	RISB-2-10.0-20181218-FD			
440-228226-1	Barium	180	200	11 (≤50)	-	-
	Boron	19	18	5 (≤50)	-	-
	Chromium	15	15	0 (≤50)	-	-
	Cobalt	7.2	7.6	5 (≤50)	-	-
	Copper	18	17	6 (≤50)	-	-
	Iron	19000	18000	5 (≤50)	-	-
	Lead	8.3	8.0	4 (≤50)	-	-
	Magnesium	11000	11000	0 (≤50)	-	-
	Manganese	320	320	0 (≤50)	-	-
	Nickel	15	16	6 (≤50)	-	-
	Phosphorus	1100	1200	9 (≤50)	-	-
	Strontium	310	380	20 (≤50)	-	-
	Sulfur	110	150	31 (≤50)	-	-
	Vanadium	54	52	4 (≤50)	-	-
Zirconium	18	20	11 (≤50)	-	-	

SDG	Analyte	Concentration (mg/Kg)		RPD (Limits)	Flag	A or P
		RISB-3-20.0-20181218	RISB-3-20.0-20181218-FD			
440-228226-1	Barium	110	120	9 (≤50)	-	-
	Boron	9.8	8.2	18 (≤50)	-	-
	Chromium	13	11	17 (≤50)	-	-
	Cobalt	4.5	4.5	0 (≤50)	-	-
	Copper	13	14	7 (≤50)	-	-
	Iron	12000	11000	9 (≤50)	-	-
	Lead	6.2	6.6	6 (≤50)	-	-
	Magnesium	7100	7000	1 (≤50)	-	-
	Manganese	200	220	10 (≤50)	-	-
	Nickel	14	13	7 (≤50)	-	-
	Phosphorus	790	840	6 (≤50)	-	-
	Strontium	260	400	42 (≤50)	-	-
	Sulfur	120	120	0 (≤50)	-	-
	Vanadium	38	38	0 (≤50)	-	-
Zirconium	13	14	7 (≤50)	-	-	

SDG	Analyte	Concentration (mg/Kg)		RPD (Limits)	Flag	A or P
		RISB-5-0.5-20181218	RISB-5-0.5-20181218-FD			
440-228226-1	Barium	87	100	14 (≤50)	-	-
	Boron	11	10	10 (≤50)	-	-
	Cadmium	0.39	0.43	10 (≤50)	NQ	-
	Chromium	7.8	9.7	22 (≤50)	-	-
	Cobalt	2.4	3.4	34 (≤50)	-	-
	Copper	49	57	15 (≤50)	-	-
	Iron	20000	22000	10 (≤50)	-	-
	Lead	14	15	7 (≤50)	-	-
	Magnesium	1900	2300	19 (≤50)	-	-
	Manganese	220	270	20 (≤50)	-	-
	Mercury	0.012 U	0.015	22 (≤200)	NQ	-
	Molybdenum	2.5	3.2	25 (≤50)	-	-
	Nickel	3.7	4.6	22 (≤50)	-	-
	Phosphorus	390	410	5 (≤50)	-	-
	Strontium	79	89	12 (≤50)	-	-
	Sulfur	290	320	10 (≤50)	-	-
Vanadium	26	29	11 (≤50)	-	-	

SDG	Analyte	Concentration (mg/Kg)		RPD (Limits)	Flag	A or P
		RISB-5-23.0-20181218	RISB-5-23.0-20181218-FD			
440-228226-1	Barium	60	61	2 (≤50)	-	-
	Boron	15	15	0 (≤50)	-	-
	Chromium	30	34	13 (≤50)	-	-
	Cobalt	3.5	3.9	11 (≤50)	-	-
	Copper	11	12	9 (≤50)	-	-
	Iron	10000	12000	18 (≤50)	-	-
	Lead	5.4	6.2	14 (≤50)	-	-
	Magnesium	11000	12000	9 (≤50)	-	-
	Manganese	130	140	7 (≤50)	-	-
	Nickel	10	11	10 (≤50)	-	-
	Phosphorus	660	700	6 (≤50)	-	-
	Strontium	87	86	1 (≤50)	-	-
	Sulfur	270	300	11 (≤50)	-	-
	Vanadium	41	47	14 (≤50)	-	-
Zirconium	16	18	12 (≤50)	-	-	

SDG	Analyte	Concentration (mg/Kg)		RPD (Limits)	Flag	A or P
		RISB-2-10.0-20181218	RISB-2-10.0-20181218-FD			
440-228226-2	Arsenic	7.9	7.3	8 (≤50)	-	-
	Selenium	3.1	2.6	18 (≤50)	-	-

SDG	Analyte	Concentration (mg/Kg)		RPD (Limits)	Flag	A or P
		RISB-3-20.0-20181218	RISB-3-20.0-20181218-FD			
440-228226-2	Arsenic	4.7	5.7	19 (≤50)	-	-
	Selenium	1.4	1.7	19 (≤50)	-	-

SDG	Analyte	Concentration (mg/Kg)		RPD (Limits)	Flag	A or P
		RISB-5-0.5-20181218	RISB-5-0.5-20181218-FD			
440-228226-2	Arsenic	6.8	13	63 (≤50)	J (all detects)	A
	Selenium	1.5	2.5	50 (≤50)	-	-

SDG	Analyte	Concentration (mg/Kg)		RPD (Limits)	Flag	A or P
		RISB-5-23.0-20181218	RISB-5-23.0-20181218-FD			
440-228226-2	Arsenic	18	13	32 (≤50)	-	-
	Selenium	2.2	1.8	20 (≤50)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		M-270-20190221	M-270-20190221_FD			
440-234338-1	Boron	0.72 mg/L	0.70 mg/L	3 (≤30)	-	-
	Arsenic	38 ug/L	39 ug/L	3 (≤30)	-	-
	Calcium	22 mg/L	22 mg/L	0 (≤30)	-	-
	Chromium	0.023 mg/L	0.022 mg/L	4 (≤30)	-	-
	Magnesium	14 mg/L	14 mg/L	0 (≤30)	-	-
	Potassium	5.5 mg/L	5.4 mg/L	2 (≤30)	-	-
	Sodium	120 mg/L	120 mg/L	0 (≤30)	-	-
	Strontium	0.77 mg/L	0.75 mg/L	3 (≤30)	-	-
	Uranium	4.7 ug/L	4.8 ug/L	2 (≤30)	-	-
	Vanadium	0.021 mg/L	0.021 mg/L	0 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		M-262-20190314	M-262-20190314-FD			
440-236324-1	Boron	0.97 mg/L	0.97 mg/L	0 (≤30)	-	-
	Calcium	34 mg/L	34 mg/L	0 (≤30)	-	-
	Chromium	0.0050U mg/L	0.0028 mg/L	200 (≤30)	NQ	-
	Magnesium	24 mg/L	24 mg/L	0 (≤30)	-	-
	Manganese	0.027 mg/L	0.027 mg/L	0 (≤30)	-	-
	Potassium	7.6 mg/L	7.6 mg/L	0 (≤30)	-	-
	Sodium	150 mg/L	150 mg/L	0 (≤30)	-	-
	Strontium	1.3 mg/L	1.3 mg/L	0 (≤30)	-	-
	Vanadium	0.0095 mg/L	0.0098 mg/L	3 (≤30)	-	-
	Arsenic	27 ug/L	27 ug/L	0 (≤30)	-	-
	Uranium	6.9 ug/L	6.7 ug/L	3 (≤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 (ICP-MS)

All internal standard percent recoveries (%R) were within QC limits for samples which underwent Stage 4 validation. Raw data were not reviewed for Stage 2A or Stage 2B validation.

XII. Sample Result Verification

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

XIII. Overall Assessment of Data

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

Due to instrument calibration %R, MS/MSD %R and RPD, serial dilution %D, and field duplicate RPD, data were qualified as estimated in eighty-six samples.

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

The quality control criteria reviewed, other than those discussed above, were met and are considered acceptable. Sample results that were found to be 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 RI, Phase 2, March 2018 through March 2019

Metals - Data Qualification Summary - SDGs 440-207465-1, 440-207516-1, 440-208864-1, 440-212325-1, 440-212422-1, 440-220771-1, 440-220843-1, 440-220951-1, 440-221747-1, 440-221888-1, 440-221976-1, 440-222098-1, 440-224426-1, 440-224542-1, 440-224653-1, 440-227549-1, 440-227549-3, 440-227679-1, 440-227679-3, 440-227911-1, 440-228162-1, 440-228167-1, 440-228226-1, 440-228226-2, 440-228316-1, 440-228316-2, 440-229619-1, 440-229808-1, 440-233779-1, 440-234338-1, 440-235977-1, 440-236091-1, 440-236214-1, 440-236324-1, 440-236394-1

SDG	Sample	Analyte	Flag	A or P	Reason (Code)
440-228226-1	RISB-5-23.0-20181218 RISB-5-23.0-20181218-FD	Silver	UJ (all non-detects)	P	Instrument calibration (%R) (c)
440-207516-1	PC-40R-20180329*	Aluminum Iron	J+ (all detects) J+ (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-207516-1	PC-170R-20180329* PC-40R-20180329* PC-187R-20180329* MC-65R2-20180329* MC-MW-37R2-20180329*	Boron	J+ (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-207516-1	PC-170R-20180329F* PC-40R-20180329F* PC-187R-20180329F* MC-65R2-20180329F* MC-MW-37R2-20180329F*	Aluminum	UJ (all non-detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-220771-1	RISB-ER-02-1.0-20180924 RISB-ER-02-10.0-20180924 RISB-EJ-02-1.0-20180924 RISB-EJ-02-10.0-20180924	Barium Strontium	J+ (all detects) J+ (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-220771-1	RISB-ER-02-1.0-20180924 RISB-ER-02-10.0-20180924 RISB-EJ-02-1.0-20180924 RISB-EJ-02-10.0-20180924	Tungsten Antimony	J- (all detects) UJ (all non-detects) J- (all detects) UJ (all non-detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-220843-1	RISB-EJ-04-1.0-20180925 RISB-EJ-04-10.0-20180925 RISB-EJ-03-1.0-20180925 RISB-EJ-03-1.0-20180925-FD RISB-EJ-03-10.0-20180925 RISB-ER-03-1.0-20180925 RISB-ER-03-10.0-20180925 RISB-ER-01-1.0-20180925 RISB-ER-01-10.0-20180925	Barium Vanadium	J+ (all detects) J+ (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)

SDG	Sample	Analyte	Flag	A or P	Reason (Code)
440-220843-1	RISB-EJ-04-1.0-20180925 RISB-EJ-04-10.0-20180925 RISB-EJ-03-1.0-20180925 RISB-EJ-03-1.0-20180925-FD RISB-EJ-03-10.0-20180925 RISB-ER-03-1.0-20180925 RISB-ER-03-10.0-20180925 RISB-ER-01-1.0-20180925 RISB-ER-01-10.0-20180925	Tungsten Antimony Mercury	J- (all detects) UJ (all non-detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-227549-1	RIDB-35-1-20181212** RIDB-35-5-20181212** RIDB-35-10-20181212** RIDB-35-20-20181212** RIDB-35-30-20181212** RIDB-34-1-20181212** RIDB-34-5-20181212**	Barium Manganese	J+ (all detects) J+ (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-227549-1	RIDB-35-1-20181212** RIDB-35-5-20181212** RIDB-35-10-20181212** RIDB-35-20-20181212** RIDB-35-30-20181212** RIDB-34-1-20181212** RIDB-34-5-20181212**	Tungsten	UJ (all non-detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-227679-1	RIDB-34-10-20181213 RIDB-34-20-20181213 RIDB-34-30-20181213 RIDB-36-1-20181213 RIDB-36-5-20181213 RIDB-36-10-20181213 RIDB-36-20-20181213	Barium Manganese Phosphorus Strontium	J+ (all detects) J+ (all detects) J+ (all detects) J+ (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-227679-1	RIDB-34-10-20181213 RIDB-34-20-20181213 RIDB-34-30-20181213 RIDB-36-1-20181213 RIDB-36-5-20181213 RIDB-36-10-20181213 RIDB-36-20-20181213	Tungsten	UJ (all non-detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-227679-1	RIDB-36-30-20181213	Boron	J- (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-227679-1	RIDB-36-30-20181213	Tungsten	UJ (all non-detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)

SDG	Sample	Analyte	Flag	A or P	Reason (Code)
440-228226-1	RISB-3-15.0-20181218 RISB-3-20.0-20181218 RISB-3-20.0-20181218-FD RISB-3-25.0-20181218** RISB-3-30.0-20181218 RISB-3-32.0-20181218 RISB-4-0.5-20181218 RISB-4-5.0-20181218 RISB-4-10.0-20181218 RISB-4-15.0-20181218 RISB-4-20.0-20181218 RISB-4-25.0-20181218 RISB-4-30.0-20181218 RISB-4-25.5-20181218 RISB-4-27.5-20181218 RISB-5-0.5-20181218 RISB-5-0.5-20181218-FD RISB-5-5.0-20181218 RISB-5-10.0-20181218 RISB-5-15.0-20181218	Sulfur	J+ (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-228226-1	RISB-2-25.0-20181218 RISB-4-15.0-20181218	Tungsten	UJ (all non-detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-228226-1	RISB-2-25.0-20181218 RISB-4-15.0-20181218	Barium	J+ (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-228226-1	RISB-2-25.0-20181218 RISB-4-15.0-20181218	Manganese	J- (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-228226-1	RISB-2-25.0-20181218 RISB-4-15.0-20181218	Tungsten	UJ (all non-detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-228226-1	RISB-1-0.5-20181218** RISB-1-5.0-20181218 RISB-1-10.0-20181218** RISB-1-15.0-20181218 RISB-1-20.0-20181218 RISB-1-25.0-20181218 RISB-1-30.0-20181218 RISB-1-32.0-20181218 RISB-2-0.5-20181218 RISB-2-5.0-20181218** RISB-2-10.0-20181218 RISB-2-10.0-20181218-FD RISB-2-15.0-20181218** RISB-2-20.0-20181218 RISB-2-30.0-20181218 RISB-2-32.0-20181218 RISB-3-0.5-20181218 RISB-3-5.0-20181218 RISB-3-10.0-20181218** RISB-3-15.0-20181218	Strontium	J+ (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)

SDG	Sample	Analyte	Flag	A or P	Reason (Code)
440-228226-1	RISB-1-0.5-20181218** RISB-1-5.0-20181218 RISB-1-10.0-20181218** RISB-1-15.0-20181218 RISB-1-20.0-20181218 RISB-1-25.0-20181218 RISB-1-30.0-20181218 RISB-1-32.0-20181218 RISB-2-0.5-20181218 RISB-2-5.0-20181218** RISB-2-10.0-20181218 RISB-2-10.0-20181218-FD RISB-2-15.0-20181218** RISB-2-20.0-20181218 RISB-2-30.0-20181218 RISB-2-32.0-20181218 RISB-3-0.5-20181218 RISB-3-5.0-20181218 RISB-3-10.0-20181218** RISB-3-15.0-20181218	Tungsten	UJ (all non-detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-228226-1	RISB-3-20.0-20181218 RISB-3-20.0-20181218-FD RISB-3-25.0-20181218** RISB-3-30.0-20181218 RISB-3-32.0-20181218 RISB-4-0.5-20181218 RISB-4-5.0-20181218 RISB-4-10.0-20181218 RISB-4-20.0-20181218 RISB-4-25.0-20181218 RISB-4-30.0-20181218 RISB-4-25.5-20181218 RISB-4-27.5-20181218 RISB-5-0.5-20181218 RISB-5-0.5-20181218-FD RISB-5-5.0-20181218 RISB-5-10.0-20181218 RISB-5-15.0-20181218 RISB-5-20.0-20181218 RISB-5-25.0-20181218	Tungsten	UJ (all non-detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-228226-1	RISB-5-23.0-20181218 RISB-5-23.0-20181218-FD	Barium Manganese Strontium	J+ (all detects) J+ (all detects) J+ (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-228226-1	RISB-5-23.0-20181218 RISB-5-23.0-20181218-FD	Tungsten	UJ (all non-detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)

SDG	Sample	Analyte	Flag	A or P	Reason (Code)
440-228226-2	RISB-1-0.5-20181218 RISB-1-5.0-20181218 RISB-1-10.0-20181218 RISB-1-15.0-20181218 RISB-1-20.0-20181218 RISB-1-25.0-20181218 RISB-1-30.0-20181218 RISB-1-32.0-20181218 RISB-2-0.5-20181218 RISB-2-5.0-20181218 RISB-2-10.0-20181218 RISB-2-10.0-20181218-FD RISB-2-15.0-20181218 RISB-2-20.0-20181218 RISB-2-25.0-20181218 RISB-2-30.0-20181218 RISB-2-32.0-20181218 RISB-3-0.5-20181218 RISB-3-5.0-20181218 RISB-3-10.0-20181218	Antimony	UJ (all non-detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-228226-2	RISB-5-23.0-20181218-FD	Antimony	UJ (all non-detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-227549-1	RIDB-35-1-20181212** RIDB-35-5-20181212** RIDB-35-10-20181212** RIDB-35-20-20181212** RIDB-35-30-20181212** RIDB-34-1-20181212** RIDB-34-5-20181212**	Barium Manganese	J (all detects) J (all detects)	A	Matrix spike/Matrix spike duplicate (RPD) (ld)
440-228226-1	RISB-2-25.0-20181218 RISB-4-15.0-20181218	Manganese	J (all detects)	A	Matrix spike/Matrix spike duplicate (RPD) (ld)
440-228226-1	RISB-2-25.0-20181218 RISB-4-15.0-20181218	Magnesium	J (all detects)	A	Matrix spike/Matrix spike duplicate (RPD) (ld)
440-228226-1	RISB-3-20.0-20181218 RISB-3-20.0-20181218-FD RISB-3-25.0-20181218** RISB-3-30.0-20181218 RISB-3-32.0-20181218 RISB-4-0.5-20181218 RISB-4-5.0-20181218 RISB-4-10.0-20181218 RISB-4-20.0-20181218 RISB-4-25.0-20181218 RISB-4-30.0-20181218 RISB-4-25.5-20181218 RISB-4-27.5-20181218 RISB-5-0.5-20181218 RISB-5-0.5-20181218-FD RISB-5-5.0-20181218 RISB-5-10.0-20181218 RISB-5-15.0-20181218 RISB-5-20.0-20181218 RISB-5-25.0-20181218	Strontium	J (all detects)	A	Matrix spike/Matrix spike duplicate (RPD) (ld)

SDG	Sample	Analyte	Flag	A or P	Reason (Code)
440-227679-1	RIDB-36-30-20181213	Phosphorus	J (all detects)	A	Serial dilution (%D) (sd)
440-228226-1	RISB-3-20.0-20181218 RISB-3-20.0-20181218-FD RISB-3-25.0-20181218** RISB-3-30.0-20181218 RISB-3-32.0-20181218 RISB-4-0.5-20181218 RISB-4-5.0-20181218 RISB-4-10.0-20181218 RISB-4-20.0-20181218 RISB-4-25.0-20181218 RISB-4-30.0-20181218 RISB-4-25.5-20181218 RISB-4-27.5-20181218 RISB-5-0.5-20181218 RISB-5-0.5-20181218-FD RISB-5-5.0-20181218 RISB-5-10.0-20181218 RISB-5-15.0-20181218 RISB-5-20.0-20181218 RISB-5-25.0-20181218	Barium Magnesium Manganese	J (all detects) J (all detects) J (all detects)	A	Serial dilution (%D) (sd)
440-212422-1	PC-156B-20180530F PC-156B-20180530-FDF	Iron	J (all detects)	A	Field duplicates (RPD) (fd)
440-224542-1	PC-155A-20181115 PC-155A-20181115-FD	Aluminum Iron	J (all detects) J (all detects)	A	Field duplicates (RPD) (fd)
440-228226-2	RISB-5-0.5-20181218 RISB-5-0.5-20181218-FD	Arsenic	J (all detects)	A	Field duplicates (RPD) (fd)

NERT RI, Phase 2, March 2018 through March 2019

Metals - Laboratory Blank Data Qualification Summary - SDGs 440-207465-1, 440-207516-1, 440-208864-1, 440-212325-1, 440-212422-1, 440-220771-1, 440-220843-1, 440-220951-1, 440-221747-1, 440-221888-1, 440-221976-1, 440-222098-1, 440-224426-1, 440-224542-1, 440-224653-1, 440-227549-1, 440-227549-3, 440-227679-1, 440-227679-3, 440-227911-1, 440-228162-1, 440-228167-1, 440-228226-1, 440-228226-2, 440-228316-1, 440-228316-2, 440-229619-1, 440-229808-1, 440-233779-1, 440-234338-1, 440-235977-1, 440-236091-1, 440-236214-1, 440-236324-1, 440-236394-1

No Sample Data Qualified in these SDGs

NERT RI, Phase 2, March 2018 through March 2019

Metals - Field Blank Data Qualification Summary – SDGs 440-207465-1, 440-207516-1, 440-208864-1, 440-212325-1, 440-212422-1, 440-220771-1, 440-220843-1, 440-220951-1, 440-221747-1, 440-221888-1, 440-221976-1, 440-222098-1, 440-224426-1, 440-224542-1, 440-224653-1, 440-227549-1, 440-227549-3, 440-227679-1, 440-227679-3, 440-227911-1, 440-228162-1, 440-228167-1, 440-228226-1, 440-228226-2, 440-228316-1, 440-228316-2, 440-229619-1, 440-229808-1, 440-233779-1, 440-234338-1, 440-235977-1, 440-236091-1, 440-236214-1, 440-236324-1, 440-236394-1

SDG	Sample	Analyte	Modified Final Concentration	A or P	Code
440-224653-1	PC-156B-20181116	Aluminum Iron	0.056J mg/L 0.052J mg/L	A	bf

ATTACHMENT N
Wet Chemistry DVR

Alkalinity by Standard Method 2320B
Ammonia as NH3 and Ammonia as Nitrogen by Standard Method 4500-NH3 D
Bromide, Chloride, Fluoride, Nitrate as Nitrate, Nitrate as Nitrogen, Nitrite as Nitrogen, Orthophosphate as Phosphorus, and Sulfate by Environmental Protection Agency (EPA) Method 9056
Bromide, Chloride, Nitrate as Nitrate, Nitrate as Nitrogen, Nitrite as Nitrogen, Orthophosphate as Phosphorus, and Sulfate by EPA Method 300.0
Chlorate and Chlorite by EPA Method 300.1B
Conductivity and Specific Conductance by Standard Method 2510B
Dissolved Organic Carbon by Standard Method 5310B
Ferric Iron by Standard Method 3500
Ferrous Iron by Standard Method 3500-FE D
Hexavalent Chromium and Dissolved Hexavalent Chromium by EPA Method 218.6
Hexavalent Chromium by EPA SW 846 Method 7199
Nitrate/Nitrite as Nitrogen and Total Inorganic Nitrogen by Calculation Method
Perchlorate by EPA Method 314.0
pH by EPA SW 846 Method 9040C
Sulfide by EPA SW 846 Method 9034
Total Dissolved Solids by Standard Method 2540C
Total Phosphorus by EPA Method 365.3
Volatile Fatty Acids by Method VFA-IC

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
440-207516-1	PC-170R-20180329*	pH	5 days	48 hours	pH	J (all detects)	P
440-207516-1	PC-40R-20180329*	pH	5 days	48 hours	pH	J (all detects)	P
440-207516-1	PC-187R-20180329*	pH	5 days	48 hours	pH	J (all detects)	P
440-207516-1	MC-65R2-20180329*	pH	5 days	48 hours	pH	J (all detects)	P
440-207516-1	MC-MW-37R2-20180329*	pH	5 days	48 hours	pH	J (all detects)	P
440-208864-1	M-224R-20180413*	Hexavalent chromium	3 days	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
440-208864-1	M-225R-20180413*	Hexavalent chromium	3 days	24 hours	Hexavalent chromium	J- (all detects)	P
440-208864-1	M-227R-20180413*	Hexavalent chromium	3 days	24 hours	Hexavalent chromium	R (all non-detects)	P
440-208864-1	M-228R-20180413*	Hexavalent chromium	3 days	24 hours	Hexavalent chromium	J- (all detects)	P
440-208864-1	M-224R-20180413*	pH	51.48 hours	24 hours	pH	J (all detects)	P
440-208864-1	M-225R-20180413*	pH	53.90 hours	24 hours	pH	J (all detects)	P
440-208864-1	M-227R-20180413*	pH	55.57 hours	24 hours	pH	J (all detects)	P
440-208864-1	M-228R-20180413	pH	52.68 hours	24 hours	pH	J (all detects)	P
440-212325-1	PC-157A-20180529*	pH	49.18 hours	48 hours	pH	J (all detects)	P
440-212325-1	PC-157B-20180529*	pH	49.85 hours	48 hours	pH	J (all detects)	P
440-212422-1	PC-156A-20180530*	pH	96.78 hours	48 hours	pH	J (all detects)	P
440-212422-1	PC-156B-20180530*	pH	97.88 hours	48 hours	pH	J (all detects)	P
440-212422-1	PC-156B-20180530-FD*	pH	97.80 hours	48 hours	pH	J (all detects)	P
440-212422-1	PC-155B-20180530*	pH	100.93 hours	48 hours	pH	J (all detects)	P
440-212422-1	PC-155A-20180530*	pH	99.72 hours	48 hours	pH	J (all detects)	P
440-212422-1	PC-156A-20180530-EB*	pH	96.72 hours	48 hours	pH	J (all detects)	P
440-212422-1	PC-156A-20180530* PC-156B-20180530* PC-156B-20180530-FD* PC-155B-20180530* PC-155A-20180530* PC-156A-20180530-EB*	Ferrous iron	4 days	24 hours	Ferrous iron	UU (all non-detects)	P
440-224426-1	PC-172D-20181114 PC-168-20181114 PC-176-20181114	pH	5 days	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
440-224542-1	PC-155A-20181115 PC-155A-20181115-FD PC-157A-20181115 PC-157B-20181115 PC-155B-20181115	pH	4 days	48 hours	pH	J (all detects)	P
440-224653-1	PC-156B-20181116	pH	80.98 hours	48 hours	pH	J (all detects)	P
440-224653-1	PC-156A-20181116	pH	80.03 hours	48 hours	pH	J (all detects)	P
440-224653-1	EB-20181116	pH	78.83 hours	48 hours	pH	J (all detects)	P
440-228167-1	M-260-20181213*	Nitrate as NO3	130.37 hours	48 hours	Nitrate as NO3 Nitrate/Nitrite as N	J (all detects) J (all detects)	P
440-228167-1	M-261-20181213*	Nitrate as NO3	128.48 hours	48 hours	Nitrate as NO3 Nitrate/Nitrite as N	J (all detects) J (all detects)	P
440-228167-1	M-262-20181213*	Nitrate as NO3	127.12 hours	48 hours	Nitrate as NO3 Nitrate/Nitrite as N	J (all detects) J (all detects)	P
440-228167-1	M-263-20181214*	Nitrate as NO3	130.02 hours	48 hours	Nitrate as NO3 Nitrate/Nitrite as N	J (all detects) J (all detects)	P
440-228167-1	M-264-20181214*	Nitrate as NO3	127.50 hours	48 hours	Nitrate as NO3 Nitrate/Nitrite as N	J (all detects) J (all detects)	P
440-228167-1	M-265-20181215*	Nitrate as NO3	125.00 hours	48 hours	Nitrate as NO3 Nitrate/Nitrite as N	J (all detects) J (all detects)	P
440-234338-1	M-270-20190221	Hexavalent chromium	37.80 hours	24 hours	Hexavalent chromium	J- (all detects)	P
440-234338-1	M-270-20190221_FD	Hexavalent chromium	37.77 hours	24 hours	Hexavalent chromium	J- (all detects)	P
440-236324-1	M-262-20190314	Hexavalent chromium	26.52 hours	24 hours	Hexavalent chromium	UU (all non-detects)	P
440-236324-1	M-262-20190314-FD	Hexavalent chromium	26.65 hours	24 hours	Hexavalent chromium	UU (all non-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.

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 with the following exceptions:

SDG	Blank ID	Analyte	Maximum Concentration	Associated Samples
440-228226-1	PB (prep blank)	Alkalinity as CaCO ₃ Bicarbonate as HCO ₃	249 mg/Kg 303 mg/Kg	RISB-1-0.5-20181218** RISB-1-5.0-20181218 RISB-1-15.0-20181218 RISB-1-20.0-20181218 RISB-1-25.0-20181218 RISB-1-30.0-20181218# RISB-1-32.0-20181218 RISB-2-5.0-20181218** RISB-2-10.0-20181218 RISB-2-10.0-20181218-FD RISB-2-15.0-20181218** RISB-2-20.0-20181218 RISB-2-25.0-20181218 RISB-2-30.0-20181218 RISB-2-32.0-20181218 RISB-3-0.5-20181218 RISB-3-5.0-20181218 RISB-5-10.0-20181218 RISB-5-15.0-20181218 RISB-5-20.0-20181218 RISB-5-25.0-20181218** RISB-5-23.0-20181218 RISB-5-23.0-20181218-FD
440-228226-1	PB (prep blank)	Alkalinity as CaCO ₃ Bicarbonate as HCO ₃	247 mg/Kg 301 mg/Kg	RISB-3-10.0-20181218** RISB-3-15.0-20181218 RISB-3-20.0-20181218 RISB-3-20.0-20181218-FD RISB-3-25.0-20181218** RISB-3-30.0-20181218 RISB-3-32.0-20181218 RISB-4-0.5-20181218 RISB-4-5.0-20181218 RISB-4-10.0-20181218# RISB-4-15.0-20181218 RISB-4-20.0-20181218 RISB-4-25.0-20181218 RISB-4-30.0-20181218# RISB-4-25.5-20181218 RISB-4-27.5-20181218 RISB-5-0.5-20181218 RISB-5-0.5-20181218-FD RISB-5-5.0-20181218#

SDG	Blank ID	Analyte	Maximum Concentration	Associated Samples
440-228226-1	PB (prep blank)	Alkalinity as CaCO ₃ Bicarbonate as HCO ₃	49.1 mg/Kg 59.9 mg/Kg	RISB-1-10.0-20181218** RISB-2-0.5-20181218

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	Analyte	Reported Concentration	Modified Final Concentration
440-228226-1	RISB-1-15.0-20181218	Bicarbonate as HCO ₃	2500 mg/Kg	2500J+ mg/Kg
440-228226-1	RISB-5-0.5-20181218	Bicarbonate as HCO ₃	1300 mg/Kg	1300J+ mg/Kg
440-228226-1	RISB-5-0.5-20181218-FD	Bicarbonate as HCO ₃	1300 mg/Kg	1300J+ mg/Kg
440-228226-1	RISB-5-5.0-20181218 [#]	Bicarbonate as HCO ₃	2500 mg/Kg	2500J+ mg/Kg

V. Field Blanks

Samples PC-156A-20180530-EB* (from SDG 440-212422-1), EB-20181116 (from SDG 440-224653-1), and M-271-20190221_EB (from SDG 440-234338-1) were identified as equipment blanks. No contaminants were found with the following exceptions:

SDG	Blank ID	Collection Date	Analyte	Concentration	Associated Samples
440-212422-1	PC-156A-20180530-EB*	05/30/18	Specific conductance	1.1 umhos/cm	PC-156A-20180530*
440-224653-1	EB-20181116	11/16/18	Sulfate Alkalinity as CaCO ₃ Specific conductance Total dissolved solids	260 mg/L 5110 ug/L 12 umhos/cm 7000 ug/L	PC-156B-20181116 PC-156A-20181116
440-234338-1	M-271-20190221_EB	02/21/19	Specific conductance	1.9 mg/L	M-271-20190221

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

VI. Surrogates

Surrogates were added to all samples as required by EPA Method 300.1B. Surrogate recoveries (%R) were within QC limits with the following exceptions:

SDG	Sample	Surrogate	%R (Limits)	Affected Analyte	Flag	A or P
440-227549-1	RIDB-35-30-20181212** RIDB-35-40-20181212** RIDB-35-50-20181212** RIDB-35-60-20181212**	Dichloroacetic acid	0 (90-115)	Chlorate	J- (all detects)	A
440-227679-1	RIDB-34-50-20181213	Dichloroacetic acid	80 (90-115)	Chlorate	J- (all detects)	A
440-227679-1	RIDB-34-60-20181213 RIDB-36-30-20181213 RIDB-36-40-20181213 RIDB-36-50-20181213	Dichloroacetic acid	0 (90-115)	Chlorate	J- (all detects)	A
440-227911-1	RIDB-36-60-20181214	Dichloroacetic acid	0 (90-115)	Chlorate	J- (all detects)	A
440-228226-1	RISB-1-32.0-20181218 RISB-2-32.0-20181218 RISB-3-32.0-20181218 RISB-4-30.0-20181218#	Dichloroacetic acid	0 (90-115)	Chlorate	J- (all detects)	A
440-228226-1	RISB-4-27.5-20181218	Dichloroacetic acid	79 (90-115)	Chlorate	J- (all detects)	A

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 Analyte	Flag	A or P
440-207516-1	MFC-32A-20180328MS/MSD* (PC-170R-20180329*)	Perchlorate	123 (80-120)	124 (80-120)	Perchlorate	NA	-
440-208864-1	M-228R-20180413MS/MSD* (M-228R-20180413*)	Nitrite as N Bromide	168 (80-120) 124 (80-120)	173 (80-120) 127 (80-120)	Nitrite as N Nitrate/Nitrite as N Bromide	J+ (all detects) J+ (all detects) J+ (all detects)	A
440-208864-1	M-228R-20180413MS/MSD* (M-228R-20180413*)	Orthophosphate as P	121 (80-120)	133 (80-120)	Orthophosphate as P	NA	-
440-212325-1	PC-157A-20180529MS/MSD* (All samples in SDG 440-212325-1)	Nitrite as N Orthophosphate as P Bromide	170 (80-120) 142 (80-120) 136 (80-120)	169 (80-120) 144 (80-120) 137 (80-120)	Nitrite as N Orthophosphate as P Bromide	NA	-

SDG	Spike ID (Associated Samples)	Analyte	MS (%R) (Limits)	MSD (%R) (Limits)	Affected Analyte	Flag	A or P
440-212422-1	PC-156B-20180530MS/MSD* (PC-156A-20180530* PC-156B-20180530* PC-156B-20180530-FD* PC-155B-20180530* PC-155A-20180530*)	Nitrite as N Orthophosphate as P	126 (80-120) 130 (80-120)	146 (80-120) 129 (80-120)	Nitrite as N Orthophosphate as P	NA	-
440-212422-1	PC-155A-20180530MS/MSD* (PC-156A-20180530* PC-156B-20180530* PC-156B-20180530-FD* PC-155B-20180530* PC-155A-20180530*)	Nitrite as N Orthophosphate as P	122 (80-120) 129 (80-120)	122 (80-120) 135 (80-120)	Nitrite as N Orthophosphate as P	NA	-
440-220771-2	RISB-ER-02-1.0-20180924MS/MSD (All samples in SDG 440-220771-2)	Pyruvic acid	74 (80-120)	74 (80-120)	Pyruvic acid	UJ (all non-detects)	A
440-220843-1	RISB-EJ-04-1.0-20180925MS/MSD (All samples in SDG 440-220843-1)	Chlorate	135 (75-125)	-	Chlorate	J+ (all detects)	A
440-220843-1	RISB-EJ-04-1.0-20180925MS/MSD (All samples in SDG 440-220843-1)	Nitrite as N	181 (80-120)	176 (80-120)	Nitrite as N	NA	-
440-220843-1	RISB-EJ-04-1.0-20180925MS/MSD (All samples in SDG 440-220843-1)	Orthophosphate as P	29 (80-120)	40 (80-120)	Orthophosphate as P	R (all non-detects)	A
440-220843-1	RISB-EJ-04-1.0-20180925MS/MSD (RISB-EJ-04-1.0-20180925 RISB-EJ-03-1.0-20180925 RISB-EJ-03-1.0-20180925-FD RISB-EJ-03-10.0-20180925 RISB-ER-03-1.0-20180925 RISB-ER-03-10.0-20180925 RISB-ER-01-1.0-20180925)	Nitrate as N	-	150 (80-120)	Nitrate as N	J+ (all detects)	A
440-220843-1	RISB-EJ-04-1.0-20180925MS/MSD (RISB-EJ-04-10.0-20180925 RISB-ER-01-10.0-20180925)	Nitrate as N	-	150 (80-120)	Nitrate as N	NA	-
440-220843-1	RISB-EJ-04-1.0-20180925MS/MSD (All samples in SDG 440-220843-1)	Fluoride	65 (80-120)	65 (80-120)	Fluoride	UJ (all non-detects)	A
440-220843-2	RISB-EJ-04-1.0-20180925MS/MSD (All samples in SDG 440-220843-2)	Pyruvic acid	60 (80-120)	54 (80-120)	Pyruvic acid	UJ (all non-detects)	A
440-220843-2	RISB-ER-01-10.0-20180925MS (All samples in SDG 440-220843-2)	Pyruvic acid	63 (80-120)	-	Pyruvic acid	UJ (all non-detects)	A

SDG	Spike ID (Associated Samples)	Analyte	MS (%R) (Limits)	MSD (%R) (Limits)	Affected Analyte	Flag	A or P
440-221888-1	RIDB-30-130.0-20181009MS/MSD (RIDB-30-130.0-20181009 RIDB-30-140.0-20181009 RIDB-30-150.0-20181009 RIDB-31-50.0-20181009 RIDB-31-60.0-20181009 RIDB-31-70.0-20181009 RIDB-31-80.0-20181009 RIDB-31-90.0-20181009 RIDB-31-100.0-20181009 RIDB-31-110.0-20181009 RIDB-31-120.0-20181009 RIDB-31-130.0-20181009)	Perchlorate	75 (80-120)	77 (80-120)	Perchlorate	J- (all detects) UJ (all non-detects)	A
440-221888-1	RIDB-30-130.0- 20181009MSRE/MSDRE (RIDB-30-130.0-20181009-FD RIDB-30-130.0-20181009RE)	Perchlorate	78 (80-120)	75 (80-120)	Perchlorate	UJ (all non-detects)	A
440-221976-1	RIDB-32-60.0-20181010MS/MSD (All samples in SDG 440-221976-1)	Perchlorate	72 (80-120)	-	Perchlorate	J- (all detects) UJ (all non-detects)	A
440-222098-1	RIDB-33-120.0-20181011MS/MSD (All samples in SDG 440-222098-1)	Perchlorate	55 (80-120)	47 (80-120)	Perchlorate	J- (all detects) UJ (all non-detects)	A
440-224426-1	PC-172D-20181114MS/MSD (All samples in SDG 440-224426-1)	Sulfide	45 (70-130)	64 (70-130)	Sulfide	UJ (all non-detects)	A
440-224542-1	PC-155A-20181115MS/MSD (All samples in SDG 440-224542-1)	Sulfide	144 (70-130)	-	Sulfide	NA	-
440-224653-1	PC-155A-20181115MS/MSD (All samples in SDG 440-224653-1)	Sulfide	144 (70-130)	-	Sulfide	NA	-
440-227549-1	RIDB-35-80-20181212MS/MSD** (RIDB-35-1-20181212** RIDB-35-5-20181212** RIDB-35-10-20181212** RIDB-35-20-20181212** RIDB-35-70-20181212** RIDB-35-80-20181212** RIDB-35-90-20181212** RIDB-35-100-20181212** RIDB-35-100-20181212-FD** RIDB-35-130-20181212** RIDB-34-1-20181212**)	Chlorate	131 (75-125)	-	Chlorate	J+ (all detects)	A
440-227549-1	RIDB-35-80-20181212MS/MSD** (RIDB-35-110-20181212** RIDB-35-120-20181212** RIDB-35-140-20181212** RIDB-35-150-20181212**)	Chlorate	131 (75-125)	-	Chlorate	NA	-

SDG	Spike ID (Associated Samples)	Analyte	MS (%R) (Limits)	MSD (%R) (Limits)	Affected Analyte	Flag	A or P
440-227679-1	RIDB-34-50-20181213MS/MSD** (RIDB-34-10-20181213** RIDB-34-20-20181213** RIDB-34-30-20181213** RIDB-34-40-20181213** RIDB-34-50-20181213** RIDB-34-60-20181213** RIDB-36-1-20181213** RIDB-36-5-20181213** RIDB-36-10-20181213**)	Nitrate as NO3	149 (80-120)	193 (80-120)	Nitrate as NO3 Nitrate/Nitrite as N	J+ (all detects) J+ (all detects)	A
440-227679-1	RIDB-34-50-20181213MS/MSD** (RIDB-34-70-20181213 RIDB-34-70-20181213-FD RIDB-34-80-20181213 RIDB-34-90-20181213 RIDB-34-110-20181213 RIDB-34-120-20181213 RIDB-34-130-20181213 RIDB-34-150-20181213)	Nitrate as NO3	149 (80-120)	193 (80-120)	Nitrate as NO3 Nitrate/Nitrite as N	J+ (all detects) NA	A -
440-227679-1	RIDB-34-50-20181213MS/MSD (RIDB-34-100-20181213 RIDB-34-140-20181213 RIDB-34-140-20181213-FD)	Nitrate as NO3	149 (80-120)	193 (80-120)	Nitrate as NO3 Nitrate/Nitrite as N	NA	-
440-227679-1	RIDB-34-120-20181213MS/MSD (RIDB-34-10-20181213 RIDB-34-20-20181213 RIDB-34-30-20181213 RIDB-34-40-20181213 RIDB-34-50-20181213 RIDB-34-70-20181213 RIDB-34-70-20181213-FD RIDB-34-80-20181213 RIDB-34-90-20181213 RIDB-34-100-20181213 RIDB-34-110-20181213 RIDB-34-120-20181213 RIDB-34-130-20181213 RIDB-34-140-20181213 RIDB-34-140-20181213-FD RIDB-34-150-20181213 RIDB-36-5-20181213 RIDB-36-10-20181213)	Chlorate	-	128 (75-125)	Chlorate	J+ (all detects)	A
440-227679-1	RIDB-34-120-20181213MS/MSD (RIDB-36-1-20181213)	Chlorate	-	128 (75-125)	Chlorate	NA	-

SDG	Spike ID (Associated Samples)	Analyte	MS (%R) (Limits)	MSD (%R) (Limits)	Affected Analyte	Flag	A or P
440-228226-1	RISB-2-25.0-20181218MS/MSD (RISB-1-0.5-20181218** RISB-1-5.0-20181218 RISB-1-10.0-20181218** RISB-1-15.0-20181218 RISB-1-20.0-20181218 RISB-1-25.0-20181218 RISB-1-30.0-20181218# RISB-1-32.0-20181218 RISB-2-0.5-20181218 RISB-2-5.0-20181218** RISB-2-10.0-20181218 RISB-2-10.0-20181218-FD RISB-2-15.0-20181218** RISB-2-20.0-20181218 RISB-2-25.0-20181218 RISB-2-30.0-20181218 RISB-2-32.0-20181218 RISB-3-0.5-20181218 RISB-3-5.0-20181218 RISB-3-10.0-20181218**)	Orthophosphate as P	61 (80-120)	68 (80-120)	Orthophosphate as P	J- (all detects) UJ (all non-detects)	A
440-228226-1	RISB-2-25.0-20181218MS/MSD (RISB-1-0.5-20181218** RISB-1-5.0-20181218 RISB-1-10.0-20181218** RISB-1-15.0-20181218 RISB-1-20.0-20181218 RISB-1-25.0-20181218 RISB-1-30.0-20181218# RISB-1-32.0-20181218 RISB-2-0.5-20181218 RISB-2-5.0-20181218** RISB-2-10.0-20181218 RISB-2-10.0-20181218-FD RISB-2-15.0-20181218** RISB-2-20.0-20181218 RISB-2-25.0-20181218 RISB-2-30.0-20181218 RISB-2-32.0-20181218 RISB-3-0.5-20181218 RISB-3-5.0-20181218 RISB-3-10.0-20181218**)	Chloride	-	124 (80-120)	Chloride	J+ (all detects)	A

SDG	Spike ID (Associated Samples)	Analyte	MS (%R) (Limits)	MSD (%R) (Limits)	Affected Analyte	Flag	A or P
440-228226-1	RISB-3-10.0-20181218MS/MSD (RISB-1-0.5-20181218** RISB-1-5.0-20181218 RISB-1-10.0-20181218** RISB-1-15.0-20181218 RISB-1-20.0-20181218 RISB-1-25.0-20181218 RISB-1-30.0-20181218# RISB-1-32.0-20181218 RISB-2-0.5-20181218 RISB-2-5.0-20181218** RISB-2-10.0-20181218 RISB-2-10.0-20181218-FD RISB-2-15.0-20181218** RISB-2-20.0-20181218 RISB-2-25.0-20181218 RISB-2-30.0-20181218 RISB-2-32.0-20181218 RISB-3-0.5-20181218 RISB-3-5.0-20181218 RISB-3-10.0-20181218**)	Orthophosphate as P	73 (80-120)	65 (80-120)	Orthophosphate as P	J- (all detects) UJ (all non-detects)	A
440-228226-1	RISB-5-15.0-20181218MS/MSD (RISB-5-10.0-20181218 RISB-5-15.0-20181218)	Orthophosphate as P	-	12 (80-120)	Orthophosphate as P	J- (all detects)	A
440-228226-1	RISB-5-15.0-20181218MS/MSD (RISB-3-15.0-20181218 RISB-3-20.0-20181218 RISB-3-20.0-20181218-FD RISB-3-25.0-20181218** RISB-3-30.0-20181218 RISB-3-32.0-20181218 RISB-4-0.5-20181218 RISB-4-5.0-20181218 RISB-4-10.0-20181218# RISB-4-15.0-20181218 RISB-4-20.0-20181218 RISB-4-25.0-20181218 RISB-4-30.0-20181218# RISB-4-25.5-20181218 RISB-4-27.5-20181218 RISB-5-0.5-20181218 RISB-5-0.5-20181218-FD RISB-5-5.0-20181218#)	Orthophosphate as P	-	12 (80-120)	Orthophosphate as P	R (all non-detects)	A
440-228226-1	RISB-5-15.0-20181218MS/MSD (RISB-5-15.0-20181218)	Nitrite as N	194 (80-120)	133 (80-120)	Nitrite as N	NA	-
440-228226-1	RISB-5-20.0-20181218MS/MSD (RISB-5-20.0-20181218 RISB-5-25.0-20181218** RISB-5-23.0-20181218 RISB-5-23.0-20181218-FD)	Nitrate as NO3	132 (80-120)	126 (80-120)	Nitrate as NO3 Nitrate/Nitrite as N	J+ (all detects) J+ (all detects)	A
440-228226-1	RISB-5-20.0-20181218MS/MSD (RISB-5-20.0-20181218 RISB-5-25.0-20181218** RISB-5-23.0-20181218 RISB-5-23.0-20181218-FD)	Nitrite as N	128 (80-120)	123 (80-120)	Nitrite as N	NA	-

SDG	Spike ID (Associated Samples)	Analyte	MS (%R) (Limits)	MSD (%R) (Limits)	Affected Analyte	Flag	A or P
440-228226-1	RISB-5-20.0-20181218MS/MSD (RISB-5-20.0-20181218 RISB-5-25.0-20181218** RISB-5-23.0-20181218 RISB-5-23.0-20181218-FD)	Orthophosphate as P	69 (80-120)	75 (80-120)	Orthophosphate as P	J- (all detects) UJ (all non-detects)	A
440-228226-1	RISB-4-15.0-20181218MS/MSD (RISB-4-15.0-20181218)	Nitrate as NO3	173 (80-120)	168 (80-120)	Nitrate as NO3	J+ (all detects)	A
440-228226-1	RISB-4-15.0-20181218MS/MSD (RISB-5-10.0-20181218 RISB-5-15.0-20181218)	Orthophosphate as P	35 (80-120)	27 (80-120)	Orthophosphate as P	J- (all detects)	A
440-228226-1	RISB-4-15.0-20181218MS/MSD (RISB-3-15.0-20181218 RISB-3-20.0-20181218 RISB-3-20.0-20181218-FD RISB-3-25.0-20181218** RISB-3-30.0-20181218 RISB-3-32.0-20181218 RISB-4-0.5-20181218 RISB-4-5.0-20181218 RISB-4-10.0-20181218# RISB-4-15.0-20181218 RISB-4-20.0-20181218 RISB-4-25.0-20181218 RISB-4-30.0-20181218# RISB-4-25.5-20181218 RISB-4-27.5-20181218 RISB-5-0.5-20181218 RISB-5-0.5-20181218-FD RISB-5-5.0-20181218#)	Orthophosphate as P	35 (80-120)	27 (80-120)	Orthophosphate as P	R (all non-detects)	A
440-228226-1	RISB-2-25.0-20181218MSI (RISB-1-32.0-20181218)	Hexavalent chromium	113 (55-110)	-	Hexavalent chromium	J (all detects)	A
440-228226-1	RISB-2-25.0-20181218MSI (RISB-1-0.5-20181218** RISB-1-5.0-20181218 RISB-1-10.0-20181218** RISB-1-15.0-20181218 RISB-1-20.0-20181218 RISB-1-25.0-20181218 RISB-1-30.0-20181218# RISB-2-0.5-20181218 RISB-2-5.0-20181218** RISB-2-10.0-20181218 RISB-2-10.0-20181218-FD RISB-2-15.0-20181218** RISB-2-20.0-20181218 RISB-2-25.0-20181218)	Hexavalent chromium	113 (55-110)	-	Hexavalent chromium	NA	-
440-228226-1	RISB-4-15.0-20181218MSI (RISB-2-32.0-20181218 RISB-3-32.0-20181218 RISB-4-30.0-20181218# RISB-4-25.5-20181218 RISB-4-27.5-20181218)	Hexavalent chromium	123 (55-110)	-	Hexavalent chromium	J (all detects)	A

SDG	Spike ID (Associated Samples)	Analyte	MS (%R) (Limits)	MSD (%R) (Limits)	Affected Analyte	Flag	A or P
440-228226-1	RISB-4-15.0-20181218MSI (RISB-2-30.0-20181218 RISB-3-0.5-20181218 RISB-3-5.0-20181218 RISB-3-10.0-20181218** RISB-3-15.0-20181218 RISB-3-20.0-20181218 RISB-3-20.0-20181218-FD RISB-3-25.0-20181218** RISB-3-30.0-20181218 RISB-4-0.5-20181218 RISB-4-5.0-20181218 RISB-4-10.0-20181218# RISB-4-15.0-20181218 RISB-4-20.0-20181218 RISB-4-25.0-20181218)	Hexavalent chromium	123 (55-110)	-	Hexavalent chromium	NA	-
440-233779-1	M-160-20190215MS/MSD (All samples in SDG 440-233779-1)	Nitrite as N Orthophosphate as P	127 (80-120) 170 (80-120)	129 (80-120) 171 (80-120)	Nitrite as N Orthophosphate as P	NA	-
440-233779-1	M-160-20190215MS/MSD (M-159-20190215 M-269-20190215)	Bromide	-	122 (80-120)	Bromide	J+ (all detects)	A
440-233779-1	M-160-20190215MS/MSD (M-160-20190215)	Bromide	-	122 (80-120)	Bromide	NA	-
440-234338-1	M-271-20190221MS/MSD (M-270-20190221 M-270-20190221_FD M-271-20190221)	Sulfide	67 (70-130)	-	Sulfide	UJ (all non-detects)	A
440-235977-1	M-269-20190311MS/MSD (M-269-20190311)	Sulfide	-	58 (70-130)	Sulfide	UJ (all non-detects)	A
440-236091-1	M-270-20190312MS/MSD (M-270-20190312 M-271-20190312 M-160-20190312)	Nitrite as N Orthophosphate as P	145 (80-120) 150 (80-120)	146 (80-120) 164 (80-120)	Nitrite as N Orthophosphate as P	NA	-
440-236091-1	M-159-20190312MS/MSD (M-159-20190312)	Nitrite as N Orthophosphate as P	121 (80-120) 203 (80-120)	121 (80-120) 206 (80-120)	Nitrite as N Orthophosphate as P	NA	-
440-236214-1	M-260-20190313MS/MSD (M-260-20190313 M-261-20190313)	Nitrite as N	158 (80-120)	162 (80-120)	Nitrite as N	NA	-
440-236214-1	M-260-20190313MS/MSD (M-260-20190313)	Nitrate as NO3 Nitrate Nitrite as N Orthophosphate as P Bromide	133 (80-120) 265 (80-120) 134 (80-120)	135 (80-120) 283 (80-120) 137 (80-120)	Nitrate as NO3 Nitrate Nitrite as N Orthophosphate as P Bromide	J+ (all detects) J+ (all detects) J+ (all detects) J+ (all detects)	A

SDG	Spike ID (Associated Samples)	Analyte	MS (%R) (Limits)	MSD (%R) (Limits)	Affected Analyte	Flag	A or P
440-236214-1	M-260-20190313MS/MSD (M-261-20190313)	Nitrate as NO3 Orthophosphate as P Bromide	133 (80-120) 265 (80-120) 134 (80-120)	135 (80-120) 283 (80-120) 137 (80-120)	Nitrate as NO3 Orthophosphate as P Bromide	NA	-
440-236214-1	M-260-20190313MS/MSD (M-260-20190313 M-261-20190313)	Sulfide	67 (70-130)	-	Sulfide	UJ (all non-detects)	A
440-236324-1	M-262-20190314MS/MSD (M-262-20190314 M-262-20190314-FD M-263-20190314)	Nitrite as N	186 (80-120)	188 (80-120)	Nitrite as N	NA	-
440-236324-1	M-262-20190314MS/MSD (M-262-20190314 M-262-20190314-FD)	Orthophosphate as P	159 (80-120)	172 (80-120)	Orthophosphate as P	J+ (all detects)	A
440-236324-1	M-262-20190314MS/MSD (M-263-20190314)	Orthophosphate as P	159 (80-120)	172 (80-120)	Orthophosphate as P	NA	-
440-236324-1	M-262-20190314MS/MSD (M-262-20190314 M-262-20190314-FD)	Bromide	-	121 (80-120)	Bromide	J+ (all detects)	A
440-236324-1	M-262-20190314MS/MSD (M-263-20190314)	Bromide	-	121 (80-120)	Bromide	NA	-
440-236324-1	M-264-20190314MS/MSD (M-262-20190314 M-262-20190314-FD M-263-20190314 M-267-20190314 M-268-20190314 M-264-20190314)	Sulfide	67 (70-130)	67 (70-130)	Sulfide	UJ (all non-detects)	A
440-236394-1	M-260-20190313MS/MSD (M-265-20190315 M-266-20190315)	Sulfide	67 (70-130)	-	Sulfide	UJ (all non-detects)	A

For M-228R-20180413MS/MSD* (from SDG 440-208864-1) and PC-157A-20180529MS/MSD* (from SDG 440-212325-1), RISB-3-10.0-20181218MS/MSD, RISB-4-15.0-20181218MS/MSD, RISB-5-15.0-20181218MS/MSD, and RISB-5-20.0-20181218MS/MSD (all from SDG 440-228226-1), M-160-20190215MS/MSD (from SDG 440-233779-1), M-159-20190312MS/MSD (from SDG 440-236091-1) and M-262-20190314MS/MSD (from SDG 440-236324-1), no data were qualified for chloride and sulfate percent recoveries (%R) outside the QC limits since the parent sample results were greater than 4X the spike concentration.

For PC-156B-20180530MS/MSD* and PC-155A-20180530MS/MSD* (both from SDG 440-212422-1), M-270-20190312MS/MSD (from SDG 440-236091-1) and M-260-20190313MS/MSD (from SDG 440-236214-1), no data were qualified for sulfate percent

recoveries (%R) outside the QC limits since the parent sample results were greater than 4X the spike concentration.

For RISB-EJ-04-1.0-20180925MS/MSD (from SDG 440-220843-1), no data were qualified for perchlorate, chloride, and sulfate percent recoveries (%R) outside the QC limits since the parent sample results were greater than 4X the spike concentration.

For RISB-EJ-01-1.0-20180926MS/MSD (from SDG 440-220951-1), RIDB-34-5-20181212MS/MSD (from SDG 440-227549-2), RIDB-34-50-20181213MS/MSD (from SDG 440-227679-1), RIDB-36-50-20181213MS/MSD (from SDG 440-227679-1), RIDB-34-50-20181213MS/MSD (from SDG 440-227679-2), RISB-4-15.0-20181218MS/MSD and RISB-5-15.0-20181218MS/MSD (both from SDG 440-228226-1), no data were qualified for perchlorate percent recoveries (%R) outside the QC limits since the parent sample results were greater than 4X the spike concentration.

For RIDB-30-50.0-20181008MS**/MSD** (from SDG 440-221747-1), RISB-3-10.0-20181218MS/MSD, RISB-4-25.0-20181218MS/MSD, and RISB-5-25.0-20181218MS/MSD (from SDG 440-228226-1), M-270-20190221MS/MSD and M-271-20190221MS/MSD (both from SDG 440-234338-1), M-160-20190312MS/MSD (from SDG 440-236091-1), no data were qualified for chlorate percent recoveries (%R) outside the QC limits since the parent sample results were greater than 4X the spike concentration.

For RISB-2-25.0-20181218MS/MSD (from SDG 440-228226-1), no data were qualified for sulfate, chlorate, and perchlorate percent recoveries outside the QC limits since the parent sample results were greater than 4X the spike concentration.

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

SDG	Spike ID (Associated Samples)	Analyte	RPD (Limits)	Affected Analyte	Flag	A or P
440-220843-1	RISB-EJ-04-1.0-20180925MS/MSD (All samples in SDG 440-220843-1)	Orthophosphate as P	34 (≤20)	Orthophosphate as P	UJ (all non-detects)	A
440-224653-1	PC-156A-20181116MS/MSD (PC-156A-20181116)	Chlorate	29 (≤25)	Chlorate	UJ (all non-detects)	A

SDG	Spike ID (Associated Samples)	Analyte	RPD (Limits)	Affected Analyte	Flag	A or P
440-228226-1	RISB-5-15.0-20181218MS/MSD (RISB-3-15.0-20181218 RISB-3-20.0-20181218 RISB-3-20.0-20181218-FD RISB-3-25.0-20181218** RISB-3-30.0-20181218 RISB-3-32.0-20181218 RISB-4-0.5-20181218 RISB-4-5.0-20181218 RISB-4-10.0-20181218# RISB-4-15.0-20181218 RISB-4-20.0-20181218 RISB-4-25.0-20181218 RISB-4-30.0-20181218# RISB-4-25.5-20181218 RISB-4-27.5-20181218 RISB-5-0.5-20181218 RISB-5-0.5-20181218-FD RISB-5-5.0-20181218# RISB-5-10.0-20181218 RISB-5-15.0-20181218)	Orthophosphate as P	89 (≤20)	Orthophosphate as P	J (all detects) UJ (all non-detects)	A
440-228226-1	RISB-5-15.0-20181218MS/MSD (RISB-5-15.0-20181218)	Nitrite as N Bromide	39 (≤20) 26 (≤20)	Nitrite as N Nitrate/Nitrite as N Bromide	J (all detects) UJ (all non-detects)	A
440-228226-1	RISB-5-15.0-20181218MS/MSD (RISB-5-15.0-20181218)	Sulfate	25 (≤20)	Sulfate	J (all detects)	A
440-228226-1	RISB-5-15.0-20181218MS/MSD (RISB-5-15.0-20181218 RISB-5-20.0-20181218 RISB-5-25.0-20181218** RISB-5-23.0-20181218 RISB-5-23.0-20181218-FD)	Perchlorate	18 (≤18)	Perchlorate	J (all detects)	A
440-228226-1	RISB-4-15.0-20181218MS/MSD (RISB-3-15.0-20181218 RISB-3-20.0-20181218 RISB-3-20.0-20181218-FD RISB-3-25.0-20181218** RISB-3-30.0-20181218 RISB-3-32.0-20181218 RISB-4-0.5-20181218 RISB-4-5.0-20181218 RISB-4-10.0-20181218 RISB-4-15.0-20181218 RISB-4-20.0-20181218 RISB-4-25.0-20181218 RISB-4-30.0-20181218 RISB-4-25.5-20181218 RISB-4-27.5-20181218 RISB-5-0.5-20181218 RISB-5-0.5-20181218-FD RISB-5-5.0-20181218 RISB-5-10.0-20181218 RISB-5-15.0-20181218)	Orthophosphate as P	28 (≤20)	Orthophosphate as P	J (all detects) UJ (all non-detects)	A

SDG	Spike ID (Associated Samples)	Analyte	RPD (Limits)	Affected Analyte	Flag	A or P
440-236214-1	M-260-20190313MS/MSD (M-260-20190313 M-261-20190313)	Sulfide	32 (≤30)	Sulfide	UJ (all non-detects)	A
440-236394-1	M-260-20190313MS/MSD (M-265-20190315 M-266-20190315)	Sulfide	32 (≤30)	Sulfide	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 with the following exceptions:

SDG	LCS ID (Associated Samples)	Analyte	LCS %R (Limits)	LCSD %R (Limits)	Flag	A or P
440-228226-1	MRL (RISB-5-5.0-20181218#)	Chlorate	470 (50-150)	-	J+ (all detects)	A

Relative percent differences (RPD) were within QC limits.

X. Field Duplicates

Samples PCDB-6-70.0-20180328 and PCDB-6-70.0-20180328-FD (both from SDG 440-207465-1), samples PC-156B-20180530* and PC-156B-20180530-FD* (both from SDG 440-212422-1), samples RISB-EJ-03-1.0-20180925 and RISB-EJ-03-1.0-20180925-FD (both from SDG 440-220843-1), samples RIDB-30-130.0-20181009 and RIDB-30-130.0-20181009-FD (from SDG 440-221888-1), samples RIDB-31-140.0-20181010 and RIDB-31-140.0-20181010-FD, samples RIDB-32-80.0-20181010 and RIDB-32-80.0-20181010-FD (both from SDG 440-221976-1), samples RIDB-33-100.0-20181011 and RIDB-33-100.0-20181011-FD (from SDG 440-222098-1), samples PC-155A-20181115 and PC-155A-20181115-FD (both from SDG 440-224542-1), samples RIDB-35-100-20181212** and RIDB-35-100-20181212-FD** (both from SDG 440-227549-1), samples RIDB-35-100-20181212 and RIDB-35-100-20181212-FD (both from SDG 440-227549-2), samples RIDB-34-70-20181213 and RIDB-34-70-20181213-

FD (both from SDG 440-227679-1), samples RIDB-34-140-20181213 and RIDB-34-140-20181213-FD (from SDG 440-227679-1), samples RIDB-34-70-20181213 and RIDB-34-70-20181213-FD (both from SDG 440-227679-2), samples RIDB-34-140-20181213 and RIDB-34-140-20181213-FD (both from SDG 440-227679-2), samples RIDB-36-120-20181214 and RIDB-36-120-20181214-FD (both from SDG 440-227911-1), samples RIDB-36-120-20181214 and RIDB-36-120-20181214-FD (both from SDG 440-227911-2), samples M-270-20190221 and M-270-20190221_FD (both from SDG 440-234338-1), and samples M-262-20190314 and M-262-20190314-FD (both from SDG 440-236324-1) 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
		PCDB-6-70.0-20180328	PCDB-6-70.0-20180328-FD			
440-207465-1	Perchlorate	0.019	0.017U	200 (≤50)	NQ	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		PC-156B-20180530*	PC-156B-20180530-FD*			
440-212422-1	Chloride	440 mg/L	450 mg/L	2 (≤30)	-	-
	Nitrate as N	160 ug/L	160 ug/L	0 (≤30)	-	-
	Nitrate as NO3	0.72 mg/L	0.71 mg/L	1 (≤30)	-	-
	Sulfate	690 mg/L	690 mg/L	0 (≤30)	-	-
	Perchlorate	720 ug/L	730 ug/L	1 (≤30)	-	-
	Nitrate/Nitrite as N	160 ug/L	160 ug/L	0 (≤30)	-	-
	pH	8.0 SU	8.1 SU	1 (≤30)	-	-
	Alkalinity as CaCO3	250000 ug/L	250000 ug/L	0 (≤30)	-	-
	Bicarbonate ion as HCO3	310000 ug/L	310000 ug/L	0 (≤30)	-	-
	Specific conductance	3300 umhos/cm	3300 umhos/cm	0 (≤30)	-	-
	Total dissolved solids	2100000 ug/L	2100000 ug/L	0 (≤30)	-	-
	Ferric iron	0.52 mg/L	0.31 mg/L	51 (≤30)	J (all detects)	A
	Dissolved organic carbon	3000 ug/L	2900 ug/L	3 (≤30)	-	-

SDG	Analyte	Concentration (mg/Kg)		RPD (Limits)	Flag	A or P
		RISB-EJ-03-1.0-20180925	RISB-EJ-03-1.0-20180925-FD			
440-220843-1	Chlorate	0.53	0.53	0 (≤50)	-	-
	Ammonia as N	3.6	3.4	6 (≤50)	-	-
	Ammonia as NH3	4.4	4.1	7 (≤50)	-	-
	Chloride	610	580	5 (≤50)	-	-
	Nitrate as N	4.1	6.4	44 (≤50)	-	-
	Perchlorate	2.2	2.4	9 (≤50)	-	-
	Sulfate	110	110	0 (≤50)	-	-

SDG	Analyte	Concentration (mg/Kg)		RPD (Limits)	Flag	A or P
		RIDB-30-130.0-20181009	RIDB-30-130.0-20181009-FD			
440-221888-1	Nitrate as N	1.3	1.3	0 (≤50)	-	-
	Chlorate	0.038	0.031	20 (≤50)	-	-

SDG	Analyte	Concentration (mg/Kg)		RPD (Limits)	Flag	A or P
		RIDB-31-140.0-20181010	RIDB-31-140.0-20181010-FD			
440-221976-1	Nitrate as N	1.7	1.6	6 (≤50)	-	-

SDG	Analyte	Concentration (mg/Kg)		RPD (Limits)	Flag	A or P
		RIDB-32-80.0-20181010	RIDB-32-80.0-20181010-FD			
440-221976-1	Nitrate as N	1.4	1.4	0 (≤50)	-	-

SDG	Analyte	Concentration (mg/Kg)		RPD (Limits)	Flag	A or P
		RIDB-33-100.0-20181011	RIDB-33-100.0-20181011-FD			
440-222098-1	Chlorate	0.20	0.20	0 (≤50)	-	-
	Perchlorate	0.038	0.026	38 (≤50)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		PC-155A-20181115	PC-155A-20181115-FD			
440-224542-1	Chloride	460 mg/L	530 mg/L	14 (≤30)	-	-
	Sulfate	1000 mg/L	1200 mg/L	18 (≤30)	-	-
	Bromide	1.0 mg/L	1.6 mg/L	46 (≤30)	NQ	-
	Nitrate as NO3	16 mg/L	16 mg/L	0 (≤30)	-	-
	Chlorate	440 ug/L	450 ug/L	2 (≤30)	-	-
	Perchlorate	3200 ug/L	3300 ug/L	3 (≤30)	-	-
	Total phosphorus	38 ug/L	36 ug/L	5 (≤30)	-	-
	pH	7.9 SU	8.0 SU	1 (≤30)	-	-
	Alkalinity as CaCO3	190000 ug/L	180000 ug/L	5 (≤30)	-	-
	Bicarbonate ion as HCO3	230000 ug/L	230000 ug/L	0 (≤30)	-	-
	Specific conductance	4200 umhos/cm	4200 umhos/cm	0 (≤30)	-	-
	Total dissolved solids	3300000 ug/L	3300000 ug/L	0 (≤30)	-	-
	Dissolved organic carbon	1900 ug/L	2100 ug/L	10 (≤30)	-	-

SDG	Analyte	Concentration (mg/Kg)		RPD (Limits)	Flag	A or P
		RIDB-35-100-20181212**	RIDB-35-100-20181212-FD**			
440-227549-1	Chloride	0.28	0.27	-	NQ	-

SDG	Analyte	Concentration (mg/Kg)		RPD (Limits)	Flag	A or P
		RIDB-35-100-20181212**	RIDB-35-100-20181212-FD**			
	Nitrate as N	1.7	1.8	-	NQ	-

SDG	Analyte	Concentration (mg/Kg)		RPD (Limits)	Flag	A or P
		RIDB-35-100-20181212	RIDB-35-100-20181212-FD			
440-227549-2	Perchlorate	0.028	0.017U	-	NQ	-

SDG	Analyte	Concentration (mg/Kg)		RPD (Limits)	Flag	A or P
		RIDB-34-70-20181213	RIDB-34-70-20181213-FD			
440-227679-1	Nitrate as NO3	7.6	6.2	-	NQ	-
	Chlorate	12	11	9 (≤50)	-	-

SDG	Analyte	Concentration (mg/Kg)		RPD (Limits)	Flag	A or P
		RIDB-34-140-20181213	RIDB-34-140-20181213-FD			
440-227679-1	Chlorate	0.070	0.066	-	NQ	-

SDG	Analyte	Concentration (mg/Kg)		RPD (Limits)	Flag	A or P
		RIDB-34-70-20181213	RIDB-34-70-20181213-FD			
440-227679-2	Perchlorate	34	23	39 (≤50)	-	-

SDG	Analyte	Concentration (mg/Kg)		RPD (Limits)	Flag	A or P
		RIDB-34-140-20181213	RIDB-34-140-20181213-FD			
440-227679-2	Perchlorate	0.035	0.014	-	NQ	-

SDG	Analyte	Concentration (mg/Kg)		RPD (Limits)	Flag	A or P
		RIDB-36-120-20181214	RIDB-36-120-20181214-FD			
440-227911-1	Chlorate	0.15	0.14	-	NQ	-

SDG	Analyte	Concentration (mg/Kg)		RPD (Limits)	Flag	A or P
		RIDB-36-120-20181214	RIDB-36-120-20181214-FD			
440-227911-2	Perchlorate	0.050	0.049	2 (≤50)	-	-

SDG	Analyte	Concentration (mg/Kg)		RPD (Limits)	Flag	A or P
		RISB-2-10.0-20181218	RISB-2-10.0-20181218-FD			
440-228226-1	Alkalinity as CaCO3	41000	42000	2 (≤50)	-	-
	Alkalinity bicarbonate as HCO3	48000	50000	4 (≤50)	-	-
	Alkalinity carbonate as CO3	650	650	0 (≤50)	-	-
	Ammonia as NH3	6.1	6.3	3 (≤50)	NQ	-
	Bromide	3.8	3.8 U	0 (≤200)	NQ	-
	Chloride	470	450	4 (≤50)	-	-
	Chlorate	3.8	3.8	0 (≤50)	-	-
	Nitrate as NO3	27	27	0 (≤50)	-	-
	Nitrate/Nitrite as N	6.1	6.2	2 (≤50)	-	-
	Orthophosphate as PO4	5.0	5.2	4 (≤50)	NQ	-
	Perchlorate	51	52	2 (≤50)	-	-
	Sulfate	320	310	3 (≤50)	-	-

SDG	Analyte	Concentration (mg/Kg)		RPD (Limits)	Flag	A or P
		RISB-3-20.0-20181218	RISB-3-20.0-20181218-FD			
440-228226-1	Alkalinity as CaCO3	15000	16000	6 (≤50)	-	-
	Alkalinity bicarbonate as HCO3	17000	18000	6 (≤50)	-	-
	Alkalinity carbonate as CO3	640	640	0 (≤50)	-	-
	Ammonia as NH3	14	14	0 (≤50)	-	-
	Bromide	3.9	3.9	0 (≤50)	NQ	-
	Chloride	450	520	14 (≤50)	-	-
	Chlorate	3.3	3.4	3 (≤50)	-	-
	Nitrate as NO3	16	13	21 (≤50)	-	-
	Nitrate/Nitrite as N	3.7	2.9	24 (≤50)	-	-
	Perchlorate	220	250	13 (≤50)	-	-
	Sulfate	120	110	9 (≤50)	-	-

SDG	Analyte	Concentration (mg/Kg)		RPD (Limits)	Flag	A or P
		RISB-5-0.5-20181218	RISB-5-0.5-20181218-FD			
440-228226-1	Alkalinity as CaCO3	2600	2600	0 (≤50)	-	-
	Alkalinity bicarbonate as HCO3	1300	1300	0 (≤50)	-	-
	Alkalinity carbonate as CO3	930	930	0 (≤50)	-	-
	Ammonia as NH3	16	15	6 (≤50)	-	-
	Chloride	61	27	77 (≤50)	J (all detects)	A
	Chlorate	0.43	0.43	0 (≤50)	-	-
	Nitrate as NO3	34	25	31 (≤50)	-	-
	Nitrate/Nitrite as N	7.7	5.6	32 (≤50)	-	-
	Perchlorate	15	5.4	94 (≤50)	J (all detects)	A

SDG	Analyte	Concentration (mg/Kg)		RPD (Limits)	Flag	A or P
		RISB-5-0.5-20181218	RISB-5-0.5-20181218-FD			
440-228226-1	Sulfate	150	75	67 (≤50)	J (all detects)	A

SDG	Analyte	Concentration (mg/Kg)		RPD (Limits)	Flag	A or P
		RISB-5-23.0-20181218	RISB-5-23.0-20181218-FD			
440-228226-1	Alkalinity as CaCO3	5200	5000	4 (≤50)	-	-
	Alkalinity bicarbonate as HCO3	6400	6100	5 (≤50)	-	-
	Ammonia as NH3	1500	1500	0 (≤50)	-	-
	Bromide	3.9 U	9.9	87 (≤200)	NQ	-
	Chloride	4700	4800	2 (≤50)	-	-
	Chlorate	32	32	0 (≤50)	-	-
	Hexavalent chromium	0.23	0.22	4 (≤50)	NQ	-
	Nitrate as NO3	13	22	51 (≤50)	J (all detects)	A
	Nitrate/Nitrite as N	3.0	5.0	50 (≤50)	-	-
	Orthophosphate as PO4	4.4 U	6.9	44 (≤200)	NQ	-
	Perchlorate	14000	14000	0 (≤50)	-	-
	Sulfate	670	690	3 (≤50)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		M-270-20190221	M-270-20190221_FD			
440-234338-1	Bicarbonate ion as HCO3	110000 ug/L	110000 ug/L	0 (≤30)	-	-
	Alkalinity as CaCO3	92000 ug/L	91000 ug/L	1 (≤30)	-	-
	Chlorate	2100 ug/L	2100 ug/L	0 (≤30)	-	-
	Chloride	82000 ug/L	87000 ug/L	6 (≤30)	-	-
	Hexavalent chromium	23 ug/L	23 ug/L	0 (≤30)	-	-
	Nitrate as NO3	8.1 mg/L	9.0 mg/L	11 (≤30)	-	-
	Nitrate/Nitrite as N	1800 ug/L	2000 ug/L	11 (≤30)	-	-
	Perchlorate	820 ug/L	590 ug/L	33 (≤30)	J (all detects)	A
	Specific conductance	850 umhos/cm	850 umhos/cm	0 (≤30)	-	-
	Sulfate	170000 ug/L	170000 ug/L	0 (≤30)	-	-
	Total dissolved solids	520000 ug/L	520000 ug/L	0 (≤30)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		M-262-20190314	M-262-20190314-FD			
440-236324-1	Bromide	260 ug/L	250 ug/L	4 (≤30)	-	-
	Nitrate as NO3	0.44 mg/L	0.44 mg/L	0 (≤30)	-	-
	Orthophosphate as P	170 ug/L	150 ug/L	13 (≤30)	-	-
	Chloride	150000 ug/L	150000 ug/L	0 (≤30)	-	-
	Sulfate	190000 ug/L	190000 ug/L	0 (≤30)	-	-
	Perchlorate	24 ug/L	23 ug/L	4 (≤30)	-	-
	Nitrate/Nitrite as N	99 ug/L	100 ug/L	1 (≤30)	-	-
	Alkalinity as CaCO3	120000 ug/L	120000 ug/L	0 (≤30)	-	-
	Bicarbonate ion as HCO3	140000 ug/L	140000 ug/L	0 (≤30)	-	-
	Specific conductance	1100 umhos/cm	1100 umhos/cm	0 (≤30)	-	-
	Total dissolved solids	670000 ug/L	680000 ug/L	1 (≤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 verification met validation criteria with the following exceptions:

SDG	Sample	Analyte	Finding	Criteria	Flag	A or P
440-228226-1	RISB-3-10.0-20181218**	Chloride	Sample result exceeded linear range.	Reported result should be within linear range.	J (all detects)	A
440-228226-1	RISB-4-15.0-20181218	Chloride	Sample result exceeded linear range.	Reported result should be within linear range.	J (all detects)	A
440-228226-1	RISB-5-20.0-20181218	Chloride Sulfate	Sample result exceeded linear range.	Reported result should be within linear range.	J (all detects) J (all detects)	A

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.

In the case where more than one result was reported for an individual sample, the least technically acceptable results were deemed not reportable as follows:

SDG	Sample	Compound	Finding	Flag	A or P
440-221888-1	RIDB-30-130.0-20181009RE	Perchlorate	Perchlorate confirmation run; sample had same result as original run with low MS/MSD %R.	Do not report	-

SDG	Sample	Compound	Flag	A or P
440-228226-1	RISB-3-10.0-20181218**	Chloride	Not reportable	-
440-228226-1	RISB-4-15.0-20181218	Chloride	Not reportable	-
440-228226-1	RISB-5-20.0-20181218	Chloride Sulfate	Not reportable	-

Due to technical holding time and MS/MSD %R, data were rejected in twenty-eight samples.

Due to technical holding time, surrogate %R, MS/MSD %R and RPD, LCS %R, field duplicate RPD, and results exceeding calibration range, data were qualified as estimated in one hundred seventy-six samples.

Due to laboratory 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.

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Wet Chemistry - Data Qualification Summary - SDGs 440-207465-1, 440-207514-1, 440-207516-1, 440-208864-1, 440-212325-1, 440-212422-1, 440-220771-1, 440-220771-2, 440-220843-1, 440-220843-2, 440-220951-1, 440-220951-2, 440-221747-1, 440-221888-1, 440-221976-1, 440-222098-1, 440-224426-1, 440-224542-1, 440-224653-1, 440-227549-1, 440-227549-2, 440-227679-1, 440-227679-2, 440-227911-1, 440-227911-2, 440-228162-1, 440-228167-1, 440-228226-1, 440-228316-1, 440-229619-1, 440-229808-1, 440-233779-1, 440-234338-1, 440-235977-1, 440-236091-1, 440-236214-1, 440-236324-1, 440-236394-1

SDG	Sample	Analyte	Flag	A or P	Reason (Code)
440-207516-1	PC-170R-20180329* PC-40R-20180329* PC-187R-20180329* MC-65R2-20180329* MC-MW-37R2-20180329*	pH	J (all detects)	P	Technical holding times (h)
440-208864-1	M-224R-20180413* M-225R-20180413* M-228R-20180413*	Hexavalent chromium	J- (all detects)	P	Technical holding times (h)
440-208864-1	M-227R-20180413*	Hexavalent chromium	R (all non-detects)	P	Technical holding times (h)
440-208864-1	M-224R-20180413* M-225R-20180413* M-227R-20180413* M-228R-20180413*	pH	J (all detects)	P	Technical holding times (h)
440-212325-1	PC-157A-20180529* PC-157B-20180529*	pH	J (all detects)	P	Technical holding times (h)
440-212422-1	PC-156A-20180530* PC-156B-20180530* PC-156B-20180530-FD* PC-155B-20180530* PC-155A-20180530* PC-156A-20180530-EB*	pH	J (all detects)	P	Technical holding times (h)
440-212422-1	PC-156A-20180530* PC-156B-20180530* PC-156B-20180530-FD* PC-155B-20180530* PC-155A-20180530* PC-156A-20180530-EB*	Ferrous iron	UJ (all non-detects)	P	Technical holding times (h)
440-224426-1	PC-172D-20181114 PC-168-20181114 PC-176-20181114	pH	J (all detects)	P	Technical holding times (h)

SDG	Sample	Analyte	Flag	A or P	Reason (Code)
440-224542-1	PC-155A-20181115 PC-155A-20181115-FD PC-157A-20181115 PC-157B-20181115 PC-155B-20181115	pH	J (all detects)	P	Technical holding times (h)
440-224653-1	PC-156B-20181116 PC-156A-20181116 EB-20181116	pH	J (all detects)	P	Technical holding times (h)
440-228167-1	M-260-20181213* M-261-20181213* M-262-20181213* M-263-20181214* M-264-20181214* M-265-20181215*	Nitrate as NO3 Nitrate/Nitrite as N	J (all detects) J (all detects)	P	Technical holding times (h)
440-234338-1	M-270-20190221 M-270-20190221_FD	Hexavalent chromium	J- (all detects)	P	Technical holding times (h)
440-236324-1	M-262-20190314 M-262-20190314-FD	Hexavalent chromium	UJ (all non-detects)	P	Technical holding times (h)
440-227549-1	RIDB-35-30-20181212** RIDB-35-40-20181212** RIDB-35-50-20181212** RIDB-35-60-20181212**	Chlorate	J- (all detects)	A	Surrogates (%R) (s)
440-227679-1	RIDB-34-50-20181213 RIDB-34-60-20181213 RIDB-36-30-20181213 RIDB-36-40-20181213 RIDB-36-50-20181213	Chlorate	J- (all detects)	A	Surrogates (%R) (s)
440-227911-1	RIDB-36-60-20181214	Chlorate	J- (all detects)	A	Surrogates (%R) (s)
440-228226-1	RISB-1-32.0-20181218 RISB-2-32.0-20181218 RISB-3-32.0-20181218 RISB-4-30.0-20181218# RISB-4-27.5-20181218	Chlorate	J- (all detects)	A	Surrogates (%R) (s)
440-208864-1	M-228R-20180413*	Nitrite as N Nitrate/Nitrite as N Bromide	J+ (all detects) J+ (all detects) J+ (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-220771-2	RISB-ER-02-1.0-20180924 RISB-ER-02-10.0-20180924 RISB-EJ-02-1.0-20180924 RISB-EJ-02-10.0-20180924	Pyruvic acid	UJ (all non-detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)

SDG	Sample	Analyte	Flag	A or P	Reason (Code)
440-220843-1	RISB-EJ-04-1.0-20180925 RISB-EJ-04-10.0-20180925 RISB-EJ-03-1.0-20180925 RISB-EJ-03-1.0-20180925-FD RISB-EJ-03-10.0-20180925 RISB-ER-03-1.0-20180925 RISB-ER-03-10.0-20180925 RISB-ER-01-1.0-20180925 RISB-ER-01-10.0-20180925	Chlorate	J+ (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-220843-1	RISB-EJ-04-1.0-20180925 RISB-EJ-04-10.0-20180925 RISB-EJ-03-1.0-20180925 RISB-EJ-03-1.0-20180925-FD RISB-EJ-03-10.0-20180925 RISB-ER-03-1.0-20180925 RISB-ER-03-10.0-20180925 RISB-ER-01-1.0-20180925 RISB-ER-01-10.0-20180925	Orthophosphate as P	R (all non-detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-220843-1	RISB-EJ-04-1.0-20180925 RISB-EJ-03-1.0-20180925 RISB-EJ-03-1.0-20180925-FD RISB-EJ-03-10.0-20180925 RISB-ER-03-1.0-20180925 RISB-ER-03-10.0-20180925 RISB-ER-01-1.0-20180925	Nitrate as N	J+ (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-220843-1	RISB-EJ-04-1.0-20180925 RISB-EJ-04-10.0-20180925 RISB-EJ-03-1.0-20180925 RISB-EJ-03-1.0-20180925-FD RISB-EJ-03-10.0-20180925 RISB-ER-03-1.0-20180925 RISB-ER-03-10.0-20180925 RISB-ER-01-1.0-20180925 RISB-ER-01-10.0-20180925	Fluoride	UJ (all non-detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-220843-2	RISB-EJ-04-1.0-20180925 RISB-EJ-04-10.0-20180925 RISB-EJ-03-1.0-20180925 RISB-EJ-03-1.0-20180925-FD RISB-EJ-03-10.0-20180925 RISB-ER-03-1.0-20180925 RISB-ER-03-10.0-20180925 RISB-ER-01-1.0-20180925 RISB-ER-01-10.0-20180925	Pyruvic acid	UJ (all non-detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)

SDG	Sample	Analyte	Flag	A or P	Reason (Code)
440-221888-1	RIDB-30-130.0-20181009 RIDB-30-140.0-20181009 RIDB-30-150.0-20181009 RIDB-31-50.0-20181009 RIDB-31-60.0-20181009 RIDB-31-70.0-20181009 RIDB-31-80.0-20181009 RIDB-31-90.0-20181009 RIDB-31-100.0-20181009 RIDB-31-110.0-20181009 RIDB-31-120.0-20181009 RIDB-31-130.0-20181009 RIDB-30-130.0-20181009-FD	Perchlorate	J- (all detects) UJ (all non-detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-221976-1	RIDB-31-140.0-20181010 RIDB-31-140.0-20181010-FD RIDB-31-150.0-20181010 RIDB-32-50.0-20181010 RIDB-32-60.0-20181010 RIDB-32-70.0-20181010 RIDB-32-80.0-20181010 RIDB-32-80.0-20181010-FD RIDB-32-90.0-20181010 RIDB-32-100.0-20181010 RIDB-32-110.0-20181010 RIDB-32-120.0-20181010 RIDB-32-130.0-20181010 RIDB-32-140.0-20181010 RIDB-32-150.0-20181010	Perchlorate	J- (all detects) UJ (all non-detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-222098-1	RIDB-33-50.0-20181011 RIDB-33-60.0-20181011 RIDB-33-70.0-20181011 RIDB-33-80.0-20181011 RIDB-33-90.0-20181011 RIDB-33-100.0-20181011 RIDB-33-100.0-20181011-FD RIDB-33-110.0-20181011 RIDB-33-120.0-20181011 RIDB-33-130.0-20181011 RIDB-33-140.0-20181011 RIDB-33-150.0-20181011	Perchlorate	J- (all detects) UJ (all non-detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-224426-1	PC-172D-20181114 PC-168-20181114 PC-176-20181114	Sulfide	UJ (all non-detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-227549-1	RIDB-35-1-20181212** RIDB-35-5-20181212** RIDB-35-10-20181212** RIDB-35-20-20181212** RIDB-35-70-20181212** RIDB-35-80-20181212** RIDB-35-90-20181212** RIDB-35-100-20181212** RIDB-35-100-20181212-FD** RIDB-35-130-20181212** RIDB-34-1-20181212**	Chlorate	J+ (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)

SDG	Sample	Analyte	Flag	A or P	Reason (Code)
440-227679-1	RIDB-34-10-20181213** RIDB-34-20-20181213** RIDB-34-30-20181213** RIDB-34-40-20181213** RIDB-34-50-20181213** RIDB-34-60-20181213** RIDB-36-1-20181213** RIDB-36-5-20181213** RIDB-36-10-20181213**	Nitrate as NO3 Nitrate/Nitrite as N	J+ (all detects) J+ (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-227679-1	RIDB-34-70-20181213 RIDB-34-70-20181213-FD RIDB-34-80-20181213 RIDB-34-90-20181213 RIDB-34-110-20181213 RIDB-34-120-20181213 RIDB-34-130-20181213 RIDB-34-150-20181213	Nitrate as NO3	J+ (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-227679-1	RIDB-34-10-20181213 RIDB-34-20-20181213 RIDB-34-30-20181213 RIDB-34-40-20181213 RIDB-34-50-20181213 RIDB-34-70-20181213 RIDB-34-70-20181213-FD RIDB-34-80-20181213 RIDB-34-90-20181213 RIDB-34-100-20181213 RIDB-34-110-20181213 RIDB-34-120-20181213 RIDB-34-130-20181213 RIDB-34-140-20181213 RIDB-34-140-20181213-FD RIDB-34-150-20181213 RIDB-36-5-20181213 RIDB-36-10-20181213	Chlorate	J+ (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-228226-1	RISB-1-0.5-20181218** RISB-1-5.0-20181218 RISB-1-10.0-20181218** RISB-1-15.0-20181218 RISB-1-20.0-20181218 RISB-1-25.0-20181218 RISB-1-30.0-20181218# RISB-1-32.0-20181218 RISB-2-0.5-20181218 RISB-2-5.0-20181218** RISB-2-10.0-20181218 RISB-2-10.0-20181218-FD RISB-2-15.0-20181218** RISB-2-20.0-20181218 RISB-2-25.0-20181218 RISB-2-30.0-20181218 RISB-2-32.0-20181218 RISB-3-0.5-20181218 RISB-3-5.0-20181218 RISB-3-10.0-20181218**	Orthophosphate as P	J- (all detects) UJ (all non-detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)

SDG	Sample	Analyte	Flag	A or P	Reason (Code)
440-228226-1	RISB-1-0.5-20181218** RISB-1-5.0-20181218 RISB-1-10.0-20181218** RISB-1-15.0-20181218 RISB-1-20.0-20181218 RISB-1-25.0-20181218 RISB-1-30.0-20181218# RISB-1-32.0-20181218 RISB-2-0.5-20181218 RISB-2-5.0-20181218** RISB-2-10.0-20181218 RISB-2-10.0-20181218-FD RISB-2-15.0-20181218** RISB-2-20.0-20181218 RISB-2-25.0-20181218 RISB-2-30.0-20181218 RISB-2-32.0-20181218 RISB-3-0.5-20181218 RISB-3-5.0-20181218 RISB-3-10.0-20181218**	Chloride	J+ (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-228226-1	RISB-5-10.0-20181218 RISB-5-15.0-20181218	Orthophosphate as P	J- (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-228226-1	RISB-3-15.0-20181218 RISB-3-20.0-20181218 RISB-3-20.0-20181218-FD RISB-3-25.0-20181218** RISB-3-30.0-20181218 RISB-3-32.0-20181218 RISB-4-0.5-20181218 RISB-4-5.0-20181218 RISB-4-10.0-20181218# RISB-4-15.0-20181218 RISB-4-20.0-20181218 RISB-4-25.0-20181218 RISB-4-30.0-20181218# RISB-4-25.5-20181218 RISB-4-27.5-20181218 RISB-5-0.5-20181218 RISB-5-0.5-20181218-FD RISB-5-5.0-20181218#	Orthophosphate as P	R (all non-detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-228226-1	RISB-5-20.0-20181218 RISB-5-25.0-20181218** RISB-5-23.0-20181218 RISB-5-23.0-20181218-FD	Nitrate as NO3 Nitrate/Nitrite as N	J+ (all detects) J+ (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-228226-1	RISB-4-15.0-20181218	Nitrate as NO3	J+ (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-228226-1	RISB-5-20.0-20181218 RISB-5-25.0-20181218** RISB-5-23.0-20181218 RISB-5-23.0-20181218-FD	Orthophosphate as P	J- (all detects) UJ (all non-detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)

SDG	Sample	Analyte	Flag	A or P	Reason (Code)
440-228226-1	RISB-1-32.0-20181218 RISB-2-32.0-20181218 RISB-3-32.0-20181218 RISB-4-30.0-20181218 RISB-4-25.5-20181218 RISB-4-27.5-20181218	Hexavalent chromium	J (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-233779-1	M-159-20190215 M-269-20190215	Bromide	J+ (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-234338-1	M-270-20190221 M-270-20190221_FD M-271-20190221	Sulfide	UJ (all non-detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-235977-1	M-269-20190311	Sulfide	UJ (all non-detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-236214-1	M-260-20190313	Nitrate as NO3 Nitrate Nitrite as N Orthophosphate as P Bromide	J+ (all detects) J+ (all detects) J+ (all detects) J+ (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-236214-1	M-260-20190313 M-261-20190313	Sulfide	UJ (all non-detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-236324-1	M-262-20190314 M-262-20190314-FD	Orthophosphate as P	J+ (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-236324-1	M-262-20190314 M-262-20190314-FD	Bromide	J+ (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-236324-1	M-262-20190314 M-262-20190314-FD M-263-20190314 M-267-20190314 M-268-20190314 M-264-20190314	Sulfide	UJ (all non-detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-236394-1	M-265-20190315 M-266-20190315	Sulfide	UJ (all non-detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-224653-1	PC-156A-20181116	Chlorate	UJ (all non-detects)	A	Matrix spike/Matrix spike duplicate (RPD) (ld)
440-228226-1	RISB-5-10.0-20181218 RISB-5-15.0-20181218	Orthophosphate as P	J (all detects)	A	Matrix spike/Matrix spike duplicate (RPD) (ld)

SDG	Sample	Analyte	Flag	A or P	Reason (Code)
440-228226-1	RISB-5-15.0-20181218	Nitrite as N Nitrate/Nitrite as N Bromide	J (all detects) UJ (all non-detects)	A	Matrix spike/Matrix spike duplicate (RPD) (Id)
440-228226-1	RISB-5-15.0-20181218	Sulfate	J (all detects)	A	Matrix spike/Matrix spike duplicate (RPD) (Id)
440-228226-1	RISB-5-15.0-20181218 RISB-5-20.0-20181218 RISB-5-25.0-20181218** RISB-5-23.0-20181218 RISB-5-23.0-20181218-FD	Perchlorate	J (all detects)	A	Matrix spike/Matrix spike duplicate (RPD) (Id)
440-236214-1	M-260-20190313 M-261-20190313	Sulfide	UJ (all non-detects)	A	Matrix spike/Matrix spike duplicate (RPD) (Id)
440-236394-1	M-265-20190315 M-266-20190315	Sulfide	UJ (all non-detects)	A	Matrix spike/Matrix spike duplicate (RPD) (Id)
440-228226-1	RISB-5-5.0-20181218#	Chlorate	J+ (all detects)	A	Laboratory control samples (%R) (I)
440-212422-1	PC-156B-20180530* PC-156B-20180530-FD*	Ferric iron	J (all detects)	A	Field duplicates (RPD) (fd)
440-228226-1	RISB-5-0.5-20181218 RISB-5-0.5-20181218-FD	Chloride Perchlorate Sulfate	J (all detects) J (all detects) J (all detects)	A	Field duplicates (RPD) (fd)
440-228226-1	RISB-5-23.0-20181218 RISB-5-23.0-20181218-FD	Nitrate as NO3	J (all detects)	A	Field duplicates (RPD) (fd)
440-234338-1	M-270-20190221 M-270-20190221_FD	Perchlorate	J (all detects)	A	Field duplicates (RPD) (fd)
440-228226-1	RISB-3-10.0-20181218** RISB-4-15.0-20181218	Chloride	J (all detects)	A	Sample result verification (exceeded range) (e)
440-221888-1	RIDB-30-130.0-20181009RE	Perchlorate	Do not report	-	Overall assessment of data (orr)
440-228226-1	RISB-3-10.0-20181218**	Chloride	Not reportable	-	Overall assessment of data (orr)
440-228226-1	RISB-4-15.0-20181218	Chloride	Not reportable	-	Overall assessment of data (orr)
440-228226-1	RISB-5-20.0-20181218	Chloride Sulfate	Not reportable	-	Overall assessment of data (orr)

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SDG	Sample	Analyte	Modified Final Concentration	A or P	Code
440-228226-1	RISB-1-15.0-20181218	Bicarbonate as HCO3	2500J+ mg/Kg	A	bl
440-228226-1	RISB-5-0.5-20181218	Bicarbonate as HCO3	1300J+ mg/Kg	A	bl
440-228226-1	RISB-5-0.5-20181218-FD	Bicarbonate as HCO3	1300J+ mg/Kg	A	bl
440-228226-1	RISB-5-5.0-20181218 [#]	Bicarbonate as HCO3	2500J+ mg/Kg	A	bl

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No Sample Data Qualified in these SDGs

ATTACHMENT O
Radium-226 and Radium-228 DVR

**Radium 226 by Environmental Protection Agency (EPA) Method 903.0
Radium 228 by 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 methods. Blank results contained less than the minimum detectable concentrations (MDC) with the following exceptions:

SDG	Blank ID	Isotope	Concentration	Associated Samples
440-220771-2	MB	Radium-226	0.2005 pCi/g	All samples in SDG 440-220771-2
440-220843-2	MB	Radium-226	0.3029 pCi/g	All samples in SDG 440-220843-2
440-220951-2	MB	Radium-226	0.1410 pCi/g	All samples in SDG 440-220951-2

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 with the following exceptions:

SDG	Sample	Isotope	Reported Concentration	Modified Final Concentration
440-220771-2	RISB-ER-02-10.0-20180924	Radium-226	0.928 pCi/g	0.928J pCi/g
440-220771-2	RISB-EJ-02-1.0-20180924	Radium-226	0.957 pCi/g	0.957J pCi/g
440-220843-2	RISB-ER-01-1.0-20180925	Radium-226	0.897 pCi/g	0.897J pCi/g

V. Field Blanks

No field blanks were identified in these SDGs.

VI. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicates (MSD) analyses were not required by the methods.

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 methods. Percent recoveries (%R) were within QC limits.

IX. Field Duplicates

Samples RISB-EJ-03-1.0-20180925 and RISB-EJ-03-1.0-20180925-FD (both from SDG 440-220843-2) were identified as field duplicates. No results were detected in any of the samples with the following exceptions:

SDG	Isotope	Activity (pCi/g)		RPD (Limits)	Flag	A or P
		RISB-EJ-03-1.0-20180925	RISB-EJ-03-1.0-20180925-FD			
440-220843-2	Radium-226	1.32	1.18	11 (≤50)	-	-
	Radium-228	0.886	1.13	24 (≤50)	-	-

X. Carrier Recovery

All carrier recoveries were within validation criteria.

XI. Minimum Detectable Concentrations

All minimum detectable concentrations (MDC) met the Requested Limits.

XII. Sample Result Verification

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

XIII. Overall Assessment of Data

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

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

The quality control criteria reviewed, other than those discussed above, were met and are considered acceptable. Based upon the data validation all other results are considered valid and usable for all purposes.

**NERT RI, Phase 2, March 2018 through March 2019
Radium 226 & 228 - Data Qualification Summary – SDGs 440-220771-2, 440-220843-2, 440-220951-2, 440-227549-3, 440-227679-3**

No Sample Data Qualified in these SDGs

**NERT RI, Phase 2, March 2018 through March 2019
Radium 226 & 228 - Laboratory Blank Data Qualification Summary - SDGs 440-220771-2, 440-220843-2, 440-220951-2, 440-227549-3, 440-227679-3**

SDG	Sample	Isotope	Modified Final Activity	A or P	Code
440-220771-2	RISB-ER-02-10.0-20180924	Radium-226	0.928J pCi/g	A	bl
440-220771-2	RISB-EJ-02-1.0-20180924	Radium-226	0.957J pCi/g	A	bl
440-220843-2	RISB-ER-01-1.0-20180925	Radium-226	0.897J pCi/g	A	bl

**NERT RI, Phase 2, March 2018 through March 2019
Radium 226 & 228 - Field Blank Data Qualification Summary - SDGs 440-220771-2, 440-220843-2, 440-220951-2, 440-227549-3, 440-227679-3**

No Sample Data Qualified in these SDGs

ATTACHMENT P
Isotopic Thorium and Uranium DVR

**Isotopic Thorium by Method A-01-R and ALS SOP 714 Revision 14
Isotopic Uranium by Method U-02-RC**

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 concentrations (MDC) with the following exceptions:

SDG	Blank ID	Isotope	Concentration	Associated Samples
440-220771-3/1809540	MB	Thorium-232	0.0101 pCi/g	All samples in SDG 440-220771-3/1809540

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 duplicates (MSD) analyses were not required by the method.

VII. Duplicate Sample Analysis

Duplicate (DUP) sample analysis was performed on an associated project sample. Results were within QC limits with the following exceptions:

SDG	DUP ID (Associated Samples)	Isotope	Relative Error Ratio (RER) (Limits)	Flag	A or P
440-220843-2	RISB-EJ-04-1.0-20180925DUP (All samples in SDG 440-220843-2)	Uranium-235 Total uranium	1.04 (≤1) 1.05 (≤1)	J (all detects) UJ (all non-detects) J (all detects) UJ (all non-detects)	A

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

Samples RISB-EJ-03-1.0-20180925 and RISB-EJ-03-1.0-20180925-FD (both from SDG 440-220843-2) and samples RISB-EJ-03-1.0-20180925** and RISB-EJ-03-1.0-20180925-FD** (both from SDG 440-220843-3/1809606) were identified as field duplicates. No results were detected in any of the samples with the following exceptions:

SDG	Isotope	Activity (pCi/g)		RPD (Limits)	Flag	A or P
		RISB-EJ-03-1.0-20180925**	RISB-EJ-03-1.0-20180925-FD**			
440-220843-3/ 1809606	Thorium-228	1.57	2.03	26 (≤50)	-	-
	Thorium-230	1.44	1.36	6 (≤50)	-	-
	Thorium-232	1.33	2.01	41 (≤50)	-	-

SDG	Isotope	Activity (pCi/g)		RPD (Limits)	Flag	A or P
		RISB-EJ-03-1.0-20180925	RISB-EJ-03-1.0-20180925-FD			
440-220843-2	Uranium-234	0.936	0.858	9 (≤50)	-	-
	Uranium-235	0.0377	0.0213U	56 (≤50)	NQ	-
	Uranium-238	0.865	1.01	15 (≤50)	-	-
	Total uranium	1.84	1.89	3 (≤50)	-	-

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

X. Tracer Recovery

All tracer recoveries were within validation criteria.

XI. Minimum Detectable Concentrations

All minimum detectable concentrations (MDC) met reporting limits (RL).

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 DUP RER, data were qualified as estimated in nine 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 RI, Phase 2, March 2018 through March 2019
Isotopic Thorium and Isotopic Uranium - Data Qualification Summary – SDGs 440-220771-2, 440-220843-2, 440-220951-2, 440-220771-3/1809540, 440-220843-3/1809606, 440-220951-3/1809609, 440-227549-3, 440-227679-3**

SDG	Sample	Isotope	Flag	A or P	Reason (Code)
440-220843-2	RISB-EJ-04-1.0-20180925 RISB-EJ-04-10.0-20180925 RISB-EJ-03-1.0-20180925 RISB-EJ-03-1.0-20180925-FD RISB-EJ-03-10.0-20180925 RISB-ER-03-1.0-20180925 RISB-ER-03-10.0-20180925 RISB-ER-01-1.0-20180925 RISB-ER-01-10.0-20180925	Uranium-235 Total uranium	J (all detects) UJ (all non-detects) J (all detects) UJ (all non-detects)	A	Duplicate sample analysis (RER) (Id)

**NERT RI, Phase 2, March 2018 through March 2019
Isotopic Thorium and Isotopic Uranium - Laboratory Blank Data Qualification Summary - SDGs 440-220771-2, 440-220843-2, 440-220951-2, 440-220771-3/1809540, 440-220843-3/1809606, 440-220951-3/1809609, 440-227549-3, 440-227679-3**

No Sample Data Qualified in these SDGs

**NERT RI, Phase 2, March 2018 through March 2019
Isotopic Thorium and Isotopic Uranium - Field Blank Data Qualification Summary - SDGs 440-220771-2, 440-220843-2, 440-220951-2, 440-220771-3/1809540, 440-220843-3/1809606, 440-220951-3/1809609, 440-227549-3, 440-227679-3**

No Sample Data Qualified in these SDGs