Data Validation Summary Report, Revision 1
Remedial Investigation Sampling Phase 3
February 2019 through January 2020
Nevada Environmental Response Trust
Henderson, Nevada

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Remedial Investigation Sampling Phase 3 DVSR and EDD February 2019 through January 2020, Revision 1

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

Nevada Environmental Response Trust (NERT) Representative Certification

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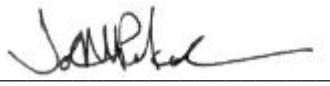
Date: 1-12-21

Remedial Investigation Sampling Phase 3 DVSR and EDD February 2019 through January 2020, Revision 1

Nevada Environmental Response Trust 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.



1/12/2021

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LIST OF ACRONYMS AND ABBREVIATIONS

ASTM	American Society for Testing and Material
CCB	Continuing Calibration Blank
CCV	Continuing Calibration Verification
DL	Detection Limit
DNR	Do Not Report
DOC	Dissolved Organic Carbon
DQO	Data Quality Objectives
DUP	Laboratory Duplicate
DVR	Data Validation Report
DVSR	Data Validation Summary Report
EB	Equipment Blank
EPA	Environmental Protection Agency
FB	Field Blank
FD	Field Duplicate
ICAL	Initial Calibration
ICB	Initial Calibration Blank
ICP	Inductively Coupled Plasma
ICV	Initial Calibration Verification
LCS/LCSD	Laboratory Control Sample / Laboratory Control Sample Duplicate
LDC	Laboratory Data Consultants, Inc.
MDL	Method Detection Limit
MS/MSD	Matrix Spike / Matrix Spike Duplicate
NDEP	Nevada Department of Environmental Protection
NERT	Nevada Environmental Response Trust
NFG	National Functional Guidelines
PARCCS	Precision, Accuracy, Representativeness, Comparability, Completeness, Sensitivity
PQL	Practical Quantitation Limit
QA/QC	Quality Assurance / Quality Control
QAPP	Quality Assurance Project Plan
RPD	Relative Percent Difference
SDG	Sample Delivery Group
SIM	Selected Ion Monitoring
SQL	Sample Quantitation Limit
TB	Trip Blank
TCP	1,2,3-Trichloropropane
TDS	Total Dissolved Solids
USEPA	United States Environmental Protection Agency
VOC	Volatile Organic Compound
%	Percent
%RSD	Percent Relative Standard Deviation
%D	Percent Difference
%R	Percent Recovery
ug/m^3	Micrograms per Cubic Meter
ppbv	Parts per Billion by volume
umhos/cm	Micromhos per Centimeter
SU	Standard Unit

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 3 Remedial Investigation sampling efforts completed from February 2019 through January 2020, 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, Revisions 2, 3, and 4, Nevada Environmental Response Trust Site, Henderson, Nevada* dated October 2017, April 2019, and December 2019, respectively, and included the collection and analyses of 405 environmental and quality control (QC) samples. Due to laboratory error, six (6) samples analyzed for Volatile Organic Compounds (VOC) by Environmental Protection Agency (EPA) Method TO-15 were not analyzed for helium by American Society for Testing and Material (ASTM) D1946; therefore, helium leak percentages could not be calculated. These locations were resampled and the results from the resampling events are included with the reportable results. The original results have been marked DNR.

The analyses were performed by the following methods:

VOC by 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 Methods TO-15/TO-15 SIM mode
Helium by ASTM D1946
Metals by EPA Methods 200.7/200.8 and EPA SW-846 Method 6010B

Wet Chemistry:
Alkalinity by Standard Method 2320B
Bromide, Chloride, Nitrate as Nitrate, Nitrate as Nitrogen, Nitrite as Nitrogen, Orthophosphate as Phosphorus, and Sulfate by EPA Method 300.0
Chlorate by EPA Method 300.1B
Conductivity by Standard Method 2510B
Dissolved Organic Carbon (DOC) by Standard Method 5310B
Ferrous Iron by Standard Method 3500-Fe B
Hexavalent Chromium by EPA Method 218.6
Nitrate/Nitrite as Nitrogen by Calculation
Perchlorate by EPA Method 314.0
pH by EPA SW 846 Method 9040C
Sulfide by EPA SW 846 Method 9034
Total Dissolved Solids (TDS) by Standard Method 2540C

Laboratory analytical services were provided by Eurofins and TestAmerica, Inc. (prior to laboratory merger with Eurofins). The analyses for VOC by EPA Methods TO-15/TO-15 SIM mode and helium by ASTM D1946 were subcontracted to Eurofins Air Toxics, LLC. 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 and air analytical data were validated according to Stage 2B data validation procedures and approximately ten percent of the soil and air 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, *Quality Assurance Project Plan, Revision 3, Nevada Environmental Response Trust Site, Henderson, Nevada* dated April 2019, and *Quality Assurance Project Plan, Revision 4, Nevada Environmental Response Trust Site, Henderson, Nevada* dated December 30, 2019; a modified outline of the *USEPA National Functional Guidelines* (NFGs) *for Organic Superfund Methods Data Review* (January 2017) and *for Inorganic Superfund Data Review* (January 2017); *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.

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 9.0 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), 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), Quality Assurance Project Plans (QAPPs; October 2017 and April 2019), NFGs (USEPA 2017), and EPA SW-846 Test Methods. Samples not meeting the acceptance criteria were qualified with a flag, an abbreviation indicating a deficiency with the data. The following are flags used in data validation:

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

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

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

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

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

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

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

A Indicates the finding is based upon technical validation criteria.

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

The hierarchy of flags is listed below:

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

Table IV lists the reason codes used. Reason codes explain why flags have been applied and 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, and LCS. In some cases, samples from multiple SDGs were within one QC batch and therefore are associated with the same laboratory QC samples. Accuracy 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), and TBs.

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.

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 38 soil and seven (7) water samples were analyzed for VOCs by EPA SW-846 Method 8260B. The target analyte list included 68 VOCs for soil samples and 61 VOCs for water samples. All VOC (Method SW8260B) data were assessed to be valid with the exception of 1 of the 3,011 total results which was rejected based on 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.

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).

Twenty-eight (28) results were qualified as non-detected estimated (UJ). The %Ds in the initial and continuing calibration verifications (ICV and CCV) were outside the acceptance criteria of 20 percent.

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

No data were qualified due to %Ds in the initial calibration verifications above the acceptance criteria of 20 percent since the associated sample results were not detected.

2.1.2 Surrogates

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

2.1.3 MS/MSD Samples

As a result of grossly exceeded MS/MSD %Rs (i.e., 0%), the styrene result for sample PC-198-20190801 was qualified as rejected (R).

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

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

2.1.4 LCS/LCSD Samples

No data were qualified due to LCS %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.

2.1.5 Internal Standards

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

2.1.6 FD Samples

All RPDs met the QAPP acceptance criteria.

2.1.7 Compound Quantitation and Target Identification

Raw data were evaluated for 5 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.

2.2.2 Blanks

Method blanks 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. Reason codes are applied to distinguish if the blank concentration was above or below the PQL.
>
> 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. Reason codes are applied to distinguish if the blank concentration was above or below the PQL.
>
> 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.

2.2.2.1 Method Blanks

No contaminants were detected in the method blanks.

2.2.2.2 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 99.97 percent. This

percentage was calculated as the total number of accepted sample results divided by the total number of sample results multiplied by 100.

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 six (6) 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 12 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

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

3.1.3 LCS Samples

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

3.1.4 FD Samples

Field duplicate samples were not collected for this analysis.

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 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 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. 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/TO-15 SIM)

A total of 159 air samples were analyzed for VOC by EPA Method TO-15 and 95 samples were analyzed for VOC by TO-15 SIM. As a result of laboratory error, six (6) samples analyzed for VOC by EPA Method TO-15 were not analyzed for helium by ASTM D1946; therefore, helium leak percentages could not be calculated. These locations were resampled and the results from the resampling events are included with the reportable results. The original results have been marked DNR. These locations were resampled and are included with the reportable results. All reported VOC (EPA Method TO-15/TO-15 SIM) data were assessed to be valid since none of the 9,027 total results in parts per billion by volume (ppbv) or 9,027 total results in microgram per cubic meter (ug/m^3) were rejected due to holding time or QC exceedances. VOC (EPA Method TO-15/TO-15 SIM) data were reported and qualified as initial results in ppbv and as molecular weight converted results in ug/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

One hundred and forty (140) results (280 total for both ppbv and ug/m^3 results) were qualified as estimated (J) or non-detected estimated (UJ). The %RSDs were outside the acceptance criteria of 30 percent or the coefficient of determination (r^2) was ≥ 0.990 in the initial calibration.

One hundred and seventy-one (171) results (342 total for both ppbv and ug/m^3 results) were qualified as estimated (J- or J+) or non-detected estimated (UJ). The %Ds in the initial and continuing calibration verifications were outside the acceptance criteria of 20 percent. Negative bias was removed for two (2) results (four [4] total for both ppbv and ug/m^3 results) since the results were also qualified as estimated (J) due to ICAL %RSD above the method acceptance criteria and blank contamination. Positive bias was removed for one (1) result (two [2] total for both ppbv and ug/m^3 results) since the result was also qualified as estimated (J) due to ICAL %RSD above the method acceptance criteria.

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

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

4.1.2 Surrogates

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

4.1.3 LCS/LCSD Samples

Forty-eight (48) results (96 total for both ppbv and ug/m^3 results) were qualified as detected estimated (J-) or non-detected estimated (UJ) due to LCS/LCSD %Rs below the laboratory acceptance criteria.

Twenty (20) results (40 total for both ppbv and ug/m^3 results) were qualified as detected estimated (J+) due to LCS/LCSD %Rs above the laboratory acceptance criteria. Positive bias was removed for three (3) results (six [6] total for both ppbv and ug/m^3 results) since the results were also qualified as estimated (J) due to ICAL %RSD above the method acceptance criteria or FD RPD above the QAPP acceptance criteria.

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

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

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

Twelve (12) results (24 total for both ppbv and ug/m3 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 C.

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 16 air samples. All target identifications were acceptable and all reported sample results, detects and non-detects, were correctly calculated for these Stage 4 samples.

In one exclusive instance, re-sampling was required. Data from the original sampling for samples RISG-60-15.0-20191213, RISG-59-15.0-20191213, RISG-76-15.0-20191216, RISG-20-5.0-20191218, RISG-20-15.0-20191220, and RISG-89-5.0-20191220 were marked not reportable (DNR), and the data from the re-sampling were designated as reportable.

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, 99 results (198 total for both ug/m^3 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 individually 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/TO-15 SIM) data is regarded as acceptable.

4.4 Completeness

The completeness level attained for VOC (EPA Method TO-15/TO-15 SIM) 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 HELIUM

A total of 153 air samples were analyzed for helium by ASTM D1946. All helium data were assessed to be valid since none of the 153 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.

5.1 Precision and Accuracy

5.1.1 Instrument Calibration

The %RSDs in the initial calibration met the acceptance criteria of 20 percent.

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

5.1.2 LCS/LCSD Samples

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

5.1.3 FD Samples

No helium was detected in the field duplicate pairs.

5.1.4 Compound Quantitation and Target Identification

Raw data were evaluated for 16 air 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.

Five (5) helium results were qualified as non-detected estimated (UJ) as a result of exceeding the analysis holding time criteria of 30 days for air samples.

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

5.2.2 Blanks

Method blanks were analyzed to evaluate representativeness.

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

5.2.2.1 Method Blanks

No contaminants were detected in the method blanks.

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 helium data is regarded as acceptable.

5.4 Completeness

The completeness level attained for helium 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.

Helium leak percentage was evaluated for the samples. The calculated leak percentages were less than 5%; therefore, sample results were not corrected.

The results are provided in Attachment D.

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 METALS

A total of 19 water samples were analyzed for metals by EPA Method 200.7, a total of four (4) water samples were analyzed for arsenic by EPA Method 200.8, and a total of 221 soil samples were analyzed for metals by EPA SW-846 Method 6010B. All metal data were assessed to be valid since none of the 345 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.

6.1 Precision and Accuracy

6.1.1 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 continuing calibration verifications %Rs were within the acceptance criteria of 90-110%.

6.1.2 MS/MSD Samples

Thirteen (13) results were qualified as detected estimated (J+) due to MS/MSD %Rs above the laboratory acceptance criteria.

Two aluminum results were qualified as detected non-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 E.

In instances where MS/MSD %Rs were above the laboratory acceptance criteria no data were qualified due to since the associated sample results were not detected.

6.1.3 LCS Samples

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

6.1.4 ICP (Inductively Coupled Plasma) Interference Check Sample

All ICP interference check concentrations met the method acceptance criteria.

6.1.5 ICP Serial Dilution

All serial dilution %D met the laboratory acceptance criteria for this analysis.

6.1.6 Internal Standards

All internal standard %Rs met the method acceptance criteria.

6.1.7 FD Samples

Six (6) 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 E. 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.

6.1.8 Sample Result Verification

Raw data were evaluated for 27 soil samples for metals by EPA SW-846 Method 6010B. All reported sample results, detects and non-detects, were correctly calculated for these Stage 4 samples.

6.2 Representativeness

6.2.1 Sample Preservation and Holding Times

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

6.2.2 Blanks

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

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

> Results Below the PQL - If a sample result was less than the PQL, the sample result was qualified as estimated (J) at the reported concentration. Reason codes are applied to distinguish if the blank concentration was above or below the PQL.
>
> 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. Reason codes are applied to distinguish if the blank concentration was above or below the PQL.
>
> 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.

6.2.2.1 Method and Calibration Blanks

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

No contaminants were detected in the calibration blanks.

6.3 Comparability

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

6.4 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.

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 WET CHEMISTRY

A total of two (2) water samples were analyzed for conductivity by Standard Method 2510B and ferrous iron by Standard Method 3500 Fe-B; four (4) water samples were analyzed for DOC by Standard Method 5310B and sulfide by Standard Method 9034; nine (9) water samples were analyzed for TDS by Standard Method 2540C and pH by EPA SW-846 Method 9040C; and 18 water samples were analyzed for hexavalent chromium by EPA Method 218.6 and alkalinity by Standard Method 2320B. A total of 122 soil samples were reported for nitrate nitrite as nitrogen by calculation method; 122 soil samples and 18 water samples were analyzed for anions by EPA Method 300.0; and 221 soil samples and 19 water samples were analyzed for chlorate by EPA Method 300.1B and perchlorate by EPA Method 314.0. All wet chemistry data were assessed to be valid with the exception of 1 of the 1,073 total results which was rejected based on 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.

7.1 Precision and Accuracy

7.1.1 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%.

7.1.2 Surrogate

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

7.1.3 MS/MSD Samples

As a result of grossly exceeded MS/MSD %Rs (e.g., < 30%), one (1) orthophosphate as phosphorous result

was qualified as rejected (R). Additionally, 143 results were qualified as estimated (J-) or non-detected estimated (UJ) due to MS/MSD %Rs below the laboratory acceptance criteria.

One (1) perchlorate, one (1) nitrate as nitrate, and two (2) orthophosphate as phosphorous results were qualified as detected estimated (J+) due to MS/MSD %Rs above the laboratory acceptance criteria.

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

All MS/MSD RPDs associated to the anions, chlorate, DOC, hexavalent chromium, perchlorate, and sulfide analysis met the laboratory acceptance criteria.

7.1.4 DUP Samples

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

7.1.5 LCS/LCSD Samples

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

7.1.6 FD Samples

Two (2) results in one field duplicate pair 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 F.

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.

7.1.7 Sample Result Verification

Raw data were evaluated for 13 soil samples for anions (EPA Method 300.0) and nitrate/nitrite as nitrogen and 27 soil sample for chlorate and perchlorate. 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 all wet chemistry methods was conducted. All samples met the 48-hour analysis holding time for water samples analyzed for nitrate as nitrate, nitrate as nitrogen, nitrite as nitrogen, and orthophosphate as phosphorus; the 7-day analysis holding time for water samples analyzed for sulfide and TDS; the 14-day analysis holding time criteria for water samples analyzed for alkalinity; the 28-day analysis holding time criteria for soil samples analyzed for chlorate, nitrate as nitrate, nitrate as nitrogen, and perchlorate; and the 28-day analysis holding time criteria for water samples analyzed for bromide, chlorate, chloride, sulfate, perchlorate, DOC, and conductivity.

One (1) hexavalent chromium result was qualified as non-detected estimated (UJ) as a result of exceeding the analysis holding time criteria of 24 hours for water samples and two (2) ferrous iron results were qualified as non-detected estimated (UJ) as a result of exceeding the analysis holding time criteria of 48 hours for water samples.

Nine (9) 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 F.

7.2.2 Blanks

Method blanks and ICB/CCBs 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 6.2.2.

7.2.2.1 Laboratory and Calibration Blanks

One (1) perchlorate result was qualified as detected estimated (J) due to a contaminant detected in the calibration blank.

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

No contaminants were detected in the method blanks.

7.3 Comparability

The laboratory used standard analytical methods for all of the analyses. In all cases, the SQLs attained were at or below the PQLs. 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.

7.4 Completeness

The completeness level attained for wet chemistry field samples was 100 percent for alkalinity, nitrate/nitrite as nitrogen, chlorate, conductivity, hexavalent chromium, DOC, ferrous iron, perchlorate, pH, sulfide, and TDS; and 99.72 percent for anions (EPA Method 300.0). 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 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.

9.0 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.

9.1 Precision and Accuracy

Precision and accuracy were evaluated using data quality indicators such as calibration, surrogates,

MS/MSD, DUP, LCS/LCSD, field duplicates and internal standards. The precision and accuracy of the data set were considered acceptable after integration of result qualification.

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

All surrogate, LCS/LCSD and MS/MSD %Rs and RPDs, internal standard areas and %Rs, 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 2.1.3, 4.1.3, 4.1.5, 6.1.2, 6.1.7, 7.1.3, and 7.1.6.

9.2 Representativeness

All samples for each method and matrix were evaluated for holding time compliance. All holding times were met with the exception noted in Sections 5.2.1 and 7.2.1. 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 4.2.2.1 and 7.2.2.1.

9.3 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. Sample preservation and holding times were within QC criteria with the exception noted in Sections 5.2.1 and 7.2.1. The overall comparability is considered acceptable.

9.4 Completeness

Of the 13,621 total analytes reported, two (2) 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)	3,011	1	99.97
1,2,3-Trichloropropane & 1,4-Dioxane	12	0	100
VOC (EPA Method TO-15/TO-15 SIM)	9,027	0	100
Helium	153	0	100
Metals	345	0	100
Wet Chemistry:			
Alkalinity	72	0	100
Anions	351	1	99.72
Nitrate/Nitrite as N	122	0	100
Chlorate	240	0	100
Conductivity	2	0	100
Hexavalent Chromium	18	0	100
DOC	4	0	100
Ferrous Iron	2	0	100
Perchlorate	240	0	100
pH	9	0	100
Sulfide	4	0	100
TDS	9	0	100
Total	**13,621**	**2**	**99.99**

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

9.5 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 and calibration blanks did not affect sensitivity.

10.0 CONCLUSIONS AND RECOMMENDATIONS

The analytical data quality assessment for the air, soil, and water sample laboratory analytical results generated during the Phase 3 Remedial Investigation air, soil and groundwater sampling activities completed from February 2019 through January 2020, 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.

11.0 REFERENCES

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TABLES

Table I. Sample Cross-Reference

LDC	SDG	Client Sample ID	Lab ID	Sample Date	Validation Level	Matrix	QC Type	VOC (8260B)	1,2,3-TCP and 1,4-Dioxane (8260B SIM)	VOC (TO-15/TO-15 SIM)	Helium (D1946)	Metals (200.7)	Arsenic (200.8)	Chromium (6010B)	Chromium VI (218.6)	Anions (300.0)	Chlorate (300.1B)	Perchlorate (314.0)	Nitrate Nitrite as N (by Calculation)	Sulfide (9034)	pH (9040C)	Alkalinity (2320B)	Conductivity (2510B)	TDS (2540C)	Ferrous Iron (3500-Fe B)	DOC (5310B)
45151A	4402372481	NERT4.64S1-10.0-20190325	440-237248-1	03/25/19	Stage 4	Soil								X			X	X								
45151A	4402372481	NERT4.64S1-20.0-20190325	440-237248-2	03/25/19	Stage 4	Soil								X			X	X								
45151A	4402372481	NERT4.64S1-30.0-20190325	440-237248-3	03/25/19	Stage 4	Soil								X			X	X								
45151A	4402372481	NERT4.64S1-40.0-20190325	440-237248-4	03/25/19	Stage 4	Soil								X			X	X								
45151A	4402372481	NERT4.64S1-50.0-20190325	440-237248-5	03/25/19	Stage 4	Soil								X			X	X								
45151A	4402372481	NERT3.60S1-10.0-20190326	440-237248-6	03/26/19	Stage 4	Soil								X			X	X								
45151A	4402372481	NERT3.60S1-20.0-20190326	440-237248-7	03/26/19	Stage 4	Soil								X			X	X								
45151B	4402374891	NERT3.60S1-30.0-20190326	440-237489-1	03/26/19	Stage 2B	Soil								X			X	X								
45151B	4402374891	NERT3.60S1-40.0-20190326	440-237489-2	03/26/19	Stage 2B	Soil								X			X	X								
45151B	4402374891	NERT3.60S1-50.0-20190326	440-237489-3	03/26/19	Stage 2B	Soil								X			X	X								
45151B	4402374891	NERT3.60S1-60.0-20190327	440-237489-4	03/27/19	Stage 2B	Soil								X			X	X								
45151B	4402374891	NERT3.60S1-70.0-20190327	440-237489-5	03/27/19	Stage 2B	Soil	FD1							X			X	X								
45151B	4402374891	NERT3.60S1-70.0-20190327-FD	440-237489-6	03/27/19	Stage 2B	Soil	FD1							X			X	X								

Table I. Sample Cross-Reference

LDC	SDG	Client Sample ID	Lab ID	Sample Date	Validation Level	Matrix	QC Type	VOC (8260B)	1,2,3-TCP and 1,4-Dioxane (8260B SIM)	VOC (TO-15/TO-15 SIM)	Helium (D1946)	Metals (200.7)	Arsenic (200.8)	Chromium (6010B)	Chromium VI (218.6)	Anions (300.0)	Chlorate (300.1B)	Perchlorate (314.0)	Nitrate Nitrite as N (by Calculation)	Sulfide (9034)	pH (9040C)	Alkalinity (2320B)	Conductivity (2510B)	TDS (2540C)	Ferrous Iron (3500-Fe B)	DOC (5310B)
45151B	4402374891	NERT3.60S1-80.0-20190327	440-237489-7	03/27/19	Stage 2B	Soil								X			X	X								
45151B	4402374891	NERT3.60S1-90.0-20190327	440-237489-8	03/27/19	Stage 2B	Soil								X			X	X								
45151B	4402374891	NERT3.58S1-10.0-20190327	440-237489-9	03/27/19	Stage 2B	Soil								X			X	X								
45151B	4402374891	NERT3.58S1-20.0-20190327	440-237489-10	03/27/19	Stage 2B	Soil								X			X	X								
45151B	4402374891	NERT3.58S1-30.0-20190327	440-237489-11	03/27/19	Stage 2B	Soil								X			X	X								
45151B	4402374891	NERT3.58S1-40.0-20190327	440-237489-12	03/27/19	Stage 2B	Soil								X			X	X								
45151B	4402374891	NERT3.58S1-50.0-20190327	440-237489-13	03/27/19	Stage 2B	Soil								X			X	X								
45151B	4402374891	NERT3.58S1-60.0-20190327	440-237489-14	03/27/19	Stage 2B	Soil								X			X	X								
45151C	4402375311	NERT3.35S1-10.0-20190329	440-237531-1	03/29/19	Stage 2B	Soil								X			X	X								
45151C	4402375311	NERT3.35S1-20.0-20190329	440-237531-2	03/29/19	Stage 2B	Soil								X			X	X								
45151C	4402375311	NERT3.35S1-30.0-20190329	440-237531-3	03/29/19	Stage 2B	Soil	FD2							X			X	X								
45151C	4402375311	NERT3.35S1-30.0-20190329-FD	440-237531-4	03/29/19	Stage 2B	Soil	FD2							X			X	X								
45152A	4402323661	PCDB-15-50.0-20190204	440-232366-1	02/04/19	Stage 2B	Soil		X						X		X	X	X	X							

Table I. Sample Cross-Reference

LDC	SDG	Client Sample ID	Lab ID	Sample Date	Validation Level	Matrix	QC Type	VOC (8260B)	1,2,3-TCP and 1,4-Dioxane (8260B SIM)	VOC (TO-15/TO-15 SIM)	Helium (D1946)	Metals (200.7)	Arsenic (200.8)	Chromium (6010B)	Chromium VI (218.6)	Anions (300.0)	Chlorate (300.1B)	Perchlorate (314.0)	Nitrate Nitrite as N (by Calculation)	Sulfide (9034)	pH (9040C)	Alkalinity (2320B)	Conductivity (2510B)	TDS (2540C)	Ferrous Iron (3500-Fe B)	DOC (5310B)
45152A	4402323661	PCDB-15-60.0-20190204	440-232366-2	02/04/19	Stage 2B	Soil		X						X		X	X	X	X							
45152A	4402323661	PCDB-15-70.0-20190204	440-232366-3	02/04/19	Stage 2B	Soil		X						X		X	X	X	X							
45152A	4402323661	PCDB-15-80.0-20190204	440-232366-4	02/04/19	Stage 2B	Soil		X						X		X	X	X	X							
45152A	4402323661	PCDB-15-90.0-20190204	440-232366-5	02/04/19	Stage 2B	Soil		X						X		X	X	X	X							
45152A	4402323661	PCDB-15-100.0-20190204	440-232366-6	02/04/19	Stage 2B	Soil		X						X		X	X	X	X							
45152A	4402323661	PCDB-15-110.0-20190204	440-232366-7	02/04/19	Stage 2B	Soil		X						X		X	X	X	X							
45152A	4402323661	PCDB-15-120.0-20190204	440-232366-8	02/04/19	Stage 2B	Soil		X						X		X	X	X	X							
45152A	4402323661	PCDB-15-130.0-20190204	440-232366-9	02/04/19	Stage 2B	Soil		X						X		X	X	X	X							
45152A	4402323661	PCDB-15-140.0-20190204	440-232366-10	02/04/19	Stage 2B	Soil		X						X		X	X	X	X							
45152A	4402323661	PCDB-15-150.0-20190204	440-232366-11	02/04/19	Stage 2B	Soil		X						X		X	X	X	X							
45152A	4402323661	PCDB-15-20190204-TB	440-232366-12	02/04/19	Stage 2B	Soil	TB	X																		
45152B	4402325761	PCDB-16-50.0-20190205	440-232576-1	02/05/19	Stage 2B	Soil		X						X		X	X	X	X							
45152B	4402325761	PCDB-16-60.0-20190205	440-232576-2	02/05/19	Stage 2B	Soil		X						X		X	X	X	X							

Table I. Sample Cross-Reference

LDC	SDG	Client Sample ID	Lab ID	Sample Date	Validation Level	Matrix	QC Type	VOC (8260B)	1,2,3-TCP and 1,4-Dioxane (8260B SIM)	VOC (TO-15/TO-15 SIM)	Helium (D1946)	Metals (200.7)	Arsenic (200.8)	Chromium (6010B)	Chromium VI (218.6)	Anions (300.0)	Chlorate (300.1B)	Perchlorate (314.0)	Nitrate Nitrite as N (by Calculation)	Sulfide (9034)	pH (9040C)	Alkalinity (2320B)	Conductivity (2510B)	TDS (2540C)	Ferrous Iron (3500-Fe B)	DOC (5310B)
45152B	4402325761	PCDB-16-70.0-20190205	440-232576-3	02/05/19	Stage 2B	Soil		X						X		X	X	X	X							
45152B	4402325761	PCDB-16-80.0-20190205	440-232576-4	02/05/19	Stage 2B	Soil	FD3	X						X		X	X	X	X							
45152B	4402325761	PCDB-16-90.0-20190205	440-232576-5	02/05/19	Stage 2B	Soil		X						X		X	X	X	X							
45152B	4402325761	PCDB-16-100.0-20190205	440-232576-6	02/05/19	Stage 2B	Soil		X						X		X	X	X	X							
45152B	4402325761	PCDB-16-110.0-20190205	440-232576-7	02/05/19	Stage 2B	Soil		X						X		X	X	X	X							
45152B	4402325761	PCDB-16-120.0-20190205	440-232576-8	02/05/19	Stage 2B	Soil		X						X		X	X	X	X							
45152B	4402325761	PCDB-16-130.0-20190205	440-232576-9	02/05/19	Stage 2B	Soil		X						X		X	X	X	X							
45152B	4402325761	PCDB-16-140.0-20190205	440-232576-10	02/05/19	Stage 2B	Soil		X						X		X	X	X	X							
45152B	4402325761	PCDB-16-150.0-20190205	440-232576-11	02/05/19	Stage 2B	Soil		X						X		X	X	X	X							
45152B	4402325761	PCDB-16-80.0-20190205-FD	440-232576-12	02/05/19	Stage 2B	Soil	FD3	X						X		X	X	X	X							
45152B	4402325761	PCDB-16-20190205-TB	440-232576-13	02/05/19	Stage 2B	Soil	TB	X																		
45152C	4402327271	PCDB-17-50.0-20190206	440-232727-1	02/06/19	Stage 2B	Soil								X		X	X	X	X							
45152C	4402327271	PCDB-17-50.0-20190206	440-232727-1	02/06/19	Stage 4	Soil		X																		

Table I. Sample Cross-Reference

LDC	SDG	Client Sample ID	Lab ID	Sample Date	Validation Level	Matrix	QC Type	VOC (8260B)	1,2,3-TCP and 1,4-Dioxane (8260B SIM)	VOC (TO-15/TO-15 SIM)	Helium (D1946)	Metals (200.7)	Arsenic (200.8)	Chromium (6010B)	Chromium VI (218.6)	Anions (300.0)	Chlorate (300.1B)	Perchlorate (314.0)	Nitrate Nitrite as N (by Calculation)	Sulfide (9034)	pH (9040C)	Alkalinity (2320B)	Conductivity (2510B)	TDS (2540C)	Ferrous Iron (3500-Fe B)	DOC (5310B)
45152C	4402327271	PCDB-17-60.0-20190206	440-232727-2	02/06/19	Stage 2B	Soil								X		X	X	X	X							
45152C	4402327271	PCDB-17-60.0-20190206	440-232727-2	02/06/19	Stage 4	Soil		X																		
45152C	4402327271	PCDB-17-70.0-20190206	440-232727-3	02/06/19	Stage 2B	Soil								X		X	X	X	X							
45152C	4402327271	PCDB-17-70.0-20190206	440-232727-3	02/06/19	Stage 4	Soil		X																		
45152C	4402327271	PCDB-17-80.0-20190206	440-232727-4	02/06/19	Stage 2B	Soil								X		X	X	X	X							
45152C	4402327271	PCDB-17-80.0-20190206	440-232727-4	02/06/19	Stage 4	Soil		X																		
45152C	4402327271	PCDB-17-90.0-20190206	440-232727-5	02/06/19	Stage 2B	Soil								X		X	X	X	X							
45152C	4402327271	PCDB-17-90.0-20190206	440-232727-5	02/06/19	Stage 4	Soil		X																		
45152C	4402327271	PCDB-17-100.0-20190206	440-232727-6	02/06/19	Stage 2B	Soil		X						X		X	X	X	X							
45152C	4402327271	PCDB-17-110.0-20190206	440-232727-7	02/06/19	Stage 2B	Soil		X						X		X	X	X	X							
45152C	4402327271	PCDB-17-120.0-20190206	440-232727-8	02/06/19	Stage 2B	Soil	FD4	X						X		X	X	X	X							
45152C	4402327271	PCDB-17-130.0-20190206	440-232727-9	02/06/19	Stage 2B	Soil		X						X		X	X	X	X							
45152C	4402327271	PCDB-17-140.0-20190206	440-232727-10	02/06/19	Stage 2B	Soil		X						X		X	X	X	X							

Table I. Sample Cross-Reference

LDC	SDG	Client Sample ID	Lab ID	Sample Date	Validation Level	Matrix	QC Type	VOC (8260B)	1,2,3-TCP and 1,4-Dioxane (8260B SIM)	VOC (TO-15/TO-15 SIM)	Helium (D1946)	Metals (200.7)	Arsenic (200.8)	Chromium (6010B)	Chromium VI (218.6)	Anions (300.0)	Chlorate (300.1B)	Perchlorate (314.0)	Nitrate Nitrite as N (by Calculation)	Sulfide (9034)	pH (9040C)	Alkalinity (2320B)	Conductivity (2510B)	TDS (2540C)	Ferrous Iron (3500-Fe B)	DOC (5310B)
45152C	4402327271	PCDB-17-150.0-20190206	440-232727-11	02/06/19	Stage 2B	Soil		X						X		X	X	X	X							
45152C	4402327271	PCDB-17-120.0-20190206-FD	440-232727-12	02/06/19	Stage 2B	Soil	FD4	X						X		X	X	X	X							
45152C	4402327271	PCDB-17-20190206-TB	440-232727-13	02/06/19	Stage 2B	Soil	TB	X																		
45160A	4402377751	NERT4.71S2-10.0-20190401	440-237775-1	04/01/19	Stage 2B	Soil								X			X	X								
45160A	4402377751	NERT4.71S2-20.0-20190401	440-237775-2	04/01/19	Stage 2B	Soil								X			X	X								
45160A	4402377751	NERT4.71S2-30.0-20190401	440-237775-3	04/01/19	Stage 2B	Soil	FD5							X			X	X								
45160A	4402377751	NERT4.71S2-30.0-20190401-FD	440-237775-4	04/01/19	Stage 2B	Soil	FD5							X			X	X								
45160A	4402377751	NERT4.71S2-40.0-20190401	440-237775-5	04/01/19	Stage 2B	Soil								X			X	X								
45160A	4402377751	NERT4.71S2-50.0-20190401	440-237775-6	04/01/19	Stage 2B	Soil								X			X	X								
45160A	4402377751	NERT3.98S1-10.0-20190402	440-237775-7	04/02/19	Stage 2B	Soil								X			X	X								
45160A	4402377751	NERT3.98S1-20.0-20190402	440-237775-8	04/02/19	Stage 2B	Soil								X			X	X								
45160A	4402377751	NERT3.98S1-30.0-20190402	440-237775-9	04/02/19	Stage 2B	Soil								X			X	X								
45160A	4402377751	NERT3.98S1-40.0-20190402	440-237775-10	04/02/19	Stage 2B	Soil								X			X	X								

Table I. Sample Cross-Reference

LDC	SDG	Client Sample ID	Lab ID	Sample Date	Validation Level	Matrix	QC Type	VOC (8260B)	1,2,3-TCP and 1,4-Dioxane (8260B SIM)	VOC (TO-15/TO-15 SIM)	Helium (D1946)	Metals (200.7)	Arsenic (200.8)	Chromium (6010B)	Chromium VI (218.6)	Anions (300.0)	Chlorate (300.1B)	Perchlorate (314.0)	Nitrate Nitrite as N (by Calculation)	Sulfide (9034)	pH (9040C)	Alkalinity (2320B)	Conductivity (2510B)	TDS (2540C)	Ferrous Iron (3500-Fe B)	DOC (5310B)
45160A	4402377751	NERT3.98S1-50.0-20190402	440-237775-11	04/02/19	Stage 2B	Soil								X			X	X								
45160B	4402381281	NERT4.64N1-10.0-20190403	440-238128-1	04/03/19	Stage 2B	Soil								X			X	X								
45160B	4402381281	NERT4.64N1-20.0-20190403	440-238128-2	04/03/19	Stage 2B	Soil								X			X	X								
45160B	4402381281	NERT4.64N1-30.0-20190403	440-238128-3	04/03/19	Stage 2B	Soil	FD6							X			X	X								
45160B	4402381281	NERT4.64N1-30.0-20190403-FD	440-238128-4	04/03/19	Stage 2B	Soil	FD6							X			X	X								
45160B	4402381281	NERT4.64N1-40.0-20190403	440-238128-5	04/03/19	Stage 2B	Soil								X			X	X								
45160B	4402381281	NERT4.64N1-50.0-20190403	440-238128-6	04/03/19	Stage 2B	Soil								X			X	X								
45160B	4402381281	NERT4.64N1-60.0-20190403	440-238128-7	04/03/19	Stage 2B	Soil								X			X	X								
45160B	4402381281	NERT4.64N1-70.0-20190403	440-238128-8	04/03/19	Stage 2B	Soil								X			X	X								
45160B	4402381281	NERT4.64N1-80.0-20190404	440-238128-9	04/04/19	Stage 2B	Soil								X			X	X								
45160B	4402381281	NERT4.64N1-90.0-20190404	440-238128-10	04/04/19	Stage 2B	Soil								X			X	X								
45160B	4402381281	NERT4.71N1-10.0-20190404	440-238128-11	04/04/19	Stage 2B	Soil								X			X	X								
45160B	4402381281	NERT4.71N1-20.0-20190404	440-238128-12	04/04/19	Stage 2B	Soil								X			X	X								

Table I. Sample Cross-Reference

LDC	SDG	Client Sample ID	Lab ID	Sample Date	Validation Level	Matrix	QC Type	VOC (8260B)	1,2,3-TCP and 1,4-Dioxane (8260B SIM)	VOC (TO-15/TO-15 SIM)	Helium (D1946)	Metals (200.7)	Arsenic (200.8)	Chromium (6010B)	Chromium VI (218.6)	Anions (300.0)	Chlorate (300.1B)	Perchlorate (314.0)	Nitrate Nitrite as N (by Calculation)	Sulfide (9034)	pH (9040C)	Alkalinity (2320B)	Conductivity (2510B)	TDS (2540C)	Ferrous Iron (3500-Fe B)	DOC (5310B)
45160B	4402381281	NERT4.71N1-30.0-20190404	440-238128-13	04/04/19	Stage 2B	Soil								X			X	X								
45160B	4402381281	NERT4.71N1-40.0-20190404	440-238128-14	04/04/19	Stage 2B	Soil								X			X	X								
45160B	4402381281	NERT4.71N1-50.0-20190404	440-238128-15	04/04/19	Stage 2B	Soil								X			X	X								
45160B	4402381281	NERT4.71N1-60.0-20190404	440-238128-16	04/04/19	Stage 2B	Soil	FD7							X			X	X								
45160B	4402381281	NERT4.71N1-60.0-20190404-FD	440-238128-17	04/04/19	Stage 2B	Soil	FD7							X			X	X								
45160B	4402381281	NERT4.71N1-70.0-20190404	440-238128-18	04/04/19	Stage 2B	Soil								X			X	X								
45160B	4402381281	NERT4.71N1-80.0-20190404	440-238128-19	04/04/19	Stage 2B	Soil								X			X	X								
45160B	4402381281	NERT4.71N1-90.0-20190404	440-238128-20	04/04/19	Stage 2B	Soil								X			X	X								
45160C	4402385001	NERT3.58N1-10.0-20190408	440-238500-1	04/08/19	Stage 2B	Soil								X			X	X								
45160C	4402385001	NERT3.60N1-10.0-20190408	440-238500-2	04/08/19	Stage 2B	Soil								X			X	X								
45160C	4402385001	NERT3.60N1-20.0-20190408	440-238500-3	04/08/19	Stage 2B	Soil	FD8							X			X	X								
45160C	4402385001	NERT3.60N1-20.0-20190408-FD	440-238500-4	04/08/19	Stage 2B	Soil	FD8							X			X	X								
45160C	4402385001	NERT3.60N1-30.0-20190408	440-238500-5	04/08/19	Stage 2B	Soil								X			X	X								

Table I. Sample Cross-Reference

LDC	SDG	Client Sample ID	Lab ID	Sample Date	Validation Level	Matrix	QC Type	VOC (8260B)	1,2,3-TCP and 1,4-Dioxane (8260B SIM)	VOC (TO-15/TO-15 SIM)	Helium (D1946)	Metals (200.7)	Arsenic (200.8)	Chromium (6010B)	Chromium VI (218.6)	Anions (300.0)	Chlorate (300.1B)	Perchlorate (314.0)	Nitrate Nitrite as N (by Calculation)	Sulfide (9034)	pH (9040C)	Alkalinity (2320B)	Conductivity (2510B)	TDS (2540C)	Ferrous Iron (3500-Fe B)	DOC (5310B)
45160C	4402385001	NERT3.60N1-40.0-20190409	440-238500-6	04/09/19	Stage 2B	Soil								X			X	X								
45160C	4402385001	NERT3.60N1-50.0-20190409	440-238500-7	04/09/19	Stage 2B	Soil								X			X	X								
45160C	4402385001	NERT3.60N1-60.0-20190409	440-238500-8	04/09/19	Stage 2B	Soil								X			X	X								
45160C	4402385001	NERT3.60N1-70.0-20190409	440-238500-9	04/09/19	Stage 2B	Soil								X			X	X								
45160C	4402385001	NERT3.60N1-80.0-20190409	440-238500-10	04/09/19	Stage 2B	Soil								X			X	X								
45160C	4402385001	NERT3.60N1-90.0-20190409	440-238500-11	04/09/19	Stage 2B	Soil								X			X	X								
45160D	4402387851	NERT4.65N1-10.0-20190410	440-238785-1	04/10/19	Stage 2B	Soil								X			X	X								
45160D	4402387851	NERT4.65N1-20.0-20190410	440-238785-2	04/10/19	Stage 2B	Soil								X			X	X								
45160D	4402387851	NERT4.65N1-30.0-20190410	440-238785-3	04/10/19	Stage 2B	Soil	FD9							X			X	X								
45160D	4402387851	NERT4.65N1-30.0-20190410-FD	440-238785-4	04/10/19	Stage 2B	Soil	FD9							X			X	X								
45160D	4402387851	NERT4.65N1-40.0-20190410	440-238785-5	04/10/19	Stage 2B	Soil								X			X	X								
45160D	4402387851	NERT4.65N1-50.0-20190410	440-238785-6	04/10/19	Stage 2B	Soil								X			X	X								
45160D	4402387851	NERT4.65N1-60.0-20190410	440-238785-7	04/10/19	Stage 2B	Soil								X			X	X								

Table I. Sample Cross-Reference

LDC	SDG	Client Sample ID	Lab ID	Sample Date	Validation Level	Matrix	QC Type	VOC (8260B)	1,2,3-TCP and 1,4-Dioxane (8260B SIM)	VOC (TO-15/TO-15 SIM)	Helium (D1946)	Metals (200.7)	Arsenic (200.8)	Chromium (6010B)	Chromium VI (218.6)	Anions (300.0)	Chlorate (300.1B)	Perchlorate (314.0)	Nitrate Nitrite as N (by Calculation)	Sulfide (9034)	pH (9040C)	Alkalinity (2320B)	Conductivity (2510B)	TDS (2540C)	Ferrous Iron (3500-Fe B)	DOC (5310B)
45160D	4402387851	NERT4.65N1-70.0-20190410	440-238785-8	04/10/19	Stage 2B	Soil								X			X	X								
45160D	4402387851	NERT4.65N1-82.5-20190410	440-238785-9	04/10/19	Stage 2B	Soil								X			X	X								
45160D	4402387851	NERT4.65N1-90.0-20190410	440-238785-10	04/10/19	Stage 2B	Soil								X			X	X								
45160E	4402387881	NERT4.70N1-10.0-20190411	440-238788-1	04/11/19	Stage 4	Soil								X			X	X								
45160E	4402387881	NERT4.70N1-20.0-20190411	440-238788-2	04/11/19	Stage 4	Soil								X			X	X								
45160E	4402387881	NERT4.70N1-30.0-20190411	440-238788-3	04/11/19	Stage 4	Soil								X			X	X								
45160E	4402387881	NERT4.70N1-40.0-20190411	440-238788-4	04/11/19	Stage 4	Soil								X			X	X								
45160E	4402387881	NERT4.70N1-50.0-20190411	440-238788-5	04/11/19	Stage 4	Soil								X			X	X								
45160E	4402387881	NERT4.70N1-60.0-20190411	440-238788-6	04/11/19	Stage 4	Soil	FD10							X			X	X								
45160E	4402387881	NERT4.70N1-60.0-20190411-FD	440-238788-7	04/11/19	Stage 4	Soil	FD10							X			X	X								
45160E	4402387881	NERT4.70N1-70.0-20190411	440-238788-8	04/11/19	Stage 4	Soil								X			X	X								
45160E	4402387881	NERT4.70N1-80.0-20190411	440-238788-9	04/11/19	Stage 4	Soil								X			X	X								
45160F	4402393191	NERT3.40S1-10.0-20190416	440-239319-1	04/16/19	Stage 2B	Soil								X			X	X								

Table I. Sample Cross-Reference

LDC	SDG	Client Sample ID	Lab ID	Sample Date	Validation Level	Matrix	QC Type	VOC (8260B)	1,2,3-TCP and 1,4-Dioxane (8260B SIM)	VOC (TO-15/TO-15 SIM)	Helium (D1946)	Metals (200.7)	Arsenic (200.8)	Chromium (6010B)	Chromium VI (218.6)	Anions (300.0)	Chlorate (300.1B)	Perchlorate (314.0)	Nitrate Nitrite as N (by Calculation)	Sulfide (9034)	pH (9040C)	Alkalinity (2320B)	Conductivity (2510B)	TDS (2540C)	Ferrous Iron (3500-Fe B)	DOC (5310B)
45160F	4402393191	NERT3.40S1-20.0-20190416	440-239319-2	04/16/19	Stage 2B	Soil								X			X	X								
45160F	4402393191	NERT3.40S1-30.0-20190416	440-239319-3	04/16/19	Stage 2B	Soil								X			X	X								
45160F	4402393191	NERT3.40S1-40.0-20190416	440-239319-4	04/16/19	Stage 2B	Soil	FD11							X			X	X								
45160F	4402393191	NERT3.40S1-40.0-20190416-FD	440-239319-5	04/16/19	Stage 2B	Soil	FD11							X			X	X								
45160F	4402393191	NERT3.40S1-50.0-20190416	440-239319-6	04/16/19	Stage 2B	Soil								X			X	X								
45160F	4402393191	NERT3.40S1-60.0-20190416	440-239319-7	04/16/19	Stage 2B	Soil								X			X	X								
45160F	4402393191	NERT3.63S1-10.0-20190417	440-239319-8	04/17/19	Stage 2B	Soil								X			X	X								
45160F	4402393191	NERT3.63S1-20.0-20190417	440-239319-9	04/17/19	Stage 2B	Soil								X			X	X								
45160F	4402393191	NERT3.63S1-30.0-20190417	440-239319-10	04/17/19	Stage 2B	Soil								X			X	X								
45160F	4402393191	NERT3.63S1-40.0-20190417	440-239319-11	04/17/19	Stage 2B	Soil	FD12							X			X	X								
45160F	4402393191	NERT3.63S1-40.0-20190417-FD	440-239319-12	04/17/19	Stage 2B	Soil	FD12							X			X	X								
45160F	4402393191	NERT3.63S1-50.0-20190417	440-239319-13	04/17/19	Stage 2B	Soil								X			X	X								
45354A	4402408211	ESB-24-10.0-20190506	440-240821-1	05/06/19	Stage 4	Soil								X		X	X	X	X							

Table I. Sample Cross-Reference

LDC	SDG	Client Sample ID	Lab ID	Sample Date	Validation Level	Matrix	QC Type	VOC (8260B)	1,2,3-TCP and 1,4-Dioxane (8260B SIM)	VOC (TO-15/TO-15 SIM)	Helium (D1946)	Metals (200.7)	Arsenic (200.8)	Chromium (6010B)	Chromium VI (218.6)	Anions (300.0)	Chlorate (300.1B)	Perchlorate (314.0)	Nitrate Nitrite as N (by Calculation)	Sulfide (9034)	pH (9040C)	Alkalinity (2320B)	Conductivity (2510B)	TDS (2540C)	Ferrous Iron (3500-Fe B)	DOC (5310B)
45354A	4402408211	ESB-24-20.0-20190506	440-240821-2	05/06/19	Stage 4	Soil								X		X	X	X	X							
45354A	4402408211	ESB-24-30.0-20190506	440-240821-3	05/06/19	Stage 4	Soil								X		X	X	X	X							
45354A	4402408211	ESB-24-40.0-20190506	440-240821-4	05/06/19	Stage 4	Soil								X		X	X	X	X							
45354A	4402408211	ESB-24-50.0-20190506	440-240821-5	05/06/19	Stage 4	Soil								X		X	X	X	X							
45354A	4402408211	ESB-24-60.0-20190506	440-240821-6	05/06/19	Stage 4	Soil								X		X	X	X	X							
45354A	4402408211	ESB-24-70.0-20190506	440-240821-7	05/06/19	Stage 4	Soil								X		X	X	X	X							
45354A	4402408211	ESB-24-80.0-20190506	440-240821-8	05/06/19	Stage 4	Soil								X		X	X	X	X							
45354A	4402408211	ESB-24-90.0-20190506	440-240821-9	05/06/19	Stage 4	Soil								X		X	X	X	X							
45354A	4402408211	ESB-24-100.0-20190506	440-240821-10	05/06/19	Stage 4	Soil	FD13							X		X	X	X	X							
45354A	4402408211	ESB-24-100.0-20190506-FD	440-240821-11	05/06/19	Stage 4	Soil	FD13							X		X	X	X	X							
45354B	4402409381	ESB-25-120.0-20190507	440-240938-1	05/07/19	Stage 2B	Soil								X		X	X		X							
45354B	4402409381	ESB-25-130.0-20190507	440-240938-2	05/07/19	Stage 2B	Soil								X		X	X		X							
45354B	4402409381	ESB-25-140.0-20190508	440-240938-3	05/08/19	Stage 2B	Soil								X		X	X		X							

Table I. Sample Cross-Reference

LDC	SDG	Client Sample ID	Lab ID	Sample Date	Validation Level	Matrix	QC Type	VOC (8260B)	1,2,3-TCP and 1,4-Dioxane (8260B SIM)	VOC (TO-15/TO-15 SIM)	Helium (D1946)	Metals (200.7)	Arsenic (200.8)	Chromium (6010B)	Chromium VI (218.6)	Anions (300.0)	Chlorate (300.1B)	Perchlorate (314.0)	Nitrate Nitrite as N (by Calculation)	Sulfide (9034)	pH (9040C)	Alkalinity (2320B)	Conductivity (2510B)	TDS (2540C)	Ferrous Iron (3500-Fe B)	DOC (5310B)
45354B	4402409381	ESB-25-150.0-20190508	440-240938-4	05/08/19	Stage 2B	Soil								X		X	X		X							
45354B	4402409381	ESB-25-160.0-20190508	440-240938-5	05/08/19	Stage 2B	Soil								X		X	X		X							
45354B	4402409381	ESB-25-170.0-20190508	440-240938-6	05/08/19	Stage 2B	Soil								X		X	X		X							
45354B	4402409381	ESB-25-180.0-20190508	440-240938-7	05/08/19	Stage 2B	Soil								X		X	X		X							
45354B	4402409381	ESB-25-190.0-20190508-FD	440-240938-8	05/08/19	Stage 2B	Soil	FD14							X		X	X		X							
45354B	4402409381	ESB-25-190.0-20190508	440-240938-9	05/08/19	Stage 2B	Soil	FD14							X		X	X		X							
45354B	4402409381	ESB-25-200.0-20190508	440-240938-10	05/08/19	Stage 2B	Soil								X			X									
45354B	4402409381	ESB-25-200.0-20190508	440-240938-10	05/08/19	Stage 4	Soil										X			X							
45354B	4402409381	ESB-26-10.0-20190508	440-240938-11	05/08/19	Stage 2B	Soil								X		X	X		X							
45354B	4402409381	ESB-26-20.0-20190508	440-240938-12	05/08/19	Stage 2B	Soil								X		X	X		X							
45354B	4402409381	ESB-26-30.0-20190508	440-240938-13	05/08/19	Stage 2B	Soil								X		X	X		X							
45354B	4402409381	ESB-26-40.0-20190508	440-240938-14	05/08/19	Stage 2B	Soil								X		X	X		X							
45354B	4402409381	ESB-26-50.0-20190508	440-240938-15	05/08/19	Stage 2B	Soil								X		X	X		X							

Table I. Sample Cross-Reference

LDC	SDG	Client Sample ID	Lab ID	Sample Date	Validation Level	Matrix	QC Type	VOC (8260B)	1,2,3-TCP and 1,4-Dioxane (8260B SIM)	VOC (TO-15/TO-15 SIM)	Helium (D1946)	Metals (200.7)	Arsenic (200.8)	Chromium (6010B)	Chromium VI (218.6)	Anions (300.0)	Chlorate (300.1B)	Perchlorate (314.0)	Nitrate Nitrite as N (by Calculation)	Sulfide (9034)	pH (9040C)	Alkalinity (2320B)	Conductivity (2510B)	TDS (2540C)	Ferrous Iron (3500-Fe B)	DOC (5310B)
45354B	4402409381	ESB-26-60.0-20190508	440-240938-16	05/08/19	Stage 2B	Soil								X			X									
45354B	4402409381	ESB-26-60.0-20190508	440-240938-16	05/08/19	Stage 4	Soil										X			X							
45354B	4402409381	ESB-26-70.0-20190508	440-240938-17	05/08/19	Stage 2B	Soil								X		X	X		X							
45354B	4402409381	ESB-26-80.0-20190508-FD	440-240938-18	05/08/19	Stage 2B	Soil	FD15							X		X	X		X							
45354B	4402409381	ESB-26-80.0-20190508	440-240938-19	05/08/19	Stage 2B	Soil	FD15							X		X	X		X							
45354B	4402409381	ESB-26-90.0-20190508	440-240938-20	05/08/19	Stage 2B	Soil								X		X	X		X							
45354B	4402409381	ESB-26-100.0-20190508	440-240938-21	05/08/19	Stage 2B	Soil								X		X	X		X							
45354B	4402409381	ESB-26-110.0-20190508	440-240938-22	05/08/19	Stage 2B	Soil								X		X	X		X							
45354B	4402409381	ESB-26-120.0-20190508	440-240938-23	05/08/19	Stage 2B	Soil								X		X	X		X							
45354C	4402409382	ESB-25-120.0-20190507	440-240938-1	05/07/19	Stage 2B	Soil												X								
45354C	4402409382	ESB-25-130.0-20190507	440-240938-2	05/07/19	Stage 2B	Soil												X								
45354C	4402409382	ESB-25-140.0-20190508	440-240938-3	05/08/19	Stage 2B	Soil												X								
45354C	4402409382	ESB-25-150.0-20190508	440-240938-4	05/08/19	Stage 2B	Soil												X								

Table I. Sample Cross-Reference

LDC	SDG	Client Sample ID	Lab ID	Sample Date	Validation Level	Matrix	QC Type	VOC (8260B)	1,2,3-TCP and 1,4-Dioxane (8260B SIM)	VOC (TO-15/TO-15 SIM)	Helium (D1946)	Metals (200.7)	Arsenic (200.8)	Chromium (6010B)	Chromium VI (218.6)	Anions (300.0)	Chlorate (300.1B)	Perchlorate (314.0)	Nitrate Nitrite as N (by Calculation)	Sulfide (9034)	pH (9040C)	Alkalinity (2320B)	Conductivity (2510B)	TDS (2540C)	Ferrous Iron (3500-Fe B)	DOC (5310B)
45354C	4402409382	ESB-25-160.0-20190508	440-240938-5	05/08/19	Stage 2B	Soil												X								
45354C	4402409382	ESB-25-170.0-20190508	440-240938-6	05/08/19	Stage 2B	Soil												X								
45354C	4402409382	ESB-25-180.0-20190508	440-240938-7	05/08/19	Stage 2B	Soil												X								
45354C	4402409382	ESB-25-190.0-20190508-FD	440-240938-8	05/08/19	Stage 2B	Soil	FD16											X								
45354C	4402409382	ESB-25-190.0-20190508	440-240938-9	05/08/19	Stage 2B	Soil	FD16											X								
45354C	4402409382	ESB-25-200.0-20190508	440-240938-10	05/08/19	Stage 2B	Soil												X								
45354C	4402409382	ESB-26-10.0-20190508	440-240938-11	05/08/19	Stage 2B	Soil												X								
45354C	4402409382	ESB-26-20.0-20190508	440-240938-12	05/08/19	Stage 2B	Soil												X								
45354C	4402409382	ESB-26-30.0-20190508	440-240938-13	05/08/19	Stage 2B	Soil												X								
45354C	4402409382	ESB-26-40.0-20190508	440-240938-14	05/08/19	Stage 2B	Soil												X								
45354C	4402409382	ESB-26-50.0-20190508	440-240938-15	05/08/19	Stage 2B	Soil												X								
45354C	4402409382	ESB-26-60.0-20190508	440-240938-16	05/08/19	Stage 2B	Soil												X								
45354C	4402409382	ESB-26-70.0-20190508	440-240938-17	05/08/19	Stage 2B	Soil												X								

Table I. Sample Cross-Reference

LDC	SDG	Client Sample ID	Lab ID	Sample Date	Validation Level	Matrix	QC Type	VOC (8260B)	1,2,3-TCP and 1,4-Dioxane (8260B SIM)	VOC (TO-15/TO-15 SIM)	Helium (D1946)	Metals (200.7)	Arsenic (200.8)	Chromium (6010B)	Chromium VI (218.6)	Anions (300.0)	Chlorate (300.1B)	Perchlorate (314.0)	Nitrate Nitrite as N (by Calculation)	Sulfide (9034)	pH (9040C)	Alkalinity (2320B)	Conductivity (2510B)	TDS (2540C)	Ferrous Iron (3500-Fe B)	DOC (5310B)
45354C	4402409382	ESB-26-80.0-20190508-FD	440-240938-18	05/08/19	Stage 2B	Soil	FD17											X								
45354C	4402409382	ESB-26-80.0-20190508	440-240938-19	05/08/19	Stage 2B	Soil	FD17											X								
45354C	4402409382	ESB-26-90.0-20190508	440-240938-20	05/08/19	Stage 2B	Soil												X								
45354C	4402409382	ESB-26-100.0-20190508	440-240938-21	05/08/19	Stage 2B	Soil												X								
45354C	4402409382	ESB-26-110.0-20190508	440-240938-22	05/08/19	Stage 2B	Soil												X								
45354C	4402409382	ESB-26-120.0-20190508	440-240938-23	05/08/19	Stage 2B	Soil												X								
45354D	4402409641	ESB-24-110.0-20190506	440-240964-1	05/06/19	Stage 2B	Soil								X		X	X	X	X							
45354D	4402409641	ESB-24-120.0-20190506	440-240964-2	05/06/19	Stage 2B	Soil								X		X	X	X	X							
45354D	4402409641	ESB-24-130.0-20190506	440-240964-3	05/06/19	Stage 2B	Soil								X		X	X	X	X							
45354D	4402409641	ESB-24-140.0-20190507	440-240964-4	05/07/19	Stage 2B	Soil								X		X	X	X	X							
45354D	4402409641	ESB-24-150.0-20190507	440-240964-5	05/07/19	Stage 2B	Soil								X		X	X	X	X							
45354D	4402409641	ESB-24-160.0-20190507	440-240964-6	05/07/19	Stage 2B	Soil								X		X	X	X	X							
45354D	4402409641	ESB-24-170.0-20190507	440-240964-7	05/07/19	Stage 2B	Soil								X		X	X	X	X							

Table I. Sample Cross-Reference

LDC	SDG	Client Sample ID	Lab ID	Sample Date	Validation Level	Matrix	QC Type	VOC (8260B)	1,2,3-TCP and 1,4-Dioxane (8260B SIM)	VOC (TO-15/TO-15 SIM)	Helium (D1946)	Metals (200.7)	Arsenic (200.8)	Chromium (6010B)	Chromium VI (218.6)	Anions (300.0)	Chlorate (300.1B)	Perchlorate (314.0)	Nitrate Nitrite as N (by Calculation)	Sulfide (9034)	pH (9040C)	Alkalinity (2320B)	Conductivity (2510B)	TDS (2540C)	Ferrous Iron (3500-Fe B)	DOC (5310B)
45354D	4402409641	ESB-24-180.0-20190507	440-240964-8	05/07/19	Stage 2B	Soil								X		X	X	X	X							
45354D	4402409641	ESB-24-190.0-20190507	440-240964-9	05/07/19	Stage 2B	Soil	FD18							X		X	X	X	X							
45354D	4402409641	ESB-24-200.0-20190507	440-240964-10	05/07/19	Stage 2B	Soil								X		X	X	X	X							
45354D	4402409641	ESB-24-190.0-20190507-FD	440-240964-11	05/07/19	Stage 2B	Soil	FD18							X		X	X	X	X							
45354D	4402409641	ESB-25-10.0-20190507	440-240964-12	05/07/19	Stage 2B	Soil								X		X	X	X	X							
45354D	4402409641	ESB-25-20.0-20190507	440-240964-13	05/07/19	Stage 2B	Soil								X		X	X	X	X							
45354D	4402409641	ESB-25-30.0-20190507	440-240964-14	05/07/19	Stage 2B	Soil								X		X	X	X	X							
45354D	4402409641	ESB-25-40.0-20190507	440-240964-15	05/07/19	Stage 2B	Soil								X		X	X	X	X							
45354D	4402409641	ESB-25-50.0-20190507	440-240964-16	05/07/19	Stage 2B	Soil								X		X	X	X	X							
45354D	4402409641	ESB-25-60.0-20190507	440-240964-17	05/07/19	Stage 2B	Soil								X		X	X	X	X							
45354D	4402409641	ESB-25-70.0-20190507	440-240964-18	05/07/19	Stage 2B	Soil	FD19							X		X	X	X	X							
45354D	4402409641	ESB-25-70.0-20190507-FD	440-240964-19	05/07/19	Stage 2B	Soil	FD19							X		X	X	X	X							
45354D	4402409641	ESB-25-80.0-20190507	440-240964-20	05/07/19	Stage 2B	Soil								X		X	X	X	X							

Table I. Sample Cross-Reference

LDC	SDG	Client Sample ID	Lab ID	Sample Date	Validation Level	Matrix	QC Type	VOC (8260B)	1,2,3-TCP and 1,4-Dioxane (8260B SIM)	VOC (TO-15/TO-15 SIM)	Helium (D1946)	Metals (200.7)	Arsenic (200.8)	Chromium (6010B)	Chromium VI (218.6)	Anions (300.0)	Chlorate (300.1B)	Perchlorate (314.0)	Nitrate Nitrite as N (by Calculation)	Sulfide (9034)	pH (9040C)	Alkalinity (2320B)	Conductivity (2510B)	TDS (2540C)	Ferrous Iron (3500-Fe B)	DOC (5310B)
45354D	4402409641	ESB-25-90.0-20190507	440-240964-21	05/07/19	Stage 2B	Soil								X		X	X	X	X							
45354D	4402409641	ESB-25-100.0-20190507	440-240964-22	05/07/19	Stage 2B	Soil								X		X	X	X	X							
45354D	4402409641	ESB-25-110.0-20190507	440-240964-23	05/07/19	Stage 2B	Soil								X		X	X	X	X							
45354E	4402412551	ESB-26-130.0-20190508	440-241255-1	05/08/19	Stage 2B	Soil								X		X	X	X	X							
45354E	4402412551	ESB-26-140.0-20190508	440-241255-2	05/08/19	Stage 2B	Soil								X		X	X	X	X							
45354E	4402412551	ESB-26-150.0-20190508	440-241255-3	05/08/19	Stage 2B	Soil								X		X	X	X	X							
45354E	4402412551	ESB-26-160.0-20190509	440-241255-4	05/09/19	Stage 2B	Soil								X		X	X	X	X							
45354E	4402412551	ESB-26-170.0-20190509	440-241255-5	05/09/19	Stage 2B	Soil								X		X	X	X	X							
45354E	4402412551	ESB-26-180.0-20190509	440-241255-6	05/09/19	Stage 2B	Soil								X		X	X	X	X							
45354E	4402412551	ESB-26-190.0-20190509	440-241255-7	05/09/19	Stage 2B	Soil								X		X	X	X	X							
45354E	4402412551	ESB-26-200.0-20190509	440-241255-8	05/09/19	Stage 2B	Soil								X		X	X	X	X							
45354E	4402412551	ESB-27-10.0-20190509	440-241255-9	05/09/19	Stage 2B	Soil								X		X	X	X	X							
45354E	4402412551	ESB-27-20.0-20190509	440-241255-10	05/09/19	Stage 2B	Soil	FD20							X		X	X	X	X							

Table I. Sample Cross-Reference

LDC	SDG	Client Sample ID	Lab ID	Sample Date	Validation Level	Matrix	QC Type	VOC (8260B)	1,2,3-TCP and 1,4-Dioxane (8260B SIM)	VOC (TO-15/TO-15 SIM)	Helium (D1946)	Metals (200.7)	Arsenic (200.8)	Chromium (6010B)	Chromium VI (218.6)	Anions (300.0)	Chlorate (300.1B)	Perchlorate (314.0)	Nitrate Nitrite as N (by Calculation)	Sulfide (9034)	pH (9040C)	Alkalinity (2320B)	Conductivity (2510B)	TDS (2540C)	Ferrous Iron (3500-Fe B)	DOC (5310B)
45354E	4402412551	ESB-27-20.0-20190509-FD	440-241255-11	05/09/19	Stage 2B	Soil	FD20							X		X	X	X	X							
45354E	4402412551	ESB-27-30.0-20190509	440-241255-12	05/09/19	Stage 2B	Soil								X		X	X	X	X							
45354E	4402412551	ESB-27-40.0-20190509	440-241255-13	05/09/19	Stage 2B	Soil								X		X	X	X	X							
45354E	4402412551	ESB-27-50.0-20190509	440-241255-14	05/09/19	Stage 2B	Soil								X		X	X	X	X							
45354E	4402412551	ESB-27-60.0-20190509	440-241255-15	05/09/19	Stage 2B	Soil								X		X	X	X	X							
45354E	4402412551	ESB-27-70.0-20190509	440-241255-16	05/09/19	Stage 2B	Soil								X		X	X	X	X							
45354E	4402412551	ESB-27-80.0-20190509	440-241255-17	05/09/19	Stage 2B	Soil								X		X	X	X	X							
45354E	4402412551	ESB-27-90.0-20190509	440-241255-18	05/09/19	Stage 2B	Soil								X		X	X	X	X							
45354E	4402412551	ESB-27-100.0-20190509	440-241255-19	05/09/19	Stage 2B	Soil								X		X	X	X	X							
45354E	4402412551	ESB-27-110.0-20190509	440-241255-20	05/09/19	Stage 2B	Soil								X		X	X	X	X							
45354E	4402412551	ESB-27-120.0-20190509	440-241255-21	05/09/19	Stage 2B	Soil								X		X	X	X	X							
45354E	4402412551	ESB-27-130.0-20190509-FD	440-241255-22	05/09/19	Stage 2B	Soil	FD21							X		X	X	X	X							
45354E	4402412551	ESB-27-130.0-20190509	440-241255-23	05/09/19	Stage 2B	Soil	FD21							X		X	X	X	X							

Table I. Sample Cross-Reference

LDC	SDG	Client Sample ID	Lab ID	Sample Date	Validation Level	Matrix	QC Type	VOC (8260B)	1,2,3-TCP and 1,4-Dioxane (8260B SIM)	VOC (TO-15/TO-15 SIM)	Helium (D1946)	Metals (200.7)	Arsenic (200.8)	Chromium (6010B)	Chromium VI (218.6)	Anions (300.0)	Chlorate (300.1B)	Perchlorate (314.0)	Nitrate Nitrite as N (by Calculation)	Sulfide (9034)	pH (9040C)	Alkalinity (2320B)	Conductivity (2510B)	TDS (2540C)	Ferrous Iron (3500-Fe B)	DOC (5310B)
45354E	4402412551	ESB-27-140.0-20190509	440-241255-24	05/09/19	Stage 2B	Soil								X		X	X	X	X							
45354E	4402412551	ESB-27-150.0-20190509	440-241255-25	05/09/19	Stage 2B	Soil								X		X	X	X	X							
45354E	4402412551	ESB-27-160.0-20190509	440-241255-26	05/09/19	Stage 2B	Soil								X		X	X	X	X							
45354E	4402412551	ESB-27-170.0-20190509	440-241255-27	05/09/19	Stage 2B	Soil								X		X	X	X	X							
45354E	4402412551	ESB-27-180.0-20190509	440-241255-28	05/09/19	Stage 2B	Soil								X		X	X	X	X							
45354E	4402412551	ESB-27-190.0-20190509	440-241255-29	05/09/19	Stage 2B	Soil								X		X	X	X	X							
45354E	4402412551	ESB-27-200.0-20190509	440-241255-30	05/09/19	Stage 2B	Soil								X		X	X	X	X							
46215A	4402465581	ES-45-20190724	440-246558-1	07/24/19	Stage 2A	Water						X			X	X	X	X				X		X		
46215A	4402465581	ES-47-20190724	440-246558-2	07/24/19	Stage 2A	Water						X			X	X	X	X				X		X		
46215A	4402465581	ES-48-20190724	440-246558-3	07/24/19	Stage 2A	Water						X			X	X	X	X				X		X		
46215B	4402466561	ES-51-20190725	440-246656-1	07/25/19	Stage 2A	Water						X			X	X	X	X				X		X		
46215C	4402468071	ES-49-20190729	440-246807-1	07/29/19	Stage 2A	Water						X			X	X	X	X				X		X		
46215C	4402468071	ES-52-20190729	440-246807-2	07/29/19	Stage 2A	Water						X			X	X	X	X				X		X		

Table I. Sample Cross-Reference

LDC	SDG	Client Sample ID	Lab ID	Sample Date	Validation Level	Matrix	QC Type	VOC (8260B)	1,2,3-TCP and 1,4-Dioxane (8260B SIM)	VOC (TO-15/TO-15 SIM)	Helium (D1946)	Metals (200.7)	Arsenic (200.8)	Chromium (6010B)	Chromium VI (218.6)	Anions (300.0)	Chlorate (300.1B)	Perchlorate (314.0)	Nitrate Nitrite as N (by Calculation)	Sulfide (9034)	pH (9040C)	Alkalinity (2320B)	Conductivity (2510B)	TDS (2540C)	Ferrous Iron (3500-Fe B)	DOC (5310B)
46215D	4402470081	ES-50-20190731	440-247008-1	07/31/19	Stage 2A	Water						X			X	X	X	X				X		X		
46217A	4402470741	PC-198-20190801	440-247074-1	08/01/19	Stage 2A	Water		X	X			X	X		X	X	X	X		X		X	X	X		X
46217A	4402470741	PC-198-20190801-TB	440-247074-2	08/01/19	Stage 2A	Water	TB	X	X																	
46217B	4402471891	PC-199-20190802	440-247189-1	08/02/19	Stage 2A	Water		X	X			X	X		X	X	X	X		X		X	X	X		X
46217B	4402471891	PC-199-20190802-TB	440-247189-2	08/02/19	Stage 2A	Water	TB	X																		
46217C	4402486141	USGS-SE-20190820	440-248614-1	08/20/19	Stage 2A	Water						X					X	X								
46218A	4402499391	PC-198-20190911	440-249939-1	09/11/19	Stage 2A	Water		X	X			X	X		X	X	X	X		X	X	X			X	X
46218A	4402499391	PC-199-20190911	440-249939-2	09/11/19	Stage 2A	Water		X	X			X	X		X	X	X	X		X	X	X			X	X
46218A	4402499391	PC-198-20190911-TB	440-249939-3	09/11/19	Stage 2A	Water	TB	X	X																	
46218B	4402499401	ES-45-20190911	440-249940-1	09/11/19	Stage 2A	Water						X			X	X	X	X			X	X				
46218B	4402499401	ES-47-20190911	440-249940-2	09/11/19	Stage 2A	Water						X			X	X	X	X			X	X				
46218B	4402499401	ES-48-20190911	440-249940-3	09/11/19	Stage 2A	Water						X			X	X	X	X			X	X				
46218C	4402500471	ES-50-20190912	440-250047-2	09/12/19	Stage 2A	Water	FD22					X			X	X	X	X			X	X				

Table I. Sample Cross-Reference

LDC	SDG	Client Sample ID	Lab ID	Sample Date	Validation Level	Matrix	QC Type	VOC (8260B)	1,2,3-TCP and 1,4-Dioxane (8260B SIM)	VOC (TO-15/TO-15 SIM)	Helium (D1946)	Metals (200.7)	Arsenic (200.8)	Chromium (6010B)	Chromium VI (218.6)	Anions (300.0)	Chlorate (300.1B)	Perchlorate (314.0)	Nitrate Nitrite as N (by Calculation)	Sulfide (9034)	pH (9040C)	Alkalinity (2320B)	Conductivity (2510B)	TDS (2540C)	Ferrous Iron (3500-Fe B)	DOC (5310B)
46218C	4402500471	ES-51-20190912	440-250047-3	09/12/19	Stage 2A	Water						X			X	X	X	X			X	X				
46218C	4402500471	ES-52-20190912	440-250047-4	09/12/19	Stage 2A	Water						X			X	X	X	X			X	X				
46218C	4402500471	ES-50-20190912-FD	440-250047-5	09/12/19	Stage 2A	Water	FD22					X			X	X	X	X			X	X				
47093A	4402545421	RISG-25-15.0-20191104	1911228AR1-01A	11/04/19	Stage 4	Air				X	X															
47093A	4402545421	RISG-10-15.0-20191105	1911228AR1-02A	11/05/19	Stage 4	Air				X	X															
47093A	4402545421	RISG-10-5.0-20191105	1911228AR1-03A	11/05/19	Stage 4	Air				X	X															
47093A	4402545421	RISG-24-5.0-20191105	1911228AR1-04A	11/05/19	Stage 4	Air				X	X															
47093A	4402545421	RISG-24-15.0-20191105	1911228AR1-05A	11/05/19	Stage 4	Air				X	X															
47093A	4402545421	RISG-17-5.0-20191106	1911228AR1-06A	11/06/19	Stage 4	Air				X	X															
47093A	4402545421	RISG-16-5.0-20191106	1911228AR1-07A	11/06/19	Stage 4	Air				X	X															
47093A	4402545421	RISG-19-5.0-20191106	1911228AR1-08A	11/06/19	Stage 4	Air				X	X															
47093A	4402545421	RISG-18-5.0-20191106	1911228AR1-09A	11/06/19	Stage 4	Air				X	X															
47093A	4402545421	RISG-22-12.4-20191107	1911228AR1-10A	11/07/19	Stage 4	Air				X	X															

Table I. Sample Cross-Reference

LDC	SDG	Client Sample ID	Lab ID	Sample Date	Validation Level	Matrix	QC Type	VOC (8260B)	1,2,3-TCP and 1,4-Dioxane (8260B SIM)	VOC (TO-15/TO-15 SIM)	Helium (D1946)	Metals (200.7)	Arsenic (200.8)	Chromium (6010B)	Chromium VI (218.6)	Anions (300.0)	Chlorate (300.1B)	Perchlorate (314.0)	Nitrate Nitrite as N (by Calculation)	Sulfide (9034)	pH (9040C)	Alkalinity (2320B)	Conductivity (2510B)	TDS (2540C)	Ferrous Iron (3500-Fe B)	DOC (5310B)
47093A	4402545421	RISG-22-5.0-20191107	1911228BR1-11A	11/07/19	Stage 4	Air				X	X															
47093A	4402545421	RISG-13-5.0-20191107	1911228BR1-12A	11/07/19	Stage 4	Air				X	X															
47093A	4402545421	RISG-13-15.0-20191107	1911228BR1-13A	11/07/19	Stage 4	Air				X	X															
47093A	4402545421	RISG-29-15.0-20191108	1911228BR1-14A	11/08/19	Stage 4	Air				X	X															
47093A	4402545421	RISG-29-5.0-20191108	1911228BR1-15A	11/08/19	Stage 4	Air				X	X															
47093A	4402545421	RISG-26-5.0-20191105	1911228BR1-16A	11/05/19	Stage 4	Air				X	X															
47093A	4402545421	RISG-26-15.0-20191105	1911228BR1-17A	11/05/19	Stage 2B	Air				X	X															
47093A	4402545421	RISG-11-15.0-20191105	1911228BR1-18A	11/05/19	Stage 2B	Air				X	X															
47093A	4402545421	RISG-11-5.0-20191105	1911228BR1-19A	11/05/19	Stage 2B	Air				X	X															
47093A	4402545421	RISG-25-5.0-20191104	1911228BR1-20A	11/04/19	Stage 2B	Air				X	X															
47093A	4402545421	RISG-23-5.0-20191107	1911228CR1-21A	11/07/19	Stage 2B	Air				X	X															
47093A	4402545421	RISG-23-15.0-20191107	1911228CR1-22A	11/07/19	Stage 2B	Air				X	X															
47093A	4402545421	RISG-21-5.0-20191107	1911228CR1-23A	11/07/19	Stage 2B	Air				X	X															

Table I. Sample Cross-Reference

LDC	SDG	Client Sample ID	Lab ID	Sample Date	Validation Level	Matrix	QC Type	VOC (8260B)	1,2,3-TCP and 1,4-Dioxane (8260B SIM)	VOC (TO-15/TO-15 SIM)	Helium (D1946)	Metals (200.7)	Arsenic (200.8)	Chromium (6010B)	Chromium VI (218.6)	Anions (300.0)	Chlorate (300.1B)	Perchlorate (314.0)	Nitrate Nitrite as N (by Calculation)	Sulfide (9034)	pH (9040C)	Alkalinity (2320B)	Conductivity (2510B)	TDS (2540C)	Ferrous Iron (3500-Fe B)	DOC (5310B)
47093A	4402545421	RISG-21-15.0-20191107	1911228CR1-24A	11/07/19	Stage 2B	Air				X	X															
47093A	4402545421	RISG-12-15.0-20191106	1911228CR1-25A	11/06/19	Stage 2B	Air				X	X															
47093A	4402545421	RISG-12-5.0-20191107	1911228CR1-26A	11/07/19	Stage 2B	Air				X	X															
47093A	4402545421	RISG-15-5.0-20191106	1911228CR1-27A	11/06/19	Stage 2B	Air				X	X															
47093A	4402545421	RISG-15-15.0-20191106	1911228CR1-28A	11/06/19	Stage 2B	Air				X	X															
47093A	4402545421	RISG-14-15.0-20191106	1911228CR1-29A	11/06/19	Stage 2B	Air				X	X															
47093A	4402545421	RISG-14-5.0-20191106	1911228CR1-30A	11/06/19	Stage 2B	Air				X	X															
47093B	4402555951	RISG-82-15.0-20191118	1911552A-01A	11/18/19	Stage 2B	Air				X	X															
47093B	4402555951	RISG-82-5.0-20191118	1911552A-02A	11/18/19	Stage 2B	Air				X	X															
47093B	4402555951	RISG-81-14.0-20191118	1911552A-03A	11/18/19	Stage 2B	Air				X	X															
47093B	4402555951	RISG-81-5.0-20191118	1911552A-04A	11/18/19	Stage 2B	Air				X	X															
47093B	4402555951	RISG-87-5.0-20191119	1911552A-05A	11/19/19	Stage 2B	Air				X	X															
47093B	4402555951	RISG-87-15.0-20191119	1911552A-06A	11/19/19	Stage 2B	Air				X	X															

Table I. Sample Cross-Reference

LDC	SDG	Client Sample ID	Lab ID	Sample Date	Validation Level	Matrix	QC Type	VOC (8260B)	1,2,3-TCP and 1,4-Dioxane (8260B SIM)	VOC (TO-15/TO-15 SIM)	Helium (D1946)	Metals (200.7)	Arsenic (200.8)	Chromium (6010B)	Chromium VI (218.6)	Anions (300.0)	Chlorate (300.1B)	Perchlorate (314.0)	Nitrate Nitrite as N (by Calculation)	Sulfide (9034)	pH (9040C)	Alkalinity (2320B)	Conductivity (2510B)	TDS (2540C)	Ferrous Iron (3500-Fe B)	DOC (5310B)
47093B	4402555951	RISG-85-14.0-20191119	1911552A-07A	11/19/19	Stage 2B	Air				X	X															
47093B	4402555951	RISG-85-5.0-20191119	1911552A-08A	11/19/19	Stage 2B	Air				X	X															
47093C	4402555971	RISG-27-15.0-20191115	1911554A-01A	11/15/19	Stage 2B	Air				X	X															
47093C	4402555971	RISG-27-5.0-20191115	1911554A-02A	11/15/19	Stage 2B	Air				X	X															
47093C	4402555971	RISG-84-5.0-20191115	1911554A-03A	11/15/19	Stage 2B	Air				X	X															
47093C	4402555971	RISG-84-15.0-20191115	1911554A-04A	11/15/19	Stage 2B	Air				X	X															
47093D	4402559901	RISG-7-10.0-20191111	1911420AR1-01A	11/11/19	Stage 2B	Air				X	X															
47093D	4402559901	RISG-9-5.0-20191112	1911420AR1-02A	11/12/19	Stage 2B	Air	FD23			X	X															
47093D	4402559901	RISG-9-5.0-20191112-FD	1911420AR1-03A	11/12/19	Stage 2B	Air	FD23			X	X															
47093D	4402559901	RISG-2-15.0-20191112	1911420AR1-04A	11/12/19	Stage 2B	Air				X	X															
47093D	4402559901	RISG-2-5.0-20191112	1911420AR1-05A	11/12/19	Stage 2B	Air	FD24			X	X															
47093D	4402559901	RISG-2-5.0-20191112-FD	1911420AR1-06A	11/12/19	Stage 2B	Air	FD24			X	X															
47093D	4402559901	RISG-28-5.0-20191113	1911420AR1-07A	11/13/19	Stage 2B	Air	FD25			X	X															

Table I. Sample Cross-Reference

LDC	SDG	Client Sample ID	Lab ID	Sample Date	Validation Level	Matrix	QC Type	VOC (8260B)	1,2,3-TCP and 1,4-Dioxane (8260B SIM)	VOC (TO-15/TO-15 SIM)	Helium (D1946)	Metals (200.7)	Arsenic (200.8)	Chromium (6010B)	Chromium VI (218.6)	Anions (300.0)	Chlorate (300.1B)	Perchlorate (314.0)	Nitrate Nitrite as N (by Calculation)	Sulfide (9034)	pH (9040C)	Alkalinity (2320B)	Conductivity (2510B)	TDS (2540C)	Ferrous Iron (3500-Fe B)	DOC (5310B)
47093D	4402559901	RISG-28-5.0-20191113-FD	1911420AR1-08A	11/13/19	Stage 2B	Air	FD25			X	X															
47093D	4402559901	RISG-28-15.0-20191113	1911420AR1-09A	11/13/19	Stage 2B	Air				X	X															
47093D	4402559901	RISG-3-15.0-20191113	1911420AR1-10A	11/13/19	Stage 2B	Air				X	X															
47093D	4402559901	RISG-3-5.0-20191113	1911420AR1-11A	11/13/19	Stage 2B	Air				X	X															
47093D	4402559901	RISG-33-5.0-20191114	1911421AR1-01A	11/14/19	Stage 2B	Air				X	X															
47093D	4402559901	RISG-33-15.0-20191114	1911421AR1-02A	11/14/19	Stage 2B	Air				X	X															
47093D	4402559901	RISG-31-5.0-20191114	1911421AR1-03A	11/14/19	Stage 2B	Air				X	X															
47093D	4402559901	RISG-32-5.0-20191114	1911421AR1-04A	11/14/19	Stage 2B	Air				X	X															
47093D	4402559901	RISG-32-15.0-20191114	1911421AR1-05A	11/14/19	Stage 2B	Air				X	X															
47093D	4402559901	RISG-34-5.0-20191114	1911421AR1-06A	11/14/19	Stage 2B	Air				X	X															
47093D	4402559901	RISG-34-15.0-20191114	1911421AR1-07A	11/14/19	Stage 2B	Air				X	X															
47093E	4402560891	RISG-7-5.0-20191111	1911422AR1-01A	11/11/19	Stage 2B	Air				X	X															
47093E	4402560891	RISG-1-5.0-20191111	1911422AR1-02A	11/11/19	Stage 2B	Air				X	X															

Table I. Sample Cross-Reference

LDC	SDG	Client Sample ID	Lab ID	Sample Date	Validation Level	Matrix	QC Type	VOC (8260B)	1,2,3-TCP and 1,4-Dioxane (8260B SIM)	VOC (TO-15/TO-15 SIM)	Helium (D1946)	Metals (200.7)	Arsenic (200.8)	Chromium (6010B)	Chromium VI (218.6)	Anions (300.0)	Chlorate (300.1B)	Perchlorate (314.0)	Nitrate Nitrite as N (by Calculation)	Sulfide (9034)	pH (9040C)	Alkalinity (2320B)	Conductivity (2510B)	TDS (2540C)	Ferrous Iron (3500-Fe B)	DOC (5310B)
47093E	4402560891	RISG-1-15.0-20191111	1911422AR1-03A	11/11/19	Stage 2B	Air				X	X															
47093E	4402560891	RISG-4-5.0-20191112	1911422AR1-04A	11/12/19	Stage 2B	Air				X	X															
47093E	4402560891	RISG-4-15.0-20191112	1911422AR1-05A	11/12/19	Stage 2B	Air				X	X															
47093E	4402560891	RISG-5-5.0-20191112	1911422AR1-06A	11/12/19	Stage 2B	Air	FD26			X	X															
47093E	4402560891	RISG-5-5.0-20191112-FD	1911422AR1-07A	11/12/19	Stage 2B	Air	FD26			X	X															
47093E	4402560891	RISG-5-15.0-20191112	1911422AR1-08A	11/12/19	Stage 2B	Air				X	X															
47093E	4402560891	RISG-8-5.0-20191112	1911422AR1-09A	11/12/19	Stage 2B	Air				X	X															
47093E	4402560891	RISG-30-5.0-20191113	1911422AR1-10A	11/13/19	Stage 2B	Air	FD27			X	X															
47093E	4402560891	RISG-30-5.0-20191113-FD	1911422AR1-11A	11/13/19	Stage 2B	Air	FD27			X	X															
47093E	4402560891	RISG-30-10.0-20191113	1911422AR1-12A	11/13/19	Stage 2B	Air	FD28			X	X															
47093E	4402560891	RISG-30-10.0-20191113-FD	1911422AR1-13A	11/13/19	Stage 2B	Air	FD28			X	X															
47093E	4402560891	RISG-6-5.0-20191113	1911422BR1-14A	11/13/19	Stage 2B	Air	FD29			X	X															
47093E	4402560891	RISG-6-5.0-20191113-FD	1911422BR1-15A	11/13/19	Stage 2B	Air	FD29			X	X															

Table I. Sample Cross-Reference

LDC	SDG	Client Sample ID	Lab ID	Sample Date	Validation Level	Matrix	QC Type	VOC (8260B)	1,2,3-TCP and 1,4-Dioxane (8260B SIM)	VOC (TO-15/TO-15 SIM)	Helium (D1946)	Metals (200.7)	Arsenic (200.8)	Chromium (6010B)	Chromium VI (218.6)	Anions (300.0)	Chlorate (300.1B)	Perchlorate (314.0)	Nitrate Nitrite as N (by Calculation)	Sulfide (9034)	pH (9040C)	Alkalinity (2320B)	Conductivity (2510B)	TDS (2540C)	Ferrous Iron (3500-Fe B)	DOC (5310B)
47093E	4402560891	RISG-6-15.0-20191113	1911422BR1-16A	11/13/19	Stage 2B	Air				X	X															
47093F	4402564081	RISG-83-5.0-20191115	1911553A-01A	11/15/19	Stage 2B	Air				X	X															
47093F	4402564081	RISG-83-15.0-20191115	1911553A-02A	11/15/19	Stage 2B	Air				X	X															
47093F	4402564081	RISG-80-5.0-20191115	1911553A-03A	11/15/19	Stage 2B	Air				X	X															
47093F	4402564081	RISG-80-15.0-20191115	1911553A-04A	11/15/19	Stage 2B	Air				X	X															
47093G	4402568211	RISG-86-14.0-20191202	1912138A-01A	12/02/19	Stage 2B	Air				X	X															
47093G	4402568211	RISG-86-5.0-20191202	1912138A-02A	12/02/19	Stage 2B	Air				X	X															
47093G	4402568211	RISG-78-15.0-20191202	1912138A-03A	12/02/19	Stage 2B	Air				X	X															
47093G	4402568211	RISG-78-5.0-20191202	1912138A-04A	12/02/19	Stage 2B	Air				X	X															
47093G	4402568211	RISG-75-15.0-20191203	1912138A-05A	12/03/19	Stage 2B	Air				X	X															
47093G	4402568211	RISG-75-5.0-20191203	1912138A-06A	12/03/19	Stage 2B	Air				X	X															
47093G	4402568211	RISG-74-15.0-20191203	1912138A-07A	12/03/19	Stage 2B	Air	FD30			X	X															
47093G	4402568211	RISG-74-15.0-20191203-FD	1912138A-08A	12/03/19	Stage 2B	Air	FD30			X	X															

Table I. Sample Cross-Reference

LDC	SDG	Client Sample ID	Lab ID	Sample Date	Validation Level	Matrix	QC Type	VOC (8260B)	1,2,3-TCP and 1,4-Dioxane (8260B SIM)	VOC (TO-15/TO-15 SIM)	Helium (D1946)	Metals (200.7)	Arsenic (200.8)	Chromium (6010B)	Chromium VI (218.6)	Anions (300.0)	Chlorate (300.1B)	Perchlorate (314.0)	Nitrate Nitrite as N (by Calculation)	Sulfide (9034)	pH (9040C)	Alkalinity (2320B)	Conductivity (2510B)	TDS (2540C)	Ferrous Iron (3500-Fe B)	DOC (5310B)
47093G	4402568211	RISG-74-5.0-20191203	1912138A-09A	12/03/19	Stage 2B	Air	FD31			X	X															
47093G	4402568211	RISG-74-5.0-20191203-FD	1912138A-10A	12/03/19	Stage 2B	Air	FD31			X	X															
47093G	4402568211	RISG-72-5.0-20191204	1912138B-11A	12/04/19	Stage 2B	Air				X	X															
47093G	4402568211	RISG-72-15.0-20191204	1912138B-12A	12/04/19	Stage 2B	Air				X	X															
47093G	4402568211	RISG-77-15.0-20191122	1912138B-13A	11/22/19	Stage 2B	Air				X	X															
47093G	4402568211	RISG-77-4.5-20191122	1912138B-14A	11/22/19	Stage 2B	Air				X	X															
47093H	4402582221	RISG-69-5.0-20191209	1912313A-01A	12/09/19	Stage 2B	Air				X	X															
47093H	4402582221	RISG-69-15.0-20191209	1912313A-02A	12/09/19	Stage 2B	Air				X	X															
47093H	4402582221	RISG-55-15.0-20191210	1912313A-03A	12/10/19	Stage 2B	Air				X	X															
47093H	4402582221	RISG-55-5.0-20191210	1912313A-04A	12/10/19	Stage 2B	Air				X	X															
47093H	4402582221	RISG-54-5.0-20191210	1912313A-05A	12/10/19	Stage 2B	Air				X	X															
47093H	4402582221	RISG-54-15.0-20191210	1912313A-06A	12/10/19	Stage 2B	Air				X	X															
47093H	4402582221	RISG-56-5.0-20191210	1912313A-07A	12/10/19	Stage 2B	Air				X	X															

Table I. Sample Cross-Reference

LDC	SDG	Client Sample ID	Lab ID	Sample Date	Validation Level	Matrix	QC Type	VOC (8260B)	1,2,3-TCP and 1,4-Dioxane (8260B SIM)	VOC (TO-15/TO-15 SIM)	Helium (D1946)	Metals (200.7)	Arsenic (200.8)	Chromium (6010B)	Chromium VI (218.6)	Anions (300.0)	Chlorate (300.1B)	Perchlorate (314.0)	Nitrate Nitrite as N (by Calculation)	Sulfide (9034)	pH (9040C)	Alkalinity (2320B)	Conductivity (2510B)	TDS (2540C)	Ferrous Iron (3500-Fe B)	DOC (5310B)
47093H	4402582221	RISG-52-15.0-20191211	1912313A-08A	12/11/19	Stage 2B	Air				X	X															
47093H	4402582221	RISG-52-5.0-20191211	1912313A-09A	12/11/19	Stage 2B	Air				X	X															
47093H	4402582221	RISG-56-15.0-20191211	1912313A-10A	12/11/19	Stage 2B	Air				X	X															
47093H	4402582221	RISG-53-15.0-20191211	1912313B-11A	12/11/19	Stage 2B	Air				X	X															
47093H	4402582221	RISG-53-5.0-20191211	1912313B-12A	12/11/19	Stage 2B	Air				X	X															
47093H	4402582221	RISG-57-5.0-20191212	1912313B-13A	12/12/19	Stage 2B	Air				X	X															
47093H	4402582221	RISG-57-15.0-20191212	1912313B-14A	12/12/19	Stage 2B	Air				X	X															
47093H	4402582221	RISG-58-5.0-20191212	1912313B-15A	12/12/19	Stage 2B	Air				X	X															
47093H	4402582221	RISG-58-15.0-20191212	1912313B-16A	12/12/19	Stage 2B	Air				X	X															
47093I	4402582311	RISG-73-5.0-20191209	1912312A-01A	12/09/19	Stage 2B	Air				X	X															
47093I	4402582311	RISG-73-15.0-20191209	1912312A-02A	12/09/19	Stage 2B	Air				X	X															
47093I	4402582311	RISG-70-5.0-20191210	1912312A-03A	12/10/19	Stage 2B	Air				X	X															
47093I	4402582311	RISG-70-15.0-20191210	1912312A-04A	12/10/19	Stage 2B	Air				X	X															

Table I. Sample Cross-Reference

LDC	SDG	Client Sample ID	Lab ID	Sample Date	Validation Level	Matrix	QC Type	VOC (8260B)	1,2,3-TCP and 1,4-Dioxane (8260B SIM)	VOC (TO-15/TO-15 SIM)	Helium (D1946)	Metals (200.7)	Arsenic (200.8)	Chromium (6010B)	Chromium VI (218.6)	Anions (300.0)	Chlorate (300.1B)	Perchlorate (314.0)	Nitrate Nitrite as N (by Calculation)	Sulfide (9034)	pH (9040C)	Alkalinity (2320B)	Conductivity (2510B)	TDS (2540C)	Ferrous Iron (3500-Fe B)	DOC (5310B)
47093I	4402582311	RISG-68-5.0-20191210	1912312A-05A	12/10/19	Stage 2B	Air				X	X															
47093I	4402582311	RISG-68-15.0-20191210	1912312A-06A	12/10/19	Stage 2B	Air	FD32			X	X															
47093I	4402582311	RISG-68-15.0-20191210-FD	1912312A-07A	12/10/19	Stage 2B	Air	FD32			X	X															
47093I	4402582311	RISG-67-5.0-20191210	1912312A-08A	12/10/19	Stage 2B	Air				X	X															
47093I	4402582311	RISG-71-15.0-20191211	1912312A-09A	12/11/19	Stage 2B	Air				X	X															
47093I	4402582311	RISG-71-5.0-20191211	1912312A-10A	12/11/19	Stage 2B	Air	FD33			X	X															
47093I	4402582311	RISG-71-5.0-20191211-FD	1912312A-11A	12/11/19	Stage 2B	Air	FD33			X	X															
47093I	4402582311	RISG-66-15.0-20191211	1912312B-12A	12/11/19	Stage 2B	Air				X	X															
47093I	4402582311	RISG-66-5.0-20191211	1912312B-13A	12/11/19	Stage 2B	Air				X	X															
47093I	4402582311	RISG-64-15.0-20191211	1912312B-14A	12/11/19	Stage 2B	Air				X	X															
47093I	4402582311	RISG-67-15.0-20191211	1912312B-15A	12/11/19	Stage 2B	Air				X	X															
47093I	4402582311	RISG-64-5.0-20191212	1912312B-16A	12/12/19	Stage 2B	Air				X	X															
47093I	4402582311	RISG-65-5.0-20191212	1912312B-17A	12/12/19	Stage 2B	Air				X	X															

Table I. Sample Cross-Reference

LDC	SDG	Client Sample ID	Lab ID	Sample Date	Validation Level	Matrix	QC Type	VOC (8260B)	1,2,3-TCP and 1,4-Dioxane (8260B SIM)	VOC (TO-15/TO-15 SIM)	Helium (D1946)	Metals (200.7)	Arsenic (200.8)	Chromium (6010B)	Chromium VI (218.6)	Anions (300.0)	Chlorate (300.1B)	Perchlorate (314.0)	Nitrate Nitrite as N (by Calculation)	Sulfide (9034)	pH (9040C)	Alkalinity (2320B)	Conductivity (2510B)	TDS (2540C)	Ferrous Iron (3500-Fe B)	DOC (5310B)
47093I	4402582311	RISG-65-15.0-20191212	1912312B-18A	12/12/19	Stage 2B	Air	FD34			X	X															
47093I	4402582311	RISG-65-15.0-20191212-FD	1912312B-19A	12/12/19	Stage 2B	Air	FD34			X	X															
47093I	4402582311	RISG-63-5.0-20191212	1912312B-20A	12/12/19	Stage 2B	Air				X	X															
47093J	4402582551	RISG-63-15.0-20191212	1912671A-01A	12/12/19	Stage 2B	Air				X	X															
47093J	4402582551	RISG-62-5.0-20191213	1912671A-02A	12/13/19	Stage 2B	Air				X	X															
47093J	4402582551	RISG-62-15.0-20191213	1912671A-03A	12/13/19	Stage 2B	Air				X	X															
47093J	4402582551	RISG-60-5.0-20191213	1912671A-04A	12/13/19	Stage 2B	Air				X	X															
47093J	4402582551	RISG-59-5.0-20191213	1912671A-06A	12/13/19	Stage 2B	Air				X	X															
47093J	4402582551	RISG-61-5.0-20191216	1912671A-08A	12/16/19	Stage 2B	Air	FD35			X	X															
47093J	4402582551	RISG-61-5.0-20191216-FD	1912671A-09A	12/16/19	Stage 2B	Air	FD35			X	X															
47093J	4402582551	RISG-76-5.0-20191216	1912671A-10A	12/16/19	Stage 2B	Air				X	X															
47093J	4402582551	RISG-79-5.0-20191217	1912671A-12A	12/17/19	Stage 2B	Air				X	X															
47093J	4402582551	RISG-79-15.0-20191217	1912671A-13A	12/17/19	Stage 2B	Air				X	X															

Table I. Sample Cross-Reference

LDC	SDG	Client Sample ID	Lab ID	Sample Date	Validation Level	Matrix	QC Type	VOC (8260B)	1,2,3-TCP and 1,4-Dioxane (8260B SIM)	VOC (TO-15/TO-15 SIM)	Helium (D1946)	Metals (200.7)	Arsenic (200.8)	Chromium (6010B)	Chromium VI (218.6)	Anions (300.0)	Chlorate (300.1B)	Perchlorate (314.0)	Nitrate Nitrite as N (by Calculation)	Sulfide (9034)	pH (9040C)	Alkalinity (2320B)	Conductivity (2510B)	TDS (2540C)	Ferrous Iron (3500-Fe B)	DOC (5310B)
47093J	4402582551	RISG-90-15.0-20191217	1912671B-14A	12/17/19	Stage 2B	Air				X	X															
47093J	4402582551	RISG-88-5.0-20191218	1912671B-15A	12/18/19	Stage 2B	Air				X	X															
47093J	4402582551	RISG-88-15.0-20191218	1912671B-16A	12/18/19	Stage 2B	Air				X	X															
47093J	4402582551	RISG-90-5.0-20191217	1912671B-18A	12/17/19	Stage 2B	Air				X	X															
47093K	4402584411	RISG-61-10.0-20191231	2001025A-01A	12/31/19	Stage 2B	Air				X	X															
47093L	4402591921	RISG-89-15.0-20200108	2001124A-01A	01/08/20	Stage 2B	Air	FD36			X	X															
47093L	4402591921	RISG-89-15.0-20200108-FD	2001124A-02A	01/08/20	Stage 2B	Air	FD36			X	X															
47093M	4402596531	RISG-20-5.0-20200121	2001483A-01A	01/21/20	Stage 2B	Air				X	X															
47093M	4402596531	RISG-20-15.0-20200121	2001483A-02A	01/21/20	Stage 2B	Air				X	X															
47093M	4402596531	RISG-89-05.0-20200121	2001483A-03A	01/21/20	Stage 2B	Air				X	X															
47093M	4402596531	RISG-60-15.0-20200122	2001483A-04A	01/22/20	Stage 2B	Air				X	X															
47093M	4402596531	RISG-59-15.0-20200122	2001483A-05A	01/22/20	Stage 2B	Air				X	X															
47093M	4402596531	RISG-76-15.0-20200122	2001483A-06A	01/22/20	Stage 2B	Air				X	X															

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

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

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

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

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

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

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

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

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

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

Parameter	Number of Samples							Validation Percentage				
	(Water[1]) Stage 2A	(Soil) Stage 2B	(Soil) Stage 4	Soil Total	(Air[2]) Stage 2B	(Air) Stage 4	Air Total	(Water) Stage 2A (%)	(Soil) Stage 2B (%)	(Soil) Stage 4 (%)	(Air) Stage 2B (%)	(Air) Stage 4 (%)
VOC (8260B)	7	33	5	38	-	-	-	100	87	13	-	-
1,2,3-Trichloropropane & 1,4-Dioxane (8260B-SIM)	6	-	-	-	-	-	-	100	-	-	-	-
VOC (TO-15/TO-15 SIM)	-	-	-	-	137	16	153	-	-	-	90	10
Helium (D1946)	-	-	-	-	137	16	153	-	-	-	90	10
Metals (200.7)	19	-	-	-	-	-	-	100	-	-	-	-
Arsenic (200.8)	4	-	-	-	-	-	-	100	-	-	-	-
Chromium (6010B)	-	194	27	221	-	-	-	-	88	12	-	-
Chromium VI (218.6)	18	-	-	-	-	-	-	100	-	-	-	-
Anions (300.0)	18	109	13	122	-	-	-	100	89	11	-	-
Chlorate (300.1B)	19	194	27	221	-	-	-	100	88	12	-	-
Perchlorate (314.0)	19	194	27	221	-	-	-	100	88	12	-	-
Nitrate Nitrite as N (by Calculation)	-	109	13	122	-	-	-	-	89	11	-	-
Sulfide (9034)	4	-	-	-	-	-	-	100	-	-	-	-
pH (9040C)	9	-	-	-	-	-	-	100	-	-	-	-
Alkalinity (2320B)	18	-	-	-	-	-	-	100	-	-	-	-
Conductivity (2510B)	2	-	-	-	-	-	-	100	-	-	-	-
TDS (2540C)	9	-	-	-	-	-	-	100	-	-	-	-
Ferrous Iron (3500 Fe-B)	2	-	-	-	-	-	-	100	-	-	-	-
DOC (5310B)	4	-	-	-	-	-	-	100	-	-	-	-

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 VOC by EPA Method TO-15 and Helium by ASTM D1946.

Table IV. Reason Codes and Definitions

Reason Code	Explanation
a	qualified due to low abundance (radiochemical activity)
ba	blank contamination above PQL
bb	blank contamination below PQL
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 RPD exceeded
e	concentration exceeded the calibration range
fd	qualified due to field duplicate imprecision
h	qualified due to holding time exceedance
i	qualified due to internal standard areas
k	qualified as Estimated Maximum Possible Concentrations (dioxins and PCB congeners)
l	qualified due to LCS recoveries
ld	qualified due to lab duplicate imprecision (matrix duplicate, MSD, LCSD)
m	qualified due to matrix spike recoveries
nb	qualified due to negative lab blank contamination (nondetect results only)
nd	qualified due to non-detected target analyte
o	other
orr	other result reported
p	qualified as a false positive due to contamination during shipping
pH	sample preservation not within acceptance range
q	qualified due to quantitation problem
s	qualified due to surrogate recoveries
sd	serial dilution did not meet control criteria
sp	detected value reported >SQL <PQL
st	sample receipt temperature exceeded
t	qualified due to elevated helium tracer concentrations
vh	volatile headspace detected in aqueous sample containers submitted for VOC analysis
x	qualified due to low % solids
z	qualified due to ICS results

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator	Qualification Finding	Acceptance Criteria	
4402323661	PCDB-15-50.0-20190204	02/04/19	NO2NO3_Calc	NO3/NO2-N	Nitrate Nitrite as N	1.5	J	1.5	2.0	mg/kg	J	sp	<PQL			
4402323661	PCDB-15-50.0-20190204	02/04/19	SW8260	75-71-8	Dichlorodifluoromethane		U	0.0011	0.0021	mg/kg	UJ	c	ICV %D	29.8	20	%
4402323661	PCDB-15-60.0-20190204	02/04/19	SW8260	75-71-8	Dichlorodifluoromethane		U	0.0017	0.0034	mg/kg	UJ	c	ICV %D	29.8	20	%
4402323661	PCDB-15-70.0-20190204	02/04/19	SW8260	75-71-8	Dichlorodifluoromethane		U	0.0010	0.0021	mg/kg	UJ	c	ICV %D	29.8	20	%
4402323661	PCDB-15-80.0-20190204	02/04/19	SW8260	75-71-8	Dichlorodifluoromethane		U	0.0012	0.0025	mg/kg	UJ	c	ICV %D	29.8	20	%
4402323661	PCDB-15-80.0-20190204	02/04/19	SW8260	67-64-1	Acetone	0.011	J	0.0099	0.025	mg/kg	J	sp	<PQL			
4402323661	PCDB-15-90.0-20190204	02/04/19	SW8260	75-71-8	Dichlorodifluoromethane		U	0.0015	0.0031	mg/kg	UJ	c	ICV %D	29.8	20	%
4402323661	PCDB-15-100.0-20190204	02/04/19	SW8260	75-71-8	Dichlorodifluoromethane		U	0.0017	0.0033	mg/kg	UJ	c	ICV %D	29.8	20	%
4402323661	PCDB-15-100.0-20190204	02/04/19	SW8260	67-64-1	Acetone	0.021	J	0.013	0.033	mg/kg	J	sp	<PQL			
4402323661	PCDB-15-110.0-20190204	02/04/19	SW8260	67-64-1	Acetone	0.015	J	0.0067	0.017	mg/kg	J	sp	<PQL			
4402323661	PCDB-15-110.0-20190204	02/04/19	SW8260	75-71-8	Dichlorodifluoromethane		U	0.00084	0.0017	mg/kg	UJ	c	ICV %D	29.8	20	%
4402323661	PCDB-15-120.0-20190204	02/04/19	SW8260	67-64-1	Acetone	0.026	J	0.012	0.031	mg/kg	J	sp	<PQL			
4402323661	PCDB-15-120.0-20190204	02/04/19	SW8260	75-71-8	Dichlorodifluoromethane		U	0.0012	0.0024	mg/kg	UJ	c	ICV %D	29.8	20	%
4402323661	PCDB-15-130.0-20190204	02/04/19	SW8260	75-71-8	Dichlorodifluoromethane		U	0.0026	0.0051	mg/kg	UJ	c	ICV %D	29.8	20	%
4402323661	PCDB-15-150.0-20190204	02/04/19	E300.1	14866-68-3	Chlorate	0.039	JF1	0.029	0.29	mg/kg	J-	m,sp	MS/MSD %R; <PQL	73,-	75-125	%
4402325761	PCDB-16-50.0-20190205	02/05/19	E300	14797-65-0_N	Nitrite as N		U	1.2	1.7	mg/kg	UJ	m	MS/MSD %R	69,72	80-120	%
4402325761	PCDB-16-50.0-20190205	02/05/19	NO2NO3_Calc	NO3/NO2-N	Nitrate Nitrite as N		U	1.2	1.7	mg/kg	UJ	m	MS/MSD %R	69,72	80-120	%
4402325761	PCDB-16-50.0-20190205	02/05/19	SW8260	91-20-3	Naphthalene	0.00060	J	0.00060	0.0012	mg/kg	J	sp	<PQL			
4402325761	PCDB-16-50.0-20190205	02/05/19	SW8260	96-12-8	1,2-Dibromo-3-chloropropane		U	0.0012	0.0030	mg/kg	UJ	c	CCV %D	20.2	20	%
4402325761	PCDB-16-50.0-20190205	02/05/19	SW8260	95-50-1	1,2-Dichlorobenzene	0.00044	J	0.00030	0.00060	mg/kg	J	sp	<PQL			
4402325761	PCDB-16-50.0-20190205	02/05/19	SW8260	108-90-7	Chlorobenzene	0.00033	J	0.00030	0.00060	mg/kg	J	sp	<PQL			
4402325761	PCDB-16-60.0-20190205	02/05/19	E300	14797-65-0_N	Nitrite as N		U	1.9	2.7	mg/kg	UJ	m	MS/MSD %R	69,72	80-120	%
4402325761	PCDB-16-60.0-20190205	02/05/19	E300.1	14866-68-3	Chlorate	0.23	J	0.036	0.36	mg/kg	J	sp	<PQL			
4402325761	PCDB-16-60.0-20190205	02/05/19	NO2NO3_Calc	NO3/NO2-N	Nitrate Nitrite as N		U	1.9	2.7	mg/kg	UJ	m	MS/MSD %R	69,72	80-120	%
4402325761	PCDB-16-60.0-20190205	02/05/19	SW8260	67-66-3	Chloroform	0.0020	J	0.0011	0.0022	mg/kg	J	sp	<PQL			
4402325761	PCDB-16-60.0-20190205	02/05/19	SW8260	91-20-3	Naphthalene	0.0033	J	0.0022	0.0043	mg/kg	J	sp	<PQL			
4402325761	PCDB-16-60.0-20190205	02/05/19	SW8260	96-12-8	1,2-Dibromo-3-chloropropane		U	0.0043	0.011	mg/kg	UJ	c	CCV %D	20.2	20	%
4402325761	PCDB-16-70.0-20190205	02/05/19	E300	14797-65-0_N	Nitrite as N		U	1.7	2.3	mg/kg	UJ	m	MS/MSD %R	69,72	80-120	%
4402325761	PCDB-16-70.0-20190205	02/05/19	E300.1	14866-68-3	Chlorate	0.058	J	0.031	0.31	mg/kg	J	sp	<PQL			
4402325761	PCDB-16-70.0-20190205	02/05/19	NO2NO3_Calc	NO3/NO2-N	Nitrate Nitrite as N		U	1.7	2.3	mg/kg	UJ	m	MS/MSD %R	69,72	80-120	%
4402325761	PCDB-16-70.0-20190205	02/05/19	SW8260	96-12-8	1,2-Dibromo-3-chloropropane		U	0.0031	0.0077	mg/kg	UJ	c	CCV %D	20.2	20	%
4402325761	PCDB-16-70.0-20190205	02/05/19	SW8260	67-66-3	Chloroform	0.0013	J	0.00077	0.0015	mg/kg	J	sp	<PQL			
4402325761	PCDB-16-80.0-20190205	02/05/19	E300	14797-65-0_N	Nitrite as N		U	1.3	1.8	mg/kg	UJ	m	MS/MSD %R	69,72	80-120	%
4402325761	PCDB-16-80.0-20190205	02/05/19	NO2NO3_Calc	NO3/NO2-N	Nitrate Nitrite as N		U	1.3	1.8	mg/kg	UJ	m	MS/MSD %R	69,72	80-120	%
4402325761	PCDB-16-80.0-20190205	02/05/19	SW6010	7440-47-3	Chromium (total)	2.2		0.60	1.2	mg/kg	J	fd	FD RPD	51.0	50	%
4402325761	PCDB-16-80.0-20190205	02/05/19	SW8260	96-12-8	1,2-Dibromo-3-chloropropane		U	0.0024	0.0060	mg/kg	UJ	c	CCV %D	20.2	20	%
4402325761	PCDB-16-80.0-20190205-FD	02/05/19	E300	14797-65-0_N	Nitrite as N		U	1.4	1.9	mg/kg	UJ	m	MS/MSD %R	69,72	80-120	%
4402325761	PCDB-16-80.0-20190205-FD	02/05/19	NO2NO3_Calc	NO3/NO2-N	Nitrate Nitrite as N		U	1.4	1.9	mg/kg	UJ	m	MS/MSD %R	69,72	80-120	%
4402325761	PCDB-16-80.0-20190205-FD	02/05/19	SW6010	7440-47-3	Chromium (total)	1.3		0.64	1.3	mg/kg	J	fd	FD RPD	51.0	50	%
4402325761	PCDB-16-90.0-20190205	02/05/19	E300	14797-65-0_N	Nitrite as N		U	1.6	2.2	mg/kg	UJ	m	MS/MSD %R	69,72	80-120	%
4402325761	PCDB-16-90.0-20190205	02/05/19	NO2NO3_Calc	NO3/NO2-N	Nitrate Nitrite as N		U	1.6	2.2	mg/kg	UJ	m	MS/MSD %R	69,72	80-120	%
4402325761	PCDB-16-90.0-20190205	02/05/19	SW8260	96-12-8	1,2-Dibromo-3-chloropropane		U	0.0022	0.0055	mg/kg	UJ	c	CCV %D	20.2	20	%
4402325761	PCDB-16-100.0-20190205	02/05/19	E300	14797-65-0_N	Nitrite as N		U	1.4	1.9	mg/kg	UJ	m	MS/MSD %R	69,72	80-120	%
4402325761	PCDB-16-100.0-20190205	02/05/19	NO2NO3_Calc	NO3/NO2-N	Nitrate Nitrite as N		U	1.4	1.9	mg/kg	UJ	m	MS/MSD %R	69,72	80-120	%
4402325761	PCDB-16-100.0-20190205	02/05/19	SW8260	67-64-1	Acetone	0.015	J	0.0078	0.020	mg/kg	J	sp	<PQL			
4402325761	PCDB-16-110.0-20190205	02/05/19	E300	14797-65-0_N	Nitrite as N		U	1.5	2.0	mg/kg	UJ	m	MS/MSD %R	69,72	80-120	%
4402325761	PCDB-16-110.0-20190205	02/05/19	NO2NO3_Calc	NO3/NO2-N	Nitrate Nitrite as N		U	1.5	2.0	mg/kg	UJ	m	MS/MSD %R	69,72	80-120	%
4402325761	PCDB-16-120.0-20190205	02/05/19	E300	14797-65-0_N	Nitrite as N		UF1	1.5	2.0	mg/kg	UJ	m	MS/MSD %R	69,72	80-120	%
4402325761	PCDB-16-120.0-20190205	02/05/19	NO2NO3_Calc	NO3/NO2-N	Nitrate Nitrite as N		U	1.5	2.0	mg/kg	UJ	m	MS/MSD %R	69,72	80-120	%
4402325761	PCDB-16-120.0-20190205	02/05/19	SW8260	96-12-8	1,2-Dibromo-3-chloropropane		U	0.0020	0.0050	mg/kg	UJ	c	CCV %D	20.2	20	%
4402325761	PCDB-16-130.0-20190205	02/05/19	E300	14797-65-0_N	Nitrite as N		U	1.5	2.0	mg/kg	UJ	m	MS/MSD %R	69,72	80-120	%
4402325761	PCDB-16-130.0-20190205	02/05/19	NO2NO3_Calc	NO3/NO2-N	Nitrate Nitrite as N		U	1.5	2.0	mg/kg	UJ	m	MS/MSD %R	69,72	80-120	%
4402325761	PCDB-16-130.0-20190205	02/05/19	SW8260	67-64-1	Acetone	0.016	J	0.010	0.025	mg/kg	J	sp	<PQL			
4402325761	PCDB-16-140.0-20190205	02/05/19	E300	14797-65-0_N	Nitrite as N		U	1.5	2.0	mg/kg	UJ	m	MS/MSD %R	69,72	80-120	%
4402325761	PCDB-16-140.0-20190205	02/05/19	NO2NO3_Calc	NO3/NO2-N	Nitrate Nitrite as N		U	1.5	2.0	mg/kg	UJ	m	MS/MSD %R	69,72	80-120	%
4402325761	PCDB-16-140.0-20190205	02/05/19	SW8260	67-64-1	Acetone	0.011	J	0.0082	0.021	mg/kg	J	sp	<PQL			
4402325761	PCDB-16-150.0-20190205	02/05/19	E300	14797-65-0_N	Nitrite as N		U	1.6	2.2	mg/kg	UJ	m	MS/MSD %R	69,72	80-120	%
4402325761	PCDB-16-150.0-20190205	02/05/19	NO2NO3_Calc	NO3/NO2-N	Nitrate Nitrite as N		U	1.6	2.2	mg/kg	UJ	m	MS/MSD %R	69,72	80-120	%
4402327271	PCDB-17-50.0-20190206	02/06/19	E300	14797-65-0_N	Nitrite as N		U	2.1	2.9	mg/kg	UJ	m	MS/MSD %R	46,52	80-120	%
4402327271	PCDB-17-50.0-20190206	02/06/19	NO2NO3_Calc	NO3/NO2-N	Nitrate Nitrite as N	6.5		2.1	2.9	mg/kg	J-	m	MS/MSD %R	46,52	80-120	%
4402327271	PCDB-17-50.0-20190206	02/06/19	SW8260	95-50-1	1,2-Dichlorobenzene	0.0012	J	0.00099	0.0020	mg/kg	J	sp	<PQL			
4402327271	PCDB-17-50.0-20190206	02/06/19	SW8260	96-12-8	1,2-Dibromo-3-chloropropane		U	0.0040	0.0099	mg/kg	UJ	c	CCV %D	21.1	20	%
4402327271	PCDB-17-60.0-20190206	02/06/19	E300	14797-65-0_N	Nitrite as N		U	1.6	2.1	mg/kg	UJ	m	MS/MSD %R	46,52	80-120	%
4402327271	PCDB-17-60.0-20190206	02/06/19	NO2NO3_Calc	NO3/NO2-N	Nitrate Nitrite as N		U	1.6	2.1	mg/kg	UJ	m	MS/MSD %R	46,52	80-120	%
4402327271	PCDB-17-60.0-20190206	02/06/19	SW8260	96-12-8	1,2-Dibromo-3-chloropropane		U	0.0023	0.0057	mg/kg	UJ	c	CCV %D	21.1	20	%
4402327271	PCDB-17-70.0-20190206	02/06/19	E300	14797-65-0_N	Nitrite as N		U	1.8	2.5	mg/kg	UJ	m	MS/MSD %R	46,52	80-120	%

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator	Qualification Finding	Acceptance Criteria	
4402327271	PCDB-17-70.0-20190206	02/06/19	NO2NO3_Calc	NO3/NO2-N	Nitrate Nitrite as N		U	1.8	2.5	mg/kg	UJ	m	MS/MSD %R	46,52	80-120	%
4402327271	PCDB-17-70.0-20190206	02/06/19	SW8260	96-12-8	1,2-Dibromo-3-chloropropane		U	0.0029	0.0073	mg/kg	UJ	c	CCV %D	21.1	20	%
4402327271	PCDB-17-80.0-20190206	02/06/19	E300	14797-65-0_N	Nitrite as N		U	1.5	2.0	mg/kg	UJ	m	MS/MSD %R	46,52	80-120	%
4402327271	PCDB-17-80.0-20190206	02/06/19	NO2NO3_Calc	NO3/NO2-N	Nitrate Nitrite as N		U	1.5	2.0	mg/kg	UJ	m	MS/MSD %R	46,52	80-120	%
4402327271	PCDB-17-80.0-20190206	02/06/19	SW8260	96-12-8	1,2-Dibromo-3-chloropropane		U	0.0021	0.0054	mg/kg	UJ	c	CCV %D	21.1	20	%
4402327271	PCDB-17-90.0-20190206	02/06/19	E300	14797-65-0_N	Nitrite as N		U	1.6	2.1	mg/kg	UJ	m	MS/MSD %R	46,52	80-120	%
4402327271	PCDB-17-90.0-20190206	02/06/19	NO2NO3_Calc	NO3/NO2-N	Nitrate Nitrite as N		U	1.6	2.1	mg/kg	UJ	m	MS/MSD %R	46,52	80-120	%
4402327271	PCDB-17-90.0-20190206	02/06/19	SW8260	67-64-1	Acetone	0.016	J	0.0099	0.025	mg/kg	J	sp	<PQL			
4402327271	PCDB-17-90.0-20190206	02/06/19	SW8260	96-12-8	1,2-Dibromo-3-chloropropane		U	0.0025	0.0062	mg/kg	UJ	c	CCV %D	21.1	20	%
4402327271	PCDB-17-100.0-20190206	02/06/19	E300	14797-65-0_N	Nitrite as N		U	1.6	2.2	mg/kg	UJ	m	MS/MSD %R	46,52	80-120	%
4402327271	PCDB-17-100.0-20190206	02/06/19	NO2NO3_Calc	NO3/NO2-N	Nitrate Nitrite as N		U	1.6	2.2	mg/kg	UJ	m	MS/MSD %R	46,52	80-120	%
4402327271	PCDB-17-100.0-20190206	02/06/19	SW8260	96-12-8	1,2-Dibromo-3-chloropropane		U	0.0026	0.0065	mg/kg	UJ	c	CCV %D	21.1	20	%
4402327271	PCDB-17-110.0-20190206	02/06/19	E300	14797-65-0_N	Nitrite as N		U	1.4	1.9	mg/kg	UJ	m	MS/MSD %R	46,52	80-120	%
4402327271	PCDB-17-110.0-20190206	02/06/19	NO2NO3_Calc	NO3/NO2-N	Nitrate Nitrite as N		U	1.4	1.9	mg/kg	UJ	m	MS/MSD %R	46,52	80-120	%
4402327271	PCDB-17-110.0-20190206	02/06/19	SW8260	67-64-1	Acetone	0.013	J	0.0075	0.019	mg/kg	J	sp	<PQL			
4402327271	PCDB-17-110.0-20190206	02/06/19	SW8260	96-12-8	1,2-Dibromo-3-chloropropane		U	0.0019	0.0047	mg/kg	UJ	c	CCV %D	21.1	20	%
4402327271	PCDB-17-120.0-20190206	02/06/19	E300	14797-65-0_N	Nitrite as N		U	1.5	2.0	mg/kg	UJ	m	MS/MSD %R	46,52	80-120	%
4402327271	PCDB-17-120.0-20190206	02/06/19	NO2NO3_Calc	NO3/NO2-N	Nitrate Nitrite as N		U	1.5	2.0	mg/kg	UJ	m	MS/MSD %R	46,52	80-120	%
4402327271	PCDB-17-120.0-20190206	02/06/19	SW6010	7440-47-3	Chromium (total)	10		0.67	1.3	mg/kg	J	fd	FD RPD	57	50	%
4402327271	PCDB-17-120.0-20190206	02/06/19	SW8260	96-12-8	1,2-Dibromo-3-chloropropane		U	0.0027	0.0068	mg/kg	UJ	c	CCV %D	21.1	20	%
4402327271	PCDB-17-120.0-20190206	02/06/19	SW8260	67-64-1	Acetone	0.014	J	0.011	0.027	mg/kg	J	sp	<PQL			
4402327271	PCDB-17-120.0-20190206-FD	02/06/19	E300	14797-65-0_N	Nitrite as N		UF1	1.5	2.1	mg/kg	UJ	m	MS/MSD %R	46,52	80-120	%
4402327271	PCDB-17-120.0-20190206-FD	02/06/19	NO2NO3_Calc	NO3/NO2-N	Nitrate Nitrite as N		U	1.5	2.1	mg/kg	UJ	m	MS/MSD %R	46,52	80-120	%
4402327271	PCDB-17-120.0-20190206-FD	02/06/19	SW6010	7440-47-3	Chromium (total)	18		0.68	1.4	mg/kg	J	fd	FD RPD	57	50	%
4402327271	PCDB-17-120.0-20190206-FD	02/06/19	SW8260	96-12-8	1,2-Dibromo-3-chloropropane		U	0.0021	0.0053	mg/kg	UJ	c	CCV %D	21.1	20	%
4402327271	PCDB-17-120.0-20190206-FD	02/06/19	SW8260	67-64-1	Acetone	0.014	J	0.0085	0.021	mg/kg	J	sp	<PQL			
4402327271	PCDB-17-130.0-20190206	02/06/19	E300	14797-65-0_N	Nitrite as N		UF1	1.3	1.8	mg/kg	UJ	m	MS/MSD %R	46,52	80-120	%
4402327271	PCDB-17-130.0-20190206	02/06/19	NO2NO3_Calc	NO3/NO2-N	Nitrate Nitrite as N		U	1.3	1.8	mg/kg	UJ	m	MS/MSD %R	46,52	80-120	%
4402327271	PCDB-17-130.0-20190206	02/06/19	SW8260	96-12-8	1,2-Dibromo-3-chloropropane		U	0.0022	0.0054	mg/kg	UJ	c	CCV %D	21.1	20	%
4402327271	PCDB-17-130.0-20190206	02/06/19	SW8260	67-64-1	Acetone	0.011	J	0.0086	0.022	mg/kg	J	sp	<PQL			
4402327271	PCDB-17-140.0-20190206	02/06/19	E300	14797-65-0_N	Nitrite as N		U	1.5	2.1	mg/kg	UJ	m	MS/MSD %R	46,52	80-120	%
4402327271	PCDB-17-140.0-20190206	02/06/19	NO2NO3_Calc	NO3/NO2-N	Nitrate Nitrite as N		U	1.5	2.1	mg/kg	UJ	m	MS/MSD %R	46,52	80-120	%
4402327271	PCDB-17-140.0-20190206	02/06/19	SW8260	96-12-8	1,2-Dibromo-3-chloropropane		U	0.0032	0.0081	mg/kg	UJ	c	CCV %D	21.1	20	%
4402327271	PCDB-17-140.0-20190206	02/06/19	SW8260	67-64-1	Acetone	0.021	J	0.013	0.032	mg/kg	J	sp	<PQL			
4402327271	PCDB-17-150.0-20190206	02/06/19	E300	14797-65-0_N	Nitrite as N		U	1.6	2.2	mg/kg	UJ	m	MS/MSD %R	46,52	80-120	%
4402327271	PCDB-17-150.0-20190206	02/06/19	NO2NO3_Calc	NO3/NO2-N	Nitrate Nitrite as N		U	1.6	2.2	mg/kg	UJ	m	MS/MSD %R	46,52	80-120	%
4402327271	PCDB-17-150.0-20190206	02/06/19	SW8260	96-12-8	1,2-Dibromo-3-chloropropane		U	0.0032	0.0081	mg/kg	UJ	c	CCV %D	21.1	20	%
4402327271	PCDB-17-150.0-20190206	02/06/19	SW8260	67-64-1	Acetone	0.019	J	0.013	0.032	mg/kg	J	sp	<PQL			
4402327271	PCDB-17-20190206-TB	02/06/19	SW8260	96-12-8	1,2-Dibromo-3-chloropropane		U	0.0020	0.0050	mg/kg	UJ	c	CCV %D	21.1	20	%
4402372481	NERT3.60S1-10.0-20190326	03/26/19	E300.1	14866-68-3	Chlorate	0.17	J	0.021	0.21	mg/kg	J	sp	<PQL			
4402372481	NERT3.60S1-10.0-20190326	03/26/19	E314.0	14797-73-0	Perchlorate	0.22		0.0029	0.010	mg/kg	J-	m	MS/MSD %R	-,77	80-120	%
4402372481	NERT3.60S1-20.0-20190326	03/26/19	E300.1	14866-68-3	Chlorate	0.16	J	0.021	0.21	mg/kg	J	sp	<PQL			
4402372481	NERT3.60S1-20.0-20190326	03/26/19	E314.0	14797-73-0	Perchlorate	0.14		0.0029	0.010	mg/kg	J-	m	MS/MSD %R	-,77	80-120	%
4402372481	NERT4.64S1-10.0-20190325	03/25/19	E314.0	14797-73-0	Perchlorate	2.0		0.15	0.53	mg/kg	J-	m	MS/MSD %R	-,77	80-120	%
4402372481	NERT4.64S1-20.0-20190325	03/25/19	E314.0	14797-73-0	Perchlorate	2.9		0.14	0.52	mg/kg	J-	m	MS/MSD %R	-,77	80-120	%
4402372481	NERT4.64S1-30.0-20190325	03/25/19	E314.0	14797-73-0	Perchlorate	0.45		0.0031	0.011	mg/kg	J-	m	MS/MSD %R	-,77	80-120	%
4402372481	NERT4.64S1-40.0-20190325	03/25/19	E314.0	14797-73-0	Perchlorate	0.38		0.0030	0.011	mg/kg	J-	m	MS/MSD %R	-,77	80-120	%
4402372481	NERT4.64S1-50.0-20190325	03/25/19	E314.0	14797-73-0	Perchlorate	0.28	F1	0.0030	0.011	mg/kg	J-	m	MS/MSD %R	-,77	80-120	%
4402374891	NERT3.58S1-10.0-20190327	03/27/19	E314.0	14797-73-0	Perchlorate	9.2		0.62	2.2	mg/kg	J-	m	MS/MSD %R	-,77	80-120	%
4402374891	NERT3.58S1-20.0-20190327	03/27/19	E314.0	14797-73-0	Perchlorate	11		0.64	2.3	mg/kg	J-	m	MS/MSD %R	11,20	80-120	%
4402374891	NERT3.58S1-30.0-20190327	03/27/19	E314.0	14797-73-0	Perchlorate	0.44		0.0030	0.011	mg/kg	J-	m	MS/MSD %R	-,77	80-120	%
4402374891	NERT3.58S1-40.0-20190327	03/27/19	E314.0	14797-73-0	Perchlorate	11		0.64	2.3	mg/kg	J-	m	MS/MSD %R	-,77	80-120	%
4402374891	NERT3.58S1-50.0-20190327	03/27/19	E314.0	14797-73-0	Perchlorate	0.14		0.0031	0.011	mg/kg	J-	m	MS/MSD %R	-,77	80-120	%
4402374891	NERT3.58S1-60.0-20190327	03/27/19	E314.0	14797-73-0	Perchlorate	0.13		0.0031	0.011	mg/kg	J-	m	MS/MSD %R	11,20	80-120	%
4402374891	NERT3.60S1-30.0-20190326	03/26/19	E314.0	14797-73-0	Perchlorate	0.74		0.029	0.11	mg/kg	J-	m	MS/MSD %R	-,77	80-120	%
4402374891	NERT3.60S1-40.0-20190326	03/26/19	E314.0	14797-73-0	Perchlorate	0.19		0.0032	0.011	mg/kg	J-	m	MS/MSD %R	-,77	80-120	%
4402374891	NERT3.60S1-50.0-20190326	03/26/19	E314.0	14797-73-0	Perchlorate	0.14		0.0031	0.011	mg/kg	J-	m	MS/MSD %R	-,77	80-120	%
4402374891	NERT3.60S1-60.0-20190327	03/27/19	E314.0	14797-73-0	Perchlorate	0.095		0.0030	0.011	mg/kg	J-	m	MS/MSD %R	-,77	80-120	%
4402374891	NERT3.60S1-70.0-20190327	03/27/19	E314.0	14797-73-0	Perchlorate	1.5		0.032	0.11	mg/kg	J-	m	MS/MSD %R	-,77	80-120	%
4402374891	NERT3.60S1-70.0-20190327-FD	03/27/19	E314.0	14797-73-0	Perchlorate	2.3		0.062	0.22	mg/kg	J-	m	MS/MSD %R	-,77	80-120	%
4402374891	NERT3.60S1-80.0-20190327	03/27/19	E314.0	14797-73-0	Perchlorate	0.11		0.0031	0.011	mg/kg	J-	m	MS/MSD %R	-,77	80-120	%
4402374891	NERT3.60S1-90.0-20190327	03/27/19	E314.0	14797-73-0	Perchlorate	13		0.61	2.2	mg/kg	J-	m	MS/MSD %R	-,77	80-120	%
4402375311	NERT3.35S1-10.0-20190329	03/29/19	E314.0	14797-73-0	Perchlorate	19		0.59	2.1	mg/kg	J-	m	MS/MSD %R	11,20	80-120	%
4402375311	NERT3.35S1-20.0-20190329	03/29/19	E314.0	14797-73-0	Perchlorate	0.59	F1	0.029	0.10	mg/kg	J-	m	MS/MSD %R	11,20	80-120	%
4402375311	NERT3.35S1-30.0-20190329	03/29/19	E300.1	14866-68-3	Chlorate	0.044	J	0.021	0.21	mg/kg	J	sp	<PQL			
4402375311	NERT3.35S1-30.0-20190329	03/29/19	E314.0	14797-73-0	Perchlorate	0.038		0.0029	0.010	mg/kg	J-	m	MS/MSD %R	11,20	80-120	%

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator	Qualification Finding	Acceptance Criteria	
4402375311	NERT3.35S1-30.0-20190329-FD	03/29/19	E300.1	14866-68-3	Chlorate	0.046	J	0.021	0.21	mg/kg	J	sp	<PQL			
4402375311	NERT3.35S1-30.0-20190329-FD	03/29/19	E314.0	14797-73-0	Perchlorate	0.053		0.0029	0.010	mg/kg	J-	m	MS/MSD %R	11,20	80-120	%
4402377751	NERT3.98S1-10.0-20190402	04/02/19	E314.0	14797-73-0	Perchlorate	0.0079	J	0.0031	0.011	mg/kg	J	bl,bb,sp	blank contamination below PQL; <PQL	0.377	3.77	ug/L
4402377751	NERT3.98S1-20.0-20190402	04/02/19	E300.1	14866-68-3	Chlorate	0.60	F1	0.022	0.22	mg/kg	J-	m	MS/MSD %R	49,48	75-125	%
4402381281	NERT4.64N1-30.0-20190403	04/03/19	E314.0	14797-73-0	Perchlorate	0.065		0.0038	0.014	mg/kg	J-	m	MS/MSD %R	59,59	80-120	%
4402381281	NERT4.64N1-30.0-20190403-FD	04/03/19	E314.0	14797-73-0	Perchlorate	0.054		0.0040	0.014	mg/kg	J-	m	MS/MSD %R	59,59	80-120	%
4402381281	NERT4.64N1-40.0-20190403	04/03/19	E314.0	14797-73-0	Perchlorate	0.069		0.0042	0.015	mg/kg	J-	m	MS/MSD %R	59,59	80-120	%
4402381281	NERT4.64N1-50.0-20190403	04/03/19	E314.0	14797-73-0	Perchlorate	0.038		0.0039	0.014	mg/kg	J-	m	MS/MSD %R	59,59	80-120	%
4402381281	NERT4.64N1-60.0-20190403	04/03/19	E314.0	14797-73-0	Perchlorate	0.048		0.0031	0.011	mg/kg	J-	m	MS/MSD %R	59,59	80-120	%
4402381281	NERT4.64N1-80.0-20190404	04/04/19	E300.1	14866-68-3	Chlorate	0.20	J	0.023	0.23	mg/kg	J	sp	<PQL			
4402381281	NERT4.64N1-80.0-20190404	04/04/19	E314.0	14797-73-0	Perchlorate	0.34	F1	0.0032	0.012	mg/kg	J-	m	MS/MSD %R	59,59	80-120	%
4402381281	NERT4.64N1-90.0-20190404	04/04/19	E314.0	14797-73-0	Perchlorate		U	0.0032	0.012	mg/kg	UJ	m	MS/MSD %R	59,59	80-120	%
4402381281	NERT4.71N1-10.0-20190404	04/04/19	E300.1	14866-68-3	Chlorate	0.16	J	0.021	0.21	mg/kg	J	sp	<PQL			
4402381281	NERT4.71N1-10.0-20190404	04/04/19	E314.0	14797-73-0	Perchlorate	0.18		0.0029	0.010	mg/kg	J-	m	MS/MSD %R	59,59	80-120	%
4402381281	NERT4.71N1-30.0-20190404	04/04/19	E314.0	14797-73-0	Perchlorate		U	0.0029	0.010	mg/kg	UJ	m	MS/MSD %R	59,59	80-120	%
4402381281	NERT4.71N1-40.0-20190404	04/04/19	E314.0	14797-73-0	Perchlorate	0.033		0.0032	0.011	mg/kg	J-	m	MS/MSD %R	59,59	80-120	%
4402381281	NERT4.71N1-50.0-20190404	04/04/19	E314.0	14797-73-0	Perchlorate	0.032		0.0032	0.011	mg/kg	J-	m	MS/MSD %R	59,59	80-120	%
4402381281	NERT4.71N1-60.0-20190404	04/04/19	E314.0	14797-73-0	Perchlorate	0.47		0.0031	0.011	mg/kg	J-	m	MS/MSD %R	59,59	80-120	%
4402381281	NERT4.71N1-60.0-20190404-FD	04/04/19	E314.0	14797-73-0	Perchlorate	0.56		0.0035	0.012	mg/kg	J-	m	MS/MSD %R	59,59	80-120	%
4402381281	NERT4.71N1-70.0-20190404	04/04/19	E314.0	14797-73-0	Perchlorate	0.14		0.0033	0.012	mg/kg	J-	m	MS/MSD %R	59,59	80-120	%
4402381281	NERT4.71N1-80.0-20190404	04/04/19	E314.0	14797-73-0	Perchlorate	0.064		0.0034	0.012	mg/kg	J-	m	MS/MSD %R	59,59	80-120	%
4402381281	NERT4.71N1-90.0-20190404	04/04/19	E314.0	14797-73-0	Perchlorate	0.046		0.0031	0.011	mg/kg	J-	m	MS/MSD %R	59,59	80-120	%
4402385001	NERT3.60N1-30.0-20190408	04/08/19	E300.1	14866-68-3	Chlorate	0.15	J	0.026	0.26	mg/kg	J	sp	<PQL			
4402385001	NERT3.60N1-40.0-20190409	04/09/19	E300.1	14866-68-3	Chlorate	0.20	J	0.023	0.23	mg/kg	J	sp	<PQL			
4402385001	NERT3.60N1-70.0-20190409	04/09/19	E300.1	14866-68-3	Chlorate	0.14	J	0.025	0.25	mg/kg	J	sp	<PQL			
4402387881	NERT4.70N1-60.0-20190411	04/11/19	E300.1	14866-68-3	Chlorate	0.055	J	0.024	0.24	mg/kg	J	sp	<PQL			
4402387881	NERT4.70N1-60.0-20190411-FD	04/11/19	E300.1	14866-68-3	Chlorate	0.051	J	0.024	0.24	mg/kg	J	sp	<PQL			
4402393191	NERT3.40S1-10.0-20190416	04/16/19	E300.1	14866-68-3	Chlorate	0.16	J	0.025	0.25	mg/kg	J	sp	<PQL			
4402393191	NERT3.40S1-10.0-20190416	04/16/19	SW6010	7440-47-3	Chromium (total)	14		0.61	1.2	mg/kg	J+	m	MS/MSD %R	140,154	75-125	%
4402393191	NERT3.40S1-20.0-20190416	04/16/19	SW6010	7440-47-3	Chromium (total)	9.8		0.52	1.0	mg/kg	J+	m	MS/MSD %R	140,154	75-125	%
4402393191	NERT3.40S1-30.0-20190416	04/16/19	SW6010	7440-47-3	Chromium (total)	9.5		0.52	1.0	mg/kg	J+	m	MS/MSD %R	140,154	75-125	%
4402393191	NERT3.40S1-40.0-20190416	04/16/19	E300.1	14866-68-3	Chlorate	0.20	J	0.021	0.21	mg/kg	J	sp	<PQL			
4402393191	NERT3.40S1-40.0-20190416	04/16/19	SW6010	7440-47-3	Chromium (total)	7.8		0.52	1.0	mg/kg	J+	m	MS/MSD %R	140,154	75-125	%
4402393191	NERT3.40S1-40.0-20190416-FD	04/16/19	E300.1	14866-68-3	Chlorate	0.20	J	0.021	0.21	mg/kg	J	sp	<PQL			
4402393191	NERT3.40S1-40.0-20190416-FD	04/16/19	SW6010	7440-47-3	Chromium (total)	9.0		0.52	1.0	mg/kg	J+	m	MS/MSD %R	140,154	75-125	%
4402393191	NERT3.40S1-50.0-20190416	04/16/19	SW6010	7440-47-3	Chromium (total)	5.6		0.53	1.1	mg/kg	J+	m	MS/MSD %R	140,154	75-125	%
4402393191	NERT3.40S1-60.0-20190416	04/16/19	SW6010	7440-47-3	Chromium (total)	5.8		0.53	1.1	mg/kg	J+	m	MS/MSD %R	140,154	75-125	%
4402393191	NERT3.63S1-10.0-20190417	04/17/19	SW6010	7440-47-3	Chromium (total)	10		1.1	2.2	mg/kg	J+	m	MS/MSD %R	140,154	75-125	%
4402393191	NERT3.63S1-20.0-20190417	04/17/19	SW6010	7440-47-3	Chromium (total)	15		0.56	1.1	mg/kg	J+	m	MS/MSD %R	140,154	75-125	%
4402393191	NERT3.63S1-30.0-20190417	04/17/19	SW6010	7440-47-3	Chromium (total)	20		0.68	1.4	mg/kg	J+	m	MS/MSD %R	140,154	75-125	%
4402393191	NERT3.63S1-40.0-20190417	04/17/19	SW6010	7440-47-3	Chromium (total)	15		0.66	1.3	mg/kg	J+	m	MS/MSD %R	140,154	75-125	%
4402393191	NERT3.63S1-40.0-20190417-FD	04/17/19	SW6010	7440-47-3	Chromium (total)	13		0.67	1.3	mg/kg	J+	m	MS/MSD %R	140,154	75-125	%
4402393191	NERT3.63S1-50.0-20190417	04/17/19	SW6010	7440-47-3	Chromium (total)	21	F1	0.60	1.2	mg/kg	J+	m	MS/MSD %R	140,154	75-125	%
4402408211	ESB-24-10.0-20190506	05/06/19	E300.1	14866-68-3	Chlorate	0.88		0.026	0.26	mg/kg	J-	m	MS/MSD %R	68,69	75-125	%
4402408211	ESB-24-20.0-20190506	05/06/19	E300.1	14866-68-3	Chlorate	1.2	F1	0.026	0.26	mg/kg	J-	m	MS/MSD %R	68,69	75-125	%
4402408211	ESB-24-30.0-20190506	05/06/19	E300.1	14866-68-3	Chlorate	0.57		0.026	0.26	mg/kg	J-	m	MS/MSD %R	68,69	75-125	%
4402408211	ESB-24-30.0-20190506	05/06/19	NO2NO3_Calc	NO3/NO2-N	Nitrate Nitrite as N	1.6	J	1.4	2.0	mg/kg	J	sp	<PQL			
4402408211	ESB-24-40.0-20190506	05/06/19	E300.1	14866-68-3	Chlorate	0.78		0.027	0.27	mg/kg	J-	m	MS/MSD %R	68,69	75-125	%
4402408211	ESB-24-50.0-20190506	05/06/19	E300.1	14866-68-3	Chlorate	0.99		0.028	0.28	mg/kg	J-	m	MS/MSD %R	68,69	75-125	%
4402408211	ESB-24-60.0-20190506	05/06/19	E300.1	14866-68-3	Chlorate	1.1		0.026	0.26	mg/kg	J-	m	MS/MSD %R	68,69	75-125	%
4402408211	ESB-24-60.0-20190506	05/06/19	NO2NO3_Calc	NO3/NO2-N	Nitrate Nitrite as N	1.7	J	1.4	1.9	mg/kg	J	sp	<PQL			
4402408211	ESB-24-70.0-20190506	05/06/19	E300.1	14866-68-3	Chlorate		U	0.027	0.27	mg/kg	UJ	m	MS/MSD %R	68,69	75-125	%
4402408211	ESB-24-80.0-20190506	05/06/19	E300.1	14866-68-3	Chlorate		U	0.026	0.26	mg/kg	UJ	m	MS/MSD %R	68,69	75-125	%
4402408211	ESB-24-90.0-20190506	05/06/19	E300.1	14866-68-3	Chlorate		U	0.026	0.26	mg/kg	UJ	m	MS/MSD %R	68,69	75-125	%
4402408211	ESB-24-100.0-20190506	05/06/19	E300.1	14866-68-3	Chlorate	0.071	J	0.029	0.29	mg/kg	J-	m,sp	MS/MSD %R; <PQL	68,69	75-125	%
4402408211	ESB-24-100.0-20190506	05/06/19	SW6010	7440-47-3	Chromium (total)	1.3	J	0.73	1.5	mg/kg	J	sp	<PQL			
4402408211	ESB-24-100.0-20190506-FD	05/06/19	E300.1	14866-68-3	Chlorate	0.051	J	0.026	0.26	mg/kg	J-	m,sp	MS/MSD %R; <PQL	68,69	75-125	%
4402409381	ESB-26-10.0-20190508	05/08/19	E300	14797-55-8_NO3	Nitrate as NO3	4.8	J	3.9	5.6	mg/kg	J	sp	<PQL			
4402409381	ESB-26-10.0-20190508	05/08/19	E300.1	14866-68-3	Chlorate	0.065	J	0.022	0.22	mg/kg	J	sp	<PQL			
4402409381	ESB-26-20.0-20190508	05/08/19	E300	14797-55-8_NO3	Nitrate as NO3	4.3	J	3.9	5.6	mg/kg	J	sp	<PQL			
4402409381	ESB-26-60.0-20190508	05/08/19	E300.1	14866-68-3	Chlorate	0.32	J	0.035	0.35	mg/kg	J	sp	<PQL			
4402409381	ESB-26-60.0-20190508	05/08/19	NO2NO3_Calc	NO3/NO2-N	Nitrate Nitrite as N	2.4	J	1.9	2.6	mg/kg	J	sp	<PQL			
4402409381	ESB-26-70.0-20190508	05/08/19	E300.1	14866-68-3	Chlorate	0.081	J	0.039	0.39	mg/kg	J	sp	<PQL			
4402409381	ESB-26-70.0-20190508	05/08/19	NO2NO3_Calc	NO3/NO2-N	Nitrate Nitrite as N	2.3	J	2.2	3.0	mg/kg	J	sp	<PQL			
4402409381	ESB-26-80.0-20190508	05/08/19	E300	14797-55-8_NO3	Nitrate as NO3	7.9	J	6.1	8.7	mg/kg	J	sp	<PQL			
4402409381	ESB-26-80.0-20190508-FD	05/08/19	E300	14797-55-8_NO3	Nitrate as NO3	8.2	J	6.8	9.7	mg/kg	J	sp	<PQL			

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator	Qualification Finding	Acceptance Criteria	
4402409381	ESB-26-90.0-20190508	05/08/19	NO2NO3_Calc	NO3/NO2-N	Nitrate Nitrite as N	2.2	J	2.0	2.8	mg/kg	J	sp	<PQL			
4402409381	ESB-26-100.0-20190508	05/08/19	E300	14797-55-8_NO3	Nitrate as NO3	6.1	J	5.4	7.7	mg/kg	J	sp	<PQL			
4402409381	ESB-26-120.0-20190508	05/08/19	E300	14797-55-8_NO3	Nitrate as NO3	4.8	J	4.6	6.6	mg/kg	J	sp	<PQL			
4402409641	ESB-24-110.0-20190506	05/06/19	E300	14797-65-0_N	Nitrite as N		UF1	1.6	2.2	mg/kg	UJ	m	MS/MSD %R	75,-	80-120	%
4402409641	ESB-24-110.0-20190506	05/06/19	E300	14797-55-8_NO3	Nitrate as NO3		UF1	5.2	7.5	mg/kg	UJ	m	MS/MSD %R	70,-	80-120	%
4402409641	ESB-24-110.0-20190506	05/06/19	NO2NO3_Calc	NO3/NO2-N	Nitrate Nitrite as N		U	1.6	2.2	mg/kg	UJ	m	MS/MSD %R	75,-	80-120	%
4402409641	ESB-24-120.0-20190506	05/06/19	E300	14797-65-0_N	Nitrite as N		U	1.4	2.0	mg/kg	UJ	m	MS/MSD %R	75,-	80-120	%
4402409641	ESB-24-120.0-20190506	05/06/19	NO2NO3_Calc	NO3/NO2-N	Nitrate Nitrite as N	1.9	J	1.4	2.0	mg/kg	J-	m,sp	MS/MSD %R; <PQL	75,-	80-120	%
4402409641	ESB-24-130.0-20190506	05/06/19	E300	14797-65-0_N	Nitrite as N		U	1.5	2.0	mg/kg	UJ	m	MS/MSD %R	75,-	80-120	%
4402409641	ESB-24-130.0-20190506	05/06/19	NO2NO3_Calc	NO3/NO2-N	Nitrate Nitrite as N	2.1		1.5	2.0	mg/kg	J-	m	MS/MSD %R	75,-	80-120	%
4402409641	ESB-24-140.0-20190507	05/07/19	E300	14797-65-0_N	Nitrite as N		U	1.4	2.0	mg/kg	UJ	m	MS/MSD %R	75,-	80-120	%
4402409641	ESB-24-140.0-20190507	05/07/19	E300.1	14866-68-3	Chlorate	0.038	J	0.026	0.26	mg/kg	J	sp	<PQL			
4402409641	ESB-24-140.0-20190507	05/07/19	NO2NO3_Calc	NO3/NO2-N	Nitrate Nitrite as N		U	1.4	2.0	mg/kg	UJ	m	MS/MSD %R	75,-	80-120	%
4402409641	ESB-24-150.0-20190507	05/07/19	E300	14797-65-0_N	Nitrite as N		U	1.4	2.0	mg/kg	UJ	m	MS/MSD %R	75,-	80-120	%
4402409641	ESB-24-150.0-20190507	05/07/19	E300.1	14866-68-3	Chlorate	0.039	J	0.027	0.27	mg/kg	J	sp	<PQL			
4402409641	ESB-24-150.0-20190507	05/07/19	NO2NO3_Calc	NO3/NO2-N	Nitrate Nitrite as N		U	1.4	2.0	mg/kg	UJ	m	MS/MSD %R	75,-	80-120	%
4402409641	ESB-24-160.0-20190507	05/07/19	E300	14797-65-0_N	Nitrite as N		U	1.4	1.9	mg/kg	UJ	m	MS/MSD %R	75,-	80-120	%
4402409641	ESB-24-160.0-20190507	05/07/19	NO2NO3_Calc	NO3/NO2-N	Nitrate Nitrite as N		U	1.4	1.9	mg/kg	UJ	m	MS/MSD %R	75,-	80-120	%
4402409641	ESB-24-170.0-20190507	05/07/19	E300	14797-65-0_N	Nitrite as N		U	1.7	2.3	mg/kg	UJ	m	MS/MSD %R	75,-	80-120	%
4402409641	ESB-24-170.0-20190507	05/07/19	E300	14797-55-8_NO3	Nitrate as NO3	6.1	J	5.3	7.6	mg/kg	J	sp	<PQL			
4402409641	ESB-24-170.0-20190507	05/07/19	NO2NO3_Calc	NO3/NO2-N	Nitrate Nitrite as N		U	1.7	2.3	mg/kg	UJ	m	MS/MSD %R	75,-	80-120	%
4402409641	ESB-24-180.0-20190507	05/07/19	E300	14797-65-0_N	Nitrite as N		U	1.5	2.0	mg/kg	UJ	m	MS/MSD %R	75,-	80-120	%
4402409641	ESB-24-180.0-20190507	05/07/19	E300	14797-55-8_NO3	Nitrate as NO3	4.9	J	4.7	6.8	mg/kg	J	sp	<PQL			
4402409641	ESB-24-180.0-20190507	05/07/19	E300.1	14866-68-3	Chlorate	0.19	J	0.027	0.27	mg/kg	J	sp	<PQL			
4402409641	ESB-24-180.0-20190507	05/07/19	NO2NO3_Calc	NO3/NO2-N	Nitrate Nitrite as N		U	1.5	2.0	mg/kg	UJ	m	MS/MSD %R	75,-	80-120	%
4402409641	ESB-24-190.0-20190507	05/07/19	E300	14797-65-0_N	Nitrite as N		U	1.7	2.3	mg/kg	UJ	m	MS/MSD %R	75,-	80-120	%
4402409641	ESB-24-190.0-20190507	05/07/19	E300.1	14866-68-3	Chlorate	0.30	J	0.15	1.5	mg/kg	J	sp	<PQL			
4402409641	ESB-24-190.0-20190507	05/07/19	NO2NO3_Calc	NO3/NO2-N	Nitrate Nitrite as N		U	1.7	2.3	mg/kg	UJ	m	MS/MSD %R	75,-	80-120	%
4402409641	ESB-24-190.0-20190507-FD	05/07/19	E300	14797-65-0_N	Nitrite as N		U	1.5	2.1	mg/kg	UJ	m	MS/MSD %R	75,-	80-120	%
4402409641	ESB-24-190.0-20190507-FD	05/07/19	E300.1	14866-68-3	Chlorate	0.25	J	0.14	1.4	mg/kg	J	sp	<PQL			
4402409641	ESB-24-190.0-20190507-FD	05/07/19	NO2NO3_Calc	NO3/NO2-N	Nitrate Nitrite as N		U	1.5	2.1	mg/kg	UJ	m	MS/MSD %R	75,-	80-120	%
4402409641	ESB-24-200.0-20190507	05/07/19	E300	14797-65-0_N	Nitrite as N		UF1	1.4	2.0	mg/kg	UJ	m	MS/MSD %R	75,-	80-120	%
4402409641	ESB-24-200.0-20190507	05/07/19	NO2NO3_Calc	NO3/NO2-N	Nitrate Nitrite as N		U	1.4	2.0	mg/kg	UJ	m	MS/MSD %R	75,-	80-120	%
4402409641	ESB-25-10.0-20190507	05/07/19	E300	14797-55-8_NO3	Nitrate as NO3	5.2	J	3.7	5.3	mg/kg	J	sp	<PQL			
4402409641	ESB-25-10.0-20190507	05/07/19	E300	14797-65-0_N	Nitrite as N		U	1.2	1.6	mg/kg	UJ	m	MS/MSD %R	75,-	80-120	%
4402409641	ESB-25-10.0-20190507	05/07/19	E300.1	14866-68-3	Chlorate	0.059	J	0.021	0.21	mg/kg	J	sp	<PQL			
4402409641	ESB-25-10.0-20190507	05/07/19	NO2NO3_Calc	NO3/NO2-N	Nitrate Nitrite as N	1.2	J	1.2	1.6	mg/kg	J-	m,sp	MS/MSD %R; <PQL	75,-	80-120	%
4402409641	ESB-25-20.0-20190507	05/07/19	E300	14797-65-0_N	Nitrite as N		U	1.2	1.6	mg/kg	UJ	m	MS/MSD %R	75,-	80-120	%
4402409641	ESB-25-20.0-20190507	05/07/19	NO2NO3_Calc	NO3/NO2-N	Nitrate Nitrite as N		U	1.2	1.6	mg/kg	UJ	m	MS/MSD %R	75,-	80-120	%
4402409641	ESB-25-30.0-20190507	05/07/19	E300	14797-65-0_N	Nitrite as N		U	1.4	1.9	mg/kg	UJ	m	MS/MSD %R	75,-	80-120	%
4402409641	ESB-25-30.0-20190507	05/07/19	NO2NO3_Calc	NO3/NO2-N	Nitrate Nitrite as N	1.5	J	1.4	1.9	mg/kg	J-	m,sp	MS/MSD %R; <PQL	75,-	80-120	%
4402409641	ESB-25-40.0-20190507	05/07/19	E300	14797-65-0_N	Nitrite as N		U	1.2	1.7	mg/kg	UJ	m	MS/MSD %R	75,-	80-120	%
4402409641	ESB-25-40.0-20190507	05/07/19	NO2NO3_Calc	NO3/NO2-N	Nitrate Nitrite as N	1.3	J	1.2	1.7	mg/kg	J-	m,sp	MS/MSD %R; <PQL	75,-	80-120	%
4402409641	ESB-25-50.0-20190507	05/07/19	E300	14797-55-8_NO3	Nitrate as NO3	5.4	J	3.9	5.6	mg/kg	J	sp	<PQL			
4402409641	ESB-25-50.0-20190507	05/07/19	E300	14797-65-0_N	Nitrite as N		U	1.2	1.7	mg/kg	UJ	m	MS/MSD %R	75,-	80-120	%
4402409641	ESB-25-50.0-20190507	05/07/19	NO2NO3_Calc	NO3/NO2-N	Nitrate Nitrite as N	1.2	J	1.2	1.7	mg/kg	J-	m,sp	MS/MSD %R; <PQL	75,-	80-120	%
4402409641	ESB-25-60.0-20190507	05/07/19	E300	14797-65-0_N	Nitrite as N		U	1.2	1.6	mg/kg	UJ	m	MS/MSD %R	75,-	80-120	%
4402409641	ESB-25-60.0-20190507	05/07/19	NO2NO3_Calc	NO3/NO2-N	Nitrate Nitrite as N	1.5	J	1.2	1.6	mg/kg	J-	m,sp	MS/MSD %R; <PQL	75,-	80-120	%
4402409641	ESB-25-70.0-20190507	05/07/19	E300	14797-65-0_N	Nitrite as N		U	1.9	2.6	mg/kg	UJ	m	MS/MSD %R	75,-	80-120	%
4402409641	ESB-25-70.0-20190507	05/07/19	E300.1	14866-68-3	Chlorate	1.0		0.034	0.34	mg/kg	J	fd	FD RPD	52	50	%
4402409641	ESB-25-70.0-20190507	05/07/19	NO2NO3_Calc	NO3/NO2-N	Nitrate Nitrite as N	4.6		1.9	2.6	mg/kg	J-	m	MS/MSD %R	75,-	80-120	%
4402409641	ESB-25-70.0-20190507	05/07/19	SW6010	7440-47-3	Chromium (total)	11		0.87	1.7	mg/kg	J	fd	FD RPD	63	50	%
4402409641	ESB-25-70.0-20190507-FD	05/07/19	E300	14797-65-0_N	Nitrite as N		U	1.6	2.2	mg/kg	UJ	m	MS/MSD %R	75,-	80-120	%
4402409641	ESB-25-70.0-20190507-FD	05/07/19	E300.1	14866-68-3	Chlorate	0.59		0.030	0.30	mg/kg	J	fd	FD RPD	52	50	%
4402409641	ESB-25-70.0-20190507-FD	05/07/19	NO2NO3_Calc	NO3/NO2-N	Nitrate Nitrite as N	3.7		1.6	2.2	mg/kg	J-	m	MS/MSD %R	75,-	80-120	%
4402409641	ESB-25-70.0-20190507-FD	05/07/19	SW6010	7440-47-3	Chromium (total)	21		0.75	1.5	mg/kg	J	fd	FD RPD	63	50	%
4402409641	ESB-25-80.0-20190507	05/07/19	E300	14797-65-0_N	Nitrite as N		U	1.8	2.4	mg/kg	UJ	m	MS/MSD %R	75,-	80-120	%
4402409641	ESB-25-80.0-20190507	05/07/19	NO2NO3_Calc	NO3/NO2-N	Nitrate Nitrite as N		U	1.8	2.4	mg/kg	UJ	m	MS/MSD %R	75,-	80-120	%
4402409641	ESB-25-90.0-20190507	05/07/19	E300	14797-55-8_NO3	Nitrate as NO3	8.0	J	7.7	11	mg/kg	J	sp	<PQL			
4402412551	ESB-26-160.0-20190509	05/09/19	E300	14797-55-8_NO3	Nitrate as NO3	5.2	J	4.9	6.9	mg/kg	J	sp	<PQL			
4402412551	ESB-26-170.0-20190509	05/09/19	E300	14797-55-8_NO3	Nitrate as NO3	8.3	J	6.8	9.7	mg/kg	J	sp	<PQL			
4402412551	ESB-27-10.0-20190509	05/09/19	E300	14797-55-8_NO3	Nitrate as NO3	4.1	J	3.7	5.2	mg/kg	J	sp	<PQL			
4402412551	ESB-27-20.0-20190509	05/09/19	NO2NO3_Calc	NO3/NO2-N	Nitrate Nitrite as N	1.3	J	1.2	1.7	mg/kg	J	sp	<PQL			
4402412551	ESB-27-20.0-20190509-FD	05/09/19	E300	14797-55-8_NO3	Nitrate as NO3	5.5	J	4.0	5.7	mg/kg	J	sp	<PQL			
4402412551	ESB-27-30.0-20190509	05/09/19	E300	14797-55-8_NO3	Nitrate as NO3	5.7	J	4.0	5.8	mg/kg	J	sp	<PQL			
4402412551	ESB-27-30.0-20190509	05/09/19	NO2NO3_Calc	NO3/NO2-N	Nitrate Nitrite as N	1.3	J	1.3	1.7	mg/kg	J	sp	<PQL			

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator	Qualification Finding	Acceptance Criteria	
4402412551	ESB-27-40.0-20190509	05/09/19	E300	14797-55-8_NO3	Nitrate as NO3	4.6	J	4.0	5.7	mg/kg	J	sp	<PQL			
4402412551	ESB-27-50.0-20190509	05/09/19	E300	14797-55-8_NO3	Nitrate as NO3	4.9	J	4.0	5.8	mg/kg	J	sp	<PQL			
4402412551	ESB-27-60.0-20190509	05/09/19	E300	14797-55-8_NO3	Nitrate as NO3	4.2	J	4.0	5.7	mg/kg	J	sp	<PQL			
4402412551	ESB-27-70.0-20190509	05/09/19	E300.1	14866-68-3	Chlorate	0.14	J	0.034	0.34	mg/kg	J	sp	<PQL			
4402412551	ESB-27-70.0-20190509	05/09/19	NO2NO3_Calc	NO3/NO2-N	Nitrate Nitrite as N	2.4	J	1.9	2.5	mg/kg	J	sp	<PQL			
4402412551	ESB-27-80.0-20190509	05/09/19	E300.1	14866-68-3	Chlorate	0.056	J	0.024	0.24	mg/kg	J	sp	<PQL			
4402412551	ESB-27-90.0-20190509	05/09/19	E300	14797-55-8_NO3	Nitrate as NO3	7.0	J	5.9	8.4	mg/kg	J	sp	<PQL			
4402412551	ESB-27-100.0-20190509	05/09/19	E300	14797-55-8_NO3	Nitrate as NO3	6.5	J	5.4	7.7	mg/kg	J	sp	<PQL			
4402412551	ESB-27-120.0-20190509	05/09/19	E300	14797-55-8_NO3	Nitrate as NO3	5.6	J	5.3	7.5	mg/kg	J	sp	<PQL			
4402465581	ES-47-20190724	07/24/19	E300	24959-67-9	Bromide	900	J	500	1000	ug/l	J	sp	<PQL			
4402465581	ES-48-20190724	07/24/19	E300	24959-67-9	Bromide	580	J	500	1000	ug/l	J	sp	<PQL			
4402466561	ES-51-20190725	07/25/19	E300	7723-14-0P	Orthophosphate (total) (As P)		U	400	1600	ug/l	R	m	MS/MSD %R	0,0	80-120	%
4402468071	ES-49-20190729	07/29/19	E314.0	14797-73-0	Perchlorate	0.98	J	0.95	4.0	ug/l	J	sp	<PQL			
4402470081	ES-50-20190731	07/31/19	E300	24959-67-9	Bromide	270	J	250	500	ug/l	J	sp	<PQL			
4402470081	ES-50-20190731	07/31/19	E314.0	14797-73-0	Perchlorate	2.8	J	0.95	4.0	ug/l	J	sp	<PQL			
4402470741	PC-198-20190801	08/01/19	E200.7	7429-90-5	Aluminum		UF1F2	0.050	0.10	mg/l	UJ	ld	MD/MSD RPD	25	20	%
4402470741	PC-198-20190801	08/01/19	E218.6	18540-29-9	Chromium VI	0.80	J	0.25	1.0	ug/l	J	sp	<PQL			
4402470741	PC-198-20190801	08/01/19	E300	7723-14-0P	Orthophosphate (total) (As P)	1100	JF1	400	1600	ug/l	J+	m,sp	MS/MSD %R; <PQL	195,201	80-120	%
4402470741	PC-198-20190801	08/01/19	E300	14797-55-8_NO3	Nitrate as NO3	6.3	F1	2.5	5.0	mg/l	J+	m	MS/MSD %R	-,123	80-120	%
4402470741	PC-198-20190801	08/01/19	SM5310_DOC_B	7440-44-0	CARBON	830	J	650	1000	ug/l	J	sp	<PQL			
4402470741	PC-198-20190801	08/01/19	SW8260	100-42-5	Styrene		UF1	0.25	0.50	ug/l	R	m	MS/MSD %R	0,0	29-150	%
4402471891	PC-199-20190802	08/02/19	E200.7	7429-90-5	Aluminum		U	0.25	0.50	mg/l	UJ	ld	MS/MSD RPD	25	20	%
4402471891	PC-199-20190802	08/02/19	E218.6	18540-29-9	Chromium VI		UHH3	0.25	1.0	ug/l	UJ	h	Holding time	32.6	24	hours
4402471891	PC-199-20190802	08/02/19	E300	7723-14-0P	Orthophosphate (total) (As P)	6200	JF1	4000	16000	ug/l	J+	m,sp	MS/MSD %R; <PQL	179,188	809-120	%
4402499391	PC-198-20190911	09/11/19	E200.7	7440-62-2	Vanadium	0.0082	J	0.0050	0.010	mg/l	J	sp	<PQL			
4402499391	PC-198-20190911	09/11/19	E218.6	18540-29-9	Chromium VI	0.49	J	0.25	1.0	ug/l	J	sp	<PQL			
4402499391	PC-198-20190911	09/11/19	SM3500	7439-89-6-FE2	Iron, Ferrous		UHF	0.10	0.10	mg/l	UJ	h	Holding time	149.38	48	hours
4402499391	PC-198-20190911	09/11/19	SW9040C	C-006	pH	7.9	HF	0.1	0.1	SU	J	h	Holding time	126.2	48	hours
4402499391	PC-198-20190911-TB	09/11/19	SW8260	75-09-2	Methylene Chloride	1.8	J	0.88	2.0	ug/l	J	sp	<PQL			
4402499391	PC-199-20190911	09/11/19	E200.7	7439-89-6	Iron	0.31	J	0.25	0.50	mg/l	J	sp	<PQL			
4402499391	PC-199-20190911	09/11/19	SM3500	7439-89-6-FE2	Iron, Ferrous		UHF	0.10	0.10	mg/l	UJ	h	Holding time	148.55	48	hours
4402499391	PC-199-20190911	09/11/19	SW8260	75-09-2	Methylene Chloride	1.5	J	0.88	2.0	ug/l	J	sp	<PQL			
4402499391	PC-199-20190911	09/11/19	SW9040C	C-006	pH	7.7	HF	0.1	0.1	SU	J	h	Holding time	125.37	48	hours
4402499401	ES-45-20190911	09/11/19	SW9040C	C-006	pH	7.9	HF	0.1	0.1	SU	J	h	Holding time	124.03	48	hours
4402499401	ES-47-20190911	09/11/19	SW9040C	C-006	pH	7.8	HF	0.1	0.1	SU	J	h	Holding time	122.28	48	hours
4402499401	ES-48-20190911	09/11/19	SW9040C	C-006	pH	7.8	HF	0.1	0.1	SU	J	h	Holding time	121.62	48	hours
4402500471	ES-50-20190912	09/12/19	E300	24959-67-9	Bromide	260	J	250	500	ug/l	J	sp	<PQL			
4402500471	ES-50-20190912	09/12/19	E300	14797-65-0_N	Nitrite as N	43	J	25	150	ug/l	J	sp	<PQL			
4402500471	ES-50-20190912	09/12/19	SW9040C	C-006	pH	8.1	HF	0.1	0.1	SU	J	h	Holding time	101.43	48	hours
4402500471	ES-50-20190912-FD	09/12/19	E300	14797-65-0_N	Nitrite as N	42	J	25	150	ug/l	J	sp	<PQL			
4402500471	ES-50-20190912-FD	09/12/19	E300	24959-67-9	Bromide	270	J	250	500	ug/l	J	sp	<PQL			
4402500471	ES-50-20190912-FD	09/12/19	SW9040C	C-006	pH	8.2	HF	0.1	0.1	SU	J	h	Holding time	101.33	48	hours
4402500471	ES-51-20190912	09/12/19	E300	24959-67-9	Bromide	630	J	500	1000	ug/l	J	sp	<PQL			
4402500471	ES-51-20190912	09/12/19	E314.0	14797-73-0	Perchlorate	40	F1	0.95	4.0	ug/l	J+	m	MS/MSD %R	130,126	80-120	%
4402500471	ES-51-20190912	09/12/19	SW9040C	C-006	pH	7.9	HF	0.1	0.1	SU	J	h	Holding time	99.27	48	hours
4402500471	ES-52-20190912	09/12/19	E300	24959-67-9	Bromide	560	J	500	1000	ug/l	J	sp	<PQL			
4402500471	ES-52-20190912	09/12/19	E300	7723-14-0P	Orthophosphate (total) (As P)	84	J	80	320	ug/l	J	sp	<PQL			
4402500471	ES-52-20190912	09/12/19	SW9040C	C-006	pH	7.9	HF	0.1	0.1	SU	J	h	Holding time	97.97	48	hours
4402545421	RISG-10-5.0-20191105	11/05/19	TO15	56-23-5	Carbon Tetrachloride	12	J	6.2	59	ug/m3	J	sp	<PQL			
4402545421	RISG-10-5.0-20191105	11/05/19	TO15	127-18-4	Tetrachloroethene	15	J	6.8	64	ug/m3	J	sp	<PQL			
4402545421	RISG-10-5.0-20191105	11/05/19	TO15	64-17-5	Ethanol		UJ	45	71	ug/m3	UJ	c	CCV %D	31.22723	30	%
4402545421	RISG-10-5.0-20191105	11/05/19	TO15	75-34-3	1,1-Dichloroethane	14	J	6.8	38	ug/m3	J	sp	<PQL			
4402545421	RISG-10-5.0-20191105	11/05/19	TO15VOL	56-23-5	Carbon Tetrachloride	1.9	J	0.98	9.4	ppbv	J	sp	<PQL			
4402545421	RISG-10-5.0-20191105	11/05/19	TO15VOL	127-18-4	Tetrachloroethene	2.2	J	1	9.4	ppbv	J	sp	<PQL			
4402545421	RISG-10-5.0-20191105	11/05/19	TO15VOL	64-17-5	Ethanol		UJ	24	38	ppbv	UJ	c	CCV %D	31.22723	30	%
4402545421	RISG-10-5.0-20191105	11/05/19	TO15VOL	75-34-3	1,1-Dichloroethane	3.4	J	1.7	9.4	ppbv	J	sp	<PQL			
4402545421	RISG-10-15.0-20191105	11/05/19	TO15	56-23-5	Carbon Tetrachloride	29	J	20	200	ug/m3	J	sp	<PQL			
4402545421	RISG-10-15.0-20191105	11/05/19	TO15	107-06-2	1,2-Dichloroethane	38	J	23	130	ug/m3	J	sp	<PQL			
4402545421	RISG-10-15.0-20191105	11/05/19	TO15	75-34-3	1,1-Dichloroethane	100	J	22	130	ug/m3	J	sp	<PQL			
4402545421	RISG-10-15.0-20191105	11/05/19	TO15	64-17-5	Ethanol		UJ	150	240	ug/m3	UJ	c	CCV %D	31.22723	30	%
4402545421	RISG-10-15.0-20191105	11/05/19	TO15	127-18-4	Tetrachloroethene	110	J	22	210	ug/m3	J	sp	<PQL			
4402545421	RISG-10-15.0-20191105	11/05/19	TO15VOL	64-17-5	Ethanol		UJ	78	120	ppbv	UJ	c	CCV %D	31.22723	30	%
4402545421	RISG-10-15.0-20191105	11/05/19	TO15VOL	127-18-4	Tetrachloroethene	16	J	3.3	31	ppbv	J	sp	<PQL			
4402545421	RISG-10-15.0-20191105	11/05/19	TO15VOL	107-06-2	1,2-Dichloroethane	9.5	J	5.7	31	ppbv	J	sp	<PQL			
4402545421	RISG-10-15.0-20191105	11/05/19	TO15VOL	56-23-5	Carbon Tetrachloride	4.6	J	3.2	31	ppbv	J	sp	<PQL			
4402545421	RISG-10-15.0-20191105	11/05/19	TO15VOL	75-34-3	1,1-Dichloroethane	26	J	5.6	31	ppbv	J	sp	<PQL			

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator	Qualification Finding	Acceptance Criteria	
4402545421	RISG-11-5.0-20191105	11/05/19	TO15	64-17-5	Ethanol		UJ	44	70	ug/m3	UJ	c	CCV %D	31.22723	30	%
4402545421	RISG-11-5.0-20191105	11/05/19	TO15	127-18-4	Tetrachloroethene	59	J	6.7	63	ug/m3	J	sp	<PQL			
4402545421	RISG-11-5.0-20191105	11/05/19	TO15	541-73-1	1,3-Dichlorobenzene	7.6	J	7.3	56	ug/m3	J	sp	<PQL			
4402545421	RISG-11-5.0-20191105	11/05/19	TO15VOL	541-73-1	1,3-Dichlorobenzene	1.3	J	1.2	9.4	ppbv	J	sp	<PQL			
4402545421	RISG-11-5.0-20191105	11/05/19	TO15VOL	127-18-4	Tetrachloroethene	8.8	J	0.99	9.4	ppbv	J	sp	<PQL			
4402545421	RISG-11-5.0-20191105	11/05/19	TO15VOL	64-17-5	Ethanol		UJ	23	37	ppbv	UJ	c	CCV %D	31.22723	30	%
4402545421	RISG-11-15.0-20191105	11/05/19	TO15	110-82-7	Cyclohexane	18	J	3.6	31	ug/m3	J	sp	<PQL			
4402545421	RISG-11-15.0-20191105	11/05/19	TO15	107-06-2	1,2-Dichloroethane	7.6	J	6.6	36	ug/m3	J	sp	<PQL			
4402545421	RISG-11-15.0-20191105	11/05/19	TO15	541-73-1	1,3-Dichlorobenzene	9.2	J	7	54	ug/m3	J	sp	<PQL			
4402545421	RISG-11-15.0-20191105	11/05/19	TO15	64-17-5	Ethanol		UJ	42	67	ug/m3	UJ	c	CCV %D	31.22723	30	%
4402545421	RISG-11-15.0-20191105	11/05/19	TO15VOL	541-73-1	1,3-Dichlorobenzene	1.5	J	1.2	8.9	ppbv	J	sp	<PQL			
4402545421	RISG-11-15.0-20191105	11/05/19	TO15VOL	107-06-2	1,2-Dichloroethane	1.9	J	1.6	8.9	ppbv	J	sp	<PQL			
4402545421	RISG-11-15.0-20191105	11/05/19	TO15VOL	110-82-7	Cyclohexane	5.1	J	1	8.9	ppbv	J	sp	<PQL			
4402545421	RISG-11-15.0-20191105	11/05/19	TO15VOL	64-17-5	Ethanol		UJ	22	36	ppbv	UJ	c	CCV %D	31.22723	30	%
4402545421	RISG-12-5.0-20191107	11/07/19	TO15	64-17-5	Ethanol		UJ	39	62	ug/m3	UJ	c	CCV %D	31.22723	30	%
4402545421	RISG-12-5.0-20191107	11/07/19	TO15VOL	64-17-5	Ethanol		UJ	20	33	ppbv	UJ	c	CCV %D	31.22723	30	%
4402545421	RISG-12-15.0-20191106	11/06/19	TO15	64-17-5	Ethanol		UJ	58	92	ug/m3	UJ	c	CCV %D	31.22723	30	%
4402545421	RISG-12-15.0-20191106	11/06/19	TO15VOL	64-17-5	Ethanol		UJ	31	49	ppbv	UJ	c	CCV %D	31.22723	30	%
4402545421	RISG-13-5.0-20191107	11/07/19	TO15	100-44-7	Benzyl chloride		UJ	4.2	8.8	ug/m3	UJ	c	CCV %D	33.54623	30	%
4402545421	RISG-13-5.0-20191107	11/07/19	TO15	541-73-1	1,3-Dichlorobenzene		UJ	5.9	10	ug/m3	UJ	c	CCV %D	31.67755	30	%
4402545421	RISG-13-5.0-20191107	11/07/19	TO15	591-78-6	2-Hexanone		U	3	35	ug/m3	UJ	c	ICAL %RSD	35.896	30	%
4402545421	RISG-13-5.0-20191107	11/07/19	TO15	95-50-1	1,2-Dichlorobenzene		UJ	6.9	10	ug/m3	UJ	c	CCV %D	30.53607	30	%
4402545421	RISG-13-5.0-20191107	11/07/19	TO15	87-68-3	Hexachlorobutadiene		U	14	91	ug/m3	UJ	c,l	ICV %D; LCS/LCSD %R	35.52; 60,-	30; 70-130	%; %
4402545421	RISG-13-5.0-20191107	11/07/19	TO15	120-82-1	1,2,4-Trichlorobenzene		U	11	63	ug/m3	UJ	l	LCS/LCSD %R	60,-	70-130	%
4402545421	RISG-13-5.0-20191107	11/07/19	TO15SIM	106-46-7	1,4-Dichlorobenzene		UJ	1.4	2.0	ug/m3	UJ	c,l	ICV %D; CCV %D; LCS/LCSD %R	32.83; 38.82477; 66,65	30; 70-130	%
4402545421	RISG-13-5.0-20191107	11/07/19	TO15SIM	71-43-2	Benzene	0.52	J	0.44	2.7	ug/m3	J	sp	<PQL			
4402545421	RISG-13-5.0-20191107	11/07/19	TO15SIM	75-34-3	1,1-Dichloroethane	0.67	J	0.23	1.4	ug/m3	J	sp	<PQL			
4402545421	RISG-13-5.0-20191107	11/07/19	TO15SIMVOL	71-43-2	Benzene	0.16	J	0.14	0.85	ppbv	J	sp	<PQL			
4402545421	RISG-13-5.0-20191107	11/07/19	TO15SIMVOL	75-34-3	1,1-Dichloroethane	0.17	J	0.057	0.34	ppbv	J	sp	<PQL			
4402545421	RISG-13-5.0-20191107	11/07/19	TO15SIMVOL	106-46-7	1,4-Dichlorobenzene		UJ	0.23	0.34	ppbv	UJ	c,l	ICV %D; CCV %D; LCS/LCSD %R	32.83; 38.82477; 66,65	30; 70-130	%
4402545421	RISG-13-5.0-20191107	11/07/19	TO15VOL	100-44-7	Benzyl chloride		UJ	0.8	1.7	ppbv	UJ	c	CCV %D	33.54623	30	%
4402545421	RISG-13-5.0-20191107	11/07/19	TO15VOL	541-73-1	1,3-Dichlorobenzene		UJ	0.98	1.7	ppbv	UJ	c	CCV %D	31.67755	30	%
4402545421	RISG-13-5.0-20191107	11/07/19	TO15VOL	591-78-6	2-Hexanone		U	0.72	8.5	ppbv	UJ	c	ICAL %RSD	35.896	30	%
4402545421	RISG-13-5.0-20191107	11/07/19	TO15VOL	95-50-1	1,2-Dichlorobenzene		UJ	1.1	1.7	ppbv	UJ	c	CCV %D	30.53607	30	%
4402545421	RISG-13-5.0-20191107	11/07/19	TO15VOL	87-68-3	Hexachlorobutadiene		U	1.3	8.5	ppbv	UJ	c,l	ICV %D; LCS/LCSD %R	35.52; 60,-	30; 70-130	%; %
4402545421	RISG-13-5.0-20191107	11/07/19	TO15VOL	120-82-1	1,2,4-Trichlorobenzene		U	1.5	8.5	ppbv	UJ	l	LCS/LCSD %R	60,-	70-130	%
4402545421	RISG-13-15.0-20191107	11/07/19	TO15	56-23-5	Carbon Tetrachloride	23	J	5.8	57	ug/m3	J	sp	<PQL			
4402545421	RISG-13-15.0-20191107	11/07/19	TO15	127-18-4	Tetrachloroethene	45	J	9	61	ug/m3	J	sp	<PQL			
4402545421	RISG-13-15.0-20191107	11/07/19	TO15	74-87-3	Chloromethane		UJ	14	190	ug/m3	UJ	c	CCV %D	31.92691	30	%
4402545421	RISG-13-15.0-20191107	11/07/19	TO15	64-17-5	Ethanol		U	14	68	ug/m3	UJ	l	LCS/LCSD %R	56,59	70-130	%
4402545421	RISG-13-15.0-20191107	11/07/19	TO15	96-12-8	1,2-Dibromo-3-chloropropane		U	16	350	ug/m3	UJ	c	ICAL %RSD	31.072	30	%
4402545421	RISG-13-15.0-20191107	11/07/19	TO15	75-27-4	Bromodichloromethane	12	J	5.8	61	ug/m3	J	sp	<PQL			
4402545421	RISG-13-15.0-20191107	11/07/19	TO15	91-20-3	Naphthalene		U	6.6	95	ug/m3	UJ	l	LCS/LCSD %R	67,68	70-130	%
4402545421	RISG-13-15.0-20191107	11/07/19	TO15	124-48-1	Dibromochloromethane	11	J	4.9	77	ug/m3	J	sp	<PQL			
4402545421	RISG-13-15.0-20191107	11/07/19	TO15VOL	75-27-4	Bromodichloromethane	1.8	J	0.87	9.0	ppbv	J	sp	<PQL			
4402545421	RISG-13-15.0-20191107	11/07/19	TO15VOL	91-20-3	Naphthalene		U	1.3	18	ppbv	UJ	l	LCS/LCSD %R	67,68	70-130	%
4402545421	RISG-13-15.0-20191107	11/07/19	TO15VOL	96-12-8	1,2-Dibromo-3-chloropropane		U	1.7	36	ppbv	UJ	c	ICAL %RSD	31.072	30	%
4402545421	RISG-13-15.0-20191107	11/07/19	TO15VOL	56-23-5	Carbon Tetrachloride	3.6	J	0.92	9.0	ppbv	J	sp	<PQL			
4402545421	RISG-13-15.0-20191107	11/07/19	TO15VOL	124-48-1	Dibromochloromethane	1.3	J	0.58	9.0	ppbv	J	sp	<PQL			
4402545421	RISG-13-15.0-20191107	11/07/19	TO15VOL	127-18-4	Tetrachloroethene	6.6	J	1.3	9.0	ppbv	J	sp	<PQL			
4402545421	RISG-13-15.0-20191107	11/07/19	TO15VOL	64-17-5	Ethanol		U	7.4	36	ppbv	UJ	l	LCS/LCSD %R	56,59	70-130	%
4402545421	RISG-13-15.0-20191107	11/07/19	TO15VOL	74-87-3	Chloromethane		UJ	6.8	90	ppbv	UJ	c	CCV %D	31.92691	30	%
4402545421	RISG-14-5.0-20191106	11/06/19	TO15	64-17-5	Ethanol		UJ	54	86	ug/m3	UJ	c	CCV %D	31.22723	30	%
4402545421	RISG-14-5.0-20191106	11/06/19	TO15	79-01-6	Trichloroethene	26	J	6.9	62	ug/m3	J	sp	<PQL			
4402545421	RISG-14-5.0-20191106	11/06/19	TO15	75-35-4	1,1-Dichloroethene	16	J	7.2	45	ug/m3	J	sp	<PQL			
4402545421	RISG-14-5.0-20191106	11/06/19	TO15	75-27-4	Bromodichloromethane	24	J	7.7	77	ug/m3	J	sp	<PQL			
4402545421	RISG-14-5.0-20191106	11/06/19	TO15	124-48-1	Dibromochloromethane	13	J	7.7	98	ug/m3	J	sp	<PQL			
4402545421	RISG-14-5.0-20191106	11/06/19	TO15	71-43-2	Benzene	7.4	J	4.6	36	ug/m3	J	sp	<PQL			
4402545421	RISG-14-5.0-20191106	11/06/19	TO15VOL	71-43-2	Benzene	2.3	J	1.4	11	ppbv	J	sp	<PQL			
4402545421	RISG-14-5.0-20191106	11/06/19	TO15VOL	75-35-4	1,1-Dichloroethene	4.1	J	1.8	11	ppbv	J	sp	<PQL			
4402545421	RISG-14-5.0-20191106	11/06/19	TO15VOL	75-27-4	Bromodichloromethane	3.6	J	1.1	11	ppbv	J	sp	<PQL			
4402545421	RISG-14-5.0-20191106	11/06/19	TO15VOL	124-48-1	Dibromochloromethane	1.5	J	0.9	11	ppbv	J	sp	<PQL			
4402545421	RISG-14-5.0-20191106	11/06/19	TO15VOL	64-17-5	Ethanol		UJ	29	46	ppbv	UJ	c	CCV %D	31.22723	30	%
4402545421	RISG-14-5.0-20191106	11/06/19	TO15VOL	79-01-6	Trichloroethene	4.8	J	1.3	11	ppbv	J	sp	<PQL			
4402545421	RISG-14-15.0-20191106	11/06/19	TO15	75-27-4	Bromodichloromethane	59	J	19	190	ug/m3	J	sp	<PQL			
4402545421	RISG-14-15.0-20191106	11/06/19	TO15	124-48-1	Dibromochloromethane	69	J	19	240	ug/m3	J	sp	<PQL			

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator	Qualification Finding	Acceptance Criteria	
4402545421	RISG-14-15.0-20191106	11/06/19	TO15	64-17-5	Ethanol		UJ	130	210	ug/m3	UJ	c	CCV %D	31.22723	30	%
4402545421	RISG-14-15.0-20191106	11/06/19	TO15	67-64-1	Acetone	150	J	78	270	ug/m3	J	sp	<PQL			
4402545421	RISG-14-15.0-20191106	11/06/19	TO15	75-25-2	Bromoform	55	J	22	290	ug/m3	J	sp	<PQL			
4402545421	RISG-14-15.0-20191106	11/06/19	TO15	79-01-6	Trichloroethene	67	J	17	150	ug/m3	J	sp	<PQL			
4402545421	RISG-14-15.0-20191106	11/06/19	TO15VOL	124-48-1	Dibromochloromethane	8.1	J	2.2	28	ppbv	J	sp	<PQL			
4402545421	RISG-14-15.0-20191106	11/06/19	TO15VOL	79-01-6	Trichloroethene	12	J	3.2	28	ppbv	J	sp	<PQL			
4402545421	RISG-14-15.0-20191106	11/06/19	TO15VOL	75-27-4	Bromodichloromethane	8.8	J	2.8	28	ppbv	J	sp	<PQL			
4402545421	RISG-14-15.0-20191106	11/06/19	TO15VOL	67-64-1	Acetone	62	J	33	110	ppbv	J	sp	<PQL			
4402545421	RISG-14-15.0-20191106	11/06/19	TO15VOL	75-25-2	Bromoform	5.3	J	2.2	28	ppbv	J	sp	<PQL			
4402545421	RISG-14-15.0-20191106	11/06/19	TO15VOL	64-17-5	Ethanol		UJ	71	110	ppbv	UJ	c	CCV %D	31.22723	30	%
4402545421	RISG-15-5.0-20191106	11/06/19	TO15	75-27-4	Bromodichloromethane	9.4	J	5.1	53	ug/m3	J	sp	<PQL			
4402545421	RISG-15-5.0-20191106	11/06/19	TO15	127-18-4	Tetrachloroethene	43	J	7.8	54	ug/m3	J	sp	<PQL			
4402545421	RISG-15-5.0-20191106	11/06/19	TO15	124-48-1	Dibromochloromethane	14	J	4.3	67	ug/m3	J	sp	<PQL			
4402545421	RISG-15-5.0-20191106	11/06/19	TO15	96-12-8	1,2-Dibromo-3-chloropropane		UJ	14	300	ug/m3	UJ	c	ICAL %RSD	31.072	30	%
4402545421	RISG-15-5.0-20191106	11/06/19	TO15	91-20-3	Naphthalene		U	5.8	83	ug/m3	UJ	l	LCS/LCSD %R	67,68	70-130	%
4402545421	RISG-15-5.0-20191106	11/06/19	TO15	64-17-5	Ethanol		U	12	60	ug/m3	UJ	l	LCS/LCSD %R	56,59	70-130	%
4402545421	RISG-15-5.0-20191106	11/06/19	TO15	75-25-2	Bromoform	44	J	4.4	82	ug/m3	J	sp	<PQL			
4402545421	RISG-15-5.0-20191106	11/06/19	TO15	74-87-3	Chloromethane		UJ	12	160	ug/m3	UJ	c	CCV %D	31.92691	30	%
4402545421	RISG-15-5.0-20191106	11/06/19	TO15VOL	96-12-8	1,2-Dibromo-3-chloropropane		UJ	1.4	32	ppbv	UJ	c	ICAL %RSD	31.072	30	%
4402545421	RISG-15-5.0-20191106	11/06/19	TO15VOL	91-20-3	Naphthalene		U	1.1	16	ppbv	UJ	l	LCS/LCSD %R	67,68	70-130	%
4402545421	RISG-15-5.0-20191106	11/06/19	TO15VOL	75-25-2	Bromoform	4.2	J	0.43	7.9	ppbv	J	sp	<PQL			
4402545421	RISG-15-5.0-20191106	11/06/19	TO15VOL	124-48-1	Dibromochloromethane	1.7	J	0.5	7.9	ppbv	J	sp	<PQL			
4402545421	RISG-15-5.0-20191106	11/06/19	TO15VOL	74-87-3	Chloromethane		UJ	6	79	ppbv	UJ	c	CCV %D	31.92691	30	%
4402545421	RISG-15-5.0-20191106	11/06/19	TO15VOL	75-27-4	Bromodichloromethane	1.4	J	0.76	7.9	ppbv	J	sp	<PQL			
4402545421	RISG-15-5.0-20191106	11/06/19	TO15VOL	64-17-5	Ethanol		U	6.5	32	ppbv	UJ	l	LCS/LCSD %R	56,59	70-130	%
4402545421	RISG-15-5.0-20191106	11/06/19	TO15VOL	127-18-4	Tetrachloroethene	6.3	J	1.2	7.9	ppbv	J	sp	<PQL			
4402545421	RISG-15-15.0-20191106	11/06/19	TO15	64-17-5	Ethanol		UJ	83	130	ug/m3	UJ	c	CCV %D	31.22723	30	%
4402545421	RISG-15-15.0-20191106	11/06/19	TO15	75-25-2	Bromoform	38	J	14	180	ug/m3	J	sp	<PQL			
4402545421	RISG-15-15.0-20191106	11/06/19	TO15	75-27-4	Bromodichloromethane	96	J	12	120	ug/m3	J	sp	<PQL			
4402545421	RISG-15-15.0-20191106	11/06/19	TO15	124-48-1	Dibromochloromethane	70	J	12	150	ug/m3	J	sp	<PQL			
4402545421	RISG-15-15.0-20191106	11/06/19	TO15VOL	75-25-2	Bromoform	3.6	J	1.3	18	ppbv	J	sp	<PQL			
4402545421	RISG-15-15.0-20191106	11/06/19	TO15VOL	124-48-1	Dibromochloromethane	8.2	J	1.4	18	ppbv	J	sp	<PQL			
4402545421	RISG-15-15.0-20191106	11/06/19	TO15VOL	64-17-5	Ethanol		UJ	44	71	ppbv	UJ	c	CCV %D	31.22723	30	%
4402545421	RISG-15-15.0-20191106	11/06/19	TO15VOL	75-27-4	Bromodichloromethane	14	J	1.8	18	ppbv	J	sp	<PQL			
4402545421	RISG-16-5.0-20191106	11/06/19	TO15	75-27-4	Bromodichloromethane	22	J	7.3	73	ug/m3	J	sp	<PQL			
4402545421	RISG-16-5.0-20191106	11/06/19	TO15	75-35-4	1,1-Dichloroethene	17	J	6.8	43	ug/m3	J	sp	<PQL			
4402545421	RISG-16-5.0-20191106	11/06/19	TO15	75-25-2	Bromoform	18	J	8.5	110	ug/m3	J	sp	<PQL			
4402545421	RISG-16-5.0-20191106	11/06/19	TO15	79-01-6	Trichloroethene	8.1	J	6.5	58	ug/m3	J	sp	<PQL			
4402545421	RISG-16-5.0-20191106	11/06/19	TO15	124-48-1	Dibromochloromethane	16	J	7.3	92	ug/m3	J	sp	<PQL			
4402545421	RISG-16-5.0-20191106	11/06/19	TO15	64-17-5	Ethanol		UJ	51	82	ug/m3	UJ	c	CCV %D	31.22723	30	%
4402545421	RISG-16-5.0-20191106	11/06/19	TO15VOL	124-48-1	Dibromochloromethane	1.8	J	0.85	11	ppbv	J	sp	<PQL			
4402545421	RISG-16-5.0-20191106	11/06/19	TO15VOL	75-25-2	Bromoform	1.7	J	0.82	11	ppbv	J	sp	<PQL			
4402545421	RISG-16-5.0-20191106	11/06/19	TO15VOL	79-01-6	Trichloroethene	1.5	J	1.2	11	ppbv	J	sp	<PQL			
4402545421	RISG-16-5.0-20191106	11/06/19	TO15VOL	64-17-5	Ethanol		UJ	27	43	ppbv	UJ	c	CCV %D	31.22723	30	%
4402545421	RISG-16-5.0-20191106	11/06/19	TO15VOL	75-35-4	1,1-Dichloroethene	4.3	J	1.7	11	ppbv	J	sp	<PQL			
4402545421	RISG-16-5.0-20191106	11/06/19	TO15VOL	75-27-4	Bromodichloromethane	3.2	J	1.1	11	ppbv	J	sp	<PQL			
4402545421	RISG-17-5.0-20191106	11/06/19	TO15	75-27-4	Bromodichloromethane	250	J	26	260	ug/m3	J	sp	<PQL			
4402545421	RISG-17-5.0-20191106	11/06/19	TO15	91-20-3	Naphthalene		U	62	810	ug/m3	UJ	c	CCV %D	37.88279	30	%
4402545421	RISG-17-5.0-20191106	11/06/19	TO15	630-20-6	1,1,1,2-Tetrachloroethane		U	1100	1100	ug/m3	UJ	c	CCV %D	32.39224	30	%
4402545421	RISG-17-5.0-20191106	11/06/19	TO15	136777-61-2	m,p-xylene	99	J	32	170	ug/m3	J	sp	<PQL			
4402545421	RISG-17-5.0-20191106	11/06/19	TO15	75-09-2	Methylene Chloride	110	J	83	540	ug/m3	J	sp	<PQL			
4402545421	RISG-17-5.0-20191106	11/06/19	TO15	67-64-1	Acetone	110	J	54	370	ug/m3	J	sp	<PQL			
4402545421	RISG-17-5.0-20191106	11/06/19	TO15	87-68-3	Hexachlorobutadiene		U	1000	1600	ug/m3	UJ	c	ICAL %RSD; CCV %D	36.478; 30.4911	30	%
4402545421	RISG-17-5.0-20191106	11/06/19	TO15	96-18-4	1,2,3-Trichloropropane		U	930	930	ug/m3	UJ	c	ICAL %RSD	31.26	30	%
4402545421	RISG-17-5.0-20191106	11/06/19	TO15	75-25-2	Bromoform	67	J	55	400	ug/m3	J	sp	<PQL			
4402545421	RISG-17-5.0-20191106	11/06/19	TO15	95-63-6	1,2,4-Trimethylbenzene	37	J	36	190	ug/m3	J	bl,bb,sp	blank contamination below PQL; <PQL	16	32	ug/m³
4402545421	RISG-17-5.0-20191106	11/06/19	TO15	79-01-6	Trichloroethene	92	J	62	210	ug/m3	J	sp	<PQL			
4402545421	RISG-17-5.0-20191106	11/06/19	TO15	124-48-1	Dibromochloromethane	96	J	68	330	ug/m3	J	sp	<PQL			
4402545421	RISG-17-5.0-20191106	11/06/19	TO15	108-67-8	1,3,5-Trimethylbenzene	53	J	32	190	ug/m3	J	bl,bb,sp	blank contamination below PQL; <PQL	6.3	12.6	ug/m³
4402545421	RISG-17-5.0-20191106	11/06/19	TO15	95-47-6	ortho-xylene	53	J	45	170	ug/m3	J	sp	<PQL			
4402545421	RISG-17-5.0-20191106	11/06/19	TO15VOL	96-18-4	1,2,3-Trichloropropane		U	160	160	ppbv	UJ	c	ICAL %RSD	31.26	30	%
4402545421	RISG-17-5.0-20191106	11/06/19	TO15VOL	79-01-6	Trichloroethene	17	J	11	39	ppbv	J	sp	<PQL			
4402545421	RISG-17-5.0-20191106	11/06/19	TO15VOL	108-67-8	1,3,5-Trimethylbenzene	11	J	6.4	39	ppbv	J	bl,bb,sp	blank contamination below PQL; <PQL	6.3	12.6	ug/m³
4402545421	RISG-17-5.0-20191106	11/06/19	TO15VOL	87-68-3	Hexachlorobutadiene		U	96	160	ppbv	UJ	c	ICAL %RSD; CCV %D	36.478; 30.4911	30	%
4402545421	RISG-17-5.0-20191106	11/06/19	TO15VOL	75-25-2	Bromoform	6.5	J	5.3	39	ppbv	J	sp	<PQL			
4402545421	RISG-17-5.0-20191106	11/06/19	TO15VOL	75-27-4	Bromodichloromethane	38	J	3.9	39	ppbv	J	sp	<PQL			

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator	Qualification Finding	Acceptance Criteria	
4402545421	RISG-17-5.0-20191106	11/06/19	TO15VOL	67-64-1	Acetone	46	J	23	160	ppbv	J	sp	<PQL			
4402545421	RISG-17-5.0-20191106	11/06/19	TO15VOL	95-63-6	1,2,4-Trimethylbenzene	7.5	J	7.4	39	ppbv	J	bl,bb,sp	blank contamination below PQL; <PQL	16	32	ug/m³
4402545421	RISG-17-5.0-20191106	11/06/19	TO15VOL	124-48-1	Dibromochloromethane	11	J	8	39	ppbv	J	sp	<PQL			
4402545421	RISG-17-5.0-20191106	11/06/19	TO15VOL	95-47-6	ortho-xylene	12	J	10	39	ppbv	J	sp	<PQL			
4402545421	RISG-17-5.0-20191106	11/06/19	TO15VOL	75-09-2	Methylene Chloride	33	J	24	160	ppbv	J	sp	<PQL			
4402545421	RISG-17-5.0-20191106	11/06/19	TO15VOL	91-20-3	Naphthalene		U	12	160	ppbv	UJ	c	CCV %D	37.88279	30	%
4402545421	RISG-17-5.0-20191106	11/06/19	TO15VOL	630-20-6	1,1,1,2-Tetrachloroethane		U	160	160	ppbv	UJ	c	CCV %D	32.39224	30	%
4402545421	RISG-17-5.0-20191106	11/06/19	TO15VOL	136777-61-2	m,p-xylene	23	J	7.3	39	ppbv	J	sp	<PQL			
4402545421	RISG-18-5.0-20191106	11/06/19	TO15	79-01-6	Trichloroethene	36	J	14	120	ug/m3	J	sp	<PQL			
4402545421	RISG-18-5.0-20191106	11/06/19	TO15	75-35-4	1,1-Dichloroethene	26	J	14	92	ug/m3	J	sp	<PQL			
4402545421	RISG-18-5.0-20191106	11/06/19	TO15	75-27-4	Bromodichloromethane	39	J	16	160	ug/m3	J	sp	<PQL			
4402545421	RISG-18-5.0-20191106	11/06/19	TO15	64-17-5	Ethanol		UJ	110	180	ug/m3	UJ	c	CCV %D	31.22723	30	%
4402545421	RISG-18-5.0-20191106	11/06/19	TO15VOL	75-35-4	1,1-Dichloroethene	6.5	J	3.7	23	ppbv	J	sp	<PQL			
4402545421	RISG-18-5.0-20191106	11/06/19	TO15VOL	75-27-4	Bromodichloromethane	5.9	J	2.3	23	ppbv	J	sp	<PQL			
4402545421	RISG-18-5.0-20191106	11/06/19	TO15VOL	64-17-5	Ethanol		UJ	58	93	ppbv	UJ	c	CCV %D	31.22723	30	%
4402545421	RISG-18-5.0-20191106	11/06/19	TO15VOL	79-01-6	Trichloroethene	6.6	J	2.6	23	ppbv	J	sp	<PQL			
4402545421	RISG-19-5.0-20191106	11/06/19	TO15	75-35-4	1,1-Dichloroethene	14	J	13	84	ug/m3	J	sp	<PQL			
4402545421	RISG-19-5.0-20191106	11/06/19	TO15	75-27-4	Bromodichloromethane	62	J	14	140	ug/m3	J	sp	<PQL			
4402545421	RISG-19-5.0-20191106	11/06/19	TO15	64-17-5	Ethanol		UJ	100	160	ug/m3	UJ	c	CCV %D	31.22723	30	%
4402545421	RISG-19-5.0-20191106	11/06/19	TO15	75-25-2	Bromoform	25	J	17	220	ug/m3	J	sp	<PQL			
4402545421	RISG-19-5.0-20191106	11/06/19	TO15	124-48-1	Dibromochloromethane	30	J	14	180	ug/m3	J	sp	<PQL			
4402545421	RISG-19-5.0-20191106	11/06/19	TO15VOL	64-17-5	Ethanol		UJ	53	85	ppbv	UJ	c	CCV %D	31.22723	30	%
4402545421	RISG-19-5.0-20191106	11/06/19	TO15VOL	75-25-2	Bromoform	2.4	J	1.6	21	ppbv	J	sp	<PQL			
4402545421	RISG-19-5.0-20191106	11/06/19	TO15VOL	75-27-4	Bromodichloromethane	9.2	J	2.1	21	ppbv	J	sp	<PQL			
4402545421	RISG-19-5.0-20191106	11/06/19	TO15VOL	75-35-4	1,1-Dichloroethene	3.5	J	3.3	21	ppbv	J	sp	<PQL			
4402545421	RISG-19-5.0-20191106	11/06/19	TO15VOL	124-48-1	Dibromochloromethane	3.6	J	1.7	21	ppbv	J	sp	<PQL			
4402545421	RISG-21-5.0-20191107	11/07/19	TO15	120-82-1	1,2,4-Trichlorobenzene		U	23	64	ug/m3	UJ	c	ICV %D	35.03	30	%
4402545421	RISG-21-5.0-20191107	11/07/19	TO15	64-17-5	Ethanol		U	3.4	16	ug/m3	UJ	c	ICAL %RSD	39.788	30	%
4402545421	RISG-21-5.0-20191107	11/07/19	TO15SIM	56-23-5	Carbon Tetrachloride	1.1	J	1	2.2	ug/m3	J	sp	<PQL			
4402545421	RISG-21-5.0-20191107	11/07/19	TO15SIMVOL	56-23-5	Carbon Tetrachloride	0.18	J	0.16	0.34	ppbv	J	sp	<PQL			
4402545421	RISG-21-5.0-20191107	11/07/19	TO15VOL	64-17-5	Ethanol		U	1.8	8.6	ppbv	UJ	c	ICAL %RSD	39.788	30	%
4402545421	RISG-21-5.0-20191107	11/07/19	TO15VOL	120-82-1	1,2,4-Trichlorobenzene		U	3.1	8.6	ppbv	UJ	c	ICV %D	35.03	30	%
4402545421	RISG-21-15.0-20191107	11/07/19	TO15	56-23-5	Carbon Tetrachloride	3.7	J	2.3	22	ug/m3	J	sp	<PQL			
4402545421	RISG-21-15.0-20191107	11/07/19	TO15	75-71-8	Dichlorodifluoromethane	3.0	J	1.7	18	ug/m3	J	sp	<PQL			
4402545421	RISG-21-15.0-20191107	11/07/19	TO15	64-17-5	Ethanol		U	5.5	27	ug/m3	UJ	l	LCS/LCSD %R	56,59	70-130	%
4402545421	RISG-21-15.0-20191107	11/07/19	TO15	74-87-3	Chloromethane		UJ	5.6	74	ug/m3	UJ	c	CCV %D	31.92691	30	%
4402545421	RISG-21-15.0-20191107	11/07/19	TO15	127-18-4	Tetrachloroethene	24	J	3.6	24	ug/m3	J	sp	<PQL			
4402545421	RISG-21-15.0-20191107	11/07/19	TO15	91-20-3	Naphthalene		U	2.6	38	ug/m3	UJ	l	LCS/LCSD %R	67,68	70-130	%
4402545421	RISG-21-15.0-20191107	11/07/19	TO15	96-12-8	1,2-Dibromo-3-chloropropane		UJ	6.4	140	ug/m3	UJ	c	ICAL %RSD	31.072	30	%
4402545421	RISG-21-15.0-20191107	11/07/19	TO15VOL	74-87-3	Chloromethane		UJ	2.7	36	ppbv	UJ	c	CCV %D	31.92691	30	%
4402545421	RISG-21-15.0-20191107	11/07/19	TO15VOL	75-71-8	Dichlorodifluoromethane	0.60	J	0.35	3.6	ppbv	J	sp	<PQL			
4402545421	RISG-21-15.0-20191107	11/07/19	TO15VOL	64-17-5	Ethanol		U	2.9	14	ppbv	UJ	l	LCS/LCSD %R	56,59	70-130	%
4402545421	RISG-21-15.0-20191107	11/07/19	TO15VOL	127-18-4	Tetrachloroethene	3.5	J	0.52	3.6	ppbv	J	sp	<PQL			
4402545421	RISG-21-15.0-20191107	11/07/19	TO15VOL	96-12-8	1,2-Dibromo-3-chloropropane		UJ	0.66	14	ppbv	UJ	c	ICAL %RSD	31.072	30	%
4402545421	RISG-21-15.0-20191107	11/07/19	TO15VOL	91-20-3	Naphthalene		U	0.5	7.2	ppbv	UJ	l	LCS/LCSD %R	67,68	70-130	%
4402545421	RISG-21-15.0-20191107	11/07/19	TO15VOL	56-23-5	Carbon Tetrachloride	0.59	J	0.36	3.6	ppbv	J	sp	<PQL			
4402545421	RISG-22-5.0-20191107	11/07/19	TO15	127-18-4	Tetrachloroethene	14	J	3	21	ug/m3	J	sp	<PQL			
4402545421	RISG-22-5.0-20191107	11/07/19	TO15	75-35-4	1,1-Dichloroethene	7.4	J	2.8	12	ug/m3	J	sp	<PQL			
4402545421	RISG-22-5.0-20191107	11/07/19	TO15	91-20-3	Naphthalene		U	2.2	32	ug/m3	UJ	l	LCS/LCSD %R	67,68	70-130	%
4402545421	RISG-22-5.0-20191107	11/07/19	TO15	96-12-8	1,2-Dibromo-3-chloropropane		U	5.4	120	ug/m3	UJ	c	ICAL %RSD	31.072	30	%
4402545421	RISG-22-5.0-20191107	11/07/19	TO15	75-71-8	Dichlorodifluoromethane	2.6	J	1.5	15	ug/m3	J	sp	<PQL			
4402545421	RISG-22-5.0-20191107	11/07/19	TO15	56-23-5	Carbon Tetrachloride	15	J	2	19	ug/m3	J	sp	<PQL			
4402545421	RISG-22-5.0-20191107	11/07/19	TO15	74-87-3	Chloromethane		UJ	4.8	63	ug/m3	UJ	c	CCV %D	31.92691	30	%
4402545421	RISG-22-5.0-20191107	11/07/19	TO15	64-17-5	Ethanol		U	4.7	23	ug/m3	UJ	l	LCS/LCSD %R	56,59	70-130	%
4402545421	RISG-22-5.0-20191107	11/07/19	TO15VOL	127-18-4	Tetrachloroethene	2.0	J	0.45	3.1	ppbv	J	sp	<PQL			
4402545421	RISG-22-5.0-20191107	11/07/19	TO15VOL	64-17-5	Ethanol		U	2.5	12	ppbv	UJ	l	LCS/LCSD %R	56,59	70-130	%
4402545421	RISG-22-5.0-20191107	11/07/19	TO15VOL	75-35-4	1,1-Dichloroethene	1.9	J	0.7	3.1	ppbv	J	sp	<PQL			
4402545421	RISG-22-5.0-20191107	11/07/19	TO15VOL	74-87-3	Chloromethane		UJ	2.3	31	ppbv	UJ	c	CCV %D	31.92691	30	%
4402545421	RISG-22-5.0-20191107	11/07/19	TO15VOL	91-20-3	Naphthalene		U	0.43	6.1	ppbv	UJ	l	LCS/LCSD %R	67,68	70-130	%
4402545421	RISG-22-5.0-20191107	11/07/19	TO15VOL	96-12-8	1,2-Dibromo-3-chloropropane		U	0.56	12	ppbv	UJ	c	ICAL %RSD	31.072	30	%
4402545421	RISG-22-5.0-20191107	11/07/19	TO15VOL	56-23-5	Carbon Tetrachloride	2.4	J	0.31	3.1	ppbv	J	sp	<PQL			
4402545421	RISG-22-5.0-20191107	11/07/19	TO15VOL	75-71-8	Dichlorodifluoromethane	0.53	J	0.3	3.1	ppbv	J	sp	<PQL			
4402545421	RISG-22-12.4-20191107	11/07/19	TO15	75-35-4	1,1-Dichloroethene	21	J	5.5	35	ug/m3	J	sp	<PQL			
4402545421	RISG-22-12.4-20191107	11/07/19	TO15	64-17-5	Ethanol		UJ	41	66	ug/m3	UJ	c	CCV %D	31.22723	30	%
4402545421	RISG-22-12.4-20191107	11/07/19	TO15	56-23-5	Carbon Tetrachloride	48	J	5.7	55	ug/m3	J	sp	<PQL			
4402545421	RISG-22-12.4-20191107	11/07/19	TO15	127-18-4	Tetrachloroethene	35	J	6.3	59	ug/m3	J	sp	<PQL			

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator	Qualification Finding	Acceptance Criteria	
4402545421	RISG-22-12.4-20191107	11/07/19	TO15VOL	64-17-5	Ethanol		UJ	22	35	ppbv	UJ	c	CCV %D	31.22723	30	%
4402545421	RISG-22-12.4-20191107	11/07/19	TO15VOL	127-18-4	Tetrachloroethene	5.2	J	0.93	8.8	ppbv	J	sp	<PQL			
4402545421	RISG-22-12.4-20191107	11/07/19	TO15VOL	56-23-5	Carbon Tetrachloride	7.6	J	0.91	8.8	ppbv	J	sp	<PQL			
4402545421	RISG-22-12.4-20191107	11/07/19	TO15VOL	75-35-4	1,1-Dichloroethene	5.3	J	1.4	8.8	ppbv	J	sp	<PQL			
4402545421	RISG-23-5.0-20191107	11/07/19	TO15	64-17-5	Ethanol		U	1.7	8.3	ug/m3	UJ	c	ICAL %RSD	39.788	30	%
4402545421	RISG-23-5.0-20191107	11/07/19	TO15	120-82-1	1,2,4-Trichlorobenzene		U	12	33	ug/m3	UJ	c	ICV %D	35.03	30	%
4402545421	RISG-23-5.0-20191107	11/07/19	TO15	75-69-4	Trichlorofluoromethane	1.0	J	1	4.9	ug/m3	J	sp	<PQL			
4402545421	RISG-23-5.0-20191107	11/07/19	TO15SIM	108-88-3	Toluene	0.84	J	0.5	1.6	ug/m3	J	sp	<PQL			
4402545421	RISG-23-5.0-20191107	11/07/19	TO15SIMVOL	108-88-3	Toluene	0.22	J	0.13	0.44	ppbv	J	sp	<PQL			
4402545421	RISG-23-5.0-20191107	11/07/19	TO15VOL	75-69-4	Trichlorofluoromethane	0.18	J	0.18	0.88	ppbv	J	sp	<PQL			
4402545421	RISG-23-5.0-20191107	11/07/19	TO15VOL	120-82-1	1,2,4-Trichlorobenzene		U	1.6	4.4	ppbv	UJ	c	ICV %D	35.03	30	%
4402545421	RISG-23-5.0-20191107	11/07/19	TO15VOL	64-17-5	Ethanol		U	0.91	4.4	ppbv	UJ	c	ICAL %RSD	39.788	30	%
4402545421	RISG-23-15.0-20191107	11/07/19	TO15	56-23-5	Carbon Tetrachloride	25	J	4.7	46	ug/m3	J	sp	<PQL			
4402545421	RISG-23-15.0-20191107	11/07/19	TO15	87-68-3	Hexachlorobutadiene	24	J	12	320	ug/m3	J	bl,bb,sp	blank contamination below PQL; <PQL	1.3	2.6	ug/m³
4402545421	RISG-23-15.0-20191107	11/07/19	TO15	64-17-5	Ethanol		U	11	56	ug/m3	UJ	l	LCS/LCSD %R	56,59	70-130	%
4402545421	RISG-23-15.0-20191107	11/07/19	TO15	74-87-3	Chloromethane		UJ	12	150	ug/m3	UJ	c	CCV %D	31.92691	30	%
4402545421	RISG-23-15.0-20191107	11/07/19	TO15	127-18-4	Tetrachloroethene	16	J	7.3	50	ug/m3	J	sp	<PQL			
4402545421	RISG-23-15.0-20191107	11/07/19	TO15	91-20-3	Naphthalene		U	5.4	78	ug/m3	UJ	l	LCS/LCSD %R	67,68	70-130	%
4402545421	RISG-23-15.0-20191107	11/07/19	TO15	96-12-8	1,2-Dibromo-3-chloropropane		UJ	13	290	ug/m3	UJ	c	ICAL %RSD	31.072	30	%
4402545421	RISG-23-15.0-20191107	11/07/19	TO15VOL	74-87-3	Chloromethane		UJ	5.6	74	ppbv	UJ	c	CCV %D	31.92691	30	%
4402545421	RISG-23-15.0-20191107	11/07/19	TO15VOL	64-17-5	Ethanol		U	6.1	30	ppbv	UJ	l	LCS/LCSD %R	56,59	70-130	%
4402545421	RISG-23-15.0-20191107	11/07/19	TO15VOL	127-18-4	Tetrachloroethene	2.4	J	1.1	7.4	ppbv	J	sp	<PQL			
4402545421	RISG-23-15.0-20191107	11/07/19	TO15VOL	56-23-5	Carbon Tetrachloride	4.0	J	0.75	7.4	ppbv	J	sp	<PQL			
4402545421	RISG-23-15.0-20191107	11/07/19	TO15VOL	91-20-3	Naphthalene		U	1	15	ppbv	UJ	l	LCS/LCSD %R	67,68	70-130	%
4402545421	RISG-23-15.0-20191107	11/07/19	TO15VOL	96-12-8	1,2-Dibromo-3-chloropropane		UJ	1.4	30	ppbv	UJ	c	ICAL %RSD	31.072	30	%
4402545421	RISG-23-15.0-20191107	11/07/19	TO15VOL	87-68-3	Hexachlorobutadiene	2.2	J	1.2	30	ppbv	J	bl,bb,sp	blank contamination below PQL; <PQL	1.3	2.6	ug/m³
4402545421	RISG-24-5.0-20191105	11/05/19	TO15	541-73-1	1,3-Dichlorobenzene		UJ	3	5.3	ug/m3	UJ	c	CCV %D	31.67755	30	%
4402545421	RISG-24-5.0-20191105	11/05/19	TO15	67-64-1	Acetone	10	J	5.7	21	ug/m3	J	sp	<PQL			
4402545421	RISG-24-5.0-20191105	11/05/19	TO15	75-69-4	Trichlorofluoromethane	1.1	J	0.86	4.9	ug/m3	J	sp	<PQL			
4402545421	RISG-24-5.0-20191105	11/05/19	TO15	591-78-6	2-Hexanone		U	1.5	18	ug/m3	UJ	c	ICAL %RSD	35.896	30	%
4402545421	RISG-24-5.0-20191105	11/05/19	TO15	120-82-1	1,2,4-Trichlorobenzene		U	5.8	32	ug/m3	UJ	l	LCS/LCSD %R	60,-	70-130	%
4402545421	RISG-24-5.0-20191105	11/05/19	TO15	95-50-1	1,2-Dichlorobenzene		UJ	3.6	5.3	ug/m3	UJ	c	CCV %D	30.53607	30	%
4402545421	RISG-24-5.0-20191105	11/05/19	TO15	100-44-7	Benzyl chloride		UJ	2.1	4.5	ug/m3	UJ	c	CCV %D	33.54623	30	%
4402545421	RISG-24-5.0-20191105	11/05/19	TO15	87-68-3	Hexachlorobutadiene		U	7	47	ug/m3	UJ	c,l	ICV %D; LCS/LCSD %R	35.52; 60,-	30; 70-130	%; %
4402545421	RISG-24-5.0-20191105	11/05/19	TO15SIM	136777-61-2	m,p-xylene	0.23	J	0.077	1.5	ug/m3	J	sp	<PQL			
4402545421	RISG-24-5.0-20191105	11/05/19	TO15SIM	79-01-6	Trichloroethene	0.58	J	0.25	0.94	ug/m3	J	sp	<PQL			
4402545421	RISG-24-5.0-20191105	11/05/19	TO15SIM	74-87-3	Chloromethane	0.23	J	0.19	9.0	ug/m3	J	sp	<PQL			
4402545421	RISG-24-5.0-20191105	11/05/19	TO15SIM	108-88-3	Toluene	0.35	J	0.21	1.6	ug/m3	J	sp	<PQL			
4402545421	RISG-24-5.0-20191105	11/05/19	TO15SIM	75-34-3	1,1-Dichloroethane	0.13	J	0.12	0.71	ug/m3	J	sp	<PQL			
4402545421	RISG-24-5.0-20191105	11/05/19	TO15SIM	71-43-2	Benzene	0.39	J	0.22	1.4	ug/m3	J	sp	<PQL			
4402545421	RISG-24-5.0-20191105	11/05/19	TO15SIM	106-46-7	1,4-Dichlorobenzene		UJ	0.71	1.0	ug/m3	UJ	c,l	ICV %D; CCV %D; LCS/LCSD %R	32.83; 38.82477; 66,65	30; 70-130	%
4402545421	RISG-24-5.0-20191105	11/05/19	TO15SIMVOL	136777-61-2	m,p-xylene	0.054	J	0.018	0.35	ppbv	J	sp	<PQL			
4402545421	RISG-24-5.0-20191105	11/05/19	TO15SIMVOL	108-88-3	Toluene	0.092	J	0.056	0.44	ppbv	J	sp	<PQL			
4402545421	RISG-24-5.0-20191105	11/05/19	TO15SIMVOL	74-87-3	Chloromethane	0.11	J	0.091	4.4	ppbv	J	sp	<PQL			
4402545421	RISG-24-5.0-20191105	11/05/19	TO15SIMVOL	75-34-3	1,1-Dichloroethane	0.031	J	0.029	0.18	ppbv	J	sp	<PQL			
4402545421	RISG-24-5.0-20191105	11/05/19	TO15SIMVOL	106-46-7	1,4-Dichlorobenzene		UJ	0.12	0.18	ppbv	UJ	c,l	ICV %D; CCV %D; LCS/LCSD %R	32.83; 38.82477; 66,65	30; 70-130	%
4402545421	RISG-24-5.0-20191105	11/05/19	TO15SIMVOL	71-43-2	Benzene	0.12	J	0.07	0.44	ppbv	J	sp	<PQL			
4402545421	RISG-24-5.0-20191105	11/05/19	TO15SIMVOL	79-01-6	Trichloroethene	0.11	J	0.047	0.18	ppbv	J	sp	<PQL			
4402545421	RISG-24-5.0-20191105	11/05/19	TO15VOL	75-69-4	Trichlorofluoromethane	0.20	J	0.15	0.88	ppbv	J	sp	<PQL			
4402545421	RISG-24-5.0-20191105	11/05/19	TO15VOL	95-50-1	1,2-Dichlorobenzene		UJ	0.59	0.88	ppbv	UJ	c	CCV %D	30.53607	30	%
4402545421	RISG-24-5.0-20191105	11/05/19	TO15VOL	100-44-7	Benzyl chloride		UJ	0.41	0.88	ppbv	UJ	c	CCV %D	33.54623	30	%
4402545421	RISG-24-5.0-20191105	11/05/19	TO15VOL	67-64-1	Acetone	4.2	J	2.4	8.8	ppbv	J	sp	<PQL			
4402545421	RISG-24-5.0-20191105	11/05/19	TO15VOL	87-68-3	Hexachlorobutadiene		U	0.66	4.4	ppbv	UJ	c,l	ICV %D; LCS/LCSD %R	35.52; 60,-	30; 70-130	%; %
4402545421	RISG-24-5.0-20191105	11/05/19	TO15VOL	120-82-1	1,2,4-Trichlorobenzene		U	0.78	4.4	ppbv	UJ	l	LCS/LCSD %R	60,-	70-130	%
4402545421	RISG-24-5.0-20191105	11/05/19	TO15VOL	591-78-6	2-Hexanone		U	0.37	4.4	ppbv	UJ	c	ICAL %RSD	35.896	30	%
4402545421	RISG-24-5.0-20191105	11/05/19	TO15VOL	541-73-1	1,3-Dichlorobenzene		UJ	0.5	0.88	ppbv	UJ	c	CCV %D	31.67755	30	%
4402545421	RISG-24-15.0-20191105	11/05/19	TO15	120-82-1	1,2,4-Trichlorobenzene		U	11	60	ug/m3	UJ	l	LCS/LCSD %R	60,-	70-130	%
4402545421	RISG-24-15.0-20191105	11/05/19	TO15	87-68-3	Hexachlorobutadiene		U	13	87	ug/m3	UJ	c,l	ICV %D; LCS/LCSD %R	35.52; 60,-	30; 70-130	%; %
4402545421	RISG-24-15.0-20191105	11/05/19	TO15	591-78-6	2-Hexanone		U	2.8	33	ug/m3	UJ	c	ICAL %RSD	35.896	30	%
4402545421	RISG-24-15.0-20191105	11/05/19	TO15	541-73-1	1,3-Dichlorobenzene		UJ	5.6	9.8	ug/m3	UJ	c	CCV %D	31.67755	30	%
4402545421	RISG-24-15.0-20191105	11/05/19	TO15	100-44-7	Benzyl chloride		UJ	4	8.4	ug/m3	UJ	c	CCV %D	33.54623	30	%
4402545421	RISG-24-15.0-20191105	11/05/19	TO15	95-50-1	1,2-Dichlorobenzene		UJ	6.6	9.8	ug/m3	UJ	c	CCV %D	30.53607	30	%
4402545421	RISG-24-15.0-20191105	11/05/19	TO15SIM	71-43-2	Benzene	0.42	J	0.42	2.6	ug/m3	J	sp	<PQL			
4402545421	RISG-24-15.0-20191105	11/05/19	TO15SIM	136777-61-2	m,p-xylene	0.30	J	0.14	2.8	ug/m3	J	sp	<PQL			
4402545421	RISG-24-15.0-20191105	11/05/19	TO15SIM	108-88-3	Toluene	0.40	J	0.39	3.1	ug/m3	J	sp	<PQL			
4402545421	RISG-24-15.0-20191105	11/05/19	TO15SIM	106-46-7	1,4-Dichlorobenzene		UJ	1.3	2.0	ug/m3	UJ	c,l	ICV %D; CCV %D; LCS/LCSD %R	32.83; 38.82477; 66,65	30; 70-130	%

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator	Qualification Finding	Acceptance Criteria	
4402545421	RISG-24-15.0-20191105	11/05/19	TO15SIM	75-35-4	1,1-Dichloroethene	0.55	J	0.18	0.65	ug/m3	J	sp	<PQL			
4402545421	RISG-24-15.0-20191105	11/05/19	TO15SIMVOL	71-43-2	Benzene	0.13	J	0.13	0.82	ppbv	J	sp	<PQL			
4402545421	RISG-24-15.0-20191105	11/05/19	TO15SIMVOL	108-88-3	Toluene	0.10	J	0.1	0.82	ppbv	J	sp	<PQL			
4402545421	RISG-24-15.0-20191105	11/05/19	TO15SIMVOL	106-46-7	1,4-Dichlorobenzene		UJ	0.22	0.33	ppbv	UJ	c,l	ICV %D; CCV %D; LCS/LCSD %R	32.83; 38.82477; 66,65	30; 70-130	%
4402545421	RISG-24-15.0-20191105	11/05/19	TO15SIMVOL	136777-61-2	m,p-xylene	0.068	J	0.033	0.65	ppbv	J	sp	<PQL			
4402545421	RISG-24-15.0-20191105	11/05/19	TO15SIMVOL	75-35-4	1,1-Dichloroethene	0.14	J	0.047	0.16	ppbv	J	sp	<PQL			
4402545421	RISG-24-15.0-20191105	11/05/19	TO15VOL	95-50-1	1,2-Dichlorobenzene		UJ	1.1	1.6	ppbv	UJ	c	CCV %D	30.53607	30	%
4402545421	RISG-24-15.0-20191105	11/05/19	TO15VOL	591-78-6	2-Hexanone		U	0.69	8.2	ppbv	UJ	c	ICAL %RSD	35.896	30	%
4402545421	RISG-24-15.0-20191105	11/05/19	TO15VOL	87-68-3	Hexachlorobutadiene		U	1.2	8.2	ppbv	UJ	c,l	ICV %D; LCS/LCSD %R	35.52; 60,-	30; 70-130	%; %
4402545421	RISG-24-15.0-20191105	11/05/19	TO15VOL	100-44-7	Benzyl chloride		UJ	0.77	1.6	ppbv	UJ	c	CCV %D	33.54623	30	%
4402545421	RISG-24-15.0-20191105	11/05/19	TO15VOL	541-73-1	1,3-Dichlorobenzene		UJ	0.94	1.6	ppbv	UJ	c	CCV %D	31.67755	30	%
4402545421	RISG-24-15.0-20191105	11/05/19	TO15VOL	120-82-1	1,2,4-Trichlorobenzene		U	1.4	8.2	ppbv	UJ	l	LCS/LCSD %R	60,-	70-130	%
4402545421	RISG-25-5.0-20191104	11/04/19	TO15	67-64-1	Acetone	17	J	5.5	20	ug/m3	J	sp	<PQL			
4402545421	RISG-25-5.0-20191104	11/04/19	TO15	120-82-1	1,2,4-Trichlorobenzene		U	5.6	31	ug/m3	UJ	l	LCS/LCSD %R	60,-	70-130	%
4402545421	RISG-25-5.0-20191104	11/04/19	TO15	75-69-4	Trichlorofluoromethane	2.2	J	0.82	4.7	ug/m3	J	sp	<PQL			
4402545421	RISG-25-5.0-20191104	11/04/19	TO15	110-82-7	Cyclohexane	1.3	J	1	2.9	ug/m3	J	sp	<PQL			
4402545421	RISG-25-5.0-20191104	11/04/19	TO15	591-78-6	2-Hexanone		U	1.5	17	ug/m3	UJ	c	ICAL %RSD	35.896	30	%
4402545421	RISG-25-5.0-20191104	11/04/19	TO15	541-73-1	1,3-Dichlorobenzene		UJ	2.9	5.0	ug/m3	UJ	c	CCV %D	31.67755	30	%
4402545421	RISG-25-5.0-20191104	11/04/19	TO15	78-87-5	1,2-Dichloropropane	0.88	J	0.87	3.9	ug/m3	J	sp	<PQL			
4402545421	RISG-25-5.0-20191104	11/04/19	TO15	95-50-1	1,2-Dichlorobenzene		UJ	3.4	5.0	ug/m3	UJ	c	CCV %D	30.53607	30	%
4402545421	RISG-25-5.0-20191104	11/04/19	TO15	87-68-3	Hexachlorobutadiene		U	6.8	45	ug/m3	UJ	c,l	ICV %D; LCS/LCSD %R	35.52; 60,-	30; 70-130	%; %
4402545421	RISG-25-5.0-20191104	11/04/19	TO15	100-44-7	Benzyl chloride		UJ	2	4.3	ug/m3	UJ	c	CCV %D	33.54623	30	%
4402545421	RISG-25-5.0-20191104	11/04/19	TO15SIM	75-01-4	Vinyl Chloride	0.086	J	0.055	0.21	ug/m3	J	sp	<PQL			
4402545421	RISG-25-5.0-20191104	11/04/19	TO15SIM	108-88-3	Toluene	0.31	J	0.2	1.6	ug/m3	J	sp	<PQL			
4402545421	RISG-25-5.0-20191104	11/04/19	TO15SIM	136777-61-2	m,p-xylene	0.30	J	0.074	1.4	ug/m3	J	sp	<PQL			
4402545421	RISG-25-5.0-20191104	11/04/19	TO15SIM	156-60-5	trans-1,2-Dichloroethene	0.55	J	0.1	3.3	ug/m3	J	sp	<PQL			
4402545421	RISG-25-5.0-20191104	11/04/19	TO15SIM	71-43-2	Benzene	0.27	J	0.22	1.3	ug/m3	J	sp	<PQL			
4402545421	RISG-25-5.0-20191104	11/04/19	TO15SIM	106-46-7	1,4-Dichlorobenzene		UJ	0.68	1.0	ug/m3	UJ	c,l	ICV %D; CCV %D; LCS/LCSD %R	32.83; 38.82477; 66,65	30; 70-130	%
4402545421	RISG-25-5.0-20191104	11/04/19	TO15SIM	95-47-6	ortho-xylene	0.17	J	0.075	0.73	ug/m3	J	sp	<PQL			
4402545421	RISG-25-5.0-20191104	11/04/19	TO15SIMVOL	75-01-4	Vinyl Chloride	0.034	J	0.022	0.084	ppbv	J	sp	<PQL			
4402545421	RISG-25-5.0-20191104	11/04/19	TO15SIMVOL	136777-61-2	m,p-xylene	0.070	J	0.017	0.34	ppbv	J	sp	<PQL			
4402545421	RISG-25-5.0-20191104	11/04/19	TO15SIMVOL	95-47-6	ortho-xylene	0.039	J	0.017	0.17	ppbv	J	sp	<PQL			
4402545421	RISG-25-5.0-20191104	11/04/19	TO15SIMVOL	108-88-3	Toluene	0.082	J	0.054	0.42	ppbv	J	sp	<PQL			
4402545421	RISG-25-5.0-20191104	11/04/19	TO15SIMVOL	106-46-7	1,4-Dichlorobenzene		UJ	0.11	0.17	ppbv	UJ	c,l	ICV %D; CCV %D; LCS/LCSD %R	32.83; 38.82477; 66,65	30; 70-130	%
4402545421	RISG-25-5.0-20191104	11/04/19	TO15SIMVOL	71-43-2	Benzene	0.083	J	0.068	0.42	ppbv	J	sp	<PQL			
4402545421	RISG-25-5.0-20191104	11/04/19	TO15SIMVOL	156-60-5	trans-1,2-Dichloroethene	0.14	J	0.027	0.84	ppbv	J	sp	<PQL			
4402545421	RISG-25-5.0-20191104	11/04/19	TO15VOL	75-69-4	Trichlorofluoromethane	0.39	J	0.15	0.84	ppbv	J	sp	<PQL			
4402545421	RISG-25-5.0-20191104	11/04/19	TO15VOL	95-50-1	1,2-Dichlorobenzene		UJ	0.57	0.84	ppbv	UJ	c	CCV %D	30.53607	30	%
4402545421	RISG-25-5.0-20191104	11/04/19	TO15VOL	78-87-5	1,2-Dichloropropane	0.19	J	0.19	0.84	ppbv	J	sp	<PQL			
4402545421	RISG-25-5.0-20191104	11/04/19	TO15VOL	120-82-1	1,2,4-Trichlorobenzene		U	0.75	4.2	ppbv	UJ	l	LCS/LCSD %R	60,-	70-130	%
4402545421	RISG-25-5.0-20191104	11/04/19	TO15VOL	591-78-6	2-Hexanone		U	0.36	4.2	ppbv	UJ	c	ICAL %RSD	35.896	30	%
4402545421	RISG-25-5.0-20191104	11/04/19	TO15VOL	110-82-7	Cyclohexane	0.37	J	0.31	0.84	ppbv	J	sp	<PQL			
4402545421	RISG-25-5.0-20191104	11/04/19	TO15VOL	87-68-3	Hexachlorobutadiene		U	0.63	4.2	ppbv	UJ	c,l	ICV %D; LCS/LCSD %R	35.52; 60,-	30; 70-130	%; %
4402545421	RISG-25-5.0-20191104	11/04/19	TO15VOL	67-64-1	Acetone	7.2	J	2.3	8.4	ppbv	J	sp	<PQL			
4402545421	RISG-25-5.0-20191104	11/04/19	TO15VOL	541-73-1	1,3-Dichlorobenzene		UJ	0.48	0.84	ppbv	UJ	c	CCV %D	31.67755	30	%
4402545421	RISG-25-5.0-20191104	11/04/19	TO15VOL	100-44-7	Benzyl chloride		UJ	0.4	0.84	ppbv	UJ	c	CCV %D	33.54623	30	%
4402545421	RISG-25-15.0-20191104	11/04/19	TO15	120-82-1	1,2,4-Trichlorobenzene		U	1.2	6.7	ug/m3	UJ	l	LCS/LCSD %R	60,-	70-130	%
4402545421	RISG-25-15.0-20191104	11/04/19	TO15	75-09-2	Methylene Chloride	0.68	J	0.58	1.2	ug/m3	J	sp	<PQL			
4402545421	RISG-25-15.0-20191104	11/04/19	TO15	78-93-3	2-Butanone	0.97	J	0.3	2.6	ug/m3	J	sp	<PQL			
4402545421	RISG-25-15.0-20191104	11/04/19	TO15	95-50-1	1,2-Dichlorobenzene		UJ	0.73	1.1	ug/m3	UJ	c	CCV %D	30.53607	30	%
4402545421	RISG-25-15.0-20191104	11/04/19	TO15	100-44-7	Benzyl chloride		UJ	0.44	0.93	ug/m3	UJ	c	CCV %D	33.54623	30	%
4402545421	RISG-25-15.0-20191104	11/04/19	TO15	108-90-7	Chlorobenzene	0.32	J	0.22	0.83	ug/m3	J	sp	<PQL			
4402545421	RISG-25-15.0-20191104	11/04/19	TO15	87-68-3	Hexachlorobutadiene		U	1.4	9.6	ug/m3	UJ	c,l	ICV %D; LCS/LCSD %R	35.52; 60,-	30; 70-130	%; %
4402545421	RISG-25-15.0-20191104	11/04/19	TO15	64-17-5	Ethanol	0.84	J	0.36	1.7	ug/m3	J	sp	<PQL			
4402545421	RISG-25-15.0-20191104	11/04/19	TO15	541-73-1	1,3-Dichlorobenzene	2.0	J-	0.62	1.1	ug/m3	J-	c	CCV %D	31.67755	30	%
4402545421	RISG-25-15.0-20191104	11/04/19	TO15	591-78-6	2-Hexanone		U	0.31	3.7	ug/m3	UJ	c	ICAL %RSD	35.896	30	%
4402545421	RISG-25-15.0-20191104	11/04/19	TO15SIM	106-46-7	1,4-Dichlorobenzene	1.2	J-	0.15	0.22	ug/m3	J-	c,l	ICV %D; CCV %D; LCS/LCSD %R	32.83; 38.82477; 66,65	30; 70-130	%
4402545421	RISG-25-15.0-20191104	11/04/19	TO15SIM	74-87-3	Chloromethane	0.12	J	0.039	1.8	ug/m3	J	sp	<PQL			
4402545421	RISG-25-15.0-20191104	11/04/19	TO15SIM	107-06-2	1,2-Dichloroethane	0.046	J	0.029	0.14	ug/m3	J	sp	<PQL			
4402545421	RISG-25-15.0-20191104	11/04/19	TO15SIM	71-43-2	Benzene	0.15	J	0.046	0.29	ug/m3	J	sp	<PQL			
4402545421	RISG-25-15.0-20191104	11/04/19	TO15SIM	108-88-3	Toluene	0.30	J	0.044	0.34	ug/m3	J	sp	<PQL			
4402545421	RISG-25-15.0-20191104	11/04/19	TO15SIM	156-60-5	trans-1,2-Dichloroethene	0.029	J	0.023	0.71	ug/m3	J	sp	<PQL			
4402545421	RISG-25-15.0-20191104	11/04/19	TO15SIM	136777-61-2	m,p-xylene	0.27	J	0.016	0.31	ug/m3	J	sp	<PQL			
4402545421	RISG-25-15.0-20191104	11/04/19	TO15SIM	95-47-6	ortho-xylene	0.14	J	0.016	0.16	ug/m3	J	sp	<PQL			
4402545421	RISG-25-15.0-20191104	11/04/19	TO15SIM	100-41-4	Ethyl Benzene	0.072	J	0.021	0.16	ug/m3	J	sp	<PQL			
4402545421	RISG-25-15.0-20191104	11/04/19	TO15SIMVOL	100-41-4	Ethyl Benzene	0.017	J	0.0048	0.036	ppbv	J	sp	<PQL			

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator	Qualification Finding	Acceptance Criteria	
4402545421	RISG-25-15.0-20191104	11/04/19	TO15SIMVOL	108-88-3	Toluene	0.079	J	0.012	0.090	ppbv	J	sp	<PQL			
4402545421	RISG-25-15.0-20191104	11/04/19	TO15SIMVOL	74-87-3	Chloromethane	0.056	J	0.019	0.90	ppbv	J	sp	<PQL			
4402545421	RISG-25-15.0-20191104	11/04/19	TO15SIMVOL	106-46-7	1,4-Dichlorobenzene	0.20	J-	0.024	0.036	ppbv	J-	c,l	ICV %D; CCV %D; LCS/LCSD %R	32.83; 38.82477; 66,65	30; 70-130	%
4402545421	RISG-25-15.0-20191104	11/04/19	TO15SIMVOL	71-43-2	Benzene	0.046	J	0.014	0.090	ppbv	J	sp	<PQL			
4402545421	RISG-25-15.0-20191104	11/04/19	TO15SIMVOL	107-06-2	1,2-Dichloroethane	0.011	J	0.0071	0.036	ppbv	J	sp	<PQL			
4402545421	RISG-25-15.0-20191104	11/04/19	TO15SIMVOL	95-47-6	ortho-xylene	0.032	J	0.0037	0.036	ppbv	J	sp	<PQL			
4402545421	RISG-25-15.0-20191104	11/04/19	TO15SIMVOL	156-60-5	trans-1,2-Dichloroethene	0.0074	J	0.0057	0.18	ppbv	J	sp	<PQL			
4402545421	RISG-25-15.0-20191104	11/04/19	TO15SIMVOL	136777-61-2	m,p-xylene	0.063	J	0.0036	0.072	ppbv	J	sp	<PQL			
4402545421	RISG-25-15.0-20191104	11/04/19	TO15VOL	591-78-6	2-Hexanone		U	0.076	0.90	ppbv	UJ	c	ICAL %RSD	35.896	30	%
4402545421	RISG-25-15.0-20191104	11/04/19	TO15VOL	108-90-7	Chlorobenzene	0.069	J	0.048	0.18	ppbv	J	sp	<PQL			
4402545421	RISG-25-15.0-20191104	11/04/19	TO15VOL	95-50-1	1,2-Dichlorobenzene		UJ	0.12	0.18	ppbv	UJ	c	CCV %D	30.53607	30	%
4402545421	RISG-25-15.0-20191104	11/04/19	TO15VOL	100-44-7	Benzyl chloride		UJ	0.085	0.18	ppbv	UJ	c	CCV %D	33.54623	30	%
4402545421	RISG-25-15.0-20191104	11/04/19	TO15VOL	87-68-3	Hexachlorobutadiene		U	0.14	0.90	ppbv	UJ	c,l	ICV %D; LCS/LCSD %R	35.52; 60,-	30; 70-130	%; %
4402545421	RISG-25-15.0-20191104	11/04/19	TO15VOL	541-73-1	1,3-Dichlorobenzene	0.34	J-	0.1	0.18	ppbv	J-	c	CCV %D	31.67755	30	%
4402545421	RISG-25-15.0-20191104	11/04/19	TO15VOL	78-93-3	2-Butanone	0.33	J	0.1	0.90	ppbv	J	sp	<PQL			
4402545421	RISG-25-15.0-20191104	11/04/19	TO15VOL	64-17-5	Ethanol	0.45	J	0.19	0.90	ppbv	J	sp	<PQL			
4402545421	RISG-25-15.0-20191104	11/04/19	TO15VOL	120-82-1	1,2,4-Trichlorobenzene		U	0.16	0.90	ppbv	UJ	l	LCS/LCSD %R	60,-	70-130	%
4402545421	RISG-25-15.0-20191104	11/04/19	TO15VOL	75-09-2	Methylene Chloride	0.20	J	0.17	0.36	ppbv	J	sp	<PQL			
4402545421	RISG-26-5.0-20191105	11/05/19	TO15	96-12-8	1,2-Dibromo-3-chloropropane		U	8	170	ug/m3	UJ	c	ICAL %RSD	31.072	30	%
4402545421	RISG-26-5.0-20191105	11/05/19	TO15	91-20-3	Naphthalene		U	3.3	47	ug/m3	UJ	l	LCS/LCSD %R	67,68	70-130	%
4402545421	RISG-26-5.0-20191105	11/05/19	TO15	127-18-4	Tetrachloroethene	11	J	4.5	30	ug/m3	J	sp	<PQL			
4402545421	RISG-26-5.0-20191105	11/05/19	TO15	74-87-3	Chloromethane		UJ	7	93	ug/m3	UJ	c	CCV %D	31.92691	30	%
4402545421	RISG-26-5.0-20191105	11/05/19	TO15	64-17-5	Ethanol		U	7	34	ug/m3	UJ	l	LCS/LCSD %R	56,59	70-130	%
4402545421	RISG-26-5.0-20191105	11/05/19	TO15VOL	127-18-4	Tetrachloroethene	1.6	J	0.66	4.5	ppbv	J	sp	<PQL			
4402545421	RISG-26-5.0-20191105	11/05/19	TO15VOL	74-87-3	Chloromethane		UJ	3.4	45	ppbv	UJ	c	CCV %D	31.92691	30	%
4402545421	RISG-26-5.0-20191105	11/05/19	TO15VOL	64-17-5	Ethanol		U	3.7	18	ppbv	UJ	l	LCS/LCSD %R	56,59	70-130	%
4402545421	RISG-26-5.0-20191105	11/05/19	TO15VOL	96-12-8	1,2-Dibromo-3-chloropropane		U	0.83	18	ppbv	UJ	c	ICAL %RSD	31.072	30	%
4402545421	RISG-26-5.0-20191105	11/05/19	TO15VOL	91-20-3	Naphthalene		U	0.63	9.0	ppbv	UJ	l	LCS/LCSD %R	67,68	70-130	%
4402545421	RISG-26-15.0-20191105	11/05/19	TO15	64-17-5	Ethanol		UJ	37	60	ug/m3	UJ	c	CCV %D	31.22723	30	%
4402545421	RISG-26-15.0-20191105	11/05/19	TO15	75-69-4	Trichlorofluoromethane	20	J	6.8	44	ug/m3	J	sp	<PQL			
4402545421	RISG-26-15.0-20191105	11/05/19	TO15VOL	64-17-5	Ethanol		UJ	20	32	ppbv	UJ	c	CCV %D	31.22723	30	%
4402545421	RISG-26-15.0-20191105	11/05/19	TO15VOL	75-69-4	Trichlorofluoromethane	3.5	J	1.2	7.9	ppbv	J	sp	<PQL			
4402545421	RISG-29-5.0-20191108	11/08/19	TO15	75-27-4	Bromodichloromethane	2.2	J	1.5	4.1	ug/m3	J	sp	<PQL			
4402545421	RISG-29-5.0-20191108	11/08/19	TO15	87-68-3	Hexachlorobutadiene		U	4.9	32	ug/m3	UJ	c,l	ICV %D; LCS/LCSD %R	35.52; 60,-	30; 70-130	%; %
4402545421	RISG-29-5.0-20191108	11/08/19	TO15	64-17-5	Ethanol	3.4	J	1.2	5.7	ug/m3	J	sp	<PQL			
4402545421	RISG-29-5.0-20191108	11/08/19	TO15	67-64-1	Acetone	12	J	4	14	ug/m3	J	sp	<PQL			
4402545421	RISG-29-5.0-20191108	11/08/19	TO15	120-82-1	1,2,4-Trichlorobenzene		U	4	23	ug/m3	UJ	l	LCS/LCSD %R	60,-	70-130	%
4402545421	RISG-29-5.0-20191108	11/08/19	TO15	78-93-3	2-Butanone	2.1	J	1	9.0	ug/m3	J	sp	<PQL			
4402545421	RISG-29-5.0-20191108	11/08/19	TO15	591-78-6	2-Hexanone		U	1.1	12	ug/m3	UJ	c	ICAL %RSD	35.896	30	%
4402545421	RISG-29-5.0-20191108	11/08/19	TO15	75-69-4	Trichlorofluoromethane	1.2	J	0.6	3.4	ug/m3	J	sp	<PQL			
4402545421	RISG-29-5.0-20191108	11/08/19	TO15	541-73-1	1,3-Dichlorobenzene		UJ	2.1	3.7	ug/m3	UJ	c	CCV %D	31.67755	30	%
4402545421	RISG-29-5.0-20191108	11/08/19	TO15	100-44-7	Benzyl chloride		UJ	1.5	3.2	ug/m3	UJ	c	CCV %D	33.54623	30	%
4402545421	RISG-29-5.0-20191108	11/08/19	TO15	95-50-1	1,2-Dichlorobenzene		UJ	2.5	3.7	ug/m3	UJ	c	CCV %D	30.53607	30	%
4402545421	RISG-29-5.0-20191108	11/08/19	TO15SIM	100-41-4	Ethyl Benzene	0.18	J	0.07	0.53	ug/m3	J	sp	<PQL			
4402545421	RISG-29-5.0-20191108	11/08/19	TO15SIM	95-47-6	ortho-xylene	0.32	J	0.054	0.53	ug/m3	J	sp	<PQL			
4402545421	RISG-29-5.0-20191108	11/08/19	TO15SIM	136777-61-2	m,p-xylene	0.79	J	0.054	1.0	ug/m3	J	sp	<PQL			
4402545421	RISG-29-5.0-20191108	11/08/19	TO15SIM	75-34-3	1,1-Dichloroethane	0.25	J	0.082	0.49	ug/m3	J	sp	<PQL			
4402545421	RISG-29-5.0-20191108	11/08/19	TO15SIM	106-46-7	1,4-Dichlorobenzene		UJ	0.5	0.73	ug/m3	UJ	c,l	ICV %D; CCV %D; LCS/LCSD %R	32.83; 38.82477; 66,65	30; 70-130	%
4402545421	RISG-29-5.0-20191108	11/08/19	TO15SIM	74-87-3	Chloromethane	0.15	J	0.13	6.3	ug/m3	J	sp	<PQL			
4402545421	RISG-29-5.0-20191108	11/08/19	TO15SIM	108-88-3	Toluene	0.70	J	0.15	1.1	ug/m3	J	sp	<PQL			
4402545421	RISG-29-5.0-20191108	11/08/19	TO15SIMVOL	106-46-7	1,4-Dichlorobenzene		UJ	0.082	0.12	ppbv	UJ	c,l	ICV %D; CCV %D; LCS/LCSD %R	32.83; 38.82477; 66,65	30; 70-130	%
4402545421	RISG-29-5.0-20191108	11/08/19	TO15SIMVOL	136777-61-2	m,p-xylene	0.18	J	0.012	0.24	ppbv	J	sp	<PQL			
4402545421	RISG-29-5.0-20191108	11/08/19	TO15SIMVOL	108-88-3	Toluene	0.18	J	0.039	0.30	ppbv	J	sp	<PQL			
4402545421	RISG-29-5.0-20191108	11/08/19	TO15SIMVOL	74-87-3	Chloromethane	0.072	J	0.064	3.0	ppbv	J	sp	<PQL			
4402545421	RISG-29-5.0-20191108	11/08/19	TO15SIMVOL	100-41-4	Ethyl Benzene	0.042	J	0.016	0.12	ppbv	J	sp	<PQL			
4402545421	RISG-29-5.0-20191108	11/08/19	TO15SIMVOL	75-34-3	1,1-Dichloroethane	0.062	J	0.02	0.12	ppbv	J	sp	<PQL			
4402545421	RISG-29-5.0-20191108	11/08/19	TO15SIMVOL	95-47-6	ortho-xylene	0.074	J	0.012	0.12	ppbv	J	sp	<PQL			
4402545421	RISG-29-5.0-20191108	11/08/19	TO15VOL	75-69-4	Trichlorofluoromethane	0.22	J	0.11	0.61	ppbv	J	sp	<PQL			
4402545421	RISG-29-5.0-20191108	11/08/19	TO15VOL	120-82-1	1,2,4-Trichlorobenzene		U	0.54	3.0	ppbv	UJ	l	LCS/LCSD %R	60,-	70-130	%
4402545421	RISG-29-5.0-20191108	11/08/19	TO15VOL	78-93-3	2-Butanone	0.70	J	0.34	3.0	ppbv	J	sp	<PQL			
4402545421	RISG-29-5.0-20191108	11/08/19	TO15VOL	67-64-1	Acetone	5.2	J	1.7	6.1	ppbv	J	sp	<PQL			
4402545421	RISG-29-5.0-20191108	11/08/19	TO15VOL	591-78-6	2-Hexanone		U	0.26	3.0	ppbv	UJ	c	ICAL %RSD	35.896	30	%
4402545421	RISG-29-5.0-20191108	11/08/19	TO15VOL	87-68-3	Hexachlorobutadiene		U	0.46	3.0	ppbv	UJ	c,l	ICV %D; LCS/LCSD %R	35.52; 60,-	30; 70-130	%; %
4402545421	RISG-29-5.0-20191108	11/08/19	TO15VOL	64-17-5	Ethanol	1.8	J	0.65	3.0	ppbv	J	sp	<PQL			
4402545421	RISG-29-5.0-20191108	11/08/19	TO15VOL	75-27-4	Bromodichloromethane	0.34	J	0.22	0.61	ppbv	J	sp	<PQL			
4402545421	RISG-29-5.0-20191108	11/08/19	TO15VOL	95-50-1	1,2-Dichlorobenzene		UJ	0.41	0.61	ppbv	UJ	c	CCV %D	30.53607	30	%

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator	Qualification Finding	Acceptance Criteria	
4402545421	RISG-29-5.0-20191108	11/08/19	TO15VOL	100-44-7	Benzyl chloride		UJ	0.29	0.61	ppbv	UJ	c	CCV %D	33.54623	30	%
4402545421	RISG-29-5.0-20191108	11/08/19	TO15VOL	541-73-1	1,3-Dichlorobenzene		UJ	0.35	0.61	ppbv	UJ	c	CCV %D	31.67755	30	%
4402545421	RISG-29-15.0-20191108	11/08/19	TO15	75-27-4	Bromodichloromethane	6.4	J	4	11	ug/m3	J	sp	<PQL			
4402545421	RISG-29-15.0-20191108	11/08/19	TO15	87-68-3	Hexachlorobutadiene		U	13	85	ug/m3	UJ	c,l	ICV %D; LCS/LCSD %R	35.52; 60,-	30; 70-130	%; %
4402545421	RISG-29-15.0-20191108	11/08/19	TO15	120-82-1	1,2,4-Trichlorobenzene		U	10	59	ug/m3	UJ	l	LCS/LCSD %R	60,-	70-130	%
4402545421	RISG-29-15.0-20191108	11/08/19	TO15	100-44-7	Benzyl chloride		UJ	3.9	8.3	ug/m3	UJ	c	CCV %D	33.54623	30	%
4402545421	RISG-29-15.0-20191108	11/08/19	TO15	591-78-6	2-Hexanone		U	2.8	33	ug/m3	UJ	c	ICAL %RSD	35.896	30	%
4402545421	RISG-29-15.0-20191108	11/08/19	TO15	95-50-1	1,2-Dichlorobenzene		UJ	6.5	9.6	ug/m3	UJ	c	CCV %D	30.53607	30	%
4402545421	RISG-29-15.0-20191108	11/08/19	TO15	541-73-1	1,3-Dichlorobenzene		UJ	5.5	9.6	ug/m3	UJ	c	CCV %D	31.67755	30	%
4402545421	RISG-29-15.0-20191108	11/08/19	TO15SIM	75-34-3	1,1-Dichloroethane	0.75	J	0.22	1.3	ug/m3	J	sp	<PQL			
4402545421	RISG-29-15.0-20191108	11/08/19	TO15SIM	95-47-6	ortho-xylene	0.32	J	0.14	1.4	ug/m3	J	sp	<PQL			
4402545421	RISG-29-15.0-20191108	11/08/19	TO15SIM	136777-61-2	m,p-xylene	0.83	J	0.14	2.8	ug/m3	J	sp	<PQL			
4402545421	RISG-29-15.0-20191108	11/08/19	TO15SIM	106-46-7	1,4-Dichlorobenzene		UJ	1.3	1.9	ug/m3	UJ	c,l	ICV %D; CCV %D; LCS/LCSD %R	32.83; 38.82477; 66,65	30; 70-130	%
4402545421	RISG-29-15.0-20191108	11/08/19	TO15SIM	108-88-3	Toluene	0.68	J	0.39	3.0	ug/m3	J	sp	<PQL			
4402545421	RISG-29-15.0-20191108	11/08/19	TO15SIMVOL	108-88-3	Toluene	0.18	J	0.1	0.80	ppbv	J	sp	<PQL			
4402545421	RISG-29-15.0-20191108	11/08/19	TO15SIMVOL	106-46-7	1,4-Dichlorobenzene		UJ	0.22	0.32	ppbv	UJ	c,l	ICV %D; CCV %D; LCS/LCSD %R	32.83; 38.82477; 66,65	30; 70-130	%
4402545421	RISG-29-15.0-20191108	11/08/19	TO15SIMVOL	75-34-3	1,1-Dichloroethane	0.18	J	0.053	0.32	ppbv	J	sp	<PQL			
4402545421	RISG-29-15.0-20191108	11/08/19	TO15SIMVOL	95-47-6	ortho-xylene	0.074	J	0.033	0.32	ppbv	J	sp	<PQL			
4402545421	RISG-29-15.0-20191108	11/08/19	TO15SIMVOL	136777-61-2	m,p-xylene	0.19	J	0.032	0.64	ppbv	J	sp	<PQL			
4402545421	RISG-29-15.0-20191108	11/08/19	TO15VOL	541-73-1	1,3-Dichlorobenzene		UJ	0.92	1.6	ppbv	UJ	c	CCV %D	31.67755	30	%
4402545421	RISG-29-15.0-20191108	11/08/19	TO15VOL	100-44-7	Benzyl chloride		UJ	0.76	1.6	ppbv	UJ	c	CCV %D	33.54623	30	%
4402545421	RISG-29-15.0-20191108	11/08/19	TO15VOL	95-50-1	1,2-Dichlorobenzene		UJ	1.1	1.6	ppbv	UJ	c	CCV %D	30.53607	30	%
4402545421	RISG-29-15.0-20191108	11/08/19	TO15VOL	591-78-6	2-Hexanone		U	0.68	8.0	ppbv	UJ	c	ICAL %RSD	35.896	30	%
4402545421	RISG-29-15.0-20191108	11/08/19	TO15VOL	87-68-3	Hexachlorobutadiene		U	1.2	8.0	ppbv	UJ	c,l	ICV %D; LCS/LCSD %R	35.52; 60,-	30; 70-130	%; %
4402545421	RISG-29-15.0-20191108	11/08/19	TO15VOL	120-82-1	1,2,4-Trichlorobenzene		U	1.4	8.0	ppbv	UJ	l	LCS/LCSD %R	60,-	70-130	%
4402545421	RISG-29-15.0-20191108	11/08/19	TO15VOL	75-27-4	Bromodichloromethane	0.96	J	0.59	1.6	ppbv	J	sp	<PQL			
4402555951	RISG-81-5.0-20191118	11/18/19	TO15	64-17-5	Ethanol	5.0	J J-	3.8	17	ug/m3	J-	c,sp	CCV %D; <PQL	31.18652	30	%
4402555951	RISG-81-5.0-20191118	11/18/19	TO15	67-64-1	Acetone	17	J	6.1	42	ug/m3	J	sp	<PQL			
4402555951	RISG-81-5.0-20191118	11/18/19	TO15	75-15-0	Carbon Disulfide	17	J	4.9	28	ug/m3	J	sp	<PQL			
4402555951	RISG-81-5.0-20191118	11/18/19	TO15	108-90-7	Chlorobenzene	1.3	J	0.7	8.2	ug/m3	J	sp	<PQL			
4402555951	RISG-81-5.0-20191118	11/18/19	TO15	541-73-1	1,3-Dichlorobenzene	3.9	J	2.3	11	ug/m3	J	sp	<PQL			
4402555951	RISG-81-5.0-20191118	11/18/19	TO15	75-27-4	Bromodichloromethane	2.5	J	1.9	12	ug/m3	J	sp	<PQL			
4402555951	RISG-81-5.0-20191118	11/18/19	TO15	75-69-4	Trichlorofluoromethane	1.3	J	1.2	10	ug/m3	J	sp	<PQL			
4402555951	RISG-81-5.0-20191118	11/18/19	TO15SIM	56-23-5	Carbon Tetrachloride	1.6	J	0.67	2.2	ug/m3	J	sp	<PQL			
4402555951	RISG-81-5.0-20191118	11/18/19	TO15SIM	75-71-8	Dichlorodifluoromethane	1.8	J-	0.11	1.8	ug/m3	J-	c,l	CCV %D; LCS/LCSD %R	37.33677; 63,65	30; 70-130	%
4402555951	RISG-81-5.0-20191118	11/18/19	TO15SIM	74-87-3	Chloromethane		UJ	1.4	18	ug/m3	UJ	c,l	CCV %D; LCS/LCSD %R	31.45794; 69,-	30; 70-130	%
4402555951	RISG-81-5.0-20191118	11/18/19	TO15SIM	75-35-4	1,1-Dichloroethene	0.53	J	0.16	0.71	ug/m3	J	sp	<PQL			
4402555951	RISG-81-5.0-20191118	11/18/19	TO15SIM	79-01-6	Trichloroethene	1.5	J	0.08	1.9	ug/m3	J	sp	<PQL			
4402555951	RISG-81-5.0-20191118	11/18/19	TO15SIM	75-34-3	1,1-Dichloroethane	0.14	J	0.077	1.4	ug/m3	J	sp	<PQL			
4402555951	RISG-81-5.0-20191118	11/18/19	TO15SIM	75-00-3	Chloroethane	0.21	J	0.14	2.4	ug/m3	J	sp	<PQL			
4402555951	RISG-81-5.0-20191118	11/18/19	TO15SIM	107-06-2	1,2-Dichloroethane	0.21	J	0.089	1.4	ug/m3	J	bl,bb,sp	blank contamination below PQL; <PQL	0.0068	0.0136	ug/m³
4402555951	RISG-81-5.0-20191118	11/18/19	TO15SIM	71-43-2	Benzene	2.6	J	0.19	2.8	ug/m3	J	bl,bb,sp	blank contamination below PQL; <PQL	0.046	0.092	ug/m³
4402555951	RISG-81-5.0-20191118	11/18/19	TO15SIMVOL	75-00-3	Chloroethane	0.080	J	0.052	0.90	ppbv	J	sp	<PQL			
4402555951	RISG-81-5.0-20191118	11/18/19	TO15SIMVOL	75-35-4	1,1-Dichloroethene	0.13	J	0.041	0.18	ppbv	J	sp	<PQL			
4402555951	RISG-81-5.0-20191118	11/18/19	TO15SIMVOL	56-23-5	Carbon Tetrachloride	0.25	J	0.11	0.36	ppbv	J	sp	<PQL			
4402555951	RISG-81-5.0-20191118	11/18/19	TO15SIMVOL	79-01-6	Trichloroethene	0.27	J	0.015	0.36	ppbv	J	sp	<PQL			
4402555951	RISG-81-5.0-20191118	11/18/19	TO15SIMVOL	74-87-3	Chloromethane		UJ	0.67	9.0	ppbv	UJ	c,l	CCV %D; LCS/LCSD %R	31.45794; 69,-	30; 70-130	%
4402555951	RISG-81-5.0-20191118	11/18/19	TO15SIMVOL	71-43-2	Benzene	0.81	J	0.06	0.90	ppbv	J	bl,bb,sp	blank contamination below PQL; <PQL	0.046	0.092	ug/m³
4402555951	RISG-81-5.0-20191118	11/18/19	TO15SIMVOL	75-34-3	1,1-Dichloroethane	0.034	J	0.019	0.36	ppbv	J	sp	<PQL			
4402555951	RISG-81-5.0-20191118	11/18/19	TO15SIMVOL	107-06-2	1,2-Dichloroethane	0.051	J	0.022	0.36	ppbv	J	bl,bb,sp	blank contamination below PQL; <PQL	0.0068	0.0136	ug/m³
4402555951	RISG-81-5.0-20191118	11/18/19	TO15SIMVOL	75-71-8	Dichlorodifluoromethane	0.37	J-	0.023	0.36	ppbv	J-	c,l	CCV %D; LCS/LCSD %R	37.33677; 63,65	30; 70-130	%
4402555951	RISG-81-5.0-20191118	11/18/19	TO15VOL	75-15-0	Carbon Disulfide	5.5	J	1.6	9.0	ppbv	J	sp	<PQL			
4402555951	RISG-81-5.0-20191118	11/18/19	TO15VOL	541-73-1	1,3-Dichlorobenzene	0.65	J	0.38	1.8	ppbv	J	sp	<PQL			
4402555951	RISG-81-5.0-20191118	11/18/19	TO15VOL	75-69-4	Trichlorofluoromethane	0.24	J	0.21	1.8	ppbv	J	sp	<PQL			
4402555951	RISG-81-5.0-20191118	11/18/19	TO15VOL	108-90-7	Chlorobenzene	0.29	J	0.15	1.8	ppbv	J	sp	<PQL			
4402555951	RISG-81-5.0-20191118	11/18/19	TO15VOL	64-17-5	Ethanol	2.6	J J-	2	9.0	ppbv	J-	c,sp	CCV %D; <PQL	31.18652	30	%
4402555951	RISG-81-5.0-20191118	11/18/19	TO15VOL	75-27-4	Bromodichloromethane	0.37	J	0.29	1.8	ppbv	J	sp	<PQL			
4402555951	RISG-81-5.0-20191118	11/18/19	TO15VOL	67-64-1	Acetone	7.3	J	2.6	18	ppbv	J	sp	<PQL			
4402555951	RISG-81-14.0-20191118	11/18/19	TO15	75-15-0	Carbon Disulfide	3.9	J	1.6	9.1	ug/m3	J	sp	<PQL			
4402555951	RISG-81-14.0-20191118	11/18/19	TO15	64-17-5	Ethanol	8.7	J-	1.2	5.5	ug/m3	J-	c	CCV %D	31.18652	30	%
4402555951	RISG-81-14.0-20191118	11/18/19	TO15	622-96-8	4-Ethyltoluene	0.41	J	0.32	2.9	ug/m3	J	sp	<PQL			
4402555951	RISG-81-14.0-20191118	11/18/19	TO15	75-69-4	Trichlorofluoromethane	1.2	J	0.38	3.3	ug/m3	J	sp	<PQL			
4402555951	RISG-81-14.0-20191118	11/18/19	TO15	75-27-4	Bromodichloromethane	0.83	J	0.64	3.9	ug/m3	J	sp	<PQL			
4402555951	RISG-81-14.0-20191118	11/18/19	TO15	120-82-1	1,2,4-Trichlorobenzene	6.9	J	4.3	22	ug/m3	J	bl,bb,sp	blank contamination below PQL; <PQL	0.86	1.72	ug/m³
4402555951	RISG-81-14.0-20191118	11/18/19	TO15	108-90-7	Chlorobenzene	1.0	J	0.23	2.7	ug/m3	J	sp	<PQL			
4402555951	RISG-81-14.0-20191118	11/18/19	TO15	95-63-6	1,2,4-Trimethylbenzene	0.79	J	0.21	2.9	ug/m3	J	sp	<PQL			

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator	Qualification Finding	Acceptance Criteria	
4402555951	RISG-81-14.0-20191118	11/18/19	TO15	95-50-1	1,2-Dichlorobenzene	1.0	J	0.53	3.5	ug/m3	J	sp	<PQL			
4402555951	RISG-81-14.0-20191118	11/18/19	TO15	109-99-9	Tetrahydrofuran	1.9	J	1.2	8.6	ug/m3	J	sp	<PQL			
4402555951	RISG-81-14.0-20191118	11/18/19	TO15	87-68-3	Hexachlorobutadiene	14	J	4.5	31	ug/m3	J	sp	<PQL			
4402555951	RISG-81-14.0-20191118	11/18/19	TO15	108-10-1	4-Methyl-2-pentanone	0.20	J	0.17	2.4	ug/m3	J	sp	<PQL			
4402555951	RISG-81-14.0-20191118	11/18/19	TO15SIM	75-71-8	Dichlorodifluoromethane	1.6	J-	0.037	0.58	ug/m3	J-	c,l	CCV %D; LCS/LCSD %R	37.33677; 63,65	30; 70-130	%
4402555951	RISG-81-14.0-20191118	11/18/19	TO15SIM	107-06-2	1,2-Dichloroethane	0.21	J	0.029	0.48	ug/m3	J	bl,bb,sp	blank contamination below PQL; <PQL	0.0068	0.0136	ug/m³
4402555951	RISG-81-14.0-20191118	11/18/19	TO15SIM	75-34-3	1,1-Dichloroethane	0.42	J	0.025	0.48	ug/m3	J	sp	<PQL			
4402555951	RISG-81-14.0-20191118	11/18/19	TO15SIM	106-46-7	1,4-Dichlorobenzene	0.60	J	0.38	0.70	ug/m3	J	bl,bb,sp	blank contamination below PQL; <PQL	0.072	0.144	ug/m³
4402555951	RISG-81-14.0-20191118	11/18/19	TO15SIM	74-87-3	Chloromethane		UJ	0.46	6.1	ug/m3	UJ	c,l	CCV %D; LCS/LCSD %R	31.45794; 69,-	30; 70-130	%
4402555951	RISG-81-14.0-20191118	11/18/19	TO15SIM	136777-61-2	m,p-xylene	0.82	J	0.03	1.0	ug/m3	J	bl,bb,sp	blank contamination below PQL; <PQL	0.041	0.082	ug/m³
4402555951	RISG-81-14.0-20191118	11/18/19	TO15SIM	75-00-3	Chloroethane	0.14	J	0.045	0.77	ug/m3	J	sp	<PQL			
4402555951	RISG-81-14.0-20191118	11/18/19	TO15SIM	95-47-6	ortho-xylene	0.33	J	0.025	0.51	ug/m3	J	bl,bb,sp	blank contamination below PQL; <PQL	0.015	0.03	ug/m³
4402555951	RISG-81-14.0-20191118	11/18/19	TO15SIM	91-20-3	Naphthalene	0.84	J	0.47	1.5	ug/m3	J	sp	<PQL			
4402555951	RISG-81-14.0-20191118	11/18/19	TO15SIM	100-41-4	Ethyl Benzene	0.26	J	0.03	0.51	ug/m3	J	bl,bb,sp	blank contamination below PQL; <PQL	0.019	0.038	ug/m³
4402555951	RISG-81-14.0-20191118	11/18/19	TO15SIMVOL	136777-61-2	m,p-xylene	0.19	J	0.007	0.23	ppbv	J	bl,bb,sp	blank contamination below PQL; <PQL	0.041	0.082	ug/m³
4402555951	RISG-81-14.0-20191118	11/18/19	TO15SIMVOL	75-00-3	Chloroethane	0.053	J	0.017	0.29	ppbv	J	sp	<PQL			
4402555951	RISG-81-14.0-20191118	11/18/19	TO15SIMVOL	75-34-3	1,1-Dichloroethane	0.10	J	0.0062	0.12	ppbv	J	sp	<PQL			
4402555951	RISG-81-14.0-20191118	11/18/19	TO15SIMVOL	106-46-7	1,4-Dichlorobenzene	0.10	J	0.063	0.12	ppbv	J	bl,bb,sp	blank contamination below PQL; <PQL	0.072	0.144	ug/m³
4402555951	RISG-81-14.0-20191118	11/18/19	TO15SIMVOL	74-87-3	Chloromethane		UJ	0.22	2.9	ppbv	UJ	c,l	CCV %D; LCS/LCSD %R	31.45794; 69,-	30; 70-130	%
4402555951	RISG-81-14.0-20191118	11/18/19	TO15SIMVOL	91-20-3	Naphthalene	0.16	J	0.089	0.29	ppbv	J	sp	<PQL			
4402555951	RISG-81-14.0-20191118	11/18/19	TO15SIMVOL	107-06-2	1,2-Dichloroethane	0.052	J	0.0072	0.12	ppbv	J	bl,bb,sp	blank contamination below PQL; <PQL	0.0068	0.0136	ug/m³
4402555951	RISG-81-14.0-20191118	11/18/19	TO15SIMVOL	100-41-4	Ethyl Benzene	0.060	J	0.0068	0.12	ppbv	J	bl,bb,sp	blank contamination below PQL; <PQL	0.019	0.038	ug/m³
4402555951	RISG-81-14.0-20191118	11/18/19	TO15SIMVOL	75-71-8	Dichlorodifluoromethane	0.33	J-	0.0074	0.12	ppbv	J-	c,l	CCV %D; LCS/LCSD %R	37.33677; 63,65	30; 70-130	%
4402555951	RISG-81-14.0-20191118	11/18/19	TO15SIMVOL	95-47-6	ortho-xylene	0.076	J	0.0059	0.12	ppbv	J	bl,bb,sp	blank contamination below PQL; <PQL	0.015	0.03	ug/m³
4402555951	RISG-81-14.0-20191118	11/18/19	TO15VOL	87-68-3	Hexachlorobutadiene	1.3	J	0.42	2.9	ppbv	J	sp	<PQL			
4402555951	RISG-81-14.0-20191118	11/18/19	TO15VOL	108-90-7	Chlorobenzene	0.22	J	0.05	0.59	ppbv	J	sp	<PQL			
4402555951	RISG-81-14.0-20191118	11/18/19	TO15VOL	109-99-9	Tetrahydrofuran	0.64	J	0.42	2.9	ppbv	J	sp	<PQL			
4402555951	RISG-81-14.0-20191118	11/18/19	TO15VOL	95-50-1	1,2-Dichlorobenzene	0.17	J	0.089	0.59	ppbv	J	sp	<PQL			
4402555951	RISG-81-14.0-20191118	11/18/19	TO15VOL	108-10-1	4-Methyl-2-pentanone	0.048	J	0.041	0.59	ppbv	J	sp	<PQL			
4402555951	RISG-81-14.0-20191118	11/18/19	TO15VOL	75-15-0	Carbon Disulfide	1.2	J	0.51	2.9	ppbv	J	sp	<PQL			
4402555951	RISG-81-14.0-20191118	11/18/19	TO15VOL	75-27-4	Bromodichloromethane	0.12	J	0.095	0.59	ppbv	J	sp	<PQL			
4402555951	RISG-81-14.0-20191118	11/18/19	TO15VOL	120-82-1	1,2,4-Trichlorobenzene	0.93	J	0.58	2.9	ppbv	J	bl,bb,sp	blank contamination below PQL; <PQL	0.86	1.72	ug/m³
4402555951	RISG-81-14.0-20191118	11/18/19	TO15VOL	64-17-5	Ethanol	4.6	J-	0.66	2.9	ppbv	J-	c	CCV %D	31.18652	30	%
4402555951	RISG-81-14.0-20191118	11/18/19	TO15VOL	95-63-6	1,2,4-Trimethylbenzene	0.16	J	0.043	0.59	ppbv	J	sp	<PQL			
4402555951	RISG-81-14.0-20191118	11/18/19	TO15VOL	75-69-4	Trichlorofluoromethane	0.22	J	0.068	0.59	ppbv	J	sp	<PQL			
4402555951	RISG-81-14.0-20191118	11/18/19	TO15VOL	622-96-8	4-Ethyltoluene	0.083	J	0.064	0.59	ppbv	J	sp	<PQL			
4402555951	RISG-82-5.0-20191118	11/18/19	TO15	75-69-4	Trichlorofluoromethane	2.1	J	1.7	22	ug/m3	J	sp	<PQL			
4402555951	RISG-82-5.0-20191118	11/18/19	TO15	136777-61-2	m,p-xylene	4.8	J	2	17	ug/m3	J	sp	<PQL			
4402555951	RISG-82-5.0-20191118	11/18/19	TO15	67-64-1	Acetone	25	J	15	92	ug/m3	J	sp	<PQL			
4402555951	RISG-82-5.0-20191118	11/18/19	TO15	75-35-4	1,1-Dichloroethene	15	J	4.6	15	ug/m3	J	sp	<PQL			
4402555951	RISG-82-5.0-20191118	11/18/19	TO15	108-88-3	Toluene	10	J	1.5	15	ug/m3	J	sp	<PQL			
4402555951	RISG-82-5.0-20191118	11/18/19	TO15	109-99-9	Tetrahydrofuran	6.8	J	4.1	11	ug/m3	J	sp	<PQL			
4402555951	RISG-82-5.0-20191118	11/18/19	TO15	108-90-7	Chlorobenzene	2.0	J	1.8	18	ug/m3	J	sp	<PQL			
4402555951	RISG-82-5.0-20191118	11/18/19	TO15	110-82-7	Cyclohexane	2.4	J	2.1	13	ug/m3	J	sp	<PQL			
4402555951	RISG-82-5.0-20191118	11/18/19	TO15	75-15-0	Carbon Disulfide	15	J	7.2	48	ug/m3	J	sp	<PQL			
4402555951	RISG-82-5.0-20191118	11/18/19	TO15VOL	109-99-9	Tetrahydrofuran	2.3	J	1.4	3.9	ppbv	J	sp	<PQL			
4402555951	RISG-82-5.0-20191118	11/18/19	TO15VOL	75-15-0	Carbon Disulfide	5.0	J	2.3	16	ppbv	J	sp	<PQL			
4402555951	RISG-82-5.0-20191118	11/18/19	TO15VOL	75-35-4	1,1-Dichloroethene	3.7	J	1.2	3.9	ppbv	J	sp	<PQL			
4402555951	RISG-82-5.0-20191118	11/18/19	TO15VOL	75-69-4	Trichlorofluoromethane	0.37	J	0.31	3.9	ppbv	J	sp	<PQL			
4402555951	RISG-82-5.0-20191118	11/18/19	TO15VOL	108-88-3	Toluene	2.7	J	0.39	3.9	ppbv	J	sp	<PQL			
4402555951	RISG-82-5.0-20191118	11/18/19	TO15VOL	110-82-7	Cyclohexane	0.70	J	0.62	3.9	ppbv	J	sp	<PQL			
4402555951	RISG-82-5.0-20191118	11/18/19	TO15VOL	108-90-7	Chlorobenzene	0.44	J	0.39	3.9	ppbv	J	sp	<PQL			
4402555951	RISG-82-5.0-20191118	11/18/19	TO15VOL	136777-61-2	m,p-xylene	1.1	J	0.46	3.9	ppbv	J	sp	<PQL			
4402555951	RISG-82-5.0-20191118	11/18/19	TO15VOL	67-64-1	Acetone	10	J	6.2	39	ppbv	J	sp	<PQL			
4402555951	RISG-82-15.0-20191118	11/18/19	TO15	67-64-1	Acetone	54	J	32	200	ug/m3	J	sp	<PQL			
4402555951	RISG-82-15.0-20191118	11/18/19	TO15	71-43-2	Benzene	5.3	J	4.9	27	ug/m3	J	sp	<PQL			
4402555951	RISG-82-15.0-20191118	11/18/19	TO15	108-88-3	Toluene	7.4	J	3.2	32	ug/m3	J	sp	<PQL			
4402555951	RISG-82-15.0-20191118	11/18/19	TO15VOL	108-88-3	Toluene	2.0	J	0.85	8.5	ppbv	J	sp	<PQL			
4402555951	RISG-82-15.0-20191118	11/18/19	TO15VOL	71-43-2	Benzene	1.7	J	1.5	8.5	ppbv	J	sp	<PQL			
4402555951	RISG-82-15.0-20191118	11/18/19	TO15VOL	67-64-1	Acetone	23	J	14	85	ppbv	J	sp	<PQL			
4402555951	RISG-85-5.0-20191119	11/19/19	TO15	75-15-0	Carbon Disulfide	14	J	4.6	26	ug/m3	J	sp	<PQL			
4402555951	RISG-85-5.0-20191119	11/19/19	TO15	64-17-5	Ethanol	8.7	J J-	3.6	16	ug/m3	J-	c,sp	CCV %D; <PQL	31.18652	30	%
4402555951	RISG-85-5.0-20191119	11/19/19	TO15	75-69-4	Trichlorofluoromethane	1.3	J	1.1	9.6	ug/m3	J	sp	<PQL			
4402555951	RISG-85-5.0-20191119	11/19/19	TO15	75-27-4	Bromodichloromethane	5.5	J	1.8	11	ug/m3	J	sp	<PQL			
4402555951	RISG-85-5.0-20191119	11/19/19	TO15	67-64-1	Acetone	31	J	5.8	40	ug/m3	J	sp	<PQL			
4402555951	RISG-85-5.0-20191119	11/19/19	TO15	124-48-1	Dibromochloromethane	1.5	J	1.4	14	ug/m3	J	sp	<PQL			

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator	Qualification Finding	Acceptance Criteria	
4402555951	RISG-85-5.0-20191119	11/19/19	TO15	95-63-6	1,2,4-Trimethylbenzene	0.63	J	0.61	8.4	ug/m3	J	sp	<PQL			
4402555951	RISG-85-5.0-20191119	11/19/19	TO15SIM	75-00-3	Chloroethane	0.27	J	0.13	2.2	ug/m3	J	sp	<PQL			
4402555951	RISG-85-5.0-20191119	11/19/19	TO15SIM	75-71-8	Dichlorodifluoromethane	1.8	J-	0.11	1.7	ug/m3	J-	c,l	CCV %D; LCS/LCSD %R	37.33677; 63,65	30; 70-130	%
4402555951	RISG-85-5.0-20191119	11/19/19	TO15SIM	75-34-3	1,1-Dichloroethane	0.81	J	0.073	1.4	ug/m3	J	sp	<PQL			
4402555951	RISG-85-5.0-20191119	11/19/19	TO15SIM	100-41-4	Ethyl Benzene	0.74	J	0.086	1.5	ug/m3	J	bl,bb,sp	blank contamination below PQL; <PQL	0.019	0.038	ug/m³
4402555951	RISG-85-5.0-20191119	11/19/19	TO15SIM	136777-61-2	m,p-xylene	1.3	J	0.088	3.0	ug/m3	J	bl,bb,sp	blank contamination below PQL; <PQL	0.041	0.082	ug/m³
4402555951	RISG-85-5.0-20191119	11/19/19	TO15SIM	74-87-3	Chloromethane		UJ	1.3	18	ug/m3	UJ	c,l	CCV %D; LCS/LCSD %R	31.45794; 69,-	30; 70-130	%
4402555951	RISG-85-5.0-20191119	11/19/19	TO15SIM	95-47-6	ortho-xylene	1.1	J	0.074	1.5	ug/m3	J	bl,bb,sp	blank contamination below PQL; <PQL	0.015	0.03	ug/m³
4402555951	RISG-85-5.0-20191119	11/19/19	TO15SIM	71-43-2	Benzene	2.1	J	0.18	2.7	ug/m3	J	bl,bb,sp	blank contamination below PQL; <PQL	0.046	0.092	ug/m³
4402555951	RISG-85-5.0-20191119	11/19/19	TO15SIMVOL	95-47-6	ortho-xylene	0.26	J	0.017	0.34	ppbv	J	bl,bb,sp	blank contamination below PQL; <PQL	0.015	0.03	ug/m³
4402555951	RISG-85-5.0-20191119	11/19/19	TO15SIMVOL	75-00-3	Chloroethane	0.10	J	0.05	0.85	ppbv	J	sp	<PQL			
4402555951	RISG-85-5.0-20191119	11/19/19	TO15SIMVOL	136777-61-2	m,p-xylene	0.29	J	0.02	0.68	ppbv	J	bl,bb,sp	blank contamination below PQL; <PQL	0.041	0.082	ug/m³
4402555951	RISG-85-5.0-20191119	11/19/19	TO15SIMVOL	74-87-3	Chloromethane		UJ	0.64	8.5	ppbv	UJ	c,l	CCV %D; LCS/LCSD %R	31.45794; 69,-	30; 70-130	%
4402555951	RISG-85-5.0-20191119	11/19/19	TO15SIMVOL	71-43-2	Benzene	0.66	J	0.057	0.85	ppbv	J	bl,bb,sp	blank contamination below PQL; <PQL	0.046	0.092	ug/m³
4402555951	RISG-85-5.0-20191119	11/19/19	TO15SIMVOL	75-34-3	1,1-Dichloroethane	0.20	J	0.018	0.34	ppbv	J	sp	<PQL			
4402555951	RISG-85-5.0-20191119	11/19/19	TO15SIMVOL	100-41-4	Ethyl Benzene	0.17	J	0.02	0.34	ppbv	J	bl,bb,sp	blank contamination below PQL; <PQL	0.019	0.038	ug/m³
4402555951	RISG-85-5.0-20191119	11/19/19	TO15SIMVOL	75-71-8	Dichlorodifluoromethane	0.35	J-	0.022	0.34	ppbv	J-	c,l	CCV %D; LCS/LCSD %R	37.33677; 63,65	30; 70-130	%
4402555951	RISG-85-5.0-20191119	11/19/19	TO15VOL	64-17-5	Ethanol	4.6	J J-	1.9	8.5	ppbv	J-	c,sp	CCV %D; <PQL	31.18652	30	%
4402555951	RISG-85-5.0-20191119	11/19/19	TO15VOL	124-48-1	Dibromochloromethane	0.18	J	0.17	1.7	ppbv	J	sp	<PQL			
4402555951	RISG-85-5.0-20191119	11/19/19	TO15VOL	75-69-4	Trichlorofluoromethane	0.24	J	0.2	1.7	ppbv	J	sp	<PQL			
4402555951	RISG-85-5.0-20191119	11/19/19	TO15VOL	75-15-0	Carbon Disulfide	4.5	J	1.5	8.5	ppbv	J	sp	<PQL			
4402555951	RISG-85-5.0-20191119	11/19/19	TO15VOL	95-63-6	1,2,4-Trimethylbenzene	0.13	J	0.12	1.7	ppbv	J	sp	<PQL			
4402555951	RISG-85-5.0-20191119	11/19/19	TO15VOL	67-64-1	Acetone	13	J	2.4	17	ppbv	J	sp	<PQL			
4402555951	RISG-85-5.0-20191119	11/19/19	TO15VOL	75-27-4	Bromodichloromethane	0.82	J	0.28	1.7	ppbv	J	sp	<PQL			
4402555951	RISG-85-14.0-20191119	11/19/19	TO15	56-23-5	Carbon Tetrachloride	10	J	4	28	ug/m3	J	sp	<PQL			
4402555951	RISG-85-14.0-20191119	11/19/19	TO15	67-64-1	Acetone	36	J	17	110	ug/m3	J	sp	<PQL			
4402555951	RISG-85-14.0-20191119	11/19/19	TO15	108-88-3	Toluene	1.8	J	1.7	17	ug/m3	J	sp	<PQL			
4402555951	RISG-85-14.0-20191119	11/19/19	TO15	79-01-6	Trichloroethene	14	J	2.4	24	ug/m3	J	sp	<PQL			
4402555951	RISG-85-14.0-20191119	11/19/19	TO15	95-63-6	1,2,4-Trimethylbenzene	3.9	J	2.7	22	ug/m3	J	sp	<PQL			
4402555951	RISG-85-14.0-20191119	11/19/19	TO15VOL	79-01-6	Trichloroethene	2.6	J	0.45	4.5	ppbv	J	sp	<PQL			
4402555951	RISG-85-14.0-20191119	11/19/19	TO15VOL	108-88-3	Toluene	0.48	J	0.45	4.5	ppbv	J	sp	<PQL			
4402555951	RISG-85-14.0-20191119	11/19/19	TO15VOL	95-63-6	1,2,4-Trimethylbenzene	0.79	J	0.54	4.5	ppbv	J	sp	<PQL			
4402555951	RISG-85-14.0-20191119	11/19/19	TO15VOL	56-23-5	Carbon Tetrachloride	1.7	J	0.63	4.5	ppbv	J	sp	<PQL			
4402555951	RISG-85-14.0-20191119	11/19/19	TO15VOL	67-64-1	Acetone	15	J	7.2	45	ppbv	J	sp	<PQL			
4402555951	RISG-87-5.0-20191119	11/19/19	TO15	110-54-3	n-Hexane	0.92	J	0.69	3.5	ug/m3	J	sp	<PQL			
4402555951	RISG-87-5.0-20191119	11/19/19	TO15	124-48-1	Dibromochloromethane	0.64	J	0.17	1.7	ug/m3	J	sp	<PQL			
4402555951	RISG-87-5.0-20191119	11/19/19	TO15	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.55	J	0.25	1.5	ug/m3	J	sp	<PQL			
4402555951	RISG-87-5.0-20191119	11/19/19	TO15	123-91-1	1,4-Dioxane	0.23	J	0.14	0.72	ug/m3	J	sp	<PQL			
4402555951	RISG-87-5.0-20191119	11/19/19	TO15	109-99-9	Tetrahydrofuran	1.5	J	0.43	2.9	ug/m3	J	sp	<PQL			
4402555951	RISG-87-5.0-20191119	11/19/19	TO15	64-17-5	Ethanol	2.1	J-	0.42	1.9	ug/m3	J-	c	CCV %D	31.18652	30	%
4402555951	RISG-87-5.0-20191119	11/19/19	TO15	108-90-7	Chlorobenzene	0.55	J	0.078	0.92	ug/m3	J	sp	<PQL			
4402555951	RISG-87-5.0-20191119	11/19/19	TO15	95-50-1	1,2-Dichlorobenzene	0.20	J	0.18	1.2	ug/m3	J	sp	<PQL			
4402555951	RISG-87-5.0-20191119	11/19/19	TO15SIM	75-71-8	Dichlorodifluoromethane	1.7	J-	0.012	0.20	ug/m3	J-	c,l	CCV %D; LCS/LCSD %R	37.33677; 63,65	30; 70-130	%
4402555951	RISG-87-5.0-20191119	11/19/19	TO15SIM	75-00-3	Chloroethane	0.064	J	0.015	0.26	ug/m3	J	sp	<PQL			
4402555951	RISG-87-5.0-20191119	11/19/19	TO15SIM	75-01-4	Vinyl Chloride	0.0098	J	0.0075	0.051	ug/m3	J	sp	<PQL			
4402555951	RISG-87-5.0-20191119	11/19/19	TO15SIM	91-20-3	Naphthalene	0.47	J	0.16	0.52	ug/m3	J	sp	<PQL			
4402555951	RISG-87-5.0-20191119	11/19/19	TO15SIM	74-87-3	Chloromethane	0.19	J J-	0.16	2.1	ug/m3	J-	c,l,sp	CCV %D; LCS/LCSD %R; <PQL	31.45794; 69,-	30; 70-130	%
4402555951	RISG-87-5.0-20191119	11/19/19	TO15SIM	106-46-7	1,4-Dichlorobenzene	0.19	J	0.13	0.24	ug/m3	J	bl,bb,sp	blank contamination below PQL; <PQL	0.072	0.144	ug/m³
4402555951	RISG-87-5.0-20191119	11/19/19	TO15SIM	107-06-2	1,2-Dichloroethane	0.063	J	0.01	0.16	ug/m3	J	bl,bb,sp	blank contamination below PQL; <PQL	0.0068	0.0136	ug/m³
4402555951	RISG-87-5.0-20191119	11/19/19	TO15SIMVOL	91-20-3	Naphthalene	0.089	J	0.03	0.10	ppbv	J	sp	<PQL			
4402555951	RISG-87-5.0-20191119	11/19/19	TO15SIMVOL	107-06-2	1,2-Dichloroethane	0.016	J	0.0025	0.040	ppbv	J	bl,bb,sp	blank contamination below PQL; <PQL	0.0068	0.0136	ug/m³
4402555951	RISG-87-5.0-20191119	11/19/19	TO15SIMVOL	75-01-4	Vinyl Chloride	0.0038	J	0.0029	0.020	ppbv	J	sp	<PQL			
4402555951	RISG-87-5.0-20191119	11/19/19	TO15SIMVOL	74-87-3	Chloromethane	0.092	J J-	0.075	1.0	ppbv	J-	c,l,sp	CCV %D; LCS/LCSD %R; <PQL	31.45794; 69,-	30; 70-130	%
4402555951	RISG-87-5.0-20191119	11/19/19	TO15SIMVOL	75-00-3	Chloroethane	0.024	J	0.0058	0.10	ppbv	J	sp	<PQL			
4402555951	RISG-87-5.0-20191119	11/19/19	TO15SIMVOL	75-71-8	Dichlorodifluoromethane	0.34	J-	0.0025	0.040	ppbv	J-	c,l	CCV %D; LCS/LCSD %R	37.33677; 63,65	30; 70-130	%
4402555951	RISG-87-5.0-20191119	11/19/19	TO15SIMVOL	106-46-7	1,4-Dichlorobenzene	0.032	J	0.022	0.040	ppbv	J	bl,bb,sp	blank contamination below PQL; <PQL	0.072	0.144	ug/m³
4402555951	RISG-87-5.0-20191119	11/19/19	TO15VOL	108-90-7	Chlorobenzene	0.12	J	0.017	0.20	ppbv	J	sp	<PQL			
4402555951	RISG-87-5.0-20191119	11/19/19	TO15VOL	95-50-1	1,2-Dichlorobenzene	0.033	J	0.03	0.20	ppbv	J	sp	<PQL			
4402555951	RISG-87-5.0-20191119	11/19/19	TO15VOL	124-48-1	Dibromochloromethane	0.075	J	0.02	0.20	ppbv	J	sp	<PQL			
4402555951	RISG-87-5.0-20191119	11/19/19	TO15VOL	64-17-5	Ethanol	1.1	J-	0.22	1.0	ppbv	J-	c	CCV %D	31.18652	30	%
4402555951	RISG-87-5.0-20191119	11/19/19	TO15VOL	109-99-9	Tetrahydrofuran	0.52	J	0.14	1.0	ppbv	J	sp	<PQL			
4402555951	RISG-87-5.0-20191119	11/19/19	TO15VOL	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.072	J	0.032	0.20	ppbv	J	sp	<PQL			
4402555951	RISG-87-5.0-20191119	11/19/19	TO15VOL	110-54-3	n-Hexane	0.26	J	0.2	1.0	ppbv	J	sp	<PQL			
4402555951	RISG-87-5.0-20191119	11/19/19	TO15VOL	123-91-1	1,4-Dioxane	0.063	J	0.038	0.20	ppbv	J	sp	<PQL			
4402555951	RISG-87-15.0-20191119	11/19/19	TO15	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.58	J	0.49	3.0	ug/m3	J	sp	<PQL			
4402555951	RISG-87-15.0-20191119	11/19/19	TO15	64-17-5	Ethanol	4.0	J-	0.83	3.7	ug/m3	J-	c	CCV %D	31.18652	30	%

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator	Qualification Finding	Acceptance Criteria	
4402555951	RISG-87-15.0-20191119	11/19/19	TO15	75-69-4	Trichlorofluoromethane	1.6	J	0.26	2.2	ug/m3	J	sp	<PQL			
4402555951	RISG-87-15.0-20191119	11/19/19	TO15	110-82-7	Cyclohexane	0.65	J	0.22	1.4	ug/m3	J	sp	<PQL			
4402555951	RISG-87-15.0-20191119	11/19/19	TO15	75-27-4	Bromodichloromethane	1.7	J	0.43	2.6	ug/m3	J	sp	<PQL			
4402555951	RISG-87-15.0-20191119	11/19/19	TO15	109-99-9	Tetrahydrofuran	1.5	J	0.84	5.8	ug/m3	J	sp	<PQL			
4402555951	RISG-87-15.0-20191119	11/19/19	TO15	108-90-7	Chlorobenzene	0.53	J	0.15	1.8	ug/m3	J	sp	<PQL			
4402555951	RISG-87-15.0-20191119	11/19/19	TO15	75-15-0	Carbon Disulfide	1.9	J	1.1	6.1	ug/m3	J	sp	<PQL			
4402555951	RISG-87-15.0-20191119	11/19/19	TO15	95-50-1	1,2-Dichlorobenzene	1.7	J	0.36	2.4	ug/m3	J	sp	<PQL			
4402555951	RISG-87-15.0-20191119	11/19/19	TO15	541-73-1	1,3-Dichlorobenzene	2.1	J	0.5	2.4	ug/m3	J	sp	<PQL			
4402555951	RISG-87-15.0-20191119	11/19/19	TO15SIM	75-71-8	Dichlorodifluoromethane	1.6	J-	0.025	0.39	ug/m3	J-	c,l	CCV %D; LCS/LCSD %R	37.33677; 63,65	30; 70-130	%
4402555951	RISG-87-15.0-20191119	11/19/19	TO15SIM	156-59-2	cis-1,2-Dichloroethene	0.066	J	0.018	0.31	ug/m3	J	sp	<PQL			
4402555951	RISG-87-15.0-20191119	11/19/19	TO15SIM	74-87-3	Chloromethane		UJ	0.31	4.1	ug/m3	UJ	c,l	CCV %D; LCS/LCSD %R	31.45794; 69,-	30; 70-130	%
4402555951	RISG-87-15.0-20191119	11/19/19	TO15SIM	91-20-3	Naphthalene	0.42	J	0.31	1.0	ug/m3	J	sp	<PQL			
4402555951	RISG-87-15.0-20191119	11/19/19	TO15SIM	100-41-4	Ethyl Benzene	0.33	J	0.02	0.34	ug/m3	J	bl,bb,sp	blank contamination below PQL; <PQL	0.019	0.038	ug/m³
4402555951	RISG-87-15.0-20191119	11/19/19	TO15SIM	75-00-3	Chloroethane	0.042	J	0.03	0.52	ug/m3	J	sp	<PQL			
4402555951	RISG-87-15.0-20191119	11/19/19	TO15SIMVOL	75-00-3	Chloroethane	0.016	J	0.012	0.20	ppbv	J	sp	<PQL			
4402555951	RISG-87-15.0-20191119	11/19/19	TO15SIMVOL	74-87-3	Chloromethane		UJ	0.15	2.0	ppbv	UJ	c,l	CCV %D; LCS/LCSD %R	31.45794; 69,-	30; 70-130	%
4402555951	RISG-87-15.0-20191119	11/19/19	TO15SIMVOL	156-59-2	cis-1,2-Dichloroethene	0.016	J	0.0045	0.079	ppbv	J	sp	<PQL			
4402555951	RISG-87-15.0-20191119	11/19/19	TO15SIMVOL	91-20-3	Naphthalene	0.080	J	0.06	0.20	ppbv	J	sp	<PQL			
4402555951	RISG-87-15.0-20191119	11/19/19	TO15SIMVOL	75-71-8	Dichlorodifluoromethane	0.33	J-	0.005	0.079	ppbv	J-	c,l	CCV %D; LCS/LCSD %R	37.33677; 63,65	30; 70-130	%
4402555951	RISG-87-15.0-20191119	11/19/19	TO15SIMVOL	100-41-4	Ethyl Benzene	0.077	J	0.0046	0.079	ppbv	J	bl,bb,sp	blank contamination below PQL; <PQL	0.019	0.038	ug/m³
4402555951	RISG-87-15.0-20191119	11/19/19	TO15VOL	95-50-1	1,2-Dichlorobenzene	0.28	J	0.06	0.39	ppbv	J	sp	<PQL			
4402555951	RISG-87-15.0-20191119	11/19/19	TO15VOL	541-73-1	1,3-Dichlorobenzene	0.34	J	0.084	0.39	ppbv	J	sp	<PQL			
4402555951	RISG-87-15.0-20191119	11/19/19	TO15VOL	108-90-7	Chlorobenzene	0.11	J	0.033	0.39	ppbv	J	sp	<PQL			
4402555951	RISG-87-15.0-20191119	11/19/19	TO15VOL	109-99-9	Tetrahydrofuran	0.50	J	0.28	2.0	ppbv	J	sp	<PQL			
4402555951	RISG-87-15.0-20191119	11/19/19	TO15VOL	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.076	J	0.064	0.39	ppbv	J	sp	<PQL			
4402555951	RISG-87-15.0-20191119	11/19/19	TO15VOL	75-27-4	Bromodichloromethane	0.25	J	0.064	0.39	ppbv	J	sp	<PQL			
4402555951	RISG-87-15.0-20191119	11/19/19	TO15VOL	64-17-5	Ethanol	2.2	J-	0.44	2.0	ppbv	J-	c	CCV %D	31.18652	30	%
4402555951	RISG-87-15.0-20191119	11/19/19	TO15VOL	110-82-7	Cyclohexane	0.19	J	0.063	0.39	ppbv	J	sp	<PQL			
4402555951	RISG-87-15.0-20191119	11/19/19	TO15VOL	75-15-0	Carbon Disulfide	0.62	J	0.34	2.0	ppbv	J	sp	<PQL			
4402555951	RISG-87-15.0-20191119	11/19/19	TO15VOL	75-69-4	Trichlorofluoromethane	0.29	J	0.046	0.39	ppbv	J	sp	<PQL			
4402555971	RISG-27-5.0-20191115	11/15/19	TO15	64-17-5	Ethanol	4.2	J	1.9	9.2	ug/m3	J	c,sp	ICAL %RSD; <PQL	39.788	30	%
4402555971	RISG-27-5.0-20191115	11/15/19	TO15	120-82-1	1,2,4-Trichlorobenzene		U	13	36	ug/m3	UJ	c	ICV %D	35.03	30	%
4402555971	RISG-27-5.0-20191115	11/15/19	TO15	109-99-9	Tetrahydrofuran	6.6	J	5.7	14	ug/m3	J	sp	<PQL			
4402555971	RISG-27-5.0-20191115	11/15/19	TO15	622-96-8	4-Ethyltoluene	1.2	J	1.1	4.8	ug/m3	J	sp	<PQL			
4402555971	RISG-27-5.0-20191115	11/15/19	TO15	75-69-4	Trichlorofluoromethane	1.5	J	1.1	5.5	ug/m3	J	sp	<PQL			
4402555971	RISG-27-5.0-20191115	11/15/19	TO15	108-90-7	Chlorobenzene	1.4	J	1.2	4.5	ug/m3	J	sp	<PQL			
4402555971	RISG-27-5.0-20191115	11/15/19	TO15	95-63-6	1,2,4-Trimethylbenzene	2.7	J	1	4.8	ug/m3	J	sp	<PQL			
4402555971	RISG-27-5.0-20191115	11/15/19	TO15SIM	95-47-6	ortho-xylene	0.83	J	0.19	0.85	ug/m3	J	sp	<PQL			
4402555971	RISG-27-5.0-20191115	11/15/19	TO15SIM	75-00-3	Chloroethane	0.30	J	0.19	1.3	ug/m3	J	sp	<PQL			
4402555971	RISG-27-5.0-20191115	11/15/19	TO15SIM	79-01-6	Trichloroethene	0.96	J	0.71	1.0	ug/m3	J	sp	<PQL			
4402555971	RISG-27-5.0-20191115	11/15/19	TO15SIMVOL	75-00-3	Chloroethane	0.11	J	0.073	0.49	ppbv	J	sp	<PQL			
4402555971	RISG-27-5.0-20191115	11/15/19	TO15SIMVOL	95-47-6	ortho-xylene	0.19	J	0.044	0.20	ppbv	J	sp	<PQL			
4402555971	RISG-27-5.0-20191115	11/15/19	TO15SIMVOL	79-01-6	Trichloroethene	0.18	J	0.13	0.20	ppbv	J	sp	<PQL			
4402555971	RISG-27-5.0-20191115	11/15/19	TO15VOL	95-63-6	1,2,4-Trimethylbenzene	0.55	J	0.21	0.98	ppbv	J	sp	<PQL			
4402555971	RISG-27-5.0-20191115	11/15/19	TO15VOL	75-69-4	Trichlorofluoromethane	0.27	J	0.2	0.98	ppbv	J	sp	<PQL			
4402555971	RISG-27-5.0-20191115	11/15/19	TO15VOL	109-99-9	Tetrahydrofuran	2.2	J	1.9	4.9	ppbv	J	sp	<PQL			
4402555971	RISG-27-5.0-20191115	11/15/19	TO15VOL	622-96-8	4-Ethyltoluene	0.24	J	0.23	0.98	ppbv	J	sp	<PQL			
4402555971	RISG-27-5.0-20191115	11/15/19	TO15VOL	108-90-7	Chlorobenzene	0.31	J	0.26	0.98	ppbv	J	sp	<PQL			
4402555971	RISG-27-5.0-20191115	11/15/19	TO15VOL	64-17-5	Ethanol	2.2	J	1	4.9	ppbv	J	c,sp	ICAL %RSD; <PQL	39.788	30	%
4402555971	RISG-27-5.0-20191115	11/15/19	TO15VOL	120-82-1	1,2,4-Trichlorobenzene		U	1.8	4.9	ppbv	UJ	c	ICV %D	35.03	30	%
4402555971	RISG-27-15.0-20191115	11/15/19	TO15	75-27-4	Bromodichloromethane	4.4	J	4.1	11	ug/m3	J	sp	<PQL			
4402555971	RISG-27-15.0-20191115	11/15/19	TO15	75-09-2	Methylene Chloride	3.9	J	1.7	12	ug/m3	J	sp	<PQL			
4402555971	RISG-27-15.0-20191115	11/15/19	TO15	87-68-3	Hexachlorobutadiene	80	J	30	90	ug/m3	J	sp	<PQL			
4402555971	RISG-27-15.0-20191115	11/15/19	TO15	64-17-5	Ethanol		U	3.3	16	ug/m3	UJ	c	ICAL %RSD	39.788	30	%
4402555971	RISG-27-15.0-20191115	11/15/19	TO15	120-82-1	1,2,4-Trichlorobenzene		U	23	62	ug/m3	UJ	c	ICV %D	35.03	30	%
4402555971	RISG-27-15.0-20191115	11/15/19	TO15SIM	75-34-3	1,1-Dichloroethane	0.47	J	0.45	1.4	ug/m3	J	sp	<PQL			
4402555971	RISG-27-15.0-20191115	11/15/19	TO15SIM	74-87-3	Chloromethane	1.0	J	0.42	17	ug/m3	J	sp	<PQL			
4402555971	RISG-27-15.0-20191115	11/15/19	TO15SIM	108-88-3	Toluene	1.3	J	0.96	3.2	ug/m3	J	sp	<PQL			
4402555971	RISG-27-15.0-20191115	11/15/19	TO15SIM	75-00-3	Chloroethane	0.66	J	0.33	2.2	ug/m3	J	sp	<PQL			
4402555971	RISG-27-15.0-20191115	11/15/19	TO15SIMVOL	108-88-3	Toluene	0.36	J	0.26	0.84	ppbv	J	sp	<PQL			
4402555971	RISG-27-15.0-20191115	11/15/19	TO15SIMVOL	75-00-3	Chloroethane	0.25	J	0.12	0.84	ppbv	J	sp	<PQL			
4402555971	RISG-27-15.0-20191115	11/15/19	TO15SIMVOL	75-34-3	1,1-Dichloroethane	0.12	J	0.11	0.34	ppbv	J	sp	<PQL			
4402555971	RISG-27-15.0-20191115	11/15/19	TO15SIMVOL	74-87-3	Chloromethane	0.50	J	0.2	8.4	ppbv	J	sp	<PQL			
4402555971	RISG-27-15.0-20191115	11/15/19	TO15VOL	87-68-3	Hexachlorobutadiene	7.5	J	2.9	8.4	ppbv	J	sp	<PQL			
4402555971	RISG-27-15.0-20191115	11/15/19	TO15VOL	75-09-2	Methylene Chloride	1.1	J	0.49	3.4	ppbv	J	sp	<PQL			
4402555971	RISG-27-15.0-20191115	11/15/19	TO15VOL	75-27-4	Bromodichloromethane	0.65	J	0.61	1.7	ppbv	J	sp	<PQL			

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator	Qualification Finding	Acceptance Criteria	
4402555971	RISG-27-15.0-20191115	11/15/19	TO15VOL	64-17-5	Ethanol		U	1.7	8.4	ppbv	UJ	c	ICAL %RSD	39.788	30	%
4402555971	RISG-27-15.0-20191115	11/15/19	TO15VOL	120-82-1	1,2,4-Trichlorobenzene		U	3	8.4	ppbv	UJ	c	ICV %D	35.03	30	%
4402555971	RISG-84-15.0-20191115	11/15/19	TO15	67-64-1	Acetone	56	J	19	130	ug/m3	J	sp	<PQL			
4402555971	RISG-84-15.0-20191115	11/15/19	TO15	96-18-4	1,2,3-Trichloropropane		U	330	330	ug/m3	UJ	c	ICAL %RSD	31.26	30	%
4402555971	RISG-84-15.0-20191115	11/15/19	TO15	87-68-3	Hexachlorobutadiene		U	360	580	ug/m3	UJ	c	ICAL %RSD	36.478	30	%
4402555971	RISG-84-15.0-20191115	11/15/19	TO15	75-15-0	Carbon Disulfide	28	J	26	170	ug/m3	J	sp	<PQL			
4402555971	RISG-84-15.0-20191115	11/15/19	TO15	541-73-1	1,3-Dichlorobenzene	29	J	13	82	ug/m3	J	sp	<PQL			
4402555971	RISG-84-15.0-20191115	11/15/19	TO15	75-27-4	Bromodichloromethane	54	J	9.1	91	ug/m3	J	sp	<PQL			
4402555971	RISG-84-15.0-20191115	11/15/19	TO15VOL	541-73-1	1,3-Dichlorobenzene	4.9	J	2.1	14	ppbv	J	sp	<PQL			
4402555971	RISG-84-15.0-20191115	11/15/19	TO15VOL	75-27-4	Bromodichloromethane	8.0	J	1.4	14	ppbv	J	sp	<PQL			
4402555971	RISG-84-15.0-20191115	11/15/19	TO15VOL	87-68-3	Hexachlorobutadiene		U	34	55	ppbv	UJ	c	ICAL %RSD	36.478	30	%
4402555971	RISG-84-15.0-20191115	11/15/19	TO15VOL	67-64-1	Acetone	24	J	8	55	ppbv	J	sp	<PQL			
4402555971	RISG-84-15.0-20191115	11/15/19	TO15VOL	96-18-4	1,2,3-Trichloropropane		U	55	55	ppbv	UJ	c	ICAL %RSD	31.26	30	%
4402555971	RISG-84-15.0-20191115	11/15/19	TO15VOL	75-15-0	Carbon Disulfide	8.9	J	8.3	55	ppbv	J	sp	<PQL			
4402559901	RISG-2-5.0-20191112	11/12/19	TO15	120-82-1	1,2,4-Trichlorobenzene		U	25	68	ug/m3	UJ	c	ICV %D	35.03	30	%
4402559901	RISG-2-5.0-20191112	11/12/19	TO15	64-17-5	Ethanol		U	3.6	17	ug/m3	UJ	c	ICAL %RSD	39.788	30	%
4402559901	RISG-2-5.0-20191112	11/12/19	TO15	541-73-1	1,3-Dichlorobenzene	5.8	J	3.8	11	ug/m3	J	sp	<PQL			
4402559901	RISG-2-5.0-20191112	11/12/19	TO15SIM	75-00-3	Chloroethane	0.52	J	0.36	2.4	ug/m3	J	sp	<PQL			
4402559901	RISG-2-5.0-20191112	11/12/19	TO15SIMVOL	75-00-3	Chloroethane	0.20	J	0.14	0.92	ppbv	J	sp	<PQL			
4402559901	RISG-2-5.0-20191112	11/12/19	TO15VOL	120-82-1	1,2,4-Trichlorobenzene		U	3.3	9.2	ppbv	UJ	c	ICV %D	35.03	30	%
4402559901	RISG-2-5.0-20191112	11/12/19	TO15VOL	64-17-5	Ethanol		U	1.9	9.2	ppbv	UJ	c	ICAL %RSD	39.788	30	%
4402559901	RISG-2-5.0-20191112	11/12/19	TO15VOL	541-73-1	1,3-Dichlorobenzene	0.96	J	0.63	1.8	ppbv	J	sp	<PQL			
4402559901	RISG-2-5.0-20191112-FD	11/12/19	TO15	64-17-5	Ethanol		U	3.3	16	ug/m3	UJ	c	ICAL %RSD	39.788	30	%
4402559901	RISG-2-5.0-20191112-FD	11/12/19	TO15	120-82-1	1,2,4-Trichlorobenzene		U	23	63	ug/m3	UJ	c	ICV %D	35.03	30	%
4402559901	RISG-2-5.0-20191112-FD	11/12/19	TO15	75-15-0	Carbon Disulfide	14	J	4.6	27	ug/m3	J	sp	<PQL			
4402559901	RISG-2-5.0-20191112-FD	11/12/19	TO15	541-73-1	1,3-Dichlorobenzene	3.6	J	3.5	10	ug/m3	J	sp	<PQL			
4402559901	RISG-2-5.0-20191112-FD	11/12/19	TO15VOL	64-17-5	Ethanol		U	1.8	8.6	ppbv	UJ	c	ICAL %RSD	39.788	30	%
4402559901	RISG-2-5.0-20191112-FD	11/12/19	TO15VOL	75-15-0	Carbon Disulfide	4.5	J	1.5	8.6	ppbv	J	sp	<PQL			
4402559901	RISG-2-5.0-20191112-FD	11/12/19	TO15VOL	541-73-1	1,3-Dichlorobenzene	0.60	J	0.59	1.7	ppbv	J	sp	<PQL			
4402559901	RISG-2-5.0-20191112-FD	11/12/19	TO15VOL	120-82-1	1,2,4-Trichlorobenzene		U	3.1	8.6	ppbv	UJ	c	ICV %D	35.03	30	%
4402559901	RISG-2-15.0-20191112	11/12/19	TO15	75-09-2	Methylene Chloride	2.8	J	1.9	13	ug/m3	J	sp	<PQL			
4402559901	RISG-2-15.0-20191112	11/12/19	TO15	64-17-5	Ethanol		U	3.6	18	ug/m3	UJ	c	ICAL %RSD	39.788	30	%
4402559901	RISG-2-15.0-20191112	11/12/19	TO15	120-82-1	1,2,4-Trichlorobenzene		U	25	69	ug/m3	UJ	c	ICV %D	35.03	30	%
4402559901	RISG-2-15.0-20191112	11/12/19	TO15	541-73-1	1,3-Dichlorobenzene	4.5	J	3.9	11	ug/m3	J	sp	<PQL			
4402559901	RISG-2-15.0-20191112	11/12/19	TO15SIM	75-34-3	1,1-Dichloroethane	0.72	J	0.5	1.5	ug/m3	J	sp	<PQL			
4402559901	RISG-2-15.0-20191112	11/12/19	TO15SIM	107-06-2	1,2-Dichloroethane	0.31	J	0.28	1.5	ug/m3	J	sp	<PQL			
4402559901	RISG-2-15.0-20191112	11/12/19	TO15SIMVOL	75-34-3	1,1-Dichloroethane	0.18	J	0.12	0.37	ppbv	J	sp	<PQL			
4402559901	RISG-2-15.0-20191112	11/12/19	TO15SIMVOL	107-06-2	1,2-Dichloroethane	0.078	J	0.068	0.37	ppbv	J	sp	<PQL			
4402559901	RISG-2-15.0-20191112	11/12/19	TO15VOL	541-73-1	1,3-Dichlorobenzene	0.75	J	0.64	1.9	ppbv	J	sp	<PQL			
4402559901	RISG-2-15.0-20191112	11/12/19	TO15VOL	120-82-1	1,2,4-Trichlorobenzene		U	3.4	9.4	ppbv	UJ	c	ICV %D	35.03	30	%
4402559901	RISG-2-15.0-20191112	11/12/19	TO15VOL	75-09-2	Methylene Chloride	0.79	J	0.54	3.7	ppbv	J	sp	<PQL			
4402559901	RISG-2-15.0-20191112	11/12/19	TO15VOL	64-17-5	Ethanol		U	1.9	9.4	ppbv	UJ	c	ICAL %RSD	39.788	30	%
4402559901	RISG-3-15.0-20191113	11/13/19	TO15	120-82-1	1,2,4-Trichlorobenzene		U	24	66	ug/m3	UJ	c	ICV %D	35.03	30	%
4402559901	RISG-3-15.0-20191113	11/13/19	TO15	64-17-5	Ethanol		U	3.5	17	ug/m3	UJ	c	ICAL %RSD	39.788	30	%
4402559901	RISG-3-15.0-20191113	11/13/19	TO15VOL	64-17-5	Ethanol		U	1.8	9.0	ppbv	UJ	c	ICAL %RSD	39.788	30	%
4402559901	RISG-3-15.0-20191113	11/13/19	TO15VOL	120-82-1	1,2,4-Trichlorobenzene		U	3.2	9.0	ppbv	UJ	c	ICV %D	35.03	30	%
4402559901	RISG-28-5.0-20191113	11/13/19	TO15	622-96-8	4-Ethyltoluene	0.23	J	0.21	0.90	ug/m3	J	sp	<PQL			
4402559901	RISG-28-5.0-20191113	11/13/19	TO15	95-63-6	1,2,4-Trimethylbenzene	0.78	J	0.2	0.90	ug/m3	J	sp	<PQL			
4402559901	RISG-28-5.0-20191113	11/13/19	TO15	64-17-5	Ethanol	2.7		0.36	1.7	ug/m3	J	c	ICAL %RSD	39.788	30	%
4402559901	RISG-28-5.0-20191113	11/13/19	TO15	120-82-1	1,2,4-Trichlorobenzene		U	2.5	6.8	ug/m3	UJ	c	ICV %D	35.03	30	%
4402559901	RISG-28-5.0-20191113	11/13/19	TO15	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.61	J	0.28	1.4	ug/m3	J	sp	<PQL			
4402559901	RISG-28-5.0-20191113	11/13/19	TO15	75-09-2	Methylene Chloride	1.1	J	0.18	1.3	ug/m3	J	sp	<PQL			
4402559901	RISG-28-5.0-20191113	11/13/19	TO15	78-93-3	2-Butanone	0.56	J	0.55	2.7	ug/m3	J	sp	<PQL			
4402559901	RISG-28-5.0-20191113	11/13/19	TO15	108-67-8	1,3,5-Trimethylbenzene	0.19	J	0.18	0.90	ug/m3	J	sp	<PQL			
4402559901	RISG-28-5.0-20191113	11/13/19	TO15SIM	75-34-3	1,1-Dichloroethane	0.053	J	0.049	0.15	ug/m3	J	sp	<PQL			
4402559901	RISG-28-5.0-20191113	11/13/19	TO15SIM	75-00-3	Chloroethane	0.21	J	0.036	0.24	ug/m3	J	sp	<PQL			
4402559901	RISG-28-5.0-20191113	11/13/19	TO15SIM	108-88-3	Toluene	1.0		0.1	0.34	ug/m3	J	fd	FD RPD	55	50	%
4402559901	RISG-28-5.0-20191113	11/13/19	TO15SIM	106-46-7	1,4-Dichlorobenzene	0.15	J	0.12	0.22	ug/m3	J	sp	<PQL			
4402559901	RISG-28-5.0-20191113	11/13/19	TO15SIM	74-87-3	Chloromethane	0.15	J	0.045	1.9	ug/m3	J	sp	<PQL			
4402559901	RISG-28-5.0-20191113	11/13/19	TO15SIMVOL	108-88-3	Toluene	0.28		0.028	0.092	ppbv	J	fd	FD RPD	55	50	%
4402559901	RISG-28-5.0-20191113	11/13/19	TO15SIMVOL	106-46-7	1,4-Dichlorobenzene	0.024	J	0.021	0.037	ppbv	J	sp	<PQL			
4402559901	RISG-28-5.0-20191113	11/13/19	TO15SIMVOL	75-34-3	1,1-Dichloroethane	0.013	J	0.012	0.037	ppbv	J	sp	<PQL			
4402559901	RISG-28-5.0-20191113	11/13/19	TO15SIMVOL	74-87-3	Chloromethane	0.074	J	0.022	0.92	ppbv	J	sp	<PQL			
4402559901	RISG-28-5.0-20191113	11/13/19	TO15SIMVOL	75-00-3	Chloroethane	0.078	J	0.014	0.092	ppbv	J	sp	<PQL			
4402559901	RISG-28-5.0-20191113	11/13/19	TO15VOL	622-96-8	4-Ethyltoluene	0.047	J	0.042	0.18	ppbv	J	sp	<PQL			
4402559901	RISG-28-5.0-20191113	11/13/19	TO15VOL	78-93-3	2-Butanone	0.19	J	0.19	0.92	ppbv	J	sp	<PQL			

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator	Qualification Finding	Acceptance Criteria	
4402559901	RISG-28-5.0-20191113	11/13/19	TO15VOL	108-67-8	1,3,5-Trimethylbenzene	0.040	J	0.037	0.18	ppbv	J	sp	<PQL			
4402559901	RISG-28-5.0-20191113	11/13/19	TO15VOL	95-63-6	1,2,4-Trimethylbenzene	0.16	J	0.04	0.18	ppbv	J	sp	<PQL			
4402559901	RISG-28-5.0-20191113	11/13/19	TO15VOL	120-82-1	1,2,4-Trichlorobenzene		U	0.33	0.92	ppbv	UJ	c	ICV %D	35.03	30	%
4402559901	RISG-28-5.0-20191113	11/13/19	TO15VOL	64-17-5	Ethanol	1.4		0.19	0.92	ppbv	J	c	ICAL %RSD	39.788	30	%
4402559901	RISG-28-5.0-20191113	11/13/19	TO15VOL	75-09-2	Methylene Chloride	0.31	J	0.053	0.37	ppbv	J	sp	<PQL			
4402559901	RISG-28-5.0-20191113	11/13/19	TO15VOL	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.080	J	0.036	0.18	ppbv	J	sp	<PQL			
4402559901	RISG-28-5.0-20191113-FD	11/13/19	TO15	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.55	J	0.26	1.3	ug/m3	J	sp	<PQL			
4402559901	RISG-28-5.0-20191113-FD	11/13/19	TO15	75-09-2	Methylene Chloride	0.95	J	0.18	1.2	ug/m3	J	sp	<PQL			
4402559901	RISG-28-5.0-20191113-FD	11/13/19	TO15	64-17-5	Ethanol	2.8		0.34	1.6	ug/m3	J	c	ICAL %RSD	39.788	30	%
4402559901	RISG-28-5.0-20191113-FD	11/13/19	TO15	120-82-1	1,2,4-Trichlorobenzene		U	2.4	6.5	ug/m3	UJ	c	ICV %D	35.03	30	%
4402559901	RISG-28-5.0-20191113-FD	11/13/19	TO15	78-93-3	2-Butanone	0.76	J	0.53	2.6	ug/m3	J	sp	<PQL			
4402559901	RISG-28-5.0-20191113-FD	11/13/19	TO15	95-63-6	1,2,4-Trimethylbenzene	0.56	J	0.19	0.86	ug/m3	J	sp	<PQL			
4402559901	RISG-28-5.0-20191113-FD	11/13/19	TO15	75-15-0	Carbon Disulfide	1.8	J	0.47	2.7	ug/m3	J	sp	<PQL			
4402559901	RISG-28-5.0-20191113-FD	11/13/19	TO15SIM	91-20-3	Naphthalene	0.44	J	0.078	0.46	ug/m3	J	sp	<PQL			
4402559901	RISG-28-5.0-20191113-FD	11/13/19	TO15SIM	75-00-3	Chloroethane	0.22	J	0.034	0.23	ug/m3	J	sp	<PQL			
4402559901	RISG-28-5.0-20191113-FD	11/13/19	TO15SIM	74-87-3	Chloromethane	0.14	J	0.043	1.8	ug/m3	J	sp	<PQL			
4402559901	RISG-28-5.0-20191113-FD	11/13/19	TO15SIM	106-46-7	1,4-Dichlorobenzene	0.13	J	0.12	0.21	ug/m3	J	sp	<PQL			
4402559901	RISG-28-5.0-20191113-FD	11/13/19	TO15SIM	108-88-3	Toluene	0.57		0.1	0.33	ug/m3	J	fd	FD RPD	55	50	%
4402559901	RISG-28-5.0-20191113-FD	11/13/19	TO15SIMVOL	91-20-3	Naphthalene	0.085	J	0.015	0.088	ppbv	J	sp	<PQL			
4402559901	RISG-28-5.0-20191113-FD	11/13/19	TO15SIMVOL	106-46-7	1,4-Dichlorobenzene	0.021	J	0.02	0.035	ppbv	J	sp	<PQL			
4402559901	RISG-28-5.0-20191113-FD	11/13/19	TO15SIMVOL	75-00-3	Chloroethane	0.086	J	0.013	0.088	ppbv	J	sp	<PQL			
4402559901	RISG-28-5.0-20191113-FD	11/13/19	TO15SIMVOL	74-87-3	Chloromethane	0.066	J	0.021	0.88	ppbv	J	sp	<PQL			
4402559901	RISG-28-5.0-20191113-FD	11/13/19	TO15SIMVOL	108-88-3	Toluene	0.15		0.026	0.088	ppbv	J	fd	FD RPD	55	50	%
4402559901	RISG-28-5.0-20191113-FD	11/13/19	TO15VOL	75-15-0	Carbon Disulfide	0.59	J	0.15	0.88	ppbv	J	sp	<PQL			
4402559901	RISG-28-5.0-20191113-FD	11/13/19	TO15VOL	95-63-6	1,2,4-Trimethylbenzene	0.11	J	0.038	0.18	ppbv	J	sp	<PQL			
4402559901	RISG-28-5.0-20191113-FD	11/13/19	TO15VOL	120-82-1	1,2,4-Trichlorobenzene		U	0.32	0.88	ppbv	UJ	c	ICV %D	35.03	30	%
4402559901	RISG-28-5.0-20191113-FD	11/13/19	TO15VOL	75-09-2	Methylene Chloride	0.27	J	0.051	0.35	ppbv	J	sp	<PQL			
4402559901	RISG-28-5.0-20191113-FD	11/13/19	TO15VOL	64-17-5	Ethanol	1.5		0.18	0.88	ppbv	J	c	ICAL %RSD	39.788	30	%
4402559901	RISG-28-5.0-20191113-FD	11/13/19	TO15VOL	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.072	J	0.034	0.18	ppbv	J	sp	<PQL			
4402559901	RISG-28-5.0-20191113-FD	11/13/19	TO15VOL	78-93-3	2-Butanone	0.26	J	0.18	0.88	ppbv	J	sp	<PQL			
4402559901	RISG-28-15.0-20191113	11/13/19	TO15	64-17-5	Ethanol	15		0.36	1.8	ug/m3	J	c	ICAL %RSD	39.788	30	%
4402559901	RISG-28-15.0-20191113	11/13/19	TO15	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.62	J	0.28	1.4	ug/m3	J	sp	<PQL			
4402559901	RISG-28-15.0-20191113	11/13/19	TO15	75-15-0	Carbon Disulfide	0.56	J	0.5	2.9	ug/m3	J	sp	<PQL			
4402559901	RISG-28-15.0-20191113	11/13/19	TO15	110-82-7	Cyclohexane	0.45	J	0.17	0.64	ug/m3	J	sp	<PQL			
4402559901	RISG-28-15.0-20191113	11/13/19	TO15	120-82-1	1,2,4-Trichlorobenzene		U	2.5	6.9	ug/m3	UJ	c	ICV %D	35.03	30	%
4402559901	RISG-28-15.0-20191113	11/13/19	TO15	108-67-8	1,3,5-Trimethylbenzene	0.30	J	0.18	0.92	ug/m3	J	sp	<PQL			
4402559901	RISG-28-15.0-20191113	11/13/19	TO15	78-93-3	2-Butanone	0.85	J	0.56	2.8	ug/m3	J	sp	<PQL			
4402559901	RISG-28-15.0-20191113	11/13/19	TO15SIM	74-87-3	Chloromethane	0.66	J	0.046	1.9	ug/m3	J	sp	<PQL			
4402559901	RISG-28-15.0-20191113	11/13/19	TO15SIM	156-60-5	trans-1,2-Dichloroethene	0.059	J	0.057	0.74	ug/m3	J	sp	<PQL			
4402559901	RISG-28-15.0-20191113	11/13/19	TO15SIM	106-46-7	1,4-Dichlorobenzene	0.18	J	0.13	0.22	ug/m3	J	sp	<PQL			
4402559901	RISG-28-15.0-20191113	11/13/19	TO15SIMVOL	74-87-3	Chloromethane	0.32	J	0.022	0.94	ppbv	J	sp	<PQL			
4402559901	RISG-28-15.0-20191113	11/13/19	TO15SIMVOL	106-46-7	1,4-Dichlorobenzene	0.029	J	0.021	0.037	ppbv	J	sp	<PQL			
4402559901	RISG-28-15.0-20191113	11/13/19	TO15SIMVOL	156-60-5	trans-1,2-Dichloroethene	0.015	J	0.014	0.19	ppbv	J	sp	<PQL			
4402559901	RISG-28-15.0-20191113	11/13/19	TO15VOL	64-17-5	Ethanol	8.0		0.19	0.94	ppbv	J	c	ICAL %RSD	39.788	30	%
4402559901	RISG-28-15.0-20191113	11/13/19	TO15VOL	75-15-0	Carbon Disulfide	0.18	J	0.16	0.94	ppbv	J	sp	<PQL			
4402559901	RISG-28-15.0-20191113	11/13/19	TO15VOL	120-82-1	1,2,4-Trichlorobenzene		U	0.34	0.94	ppbv	UJ	c	ICV %D	35.03	30	%
4402559901	RISG-28-15.0-20191113	11/13/19	TO15VOL	78-93-3	2-Butanone	0.29	J	0.19	0.94	ppbv	J	sp	<PQL			
4402559901	RISG-28-15.0-20191113	11/13/19	TO15VOL	108-67-8	1,3,5-Trimethylbenzene	0.060	J	0.037	0.19	ppbv	J	sp	<PQL			
4402559901	RISG-28-15.0-20191113	11/13/19	TO15VOL	110-82-7	Cyclohexane	0.13	J	0.05	0.19	ppbv	J	sp	<PQL			
4402559901	RISG-28-15.0-20191113	11/13/19	TO15VOL	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.081	J	0.037	0.19	ppbv	J	sp	<PQL			
4402559901	RISG-31-5.0-20191114	11/14/19	TO15	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.51	J	0.22	1.3	ug/m3	J	sp	<PQL			
4402559901	RISG-31-5.0-20191114	11/14/19	TO15	64-17-5	Ethanol	0.71	J	0.36	1.6	ug/m3	J	sp	<PQL			
4402559901	RISG-31-5.0-20191114	11/14/19	TO15	541-73-1	1,3-Dichlorobenzene	0.25	J	0.22	1.0	ug/m3	J	sp	<PQL			
4402559901	RISG-31-5.0-20191114	11/14/19	TO15	110-82-7	Cyclohexane	0.41	J	0.095	0.60	ug/m3	J	sp	<PQL			
4402559901	RISG-31-5.0-20191114	11/14/19	TO15	78-93-3	2-Butanone	0.72	J	0.34	2.6	ug/m3	J	sp	<PQL			
4402559901	RISG-31-5.0-20191114	11/14/19	TO15	75-15-0	Carbon Disulfide	1.5	J	0.47	2.7	ug/m3	J	sp	<PQL			
4402559901	RISG-31-5.0-20191114	11/14/19	TO15	109-99-9	Tetrahydrofuran	0.40	J	0.37	2.6	ug/m3	J	sp	<PQL			
4402559901	RISG-31-5.0-20191114	11/14/19	TO15	108-90-7	Chlorobenzene	0.56	J	0.067	0.80	ug/m3	J	sp	<PQL			
4402559901	RISG-31-5.0-20191114	11/14/19	TO15SIM	100-41-4	Ethyl Benzene	0.014	J	0.0087	0.15	ug/m3	J	bl,bb,sp	blank contamination below PQL; <PQL	0.0078	0.0156	ug/m³
4402559901	RISG-31-5.0-20191114	11/14/19	TO15SIM	79-00-5	1,1,2-Trichloroethane	0.032	J	0.017	0.19	ug/m3	J	sp	<PQL			
4402559901	RISG-31-5.0-20191114	11/14/19	TO15SIM	75-71-8	Dichlorodifluoromethane	1.8	J-	0.011	0.17	ug/m3	J-	c	CCV %D	33.00823	30	%
4402559901	RISG-31-5.0-20191114	11/14/19	TO15SIM	156-60-5	trans-1,2-Dichloroethene	0.12	J	0.0085	0.68	ug/m3	J	sp	<PQL			
4402559901	RISG-31-5.0-20191114	11/14/19	TO15SIM	136777-61-2	m,p-xylene	0.032	J	0.0089	0.30	ug/m3	J	bl,bb,sp	blank contamination below PQL; <PQL	0.033	0.066	ug/m³
4402559901	RISG-31-5.0-20191114	11/14/19	TO15SIM	95-47-6	ortho-xylene	0.018	J	0.0075	0.15	ug/m3	J	bl,bb,sp	blank contamination below PQL; <PQL	0.012	0.024	ug/m³
4402559901	RISG-31-5.0-20191114	11/14/19	TO15SIM	108-88-3	Toluene	0.088	J	0.0095	0.32	ug/m3	J	bl,bb,sp	blank contamination below PQL; <PQL	0.015	0.03	ug/m³
4402559901	RISG-31-5.0-20191114	11/14/19	TO15SIM	74-87-3	Chloromethane	0.19	J	0.13	1.8	ug/m3	J	sp	<PQL			

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator	Qualification Finding	Acceptance Criteria	
4402559901	RISG-31-5.0-20191114	11/14/19	TO15SIM	71-43-2	Benzene	0.23	J	0.018	0.28	ug/m3	J	sp	<PQL			
4402559901	RISG-31-5.0-20191114	11/14/19	TO15SIMVOL	136777-61-2	m,p-xylene	0.0075	J	0.002	0.069	ppbv	J	bl,bb,sp	blank contamination below PQL; <PQL	0.033	0.066	ug/m³
4402559901	RISG-31-5.0-20191114	11/14/19	TO15SIMVOL	108-88-3	Toluene	0.023	J	0.0025	0.086	ppbv	J	bl,bb,sp	blank contamination below PQL; <PQL	0.015	0.03	ug/m³
4402559901	RISG-31-5.0-20191114	11/14/19	TO15SIMVOL	95-47-6	ortho-xylene	0.0042	J	0.0017	0.035	ppbv	J	bl,bb,sp	blank contamination below PQL; <PQL	0.012	0.024	ug/m³
4402559901	RISG-31-5.0-20191114	11/14/19	TO15SIMVOL	79-00-5	1,1,2-Trichloroethane	0.0059	J	0.003	0.035	ppbv	J	sp	<PQL			
4402559901	RISG-31-5.0-20191114	11/14/19	TO15SIMVOL	100-41-4	Ethyl Benzene	0.0032	J	0.002	0.035	ppbv	J	bl,bb,sp	blank contamination below PQL; <PQL	0.0078	0.0156	ug/m³
4402559901	RISG-31-5.0-20191114	11/14/19	TO15SIMVOL	156-60-5	trans-1,2-Dichloroethene	0.030	J	0.0021	0.17	ppbv	J	sp	<PQL			
4402559901	RISG-31-5.0-20191114	11/14/19	TO15SIMVOL	71-43-2	Benzene	0.072	J	0.0058	0.086	ppbv	J	sp	<PQL			
4402559901	RISG-31-5.0-20191114	11/14/19	TO15SIMVOL	74-87-3	Chloromethane	0.094	J	0.0065	0.86	ppbv	J	sp	<PQL			
4402559901	RISG-31-5.0-20191114	11/14/19	TO15SIMVOL	75-71-8	Dichlorodifluoromethane	0.36	J-	0.0022	0.035	ppbv	J-	c	CCV %D	33.00823	30	%
4402559901	RISG-31-5.0-20191114	11/14/19	TO15VOL	75-15-0	Carbon Disulfide	0.48	J	0.15	0.86	ppbv	J	sp	<PQL			
4402559901	RISG-31-5.0-20191114	11/14/19	TO15VOL	78-93-3	2-Butanone	0.24	J	0.12	0.86	ppbv	J	sp	<PQL			
4402559901	RISG-31-5.0-20191114	11/14/19	TO15VOL	109-99-9	Tetrahydrofuran	0.14	J	0.12	0.86	ppbv	J	sp	<PQL			
4402559901	RISG-31-5.0-20191114	11/14/19	TO15VOL	108-90-7	Chlorobenzene	0.12	J	0.015	0.17	ppbv	J	sp	<PQL			
4402559901	RISG-31-5.0-20191114	11/14/19	TO15VOL	110-82-7	Cyclohexane	0.12	J	0.028	0.17	ppbv	J	sp	<PQL			
4402559901	RISG-31-5.0-20191114	11/14/19	TO15VOL	64-17-5	Ethanol	0.37	J	0.19	0.86	ppbv	J	sp	<PQL			
4402559901	RISG-31-5.0-20191114	11/14/19	TO15VOL	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.067	J	0.028	0.17	ppbv	J	sp	<PQL			
4402559901	RISG-31-5.0-20191114	11/14/19	TO15VOL	541-73-1	1,3-Dichlorobenzene	0.041	J	0.037	0.17	ppbv	J	sp	<PQL			
4402559901	RISG-32-5.0-20191114	11/14/19	TO15	64-17-5	Ethanol	0.52	J	0.34	1.5	ug/m3	J	sp	<PQL			
4402559901	RISG-32-5.0-20191114	11/14/19	TO15	110-82-7	Cyclohexane	0.088	J	0.088	0.55	ug/m3	J	sp	<PQL			
4402559901	RISG-32-5.0-20191114	11/14/19	TO15	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.53	J	0.2	1.2	ug/m3	J	sp	<PQL			
4402559901	RISG-32-5.0-20191114	11/14/19	TO15	78-93-3	2-Butanone	0.48	J	0.32	2.4	ug/m3	J	sp	<PQL			
4402559901	RISG-32-5.0-20191114	11/14/19	TO15SIM	107-06-2	1,2-Dichloroethane	0.015	J	0.008	0.13	ug/m3	J	sp	<PQL			
4402559901	RISG-32-5.0-20191114	11/14/19	TO15SIM	95-47-6	ortho-xylene	0.012	J	0.0069	0.14	ug/m3	J	bl,bb,sp	blank contamination below PQL; <PQL	0.012	0.024	ug/m³
4402559901	RISG-32-5.0-20191114	11/14/19	TO15SIM	136777-61-2	m,p-xylene	0.029	J	0.0083	0.28	ug/m3	J	bl,bb,sp	blank contamination below PQL; <PQL	0.033	0.066	ug/m³
4402559901	RISG-32-5.0-20191114	11/14/19	TO15SIM	75-71-8	Dichlorodifluoromethane	1.9	J-	0.01	0.16	ug/m3	J-	c	CCV %D	33.00823	30	%
4402559901	RISG-32-5.0-20191114	11/14/19	TO15SIM	108-88-3	Toluene	0.036	J	0.0088	0.30	ug/m3	J	bl,bb,sp	blank contamination below PQL; <PQL	0.015	0.03	ug/m³
4402559901	RISG-32-5.0-20191114	11/14/19	TO15SIM	71-43-2	Benzene	0.039	J	0.017	0.26	ug/m3	J	sp	<PQL			
4402559901	RISG-32-5.0-20191114	11/14/19	TO15SIMVOL	136777-61-2	m,p-xylene	0.0066	J	0.0019	0.064	ppbv	J	bl,bb,sp	blank contamination below PQL; <PQL	0.033	0.066	ug/m³
4402559901	RISG-32-5.0-20191114	11/14/19	TO15SIMVOL	108-88-3	Toluene	0.0097	J	0.0023	0.080	ppbv	J	bl,bb,sp	blank contamination below PQL; <PQL	0.015	0.03	ug/m³
4402559901	RISG-32-5.0-20191114	11/14/19	TO15SIMVOL	107-06-2	1,2-Dichloroethane	0.0038	J	0.002	0.032	ppbv	J	sp	<PQL			
4402559901	RISG-32-5.0-20191114	11/14/19	TO15SIMVOL	95-47-6	ortho-xylene	0.0028	J	0.0016	0.032	ppbv	J	bl,bb,sp	blank contamination below PQL; <PQL	0.012	0.024	ug/m³
4402559901	RISG-32-5.0-20191114	11/14/19	TO15SIMVOL	75-71-8	Dichlorodifluoromethane	0.38	J-	0.002	0.032	ppbv	J-	c	CCV %D	33.00823	30	%
4402559901	RISG-32-5.0-20191114	11/14/19	TO15SIMVOL	71-43-2	Benzene	0.012	J	0.0053	0.080	ppbv	J	sp	<PQL			
4402559901	RISG-32-5.0-20191114	11/14/19	TO15VOL	78-93-3	2-Butanone	0.16	J	0.11	0.80	ppbv	J	sp	<PQL			
4402559901	RISG-32-5.0-20191114	11/14/19	TO15VOL	64-17-5	Ethanol	0.28	J	0.18	0.80	ppbv	J	sp	<PQL			
4402559901	RISG-32-5.0-20191114	11/14/19	TO15VOL	110-82-7	Cyclohexane	0.026	J	0.026	0.16	ppbv	J	sp	<PQL			
4402559901	RISG-32-5.0-20191114	11/14/19	TO15VOL	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.070	J	0.026	0.16	ppbv	J	sp	<PQL			
4402559901	RISG-32-15.0-20191114	11/14/19	TO15	110-82-7	Cyclohexane	0.12	J	0.093	0.58	ug/m3	J	sp	<PQL			
4402559901	RISG-32-15.0-20191114	11/14/19	TO15	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.49	J	0.21	1.3	ug/m3	J	sp	<PQL			
4402559901	RISG-32-15.0-20191114	11/14/19	TO15	75-27-4	Bromodichloromethane	0.27	J	0.18	1.1	ug/m3	J	sp	<PQL			
4402559901	RISG-32-15.0-20191114	11/14/19	TO15	78-93-3	2-Butanone	2.0	J	0.34	2.5	ug/m3	J	sp	<PQL			
4402559901	RISG-32-15.0-20191114	11/14/19	TO15	64-17-5	Ethanol	1.5	J	0.36	1.6	ug/m3	J	sp	<PQL			
4402559901	RISG-32-15.0-20191114	11/14/19	TO15SIM	75-71-8	Dichlorodifluoromethane	1.8	J-	0.011	0.17	ug/m3	J-	c	CCV %D	33.00823	30	%
4402559901	RISG-32-15.0-20191114	11/14/19	TO15SIM	156-60-5	trans-1,2-Dichloroethene	0.054	J	0.0083	0.67	ug/m3	J	sp	<PQL			
4402559901	RISG-32-15.0-20191114	11/14/19	TO15SIM	71-43-2	Benzene	0.13	J	0.018	0.27	ug/m3	J	sp	<PQL			
4402559901	RISG-32-15.0-20191114	11/14/19	TO15SIM	108-88-3	Toluene	0.053	J	0.0093	0.32	ug/m3	J	bl,bb,sp	blank contamination below PQL; <PQL	0.015	0.03	ug/m³
4402559901	RISG-32-15.0-20191114	11/14/19	TO15SIM	136777-61-2	m,p-xylene	0.036	J	0.0087	0.29	ug/m3	J	bl,bb,sp	blank contamination below PQL; <PQL	0.033	0.066	ug/m³
4402559901	RISG-32-15.0-20191114	11/14/19	TO15SIM	100-41-4	Ethyl Benzene	0.013	J	0.0085	0.15	ug/m3	J	bl,bb,sp	blank contamination below PQL; <PQL	0.0078	0.0156	ug/m³
4402559901	RISG-32-15.0-20191114	11/14/19	TO15SIM	95-47-6	ortho-xylene	0.017	J	0.0073	0.15	ug/m3	J	bl,bb,sp	blank contamination below PQL; <PQL	0.012	0.024	ug/m³
4402559901	RISG-32-15.0-20191114	11/14/19	TO15SIMVOL	136777-61-2	m,p-xylene	0.0082	J	0.002	0.068	ppbv	J	bl,bb,sp	blank contamination below PQL; <PQL	0.033	0.066	ug/m³
4402559901	RISG-32-15.0-20191114	11/14/19	TO15SIMVOL	71-43-2	Benzene	0.040	J	0.0056	0.084	ppbv	J	sp	<PQL			
4402559901	RISG-32-15.0-20191114	11/14/19	TO15SIMVOL	108-88-3	Toluene	0.014	J	0.0025	0.084	ppbv	J	bl,bb,sp	blank contamination below PQL; <PQL	0.015	0.03	ug/m³
4402559901	RISG-32-15.0-20191114	11/14/19	TO15SIMVOL	95-47-6	ortho-xylene	0.0040	J	0.0017	0.034	ppbv	J	bl,bb,sp	blank contamination below PQL; <PQL	0.012	0.024	ug/m³
4402559901	RISG-32-15.0-20191114	11/14/19	TO15SIMVOL	75-71-8	Dichlorodifluoromethane	0.37	J-	0.0021	0.034	ppbv	J-	c	CCV %D	33.00823	30	%
4402559901	RISG-32-15.0-20191114	11/14/19	TO15SIMVOL	100-41-4	Ethyl Benzene	0.0029	J	0.002	0.034	ppbv	J	bl,bb,sp	blank contamination below PQL; <PQL	0.0078	0.0156	ug/m³
4402559901	RISG-32-15.0-20191114	11/14/19	TO15SIMVOL	156-60-5	trans-1,2-Dichloroethene	0.014	J	0.0021	0.17	ppbv	J	sp	<PQL			
4402559901	RISG-32-15.0-20191114	11/14/19	TO15VOL	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.064	J	0.027	0.17	ppbv	J	sp	<PQL			
4402559901	RISG-32-15.0-20191114	11/14/19	TO15VOL	78-93-3	2-Butanone	0.69	J	0.11	0.84	ppbv	J	sp	<PQL			
4402559901	RISG-32-15.0-20191114	11/14/19	TO15VOL	110-82-7	Cyclohexane	0.035	J	0.027	0.17	ppbv	J	sp	<PQL			
4402559901	RISG-32-15.0-20191114	11/14/19	TO15VOL	64-17-5	Ethanol	0.78	J	0.19	0.84	ppbv	J	sp	<PQL			
4402559901	RISG-32-15.0-20191114	11/14/19	TO15VOL	75-27-4	Bromodichloromethane	0.040	J	0.027	0.17	ppbv	J	sp	<PQL			
4402559901	RISG-33-5.0-20191114	11/14/19	TO15	87-68-3	Hexachlorobutadiene	12	J	6.6	46	ug/m3	J	sp	<PQL			
4402559901	RISG-33-5.0-20191114	11/14/19	TO15	120-82-1	1,2,4-Trichlorobenzene	21	J	6.4	32	ug/m3	J	bl,bb,sp	blank contamination below PQL; <PQL	0.76	1.52	ug/m³
4402559901	RISG-33-5.0-20191114	11/14/19	TO15	67-64-1	Acetone	4.0	J	3	21	ug/m3	J	sp	<PQL			
4402559901	RISG-33-5.0-20191114	11/14/19	TO15	95-50-1	1,2-Dichlorobenzene	4.9	J	0.79	5.2	ug/m3	J	sp	<PQL			

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator	Qualification Finding	Acceptance Criteria	
4402559901	RISG-33-5.0-20191114	11/14/19	TO15	108-90-7	Chlorobenzene	2.5	J	0.34	4.0	ug/m3	J	sp	<PQL			
4402559901	RISG-33-5.0-20191114	11/14/19	TO15	75-69-4	Trichlorofluoromethane	1.3	J	0.56	4.9	ug/m3	J	sp	<PQL			
4402559901	RISG-33-5.0-20191114	11/14/19	TO15SIM	95-47-6	ortho-xylene	0.17	J	0.038	0.76	ug/m3	J	bl,bb,sp	blank contamination below PQL; <PQL	0.012	0.024	ug/m³
4402559901	RISG-33-5.0-20191114	11/14/19	TO15SIM	75-71-8	Dichlorodifluoromethane	1.9	J-	0.055	0.86	ug/m3	J-	c	CCV %D	33.00823	30	%
4402559901	RISG-33-5.0-20191114	11/14/19	TO15SIM	56-23-5	Carbon Tetrachloride	0.43	J	0.32	1.1	ug/m3	J	sp	<PQL			
4402559901	RISG-33-5.0-20191114	11/14/19	TO15SIM	156-60-5	trans-1,2-Dichloroethene	0.44	J	0.043	3.4	ug/m3	J	sp	<PQL			
4402559901	RISG-33-5.0-20191114	11/14/19	TO15SIM	75-01-4	Vinyl Chloride	0.086	J	0.032	0.22	ug/m3	J	sp	<PQL			
4402559901	RISG-33-5.0-20191114	11/14/19	TO15SIM	136777-61-2	m,p-xylene	0.21	J	0.045	1.5	ug/m3	J	bl,bb,sp	blank contamination below PQL; <PQL	0.033	0.066	ug/m³
4402559901	RISG-33-5.0-20191114	11/14/19	TO15SIM	71-43-2	Benzene	0.91	J	0.093	1.4	ug/m3	J	sp	<PQL			
4402559901	RISG-33-5.0-20191114	11/14/19	TO15SIM	108-88-3	Toluene	0.097	J	0.048	1.6	ug/m3	J	bl,bb,sp	blank contamination below PQL; <PQL	0.015	0.03	ug/m³
4402559901	RISG-33-5.0-20191114	11/14/19	TO15SIMVOL	108-88-3	Toluene	0.026	J	0.013	0.44	ppbv	J	bl,bb,sp	blank contamination below PQL; <PQL	0.015	0.03	ug/m³
4402559901	RISG-33-5.0-20191114	11/14/19	TO15SIMVOL	136777-61-2	m,p-xylene	0.048	J	0.01	0.35	ppbv	J	bl,bb,sp	blank contamination below PQL; <PQL	0.033	0.066	ug/m³
4402559901	RISG-33-5.0-20191114	11/14/19	TO15SIMVOL	75-01-4	Vinyl Chloride	0.033	J	0.013	0.087	ppbv	J	sp	<PQL			
4402559901	RISG-33-5.0-20191114	11/14/19	TO15SIMVOL	75-71-8	Dichlorodifluoromethane	0.38	J-	0.011	0.17	ppbv	J-	c	CCV %D	33.00823	30	%
4402559901	RISG-33-5.0-20191114	11/14/19	TO15SIMVOL	71-43-2	Benzene	0.29	J	0.029	0.44	ppbv	J	sp	<PQL			
4402559901	RISG-33-5.0-20191114	11/14/19	TO15SIMVOL	56-23-5	Carbon Tetrachloride	0.068	J	0.052	0.17	ppbv	J	sp	<PQL			
4402559901	RISG-33-5.0-20191114	11/14/19	TO15SIMVOL	95-47-6	ortho-xylene	0.040	J	0.0087	0.17	ppbv	J	bl,bb,sp	blank contamination below PQL; <PQL	0.012	0.024	ug/m³
4402559901	RISG-33-5.0-20191114	11/14/19	TO15SIMVOL	156-60-5	trans-1,2-Dichloroethene	0.11	J	0.011	0.87	ppbv	J	sp	<PQL			
4402559901	RISG-33-5.0-20191114	11/14/19	TO15VOL	75-69-4	Trichlorofluoromethane	0.22	J	0.1	0.87	ppbv	J	sp	<PQL			
4402559901	RISG-33-5.0-20191114	11/14/19	TO15VOL	108-90-7	Chlorobenzene	0.54	J	0.073	0.87	ppbv	J	sp	<PQL			
4402559901	RISG-33-5.0-20191114	11/14/19	TO15VOL	95-50-1	1,2-Dichlorobenzene	0.82	J	0.13	0.87	ppbv	J	sp	<PQL			
4402559901	RISG-33-5.0-20191114	11/14/19	TO15VOL	120-82-1	1,2,4-Trichlorobenzene	2.8	J	0.86	4.4	ppbv	J	bl,bb,sp	blank contamination below PQL; <PQL	0.76	1.52	ug/m³
4402559901	RISG-33-5.0-20191114	11/14/19	TO15VOL	67-64-1	Acetone	1.7	J	1.2	8.7	ppbv	J	sp	<PQL			
4402559901	RISG-33-5.0-20191114	11/14/19	TO15VOL	87-68-3	Hexachlorobutadiene	1.1	J	0.62	4.4	ppbv	J	sp	<PQL			
4402559901	RISG-33-15.0-20191114	11/14/19	TO15	67-64-1	Acetone	6.2	J	6.1	42	ug/m3	J	sp	<PQL			
4402559901	RISG-33-15.0-20191114	11/14/19	TO15	87-68-3	Hexachlorobutadiene	54	J	14	94	ug/m3	J	sp	<PQL			
4402559901	RISG-33-15.0-20191114	11/14/19	TO15	75-69-4	Trichlorofluoromethane	1.2	J	1.1	9.9	ug/m3	J	sp	<PQL			
4402559901	RISG-33-15.0-20191114	11/14/19	TO15	78-87-5	1,2-Dichloropropane	1.9	J	1.5	8.2	ug/m3	J	sp	<PQL			
4402559901	RISG-33-15.0-20191114	11/14/19	TO15SIM	108-88-3	Toluene	0.26	J	0.097	3.3	ug/m3	J	bl,bb,sp	blank contamination below PQL; <PQL	0.015	0.03	ug/m³
4402559901	RISG-33-15.0-20191114	11/14/19	TO15SIM	156-59-2	cis-1,2-Dichloroethene	0.19	J	0.08	1.4	ug/m3	J	sp	<PQL			
4402559901	RISG-33-15.0-20191114	11/14/19	TO15SIM	156-60-5	trans-1,2-Dichloroethene	1.7	J	0.087	7.0	ug/m3	J	sp	<PQL			
4402559901	RISG-33-15.0-20191114	11/14/19	TO15SIM	75-71-8	Dichlorodifluoromethane	2.0	J-	0.11	1.8	ug/m3	J-	c	CCV %D	33.00823	30	%
4402559901	RISG-33-15.0-20191114	11/14/19	TO15SIM	136777-61-2	m,p-xylene	0.82	J	0.091	3.1	ug/m3	J	bl,bb,sp	blank contamination below PQL; <PQL	0.033	0.066	ug/m³
4402559901	RISG-33-15.0-20191114	11/14/19	TO15SIM	95-47-6	ortho-xylene	0.54	J	0.077	1.5	ug/m3	J	bl,bb,sp	blank contamination below PQL; <PQL	0.012	0.024	ug/m³
4402559901	RISG-33-15.0-20191114	11/14/19	TO15SIMVOL	108-88-3	Toluene	0.069	J	0.026	0.88	ppbv	J	bl,bb,sp	blank contamination below PQL; <PQL	0.015	0.03	ug/m³
4402559901	RISG-33-15.0-20191114	11/14/19	TO15SIMVOL	156-59-2	cis-1,2-Dichloroethene	0.048	J	0.2	0.35	ppbv	J	sp	<PQL			
4402559901	RISG-33-15.0-20191114	11/14/19	TO15SIMVOL	136777-61-2	m,p-xylene	0.19	J	0.021	0.71	ppbv	J	bl,bb,sp	blank contamination below PQL; <PQL	0.033	0.066	ug/m³
4402559901	RISG-33-15.0-20191114	11/14/19	TO15SIMVOL	95-47-6	ortho-xylene	0.12	J	0.018	0.35	ppbv	J	bl,bb,sp	blank contamination below PQL; <PQL	0.012	0.024	ug/m³
4402559901	RISG-33-15.0-20191114	11/14/19	TO15SIMVOL	156-60-5	trans-1,2-Dichloroethene	0.44	J	0.022	1.8	ppbv	J	sp	<PQL			
4402559901	RISG-33-15.0-20191114	11/14/19	TO15SIMVOL	75-71-8	Dichlorodifluoromethane	0.41	J-	0.022	0.35	ppbv	J-	c	CCV %D	33.00823	30	%
4402559901	RISG-33-15.0-20191114	11/14/19	TO15VOL	87-68-3	Hexachlorobutadiene	5.0	J	1.3	8.8	ppbv	J	sp	<PQL			
4402559901	RISG-33-15.0-20191114	11/14/19	TO15VOL	78-87-5	1,2-Dichloropropane	0.42	J	0.32	1.8	ppbv	J	sp	<PQL			
4402559901	RISG-33-15.0-20191114	11/14/19	TO15VOL	75-69-4	Trichlorofluoromethane	0.22	J	0.2	1.8	ppbv	J	sp	<PQL			
4402559901	RISG-33-15.0-20191114	11/14/19	TO15VOL	67-64-1	Acetone	2.6	J	2.6	18	ppbv	J	sp	<PQL			
4402559901	RISG-34-5.0-20191114	11/14/19	TO15	64-17-5	Ethanol	0.52	J	0.38	1.7	ug/m3	J	sp	<PQL			
4402559901	RISG-34-5.0-20191114	11/14/19	TO15	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.56	J	0.22	1.4	ug/m3	J	sp	<PQL			
4402559901	RISG-34-5.0-20191114	11/14/19	TO15	110-82-7	Cyclohexane	0.26	J	0.099	0.62	ug/m3	J	sp	<PQL			
4402559901	RISG-34-5.0-20191114	11/14/19	TO15	108-90-7	Chlorobenzene	0.20	J	0.07	0.83	ug/m3	J	sp	<PQL			
4402559901	RISG-34-5.0-20191114	11/14/19	TO15	67-64-1	Acetone	3.1	J	0.62	4.3	ug/m3	J	sp	<PQL			
4402559901	RISG-34-5.0-20191114	11/14/19	TO15	78-93-3	2-Butanone	0.55	J	0.36	2.6	ug/m3	J	sp	<PQL			
4402559901	RISG-34-5.0-20191114	11/14/19	TO15SIM	71-43-2	Benzene	0.055	J	0.019	0.29	ug/m3	J	sp	<PQL			
4402559901	RISG-34-5.0-20191114	11/14/19	TO15SIM	136777-61-2	m,p-xylene	0.048	J	0.0093	0.31	ug/m3	J	bl,bb,sp	blank contamination below PQL; <PQL	0.033	0.066	ug/m³
4402559901	RISG-34-5.0-20191114	11/14/19	TO15SIM	100-41-4	Ethyl Benzene	0.025	J	0.0091	0.16	ug/m3	J	bl,bb,sp	blank contamination below PQL; <PQL	0.0078	0.0156	ug/m³
4402559901	RISG-34-5.0-20191114	11/14/19	TO15SIM	75-71-8	Dichlorodifluoromethane	1.8	J-	0.011	0.18	ug/m3	J-	c	CCV %D	33.00823	30	%
4402559901	RISG-34-5.0-20191114	11/14/19	TO15SIM	79-01-6	Trichloroethene	0.18	J	0.008	0.19	ug/m3	J	sp	<PQL			
4402559901	RISG-34-5.0-20191114	11/14/19	TO15SIM	108-88-3	Toluene	0.044	J	0.0099	0.34	ug/m3	J	bl,bb,sp	blank contamination below PQL; <PQL	0.015	0.03	ug/m³
4402559901	RISG-34-5.0-20191114	11/14/19	TO15SIM	95-47-6	ortho-xylene	0.018	J	0.0078	0.16	ug/m3	J	bl,bb,sp	blank contamination below PQL; <PQL	0.012	0.024	ug/m³
4402559901	RISG-34-5.0-20191114	11/14/19	TO15SIM	75-35-4	1,1-Dichloroethene	0.036	J	0.016	0.071	ug/m3	J	sp	<PQL			
4402559901	RISG-34-5.0-20191114	11/14/19	TO15SIMVOL	95-47-6	ortho-xylene	0.0042	J	0.0018	0.036	ppbv	J	bl,bb,sp	blank contamination below PQL; <PQL	0.012	0.024	ug/m³
4402559901	RISG-34-5.0-20191114	11/14/19	TO15SIMVOL	136777-61-2	m,p-xylene	0.011	J	0.0021	0.072	ppbv	J	bl,bb,sp	blank contamination below PQL; <PQL	0.033	0.066	ug/m³
4402559901	RISG-34-5.0-20191114	11/14/19	TO15SIMVOL	75-35-4	1,1-Dichloroethene	0.0091	J	0.0041	0.018	ppbv	J	sp	<PQL			
4402559901	RISG-34-5.0-20191114	11/14/19	TO15SIMVOL	71-43-2	Benzene	0.017	J	0.006	0.090	ppbv	J	sp	<PQL			
4402559901	RISG-34-5.0-20191114	11/14/19	TO15SIMVOL	108-88-3	Toluene	0.012	J	0.0026	0.090	ppbv	J	bl,bb,sp	blank contamination below PQL; <PQL	0.015	0.03	ug/m³
4402559901	RISG-34-5.0-20191114	11/14/19	TO15SIMVOL	79-01-6	Trichloroethene	0.034	J	0.0015	0.036	ppbv	J	sp	<PQL			
4402559901	RISG-34-5.0-20191114	11/14/19	TO15SIMVOL	100-41-4	Ethyl Benzene	0.0057	J	0.0021	0.036	ppbv	J	bl,bb,sp	blank contamination below PQL; <PQL	0.0078	0.0156	ug/m³
4402559901	RISG-34-5.0-20191114	11/14/19	TO15SIMVOL	75-71-8	Dichlorodifluoromethane	0.37	J-	0.0023	0.036	ppbv	J-	c	CCV %D	33.00823	30	%

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator	Qualification Finding	Acceptance Criteria	
4402559901	RISG-34-5.0-20191114	11/14/19	TO15VOL	67-64-1	Acetone	1.3	J	0.26	1.8	ppbv	J	sp	<PQL			
4402559901	RISG-34-5.0-20191114	11/14/19	TO15VOL	108-90-7	Chlorobenzene	0.044	J	0.015	0.18	ppbv	J	sp	<PQL			
4402559901	RISG-34-5.0-20191114	11/14/19	TO15VOL	78-93-3	2-Butanone	0.18	J	0.12	0.90	ppbv	J	sp	<PQL			
4402559901	RISG-34-5.0-20191114	11/14/19	TO15VOL	64-17-5	Ethanol	0.28	J	0.2	0.90	ppbv	J	sp	<PQL			
4402559901	RISG-34-5.0-20191114	11/14/19	TO15VOL	110-82-7	Cyclohexane	0.075	J	0.029	0.18	ppbv	J	sp	<PQL			
4402559901	RISG-34-5.0-20191114	11/14/19	TO15VOL	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.073	J	0.029	0.18	ppbv	J	sp	<PQL			
4402559901	RISG-34-15.0-20191114	11/14/19	TO15	75-27-4	Bromodichloromethane	0.48	J	0.19	1.2	ug/m3	J	sp	<PQL			
4402559901	RISG-34-15.0-20191114	11/14/19	TO15	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.52	J	0.21	1.3	ug/m3	J	sp	<PQL			
4402559901	RISG-34-15.0-20191114	11/14/19	TO15	64-17-5	Ethanol	0.81	J	0.36	1.6	ug/m3	J	sp	<PQL			
4402559901	RISG-34-15.0-20191114	11/14/19	TO15	67-64-1	Acetone	4.0	J	0.59	4.1	ug/m3	J	sp	<PQL			
4402559901	RISG-34-15.0-20191114	11/14/19	TO15	78-93-3	2-Butanone	0.80	J	0.34	2.5	ug/m3	J	sp	<PQL			
4402559901	RISG-34-15.0-20191114	11/14/19	TO15	110-82-7	Cyclohexane	0.26	J	0.094	0.59	ug/m3	J	sp	<PQL			
4402559901	RISG-34-15.0-20191114	11/14/19	TO15	95-63-6	1,2,4-Trimethylbenzene	0.14	J	0.062	0.84	ug/m3	J	sp	<PQL			
4402559901	RISG-34-15.0-20191114	11/14/19	TO15	109-99-9	Tetrahydrofuran	0.65	J	0.37	2.5	ug/m3	J	sp	<PQL			
4402559901	RISG-34-15.0-20191114	11/14/19	TO15	75-15-0	Carbon Disulfide	0.73	J	0.47	2.7	ug/m3	J	sp	<PQL			
4402559901	RISG-34-15.0-20191114	11/14/19	TO15	87-68-3	Hexachlorobutadiene	6.8	J	1.3	9.2	ug/m3	J	sp	<PQL			
4402559901	RISG-34-15.0-20191114	11/14/19	TO15SIM	95-47-6	ortho-xylene	0.073	J	0.0075	0.15	ug/m3	J	bl,bb,sp	blank contamination below PQL; <PQL	0.012	0.024	ug/m³
4402559901	RISG-34-15.0-20191114	11/14/19	TO15SIM	156-60-5	trans-1,2-Dichloroethene	0.080	J	0.0084	0.68	ug/m3	J	sp	<PQL			
4402559901	RISG-34-15.0-20191114	11/14/19	TO15SIM	75-71-8	Dichlorodifluoromethane	1.8	J-	0.0011	0.17	ug/m3	J-	c	CCV %D	33.00823	30	%
4402559901	RISG-34-15.0-20191114	11/14/19	TO15SIM	100-41-4	Ethyl Benzene	0.084	J	0.0087	0.15	ug/m3	J	bl,bb,sp	blank contamination below PQL; <PQL	0.0078	0.0156	ug/m³
4402559901	RISG-34-15.0-20191114	11/14/19	TO15SIM	74-87-3	Chloromethane	0.29	J	0.13	1.8	ug/m3	J	sp	<PQL			
4402559901	RISG-34-15.0-20191114	11/14/19	TO15SIM	136777-61-2	m,p-xylene	0.16	J	0.0089	0.30	ug/m3	J	bl,bb,sp	blank contamination below PQL; <PQL	0.033	0.066	ug/m³
4402559901	RISG-34-15.0-20191114	11/14/19	TO15SIMVOL	74-87-3	Chloromethane	0.14	J	0.0065	0.86	ppbv	J	sp	<PQL			
4402559901	RISG-34-15.0-20191114	11/14/19	TO15SIMVOL	100-41-4	Ethyl Benzene	0.019	J	0.002	0.034	ppbv	J	bl,bb,sp	blank contamination below PQL; <PQL	0.0078	0.0156	ug/m³
4402559901	RISG-34-15.0-20191114	11/14/19	TO15SIMVOL	95-47-6	ortho-xylene	0.017	J	0.0017	0.034	ppbv	J	bl,bb,sp	blank contamination below PQL; <PQL	0.012	0.024	ug/m³
4402559901	RISG-34-15.0-20191114	11/14/19	TO15SIMVOL	136777-61-2	m,p-xylene	0.037	J	0.002	0.069	ppbv	J	bl,bb,sp	blank contamination below PQL; <PQL	0.033	0.066	ug/m³
4402559901	RISG-34-15.0-20191114	11/14/19	TO15SIMVOL	156-60-5	trans-1,2-Dichloroethene	0.020	J	0.0021	0.17	ppbv	J	sp	<PQL			
4402559901	RISG-34-15.0-20191114	11/14/19	TO15SIMVOL	75-71-8	Dichlorodifluoromethane	0.38	J-	0.0022	0.034	ppbv	J-	c	CCV %D	33.00823	30	%
4402559901	RISG-34-15.0-20191114	11/14/19	TO15VOL	95-63-6	1,2,4-Trimethylbenzene	0.030	J	0.012	0.17	ppbv	J	sp	<PQL			
4402559901	RISG-34-15.0-20191114	11/14/19	TO15VOL	75-15-0	Carbon Disulfide	0.23	J	0.15	0.86	ppbv	J	sp	<PQL			
4402559901	RISG-34-15.0-20191114	11/14/19	TO15VOL	87-68-3	Hexachlorobutadiene	0.64	J	0.12	0.86	ppbv	J	sp	<PQL			
4402559901	RISG-34-15.0-20191114	11/14/19	TO15VOL	109-99-9	Tetrahydrofuran	0.22	J	0.12	0.86	ppbv	J	sp	<PQL			
4402559901	RISG-34-15.0-20191114	11/14/19	TO15VOL	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.068	J	0.028	0.17	ppbv	J	sp	<PQL			
4402559901	RISG-34-15.0-20191114	11/14/19	TO15VOL	78-93-3	2-Butanone	0.27	J	0.12	0.86	ppbv	J	sp	<PQL			
4402559901	RISG-34-15.0-20191114	11/14/19	TO15VOL	67-64-1	Acetone	1.7	J	0.25	1.7	ppbv	J	sp	<PQL			
4402559901	RISG-34-15.0-20191114	11/14/19	TO15VOL	110-82-7	Cyclohexane	0.074	J	0.027	0.17	ppbv	J	sp	<PQL			
4402559901	RISG-34-15.0-20191114	11/14/19	TO15VOL	75-27-4	Bromodichloromethane	0.072	J	0.028	0.17	ppbv	J	sp	<PQL			
4402559901	RISG-34-15.0-20191114	11/14/19	TO15VOL	64-17-5	Ethanol	0.43	J	0.19	0.86	ppbv	J	sp	<PQL			
4402559901	RISG-3-5.0-20191113	11/13/19	TO15	120-82-1	1,2,4-Trichlorobenzene		U	23	62	ug/m3	UJ	c	ICV %D	35.03	30	%
4402559901	RISG-3-5.0-20191113	11/13/19	TO15	64-17-5	Ethanol		U	3.3	16	ug/m3	UJ	c	ICAL %RSD	39.788	30	%
4402559901	RISG-3-5.0-20191113	11/13/19	TO15SIM	75-34-3	1,1-Dichloroethane	0.52	J	0.45	1.4	ug/m3	J	sp	<PQL			
4402559901	RISG-3-5.0-20191113	11/13/19	TO15SIMVOL	75-34-3	1,1-Dichloroethane	0.13	J	0.11	0.34	ppbv	J	sp	<PQL			
4402559901	RISG-3-5.0-20191113	11/13/19	TO15VOL	120-82-1	1,2,4-Trichlorobenzene		U	3	8.4	ppbv	UJ	c	ICV %D	35.03	30	%
4402559901	RISG-3-5.0-20191113	11/13/19	TO15VOL	64-17-5	Ethanol		U	1.7	8.4	ppbv	UJ	c	ICAL %RSD	39.788	30	%
4402559901	RISG-7-10.0-20191111	11/11/19	TO15	95-63-6	1,2,4-Trimethylbenzene	0.56	J	0.23	1.1	ug/m3	J	sp	<PQL			
4402559901	RISG-7-10.0-20191111	11/11/19	TO15	120-82-1	1,2,4-Trichlorobenzene		U	2.9	8.0	ug/m3	UJ	c	ICV %D	35.03	30	%
4402559901	RISG-7-10.0-20191111	11/11/19	TO15	75-09-2	Methylene Chloride	1.4	J	0.22	1.5	ug/m3	J	sp	<PQL			
4402559901	RISG-7-10.0-20191111	11/11/19	TO15	64-17-5	Ethanol	4.3		0.42	2.0	ug/m3	J	c	ICAL %RSD	39.788	30	%
4402559901	RISG-7-10.0-20191111	11/11/19	TO15	75-15-0	Carbon Disulfide	1.6	J	0.58	3.4	ug/m3	J	sp	<PQL			
4402559901	RISG-7-10.0-20191111	11/11/19	TO15	78-93-3	2-Butanone	1.6	J	0.65	3.2	ug/m3	J	sp	<PQL			
4402559901	RISG-7-10.0-20191111	11/11/19	TO15	75-27-4	Bromodichloromethane	1.3	J	0.53	1.4	ug/m3	J	sp	<PQL			
4402559901	RISG-7-10.0-20191111	11/11/19	TO15	108-90-7	Chlorobenzene	0.46	J	0.26	1.0	ug/m3	J	sp	<PQL			
4402559901	RISG-7-10.0-20191111	11/11/19	TO15SIM	100-41-4	Ethyl Benzene	0.16	J	0.12	0.19	ug/m3	J	sp	<PQL			
4402559901	RISG-7-10.0-20191111	11/11/19	TO15SIM	156-60-5	trans-1,2-Dichloroethene	0.095	J	0.066	0.86	ug/m3	J	sp	<PQL			
4402559901	RISG-7-10.0-20191111	11/11/19	TO15SIM	75-00-3	Chloroethane	0.17	J	0.042	0.29	ug/m3	J	sp	<PQL			
4402559901	RISG-7-10.0-20191111	11/11/19	TO15SIM	74-87-3	Chloromethane	0.50	J	0.054	2.2	ug/m3	J	sp	<PQL			
4402559901	RISG-7-10.0-20191111	11/11/19	TO15SIMVOL	75-00-3	Chloroethane	0.063	J	0.016	0.11	ppbv	J	sp	<PQL			
4402559901	RISG-7-10.0-20191111	11/11/19	TO15SIMVOL	156-60-5	trans-1,2-Dichloroethene	0.024	J	0.016	0.22	ppbv	J	sp	<PQL			
4402559901	RISG-7-10.0-20191111	11/11/19	TO15SIMVOL	74-87-3	Chloromethane	0.24	J	0.026	1.1	ppbv	J	sp	<PQL			
4402559901	RISG-7-10.0-20191111	11/11/19	TO15SIMVOL	100-41-4	Ethyl Benzene	0.036	J	0.029	0.043	ppbv	J	sp	<PQL			
4402559901	RISG-7-10.0-20191111	11/11/19	TO15VOL	75-15-0	Carbon Disulfide	0.52	J	0.19	1.1	ppbv	J	sp	<PQL			
4402559901	RISG-7-10.0-20191111	11/11/19	TO15VOL	95-63-6	1,2,4-Trimethylbenzene	0.11	J	0.047	0.22	ppbv	J	sp	<PQL			
4402559901	RISG-7-10.0-20191111	11/11/19	TO15VOL	108-90-7	Chlorobenzene	0.10	J	0.056	0.22	ppbv	J	sp	<PQL			
4402559901	RISG-7-10.0-20191111	11/11/19	TO15VOL	64-17-5	Ethanol	2.3		0.22	1.1	ppbv	J	c	ICAL %RSD	39.788	30	%
4402559901	RISG-7-10.0-20191111	11/11/19	TO15VOL	120-82-1	1,2,4-Trichlorobenzene		U	0.39	1.1	ppbv	UJ	c	ICV %D	35.03	30	%
4402559901	RISG-7-10.0-20191111	11/11/19	TO15VOL	75-27-4	Bromodichloromethane	0.20	J	0.078	0.22	ppbv	J	sp	<PQL			

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator	Qualification Finding	Acceptance Criteria	
4402559901	RISG-7-10.0-20191111	11/11/19	TO15VOL	75-09-2	Methylene Chloride	0.40	J	0.063	0.43	ppbv	J	sp	<PQL			
4402559901	RISG-7-10.0-20191111	11/11/19	TO15VOL	78-93-3	2-Butanone	0.54	J	0.22	1.1	ppbv	J	sp	<PQL			
4402559901	RISG-9-5.0-20191112	11/12/19	TO15	120-82-1	1,2,4-Trichlorobenzene		U	2.3	6.3	ug/m3	UJ	c	ICV %D	35.03	30	%
4402559901	RISG-9-5.0-20191112	11/12/19	TO15	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.42	J	0.26	1.3	ug/m3	J	sp	<PQL			
4402559901	RISG-9-5.0-20191112	11/12/19	TO15	78-93-3	2-Butanone	0.64	J	0.52	2.5	ug/m3	J	sp	<PQL			
4402559901	RISG-9-5.0-20191112	11/12/19	TO15	67-64-1	Acetone	3.6	J	0.68	4.1	ug/m3	J	sp	<PQL			
4402559901	RISG-9-5.0-20191112	11/12/19	TO15	108-90-7	Chlorobenzene	0.50	J	0.2	0.79	ug/m3	J	sp	<PQL			
4402559901	RISG-9-5.0-20191112	11/12/19	TO15	64-17-5	Ethanol		U	0.33	1.6	ug/m3	UJ	c	ICAL %RSD	39.788	30	%
4402559901	RISG-9-5.0-20191112	11/12/19	TO15SIM	74-87-3	Chloromethane	0.13	J	0.042	1.8	ug/m3	J	sp	<PQL			
4402559901	RISG-9-5.0-20191112	11/12/19	TO15SIM	108-88-3	Toluene	0.87		0.098	0.32	ug/m3	J	fd	FD RPD	58	50	%
4402559901	RISG-9-5.0-20191112	11/12/19	TO15SIM	156-60-5	trans-1,2-Dichloroethene	0.054	J	0.052	0.68	ug/m3	J	sp	<PQL			
4402559901	RISG-9-5.0-20191112	11/12/19	TO15SIM	100-41-4	Ethyl Benzene	0.11	J	0.098	0.15	ug/m3	J	sp	<PQL			
4402559901	RISG-9-5.0-20191112	11/12/19	TO15SIMVOL	74-87-3	Chloromethane	0.064	J	0.02	0.86	ppbv	J	sp	<PQL			
4402559901	RISG-9-5.0-20191112	11/12/19	TO15SIMVOL	108-88-3	Toluene	0.23		0.026	0.086	ppbv	J	fd	FD RPD	58	50	%
4402559901	RISG-9-5.0-20191112	11/12/19	TO15SIMVOL	156-60-5	trans-1,2-Dichloroethene	0.014	J	0.013	0.17	ppbv	J	sp	<PQL			
4402559901	RISG-9-5.0-20191112	11/12/19	TO15SIMVOL	100-41-4	Ethyl Benzene	0.025	J	0.022	0.034	ppbv	J	sp	<PQL			
4402559901	RISG-9-5.0-20191112	11/12/19	TO15VOL	78-93-3	2-Butanone	0.22	J	0.17	0.86	ppbv	J	sp	<PQL			
4402559901	RISG-9-5.0-20191112	11/12/19	TO15VOL	67-64-1	Acetone	1.5	J	0.29	1.7	ppbv	J	sp	<PQL			
4402559901	RISG-9-5.0-20191112	11/12/19	TO15VOL	108-90-7	Chlorobenzene	0.11	J	0.044	0.17	ppbv	J	sp	<PQL			
4402559901	RISG-9-5.0-20191112	11/12/19	TO15VOL	120-82-1	1,2,4-Trichlorobenzene		U	0.031	0.86	ppbv	UJ	c	ICV %D	35.03	30	%
4402559901	RISG-9-5.0-20191112	11/12/19	TO15VOL	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.055	J	0.034	0.17	ppbv	J	sp	<PQL			
4402559901	RISG-9-5.0-20191112	11/12/19	TO15VOL	64-17-5	Ethanol		U	0.18	0.86	ppbv	UJ	c	ICAL %RSD	39.788	30	%
4402559901	RISG-9-5.0-20191112-FD	11/12/19	TO15	64-17-5	Ethanol		U	0.33	1.6	ug/m3	UJ	c	ICAL %RSD	39.788	30	%
4402559901	RISG-9-5.0-20191112-FD	11/12/19	TO15	120-82-1	1,2,4-Trichlorobenzene		U	2.3	6.3	ug/m3	UJ	c	ICV %D	35.03	30	%
4402559901	RISG-9-5.0-20191112-FD	11/12/19	TO15	67-64-1	Acetone	4.0	J	0.68	4.1	ug/m3	J	sp	<PQL			
4402559901	RISG-9-5.0-20191112-FD	11/12/19	TO15	78-93-3	2-Butanone	1.1	J	0.52	2.5	ug/m3	J	sp	<PQL			
4402559901	RISG-9-5.0-20191112-FD	11/12/19	TO15	108-90-7	Chlorobenzene	0.32	J	0.2	0.79	ug/m3	J	sp	<PQL			
4402559901	RISG-9-5.0-20191112-FD	11/12/19	TO15	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.51	J	0.26	1.3	ug/m3	J	sp	<PQL			
4402559901	RISG-9-5.0-20191112-FD	11/12/19	TO15SIM	95-47-6	ortho-xylene	0.14	J	0.033	0.15	ug/m3	J	sp	<PQL			
4402559901	RISG-9-5.0-20191112-FD	11/12/19	TO15SIM	156-60-5	trans-1,2-Dichloroethene	0.057	J	0.052	0.68	ug/m3	J	sp	<PQL			
4402559901	RISG-9-5.0-20191112-FD	11/12/19	TO15SIM	79-00-5	1,1,2-Trichloroethane	0.072	J	0.057	0.19	ug/m3	J	sp	<PQL			
4402559901	RISG-9-5.0-20191112-FD	11/12/19	TO15SIM	91-20-3	Naphthalene	0.082	J	0.076	0.45	ug/m3	J	sp	<PQL			
4402559901	RISG-9-5.0-20191112-FD	11/12/19	TO15SIM	74-87-3	Chloromethane	0.21	J	0.042	1.8	ug/m3	J	sp	<PQL			
4402559901	RISG-9-5.0-20191112-FD	11/12/19	TO15SIM	108-88-3	Toluene	0.48		0.098	0.32	ug/m3	J	fd	FD RPD	58	50	%
4402559901	RISG-9-5.0-20191112-FD	11/12/19	TO15SIMVOL	74-87-3	Chloromethane	0.10	J	0.02	0.86	ppbv	J	sp	<PQL			
4402559901	RISG-9-5.0-20191112-FD	11/12/19	TO15SIMVOL	108-88-3	Toluene	0.13		0.026	0.086	ppbv	J	fd	FD RPD	58	50	%
4402559901	RISG-9-5.0-20191112-FD	11/12/19	TO15SIMVOL	91-20-3	Naphthalene	0.016	J	0.014	0.086	ppbv	J	sp	<PQL			
4402559901	RISG-9-5.0-20191112-FD	11/12/19	TO15SIMVOL	95-47-6	ortho-xylene	0.033	J	0.0077	0.034	ppbv	J	sp	<PQL			
4402559901	RISG-9-5.0-20191112-FD	11/12/19	TO15SIMVOL	79-00-5	1,1,2-Trichloroethane	0.013	J	0.01	0.034	ppbv	J	sp	<PQL			
4402559901	RISG-9-5.0-20191112-FD	11/12/19	TO15SIMVOL	156-60-5	trans-1,2-Dichloroethene	0.014	J	0.013	0.17	ppbv	J	sp	<PQL			
4402559901	RISG-9-5.0-20191112-FD	11/12/19	TO15VOL	108-90-7	Chlorobenzene	0.069	J	0.044	0.17	ppbv	J	sp	<PQL			
4402559901	RISG-9-5.0-20191112-FD	11/12/19	TO15VOL	78-93-3	2-Butanone	0.38	J	0.17	0.86	ppbv	J	sp	<PQL			
4402559901	RISG-9-5.0-20191112-FD	11/12/19	TO15VOL	67-64-1	Acetone	1.7	J	0.29	1.7	ppbv	J	sp	<PQL			
4402559901	RISG-9-5.0-20191112-FD	11/12/19	TO15VOL	120-82-1	1,2,4-Trichlorobenzene		U	0.31	0.86	ppbv	UJ	c	ICV %D	35.03	30	%
4402559901	RISG-9-5.0-20191112-FD	11/12/19	TO15VOL	64-17-5	Ethanol		U	0.18	0.86	ppbv	UJ	c	ICAL %RSD	39.788	30	%
4402559901	RISG-9-5.0-20191112-FD	11/12/19	TO15VOL	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.066	J	0.034	0.17	ppbv	J	sp	<PQL			
4402560891	RISG-1-5.0-20191111	11/11/19	TO15	75-35-4	1,1-Dichloroethene	3.5	J	2.4	10	ug/m3	J	sp	<PQL			
4402560891	RISG-1-5.0-20191111	11/11/19	TO15	541-73-1	1,3-Dichlorobenzene	2.1	J	0.68	16	ug/m3	J	sp	<PQL			
4402560891	RISG-1-5.0-20191111	11/11/19	TO15	75-71-8	Dichlorodifluoromethane	5.5	J	1.2	13	ug/m3	J	sp	<PQL			
4402560891	RISG-1-5.0-20191111	11/11/19	TO15	79-01-6	Trichloroethene	4.8	J	1.8	14	ug/m3	J	sp	<PQL			
4402560891	RISG-1-5.0-20191111	11/11/19	TO15	74-87-3	Chloromethane		UJ	4.1	54	ug/m3	UJ	c	CCV %D	31.32033	30	%
4402560891	RISG-1-5.0-20191111	11/11/19	TO15	64-17-5	Ethanol		U	4	20	ug/m3	UJ	l	LCS/LCSD %R	58,58	70-130	%
4402560891	RISG-1-5.0-20191111	11/11/19	TO15	96-12-8	1,2-Dibromo-3-chloropropane		U	4.6	100	ug/m3	UJ	c	ICAL %RSD	31.072	30	%
4402560891	RISG-1-5.0-20191111	11/11/19	TO15VOL	75-71-8	Dichlorodifluoromethane	1.1	J	0.25	2.6	ppbv	J	sp	<PQL			
4402560891	RISG-1-5.0-20191111	11/11/19	TO15VOL	75-35-4	1,1-Dichloroethene	0.88	J	0.6	2.6	ppbv	J	sp	<PQL			
4402560891	RISG-1-5.0-20191111	11/11/19	TO15VOL	541-73-1	1,3-Dichlorobenzene	0.36	J	0.11	2.6	ppbv	J	sp	<PQL			
4402560891	RISG-1-5.0-20191111	11/11/19	TO15VOL	64-17-5	Ethanol		U	2.1	10	ppbv	UJ	l	LCS/LCSD %R	58,58	70-130	%
4402560891	RISG-1-5.0-20191111	11/11/19	TO15VOL	79-01-6	Trichloroethene	0.89	J	0.33	2.6	ppbv	J	sp	<PQL			
4402560891	RISG-1-5.0-20191111	11/11/19	TO15VOL	74-87-3	Chloromethane		UJ	2	26	ppbv	UJ	c	CCV %D	31.32033	30	%
4402560891	RISG-1-5.0-20191111	11/11/19	TO15VOL	96-12-8	1,2-Dibromo-3-chloropropane		U	0.48	10	ppbv	UJ	c	ICAL %RSD	31.072	30	%
4402560891	RISG-1-15.0-20191111	11/11/19	TO15	75-71-8	Dichlorodifluoromethane	5.4	J	2.9	30	ug/m3	J	sp	<PQL			
4402560891	RISG-1-15.0-20191111	11/11/19	TO15	75-35-4	1,1-Dichloroethene	20	J	5.6	24	ug/m3	J	sp	<PQL			
4402560891	RISG-1-15.0-20191111	11/11/19	TO15	79-01-6	Trichloroethene	18	J	4.2	33	ug/m3	J	sp	<PQL			
4402560891	RISG-1-15.0-20191111	11/11/19	TO15	64-17-5	Ethanol		U	9.4	46	ug/m3	UJ	l	LCS/LCSD %R	58,58	70-130	%
4402560891	RISG-1-15.0-20191111	11/11/19	TO15	74-87-3	Chloromethane		UJ	9.5	120	ug/m3	UJ	c	CCV %D	31.32033	30	%
4402560891	RISG-1-15.0-20191111	11/11/19	TO15	541-73-1	1,3-Dichlorobenzene	2.8	J	1.6	37	ug/m3	J	sp	<PQL			

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator	Qualification Finding	Acceptance Criteria	
4402560891	RISG-1-15.0-20191111	11/11/19	TO15	96-12-8	1,2-Dibromo-3-chloropropane		U	11	240	ug/m3	UJ	c	ICAL %RSD	31.072	30	%
4402560891	RISG-1-15.0-20191111	11/11/19	TO15VOL	64-17-5	Ethanol		U	5	24	ppbv	UJ	l	LCS/LCSD %R	58,58	70-130	%
4402560891	RISG-1-15.0-20191111	11/11/19	TO15VOL	74-87-3	Chloromethane		UJ	4.6	61	ppbv	UJ	c	CCV %D	31.32033	30	%
4402560891	RISG-1-15.0-20191111	11/11/19	TO15VOL	75-35-4	1,1-Dichloroethene	5.0	J	1.4	6.1	ppbv	J	sp	<PQL			
4402560891	RISG-1-15.0-20191111	11/11/19	TO15VOL	541-73-1	1,3-Dichlorobenzene	0.47	J	0.27	6.1	ppbv	J	sp	<PQL			
4402560891	RISG-1-15.0-20191111	11/11/19	TO15VOL	79-01-6	Trichloroethene	3.4	J	0.78	6.1	ppbv	J	sp	<PQL			
4402560891	RISG-1-15.0-20191111	11/11/19	TO15VOL	75-71-8	Dichlorodifluoromethane	1.1	J	0.59	6.1	ppbv	J	sp	<PQL			
4402560891	RISG-1-15.0-20191111	11/11/19	TO15VOL	96-12-8	1,2-Dibromo-3-chloropropane		U	1.1	24	ppbv	UJ	c	ICAL %RSD	31.072	30	%
4402560891	RISG-4-5.0-20191112	11/12/19	TO15	120-82-1	1,2,4-Trichlorobenzene		U	6	17	ug/m3	UJ	c	ICV %D	35.03	30	%
4402560891	RISG-4-5.0-20191112	11/12/19	TO15	64-17-5	Ethanol		U	0.87	4.2	ug/m3	UJ	c	ICAL %RSD	39.788	30	%
4402560891	RISG-4-5.0-20191112	11/12/19	TO15	75-69-4	Trichlorofluoromethane	1.1	J	0.52	2.5	ug/m3	J	sp	<PQL			
4402560891	RISG-4-5.0-20191112	11/12/19	TO15SIM	95-47-6	ortho-xylene	0.18	J	0.087	0.39	ug/m3	J	sp	<PQL			
4402560891	RISG-4-5.0-20191112	11/12/19	TO15SIM	74-87-3	Chloromethane	0.12	J	0.11	4.6	ug/m3	J	sp	<PQL			
4402560891	RISG-4-5.0-20191112	11/12/19	TO15SIM	108-88-3	Toluene	0.62	J	0.26	0.84	ug/m3	J	sp	<PQL			
4402560891	RISG-4-5.0-20191112	11/12/19	TO15SIMVOL	95-47-6	ortho-xylene	0.042	J	0.02	0.090	ppbv	J	sp	<PQL			
4402560891	RISG-4-5.0-20191112	11/12/19	TO15SIMVOL	74-87-3	Chloromethane	0.056	J	0.054	2.2	ppbv	J	sp	<PQL			
4402560891	RISG-4-5.0-20191112	11/12/19	TO15SIMVOL	108-88-3	Toluene	0.16	J	0.068	0.22	ppbv	J	sp	<PQL			
4402560891	RISG-4-5.0-20191112	11/12/19	TO15VOL	120-82-1	1,2,4-Trichlorobenzene		U	0.81	2.2	ppbv	UJ	c	ICV %D	35.03	30	%
4402560891	RISG-4-5.0-20191112	11/12/19	TO15VOL	75-69-4	Trichlorofluoromethane	0.20	J	0.092	0.45	ppbv	J	sp	<PQL			
4402560891	RISG-4-5.0-20191112	11/12/19	TO15VOL	64-17-5	Ethanol		U	0.46	2.2	ppbv	UJ	c	ICAL %RSD	39.788	30	%
4402560891	RISG-4-15.0-20191112	11/12/19	TO15	75-69-4	Trichlorofluoromethane	1.2	J	0.56	4.8	ug/m3	J	sp	<PQL			
4402560891	RISG-4-15.0-20191112	11/12/19	TO15	108-10-1	4-Methyl-2-pentanone	1.8	J	0.25	3.5	ug/m3	J	sp	<PQL			
4402560891	RISG-4-15.0-20191112	11/12/19	TO15	67-64-1	Acetone	5.9	J	2.9	20	ug/m3	J	sp	<PQL			
4402560891	RISG-4-15.0-20191112	11/12/19	TO15SIM	75-71-8	Dichlorodifluoromethane	2.0	J-	0.054	0.84	ug/m3	J-	c	CCV %D	33.00823	30	%
4402560891	RISG-4-15.0-20191112	11/12/19	TO15SIM	108-88-3	Toluene	0.63	J	0.047	1.6	ug/m3	J	bl,bb,sp	blank contamination below PQL; <PQL	0.015	0.03	ug/m³
4402560891	RISG-4-15.0-20191112	11/12/19	TO15SIM	71-43-2	Benzene	0.21	J	0.091	1.4	ug/m3	J	sp	<PQL			
4402560891	RISG-4-15.0-20191112	11/12/19	TO15SIM	75-34-3	1,1-Dichloroethane	0.10	J	0.077	0.69	ug/m3	J	sp	<PQL			
4402560891	RISG-4-15.0-20191112	11/12/19	TO15SIM	100-41-4	Ethyl Benzene	0.14	J	0.043	0.74	ug/m3	J	bl,bb,sp	blank contamination below PQL; <PQL	0.0078	0.0156	ug/m³
4402560891	RISG-4-15.0-20191112	11/12/19	TO15SIM	75-35-4	1,1-Dichloroethene	0.18	J	0.037	0.34	ug/m3	J	sp	<PQL			
4402560891	RISG-4-15.0-20191112	11/12/19	TO15SIM	95-47-6	ortho-xylene	0.18	J	0.037	0.74	ug/m3	J	bl,bb,sp	blank contamination below PQL; <PQL	0.012	0.024	ug/m³
4402560891	RISG-4-15.0-20191112	11/12/19	TO15SIM	136777-61-2	m,p-xylene	0.36	J	0.044	1.5	ug/m3	J	bl,bb,sp	blank contamination below PQL; <PQL	0.033	0.066	ug/m³
4402560891	RISG-4-15.0-20191112	11/12/19	TO15SIMVOL	71-43-2	Benzene	0.067	J	0.028	0.43	ppbv	J	sp	<PQL			
4402560891	RISG-4-15.0-20191112	11/12/19	TO15SIMVOL	108-88-3	Toluene	0.17	J	0.012	0.43	ppbv	J	bl,bb,sp	blank contamination below PQL; <PQL	0.015	0.03	ug/m³
4402560891	RISG-4-15.0-20191112	11/12/19	TO15SIMVOL	136777-61-2	m,p-xylene	0.082	J	0.01	0.34	ppbv	J	bl,bb,sp	blank contamination below PQL; <PQL	0.033	0.066	ug/m³
4402560891	RISG-4-15.0-20191112	11/12/19	TO15SIMVOL	75-34-3	1,1-Dichloroethane	0.026	J	0.0091	0.17	ppbv	J	sp	<PQL			
4402560891	RISG-4-15.0-20191112	11/12/19	TO15SIMVOL	100-41-4	Ethyl Benzene	0.032	J	0.0099	0.17	ppbv	J	bl,bb,sp	blank contamination below PQL; <PQL	0.0078	0.0156	ug/m³
4402560891	RISG-4-15.0-20191112	11/12/19	TO15SIMVOL	75-71-8	Dichlorodifluoromethane	0.40	J-	0.011	0.17	ppbv	J-	c	CCV %D	33.00823	30	%
4402560891	RISG-4-15.0-20191112	11/12/19	TO15SIMVOL	95-47-6	ortho-xylene	0.040	J	0.0086	0.17	ppbv	J	bl,bb,sp	blank contamination below PQL; <PQL	0.012	0.024	ug/m³
4402560891	RISG-4-15.0-20191112	11/12/19	TO15SIMVOL	75-35-4	1,1-Dichloroethene	0.046	J	0.019	0.086	ppbv	J	sp	<PQL			
4402560891	RISG-4-15.0-20191112	11/12/19	TO15VOL	108-10-1	4-Methyl-2-pentanone	0.45	J	0.06	0.86	ppbv	J	sp	<PQL			
4402560891	RISG-4-15.0-20191112	11/12/19	TO15VOL	67-64-1	Acetone	2.5	J	1.2	8.6	ppbv	J	sp	<PQL			
4402560891	RISG-4-15.0-20191112	11/12/19	TO15VOL	75-69-4	Trichlorofluoromethane	0.22	J	0.099	0.86	ppbv	J	sp	<PQL			
4402560891	RISG-5-5.0-20191112	11/12/19	TO15	120-82-1	1,2,4-Trichlorobenzene		U	12	33	ug/m3	UJ	c	ICV %D	35.03	30	%
4402560891	RISG-5-5.0-20191112	11/12/19	TO15	75-69-4	Trichlorofluoromethane	1.1	J	1	5.0	ug/m3	J	sp	<PQL			
4402560891	RISG-5-5.0-20191112	11/12/19	TO15	64-17-5	Ethanol	3.8	J	1.7	8.4	ug/m3	J	c,sp	ICAL %RSD; <PQL	39.788	30	%
4402560891	RISG-5-5.0-20191112	11/12/19	TO15SIM	136777-61-2	m,p-xylene	0.92	J	0.91	1.6	ug/m3	J	sp	<PQL			
4402560891	RISG-5-5.0-20191112	11/12/19	TO15SIM	95-47-6	ortho-xylene	0.35	J	0.17	0.78	ug/m3	J	sp	<PQL			
4402560891	RISG-5-5.0-20191112	11/12/19	TO15SIM	156-59-2	cis-1,2-Dichloroethene	0.38	J	0.25	0.71	ug/m3	J	sp	<PQL			
4402560891	RISG-5-5.0-20191112	11/12/19	TO15SIM	74-87-3	Chloromethane	0.39	J	0.22	9.2	ug/m3	J	sp	<PQL			
4402560891	RISG-5-5.0-20191112	11/12/19	TO15SIMVOL	95-47-6	ortho-xylene	0.081	J	0.04	0.18	ppbv	J	sp	<PQL			
4402560891	RISG-5-5.0-20191112	11/12/19	TO15SIMVOL	136777-61-2	m,p-xylene	0.21	J	0.21	0.36	ppbv	J	sp	<PQL			
4402560891	RISG-5-5.0-20191112	11/12/19	TO15SIMVOL	156-59-2	cis-1,2-Dichloroethene	0.096	J	0.063	0.18	ppbv	J	sp	<PQL			
4402560891	RISG-5-5.0-20191112	11/12/19	TO15SIMVOL	74-87-3	Chloromethane	0.19	J	0.11	4.5	ppbv	J	sp	<PQL			
4402560891	RISG-5-5.0-20191112	11/12/19	TO15VOL	75-69-4	Trichlorofluoromethane	0.19	J	0.18	0.90	ppbv	J	sp	<PQL			
4402560891	RISG-5-5.0-20191112	11/12/19	TO15VOL	64-17-5	Ethanol	2.0	J	0.93	4.5	ppbv	J	c,sp	ICAL %RSD; <PQL	39.788	30	%
4402560891	RISG-5-5.0-20191112	11/12/19	TO15VOL	120-82-1	1,2,4-Trichlorobenzene		U	1.6	4.5	ppbv	UJ	c	ICV %D	35.03	30	%
4402560891	RISG-5-5.0-20191112-FD	11/12/19	TO15	120-82-1	1,2,4-Trichlorobenzene		U	13	35	ug/m3	UJ	c	ICV %D	35.03	30	%
4402560891	RISG-5-5.0-20191112-FD	11/12/19	TO15	75-69-4	Trichlorofluoromethane	1.2	J	1.1	5.2	ug/m3	J	sp	<PQL			
4402560891	RISG-5-5.0-20191112-FD	11/12/19	TO15	64-17-5	Ethanol		U	1.8	8.8	ug/m3	UJ	c	ICAL %RSD	39.788	30	%
4402560891	RISG-5-5.0-20191112-FD	11/12/19	TO15SIM	156-59-2	cis-1,2-Dichloroethene	0.35	J	0.26	0.74	ug/m3	J	sp	<PQL			
4402560891	RISG-5-5.0-20191112-FD	11/12/19	TO15SIM	95-47-6	ortho-xylene	0.20	J	0.18	0.81	ug/m3	J	sp	<PQL			
4402560891	RISG-5-5.0-20191112-FD	11/12/19	TO15SIMVOL	156-59-2	cis-1,2-Dichloroethene	0.088	J	0.066	0.19	ppbv	J	sp	<PQL			
4402560891	RISG-5-5.0-20191112-FD	11/12/19	TO15SIMVOL	95-47-6	ortho-xylene	0.047	J	0.042	0.19	ppbv	J	sp	<PQL			
4402560891	RISG-5-5.0-20191112-FD	11/12/19	TO15VOL	64-17-5	Ethanol		U	0.97	4.7	ppbv	UJ	c	ICAL %RSD	39.788	30	%
4402560891	RISG-5-5.0-20191112-FD	11/12/19	TO15VOL	120-82-1	1,2,4-Trichlorobenzene		U	1.7	4.7	ppbv	UJ	c	ICV %D	35.03	30	%
4402560891	RISG-5-5.0-20191112-FD	11/12/19	TO15VOL	75-69-4	Trichlorofluoromethane	0.22	J	0.19	0.94	ppbv	J	sp	<PQL			

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator	Qualification Finding	Acceptance Criteria	
4402560891	RISG-5-15.0-20191112	11/12/19	TO15	75-69-4	Trichlorofluoromethane	1.1	J	0.42	2.0	ug/m3	J	sp	<PQL			
4402560891	RISG-5-15.0-20191112	11/12/19	TO15	78-93-3	2-Butanone	2.8	J	1.1	5.4	ug/m3	J	sp	<PQL			
4402560891	RISG-5-15.0-20191112	11/12/19	TO15	95-63-6	1,2,4-Trimethylbenzene	1.1	J	0.39	1.8	ug/m3	J	sp	<PQL			
4402560891	RISG-5-15.0-20191112	11/12/19	TO15	75-09-2	Methylene Chloride	0.75	J	0.37	2.5	ug/m3	J	sp	<PQL			
4402560891	RISG-5-15.0-20191112	11/12/19	TO15	64-17-5	Ethanol		U	0.71	3.4	ug/m3	UJ	c	ICAL %RSD	39.788	30	%
4402560891	RISG-5-15.0-20191112	11/12/19	TO15	120-82-1	1,2,4-Trichlorobenzene		U	4.9	14	ug/m3	UJ	c	ICV %D	35.03	30	%
4402560891	RISG-5-15.0-20191112	11/12/19	TO15	108-90-7	Chlorobenzene	0.58	J	0.44	1.7	ug/m3	J	sp	<PQL			
4402560891	RISG-5-15.0-20191112	11/12/19	TO15	541-73-1	1,3-Dichlorobenzene	1.6	J	0.76	2.2	ug/m3	J	sp	<PQL			
4402560891	RISG-5-15.0-20191112	11/12/19	TO15SIM	100-41-4	Ethyl Benzene	0.27	J	0.21	0.32	ug/m3	J	sp	<PQL			
4402560891	RISG-5-15.0-20191112	11/12/19	TO15SIM	74-87-3	Chloromethane	0.68	J	0.09	3.8	ug/m3	J	sp	<PQL			
4402560891	RISG-5-15.0-20191112	11/12/19	TO15SIM	91-20-3	Naphthalene	0.39	J	0.16	0.96	ug/m3	J	sp	<PQL			
4402560891	RISG-5-15.0-20191112	11/12/19	TO15SIM	75-00-3	Chloroethane	0.19	J	0.072	0.48	ug/m3	J	sp	<PQL			
4402560891	RISG-5-15.0-20191112	11/12/19	TO15SIMVOL	74-87-3	Chloromethane	0.33	J	0.044	1.8	ppbv	J	sp	<PQL			
4402560891	RISG-5-15.0-20191112	11/12/19	TO15SIMVOL	91-20-3	Naphthalene	0.075	J	0.031	0.18	ppbv	J	sp	<PQL			
4402560891	RISG-5-15.0-20191112	11/12/19	TO15SIMVOL	75-00-3	Chloroethane	0.072	J	0.027	0.18	ppbv	J	sp	<PQL			
4402560891	RISG-5-15.0-20191112	11/12/19	TO15SIMVOL	100-41-4	Ethyl Benzene	0.062	J	0.048	0.073	ppbv	J	sp	<PQL			
4402560891	RISG-5-15.0-20191112	11/12/19	TO15VOL	75-69-4	Trichlorofluoromethane	0.19	J	0.076	0.37	ppbv	J	sp	<PQL			
4402560891	RISG-5-15.0-20191112	11/12/19	TO15VOL	95-63-6	1,2,4-Trimethylbenzene	0.23	J	0.08	0.37	ppbv	J	sp	<PQL			
4402560891	RISG-5-15.0-20191112	11/12/19	TO15VOL	108-90-7	Chlorobenzene	0.12	J	0.095	0.37	ppbv	J	sp	<PQL			
4402560891	RISG-5-15.0-20191112	11/12/19	TO15VOL	120-82-1	1,2,4-Trichlorobenzene		U	0.66	1.8	ppbv	UJ	c	ICV %D	35.03	30	%
4402560891	RISG-5-15.0-20191112	11/12/19	TO15VOL	541-73-1	1,3-Dichlorobenzene	0.26	J	0.12	0.37	ppbv	J	sp	<PQL			
4402560891	RISG-5-15.0-20191112	11/12/19	TO15VOL	78-93-3	2-Butanone	0.96	J	0.37	1.8	ppbv	J	sp	<PQL			
4402560891	RISG-5-15.0-20191112	11/12/19	TO15VOL	64-17-5	Ethanol		U	0.38	1.8	ppbv	UJ	c	ICAL %RSD	39.788	30	%
4402560891	RISG-5-15.0-20191112	11/12/19	TO15VOL	75-09-2	Methylene Chloride	0.22	J	0.11	0.73	ppbv	J	sp	<PQL			
4402560891	RISG-6-5.0-20191113	11/13/19	TO15	79-01-6	Trichloroethene	35	J	6.2	48	ug/m3	J	sp	<PQL			
4402560891	RISG-6-5.0-20191113	11/13/19	TO15	64-17-5	Ethanol		U	14	67	ug/m3	UJ	l	LCS/LCSD %R	55,60	70-130	%
4402560891	RISG-6-5.0-20191113	11/13/19	TO15VOL	79-01-6	Trichloroethene	6.4	J	1.1	9.0	ppbv	J	sp	<PQL			
4402560891	RISG-6-5.0-20191113	11/13/19	TO15VOL	64-17-5	Ethanol		U	7.3	36	ppbv	UJ	l	LCS/LCSD %R	55,60	70-130	%
4402560891	RISG-6-5.0-20191113-FD	11/13/19	TO15	79-01-6	Trichloroethene	37	J	5.9	46	ug/m3	J	sp	<PQL			
4402560891	RISG-6-5.0-20191113-FD	11/13/19	TO15	64-17-5	Ethanol		U	13	64	ug/m3	UJ	l	LCS/LCSD %R	55,60	70-130	%
4402560891	RISG-6-5.0-20191113-FD	11/13/19	TO15VOL	64-17-5	Ethanol		U	7	34	ppbv	UJ	l	LCS/LCSD %R	55,60	70-130	%
4402560891	RISG-6-5.0-20191113-FD	11/13/19	TO15VOL	79-01-6	Trichloroethene	7.0	J	1.1	8.6	ppbv	J	sp	<PQL			
4402560891	RISG-6-15.0-20191113	11/13/19	TO15	75-34-3	1,1-Dichloroethane	13	J	12	69	ug/m3	J	sp	<PQL			
4402560891	RISG-6-15.0-20191113	11/13/19	TO15	79-01-6	Trichloroethene	76	J	12	92	ug/m3	J	sp	<PQL			
4402560891	RISG-6-15.0-20191113	11/13/19	TO15	64-17-5	Ethanol		U	26	130	ug/m3	UJ	l	LCS/LCSD %R	58,58	70-130	%
4402560891	RISG-6-15.0-20191113	11/13/19	TO15	96-12-8	1,2-Dibromo-3-chloropropane		U	30	660	ug/m3	UJ	c	ICAL %RSD	31.072	30	%
4402560891	RISG-6-15.0-20191113	11/13/19	TO15VOL	64-17-5	Ethanol		U	14	68	ppbv	UJ	l	LCS/LCSD %R	58,58	70-130	%
4402560891	RISG-6-15.0-20191113	11/13/19	TO15VOL	79-01-6	Trichloroethene	14	J	2.2	17	ppbv	J	sp	<PQL			
4402560891	RISG-6-15.0-20191113	11/13/19	TO15VOL	75-34-3	1,1-Dichloroethane	3.1	J	2.9	17	ppbv	J	sp	<PQL			
4402560891	RISG-6-15.0-20191113	11/13/19	TO15VOL	96-12-8	1,2-Dibromo-3-chloropropane		U	3.1	68	ppbv	UJ	c	ICAL %RSD	31.072	30	%
4402560891	RISG-7-5.0-20191111	11/11/19	TO15	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.57	J	0.26	1.3	ug/m3	J	sp	<PQL			
4402560891	RISG-7-5.0-20191111	11/11/19	TO15	75-27-4	Bromodichloromethane	0.81	J	0.41	1.1	ug/m3	J	sp	<PQL			
4402560891	RISG-7-5.0-20191111	11/11/19	TO15	108-90-7	Chlorobenzene	0.39	J	0.2	0.79	ug/m3	J	sp	<PQL			
4402560891	RISG-7-5.0-20191111	11/11/19	TO15	75-09-2	Methylene Chloride	0.52	J	0.17	1.2	ug/m3	J	sp	<PQL			
4402560891	RISG-7-5.0-20191111	11/11/19	TO15	78-93-3	2-Butanone	1.3	J	0.52	2.5	ug/m3	J	sp	<PQL			
4402560891	RISG-7-5.0-20191111	11/11/19	TO15	120-82-1	1,2,4-Trichlorobenzene		U	2.3	6.3	ug/m3	UJ	c	ICV %D	35.03	30	%
4402560891	RISG-7-5.0-20191111	11/11/19	TO15	64-17-5	Ethanol	0.93	J	0.33	1.6	ug/m3	J	c,sp	ICAL %RSD; <PQL	39.788	30	%
4402560891	RISG-7-5.0-20191111	11/11/19	TO15SIM	100-41-4	Ethyl Benzene	0.10	J	0.098	0.15	ug/m3	J	sp	<PQL			
4402560891	RISG-7-5.0-20191111	11/11/19	TO15SIM	74-87-3	Chloromethane	0.12	J	0.042	1.8	ug/m3	J	sp	<PQL			
4402560891	RISG-7-5.0-20191111	11/11/19	TO15SIM	75-00-3	Chloroethane	0.14	J	0.033	0.22	ug/m3	J	sp	<PQL			
4402560891	RISG-7-5.0-20191111	11/11/19	TO15SIM	91-20-3	Naphthalene	0.12	J	0.076	0.45	ug/m3	J	sp	<PQL			
4402560891	RISG-7-5.0-20191111	11/11/19	TO15SIMVOL	75-00-3	Chloroethane	0.053	J	0.013	0.086	ppbv	J	sp	<PQL			
4402560891	RISG-7-5.0-20191111	11/11/19	TO15SIMVOL	91-20-3	Naphthalene	0.022	J	0.014	0.086	ppbv	J	sp	<PQL			
4402560891	RISG-7-5.0-20191111	11/11/19	TO15SIMVOL	100-41-4	Ethyl Benzene	0.023	J	0.022	0.034	ppbv	J	sp	<PQL			
4402560891	RISG-7-5.0-20191111	11/11/19	TO15SIMVOL	74-87-3	Chloromethane	0.060	J	0.02	0.86	ppbv	J	sp	<PQL			
4402560891	RISG-7-5.0-20191111	11/11/19	TO15VOL	108-90-7	Chlorobenzene	0.084	J	0.044	0.17	ppbv	J	sp	<PQL			
4402560891	RISG-7-5.0-20191111	11/11/19	TO15VOL	64-17-5	Ethanol	0.49	J	0.18	0.86	ppbv	J	c,sp	ICAL %RSD; <PQL	39.788	30	%
4402560891	RISG-7-5.0-20191111	11/11/19	TO15VOL	75-09-2	Methylene Chloride	0.15	J	0.05	0.34	ppbv	J	sp	<PQL			
4402560891	RISG-7-5.0-20191111	11/11/19	TO15VOL	75-27-4	Bromodichloromethane	0.12	J	0.062	0.17	ppbv	J	sp	<PQL			
4402560891	RISG-7-5.0-20191111	11/11/19	TO15VOL	120-82-1	1,2,4-Trichlorobenzene		U	0.31	0.86	ppbv	UJ	c	ICV %D	35.03	30	%
4402560891	RISG-7-5.0-20191111	11/11/19	TO15VOL	78-93-3	2-Butanone	0.45	J	0.17	0.86	ppbv	J	sp	<PQL			
4402560891	RISG-7-5.0-20191111	11/11/19	TO15VOL	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.074	J	0.034	0.17	ppbv	J	sp	<PQL			
4402560891	RISG-8-5.0-20191112	11/12/19	TO15	120-82-1	1,2,4-Trichlorobenzene		U	2.4	6.6	ug/m3	UJ	c	ICV %D	35.03	30	%
4402560891	RISG-8-5.0-20191112	11/12/19	TO15	64-17-5	Ethanol	2.0		0.35	1.7	ug/m3	J	c	ICAL %RSD	39.788	30	%
4402560891	RISG-8-5.0-20191112	11/12/19	TO15	75-09-2	Methylene Chloride	0.57	J	0.18	1.2	ug/m3	J	sp	<PQL			
4402560891	RISG-8-5.0-20191112	11/12/19	TO15	78-93-3	2-Butanone	0.69	J	0.54	2.6	ug/m3	J	sp	<PQL			

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator	Qualification Finding	Acceptance Criteria	
4402560891	RISG-8-5.0-20191112	11/12/19	TO15SIM	56-23-5	Carbon Tetrachloride	0.15	J	0.1	0.22	ug/m3	J	sp	<PQL			
4402560891	RISG-8-5.0-20191112	11/12/19	TO15SIM	74-87-3	Chloromethane	0.14	J	0.044	1.8	ug/m3	J	sp	<PQL			
4402560891	RISG-8-5.0-20191112	11/12/19	TO15SIM	91-20-3	Naphthalene	0.18	J	0.08	0.47	ug/m3	J	sp	<PQL			
4402560891	RISG-8-5.0-20191112	11/12/19	TO15SIMVOL	91-20-3	Naphthalene	0.034	J	0.015	0.090	ppbv	J	sp	<PQL			
4402560891	RISG-8-5.0-20191112	11/12/19	TO15SIMVOL	74-87-3	Chloromethane	0.069	J	0.021	0.90	ppbv	J	sp	<PQL			
4402560891	RISG-8-5.0-20191112	11/12/19	TO15SIMVOL	56-23-5	Carbon Tetrachloride	0.024	J	0.017	0.036	ppbv	J	sp	<PQL			
4402560891	RISG-8-5.0-20191112	11/12/19	TO15VOL	78-93-3	2-Butanone	0.23	J	0.18	0.90	ppbv	J	sp	<PQL			
4402560891	RISG-8-5.0-20191112	11/12/19	TO15VOL	75-09-2	Methylene Chloride	0.16	J	0.052	0.36	ppbv	J	sp	<PQL			
4402560891	RISG-8-5.0-20191112	11/12/19	TO15VOL	120-82-1	1,2,4-Trichlorobenzene		U	0.32	0.90	ppbv	UJ	c	ICV %D	35.03	30	%
4402560891	RISG-8-5.0-20191112	11/12/19	TO15VOL	64-17-5	Ethanol	1.0		0.18	0.90	ppbv	J	c	ICAL %RSD	39.788	30	%
4402560891	RISG-30-5.0-20191113	11/13/19	TO15	110-82-7	Cyclohexane	1.0	J	0.41	1.5	ug/m3	J	sp	<PQL			
4402560891	RISG-30-5.0-20191113	11/13/19	TO15	120-82-1	1,2,4-Trichlorobenzene		U	5.9	16	ug/m3	UJ	c	ICV %D	35.03	30	%
4402560891	RISG-30-5.0-20191113	11/13/19	TO15	64-17-5	Ethanol		U	0.85	4.1	ug/m3	UJ	c	ICAL %RSD	39.788	30	%
4402560891	RISG-30-5.0-20191113	11/13/19	TO15	108-67-8	1,3,5-Trimethylbenzene	1.5	J	0.43	2.2	ug/m3	J	sp	<PQL			
4402560891	RISG-30-5.0-20191113	11/13/19	TO15	622-96-8	4-Ethyltoluene	1.4	J	0.5	2.2	ug/m3	J	sp	<PQL			
4402560891	RISG-30-5.0-20191113	11/13/19	TO15	541-73-1	1,3-Dichlorobenzene	2.6	J	0.9	2.6	ug/m3	J	sp	<PQL			
4402560891	RISG-30-5.0-20191113	11/13/19	TO15	75-69-4	Trichlorofluoromethane	1.2	J	0.51	2.5	ug/m3	J	sp	<PQL			
4402560891	RISG-30-5.0-20191113	11/13/19	TO15SIM	156-60-5	trans-1,2-Dichloroethene	0.82	J	0.13	1.7	ug/m3	J	sp	<PQL			
4402560891	RISG-30-5.0-20191113	11/13/19	TO15SIM	74-87-3	Chloromethane	0.20	J	0.11	4.5	ug/m3	J	sp	<PQL			
4402560891	RISG-30-5.0-20191113	11/13/19	TO15SIMVOL	74-87-3	Chloromethane	0.095	J	0.052	2.2	ppbv	J	sp	<PQL			
4402560891	RISG-30-5.0-20191113	11/13/19	TO15SIMVOL	156-60-5	trans-1,2-Dichloroethene	0.21	J	0.033	0.44	ppbv	J	sp	<PQL			
4402560891	RISG-30-5.0-20191113	11/13/19	TO15VOL	108-67-8	1,3,5-Trimethylbenzene	0.31	J	0.088	0.44	ppbv	J	sp	<PQL			
4402560891	RISG-30-5.0-20191113	11/13/19	TO15VOL	64-17-5	Ethanol		U	0.45	2.2	ppbv	UJ	c	ICAL %RSD	39.788	30	%
4402560891	RISG-30-5.0-20191113	11/13/19	TO15VOL	75-69-4	Trichlorofluoromethane	0.21	J	0.09	0.44	ppbv	J	sp	<PQL			
4402560891	RISG-30-5.0-20191113	11/13/19	TO15VOL	622-96-8	4-Ethyltoluene	0.28	J	0.1	0.44	ppbv	J	sp	<PQL			
4402560891	RISG-30-5.0-20191113	11/13/19	TO15VOL	120-82-1	1,2,4-Trichlorobenzene		U	0.8	2.2	ppbv	UJ	c	ICV %D	35.03	30	%
4402560891	RISG-30-5.0-20191113	11/13/19	TO15VOL	110-82-7	Cyclohexane	0.30	J	0.12	0.44	ppbv	J	sp	<PQL			
4402560891	RISG-30-5.0-20191113	11/13/19	TO15VOL	541-73-1	1,3-Dichlorobenzene	0.43	J	0.15	0.44	ppbv	J	sp	<PQL			
4402560891	RISG-30-5.0-20191113-FD	11/13/19	TO15	64-17-5	Ethanol		U	0.87	4.2	ug/m3	UJ	c	ICAL %RSD	39.788	30	%
4402560891	RISG-30-5.0-20191113-FD	11/13/19	TO15	75-69-4	Trichlorofluoromethane	1.3	J	0.52	2.5	ug/m3	J	sp	<PQL			
4402560891	RISG-30-5.0-20191113-FD	11/13/19	TO15	110-82-7	Cyclohexane	0.75	J	0.42	1.5	ug/m3	J	sp	<PQL			
4402560891	RISG-30-5.0-20191113-FD	11/13/19	TO15	120-82-1	1,2,4-Trichlorobenzene		U	6	17	ug/m3	UJ	c	ICV %D	35.03	30	%
4402560891	RISG-30-5.0-20191113-FD	11/13/19	TO15	622-96-8	4-Ethyltoluene	1.0	J	0.51	2.2	ug/m3	J	sp	<PQL			
4402560891	RISG-30-5.0-20191113-FD	11/13/19	TO15	108-67-8	1,3,5-Trimethylbenzene	1.2	J	0.44	2.2	ug/m3	J	sp	<PQL			
4402560891	RISG-30-5.0-20191113-FD	11/13/19	TO15SIM	156-60-5	trans-1,2-Dichloroethene	0.77	J	0.14	1.8	ug/m3	J	sp	<PQL			
4402560891	RISG-30-5.0-20191113-FD	11/13/19	TO15SIM	74-87-3	Chloromethane	0.22	J	0.11	4.6	ug/m3	J	sp	<PQL			
4402560891	RISG-30-5.0-20191113-FD	11/13/19	TO15SIMVOL	156-60-5	trans-1,2-Dichloroethene	0.20	J	0.034	0.45	ppbv	J	sp	<PQL			
4402560891	RISG-30-5.0-20191113-FD	11/13/19	TO15SIMVOL	74-87-3	Chloromethane	0.11	J	0.054	2.2	ppbv	J	sp	<PQL			
4402560891	RISG-30-5.0-20191113-FD	11/13/19	TO15VOL	75-69-4	Trichlorofluoromethane	0.23	J	0.092	0.45	ppbv	J	sp	<PQL			
4402560891	RISG-30-5.0-20191113-FD	11/13/19	TO15VOL	622-96-8	4-Ethyltoluene	0.20	J	0.1	0.45	ppbv	J	sp	<PQL			
4402560891	RISG-30-5.0-20191113-FD	11/13/19	TO15VOL	108-67-8	1,3,5-Trimethylbenzene	0.26	J	0.09	0.45	ppbv	J	sp	<PQL			
4402560891	RISG-30-5.0-20191113-FD	11/13/19	TO15VOL	64-17-5	Ethanol		U	0.46	2.2	ppbv	UJ	c	ICAL %RSD	39.788	30	%
4402560891	RISG-30-5.0-20191113-FD	11/13/19	TO15VOL	120-82-1	1,2,4-Trichlorobenzene		U	0.81	2.2	ppbv	UJ	c	ICV %D	35.03	30	%
4402560891	RISG-30-5.0-20191113-FD	11/13/19	TO15VOL	110-82-7	Cyclohexane	0.22	J	0.12	0.45	ppbv	J	sp	<PQL			
4402560891	RISG-30-10.0-20191113	11/13/19	TO15	110-82-7	Cyclohexane	0.37	J	0.19	0.69	ug/m3	J	sp	<PQL			
4402560891	RISG-30-10.0-20191113	11/13/19	TO15	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.48	J	0.3	1.5	ug/m3	J	sp	<PQL			
4402560891	RISG-30-10.0-20191113	11/13/19	TO15	120-82-1	1,2,4-Trichlorobenzene		U	2.7	7.4	ug/m3	UJ	c	ICV %D	35.03	30	%
4402560891	RISG-30-10.0-20191113	11/13/19	TO15	64-17-5	Ethanol	2.3		0.39	1.9	ug/m3	J	c	ICAL %RSD	39.788	30	%
4402560891	RISG-30-10.0-20191113	11/13/19	TO15	95-63-6	1,2,4-Trimethylbenzene	0.63	J	0.22	0.99	ug/m3	J	sp	<PQL			
4402560891	RISG-30-10.0-20191113	11/13/19	TO15	67-64-1	Acetone	15		0.8	4.8	ug/m3	J	fd	FD RPD	75	50	%
4402560891	RISG-30-10.0-20191113	11/13/19	TO15SIM	100-41-4	Ethyl Benzene	0.16	J	0.12	0.17	ug/m3	J	sp	<PQL			
4402560891	RISG-30-10.0-20191113	11/13/19	TO15SIM	75-01-4	Vinyl Chloride	0.049	J	0.039	0.051	ug/m3	J	sp	<PQL			
4402560891	RISG-30-10.0-20191113	11/13/19	TO15SIM	74-87-3	Chloromethane	0.21	J	0.05	2.1	ug/m3	J	sp	<PQL			
4402560891	RISG-30-10.0-20191113	11/13/19	TO15SIM	108-88-3	Toluene	0.72		0.11	0.38	ug/m3	J	fd	FD RPD	57	50	%
4402560891	RISG-30-10.0-20191113	11/13/19	TO15SIM	91-20-3	Naphthalene	0.38	J	0.089	0.53	ug/m3	J	sp	<PQL			
4402560891	RISG-30-10.0-20191113	11/13/19	TO15SIM	156-60-5	trans-1,2-Dichloroethene	0.34	J	0.061	0.80	ug/m3	J	sp	<PQL			
4402560891	RISG-30-10.0-20191113	11/13/19	TO15SIMVOL	91-20-3	Naphthalene	0.072	J	0.017	0.10	ppbv	J	sp	<PQL			
4402560891	RISG-30-10.0-20191113	11/13/19	TO15SIMVOL	100-41-4	Ethyl Benzene	0.037	J	0.026	0.040	ppbv	J	sp	<PQL			
4402560891	RISG-30-10.0-20191113	11/13/19	TO15SIMVOL	156-60-5	trans-1,2-Dichloroethene	0.087	J	0.015	0.20	ppbv	J	sp	<PQL			
4402560891	RISG-30-10.0-20191113	11/13/19	TO15SIMVOL	74-87-3	Chloromethane	0.10	J	0.024	1.0	ppbv	J	sp	<PQL			
4402560891	RISG-30-10.0-20191113	11/13/19	TO15SIMVOL	108-88-3	Toluene	0.19		0.03	0.10	ppbv	J	fd	FD RPD	57	50	%
4402560891	RISG-30-10.0-20191113	11/13/19	TO15SIMVOL	75-01-4	Vinyl Chloride	0.019	J	0.015	0.020	ppbv	J	sp	<PQL			
4402560891	RISG-30-10.0-20191113	11/13/19	TO15VOL	110-82-7	Cyclohexane	0.11	J	0.054	0.20	ppbv	J	sp	<PQL			
4402560891	RISG-30-10.0-20191113	11/13/19	TO15VOL	120-82-1	1,2,4-Trichlorobenzene		U	0.36	1.0	ppbv	UJ	c	ICV %D	35.03	30	%
4402560891	RISG-30-10.0-20191113	11/13/19	TO15VOL	64-17-5	Ethanol	1.2		0.21	1.0	ppbv	J	c	ICAL %RSD	39.788	30	%
4402560891	RISG-30-10.0-20191113	11/13/19	TO15VOL	67-64-1	Acetone	6.2		0.34	2.0	ppbv	J	fd	FD RPD	75	50	%

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator	Qualification Finding	Acceptance Criteria	
4402560891	RISG-30-10.0-20191113	11/13/19	TO15VOL	95-63-6	1,2,4-Trimethylbenzene	0.13	J	0.044	0.20	ppbv	J	sp	<PQL			
4402560891	RISG-30-10.0-20191113	11/13/19	TO15VOL	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.062	J	0.04	0.20	ppbv	J	sp	<PQL			
4402560891	RISG-30-10.0-20191113-FD	11/13/19	TO15	64-17-5	Ethanol		U	0.38	1.8	ug/m3	UJ	c	ICAL %RSD	39.788	30	%
4402560891	RISG-30-10.0-20191113-FD	11/13/19	TO15	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.54	J	0.3	1.5	ug/m3	J	sp	<PQL			
4402560891	RISG-30-10.0-20191113-FD	11/13/19	TO15	78-93-3	2-Butanone	1.0	J	0.59	2.9	ug/m3	J	sp	<PQL			
4402560891	RISG-30-10.0-20191113-FD	11/13/19	TO15	120-82-1	1,2,4-Trichlorobenzene		U	2.6	7.3	ug/m3	UJ	c	ICV %D	35.03	30	%
4402560891	RISG-30-10.0-20191113-FD	11/13/19	TO15	110-82-7	Cyclohexane	0.48	J	0.18	0.67	ug/m3	J	sp	<PQL			
4402560891	RISG-30-10.0-20191113-FD	11/13/19	TO15	67-64-1	Acetone	6.8		0.78	4.6	ug/m3	J	fd	FD RPD	75	50	%
4402560891	RISG-30-10.0-20191113-FD	11/13/19	TO15	95-63-6	1,2,4-Trimethylbenzene	0.34	J	0.21	0.96	ug/m3	J	sp	<PQL			
4402560891	RISG-30-10.0-20191113-FD	11/13/19	TO15SIM	156-60-5	trans-1,2-Dichloroethene	0.37	J	0.059	0.78	ug/m3	J	sp	<PQL			
4402560891	RISG-30-10.0-20191113-FD	11/13/19	TO15SIM	91-20-3	Naphthalene	0.38	J	0.087	0.51	ug/m3	J	sp	<PQL			
4402560891	RISG-30-10.0-20191113-FD	11/13/19	TO15SIM	75-01-4	Vinyl Chloride	0.046	J	0.038	0.050	ug/m3	J	sp	<PQL			
4402560891	RISG-30-10.0-20191113-FD	11/13/19	TO15SIM	108-88-3	Toluene	0.40		0.11	0.37	ug/m3	J	fd	FD RPD	57	50	%
4402560891	RISG-30-10.0-20191113-FD	11/13/19	TO15SIM	74-87-3	Chloromethane	0.13	J	0.048	2.0	ug/m3	J	sp	<PQL			
4402560891	RISG-30-10.0-20191113-FD	11/13/19	TO15SIM	106-46-7	1,4-Dichlorobenzene	0.13	J	0.13	0.24	ug/m3	J	sp	<PQL			
4402560891	RISG-30-10.0-20191113-FD	11/13/19	TO15SIMVOL	106-46-7	1,4-Dichlorobenzene	0.022	J	0.022	0.039	ppbv	J	sp	<PQL			
4402560891	RISG-30-10.0-20191113-FD	11/13/19	TO15SIMVOL	74-87-3	Chloromethane	0.063	J	0.023	0.98	ppbv	J	sp	<PQL			
4402560891	RISG-30-10.0-20191113-FD	11/13/19	TO15SIMVOL	91-20-3	Naphthalene	0.072	J	0.017	0.098	ppbv	J	sp	<PQL			
4402560891	RISG-30-10.0-20191113-FD	11/13/19	TO15SIMVOL	108-88-3	Toluene	0.11		0.03	0.098	ppbv	J	fd	FD RPD	57	50	%
4402560891	RISG-30-10.0-20191113-FD	11/13/19	TO15SIMVOL	75-01-4	Vinyl Chloride	0.018	J	0.015	0.020	ppbv	J	sp	<PQL			
4402560891	RISG-30-10.0-20191113-FD	11/13/19	TO15SIMVOL	156-60-5	trans-1,2-Dichloroethene	0.093	J	0.015	0.20	ppbv	J	sp	<PQL			
4402560891	RISG-30-10.0-20191113-FD	11/13/19	TO15SIMVOL	95-47-6	ortho-xylene	0.038	J	0.0088	0.039	ppbv	J	sp	<PQL			
4402560891	RISG-30-10.0-20191113-FD	11/13/19	TO15VOL	95-63-6	1,2,4-Trimethylbenzene	0.069	J	0.043	0.20	ppbv	J	sp	<PQL			
4402560891	RISG-30-10.0-20191113-FD	11/13/19	TO15VOL	64-17-5	Ethanol		U	0.2	0.98	ppbv	UJ	c	ICAL %RSD	39.788	30	%
4402560891	RISG-30-10.0-20191113-FD	11/13/19	TO15VOL	120-82-1	1,2,4-Trichlorobenzene		U	0.36	0.98	ppbv	UJ	c	ICV %D	35.03	30	%
4402560891	RISG-30-10.0-20191113-FD	11/13/19	TO15VOL	110-82-7	Cyclohexane	0.14	J	0.053	0.20	ppbv	J	sp	<PQL			
4402560891	RISG-30-10.0-20191113-FD	11/13/19	TO15VOL	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.070	J	0.039	0.20	ppbv	J	sp	<PQL			
4402560891	RISG-30-10.0-20191113-FD	11/13/19	TO15VOL	67-64-1	Acetone	2.9		0.33	2.0	ppbv	J	fd	FD RPD	75	50	%
4402560891	RISG-30-10.0-20191113-FD	11/13/19	TO15VOL	78-93-3	2-Butanone	0.36	J	0.2	0.98	ppbv	J	sp	<PQL			
4402564081	RISG-80-5.0-20191115	11/15/19	TO15	75-00-3	Chloroethane	42	J	28	99	ug/m3	J	sp	<PQL			
4402564081	RISG-80-5.0-20191115	11/15/19	TO15	67-64-1	Acetone	58	J	13	89	ug/m3	J	sp	<PQL			
4402564081	RISG-80-5.0-20191115	11/15/19	TO15	75-09-2	Methylene Chloride	50	J	20	130	ug/m3	J	sp	<PQL			
4402564081	RISG-80-5.0-20191115	11/15/19	TO15	96-18-4	1,2,3-Trichloropropane		U	220	220	ug/m3	UJ	c	ICAL %RSD	31.26	30	%
4402564081	RISG-80-5.0-20191115	11/15/19	TO15	87-68-3	Hexachlorobutadiene		U	250	400	ug/m3	UJ	c	ICAL %RSD	36.478	30	%
4402564081	RISG-80-5.0-20191115	11/15/19	TO15VOL	96-18-4	1,2,3-Trichloropropane		U	37	37	ppbv	UJ	c	ICAL %RSD	31.26	30	%
4402564081	RISG-80-5.0-20191115	11/15/19	TO15VOL	75-09-2	Methylene Chloride	14	J	5.8	37	ppbv	J	sp	<PQL			
4402564081	RISG-80-5.0-20191115	11/15/19	TO15VOL	87-68-3	Hexachlorobutadiene		U	23	37	ppbv	UJ	c	ICAL %RSD	36.478	30	%
4402564081	RISG-80-5.0-20191115	11/15/19	TO15VOL	75-00-3	Chloroethane	16	J	11	37	ppbv	J	sp	<PQL			
4402564081	RISG-80-5.0-20191115	11/15/19	TO15VOL	67-64-1	Acetone	24	J	5.5	37	ppbv	J	sp	<PQL			
4402564081	RISG-80-15.0-20191115	11/15/19	TO15	108-88-3	Toluene	11	J	1.3	13	ug/m3	J	sp	<PQL			
4402564081	RISG-80-15.0-20191115	11/15/19	TO15	75-27-4	Bromodichloromethane	3.8	J	2.8	23	ug/m3	J	sp	<PQL			
4402564081	RISG-80-15.0-20191115	11/15/19	TO15	108-10-1	4-Methyl-2-pentanone	8.6	J	5.7	14	ug/m3	J	sp	<PQL			
4402564081	RISG-80-15.0-20191115	11/15/19	TO15	136777-61-2	m,p-xylene	8.4	J	1.8	15	ug/m3	J	sp	<PQL			
4402564081	RISG-80-15.0-20191115	11/15/19	TO15	75-09-2	Methylene Chloride	14	J	8.2	120	ug/m3	J	bl,bb,sp	blank contamination below PQL; <PQL	2.3	4.6	ug/m³
4402564081	RISG-80-15.0-20191115	11/15/19	TO15	75-00-3	Chloroethane	14	J	4.4	37	ug/m3	J	sp	<PQL			
4402564081	RISG-80-15.0-20191115	11/15/19	TO15	541-73-1	1,3-Dichlorobenzene	20	J	2.5	21	ug/m3	J	sp	<PQL			
4402564081	RISG-80-15.0-20191115	11/15/19	TO15	127-18-4	Tetrachloroethene	18	J	2.8	24	ug/m3	J	sp	<PQL			
4402564081	RISG-80-15.0-20191115	11/15/19	TO15	78-93-3	2-Butanone	33	J	9.7	41	ug/m3	J	sp	<PQL			
4402564081	RISG-80-15.0-20191115	11/15/19	TO15	95-47-6	ortho-xylene	3.8	J	3.3	15	ug/m3	J	sp	<PQL			
4402564081	RISG-80-15.0-20191115	11/15/19	TO15	95-63-6	1,2,4-Trimethylbenzene	4.5	J	2.1	17	ug/m3	J	sp	<PQL			
4402564081	RISG-80-15.0-20191115	11/15/19	TO15	71-43-2	Benzene	2.1	J	2	11	ug/m3	J	sp	<PQL			
4402564081	RISG-80-15.0-20191115	11/15/19	TO15	75-15-0	Carbon Disulfide	10	J	6.5	44	ug/m3	J	sp	<PQL			
4402564081	RISG-80-15.0-20191115	11/15/19	TO15	591-78-6	2-Hexanone	16	J	6.3	57	ug/m3	J	sp	<PQL			
4402564081	RISG-80-15.0-20191115	11/15/19	TO15VOL	71-43-2	Benzene	0.66	J	0.63	3.5	ppbv	J	sp	<PQL			
4402564081	RISG-80-15.0-20191115	11/15/19	TO15VOL	108-10-1	4-Methyl-2-pentanone	2.1	J	1.4	3.5	ppbv	J	sp	<PQL			
4402564081	RISG-80-15.0-20191115	11/15/19	TO15VOL	108-88-3	Toluene	3.0	J	0.35	3.5	ppbv	J	sp	<PQL			
4402564081	RISG-80-15.0-20191115	11/15/19	TO15VOL	75-00-3	Chloroethane	5.3	J	1.7	14	ppbv	J	sp	<PQL			
4402564081	RISG-80-15.0-20191115	11/15/19	TO15VOL	136777-61-2	m,p-xylene	1.9	J	0.42	3.5	ppbv	J	sp	<PQL			
4402564081	RISG-80-15.0-20191115	11/15/19	TO15VOL	75-09-2	Methylene Chloride	3.9	J	2.4	35	ppbv	J	bl,bb,sp	blank contamination below PQL; <PQL	2.3	4.6	ug/m³
4402564081	RISG-80-15.0-20191115	11/15/19	TO15VOL	95-63-6	1,2,4-Trimethylbenzene	0.92	J	0.42	3.5	ppbv	J	sp	<PQL			
4402564081	RISG-80-15.0-20191115	11/15/19	TO15VOL	75-27-4	Bromodichloromethane	0.56	J	0.42	3.5	ppbv	J	sp	<PQL			
4402564081	RISG-80-15.0-20191115	11/15/19	TO15VOL	591-78-6	2-Hexanone	3.8	J	1.5	14	ppbv	J	sp	<PQL			
4402564081	RISG-80-15.0-20191115	11/15/19	TO15VOL	127-18-4	Tetrachloroethene	2.7	J	0.42	3.5	ppbv	J	sp	<PQL			
4402564081	RISG-80-15.0-20191115	11/15/19	TO15VOL	541-73-1	1,3-Dichlorobenzene	3.4	J	0.42	3.5	ppbv	J	sp	<PQL			
4402564081	RISG-80-15.0-20191115	11/15/19	TO15VOL	95-47-6	ortho-xylene	0.88	J	0.77	3.5	ppbv	J	sp	<PQL			
4402564081	RISG-80-15.0-20191115	11/15/19	TO15VOL	75-15-0	Carbon Disulfide	3.4	J	2.1	14	ppbv	J	sp	<PQL			

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator	Qualification Finding	Acceptance Criteria	
4402564081	RISG-80-15.0-20191115	11/15/19	TO15VOL	78-93-3	2-Butanone	11	J	3.3	14	ppbv	J	sp	<PQL			
4402564081	RISG-83-5.0-20191115	11/15/19	TO15	107-06-2	1,2-Dichloroethane	20	J	14	40	ug/m3	J	sp	<PQL			
4402564081	RISG-83-5.0-20191115	11/15/19	TO15	75-00-3	Chloroethane	39	J	12	100	ug/m3	J	sp	<PQL			
4402564081	RISG-83-5.0-20191115	11/15/19	TO15	67-64-1	Acetone	130	J	37	230	ug/m3	J	sp	<PQL			
4402564081	RISG-83-5.0-20191115	11/15/19	TO15	127-18-4	Tetrachloroethene	62	J	8	66	ug/m3	J	sp	<PQL			
4402564081	RISG-83-5.0-20191115	11/15/19	TO15	136777-61-2	m,p-xylene	7.6	J	5.1	42	ug/m3	J	sp	<PQL			
4402564081	RISG-83-5.0-20191115	11/15/19	TO15	108-88-3	Toluene	14	J	3.7	37	ug/m3	J	sp	<PQL			
4402564081	RISG-83-5.0-20191115	11/15/19	TO15VOL	107-06-2	1,2-Dichloroethane	4.8	J	3.5	9.8	ppbv	J	sp	<PQL			
4402564081	RISG-83-5.0-20191115	11/15/19	TO15VOL	108-88-3	Toluene	3.6	J	0.98	9.8	ppbv	J	sp	<PQL			
4402564081	RISG-83-5.0-20191115	11/15/19	TO15VOL	127-18-4	Tetrachloroethene	9.1	J	1.2	9.8	ppbv	J	sp	<PQL			
4402564081	RISG-83-5.0-20191115	11/15/19	TO15VOL	75-00-3	Chloroethane	15	J	4.7	39	ppbv	J	sp	<PQL			
4402564081	RISG-83-5.0-20191115	11/15/19	TO15VOL	136777-61-2	m,p-xylene	1.7	J	1.2	9.8	ppbv	J	sp	<PQL			
4402564081	RISG-83-5.0-20191115	11/15/19	TO15VOL	67-64-1	Acetone	54	J	16	98	ppbv	J	sp	<PQL			
4402564081	RISG-83-15.0-20191115	11/15/19	TO15	75-27-4	Bromodichloromethane	6.8	J	5.9	59	ug/m3	J	sp	<PQL			
4402564081	RISG-83-15.0-20191115	11/15/19	TO15	96-18-4	1,2,3-Trichloropropane		U	210	210	ug/m3	UJ	c	ICAL %RSD	31.26	30	%
4402564081	RISG-83-15.0-20191115	11/15/19	TO15	67-64-1	Acetone	71	J	12	83	ug/m3	J	sp	<PQL			
4402564081	RISG-83-15.0-20191115	11/15/19	TO15	75-69-4	Trichlorofluoromethane	9.4	J	7.3	49	ug/m3	J	sp	<PQL			
4402564081	RISG-83-15.0-20191115	11/15/19	TO15	75-09-2	Methylene Chloride	55	J	19	120	ug/m3	J	sp	<PQL			
4402564081	RISG-83-15.0-20191115	11/15/19	TO15	87-68-3	Hexachlorobutadiene		U	230	370	ug/m3	UJ	c	ICAL %RSD	36.478	30	%
4402564081	RISG-83-15.0-20191115	11/15/19	TO15VOL	96-18-4	1,2,3-Trichloropropane		U	35	35	ppbv	UJ	c	ICAL %RSD	31.26	30	%
4402564081	RISG-83-15.0-20191115	11/15/19	TO15VOL	87-68-3	Hexachlorobutadiene		U	22	35	ppbv	UJ	c	ICAL %RSD	36.478	30	%
4402564081	RISG-83-15.0-20191115	11/15/19	TO15VOL	75-09-2	Methylene Chloride	16	J	5.4	35	ppbv	J	sp	<PQL			
4402564081	RISG-83-15.0-20191115	11/15/19	TO15VOL	75-69-4	Trichlorofluoromethane	1.7	J	1.3	8.8	ppbv	J	sp	<PQL			
4402564081	RISG-83-15.0-20191115	11/15/19	TO15VOL	75-27-4	Bromodichloromethane	1.0	J	0.88	8.8	ppbv	J	sp	<PQL			
4402564081	RISG-83-15.0-20191115	11/15/19	TO15VOL	67-64-1	Acetone	30	J	5.1	35	ppbv	J	sp	<PQL			
4402568211	RISG-72-5.0-20191204	12/04/19	TO15	75-27-4	Bromodichloromethane	1.5	J	1	2.8	ug/m3	J	sp	<PQL			
4402568211	RISG-72-5.0-20191204	12/04/19	TO15	75-69-4	Trichlorofluoromethane	1.6	J	0.49	2.4	ug/m3	J	sp	<PQL			
4402568211	RISG-72-5.0-20191204	12/04/19	TO15	120-82-1	1,2,4-Trichlorobenzene		U	5.7	16	ug/m3	UJ	c	ICV %D	35.03	30	%
4402568211	RISG-72-5.0-20191204	12/04/19	TO15	67-64-1	Acetone	4.6	J	1.7	10	ug/m3	J	sp	<PQL			
4402568211	RISG-72-5.0-20191204	12/04/19	TO15	64-17-5	Ethanol	4.4		0.83	4.0	ug/m3	J	c	ICAL %RSD	39.788	30	%
4402568211	RISG-72-5.0-20191204	12/04/19	TO15SIM	106-93-4	1,2-Dibromoethane	0.12	J	0.1	0.65	ug/m3	J	bl,bb,sp	blank contamination below PQL; <PQL	0.027	0.054	ug/m³
4402568211	RISG-72-5.0-20191204	12/04/19	TO15SIMVOL	106-93-4	1,2-Dibromoethane	0.015	J	0.013	0.085	ppbv	J	bl,bb,sp	blank contamination below PQL; <PQL	0.027	0.054	ug/m³
4402568211	RISG-72-5.0-20191204	12/04/19	TO15VOL	75-27-4	Bromodichloromethane	0.23	J	0.15	0.42	ppbv	J	sp	<PQL			
4402568211	RISG-72-5.0-20191204	12/04/19	TO15VOL	67-64-1	Acetone	1.9	J	0.72	4.2	ppbv	J	sp	<PQL			
4402568211	RISG-72-5.0-20191204	12/04/19	TO15VOL	75-69-4	Trichlorofluoromethane	0.28	J	0.088	0.42	ppbv	J	sp	<PQL			
4402568211	RISG-72-5.0-20191204	12/04/19	TO15VOL	64-17-5	Ethanol	2.3		0.44	2.1	ppbv	J	c	ICAL %RSD	39.788	30	%
4402568211	RISG-72-5.0-20191204	12/04/19	TO15VOL	120-82-1	1,2,4-Trichlorobenzene		U	0.77	2.1	ppbv	UJ	c	ICV %D	35.03	30	%
4402568211	RISG-72-15.0-20191204	12/04/19	TO15	67-64-1	Acetone	7.0	J	3.4	20	ug/m3	J	sp	<PQL			
4402568211	RISG-72-15.0-20191204	12/04/19	TO15	120-82-1	1,2,4-Trichlorobenzene		U	11	31	ug/m3	UJ	c	ICV %D	35.03	30	%
4402568211	RISG-72-15.0-20191204	12/04/19	TO15	75-27-4	Bromodichloromethane	2.6	J	2	5.7	ug/m3	J	sp	<PQL			
4402568211	RISG-72-15.0-20191204	12/04/19	TO15	64-17-5	Ethanol	5.7	J	1.6	8.0	ug/m3	J	c,sp	ICAL %RSD; <PQL	39.788	30	%
4402568211	RISG-72-15.0-20191204	12/04/19	TO15	75-69-4	Trichlorofluoromethane	1.8	J	0.98	4.7	ug/m3	J	sp	<PQL			
4402568211	RISG-72-15.0-20191204	12/04/19	TO15SIM	95-47-6	ortho-xylene	0.21	J	0.16	0.73	ug/m3	J	sp	<PQL			
4402568211	RISG-72-15.0-20191204	12/04/19	TO15SIM	91-20-3	Naphthalene	0.49	J	0.38	2.2	ug/m3	J	bl,bb,sp	blank contamination below PQL; <PQL	0.066	0.132	ug/m³
4402568211	RISG-72-15.0-20191204	12/04/19	TO15SIM	156-59-2	cis-1,2-Dichloroethene	0.37	J	0.24	0.67	ug/m3	J	sp	<PQL			
4402568211	RISG-72-15.0-20191204	12/04/19	TO15SIM	108-88-3	Toluene	0.58	J	0.48	1.6	ug/m3	J	sp	<PQL			
4402568211	RISG-72-15.0-20191204	12/04/19	TO15SIMVOL	95-47-6	ortho-xylene	0.048	J	0.038	0.17	ppbv	J	sp	<PQL			
4402568211	RISG-72-15.0-20191204	12/04/19	TO15SIMVOL	91-20-3	Naphthalene	0.094	J	0.072	0.42	ppbv	J	bl,bb,sp	blank contamination below PQL; <PQL	0.066	0.132	ug/m³
4402568211	RISG-72-15.0-20191204	12/04/19	TO15SIMVOL	156-59-2	cis-1,2-Dichloroethene	0.094	J	0.059	0.17	ppbv	J	sp	<PQL			
4402568211	RISG-72-15.0-20191204	12/04/19	TO15SIMVOL	108-88-3	Toluene	0.15	J	0.13	0.42	ppbv	J	sp	<PQL			
4402568211	RISG-72-15.0-20191204	12/04/19	TO15VOL	64-17-5	Ethanol	3.0	J	0.87	4.2	ppbv	J	c,sp	ICAL %RSD; <PQL	39.788	30	%
4402568211	RISG-72-15.0-20191204	12/04/19	TO15VOL	120-82-1	1,2,4-Trichlorobenzene		U	1.5	4.2	ppbv	UJ	c	ICV %D	35.03	30	%
4402568211	RISG-72-15.0-20191204	12/04/19	TO15VOL	75-27-4	Bromodichloromethane	0.38	J	0.3	0.84	ppbv	J	sp	<PQL			
4402568211	RISG-72-15.0-20191204	12/04/19	TO15VOL	75-69-4	Trichlorofluoromethane	0.31	J	0.17	0.84	ppbv	J	sp	<PQL			
4402568211	RISG-72-15.0-20191204	12/04/19	TO15VOL	67-64-1	Acetone	3.0	J	1.4	8.4	ppbv	J	sp	<PQL			
4402568211	RISG-74-5.0-20191203	12/03/19	TO15	120-82-1	1,2,4-Trichlorobenzene		U	24	67	ug/m3	UJ	c	ICV %D	35.03	30	%
4402568211	RISG-74-5.0-20191203	12/03/19	TO15	75-15-0	Carbon Disulfide	15	J	4.8	28	ug/m3	J	sp	<PQL			
4402568211	RISG-74-5.0-20191203	12/03/19	TO15	75-09-2	Methylene Chloride	10	J	1.8	12	ug/m3	J	bl,bb,sp	blank contamination below PQL; <PQL	0.013	0.026	ug/m³
4402568211	RISG-74-5.0-20191203	12/03/19	TO15	100-42-5	Styrene	2.1	J	0.83	7.7	ug/m3	J	sp	<PQL			
4402568211	RISG-74-5.0-20191203	12/03/19	TO15	64-17-5	Ethanol		U	3.5	17	ug/m3	UJ	c	ICAL %RSD	39.788	30	%
4402568211	RISG-74-5.0-20191203	12/03/19	TO15SIM	95-47-6	ortho-xylene	0.65	J	0.35	1.6	ug/m3	J	sp	<PQL			
4402568211	RISG-74-5.0-20191203	12/03/19	TO15SIM	56-23-5	Carbon Tetrachloride	1.4	J	1	2.3	ug/m3	J	sp	<PQL			
4402568211	RISG-74-5.0-20191203	12/03/19	TO15SIMVOL	56-23-5	Carbon Tetrachloride	0.22	J	0.17	0.36	ppbv	J	sp	<PQL			
4402568211	RISG-74-5.0-20191203	12/03/19	TO15SIMVOL	95-47-6	ortho-xylene	0.15	J	0.081	0.36	ppbv	J	sp	<PQL			
4402568211	RISG-74-5.0-20191203	12/03/19	TO15VOL	75-09-2	Methylene Chloride	3.0	J	0.52	3.6	ppbv	J	bl,bb,sp	blank contamination below PQL; <PQL	0.013	0.026	ug/m³
4402568211	RISG-74-5.0-20191203	12/03/19	TO15VOL	75-15-0	Carbon Disulfide	4.9	J	1.6	9.0	ppbv	J	sp	<PQL			

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator	Qualification Finding	Acceptance Criteria	
4402568211	RISG-74-5.0-20191203	12/03/19	TO15VOL	64-17-5	Ethanol		U	1.9	9.0	ppbv	UJ	c	ICAL %RSD	39.788	30	%
4402568211	RISG-74-5.0-20191203	12/03/19	TO15VOL	100-42-5	Styrene	0.50	J	0.19	1.8	ppbv	J	sp	<PQL			
4402568211	RISG-74-5.0-20191203	12/03/19	TO15VOL	120-82-1	1,2,4-Trichlorobenzene		U	3.3	9.0	ppbv	UJ	c	ICV %D	35.03	30	%
4402568211	RISG-74-5.0-20191203-FD	12/03/19	TO15	100-42-5	Styrene	1.8	J	0.79	7.4	ug/m3	J	sp	<PQL			
4402568211	RISG-74-5.0-20191203-FD	12/03/19	TO15	64-17-5	Ethanol	4.9	J	3.4	16	ug/m3	J	c,sp	ICAL %RSD; <PQL	39.788	30	%
4402568211	RISG-74-5.0-20191203-FD	12/03/19	TO15	120-82-1	1,2,4-Trichlorobenzene		U	23	64	ug/m3	UJ	c	ICV %D	35.03	30	%
4402568211	RISG-74-5.0-20191203-FD	12/03/19	TO15	75-09-2	Methylene Chloride	12	J	1.7	12	ug/m3	J	bl,bb,sp	blank contamination below PQL; <PQL	0.013	0.026	ug/m³
4402568211	RISG-74-5.0-20191203-FD	12/03/19	TO15	75-15-0	Carbon Disulfide	16	J	4.6	27	ug/m3	J	sp	<PQL			
4402568211	RISG-74-5.0-20191203-FD	12/03/19	TO15	67-64-1	Acetone	14	J	6.9	41	ug/m3	J	sp	<PQL			
4402568211	RISG-74-5.0-20191203-FD	12/03/19	TO15SIM	56-23-5	Carbon Tetrachloride	1.4	J	1	2.2	ug/m3	J	sp	<PQL			
4402568211	RISG-74-5.0-20191203-FD	12/03/19	TO15SIM	95-47-6	ortho-xylene	0.57	J	0.34	1.5	ug/m3	J	sp	<PQL			
4402568211	RISG-74-5.0-20191203-FD	12/03/19	TO15SIM	75-00-3	Chloroethane	0.37	J	0.34	2.3	ug/m3	J	sp	<PQL			
4402568211	RISG-74-5.0-20191203-FD	12/03/19	TO15SIMVOL	75-00-3	Chloroethane	0.14	J	0.13	0.86	ppbv	J	sp	<PQL			
4402568211	RISG-74-5.0-20191203-FD	12/03/19	TO15SIMVOL	56-23-5	Carbon Tetrachloride	0.22	J	0.16	0.35	ppbv	J	sp	<PQL			
4402568211	RISG-74-5.0-20191203-FD	12/03/19	TO15SIMVOL	95-47-6	ortho-xylene	0.13	J	0.078	0.35	ppbv	J	sp	<PQL			
4402568211	RISG-74-5.0-20191203-FD	12/03/19	TO15VOL	75-09-2	Methylene Chloride	3.4	J	0.5	3.5	ppbv	J	bl,bb,sp	blank contamination below PQL; <PQL	0.013	0.026	ug/m³
4402568211	RISG-74-5.0-20191203-FD	12/03/19	TO15VOL	67-64-1	Acetone	6.1	J	2.9	17	ppbv	J	sp	<PQL			
4402568211	RISG-74-5.0-20191203-FD	12/03/19	TO15VOL	75-15-0	Carbon Disulfide	5.3	J	1.5	8.6	ppbv	J	sp	<PQL			
4402568211	RISG-74-5.0-20191203-FD	12/03/19	TO15VOL	64-17-5	Ethanol	2.6	J	1.8	8.6	ppbv	J	c,sp	ICAL %RSD; <PQL	39.788	30	%
4402568211	RISG-74-5.0-20191203-FD	12/03/19	TO15VOL	120-82-1	1,2,4-Trichlorobenzene		U	3.1	8.6	ppbv	UJ	c	ICV %D	35.03	30	%
4402568211	RISG-74-5.0-20191203-FD	12/03/19	TO15VOL	100-42-5	Styrene	0.43	J	0.19	1.7	ppbv	J	sp	<PQL			
4402568211	RISG-74-15.0-20191203	12/03/19	TO15	120-82-1	1,2,4-Trichlorobenzene		U	23	64	ug/m3	UJ	c	ICV %D	35.03	30	%
4402568211	RISG-74-15.0-20191203	12/03/19	TO15	541-73-1	1,3-Dichlorobenzene	5.1	J	3.6	10	ug/m3	J	sp	<PQL			
4402568211	RISG-74-15.0-20191203	12/03/19	TO15	75-15-0	Carbon Disulfide	19	J	4.6	27	ug/m3	J	sp	<PQL			
4402568211	RISG-74-15.0-20191203	12/03/19	TO15	64-17-5	Ethanol	7.1	J	3.4	16	ug/m3	J	c,sp	ICAL %RSD; <PQL	39.788	30	%
4402568211	RISG-74-15.0-20191203	12/03/19	TO15	67-64-1	Acetone	21	J	6.9	41	ug/m3	J	sp	<PQL			
4402568211	RISG-74-15.0-20191203	12/03/19	TO15	78-93-3	2-Butanone	16	J	5.2	26	ug/m3	J	sp	<PQL			
4402568211	RISG-74-15.0-20191203	12/03/19	TO15SIM	74-87-3	Chloromethane	0.63	J	0.43	18	ug/m3	J	sp	<PQL			
4402568211	RISG-74-15.0-20191203	12/03/19	TO15SIM	108-88-3	Toluene	1.8	J	0.99	3.2	ug/m3	J	sp	<PQL			
4402568211	RISG-74-15.0-20191203	12/03/19	TO15SIMVOL	108-88-3	Toluene	0.47	J	0.26	0.86	ppbv	J	sp	<PQL			
4402568211	RISG-74-15.0-20191203	12/03/19	TO15SIMVOL	74-87-3	Chloromethane	0.30	J	0.21	8.6	ppbv	J	sp	<PQL			
4402568211	RISG-74-15.0-20191203	12/03/19	TO15VOL	78-93-3	2-Butanone	5.3	J	1.8	8.6	ppbv	J	sp	<PQL			
4402568211	RISG-74-15.0-20191203	12/03/19	TO15VOL	541-73-1	1,3-Dichlorobenzene	0.84	J	0.59	1.7	ppbv	J	sp	<PQL			
4402568211	RISG-74-15.0-20191203	12/03/19	TO15VOL	120-82-1	1,2,4-Trichlorobenzene		U	3.1	8.6	ppbv	UJ	c	ICV %D	35.03	30	%
4402568211	RISG-74-15.0-20191203	12/03/19	TO15VOL	64-17-5	Ethanol	3.8	J	1.8	8.6	ppbv	J	c,sp	ICAL %RSD; <PQL	39.788	30	%
4402568211	RISG-74-15.0-20191203	12/03/19	TO15VOL	75-15-0	Carbon Disulfide	6.1	J	1.5	8.6	ppbv	J	sp	<PQL			
4402568211	RISG-74-15.0-20191203	12/03/19	TO15VOL	67-64-1	Acetone	9.0	J	2.9	17	ppbv	J	sp	<PQL			
4402568211	RISG-74-15.0-20191203-FD	12/03/19	TO15	64-17-5	Ethanol		U	3.4	16	ug/m3	UJ	c	ICAL %RSD	39.788	30	%
4402568211	RISG-74-15.0-20191203-FD	12/03/19	TO15	541-73-1	1,3-Dichlorobenzene	4.2	J	3.6	10	ug/m3	J	sp	<PQL			
4402568211	RISG-74-15.0-20191203-FD	12/03/19	TO15	67-64-1	Acetone	19	J	6.9	41	ug/m3	J	sp	<PQL			
4402568211	RISG-74-15.0-20191203-FD	12/03/19	TO15	78-93-3	2-Butanone	12	J	5.2	25	ug/m3	J	sp	<PQL			
4402568211	RISG-74-15.0-20191203-FD	12/03/19	TO15	75-15-0	Carbon Disulfide	23	J	4.6	27	ug/m3	J	sp	<PQL			
4402568211	RISG-74-15.0-20191203-FD	12/03/19	TO15	120-82-1	1,2,4-Trichlorobenzene		U	23	64	ug/m3	UJ	c	ICV %D	35.03	30	%
4402568211	RISG-74-15.0-20191203-FD	12/03/19	TO15SIM	75-00-3	Chloroethane	0.36	J	0.34	2.3	ug/m3	J	sp	<PQL			
4402568211	RISG-74-15.0-20191203-FD	12/03/19	TO15SIM	95-47-6	ortho-xylene	0.37	J	0.33	1.5	ug/m3	J	sp	<PQL			
4402568211	RISG-74-15.0-20191203-FD	12/03/19	TO15SIM	74-87-3	Chloromethane	0.62	J	0.42	18	ug/m3	J	sp	<PQL			
4402568211	RISG-74-15.0-20191203-FD	12/03/19	TO15SIM	108-88-3	Toluene	1.6	J	0.98	3.2	ug/m3	J	sp	<PQL			
4402568211	RISG-74-15.0-20191203-FD	12/03/19	TO15SIMVOL	95-47-6	ortho-xylene	0.085	J	0.077	0.34	ppbv	J	sp	<PQL			
4402568211	RISG-74-15.0-20191203-FD	12/03/19	TO15SIMVOL	75-00-3	Chloroethane	0.14	J	0.13	0.86	ppbv	J	sp	<PQL			
4402568211	RISG-74-15.0-20191203-FD	12/03/19	TO15SIMVOL	108-88-3	Toluene	0.42	J	0.26	0.86	ppbv	J	sp	<PQL			
4402568211	RISG-74-15.0-20191203-FD	12/03/19	TO15SIMVOL	74-87-3	Chloromethane	0.30	J	0.2	8.6	ppbv	J	sp	<PQL			
4402568211	RISG-74-15.0-20191203-FD	12/03/19	TO15VOL	75-15-0	Carbon Disulfide	7.3	J	1.5	8.6	ppbv	J	sp	<PQL			
4402568211	RISG-74-15.0-20191203-FD	12/03/19	TO15VOL	120-82-1	1,2,4-Trichlorobenzene		U	3.1	8.6	ppbv	UJ	c	ICV %D	35.03	30	%
4402568211	RISG-74-15.0-20191203-FD	12/03/19	TO15VOL	64-17-5	Ethanol		U	1.8	8.6	ppbv	UJ	c	ICAL %RSD	39.788	30	%
4402568211	RISG-74-15.0-20191203-FD	12/03/19	TO15VOL	541-73-1	1,3-Dichlorobenzene	0.71	J	0.59	1.7	ppbv	J	sp	<PQL			
4402568211	RISG-74-15.0-20191203-FD	12/03/19	TO15VOL	67-64-1	Acetone	8.0	J	2.9	17	ppbv	J	sp	<PQL			
4402568211	RISG-74-15.0-20191203-FD	12/03/19	TO15VOL	78-93-3	2-Butanone	3.9	J	1.8	8.6	ppbv	J	sp	<PQL			
4402568211	RISG-75-5.0-20191203	12/03/19	TO15	64-17-5	Ethanol	3.2	J	1.1	5.2	ug/m3	J	c,sp	ICAL %RSD; <PQL	39.788	30	%
4402568211	RISG-75-5.0-20191203	12/03/19	TO15	120-82-1	1,2,4-Trichlorobenzene		U	7.5	21	ug/m3	UJ	c	ICV %D	35.03	30	%
4402568211	RISG-75-5.0-20191203	12/03/19	TO15	110-82-7	Cyclohexane	0.64	J	0.52	1.9	ug/m3	J	sp	<PQL			
4402568211	RISG-75-5.0-20191203	12/03/19	TO15	95-63-6	1,2,4-Trimethylbenzene	1.1	J	0.6	2.7	ug/m3	J	sp	<PQL			
4402568211	RISG-75-5.0-20191203	12/03/19	TO15	541-73-1	1,3-Dichlorobenzene	1.3	J	1.2	3.3	ug/m3	J	sp	<PQL			
4402568211	RISG-75-5.0-20191203	12/03/19	TO15	75-09-2	Methylene Chloride	0.95	J	0.56	3.9	ug/m3	J	bl,bb,sp	blank contamination below PQL; <PQL	0.013	0.026	ug/m³
4402568211	RISG-75-5.0-20191203	12/03/19	TO15	75-69-4	Trichlorofluoromethane	1.2	J	0.64	3.1	ug/m3	J	sp	<PQL			
4402568211	RISG-75-5.0-20191203	12/03/19	TO15	124-48-1	Dibromochloromethane	3.8	J	1.4	4.7	ug/m3	J	sp	<PQL			
4402568211	RISG-75-5.0-20191203	12/03/19	TO15	67-64-1	Acetone	5.4	J	2.2	13	ug/m3	J	sp	<PQL			

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator	Qualification Finding	Acceptance Criteria	
4402568211	RISG-75-5.0-20191203	12/03/19	TO15SIM	106-93-4	1,2-Dibromoethane	0.35	J	0.13	0.86	ug/m3	J	sp	<PQL			
4402568211	RISG-75-5.0-20191203	12/03/19	TO15SIM	75-00-3	Chloroethane	0.17	J	0.11	0.73	ug/m3	J	sp	<PQL			
4402568211	RISG-75-5.0-20191203	12/03/19	TO15SIM	107-06-2	1,2-Dichloroethane	0.12	J	0.082	0.45	ug/m3	J	sp	<PQL			
4402568211	RISG-75-5.0-20191203	12/03/19	TO15SIMVOL	107-06-2	1,2-Dichloroethane	0.028	J	0.02	0.11	ppbv	J	sp	<PQL			
4402568211	RISG-75-5.0-20191203	12/03/19	TO15SIMVOL	75-00-3	Chloroethane	0.066	J	0.041	0.28	ppbv	J	sp	<PQL			
4402568211	RISG-75-5.0-20191203	12/03/19	TO15SIMVOL	106-93-4	1,2-Dibromoethane	0.045	J	0.017	0.11	ppbv	J	sp	<PQL			
4402568211	RISG-75-5.0-20191203	12/03/19	TO15VOL	124-48-1	Dibromochloromethane	0.45	J	0.17	0.56	ppbv	J	sp	<PQL			
4402568211	RISG-75-5.0-20191203	12/03/19	TO15VOL	120-82-1	1,2,4-Trichlorobenzene		U	1	2.8	ppbv	UJ	c	ICV %D	35.03	30	%
4402568211	RISG-75-5.0-20191203	12/03/19	TO15VOL	110-82-7	Cyclohexane	0.19	J	0.15	0.56	ppbv	J	sp	<PQL			
4402568211	RISG-75-5.0-20191203	12/03/19	TO15VOL	75-69-4	Trichlorofluoromethane	0.22	J	0.11	0.56	ppbv	J	sp	<PQL			
4402568211	RISG-75-5.0-20191203	12/03/19	TO15VOL	541-73-1	1,3-Dichlorobenzene	0.21	J	0.19	0.56	ppbv	J	sp	<PQL			
4402568211	RISG-75-5.0-20191203	12/03/19	TO15VOL	64-17-5	Ethanol	1.7	J	0.58	2.8	ppbv	J	c,sp	ICAL %RSD; <PQL	39.788	30	%
4402568211	RISG-75-5.0-20191203	12/03/19	TO15VOL	75-09-2	Methylene Chloride	0.27	J	0.16	1.1	ppbv	J	bl,bb,sp	blank contamination below PQL; <PQL	0.013	0.026	ug/m³
4402568211	RISG-75-5.0-20191203	12/03/19	TO15VOL	95-63-6	1,2,4-Trimethylbenzene	0.22	J	0.12	0.56	ppbv	J	sp	<PQL			
4402568211	RISG-75-5.0-20191203	12/03/19	TO15VOL	67-64-1	Acetone	2.3	J	0.94	5.6	ppbv	J	sp	<PQL			
4402568211	RISG-75-15.0-20191203	12/03/19	TO15	64-17-5	Ethanol	7.4	J	3.4	16	ug/m3	J	c,sp	ICAL %RSD; <PQL	39.788	30	%
4402568211	RISG-75-15.0-20191203	12/03/19	TO15	120-82-1	1,2,4-Trichlorobenzene		U	23	64	ug/m3	UJ	c	ICV %D	35.03	30	%
4402568211	RISG-75-15.0-20191203	12/03/19	TO15	95-63-6	1,2,4-Trimethylbenzene	1.9	J	1.8	8.4	ug/m3	J	sp	<PQL			
4402568211	RISG-75-15.0-20191203	12/03/19	TO15SIM	71-43-2	Benzene	1.8	J	1.6	2.7	ug/m3	J	sp	<PQL			
4402568211	RISG-75-15.0-20191203	12/03/19	TO15SIMVOL	71-43-2	Benzene	0.56	J	0.51	0.86	ppbv	J	sp	<PQL			
4402568211	RISG-75-15.0-20191203	12/03/19	TO15VOL	95-63-6	1,2,4-Trimethylbenzene	0.39	J	0.37	1.7	ppbv	J	sp	<PQL			
4402568211	RISG-75-15.0-20191203	12/03/19	TO15VOL	64-17-5	Ethanol	3.9	J	1.8	8.6	ppbv	J	c,sp	ICAL %RSD; <PQL	39.788	30	%
4402568211	RISG-75-15.0-20191203	12/03/19	TO15VOL	120-82-1	1,2,4-Trichlorobenzene		U	3.1	8.6	ppbv	UJ	c	ICV %D	35.03	30	%
4402568211	RISG-77-4.5-20191122	11/22/19	TO15	71-43-2	Benzene	4.3	J	2.9	8.9	ug/m3	J	sp	<PQL			
4402568211	RISG-77-4.5-20191122	11/22/19	TO15	95-63-6	1,2,4-Trimethylbenzene	8.8	J	4.7	14	ug/m3	J	sp	<PQL			
4402568211	RISG-77-4.5-20191122	11/22/19	TO15	56-23-5	Carbon Tetrachloride	12	J	4.9	18	ug/m3	J	sp	<PQL			
4402568211	RISG-77-4.5-20191122	11/22/19	TO15	75-27-4	Bromodichloromethane	11	J	5.6	19	ug/m3	J	sp	<PQL			
4402568211	RISG-77-4.5-20191122	11/22/19	TO15	95-47-6	ortho-xylene	4.7	J	3.9	12	ug/m3	J	sp	<PQL			
4402568211	RISG-77-4.5-20191122	11/22/19	TO15VOL	75-27-4	Bromodichloromethane	1.7	J	0.84	2.8	ppbv	J	sp	<PQL			
4402568211	RISG-77-4.5-20191122	11/22/19	TO15VOL	95-63-6	1,2,4-Trimethylbenzene	1.8	J	0.95	2.8	ppbv	J	sp	<PQL			
4402568211	RISG-77-4.5-20191122	11/22/19	TO15VOL	95-47-6	ortho-xylene	1.1	J	0.9	2.8	ppbv	J	sp	<PQL			
4402568211	RISG-77-4.5-20191122	11/22/19	TO15VOL	56-23-5	Carbon Tetrachloride	1.9	J	0.78	2.8	ppbv	J	sp	<PQL			
4402568211	RISG-77-4.5-20191122	11/22/19	TO15VOL	71-43-2	Benzene	1.4	J	0.9	2.8	ppbv	J	sp	<PQL			
4402568211	RISG-77-15.0-20191122	11/22/19	TO15	56-23-5	Carbon Tetrachloride	22	J	8.8	31	ug/m3	J	sp	<PQL			
4402568211	RISG-77-15.0-20191122	11/22/19	TO15	78-93-3	2-Butanone	17	J	12	59	ug/m3	J	sp	<PQL			
4402568211	RISG-77-15.0-20191122	11/22/19	TO15	67-64-1	Acetone	34	J	17	120	ug/m3	J	sp	<PQL			
4402568211	RISG-77-15.0-20191122	11/22/19	TO15	541-73-1	1,3-Dichlorobenzene	18	J	12	30	ug/m3	J	sp	<PQL			
4402568211	RISG-77-15.0-20191122	11/22/19	TO15	75-15-0	Carbon Disulfide	21	J	9	62	ug/m3	J	sp	<PQL			
4402568211	RISG-77-15.0-20191122	11/22/19	TO15VOL	75-15-0	Carbon Disulfide	6.9	J	2.9	20	ppbv	J	sp	<PQL			
4402568211	RISG-77-15.0-20191122	11/22/19	TO15VOL	541-73-1	1,3-Dichlorobenzene	2.9	J	2	5.0	ppbv	J	sp	<PQL			
4402568211	RISG-77-15.0-20191122	11/22/19	TO15VOL	56-23-5	Carbon Tetrachloride	3.5	J	1.4	5.0	ppbv	J	sp	<PQL			
4402568211	RISG-77-15.0-20191122	11/22/19	TO15VOL	78-93-3	2-Butanone	5.7	J	4.1	20	ppbv	J	sp	<PQL			
4402568211	RISG-77-15.0-20191122	11/22/19	TO15VOL	67-64-1	Acetone	14	J	7.1	50	ppbv	J	sp	<PQL			
4402568211	RISG-78-5.0-20191202	12/02/19	TO15	78-93-3	2-Butanone	1.7	J	0.58	2.9	ug/m3	J	sp	<PQL			
4402568211	RISG-78-5.0-20191202	12/02/19	TO15	120-82-1	1,2,4-Trichlorobenzene		U	2.6	7.2	ug/m3	UJ	c	ICV %D	35.03	30	%
4402568211	RISG-78-5.0-20191202	12/02/19	TO15	75-09-2	Methylene Chloride	0.35	J	0.2	1.3	ug/m3	J	bl,bb,sp	blank contamination below PQL; <PQL	0.013	0.026	ug/m³
4402568211	RISG-78-5.0-20191202	12/02/19	TO15	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.54	J	0.29	1.5	ug/m3	J	sp	<PQL			
4402568211	RISG-78-5.0-20191202	12/02/19	TO15	541-73-1	1,3-Dichlorobenzene	1.0	J	0.4	1.2	ug/m3	J	sp	<PQL			
4402568211	RISG-78-5.0-20191202	12/02/19	TO15	622-96-8	4-Ethyltoluene	0.53	J	0.22	0.95	ug/m3	J	sp	<PQL			
4402568211	RISG-78-5.0-20191202	12/02/19	TO15	64-17-5	Ethanol	3.3		0.38	1.8	ug/m3	J	c	ICAL %RSD	39.788	30	%
4402568211	RISG-78-5.0-20191202	12/02/19	TO15	108-90-7	Chlorobenzene	0.37	J	0.23	0.89	ug/m3	J	sp	<PQL			
4402568211	RISG-78-5.0-20191202	12/02/19	TO15SIM	75-00-3	Chloroethane	0.064	J	0.038	0.26	ug/m3	J	sp	<PQL			
4402568211	RISG-78-5.0-20191202	12/02/19	TO15SIM	91-20-3	Naphthalene	0.20	J	0.086	0.51	ug/m3	J	sp	<PQL			
4402568211	RISG-78-5.0-20191202	12/02/19	TO15SIM	107-06-2	1,2-Dichloroethane	0.040	J	0.029	0.16	ug/m3	J	sp	<PQL			
4402568211	RISG-78-5.0-20191202	12/02/19	TO15SIM	106-93-4	1,2-Dibromoethane	0.093	J	0.047	0.30	ug/m3	J	sp	<PQL			
4402568211	RISG-78-5.0-20191202	12/02/19	TO15SIM	74-87-3	Chloromethane	0.068	J	0.048	2.0	ug/m3	J	sp	<PQL			
4402568211	RISG-78-5.0-20191202	12/02/19	TO15SIM	75-34-3	1,1-Dichloroethane	0.15	J	0.052	0.16	ug/m3	J	sp	<PQL			
4402568211	RISG-78-5.0-20191202	12/02/19	TO15SIMVOL	91-20-3	Naphthalene	0.038	J	0.016	0.097	ppbv	J	sp	<PQL			
4402568211	RISG-78-5.0-20191202	12/02/19	TO15SIMVOL	75-00-3	Chloroethane	0.024	J	0.014	0.097	ppbv	J	sp	<PQL			
4402568211	RISG-78-5.0-20191202	12/02/19	TO15SIMVOL	74-87-3	Chloromethane	0.033	J	0.023	0.97	ppbv	J	sp	<PQL			
4402568211	RISG-78-5.0-20191202	12/02/19	TO15SIMVOL	106-93-4	1,2-Dibromoethane	0.012	J	0.0061	0.039	ppbv	J	sp	<PQL			
4402568211	RISG-78-5.0-20191202	12/02/19	TO15SIMVOL	107-06-2	1,2-Dichloroethane	0.0098	J	0.0071	0.039	ppbv	J	sp	<PQL			
4402568211	RISG-78-5.0-20191202	12/02/19	TO15SIMVOL	75-34-3	1,1-Dichloroethane	0.038	J	0.013	0.039	ppbv	J	sp	<PQL			
4402568211	RISG-78-5.0-20191202	12/02/19	TO15VOL	622-96-8	4-Ethyltoluene	0.11	J	0.045	0.19	ppbv	J	sp	<PQL			
4402568211	RISG-78-5.0-20191202	12/02/19	TO15VOL	120-82-1	1,2,4-Trichlorobenzene		U	0.35	0.97	ppbv	UJ	c	ICV %D	35.03	30	%
4402568211	RISG-78-5.0-20191202	12/02/19	TO15VOL	64-17-5	Ethanol	1.8		0.2	0.97	ppbv	J	c	ICAL %RSD	39.788	30	%

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator	Qualification Finding	Acceptance Criteria	
4402568211	RISG-78-5.0-20191202	12/02/19	TO15VOL	78-93-3	2-Butanone	0.57	J	0.2	0.97	ppbv	J	sp	<PQL			
4402568211	RISG-78-5.0-20191202	12/02/19	TO15VOL	75-09-2	Methylene Chloride	0.10	J	0.056	0.39	ppbv	J	bl,bb,sp	blank contamination below PQL; <PQL	0.013	0.026	ug/m³
4402568211	RISG-78-5.0-20191202	12/02/19	TO15VOL	108-90-7	Chlorobenzene	0.081	J	0.05	0.19	ppbv	J	sp	<PQL			
4402568211	RISG-78-5.0-20191202	12/02/19	TO15VOL	541-73-1	1,3-Dichlorobenzene	0.17	J	0.067	0.19	ppbv	J	sp	<PQL			
4402568211	RISG-78-5.0-20191202	12/02/19	TO15VOL	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.070	J	0.038	0.19	ppbv	J	sp	<PQL			
4402568211	RISG-78-15.0-20191202	12/02/19	TO15	78-93-3	2-Butanone	3.6	J	1.4	6.8	ug/m3	J	sp	<PQL			
4402568211	RISG-78-15.0-20191202	12/02/19	TO15	67-64-1	Acetone	9.9	J	1.8	11	ug/m3	J	sp	<PQL			
4402568211	RISG-78-15.0-20191202	12/02/19	TO15	75-09-2	Methylene Chloride	0.67	J	0.46	3.2	ug/m3	J	bl,bb,sp	blank contamination below PQL; <PQL	0.013	0.026	ug/m³
4402568211	RISG-78-15.0-20191202	12/02/19	TO15	75-27-4	Bromodichloromethane	2.3	J	1.1	3.1	ug/m3	J	sp	<PQL			
4402568211	RISG-78-15.0-20191202	12/02/19	TO15	120-82-1	1,2,4-Trichlorobenzene		U	6.2	17	ug/m3	UJ	c	ICV %D	35.03	30	%
4402568211	RISG-78-15.0-20191202	12/02/19	TO15	64-17-5	Ethanol	4.1	J	0.9	4.3	ug/m3	J	c,sp	ICAL %RSD; <PQL	39.788	30	%
4402568211	RISG-78-15.0-20191202	12/02/19	TO15	75-15-0	Carbon Disulfide	2.0	J	1.2	7.2	ug/m3	J	sp	<PQL			
4402568211	RISG-78-15.0-20191202	12/02/19	TO15	75-69-4	Trichlorofluoromethane	1.3	J	0.53	2.6	ug/m3	J	sp	<PQL			
4402568211	RISG-78-15.0-20191202	12/02/19	TO15	95-63-6	1,2,4-Trimethylbenzene	0.83	J	0.49	2.3	ug/m3	J	sp	<PQL			
4402568211	RISG-78-15.0-20191202	12/02/19	TO15	541-73-1	1,3-Dichlorobenzene	1.6	J	0.95	2.8	ug/m3	J	sp	<PQL			
4402568211	RISG-78-15.0-20191202	12/02/19	TO15SIM	75-00-3	Chloroethane	0.14	J	0.09	0.61	ug/m3	J	sp	<PQL			
4402568211	RISG-78-15.0-20191202	12/02/19	TO15SIM	74-87-3	Chloromethane	0.22	J	0.11	4.7	ug/m3	J	sp	<PQL			
4402568211	RISG-78-15.0-20191202	12/02/19	TO15SIM	91-20-3	Naphthalene	0.22	J	0.2	1.2	ug/m3	J	sp	<PQL			
4402568211	RISG-78-15.0-20191202	12/02/19	TO15SIM	100-41-4	Ethyl Benzene	0.29	J	0.26	0.40	ug/m3	J	sp	<PQL			
4402568211	RISG-78-15.0-20191202	12/02/19	TO15SIMVOL	91-20-3	Naphthalene	0.042	J	0.039	0.23	ppbv	J	sp	<PQL			
4402568211	RISG-78-15.0-20191202	12/02/19	TO15SIMVOL	100-41-4	Ethyl Benzene	0.068	J	0.061	0.092	ppbv	J	sp	<PQL			
4402568211	RISG-78-15.0-20191202	12/02/19	TO15SIMVOL	75-00-3	Chloroethane	0.051	J	0.034	0.23	ppbv	J	sp	<PQL			
4402568211	RISG-78-15.0-20191202	12/02/19	TO15SIMVOL	74-87-3	Chloromethane	0.11	J	0.055	2.3	ppbv	J	sp	<PQL			
4402568211	RISG-78-15.0-20191202	12/02/19	TO15VOL	75-69-4	Trichlorofluoromethane	0.22	J	0.095	0.46	ppbv	J	sp	<PQL			
4402568211	RISG-78-15.0-20191202	12/02/19	TO15VOL	75-09-2	Methylene Chloride	0.19	J	0.13	0.92	ppbv	J	bl,bb,sp	blank contamination below PQL; <PQL	0.013	0.026	ug/m³
4402568211	RISG-78-15.0-20191202	12/02/19	TO15VOL	75-27-4	Bromodichloromethane	0.34	J	0.17	0.46	ppbv	J	sp	<PQL			
4402568211	RISG-78-15.0-20191202	12/02/19	TO15VOL	95-63-6	1,2,4-Trimethylbenzene	0.17	J	0.1	0.46	ppbv	J	sp	<PQL			
4402568211	RISG-78-15.0-20191202	12/02/19	TO15VOL	120-82-1	1,2,4-Trichlorobenzene		U	0.84	2.3	ppbv	UJ	c	ICV %D	35.03	30	%
4402568211	RISG-78-15.0-20191202	12/02/19	TO15VOL	78-93-3	2-Butanone	1.2	J	0.47	2.3	ppbv	J	sp	<PQL			
4402568211	RISG-78-15.0-20191202	12/02/19	TO15VOL	541-73-1	1,3-Dichlorobenzene	0.27	J	0.16	0.46	ppbv	J	sp	<PQL			
4402568211	RISG-78-15.0-20191202	12/02/19	TO15VOL	75-15-0	Carbon Disulfide	0.63	J	0.4	2.3	ppbv	J	sp	<PQL			
4402568211	RISG-78-15.0-20191202	12/02/19	TO15VOL	67-64-1	Acetone	4.2	J	0.77	4.6	ppbv	J	sp	<PQL			
4402568211	RISG-78-15.0-20191202	12/02/19	TO15VOL	64-17-5	Ethanol	2.2	J	0.48	2.3	ppbv	J	c,sp	ICAL %RSD; <PQL	39.788	30	%
4402568211	RISG-86-5.0-20191202	12/02/19	TO15	56-23-5	Carbon Tetrachloride	34	J	15	54	ug/m3	J	sp	<PQL			
4402568211	RISG-86-5.0-20191202	12/02/19	TO15	75-00-3	Chloroethane	35	J	14	91	ug/m3	J	sp	<PQL			
4402568211	RISG-86-5.0-20191202	12/02/19	TO15	75-27-4	Bromodichloromethane	41	J	17	58	ug/m3	J	sp	<PQL			
4402568211	RISG-86-5.0-20191202	12/02/19	TO15	75-09-2	Methylene Chloride	30	J	26	300	ug/m3	J	sp	<PQL			
4402568211	RISG-86-5.0-20191202	12/02/19	TO15VOL	75-27-4	Bromodichloromethane	6.1	J	2.6	8.6	ppbv	J	sp	<PQL			
4402568211	RISG-86-5.0-20191202	12/02/19	TO15VOL	75-09-2	Methylene Chloride	8.8	J	7.6	86	ppbv	J	sp	<PQL			
4402568211	RISG-86-5.0-20191202	12/02/19	TO15VOL	75-00-3	Chloroethane	13	J	5.4	35	ppbv	J	sp	<PQL			
4402568211	RISG-86-5.0-20191202	12/02/19	TO15VOL	56-23-5	Carbon Tetrachloride	5.5	J	2.4	8.6	ppbv	J	sp	<PQL			
4402568211	RISG-86-14.0-20191202	12/02/19	TO15	75-09-2	Methylene Chloride	20	J	11	120	ug/m3	J	sp	<PQL			
4402568211	RISG-86-14.0-20191202	12/02/19	TO15	75-27-4	Bromodichloromethane	16	J	7.2	24	ug/m3	J	sp	<PQL			
4402568211	RISG-86-14.0-20191202	12/02/19	TO15	71-43-2	Benzene	9.7	J	3.6	11	ug/m3	J	sp	<PQL			
4402568211	RISG-86-14.0-20191202	12/02/19	TO15	56-23-5	Carbon Tetrachloride	13	J	6.3	22	ug/m3	J	sp	<PQL			
4402568211	RISG-86-14.0-20191202	12/02/19	TO15	67-64-1	Acetone	20	J	12	85	ug/m3	J	sp	<PQL			
4402568211	RISG-86-14.0-20191202	12/02/19	TO15	75-00-3	Chloroethane	34	J	5.8	38	ug/m3	J	sp	<PQL			
4402568211	RISG-86-14.0-20191202	12/02/19	TO15VOL	71-43-2	Benzene	3.0	J	1.1	3.6	ppbv	J	sp	<PQL			
4402568211	RISG-86-14.0-20191202	12/02/19	TO15VOL	75-00-3	Chloroethane	13	J	2.2	14	ppbv	J	sp	<PQL			
4402568211	RISG-86-14.0-20191202	12/02/19	TO15VOL	75-09-2	Methylene Chloride	5.6	J	3.2	36	ppbv	J	sp	<PQL			
4402568211	RISG-86-14.0-20191202	12/02/19	TO15VOL	75-27-4	Bromodichloromethane	2.4	J	1.1	3.6	ppbv	J	sp	<PQL			
4402568211	RISG-86-14.0-20191202	12/02/19	TO15VOL	56-23-5	Carbon Tetrachloride	2.1	J	1	3.6	ppbv	J	sp	<PQL			
4402568211	RISG-86-14.0-20191202	12/02/19	TO15VOL	67-64-1	Acetone	8.4	J	5.1	36	ppbv	J	sp	<PQL			
4402582221	RISG-52-5.0-20191211	12/11/19	TO15	109-99-9	Tetrahydrofuran	1.1	J	1	2.5	ug/m3	J	sp	<PQL			
4402582221	RISG-52-5.0-20191211	12/11/19	TO15	110-54-3	n-Hexane	0.44	J	0.34	3.0	ug/m3	J	sp	<PQL			
4402582221	RISG-52-5.0-20191211	12/11/19	TO15	64-17-5	Ethanol	5.7		0.33	1.6	ug/m3	J	c	ICAL %RSD	39.788	30	%
4402582221	RISG-52-5.0-20191211	12/11/19	TO15	78-93-3	2-Butanone	2.2	J	0.52	2.5	ug/m3	J	sp	<PQL			
4402582221	RISG-52-5.0-20191211	12/11/19	TO15	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.68	J	0.26	1.3	ug/m3	J	sp	<PQL			
4402582221	RISG-52-5.0-20191211	12/11/19	TO15	100-42-5	Styrene	0.11	J	0.078	0.73	ug/m3	J	sp	<PQL			
4402582221	RISG-52-5.0-20191211	12/11/19	TO15	541-73-1	1,3-Dichlorobenzene	0.66	J	0.35	1.0	ug/m3	J	sp	<PQL			
4402582221	RISG-52-5.0-20191211	12/11/19	TO15	75-09-2	Methylene Chloride	0.40	J	0.17	1.2	ug/m3	J	bl,bb,sp	blank contamination below PQL; <PQL	0.013	0.026	ug/m³
4402582221	RISG-52-5.0-20191211	12/11/19	TO15	110-82-7	Cyclohexane	0.42	J	0.16	0.59	ug/m3	J	sp	<PQL			
4402582221	RISG-52-5.0-20191211	12/11/19	TO15	95-63-6	1,2,4-Trimethylbenzene	0.34	J	0.18	0.84	ug/m3	J	sp	<PQL			
4402582221	RISG-52-5.0-20191211	12/11/19	TO15	120-82-1	1,2,4-Trichlorobenzene		U	2.3	6.3	ug/m3	UJ	c	ICV %D	35.03	30	%
4402582221	RISG-52-5.0-20191211	12/11/19	TO15SIM	106-93-4	1,2-Dibromoethane	0.098	J	0.041	0.26	ug/m3	J	bl,bb,sp	blank contamination below PQL; <PQL	0.027	0.054	ug/m³
4402582221	RISG-52-5.0-20191211	12/11/19	TO15SIM	74-87-3	Chloromethane	0.11	J	0.042	1.8	ug/m3	J	sp	<PQL			

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator	Qualification Finding	Acceptance Criteria	
4402582221	RISG-52-5.0-20191211	12/11/19	TO15SIM	79-01-6	Trichloroethene	0.17	J	0.12	0.18	ug/m3	J	sp	<PQL			
4402582221	RISG-52-5.0-20191211	12/11/19	TO15SIM	91-20-3	Naphthalene	0.096	J	0.076	0.45	ug/m3	J	bl,bb,sp	blank contamination below PQL; <PQL	0.066	0.132	ug/m³
4402582221	RISG-52-5.0-20191211	12/11/19	TO15SIM	75-00-3	Chloroethane	0.069	J	0.033	0.22	ug/m3	J	sp	<PQL			
4402582221	RISG-52-5.0-20191211	12/11/19	TO15SIMVOL	91-20-3	Naphthalene	0.018	J	0.014	0.086	ppbv	J	bl,bb,sp	blank contamination below PQL; <PQL	0.066	0.132	ug/m³
4402582221	RISG-52-5.0-20191211	12/11/19	TO15SIMVOL	106-93-4	1,2-Dibromoethane	0.013	J	0.0054	0.034	ppbv	J	bl,bb,sp	blank contamination below PQL; <PQL	0.027	0.054	ug/m³
4402582221	RISG-52-5.0-20191211	12/11/19	TO15SIMVOL	75-00-3	Chloroethane	0.026	J	0.013	0.086	ppbv	J	sp	<PQL			
4402582221	RISG-52-5.0-20191211	12/11/19	TO15SIMVOL	79-01-6	Trichloroethene	0.032	J	0.023	0.034	ppbv	J	sp	<PQL			
4402582221	RISG-52-5.0-20191211	12/11/19	TO15SIMVOL	74-87-3	Chloromethane	0.053	J	0.02	0.86	ppbv	J	sp	<PQL			
4402582221	RISG-52-5.0-20191211	12/11/19	TO15VOL	120-82-1	1,2,4-Trichlorobenzene		U	0.31	0.86	ppbv	UJ	c	ICV %D	35.03	30	%
4402582221	RISG-52-5.0-20191211	12/11/19	TO15VOL	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.089	J	0.034	0.17	ppbv	J	sp	<PQL			
4402582221	RISG-52-5.0-20191211	12/11/19	TO15VOL	75-09-2	Methylene Chloride	0.12	J	0.05	0.34	ppbv	J	bl,bb,sp	blank contamination below PQL; <PQL	0.013	0.026	ug/m³
4402582221	RISG-52-5.0-20191211	12/11/19	TO15VOL	110-54-3	n-Hexane	0.12	J	0.096	0.86	ppbv	J	sp	<PQL			
4402582221	RISG-52-5.0-20191211	12/11/19	TO15VOL	64-17-5	Ethanol	3.0		0.18	0.86	ppbv	J	c	ICAL %RSD	39.788	30	%
4402582221	RISG-52-5.0-20191211	12/11/19	TO15VOL	541-73-1	1,3-Dichlorobenzene	0.11	J	0.059	0.17	ppbv	J	sp	<PQL			
4402582221	RISG-52-5.0-20191211	12/11/19	TO15VOL	78-93-3	2-Butanone	0.76	J	0.17	0.86	ppbv	J	sp	<PQL			
4402582221	RISG-52-5.0-20191211	12/11/19	TO15VOL	110-82-7	Cyclohexane	0.12	J	0.046	0.17	ppbv	J	sp	<PQL			
4402582221	RISG-52-5.0-20191211	12/11/19	TO15VOL	95-63-6	1,2,4-Trimethylbenzene	0.069	J	0.037	0.17	ppbv	J	sp	<PQL			
4402582221	RISG-52-5.0-20191211	12/11/19	TO15VOL	109-99-9	Tetrahydrofuran	0.38	J	0.34	0.86	ppbv	J	sp	<PQL			
4402582221	RISG-52-5.0-20191211	12/11/19	TO15VOL	100-42-5	Styrene	0.027	J	0.018	0.17	ppbv	J	sp	<PQL			
4402582221	RISG-52-15.0-20191211	12/11/19	TO15	120-82-1	1,2,4-Trichlorobenzene		U	21	58	ug/m3	UJ	c	ICV %D	35.03	30	%
4402582221	RISG-52-15.0-20191211	12/11/19	TO15	64-17-5	Ethanol	14	J	3	15	ug/m3	J	c,sp	ICAL %RSD; <PQL	39.788	30	%
4402582221	RISG-52-15.0-20191211	12/11/19	TO15SIM	108-88-3	Toluene	2.4	J	0.89	2.9	ug/m3	J	sp	<PQL			
4402582221	RISG-52-15.0-20191211	12/11/19	TO15SIM	95-47-6	ortho-xylene	0.37	J	0.3	1.4	ug/m3	J	sp	<PQL			
4402582221	RISG-52-15.0-20191211	12/11/19	TO15SIMVOL	95-47-6	ortho-xylene	0.085	J	0.07	0.31	ppbv	J	sp	<PQL			
4402582221	RISG-52-15.0-20191211	12/11/19	TO15SIMVOL	108-88-3	Toluene	0.63	J	0.24	0.78	ppbv	J	sp	<PQL			
4402582221	RISG-52-15.0-20191211	12/11/19	TO15VOL	64-17-5	Ethanol	7.6	J	1.6	7.8	ppbv	J	c,sp	ICAL %RSD; <PQL	39.788	30	%
4402582221	RISG-52-15.0-20191211	12/11/19	TO15VOL	120-82-1	1,2,4-Trichlorobenzene		U	2.8	7.8	ppbv	UJ	c	ICV %D	35.03	30	%
4402582221	RISG-53-5.0-20191211	12/11/19	TO15	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.54	J	0.24	1.2	ug/m3	J	sp	<PQL			
4402582221	RISG-53-5.0-20191211	12/11/19	TO15	95-63-6	1,2,4-Trimethylbenzene	0.35	J	0.17	0.79	ug/m3	J	sp	<PQL			
4402582221	RISG-53-5.0-20191211	12/11/19	TO15	64-17-5	Ethanol	7.6		0.31	1.5	ug/m3	J	c	ICAL %RSD	39.788	30	%
4402582221	RISG-53-5.0-20191211	12/11/19	TO15	120-82-1	1,2,4-Trichlorobenzene		U	2.2	6.0	ug/m3	UJ	c	ICV %D	35.03	30	%
4402582221	RISG-53-5.0-20191211	12/11/19	TO15	75-09-2	Methylene Chloride	0.51	J	0.16	1.1	ug/m3	J	sp	<PQL			
4402582221	RISG-53-5.0-20191211	12/11/19	TO15	100-42-5	Styrene	0.13	J	0.074	0.68	ug/m3	J	sp	<PQL			
4402582221	RISG-53-5.0-20191211	12/11/19	TO15SIM	74-87-3	Chloromethane	0.047	J	0.04	1.7	ug/m3	J	sp	<PQL			
4402582221	RISG-53-5.0-20191211	12/11/19	TO15SIM	91-20-3	Naphthalene	0.094	J	0.072	0.42	ug/m3	J	bl,bb,sp	blank contamination below PQL; <PQL	0.066	0.132	ug/m³
4402582221	RISG-53-5.0-20191211	12/11/19	TO15SIM	71-43-2	Benzene	0.23	J	0.15	0.26	ug/m3	J	sp	<PQL			
4402582221	RISG-53-5.0-20191211	12/11/19	TO15SIMVOL	74-87-3	Chloromethane	0.023	J	0.019	0.80	ppbv	J	sp	<PQL			
4402582221	RISG-53-5.0-20191211	12/11/19	TO15SIMVOL	91-20-3	Naphthalene	0.018	J	0.014	0.080	ppbv	J	bl,bb,sp	blank contamination below PQL; <PQL	0.066	0.132	ug/m³
4402582221	RISG-53-5.0-20191211	12/11/19	TO15SIMVOL	71-43-2	Benzene	0.071	J	0.047	0.080	ppbv	J	sp	<PQL			
4402582221	RISG-53-5.0-20191211	12/11/19	TO15VOL	100-42-5	Styrene	0.030	J	0.017	0.16	ppbv	J	sp	<PQL			
4402582221	RISG-53-5.0-20191211	12/11/19	TO15VOL	120-82-1	1,2,4-Trichlorobenzene		U	0.29	0.80	ppbv	UJ	c	ICV %D	35.03	30	%
4402582221	RISG-53-5.0-20191211	12/11/19	TO15VOL	64-17-5	Ethanol	4.0		0.17	0.80	ppbv	J	c	ICAL %RSD	39.788	30	%
4402582221	RISG-53-5.0-20191211	12/11/19	TO15VOL	75-09-2	Methylene Chloride	0.15	J	0.047	0.32	ppbv	J	sp	<PQL			
4402582221	RISG-53-5.0-20191211	12/11/19	TO15VOL	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.070	J	0.032	0.16	ppbv	J	sp	<PQL			
4402582221	RISG-53-5.0-20191211	12/11/19	TO15VOL	95-63-6	1,2,4-Trimethylbenzene	0.072	J	0.035	0.16	ppbv	J	sp	<PQL			
4402582221	RISG-53-15.0-20191211	12/11/19	TO15	64-17-5	Ethanol	6.9		0.82	4.0	ug/m3	J	c	ICAL %RSD	39.788	30	%
4402582221	RISG-53-15.0-20191211	12/11/19	TO15	120-82-1	1,2,4-Trichlorobenzene		U	5.7	16	ug/m3	UJ	c	ICV %D	35.03	30	%
4402582221	RISG-53-15.0-20191211	12/11/19	TO15	541-73-1	1,3-Dichlorobenzene	0.92	J	0.87	2.5	ug/m3	J	sp	<PQL			
4402582221	RISG-53-15.0-20191211	12/11/19	TO15	75-69-4	Trichlorofluoromethane	1.4	J	0.49	2.4	ug/m3	J	sp	<PQL			
4402582221	RISG-53-15.0-20191211	12/11/19	TO15SIM	95-47-6	ortho-xylene	0.27	J	0.082	0.36	ug/m3	J	sp	<PQL			
4402582221	RISG-53-15.0-20191211	12/11/19	TO15SIM	74-87-3	Chloromethane	0.20	J	0.1	4.3	ug/m3	J	sp	<PQL			
4402582221	RISG-53-15.0-20191211	12/11/19	TO15SIM	71-43-2	Benzene	0.58	J	0.39	0.67	ug/m3	J	sp	<PQL			
4402582221	RISG-53-15.0-20191211	12/11/19	TO15SIMVOL	71-43-2	Benzene	0.18	J	0.12	0.21	ppbv	J	sp	<PQL			
4402582221	RISG-53-15.0-20191211	12/11/19	TO15SIMVOL	74-87-3	Chloromethane	0.096	J	0.05	2.1	ppbv	J	sp	<PQL			
4402582221	RISG-53-15.0-20191211	12/11/19	TO15SIMVOL	95-47-6	ortho-xylene	0.061	J	0.019	0.084	ppbv	J	sp	<PQL			
4402582221	RISG-53-15.0-20191211	12/11/19	TO15VOL	541-73-1	1,3-Dichlorobenzene	0.15	J	0.14	0.42	ppbv	J	sp	<PQL			
4402582221	RISG-53-15.0-20191211	12/11/19	TO15VOL	64-17-5	Ethanol	3.6		0.43	2.1	ppbv	J	c	ICAL %RSD	39.788	30	%
4402582221	RISG-53-15.0-20191211	12/11/19	TO15VOL	120-82-1	1,2,4-Trichlorobenzene		U	0.76	2.1	ppbv	UJ	c	ICV %D	35.03	30	%
4402582221	RISG-53-15.0-20191211	12/11/19	TO15VOL	75-69-4	Trichlorofluoromethane	0.25	J	0.087	0.42	ppbv	J	sp	<PQL			
4402582221	RISG-54-5.0-20191210	12/10/19	TO15	64-17-5	Ethanol	4.6	J	3.6	18	ug/m3	J	c,sp	ICAL %RSD; <PQL	39.788	30	%
4402582221	RISG-54-5.0-20191210	12/10/19	TO15	110-82-7	Cyclohexane	2.7	J	1.7	6.4	ug/m3	J	sp	<PQL			
4402582221	RISG-54-5.0-20191210	12/10/19	TO15	120-82-1	1,2,4-Trichlorobenzene		U	25	69	ug/m3	UJ	c	ICV %D	35.03	30	%
4402582221	RISG-54-5.0-20191210	12/10/19	TO15	110-54-3	n-Hexane	8.0	J	3.7	33	ug/m3	J	sp	<PQL			
4402582221	RISG-54-5.0-20191210	12/10/19	TO15	75-15-0	Carbon Disulfide	12	J	5	29	ug/m3	J	sp	<PQL			
4402582221	RISG-54-5.0-20191210	12/10/19	TO15	67-64-1	Acetone	12	J	7.5	44	ug/m3	J	sp	<PQL			
4402582221	RISG-54-5.0-20191210	12/10/19	TO15SIM	95-47-6	ortho-xylene	0.40	J	0.36	1.6	ug/m3	J	sp	<PQL			

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator	Qualification Finding	Acceptance Criteria	
4402582221	RISG-54-5.0-20191210	12/10/19	TO15SIM	75-00-3	Chloroethane	0.48	J	0.36	2.5	ug/m3	J	sp	<PQL			
4402582221	RISG-54-5.0-20191210	12/10/19	TO15SIMVOL	95-47-6	ortho-xylene	0.092	J	0.084	0.37	ppbv	J	sp	<PQL			
4402582221	RISG-54-5.0-20191210	12/10/19	TO15SIMVOL	75-00-3	Chloroethane	0.18	J	0.14	0.94	ppbv	J	sp	<PQL			
4402582221	RISG-54-5.0-20191210	12/10/19	TO15VOL	110-82-7	Cyclohexane	0.77	J	0.5	1.9	ppbv	J	sp	<PQL			
4402582221	RISG-54-5.0-20191210	12/10/19	TO15VOL	120-82-1	1,2,4-Trichlorobenzene		U	3.4	9.4	ppbv	UJ	c	ICV %D	35.03	30	%
4402582221	RISG-54-5.0-20191210	12/10/19	TO15VOL	75-15-0	Carbon Disulfide	3.8	J	1.6	9.4	ppbv	J	sp	<PQL			
4402582221	RISG-54-5.0-20191210	12/10/19	TO15VOL	110-54-3	n-Hexane	2.3	J	1	9.4	ppbv	J	sp	<PQL			
4402582221	RISG-54-5.0-20191210	12/10/19	TO15VOL	67-64-1	Acetone	5.0	J	3.1	19	ppbv	J	sp	<PQL			
4402582221	RISG-54-5.0-20191210	12/10/19	TO15VOL	64-17-5	Ethanol	2.4	J	1.9	9.4	ppbv	J	c,sp	ICAL %RSD; <PQL	39.788	30	%
4402582221	RISG-54-15.0-20191210	12/10/19	TO15	110-54-3	n-Hexane	9.7	J	5.6	15	ug/m3	J	sp	<PQL			
4402582221	RISG-54-15.0-20191210	12/10/19	TO15	67-64-1	Acetone	20	J	14	99	ug/m3	J	sp	<PQL			
4402582221	RISG-54-15.0-20191210	12/10/19	TO15VOL	110-54-3	n-Hexane	2.7	J	1.6	4.2	ppbv	J	sp	<PQL			
4402582221	RISG-54-15.0-20191210	12/10/19	TO15VOL	67-64-1	Acetone	8.6	J	5.9	42	ppbv	J	sp	<PQL			
4402582221	RISG-55-5.0-20191210	12/10/19	TO15	120-82-1	1,2,4-Trichlorobenzene		U	21	59	ug/m3	UJ	c	ICV %D	35.03	30	%
4402582221	RISG-55-5.0-20191210	12/10/19	TO15	64-17-5	Ethanol		U	3.1	15	ug/m3	UJ	c	ICAL %RSD	39.788	30	%
4402582221	RISG-55-5.0-20191210	12/10/19	TO15	75-15-0	Carbon Disulfide	14	J	4.3	25	ug/m3	J	sp	<PQL			
4402582221	RISG-55-5.0-20191210	12/10/19	TO15SIM	95-47-6	ortho-xylene	0.35	J	0.31	1.4	ug/m3	J	sp	<PQL			
4402582221	RISG-55-5.0-20191210	12/10/19	TO15SIM	75-34-3	1,1-Dichloroethane	0.52	J	0.43	1.3	ug/m3	J	sp	<PQL			
4402582221	RISG-55-5.0-20191210	12/10/19	TO15SIM	75-00-3	Chloroethane	1.3	J	0.31	2.1	ug/m3	J	sp	<PQL			
4402582221	RISG-55-5.0-20191210	12/10/19	TO15SIMVOL	75-00-3	Chloroethane	0.50	J	0.12	0.80	ppbv	J	sp	<PQL			
4402582221	RISG-55-5.0-20191210	12/10/19	TO15SIMVOL	75-34-3	1,1-Dichloroethane	0.13	J	0.1	0.32	ppbv	J	sp	<PQL			
4402582221	RISG-55-5.0-20191210	12/10/19	TO15SIMVOL	95-47-6	ortho-xylene	0.080	J	0.071	0.32	ppbv	J	sp	<PQL			
4402582221	RISG-55-5.0-20191210	12/10/19	TO15VOL	120-82-1	1,2,4-Trichlorobenzene		U	2.9	8.0	ppbv	UJ	c	ICV %D	35.03	30	%
4402582221	RISG-55-5.0-20191210	12/10/19	TO15VOL	64-17-5	Ethanol		U	1.6	8.0	ppbv	UJ	c	ICAL %RSD	39.788	30	%
4402582221	RISG-55-5.0-20191210	12/10/19	TO15VOL	75-15-0	Carbon Disulfide	4.6	J	1.4	8.0	ppbv	J	sp	<PQL			
4402582221	RISG-55-15.0-20191210	12/10/19	TO15	67-64-1	Acetone	16	J	9.5	67	ug/m3	J	sp	<PQL			
4402582221	RISG-55-15.0-20191210	12/10/19	TO15	78-93-3	2-Butanone	13	J	6.8	33	ug/m3	J	sp	<PQL			
4402582221	RISG-55-15.0-20191210	12/10/19	TO15	79-01-6	Trichloroethene	12	J	5.5	15	ug/m3	J	sp	<PQL			
4402582221	RISG-55-15.0-20191210	12/10/19	TO15	108-88-3	Toluene	4.8	J	3.4	11	ug/m3	J	sp	<PQL			
4402582221	RISG-55-15.0-20191210	12/10/19	TO15VOL	79-01-6	Trichloroethene	2.2	J	1	2.8	ppbv	J	sp	<PQL			
4402582221	RISG-55-15.0-20191210	12/10/19	TO15VOL	108-88-3	Toluene	1.3	J	0.9	2.8	ppbv	J	sp	<PQL			
4402582221	RISG-55-15.0-20191210	12/10/19	TO15VOL	78-93-3	2-Butanone	4.5	J	2.3	11	ppbv	J	sp	<PQL			
4402582221	RISG-55-15.0-20191210	12/10/19	TO15VOL	67-64-1	Acetone	6.7	J	4	28	ppbv	J	sp	<PQL			
4402582221	RISG-56-5.0-20191210	12/10/19	TO15	75-69-4	Trichlorofluoromethane	15	J	6	19	ug/m3	J	sp	<PQL			
4402582221	RISG-56-5.0-20191210	12/10/19	TO15	67-64-1	Acetone	18	J	11	80	ug/m3	J	sp	<PQL			
4402582221	RISG-56-5.0-20191210	12/10/19	TO15	78-93-3	2-Butanone	14	J	8.1	40	ug/m3	J	sp	<PQL			
4402582221	RISG-56-5.0-20191210	12/10/19	TO15	64-17-5	Ethanol	23	J	17	25	ug/m3	J	sp	<PQL			
4402582221	RISG-56-5.0-20191210	12/10/19	TO15VOL	75-69-4	Trichlorofluoromethane	2.7	J	1.1	3.4	ppbv	J	sp	<PQL			
4402582221	RISG-56-5.0-20191210	12/10/19	TO15VOL	64-17-5	Ethanol	12	J	9.1	13	ppbv	J	sp	<PQL			
4402582221	RISG-56-5.0-20191210	12/10/19	TO15VOL	67-64-1	Acetone	7.6	J	4.8	34	ppbv	J	sp	<PQL			
4402582221	RISG-56-5.0-20191210	12/10/19	TO15VOL	78-93-3	2-Butanone	4.8	J	2.8	13	ppbv	J	sp	<PQL			
4402582221	RISG-56-15.0-20191211	12/11/19	TO15	78-93-3	2-Butanone	5.7	J	4.3	21	ug/m3	J	sp	<PQL			
4402582221	RISG-56-15.0-20191211	12/11/19	TO15	136777-61-2	m,p-xylene	2.4	J	2	7.8	ug/m3	J	sp	<PQL			
4402582221	RISG-56-15.0-20191211	12/11/19	TO15	541-73-1	1,3-Dichlorobenzene	7.9	J	4.3	11	ug/m3	J	sp	<PQL			
4402582221	RISG-56-15.0-20191211	12/11/19	TO15	75-15-0	Carbon Disulfide	7.3	J	3.2	22	ug/m3	J	sp	<PQL			
4402582221	RISG-56-15.0-20191211	12/11/19	TO15	108-88-3	Toluene	3.7	J	2.2	6.7	ug/m3	J	sp	<PQL			
4402582221	RISG-56-15.0-20191211	12/11/19	TO15	75-34-3	1,1-Dichloroethane	3.2	J	2.7	7.2	ug/m3	J	sp	<PQL			
4402582221	RISG-56-15.0-20191211	12/11/19	TO15	71-43-2	Benzene	2.3	J	1.8	5.7	ug/m3	J	sp	<PQL			
4402582221	RISG-56-15.0-20191211	12/11/19	TO15VOL	75-15-0	Carbon Disulfide	2.3	J	1	7.1	ppbv	J	sp	<PQL			
4402582221	RISG-56-15.0-20191211	12/11/19	TO15VOL	541-73-1	1,3-Dichlorobenzene	1.3	J	0.71	1.8	ppbv	J	sp	<PQL			
4402582221	RISG-56-15.0-20191211	12/11/19	TO15VOL	78-93-3	2-Butanone	1.9	J	1.5	7.1	ppbv	J	sp	<PQL			
4402582221	RISG-56-15.0-20191211	12/11/19	TO15VOL	75-34-3	1,1-Dichloroethane	0.80	J	0.68	1.8	ppbv	J	sp	<PQL			
4402582221	RISG-56-15.0-20191211	12/11/19	TO15VOL	71-43-2	Benzene	0.72	J	0.57	1.8	ppbv	J	sp	<PQL			
4402582221	RISG-56-15.0-20191211	12/11/19	TO15VOL	136777-61-2	m,p-xylene	0.56	J	0.46	1.8	ppbv	J	sp	<PQL			
4402582221	RISG-56-15.0-20191211	12/11/19	TO15VOL	108-88-3	Toluene	0.98	J	0.57	1.8	ppbv	J	sp	<PQL			
4402582221	RISG-57-5.0-20191212	12/12/19	TO15	64-17-5	Ethanol	7.4	J	3.6	17	ug/m3	J	c,sp	ICAL %RSD; <PQL	39.788	30	%
4402582221	RISG-57-5.0-20191212	12/12/19	TO15	75-27-4	Bromodichloromethane	8.8	J	4.4	12	ug/m3	J	sp	<PQL			
4402582221	RISG-57-5.0-20191212	12/12/19	TO15	67-64-1	Acetone	8.8	J	7.3	43	ug/m3	J	sp	<PQL			
4402582221	RISG-57-5.0-20191212	12/12/19	TO15	75-15-0	Carbon Disulfide	21	J	4.9	28	ug/m3	J	sp	<PQL			
4402582221	RISG-57-5.0-20191212	12/12/19	TO15	120-82-1	1,2,4-Trichlorobenzene		U	25	68	ug/m3	UJ	c	ICV %D	35.03	30	%
4402582221	RISG-57-5.0-20191212	12/12/19	TO15	75-69-4	Trichlorofluoromethane	5.6	J	2.1	10	ug/m3	J	sp	<PQL			
4402582221	RISG-57-5.0-20191212	12/12/19	TO15SIM	75-34-3	1,1-Dichloroethane	0.97	J	0.49	1.5	ug/m3	J	sp	<PQL			
4402582221	RISG-57-5.0-20191212	12/12/19	TO15SIM	136777-61-2	m,p-xylene	2.5	J	1.9	3.2	ug/m3	J	sp	<PQL			
4402582221	RISG-57-5.0-20191212	12/12/19	TO15SIM	95-47-6	ortho-xylene	0.92	J	0.36	1.6	ug/m3	J	sp	<PQL			
4402582221	RISG-57-5.0-20191212	12/12/19	TO15SIMVOL	95-47-6	ortho-xylene	0.21	J	0.082	0.37	ppbv	J	sp	<PQL			
4402582221	RISG-57-5.0-20191212	12/12/19	TO15SIMVOL	136777-61-2	m,p-xylene	0.58	J	0.43	0.73	ppbv	J	sp	<PQL			

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator	Qualification Finding	Acceptance Criteria	
4402582221	RISG-57-5.0-20191212	12/12/19	TO15SIMVOL	75-34-3	1,1-Dichloroethane	0.24	J	0.12	0.37	ppbv	J	sp	<PQL			
4402582221	RISG-57-5.0-20191212	12/12/19	TO15VOL	67-64-1	Acetone	3.7	J	3.1	18	ppbv	J	sp	<PQL			
4402582221	RISG-57-5.0-20191212	12/12/19	TO15VOL	64-17-5	Ethanol	3.9	J	1.9	9.2	ppbv	J	c,sp	ICAL %RSD; <PQL	39.788	30	%
4402582221	RISG-57-5.0-20191212	12/12/19	TO15VOL	75-27-4	Bromodichloromethane	1.3	J	0.66	1.8	ppbv	J	sp	<PQL			
4402582221	RISG-57-5.0-20191212	12/12/19	TO15VOL	120-82-1	1,2,4-Trichlorobenzene		U	3.3	9.2	ppbv	UJ	c	ICV %D	35.03	30	%
4402582221	RISG-57-5.0-20191212	12/12/19	TO15VOL	75-69-4	Trichlorofluoromethane	1.0	J	0.38	1.8	ppbv	J	sp	<PQL			
4402582221	RISG-57-5.0-20191212	12/12/19	TO15VOL	75-15-0	Carbon Disulfide	6.8	J	1.6	9.2	ppbv	J	sp	<PQL			
4402582221	RISG-57-15.0-20191212	12/12/19	TO15	75-35-4	1,1-Dichloroethene	9.1	J	4.2	9.5	ug/m3	J	sp	<PQL			
4402582221	RISG-57-15.0-20191212	12/12/19	TO15	136777-61-2	m,p-xylene	2.8	J	2.7	10	ug/m3	J	sp	<PQL			
4402582221	RISG-57-15.0-20191212	12/12/19	TO15	78-93-3	2-Butanone	24	J	5.8	28	ug/m3	J	sp	<PQL			
4402582221	RISG-57-15.0-20191212	12/12/19	TO15	67-64-1	Acetone	41	J	8.1	57	ug/m3	J	sp	<PQL			
4402582221	RISG-57-15.0-20191212	12/12/19	TO15	75-71-8	Dichlorodifluoromethane	4.7	J	4.5	12	ug/m3	J	sp	<PQL			
4402582221	RISG-57-15.0-20191212	12/12/19	TO15	79-01-6	Trichloroethene	7.3	J	4.6	13	ug/m3	J	sp	<PQL			
4402582221	RISG-57-15.0-20191212	12/12/19	TO15	75-69-4	Trichlorofluoromethane	5.5	J	4.3	13	ug/m3	J	sp	<PQL			
4402582221	RISG-57-15.0-20191212	12/12/19	TO15VOL	78-93-3	2-Butanone	8.2	J	2	9.6	ppbv	J	sp	<PQL			
4402582221	RISG-57-15.0-20191212	12/12/19	TO15VOL	67-64-1	Acetone	17	J	3.4	24	ppbv	J	sp	<PQL			
4402582221	RISG-57-15.0-20191212	12/12/19	TO15VOL	75-71-8	Dichlorodifluoromethane	0.94	J	0.91	2.4	ppbv	J	sp	<PQL			
4402582221	RISG-57-15.0-20191212	12/12/19	TO15VOL	136777-61-2	m,p-xylene	0.66	J	0.62	2.4	ppbv	J	sp	<PQL			
4402582221	RISG-57-15.0-20191212	12/12/19	TO15VOL	75-35-4	1,1-Dichloroethene	2.3	J	1	2.4	ppbv	J	sp	<PQL			
4402582221	RISG-57-15.0-20191212	12/12/19	TO15VOL	75-69-4	Trichlorofluoromethane	0.97	J	0.77	2.4	ppbv	J	sp	<PQL			
4402582221	RISG-57-15.0-20191212	12/12/19	TO15VOL	79-01-6	Trichloroethene	1.4	J	0.86	2.4	ppbv	J	sp	<PQL			
4402582221	RISG-58-5.0-20191212	12/12/19	TO15	64-17-5	Ethanol	7.9	J	3.2	16	ug/m3	J	c,sp	ICAL %RSD; <PQL	39.788	30	%
4402582221	RISG-58-5.0-20191212	12/12/19	TO15	120-82-1	1,2,4-Trichlorobenzene		U	22	61	ug/m3	UJ	c	ICV %D	35.03	30	%
4402582221	RISG-58-5.0-20191212	12/12/19	TO15	95-63-6	1,2,4-Trimethylbenzene	2.9	J	1.8	8.1	ug/m3	J	sp	<PQL			
4402582221	RISG-58-5.0-20191212	12/12/19	TO15	541-73-1	1,3-Dichlorobenzene	5.0	J	3.4	9.9	ug/m3	J	sp	<PQL			
4402582221	RISG-58-5.0-20191212	12/12/19	TO15	75-69-4	Trichlorofluoromethane	2.6	J	1.9	9.3	ug/m3	J	sp	<PQL			
4402582221	RISG-58-5.0-20191212	12/12/19	TO15	75-15-0	Carbon Disulfide	12	J	4.4	26	ug/m3	J	sp	<PQL			
4402582221	RISG-58-5.0-20191212	12/12/19	TO15SIM	95-47-6	ortho-xylene	1.0	J	0.32	1.4	ug/m3	J	sp	<PQL			
4402582221	RISG-58-5.0-20191212	12/12/19	TO15SIM	136777-61-2	m,p-xylene	2.5	J	1.7	2.9	ug/m3	J	sp	<PQL			
4402582221	RISG-58-5.0-20191212	12/12/19	TO15SIM	75-34-3	1,1-Dichloroethane	0.70	J	0.44	1.3	ug/m3	J	sp	<PQL			
4402582221	RISG-58-5.0-20191212	12/12/19	TO15SIMVOL	136777-61-2	m,p-xylene	0.58	J	0.39	0.66	ppbv	J	sp	<PQL			
4402582221	RISG-58-5.0-20191212	12/12/19	TO15SIMVOL	95-47-6	ortho-xylene	0.24	J	0.074	0.33	ppbv	J	sp	<PQL			
4402582221	RISG-58-5.0-20191212	12/12/19	TO15SIMVOL	75-34-3	1,1-Dichloroethane	0.17	J	0.11	0.33	ppbv	J	sp	<PQL			
4402582221	RISG-58-5.0-20191212	12/12/19	TO15VOL	95-63-6	1,2,4-Trimethylbenzene	0.60	J	0.36	1.6	ppbv	J	sp	<PQL			
4402582221	RISG-58-5.0-20191212	12/12/19	TO15VOL	75-15-0	Carbon Disulfide	3.9	J	1.4	8.2	ppbv	J	sp	<PQL			
4402582221	RISG-58-5.0-20191212	12/12/19	TO15VOL	75-69-4	Trichlorofluoromethane	0.46	J	0.34	1.6	ppbv	J	sp	<PQL			
4402582221	RISG-58-5.0-20191212	12/12/19	TO15VOL	64-17-5	Ethanol	4.2	J	1.7	8.2	ppbv	J	c,sp	ICAL %RSD; <PQL	39.788	30	%
4402582221	RISG-58-5.0-20191212	12/12/19	TO15VOL	120-82-1	1,2,4-Trichlorobenzene		U	3	8.2	ppbv	UJ	c	ICV %D	35.03	30	%
4402582221	RISG-58-5.0-20191212	12/12/19	TO15VOL	541-73-1	1,3-Dichlorobenzene	0.83	J	0.57	1.6	ppbv	J	sp	<PQL			
4402582221	RISG-58-15.0-20191212	12/12/19	TO15	79-01-6	Trichloroethene	6.6	J	0.98	12	ug/m3	J	sp	<PQL			
4402582221	RISG-58-15.0-20191212	12/12/19	TO15	75-34-3	1,1-Dichloroethane	0.99	J	0.34	8.8	ug/m3	J	sp	<PQL			
4402582221	RISG-58-15.0-20191212	12/12/19	TO15	124-48-1	Dibromochloromethane	1.8	J	1.8	19	ug/m3	J	sp	<PQL			
4402582221	RISG-58-15.0-20191212	12/12/19	TO15	64-17-5	Ethanol	9.7	J	0.92	16	ug/m3	J	sp	<PQL			
4402582221	RISG-58-15.0-20191212	12/12/19	TO15	78-87-5	1,2-Dichloropropane	1.6	J	0.78	10	ug/m3	J	sp	<PQL			
4402582221	RISG-58-15.0-20191212	12/12/19	TO15	75-69-4	Trichlorofluoromethane	1.7	J	1.4	12	ug/m3	J	sp	<PQL			
4402582221	RISG-58-15.0-20191212	12/12/19	TO15	541-73-1	1,3-Dichlorobenzene	2.8	J	0.99	13	ug/m3	J	sp	<PQL			
4402582221	RISG-58-15.0-20191212	12/12/19	TO15	75-15-0	Carbon Disulfide	21	J	3.2	27	ug/m3	J	sp	<PQL			
4402582221	RISG-58-15.0-20191212	12/12/19	TO15	75-35-4	1,1-Dichloroethene	4.0	J	2.2	8.7	ug/m3	J	sp	<PQL			
4402582221	RISG-58-15.0-20191212	12/12/19	TO15	78-93-3	2-Butanone	13	J	2.2	26	ug/m3	J	sp	<PQL			
4402582221	RISG-58-15.0-20191212	12/12/19	TO15	67-64-1	Acetone	23	J	3.4	52	ug/m3	J	sp	<PQL			
4402582221	RISG-58-15.0-20191212	12/12/19	TO15	75-71-8	Dichlorodifluoromethane	5.9	J	0.78	11	ug/m3	J	sp	<PQL			
4402582221	RISG-58-15.0-20191212	12/12/19	TO15VOL	78-87-5	1,2-Dichloropropane	0.35	J	0.17	2.2	ppbv	J	sp	<PQL			
4402582221	RISG-58-15.0-20191212	12/12/19	TO15VOL	64-17-5	Ethanol	5.2	J	0.49	8.7	ppbv	J	sp	<PQL			
4402582221	RISG-58-15.0-20191212	12/12/19	TO15VOL	75-35-4	1,1-Dichloroethene	1.0	J	0.56	2.2	ppbv	J	sp	<PQL			
4402582221	RISG-58-15.0-20191212	12/12/19	TO15VOL	79-01-6	Trichloroethene	1.2	J	0.18	2.2	ppbv	J	sp	<PQL			
4402582221	RISG-58-15.0-20191212	12/12/19	TO15VOL	78-93-3	2-Butanone	4.3	J	0.76	8.7	ppbv	J	sp	<PQL			
4402582221	RISG-58-15.0-20191212	12/12/19	TO15VOL	541-73-1	1,3-Dichlorobenzene	0.47	J	0.16	2.2	ppbv	J	sp	<PQL			
4402582221	RISG-58-15.0-20191212	12/12/19	TO15VOL	75-71-8	Dichlorodifluoromethane	1.2	J	0.16	2.2	ppbv	J	sp	<PQL			
4402582221	RISG-58-15.0-20191212	12/12/19	TO15VOL	75-34-3	1,1-Dichloroethane	0.24	J	0.084	2.2	ppbv	J	sp	<PQL			
4402582221	RISG-58-15.0-20191212	12/12/19	TO15VOL	75-15-0	Carbon Disulfide	6.7	J	1	8.7	ppbv	J	sp	<PQL			
4402582221	RISG-58-15.0-20191212	12/12/19	TO15VOL	67-64-1	Acetone	9.6	J	1.4	22	ppbv	J	sp	<PQL			
4402582221	RISG-58-15.0-20191212	12/12/19	TO15VOL	124-48-1	Dibromochloromethane	0.21	J	0.21	2.2	ppbv	J	sp	<PQL			
4402582221	RISG-58-15.0-20191212	12/12/19	TO15VOL	75-69-4	Trichlorofluoromethane	0.31	J	0.26	2.2	ppbv	J	sp	<PQL			
4402582221	RISG-69-5.0-20191209	12/09/19	TO15	64-17-5	Ethanol	7.2		0.86	4.2	ug/m3	J	c	ICAL %RSD	39.788	30	%
4402582221	RISG-69-5.0-20191209	12/09/19	TO15	120-82-1	1,2,4-Trichlorobenzene		U	6	16	ug/m3	UJ	c	ICV %D	35.03	30	%
4402582221	RISG-69-5.0-20191209	12/09/19	TO15	75-09-2	Methylene Chloride	1.3	J	0.44	3.1	ug/m3	J	bl,bb,sp	blank contamination below PQL; <PQL	0.013	0.026	ug/m³

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator	Qualification Finding	Acceptance Criteria	
4402582221	RISG-69-5.0-20191209	12/09/19	TO15	78-93-3	2-Butanone	1.8	J	1.3	6.5	ug/m3	J	sp	<PQL			
4402582221	RISG-69-5.0-20191209	12/09/19	TO15	75-69-4	Trichlorofluoromethane	1.4	J	0.51	2.5	ug/m3	J	sp	<PQL			
4402582221	RISG-69-5.0-20191209	12/09/19	TO15	95-63-6	1,2,4-Trimethylbenzene	1.7	J	0.47	2.2	ug/m3	J	sp	<PQL			
4402582221	RISG-69-5.0-20191209	12/09/19	TO15SIM	74-87-3	Chloromethane	0.11	J	0.11	4.6	ug/m3	J	sp	<PQL			
4402582221	RISG-69-5.0-20191209	12/09/19	TO15SIM	91-20-3	Naphthalene	0.56	J	0.2	1.2	ug/m3	J	bl,bb,sp	blank contamination below PQL; <PQL	0.066	0.132	ug/m³
4402582221	RISG-69-5.0-20191209	12/09/19	TO15SIM	75-00-3	Chloroethane	0.11	J	0.086	0.58	ug/m3	J	sp	<PQL			
4402582221	RISG-69-5.0-20191209	12/09/19	TO15SIMVOL	91-20-3	Naphthalene	0.11	J	0.037	0.22	ppbv	J	bl,bb,sp	blank contamination below PQL; <PQL	0.066	0.132	ug/m³
4402582221	RISG-69-5.0-20191209	12/09/19	TO15SIMVOL	75-00-3	Chloroethane	0.041	J	0.033	0.22	ppbv	J	sp	<PQL			
4402582221	RISG-69-5.0-20191209	12/09/19	TO15SIMVOL	74-87-3	Chloromethane	0.053	J	0.053	2.2	ppbv	J	sp	<PQL			
4402582221	RISG-69-5.0-20191209	12/09/19	TO15VOL	75-69-4	Trichlorofluoromethane	0.24	J	0.091	0.44	ppbv	J	sp	<PQL			
4402582221	RISG-69-5.0-20191209	12/09/19	TO15VOL	95-63-6	1,2,4-Trimethylbenzene	0.34	J	0.096	0.44	ppbv	J	sp	<PQL			
4402582221	RISG-69-5.0-20191209	12/09/19	TO15VOL	64-17-5	Ethanol	3.8		0.46	2.2	ppbv	J	c	ICAL %RSD	39.788	30	%
4402582221	RISG-69-5.0-20191209	12/09/19	TO15VOL	75-09-2	Methylene Chloride	0.38	J	0.13	0.88	ppbv	J	bl,bb,sp	blank contamination below PQL; <PQL	0.013	0.026	ug/m³
4402582221	RISG-69-5.0-20191209	12/09/19	TO15VOL	78-93-3	2-Butanone	0.62	J	0.45	2.2	ppbv	J	sp	<PQL			
4402582221	RISG-69-5.0-20191209	12/09/19	TO15VOL	120-82-1	1,2,4-Trichlorobenzene		U	0.8	2.2	ppbv	UJ	c	ICV %D	35.03	30	%
4402582221	RISG-69-15.0-20191209	12/09/19	TO15	75-15-0	Carbon Disulfide	3.4	J	2.5	14	ug/m3	J	sp	<PQL			
4402582221	RISG-69-15.0-20191209	12/09/19	TO15	75-69-4	Trichlorofluoromethane	1.2	J	1.1	5.2	ug/m3	J	sp	<PQL			
4402582221	RISG-69-15.0-20191209	12/09/19	TO15	75-09-2	Methylene Chloride	5.4	J	0.94	6.5	ug/m3	J	bl,bb,sp	blank contamination below PQL; <PQL	0.013	0.026	ug/m³
4402582221	RISG-69-15.0-20191209	12/09/19	TO15	64-17-5	Ethanol	3.8	J	1.8	8.8	ug/m3	J	c,sp	ICAL %RSD; <PQL	39.788	30	%
4402582221	RISG-69-15.0-20191209	12/09/19	TO15	124-48-1	Dibromochloromethane	6.1	J	2.4	7.9	ug/m3	J	sp	<PQL			
4402582221	RISG-69-15.0-20191209	12/09/19	TO15	67-64-1	Acetone	5.9	J	3.7	22	ug/m3	J	sp	<PQL			
4402582221	RISG-69-15.0-20191209	12/09/19	TO15	541-73-1	1,3-Dichlorobenzene	2.3	J	1.9	5.6	ug/m3	J	sp	<PQL			
4402582221	RISG-69-15.0-20191209	12/09/19	TO15	120-82-1	1,2,4-Trichlorobenzene		U	12	34	ug/m3	UJ	c	ICV %D	35.03	30	%
4402582221	RISG-69-15.0-20191209	12/09/19	TO15SIM	74-87-3	Chloromethane	0.57	J	0.23	9.6	ug/m3	J	sp	<PQL			
4402582221	RISG-69-15.0-20191209	12/09/19	TO15SIM	95-47-6	ortho-xylene	0.28	J	0.18	0.81	ug/m3	J	sp	<PQL			
4402582221	RISG-69-15.0-20191209	12/09/19	TO15SIMVOL	74-87-3	Chloromethane	0.28	J	0.11	4.6	ppbv	J	sp	<PQL			
4402582221	RISG-69-15.0-20191209	12/09/19	TO15SIMVOL	95-47-6	ortho-xylene	0.064	J	0.042	0.19	ppbv	J	sp	<PQL			
4402582221	RISG-69-15.0-20191209	12/09/19	TO15VOL	75-15-0	Carbon Disulfide	1.1	J	0.8	4.6	ppbv	J	sp	<PQL			
4402582221	RISG-69-15.0-20191209	12/09/19	TO15VOL	75-69-4	Trichlorofluoromethane	0.22	J	0.19	0.93	ppbv	J	sp	<PQL			
4402582221	RISG-69-15.0-20191209	12/09/19	TO15VOL	541-73-1	1,3-Dichlorobenzene	0.39	J	0.32	0.93	ppbv	J	sp	<PQL			
4402582221	RISG-69-15.0-20191209	12/09/19	TO15VOL	124-48-1	Dibromochloromethane	0.72	J	0.28	0.93	ppbv	J	sp	<PQL			
4402582221	RISG-69-15.0-20191209	12/09/19	TO15VOL	67-64-1	Acetone	2.5	J	1.6	9.3	ppbv	J	sp	<PQL			
4402582221	RISG-69-15.0-20191209	12/09/19	TO15VOL	120-82-1	1,2,4-Trichlorobenzene		U	1.7	4.6	ppbv	UJ	c	ICV %D	35.03	30	%
4402582221	RISG-69-15.0-20191209	12/09/19	TO15VOL	64-17-5	Ethanol	2.0	J	0.96	4.6	ppbv	J	c,sp	ICAL %RSD; <PQL	39.788	30	%
4402582221	RISG-69-15.0-20191209	12/09/19	TO15VOL	75-09-2	Methylene Chloride	1.6	J	0.27	1.9	ppbv	J	bl,bb,sp	blank contamination below PQL; <PQL	0.013	0.026	ug/m³
4402582311	RISG-63-5.0-20191212	12/12/19	TO15	78-93-3	2-Butanone	9.6	J	2.7	13	ug/m3	J	sp	<PQL			
4402582311	RISG-63-5.0-20191212	12/12/19	TO15	67-64-1	Acetone	120		3.6	21	ug/m3	J+	l	LCS/LCSD %R	142,140	70-130	%
4402582311	RISG-63-5.0-20191212	12/12/19	TO15	120-82-1	1,2,4-Trichlorobenzene		U	12	33	ug/m3	UJ	c	ICV %D	35.03	30	%
4402582311	RISG-63-5.0-20191212	12/12/19	TO15	64-17-5	Ethanol	17		1.7	8.4	ug/m3	J	c	ICAL %RSD	39.788	30	%
4402582311	RISG-63-5.0-20191212	12/12/19	TO15	75-15-0	Carbon Disulfide	3.2	J	2.4	14	ug/m3	J	sp	<PQL			
4402582311	RISG-63-5.0-20191212	12/12/19	TO15	75-69-4	Trichlorofluoromethane	1.4	J	1	5.0	ug/m3	J	sp	<PQL			
4402582311	RISG-63-5.0-20191212	12/12/19	TO15	95-63-6	1,2,4-Trimethylbenzene	1.3	J	0.96	4.4	ug/m3	J	sp	<PQL			
4402582311	RISG-63-5.0-20191212	12/12/19	TO15SIM	95-47-6	ortho-xylene	0.52	J	0.17	0.78	ug/m3	J	sp	<PQL			
4402582311	RISG-63-5.0-20191212	12/12/19	TO15SIM	108-88-3	Toluene	1.4	J	0.51	1.7	ug/m3	J	sp	<PQL			
4402582311	RISG-63-5.0-20191212	12/12/19	TO15SIM	136777-61-2	m,p-xylene	1.3	J	0.91	1.6	ug/m3	J	sp	<PQL			
4402582311	RISG-63-5.0-20191212	12/12/19	TO15SIMVOL	95-47-6	ortho-xylene	0.12	J	0.04	0.18	ppbv	J	sp	<PQL			
4402582311	RISG-63-5.0-20191212	12/12/19	TO15SIMVOL	136777-61-2	m,p-xylene	0.30	J	0.21	0.36	ppbv	J	sp	<PQL			
4402582311	RISG-63-5.0-20191212	12/12/19	TO15SIMVOL	108-88-3	Toluene	0.37	J	0.14	0.45	ppbv	J	sp	<PQL			
4402582311	RISG-63-5.0-20191212	12/12/19	TO15VOL	78-93-3	2-Butanone	3.3	J	0.91	4.5	ppbv	J	sp	<PQL			
4402582311	RISG-63-5.0-20191212	12/12/19	TO15VOL	95-63-6	1,2,4-Trimethylbenzene	0.26	J	0.19	0.90	ppbv	J	sp	<PQL			
4402582311	RISG-63-5.0-20191212	12/12/19	TO15VOL	75-15-0	Carbon Disulfide	1.0	J	0.77	4.5	ppbv	J	sp	<PQL			
4402582311	RISG-63-5.0-20191212	12/12/19	TO15VOL	67-64-1	Acetone	53		1.5	9.0	ppbv	J+	l	LCS/LCSD %R	142,140	70-130	%
4402582311	RISG-63-5.0-20191212	12/12/19	TO15VOL	120-82-1	1,2,4-Trichlorobenzene		U	1.6	4.5	ppbv	UJ	c	ICV %D	35.03	30	%
4402582311	RISG-63-5.0-20191212	12/12/19	TO15VOL	75-69-4	Trichlorofluoromethane	0.25	J	0.18	0.90	ppbv	J	sp	<PQL			
4402582311	RISG-63-5.0-20191212	12/12/19	TO15VOL	64-17-5	Ethanol	9.2		0.93	4.5	ppbv	J	c	ICAL %RSD	39.788	30	%
4402582311	RISG-64-5.0-20191212	12/12/19	TO15	64-17-5	Ethanol	11		0.67	3.2	ug/m3	J	c	ICAL %RSD	39.788	30	%
4402582311	RISG-64-5.0-20191212	12/12/19	TO15	75-09-2	Methylene Chloride	0.40	J	0.34	2.4	ug/m3	J	bl,bb,sp	blank contamination below PQL; <PQL	0.27	0.54	ug/m³
4402582311	RISG-64-5.0-20191212	12/12/19	TO15	95-63-6	1,2,4-Trimethylbenzene	0.61	J	0.37	1.7	ug/m3	J	sp	<PQL			
4402582311	RISG-64-5.0-20191212	12/12/19	TO15	75-27-4	Bromodichloromethane	2.0	J	0.83	2.3	ug/m3	J	sp	<PQL			
4402582311	RISG-64-5.0-20191212	12/12/19	TO15	100-42-5	Styrene	0.25	J	0.16	1.4	ug/m3	J	sp	<PQL			
4402582311	RISG-64-5.0-20191212	12/12/19	TO15	67-64-1	Acetone	18		1.4	8.1	ug/m3	J+	l	LCS/LCSD %R	142,140	70-130	%
4402582311	RISG-64-5.0-20191212	12/12/19	TO15	78-93-3	2-Butanone	1.9	J	1	5.0	ug/m3	J	sp	<PQL			
4402582311	RISG-64-5.0-20191212	12/12/19	TO15	120-82-1	1,2,4-Trichlorobenzene		U	4.6	13	ug/m3	UJ	c	ICV %D	35.03	30	%
4402582311	RISG-64-5.0-20191212	12/12/19	TO15SIM	71-43-2	Benzene	0.51	J	0.32	0.55	ug/m3	J	sp	<PQL			
4402582311	RISG-64-5.0-20191212	12/12/19	TO15SIM	79-01-6	Trichloroethene	0.26	J	0.25	0.37	ug/m3	J	sp	<PQL			
4402582311	RISG-64-5.0-20191212	12/12/19	TO15SIM	91-20-3	Naphthalene	0.18	J	0.15	0.90	ug/m3	J	bl,bb,sp	blank contamination below PQL; <PQL	0.11	0.22	ug/m³

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator	Qualification Finding	Acceptance Criteria	
4402582311	RISG-64-5.0-20191212	12/12/19	TO15SIM	74-87-3	Chloromethane	0.13	J	0.084	3.5	ug/m3	J+	l,sp	LCS/LCSD %R; <PQL	132,-	70-130	%
4402582311	RISG-64-5.0-20191212	12/12/19	TO15SIMVOL	74-87-3	Chloromethane	0.063	J	0.041	1.7	ppbv	J+	l,sp	LCS/LCSD %R; <PQL	132,-	70-130	%
4402582311	RISG-64-5.0-20191212	12/12/19	TO15SIMVOL	71-43-2	Benzene	0.16	J	0.1	0.17	ppbv	J	sp	<PQL			
4402582311	RISG-64-5.0-20191212	12/12/19	TO15SIMVOL	79-01-6	Trichloroethene	0.049	J	0.046	0.068	ppbv	J	sp	<PQL			
4402582311	RISG-64-5.0-20191212	12/12/19	TO15SIMVOL	91-20-3	Naphthalene	0.034	J	0.029	0.17	ppbv	J	bl,bb,sp	blank contamination below PQL; <PQL	0.11	0.22	ug/m³
4402582311	RISG-64-5.0-20191212	12/12/19	TO15VOL	95-63-6	1,2,4-Trimethylbenzene	0.12	J	0.074	0.34	ppbv	J	sp	<PQL			
4402582311	RISG-64-5.0-20191212	12/12/19	TO15VOL	120-82-1	1,2,4-Trichlorobenzene		U	0.62	1.7	ppbv	UJ	c	ICV %D	35.03	30	%
4402582311	RISG-64-5.0-20191212	12/12/19	TO15VOL	78-93-3	2-Butanone	0.64	J	0.35	1.7	ppbv	J	sp	<PQL			
4402582311	RISG-64-5.0-20191212	12/12/19	TO15VOL	67-64-1	Acetone	7.5		0.58	3.4	ppbv	J+	l	LCS/LCSD %R	142,140	70-130	%
4402582311	RISG-64-5.0-20191212	12/12/19	TO15VOL	100-42-5	Styrene	0.058	J	0.037	0.34	ppbv	J	sp	<PQL			
4402582311	RISG-64-5.0-20191212	12/12/19	TO15VOL	75-27-4	Bromodichloromethane	0.31	J	0.12	0.34	ppbv	J	sp	<PQL			
4402582311	RISG-64-5.0-20191212	12/12/19	TO15VOL	64-17-5	Ethanol	5.9		0.35	1.7	ppbv	J	c	ICAL %RSD	39.788	30	%
4402582311	RISG-64-5.0-20191212	12/12/19	TO15VOL	75-09-2	Methylene Chloride	0.11	J	0.099	0.68	ppbv	J	bl,bb,sp	blank contamination below PQL; <PQL	0.27	0.54	ug/m³
4402582311	RISG-64-15.0-20191211	12/11/19	TO15	75-27-4	Bromodichloromethane	3.6	J	1.4	3.8	ug/m3	J	sp	<PQL			
4402582311	RISG-64-15.0-20191211	12/11/19	TO15	64-17-5	Ethanol	18		1.1	5.4	ug/m3	J	c	ICAL %RSD	39.788	30	%
4402582311	RISG-64-15.0-20191211	12/11/19	TO15	120-82-1	1,2,4-Trichlorobenzene		U	7.7	21	ug/m3	UJ	c	ICV %D	35.03	30	%
4402582311	RISG-64-15.0-20191211	12/11/19	TO15	67-64-1	Acetone	33		2.3	14	ug/m3	J+	l	LCS/LCSD %R	142,140	70-130	%
4402582311	RISG-64-15.0-20191211	12/11/19	TO15	109-99-9	Tetrahydrofuran	3.6	J	3.3	8.4	ug/m3	J	sp	<PQL			
4402582311	RISG-64-15.0-20191211	12/11/19	TO15	95-63-6	1,2,4-Trimethylbenzene	0.66	J	0.61	2.8	ug/m3	J	sp	<PQL			
4402582311	RISG-64-15.0-20191211	12/11/19	TO15	75-15-0	Carbon Disulfide	2.1	J	1.5	8.9	ug/m3	J	sp	<PQL			
4402582311	RISG-64-15.0-20191211	12/11/19	TO15SIM	95-47-6	ortho-xylene	0.36	J	0.11	0.50	ug/m3	J	sp	<PQL			
4402582311	RISG-64-15.0-20191211	12/11/19	TO15SIM	136777-61-2	m,p-xylene	0.84	J	0.58	0.99	ug/m3	J	sp	<PQL			
4402582311	RISG-64-15.0-20191211	12/11/19	TO15SIM	74-87-3	Chloromethane	0.22	J	0.14	5.9	ug/m3	J+	l,sp	LCS/LCSD %R; <PQL	132,-	70-130	%
4402582311	RISG-64-15.0-20191211	12/11/19	TO15SIM	75-34-3	1,1-Dichloroethane	0.21	J	0.15	0.46	ug/m3	J	sp	<PQL			
4402582311	RISG-64-15.0-20191211	12/11/19	TO15SIMVOL	136777-61-2	m,p-xylene	0.19	J	0.13	0.23	ppbv	J	sp	<PQL			
4402582311	RISG-64-15.0-20191211	12/11/19	TO15SIMVOL	74-87-3	Chloromethane	0.10	J	0.068	2.8	ppbv	J+	l,sp	LCS/LCSD %R; <PQL	132,-	70-130	%
4402582311	RISG-64-15.0-20191211	12/11/19	TO15SIMVOL	95-47-6	ortho-xylene	0.082	J	0.026	0.11	ppbv	J	sp	<PQL			
4402582311	RISG-64-15.0-20191211	12/11/19	TO15SIMVOL	75-34-3	1,1-Dichloroethane	0.052	J	0.038	0.11	ppbv	J	sp	<PQL			
4402582311	RISG-64-15.0-20191211	12/11/19	TO15VOL	75-15-0	Carbon Disulfide	0.68	J	0.49	2.8	ppbv	J	sp	<PQL			
4402582311	RISG-64-15.0-20191211	12/11/19	TO15VOL	109-99-9	Tetrahydrofuran	1.2	J	1.1	2.8	ppbv	J	sp	<PQL			
4402582311	RISG-64-15.0-20191211	12/11/19	TO15VOL	95-63-6	1,2,4-Trimethylbenzene	0.14	J	0.12	0.57	ppbv	J	sp	<PQL			
4402582311	RISG-64-15.0-20191211	12/11/19	TO15VOL	64-17-5	Ethanol	9.8		0.59	2.8	ppbv	J	c	ICAL %RSD	39.788	30	%
4402582311	RISG-64-15.0-20191211	12/11/19	TO15VOL	120-82-1	1,2,4-Trichlorobenzene		U	1	2.8	ppbv	UJ	c	ICV %D	35.03	30	%
4402582311	RISG-64-15.0-20191211	12/11/19	TO15VOL	75-27-4	Bromodichloromethane	0.54	J	0.21	0.57	ppbv	J	sp	<PQL			
4402582311	RISG-64-15.0-20191211	12/11/19	TO15VOL	67-64-1	Acetone	14		0.96	5.7	ppbv	J+	l	LCS/LCSD %R	142,140	70-130	%
4402582311	RISG-65-5.0-20191212	12/12/19	TO15	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.62	J	0.28	1.4	ug/m3	J	sp	<PQL			
4402582311	RISG-65-5.0-20191212	12/12/19	TO15	64-17-5	Ethanol	11		0.36	1.8	ug/m3	J	c	ICAL %RSD	39.788	30	%
4402582311	RISG-65-5.0-20191212	12/12/19	TO15	120-82-1	1,2,4-Trichlorobenzene		U	2.5	6.9	ug/m3	UJ	c	ICV %D	35.03	30	%
4402582311	RISG-65-5.0-20191212	12/12/19	TO15	75-09-2	Methylene Chloride	0.75	J	0.19	1.3	ug/m3	J	bl,bb,sp	blank contamination below PQL; <PQL	0.27	0.54	ug/m³
4402582311	RISG-65-5.0-20191212	12/12/19	TO15	110-82-7	Cyclohexane	0.37	J	0.17	0.64	ug/m3	J	sp	<PQL			
4402582311	RISG-65-5.0-20191212	12/12/19	TO15	110-54-3	n-Hexane	0.38	J	0.37	3.3	ug/m3	J	sp	<PQL			
4402582311	RISG-65-5.0-20191212	12/12/19	TO15	78-93-3	2-Butanone	1.2	J	0.56	2.8	ug/m3	J	sp	<PQL			
4402582311	RISG-65-5.0-20191212	12/12/19	TO15	100-42-5	Styrene	0.36	J	0.086	0.80	ug/m3	J	sp	<PQL			
4402582311	RISG-65-5.0-20191212	12/12/19	TO15	108-67-8	1,3,5-Trimethylbenzene	0.31	J	0.18	0.92	ug/m3	J	sp	<PQL			
4402582311	RISG-65-5.0-20191212	12/12/19	TO15	67-64-1	Acetone	16		0.75	4.4	ug/m3	J+	l	LCS/LCSD %R	142,140	70-130	%
4402582311	RISG-65-5.0-20191212	12/12/19	TO15	124-48-1	Dibromochloromethane	0.62	J	0.48	1.6	ug/m3	J	sp	<PQL			
4402582311	RISG-65-5.0-20191212	12/12/19	TO15	95-63-6	1,2,4-Trimethylbenzene	0.91	J	0.2	0.92	ug/m3	J	sp	<PQL			
4402582311	RISG-65-5.0-20191212	12/12/19	TO15SIM	75-00-3	Chloroethane	0.22	J	0.036	0.25	ug/m3	J	bl,bb,sp	blank contamination below PQL; <PQL	0.026	0.052	ug/m³
4402582311	RISG-65-5.0-20191212	12/12/19	TO15SIM	91-20-3	Naphthalene	0.16	J	0.083	0.49	ug/m3	J	bl,bb,sp	blank contamination below PQL; <PQL	0.11	0.22	ug/m³
4402582311	RISG-65-5.0-20191212	12/12/19	TO15SIM	74-87-3	Chloromethane	0.070	J	0.046	1.9	ug/m3	J+	l,sp	LCS/LCSD %R; <PQL	132,-	70-130	%
4402582311	RISG-65-5.0-20191212	12/12/19	TO15SIM	106-46-7	1,4-Dichlorobenzene	0.14	J	0.13	0.22	ug/m3	J	bl,bb,sp	blank contamination below PQL; <PQL	0.1	0.2	ug/m³
4402582311	RISG-65-5.0-20191212	12/12/19	TO15SIM	75-34-3	1,1-Dichloroethane	0.14	J	0.05	0.15	ug/m3	J	sp	<PQL			
4402582311	RISG-65-5.0-20191212	12/12/19	TO15SIMVOL	75-00-3	Chloroethane	0.083	J	0.014	0.094	ppbv	J	bl,bb,sp	blank contamination below PQL; <PQL	0.026	0.052	ug/m³
4402582311	RISG-65-5.0-20191212	12/12/19	TO15SIMVOL	91-20-3	Naphthalene	0.030	J	0.016	0.094	ppbv	J	bl,bb,sp	blank contamination below PQL; <PQL	0.11	0.22	ug/m³
4402582311	RISG-65-5.0-20191212	12/12/19	TO15SIMVOL	106-46-7	1,4-Dichlorobenzene	0.024	J	0.021	0.037	ppbv	J	bl,bb,sp	blank contamination below PQL; <PQL	0.1	0.2	ug/m³
4402582311	RISG-65-5.0-20191212	12/12/19	TO15SIMVOL	74-87-3	Chloromethane	0.034	J	0.022	0.94	ppbv	J+	l,sp	LCS/LCSD %R; <PQL	132,-	70-130	%
4402582311	RISG-65-5.0-20191212	12/12/19	TO15SIMVOL	75-34-3	1,1-Dichloroethane	0.034	J	0.012	0.037	ppbv	J	sp	<PQL			
4402582311	RISG-65-5.0-20191212	12/12/19	TO15VOL	124-48-1	Dibromochloromethane	0.073	J	0.057	0.19	ppbv	J	sp	<PQL			
4402582311	RISG-65-5.0-20191212	12/12/19	TO15VOL	95-63-6	1,2,4-Trimethylbenzene	0.18	J	0.041	0.19	ppbv	J	sp	<PQL			
4402582311	RISG-65-5.0-20191212	12/12/19	TO15VOL	67-64-1	Acetone	6.8		0.31	1.9	ppbv	J+	l	LCS/LCSD %R	142,140	70-130	%
4402582311	RISG-65-5.0-20191212	12/12/19	TO15VOL	108-67-8	1,3,5-Trimethylbenzene	0.063	J	0.037	0.19	ppbv	J	sp	<PQL			
4402582311	RISG-65-5.0-20191212	12/12/19	TO15VOL	100-42-5	Styrene	0.084	J	0.02	0.19	ppbv	J	sp	<PQL			
4402582311	RISG-65-5.0-20191212	12/12/19	TO15VOL	78-93-3	2-Butanone	0.42	J	0.19	0.94	ppbv	J	sp	<PQL			
4402582311	RISG-65-5.0-20191212	12/12/19	TO15VOL	110-54-3	n-Hexane	0.11	J	0.1	0.94	ppbv	J	sp	<PQL			
4402582311	RISG-65-5.0-20191212	12/12/19	TO15VOL	110-82-7	Cyclohexane	0.11	J	0.05	0.19	ppbv	J	sp	<PQL			
4402582311	RISG-65-5.0-20191212	12/12/19	TO15VOL	120-82-1	1,2,4-Trichlorobenzene		U	0.34	0.94	ppbv	UJ	c	ICV %D	35.03	30	%

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator	Qualification Finding	Acceptance Criteria	
4402582311	RISG-65-5.0-20191212	12/12/19	TO15VOL	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.081	J	0.037	0.19	ppbv	J	sp	<PQL			
4402582311	RISG-65-5.0-20191212	12/12/19	TO15VOL	75-09-2	Methylene Chloride	0.22	J	0.054	0.37	ppbv	J	bl,bb,sp	blank contamination below PQL; <PQL	0.27	0.54	ug/m³
4402582311	RISG-65-5.0-20191212	12/12/19	TO15VOL	64-17-5	Ethanol	5.7		0.19	0.94	ppbv	J	c	ICAL %RSD	39.788	30	%
4402582311	RISG-65-15.0-20191212	12/12/19	TO15	75-09-2	Methylene Chloride	1.1	J	0.59	4.0	ug/m3	J	bl,bb,sp	blank contamination below PQL; <PQL	0.27	0.54	ug/m³
4402582311	RISG-65-15.0-20191212	12/12/19	TO15	64-17-5	Ethanol	13		1.1	5.5	ug/m3	J	c	ICAL %RSD	39.788	30	%
4402582311	RISG-65-15.0-20191212	12/12/19	TO15	120-82-1	1,2,4-Trichlorobenzene		U	7.9	22	ug/m3	UJ	c	ICV %D	35.03	30	%
4402582311	RISG-65-15.0-20191212	12/12/19	TO15	110-54-3	n-Hexane	1.4	J	1.2	10	ug/m3	J	sp	<PQL			
4402582311	RISG-65-15.0-20191212	12/12/19	TO15	67-64-1	Acetone	34		2.3	14	ug/m3	J	l,fd	LCS/LCSD %R; FD RPD	142,140; 62	70-130; 50	%
4402582311	RISG-65-15.0-20191212	12/12/19	TO15	100-42-5	Styrene	1.0	J	0.27	2.5	ug/m3	J	sp	<PQL			
4402582311	RISG-65-15.0-20191212	12/12/19	TO15	108-67-8	1,3,5-Trimethylbenzene	1.8	J	0.57	2.9	ug/m3	J	sp	<PQL			
4402582311	RISG-65-15.0-20191212	12/12/19	TO15	95-63-6	1,2,4-Trimethylbenzene	4.3		0.62	2.9	ug/m3	J	fd	FD RPD	66	50	%
4402582311	RISG-65-15.0-20191212	12/12/19	TO15	75-69-4	Trichlorofluoromethane	1.2	J	0.68	3.3	ug/m3	J	sp	<PQL			
4402582311	RISG-65-15.0-20191212	12/12/19	TO15SIM	75-00-3	Chloroethane	0.52	J	0.11	0.77	ug/m3	J	bl,bb,sp	blank contamination below PQL; <PQL	0.026	0.052	ug/m³
4402582311	RISG-65-15.0-20191212	12/12/19	TO15SIM	91-20-3	Naphthalene	0.28	J	0.26	1.5	ug/m3	J	bl,bb,sp	blank contamination below PQL; <PQL	0.11	0.22	ug/m³
4402582311	RISG-65-15.0-20191212	12/12/19	TO15SIM	106-93-4	1,2-Dibromoethane	0.17	J	0.14	0.90	ug/m3	J	bl,bb,sp	blank contamination below PQL; <PQL	0.048	0.096	ug/m³
4402582311	RISG-65-15.0-20191212	12/12/19	TO15SIM	75-34-3	1,1-Dichloroethane	0.35	J	0.16	0.47	ug/m3	J	sp	<PQL			
4402582311	RISG-65-15.0-20191212	12/12/19	TO15SIM	74-87-3	Chloromethane	0.38	J	0.14	6.0	ug/m3	J+	l,sp	LCS/LCSD %R; <PQL	132,-	70-130	%
4402582311	RISG-65-15.0-20191212	12/12/19	TO15SIMVOL	75-00-3	Chloroethane	0.20	J	0.043	0.29	ppbv	J	bl,bb,sp	blank contamination below PQL; <PQL	0.026	0.052	ug/m³
4402582311	RISG-65-15.0-20191212	12/12/19	TO15SIMVOL	74-87-3	Chloromethane	0.19	J	0.07	2.9	ppbv	J+	l,sp	LCS/LCSD %R; <PQL	132,-	70-130	%
4402582311	RISG-65-15.0-20191212	12/12/19	TO15SIMVOL	91-20-3	Naphthalene	0.053	J	0.049	0.29	ppbv	J	bl,bb,sp	blank contamination below PQL; <PQL	0.11	0.22	ug/m³
4402582311	RISG-65-15.0-20191212	12/12/19	TO15SIMVOL	106-93-4	1,2-Dibromoethane	0.022	J	0.018	0.12	ppbv	J	bl,bb,sp	blank contamination below PQL; <PQL	0.048	0.096	ug/m³
4402582311	RISG-65-15.0-20191212	12/12/19	TO15SIMVOL	75-34-3	1,1-Dichloroethane	0.086	J	0.039	0.12	ppbv	J	sp	<PQL			
4402582311	RISG-65-15.0-20191212	12/12/19	TO15VOL	108-67-8	1,3,5-Trimethylbenzene	0.38	J	0.12	0.58	ppbv	J	sp	<PQL			
4402582311	RISG-65-15.0-20191212	12/12/19	TO15VOL	100-42-5	Styrene	0.24	J	0.063	0.58	ppbv	J	sp	<PQL			
4402582311	RISG-65-15.0-20191212	12/12/19	TO15VOL	75-69-4	Trichlorofluoromethane	0.22	J	0.12	0.58	ppbv	J	sp	<PQL			
4402582311	RISG-65-15.0-20191212	12/12/19	TO15VOL	95-63-6	1,2,4-Trimethylbenzene	0.88		0.13	0.58	ppbv	J	fd	FD RPD	66	50	%
4402582311	RISG-65-15.0-20191212	12/12/19	TO15VOL	120-82-1	1,2,4-Trichlorobenzene		U	1	2.9	ppbv	UJ	c	ICV %D	35.03	30	%
4402582311	RISG-65-15.0-20191212	12/12/19	TO15VOL	67-64-1	Acetone	14		0.98	5.8	ppbv	J	l,fd	LCS/LCSD %R; FD RPD	142,140; 62	70-130; 50	%
4402582311	RISG-65-15.0-20191212	12/12/19	TO15VOL	110-54-3	n-Hexane	0.39	J	0.33	2.9	ppbv	J	sp	<PQL			
4402582311	RISG-65-15.0-20191212	12/12/19	TO15VOL	64-17-5	Ethanol	6.8		0.6	2.9	ppbv	J	c	ICAL %RSD	39.788	30	%
4402582311	RISG-65-15.0-20191212	12/12/19	TO15VOL	75-09-2	Methylene Chloride	0.32	J	0.17	1.2	ppbv	J	bl,bb,sp	blank contamination below PQL; <PQL	0.27	0.54	ug/m³
4402582311	RISG-65-15.0-20191212-FD	12/12/19	TO15	100-42-5	Styrene	0.77	J	0.25	2.3	ug/m3	J	sp	<PQL			
4402582311	RISG-65-15.0-20191212-FD	12/12/19	TO15	75-69-4	Trichlorofluoromethane	1.1	J	0.62	3.0	ug/m3	J	sp	<PQL			
4402582311	RISG-65-15.0-20191212-FD	12/12/19	TO15	95-63-6	1,2,4-Trimethylbenzene	8.5		0.57	2.6	ug/m3	J	fd	FD RPD	66	50	%
4402582311	RISG-65-15.0-20191212-FD	12/12/19	TO15	75-09-2	Methylene Chloride	0.83	J	0.54	3.7	ug/m3	J	bl,bb,sp	blank contamination below PQL; <PQL	0.27	0.54	ug/m³
4402582311	RISG-65-15.0-20191212-FD	12/12/19	TO15	120-82-1	1,2,4-Trichlorobenzene		U	7.2	20	ug/m3	UJ	c	ICV %D	35.03	30	%
4402582311	RISG-65-15.0-20191212-FD	12/12/19	TO15	67-64-1	Acetone	18		2.1	13	ug/m3	J	l,fd	LCS/LCSD %R; FD RPD	142,140; 62	70-130; 50	%
4402582311	RISG-65-15.0-20191212-FD	12/12/19	TO15	64-17-5	Ethanol	8.8		1	5.0	ug/m3	J	c	ICAL %RSD	39.788	30	%
4402582311	RISG-65-15.0-20191212-FD	12/12/19	TO15	78-93-3	2-Butanone	5.9	J	1.6	7.9	ug/m3	J	sp	<PQL			
4402582311	RISG-65-15.0-20191212-FD	12/12/19	TO15SIM	75-34-3	1,1-Dichloroethane	0.33	J	0.14	0.43	ug/m3	J	sp	<PQL			
4402582311	RISG-65-15.0-20191212-FD	12/12/19	TO15SIM	74-87-3	Chloromethane	0.17	J	0.13	5.5	ug/m3	J+	l,sp	LCS/LCSD %R; <PQL	132,-	70-130	%
4402582311	RISG-65-15.0-20191212-FD	12/12/19	TO15SIM	106-93-4	1,2-Dibromoethane	0.14	J	0.13	0.82	ug/m3	J	bl,bb,sp	blank contamination below PQL; <PQL	0.048	0.096	ug/m³
4402582311	RISG-65-15.0-20191212-FD	12/12/19	TO15SIM	75-00-3	Chloroethane	0.54	J	0.1	0.71	ug/m3	J	bl,bb,sp	blank contamination below PQL; <PQL	0.026	0.052	ug/m³
4402582311	RISG-65-15.0-20191212-FD	12/12/19	TO15SIMVOL	75-34-3	1,1-Dichloroethane	0.082	J	0.036	0.11	ppbv	J	sp	<PQL			
4402582311	RISG-65-15.0-20191212-FD	12/12/19	TO15SIMVOL	74-87-3	Chloromethane	0.084	J	0.064	2.7	ppbv	J+	l,sp	LCS/LCSD %R; <PQL	132,-	70-130	%
4402582311	RISG-65-15.0-20191212-FD	12/12/19	TO15SIMVOL	75-00-3	Chloroethane	0.20	J	0.04	0.27	ppbv	J	bl,bb,sp	blank contamination below PQL; <PQL	0.026	0.052	ug/m³
4402582311	RISG-65-15.0-20191212-FD	12/12/19	TO15SIMVOL	106-93-4	1,2-Dibromoethane	0.018	J	0.017	0.11	ppbv	J	bl,bb,sp	blank contamination below PQL; <PQL	0.048	0.096	ug/m³
4402582311	RISG-65-15.0-20191212-FD	12/12/19	TO15VOL	95-63-6	1,2,4-Trimethylbenzene	1.7		0.12	0.54	ppbv	J	fd	FD RPD	66	50	%
4402582311	RISG-65-15.0-20191212-FD	12/12/19	TO15VOL	75-09-2	Methylene Chloride	0.24	J	0.16	1.1	ppbv	J	bl,bb,sp	blank contamination below PQL; <PQL	0.27	0.54	ug/m³
4402582311	RISG-65-15.0-20191212-FD	12/12/19	TO15VOL	78-93-3	2-Butanone	2.0	J	0.55	2.7	ppbv	J	sp	<PQL			
4402582311	RISG-65-15.0-20191212-FD	12/12/19	TO15VOL	75-69-4	Trichlorofluoromethane	0.19	J	0.11	0.54	ppbv	J	sp	<PQL			
4402582311	RISG-65-15.0-20191212-FD	12/12/19	TO15VOL	67-64-1	Acetone	7.8		0.9	5.4	ppbv	J	l,fd	LCS/LCSD %R; FD RPD	142,140; 62	70-130; 50	%
4402582311	RISG-65-15.0-20191212-FD	12/12/19	TO15VOL	120-82-1	1,2,4-Trichlorobenzene		U	0.98	2.7	ppbv	UJ	c	ICV %D	35.03	30	%
4402582311	RISG-65-15.0-20191212-FD	12/12/19	TO15VOL	100-42-5	Styrene	0.18	J	0.058	0.54	ppbv	J	sp	<PQL			
4402582311	RISG-65-15.0-20191212-FD	12/12/19	TO15VOL	64-17-5	Ethanol	4.7		0.56	2.7	ppbv	J	c	ICAL %RSD	39.788	30	%
4402582311	RISG-66-5.0-20191211	12/11/19	TO15	120-82-1	1,2,4-Trichlorobenzene		U	2.1	5.9	ug/m3	UJ	c	ICV %D	35.03	30	%
4402582311	RISG-66-5.0-20191211	12/11/19	TO15	100-42-5	Styrene	0.28	J	0.072	0.67	ug/m3	J	sp	<PQL			
4402582311	RISG-66-5.0-20191211	12/11/19	TO15	75-27-4	Bromodichloromethane	0.85	J	0.38	1.0	ug/m3	J	sp	<PQL			
4402582311	RISG-66-5.0-20191211	12/11/19	TO15	64-17-5	Ethanol	11		0.31	1.5	ug/m3	J	c	ICAL %RSD	39.788	30	%
4402582311	RISG-66-5.0-20191211	12/11/19	TO15	78-93-3	2-Butanone	1.9	J	0.48	2.3	ug/m3	J	sp	<PQL			
4402582311	RISG-66-5.0-20191211	12/11/19	TO15	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.56	J	0.24	1.2	ug/m3	J	sp	<PQL			
4402582311	RISG-66-5.0-20191211	12/11/19	TO15	108-67-8	1,3,5-Trimethylbenzene	0.17	J	0.16	0.78	ug/m3	J	sp	<PQL			
4402582311	RISG-66-5.0-20191211	12/11/19	TO15	95-63-6	1,2,4-Trimethylbenzene	0.67	J	0.17	0.78	ug/m3	J	sp	<PQL			
4402582311	RISG-66-5.0-20191211	12/11/19	TO15	75-09-2	Methylene Chloride	0.42	J	0.16	1.1	ug/m3	J	bl,bb,sp	blank contamination below PQL; <PQL	0.14	0.28	ug/m³
4402582311	RISG-66-5.0-20191211	12/11/19	TO15SIM	91-20-3	Naphthalene	0.15	J	0.07	0.41	ug/m3	J	bl,bb,sp	blank contamination below PQL; <PQL	0.048	0.096	ug/m³
4402582311	RISG-66-5.0-20191211	12/11/19	TO15SIM	75-00-3	Chloroethane	0.071	J	0.031	0.21	ug/m3	J	sp	<PQL			

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator	Qualification Finding	Acceptance Criteria	
4402582311	RISG-66-5.0-20191211	12/11/19	TO15SIM	74-87-3	Chloromethane	0.10	J	0.039	1.6	ug/m3	J	sp	<PQL			
4402582311	RISG-66-5.0-20191211	12/11/19	TO15SIM	107-06-2	1,2-Dichloroethane	0.028	J	0.023	0.13	ug/m3	J	sp	<PQL			
4402582311	RISG-66-5.0-20191211	12/11/19	TO15SIMVOL	74-87-3	Chloromethane	0.049	J	0.019	0.79	ppbv	J	sp	<PQL			
4402582311	RISG-66-5.0-20191211	12/11/19	TO15SIMVOL	91-20-3	Naphthalene	0.029	J	0.013	0.079	ppbv	J	bl,bb,sp	blank contamination below PQL; <PQL	0.048	0.096	ug/m³
4402582311	RISG-66-5.0-20191211	12/11/19	TO15SIMVOL	75-00-3	Chloroethane	0.027	J	0.012	0.079	ppbv	J	sp	<PQL			
4402582311	RISG-66-5.0-20191211	12/11/19	TO15SIMVOL	107-06-2	1,2-Dichloroethane	0.0070	J	0.0058	0.032	ppbv	J	sp	<PQL			
4402582311	RISG-66-5.0-20191211	12/11/19	TO15VOL	108-67-8	1,3,5-Trimethylbenzene	0.035	J	0.032	0.16	ppbv	J	sp	<PQL			
4402582311	RISG-66-5.0-20191211	12/11/19	TO15VOL	75-09-2	Methylene Chloride	0.12	J	0.046	0.32	ppbv	J	bl,bb,sp	blank contamination below PQL; <PQL	0.14	0.28	ug/m³
4402582311	RISG-66-5.0-20191211	12/11/19	TO15VOL	95-63-6	1,2,4-Trimethylbenzene	0.14	J	0.034	0.16	ppbv	J	sp	<PQL			
4402582311	RISG-66-5.0-20191211	12/11/19	TO15VOL	100-42-5	Styrene	0.065	J	0.017	0.16	ppbv	J	sp	<PQL			
4402582311	RISG-66-5.0-20191211	12/11/19	TO15VOL	120-82-1	1,2,4-Trichlorobenzene		U	0.29	0.79	ppbv	UJ	c	ICV %D	35.03	30	%
4402582311	RISG-66-5.0-20191211	12/11/19	TO15VOL	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.074	J	0.031	0.16	ppbv	J	sp	<PQL			
4402582311	RISG-66-5.0-20191211	12/11/19	TO15VOL	64-17-5	Ethanol	5.8		0.16	0.79	ppbv	J	c	ICAL %RSD	39.788	30	%
4402582311	RISG-66-5.0-20191211	12/11/19	TO15VOL	75-27-4	Bromodichloromethane	0.13	J	0.057	0.16	ppbv	J	sp	<PQL			
4402582311	RISG-66-5.0-20191211	12/11/19	TO15VOL	78-93-3	2-Butanone	0.64	J	0.16	0.79	ppbv	J	sp	<PQL			
4402582311	RISG-66-15.0-20191211	12/11/19	TO15	120-82-1	1,2,4-Trichlorobenzene		U	3.6	9.9	ug/m3	UJ	c	ICV %D	35.03	30	%
4402582311	RISG-66-15.0-20191211	12/11/19	TO15	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.61	J	0.4	2.0	ug/m3	J	sp	<PQL			
4402582311	RISG-66-15.0-20191211	12/11/19	TO15	108-67-8	1,3,5-Trimethylbenzene	0.72	J	0.26	1.3	ug/m3	J	sp	<PQL			
4402582311	RISG-66-15.0-20191211	12/11/19	TO15	75-09-2	Methylene Chloride	1.3	J	0.27	1.8	ug/m3	J	bl,bb,sp	blank contamination below PQL; <PQL	0.14	0.28	ug/m³
4402582311	RISG-66-15.0-20191211	12/11/19	TO15	78-87-5	1,2-Dichloropropane	1.2	J	0.3	1.2	ug/m3	J	sp	<PQL			
4402582311	RISG-66-15.0-20191211	12/11/19	TO15	100-42-5	Styrene	0.82	J	0.12	1.1	ug/m3	J	sp	<PQL			
4402582311	RISG-66-15.0-20191211	12/11/19	TO15	110-54-3	n-Hexane	2.0	J	0.53	4.7	ug/m3	J	sp	<PQL			
4402582311	RISG-66-15.0-20191211	12/11/19	TO15	109-99-9	Tetrahydrofuran	2.4	J	1.6	3.9	ug/m3	J	sp	<PQL			
4402582311	RISG-66-15.0-20191211	12/11/19	TO15	64-17-5	Ethanol	26		0.52	2.5	ug/m3	J	c	ICAL %RSD	39.788	30	%
4402582311	RISG-66-15.0-20191211	12/11/19	TO15SIM	106-46-7	1,4-Dichlorobenzene	0.31	J	0.18	0.32	ug/m3	J	sp	<PQL			
4402582311	RISG-66-15.0-20191211	12/11/19	TO15SIM	91-20-3	Naphthalene	0.33	J	0.12	0.70	ug/m3	J	bl,bb,sp	blank contamination below PQL; <PQL	0.048	0.096	ug/m³
4402582311	RISG-66-15.0-20191211	12/11/19	TO15SIM	75-00-3	Chloroethane	0.085	J	0.052	0.35	ug/m3	J	sp	<PQL			
4402582311	RISG-66-15.0-20191211	12/11/19	TO15SIM	156-59-2	cis-1,2-Dichloroethene	0.076	J	0.074	0.21	ug/m3	J	sp	<PQL			
4402582311	RISG-66-15.0-20191211	12/11/19	TO15SIM	106-93-4	1,2-Dibromoethane	0.16	J	0.064	0.41	ug/m3	J	bl,bb,sp	blank contamination below PQL; <PQL	0.026	0.052	ug/m³
4402582311	RISG-66-15.0-20191211	12/11/19	TO15SIM	74-87-3	Chloromethane	0.66	J	0.066	2.8	ug/m3	J	sp	<PQL			
4402582311	RISG-66-15.0-20191211	12/11/19	TO15SIMVOL	106-93-4	1,2-Dibromoethane	0.021	J	0.0084	0.053	ppbv	J	bl,bb,sp	blank contamination below PQL; <PQL	0.026	0.052	ug/m³
4402582311	RISG-66-15.0-20191211	12/11/19	TO15SIMVOL	74-87-3	Chloromethane	0.32	J	0.032	1.3	ppbv	J	sp	<PQL			
4402582311	RISG-66-15.0-20191211	12/11/19	TO15SIMVOL	106-46-7	1,4-Dichlorobenzene	0.052	J	0.03	0.053	ppbv	J	sp	<PQL			
4402582311	RISG-66-15.0-20191211	12/11/19	TO15SIMVOL	156-59-2	cis-1,2-Dichloroethene	0.019	J	0.019	0.053	ppbv	J	sp	<PQL			
4402582311	RISG-66-15.0-20191211	12/11/19	TO15SIMVOL	75-00-3	Chloroethane	0.032	J	0.02	0.13	ppbv	J	sp	<PQL			
4402582311	RISG-66-15.0-20191211	12/11/19	TO15SIMVOL	91-20-3	Naphthalene	0.063	J	0.023	0.13	ppbv	J	bl,bb,sp	blank contamination below PQL; <PQL	0.048	0.096	ug/m³
4402582311	RISG-66-15.0-20191211	12/11/19	TO15VOL	108-67-8	1,3,5-Trimethylbenzene	0.15	J	0.053	0.27	ppbv	J	sp	<PQL			
4402582311	RISG-66-15.0-20191211	12/11/19	TO15VOL	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.079	J	0.053	0.27	ppbv	J	sp	<PQL			
4402582311	RISG-66-15.0-20191211	12/11/19	TO15VOL	75-09-2	Methylene Chloride	0.37	J	0.077	0.53	ppbv	J	bl,bb,sp	blank contamination below PQL; <PQL	0.14	0.28	ug/m³
4402582311	RISG-66-15.0-20191211	12/11/19	TO15VOL	78-87-5	1,2-Dichloropropane	0.25	J	0.064	0.27	ppbv	J	sp	<PQL			
4402582311	RISG-66-15.0-20191211	12/11/19	TO15VOL	109-99-9	Tetrahydrofuran	0.83	J	0.53	1.3	ppbv	J	sp	<PQL			
4402582311	RISG-66-15.0-20191211	12/11/19	TO15VOL	64-17-5	Ethanol	14		0.28	1.3	ppbv	J	c	ICAL %RSD	39.788	30	%
4402582311	RISG-66-15.0-20191211	12/11/19	TO15VOL	120-82-1	1,2,4-Trichlorobenzene		U	0.48	1.3	ppbv	UJ	c	ICV %D	35.03	30	%
4402582311	RISG-66-15.0-20191211	12/11/19	TO15VOL	110-54-3	n-Hexane	0.57	J	0.15	1.3	ppbv	J	sp	<PQL			
4402582311	RISG-66-15.0-20191211	12/11/19	TO15VOL	100-42-5	Styrene	0.19	J	0.029	0.27	ppbv	J	sp	<PQL			
4402582311	RISG-67-5.0-20191210	12/10/19	TO15	75-69-4	Trichlorofluoromethane	1.8	J	0.39	1.9	ug/m3	J	sp	<PQL			
4402582311	RISG-67-5.0-20191210	12/10/19	TO15	78-93-3	2-Butanone	1.6	J	1	5.0	ug/m3	J	sp	<PQL			
4402582311	RISG-67-5.0-20191210	12/10/19	TO15	75-27-4	Bromodichloromethane	1.2	J	0.81	2.2	ug/m3	J	sp	<PQL			
4402582311	RISG-67-5.0-20191210	12/10/19	TO15	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.61	J	0.51	2.6	ug/m3	J	sp	<PQL			
4402582311	RISG-67-5.0-20191210	12/10/19	TO15SIM	75-00-3	Chloroethane	0.12	J	0.066	0.44	ug/m3	J	sp	<PQL			
4402582311	RISG-67-5.0-20191210	12/10/19	TO15SIM	75-34-3	1,1-Dichloroethane	0.14	J	0.09	0.27	ug/m3	J	sp	<PQL			
4402582311	RISG-67-5.0-20191210	12/10/19	TO15SIM	74-87-3	Chloromethane	0.098	J	0.083	3.5	ug/m3	J	sp	<PQL			
4402582311	RISG-67-5.0-20191210	12/10/19	TO15SIMVOL	75-00-3	Chloroethane	0.047	J	0.025	0.17	ppbv	J	sp	<PQL			
4402582311	RISG-67-5.0-20191210	12/10/19	TO15SIMVOL	75-34-3	1,1-Dichloroethane	0.034	J	0.022	0.067	ppbv	J	sp	<PQL			
4402582311	RISG-67-5.0-20191210	12/10/19	TO15SIMVOL	74-87-3	Chloromethane	0.048	J	0.04	1.7	ppbv	J	sp	<PQL			
4402582311	RISG-67-5.0-20191210	12/10/19	TO15VOL	75-69-4	Trichlorofluoromethane	0.32	J	0.069	0.34	ppbv	J	sp	<PQL			
4402582311	RISG-67-5.0-20191210	12/10/19	TO15VOL	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.080	J	0.066	0.34	ppbv	J	sp	<PQL			
4402582311	RISG-67-5.0-20191210	12/10/19	TO15VOL	75-27-4	Bromodichloromethane	0.17	J	0.12	0.34	ppbv	J	sp	<PQL			
4402582311	RISG-67-5.0-20191210	12/10/19	TO15VOL	78-93-3	2-Butanone	0.54	J	0.34	1.7	ppbv	J	sp	<PQL			
4402582311	RISG-67-15.0-20191211	12/11/19	TO15	75-69-4	Trichlorofluoromethane	1.6	J	0.95	4.6	ug/m3	J	sp	<PQL			
4402582311	RISG-67-15.0-20191211	12/11/19	TO15	95-63-6	1,2,4-Trimethylbenzene	1.2	J	0.88	4.0	ug/m3	J	sp	<PQL			
4402582311	RISG-67-15.0-20191211	12/11/19	TO15	67-64-1	Acetone	20		3.3	19	ug/m3	J+	l	LCS/LCSD %R	142,140	70-130	%
4402582311	RISG-67-15.0-20191211	12/11/19	TO15	622-96-8	4-Ethyltoluene	1.0	J	0.94	4.0	ug/m3	J	sp	<PQL			
4402582311	RISG-67-15.0-20191211	12/11/19	TO15	100-42-5	Styrene	0.68	J	0.38	3.5	ug/m3	J	sp	<PQL			
4402582311	RISG-67-15.0-20191211	12/11/19	TO15	64-17-5	Ethanol	17		1.6	7.7	ug/m3	J	c	ICAL %RSD	39.788	30	%
4402582311	RISG-67-15.0-20191211	12/11/19	TO15	109-99-9	Tetrahydrofuran	6.3	J	4.8	12	ug/m3	J	sp	<PQL			

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator	Qualification Finding	Acceptance Criteria	
4402582311	RISG-67-15.0-20191211	12/11/19	TO15	120-82-1	1,2,4-Trichlorobenzene		U	11	30	ug/m3	UJ	c	ICV %D	35.03	30	%
4402582311	RISG-67-15.0-20191211	12/11/19	TO15SIM	71-43-2	Benzene	0.98	J	0.77	1.3	ug/m3	J	sp	<PQL			
4402582311	RISG-67-15.0-20191211	12/11/19	TO15SIM	75-34-3	1,1-Dichloroethane	0.48	J	0.22	0.66	ug/m3	J	sp	<PQL			
4402582311	RISG-67-15.0-20191211	12/11/19	TO15SIM	74-87-3	Chloromethane	0.23	J	0.2	8.5	ug/m3	J+	l,sp	LCS/LCSD %R; <PQL	132,-	70-130	%
4402582311	RISG-67-15.0-20191211	12/11/19	TO15SIMVOL	71-43-2	Benzene	0.31	J	0.24	0.41	ppbv	J	sp	<PQL			
4402582311	RISG-67-15.0-20191211	12/11/19	TO15SIMVOL	75-34-3	1,1-Dichloroethane	0.12	J	0.055	0.16	ppbv	J	sp	<PQL			
4402582311	RISG-67-15.0-20191211	12/11/19	TO15SIMVOL	74-87-3	Chloromethane	0.11	J	0.098	4.1	ppbv	J+	l,sp	LCS/LCSD %R; <PQL	132,-	70-130	%
4402582311	RISG-67-15.0-20191211	12/11/19	TO15VOL	75-69-4	Trichlorofluoromethane	0.28	J	0.17	0.82	ppbv	J	sp	<PQL			
4402582311	RISG-67-15.0-20191211	12/11/19	TO15VOL	95-63-6	1,2,4-Trimethylbenzene	0.26	J	0.18	0.82	ppbv	J	sp	<PQL			
4402582311	RISG-67-15.0-20191211	12/11/19	TO15VOL	622-96-8	4-Ethyltoluene	0.21	J	0.19	0.82	ppbv	J	sp	<PQL			
4402582311	RISG-67-15.0-20191211	12/11/19	TO15VOL	109-99-9	Tetrahydrofuran	2.2	J	1.6	4.1	ppbv	J	sp	<PQL			
4402582311	RISG-67-15.0-20191211	12/11/19	TO15VOL	64-17-5	Ethanol	9.3		0.85	4.1	ppbv	J	c	ICAL %RSD	39.788	30	%
4402582311	RISG-67-15.0-20191211	12/11/19	TO15VOL	120-82-1	1,2,4-Trichlorobenzene		U	1.5	4.1	ppbv	UJ	c	ICV %D	35.03	30	%
4402582311	RISG-67-15.0-20191211	12/11/19	TO15VOL	67-64-1	Acetone	8.5		1.4	8.2	ppbv	J+	l	LCS/LCSD %R	142,140	70-130	%
4402582311	RISG-67-15.0-20191211	12/11/19	TO15VOL	100-42-5	Styrene	0.16	J	0.088	0.82	ppbv	J	sp	<PQL			
4402582311	RISG-68-5.0-20191210	12/10/19	TO15	108-88-3	Toluene	4.8	J	2.2	6.9	ug/m3	J	sp	<PQL			
4402582311	RISG-68-5.0-20191210	12/10/19	TO15	71-43-2	Benzene	2.5	J	1.9	5.8	ug/m3	J	sp	<PQL			
4402582311	RISG-68-5.0-20191210	12/10/19	TO15	78-93-3	2-Butanone	5.3	J	4.4	22	ug/m3	J	sp	<PQL			
4402582311	RISG-68-5.0-20191210	12/10/19	TO15	79-01-6	Trichloroethene	9.1	J	3.5	9.8	ug/m3	J	sp	<PQL			
4402582311	RISG-68-5.0-20191210	12/10/19	TO15	75-15-0	Carbon Disulfide	16	J	3.3	23	ug/m3	J	sp	<PQL			
4402582311	RISG-68-5.0-20191210	12/10/19	TO15VOL	108-88-3	Toluene	1.3	J	0.58	1.8	ppbv	J	sp	<PQL			
4402582311	RISG-68-5.0-20191210	12/10/19	TO15VOL	79-01-6	Trichloroethene	1.7	J	0.66	1.8	ppbv	J	sp	<PQL			
4402582311	RISG-68-5.0-20191210	12/10/19	TO15VOL	71-43-2	Benzene	0.79	J	0.58	1.8	ppbv	J	sp	<PQL			
4402582311	RISG-68-5.0-20191210	12/10/19	TO15VOL	75-15-0	Carbon Disulfide	5.2	J	1	7.3	ppbv	J	sp	<PQL			
4402582311	RISG-68-5.0-20191210	12/10/19	TO15VOL	78-93-3	2-Butanone	1.8	J	1.5	7.3	ppbv	J	sp	<PQL			
4402582311	RISG-68-15.0-20191210	12/10/19	TO15	67-64-1	Acetone	51	J	13	91	ug/m3	J	sp	<PQL			
4402582311	RISG-68-15.0-20191210	12/10/19	TO15	79-01-6	Trichloroethene	17	J	7.4	20	ug/m3	J	sp	<PQL			
4402582311	RISG-68-15.0-20191210	12/10/19	TO15VOL	79-01-6	Trichloroethene	3.2	J	1.4	3.8	ppbv	J	sp	<PQL			
4402582311	RISG-68-15.0-20191210	12/10/19	TO15VOL	67-64-1	Acetone	22	J	5.4	38	ppbv	J	sp	<PQL			
4402582311	RISG-68-15.0-20191210-FD	12/10/19	TO15	67-64-1	Acetone	34	J	13	91	ug/m3	J	sp	<PQL			
4402582311	RISG-68-15.0-20191210-FD	12/10/19	TO15	79-01-6	Trichloroethene	20	J	7.4	20	ug/m3	J	sp	<PQL			
4402582311	RISG-68-15.0-20191210-FD	12/10/19	TO15VOL	79-01-6	Trichloroethene	3.7	J	1.4	3.8	ppbv	J	sp	<PQL			
4402582311	RISG-68-15.0-20191210-FD	12/10/19	TO15VOL	67-64-1	Acetone	14	J	5.4	38	ppbv	J	sp	<PQL			
4402582311	RISG-70-5.0-20191210	12/10/19	TO15	67-64-1	Acetone	16	J	5.4	38	ug/m3	J	sp	<PQL			
4402582311	RISG-70-5.0-20191210	12/10/19	TO15	108-88-3	Toluene	3.1	J	1.9	6.0	ug/m3	J	sp	<PQL			
4402582311	RISG-70-5.0-20191210	12/10/19	TO15	79-01-6	Trichloroethene	5.2	J	3.1	8.6	ug/m3	J	sp	<PQL			
4402582311	RISG-70-5.0-20191210	12/10/19	TO15	71-43-2	Benzene	1.8	J	1.6	5.1	ug/m3	J	sp	<PQL			
4402582311	RISG-70-5.0-20191210	12/10/19	TO15	75-15-0	Carbon Disulfide	19	J	2.9	20	ug/m3	J	sp	<PQL			
4402582311	RISG-70-5.0-20191210	12/10/19	TO15VOL	79-01-6	Trichloroethene	0.97	J	0.57	1.6	ppbv	J	sp	<PQL			
4402582311	RISG-70-5.0-20191210	12/10/19	TO15VOL	108-88-3	Toluene	0.82	J	0.51	1.6	ppbv	J	sp	<PQL			
4402582311	RISG-70-5.0-20191210	12/10/19	TO15VOL	75-15-0	Carbon Disulfide	6.1	J	0.92	6.4	ppbv	J	sp	<PQL			
4402582311	RISG-70-5.0-20191210	12/10/19	TO15VOL	67-64-1	Acetone	7.0	J	2.3	16	ppbv	J	sp	<PQL			
4402582311	RISG-70-5.0-20191210	12/10/19	TO15VOL	71-43-2	Benzene	0.57	J	0.51	1.6	ppbv	J	sp	<PQL			
4402582311	RISG-70-15.0-20191210	12/10/19	TO15	67-64-1	Acetone	20	J	14	100	ug/m3	J	sp	<PQL			
4402582311	RISG-70-15.0-20191210	12/10/19	TO15	79-01-6	Trichloroethene	17	J	8.3	23	ug/m3	J	sp	<PQL			
4402582311	RISG-70-15.0-20191210	12/10/19	TO15VOL	79-01-6	Trichloroethene	3.1	J	1.5	4.3	ppbv	J	sp	<PQL			
4402582311	RISG-70-15.0-20191210	12/10/19	TO15VOL	67-64-1	Acetone	8.5	J	6.1	43	ppbv	J	sp	<PQL			
4402582311	RISG-71-5.0-20191211	12/11/19	TO15	67-64-1	Acetone	30	J	6.2	43	ug/m3	J	sp	<PQL			
4402582311	RISG-71-5.0-20191211	12/11/19	TO15	79-01-6	Trichloroethene	5.4	J	3.5	9.8	ug/m3	J	sp	<PQL			
4402582311	RISG-71-5.0-20191211	12/11/19	TO15	75-15-0	Carbon Disulfide	8.3	J	3.3	23	ug/m3	J	sp	<PQL			
4402582311	RISG-71-5.0-20191211	12/11/19	TO15	136777-61-2	m,p-xylene	2.2	J	2.1	7.9	ug/m3	J	sp	<PQL			
4402582311	RISG-71-5.0-20191211	12/11/19	TO15VOL	79-01-6	Trichloroethene	1.0	J	0.66	1.8	ppbv	J	sp	<PQL			
4402582311	RISG-71-5.0-20191211	12/11/19	TO15VOL	136777-61-2	m,p-xylene	0.50	J	0.47	1.8	ppbv	J	sp	<PQL			
4402582311	RISG-71-5.0-20191211	12/11/19	TO15VOL	67-64-1	Acetone	13	J	2.6	18	ppbv	J	sp	<PQL			
4402582311	RISG-71-5.0-20191211	12/11/19	TO15VOL	75-15-0	Carbon Disulfide	2.7	J	1	7.3	ppbv	J	sp	<PQL			
4402582311	RISG-71-5.0-20191211-FD	12/11/19	TO15	75-35-4	1,1-Dichloroethene	3.7	J	3.1	7.1	ug/m3	J	sp	<PQL			
4402582311	RISG-71-5.0-20191211-FD	12/11/19	TO15	67-64-1	Acetone	28	J	6	42	ug/m3	J	sp	<PQL			
4402582311	RISG-71-5.0-20191211-FD	12/11/19	TO15	79-01-6	Trichloroethene	5.0	J	3.4	9.6	ug/m3	J	sp	<PQL			
4402582311	RISG-71-5.0-20191211-FD	12/11/19	TO15	75-15-0	Carbon Disulfide	8.3	J	3.2	22	ug/m3	J	sp	<PQL			
4402582311	RISG-71-5.0-20191211-FD	12/11/19	TO15VOL	75-35-4	1,1-Dichloroethene	0.93	J	0.78	1.8	ppbv	J	sp	<PQL			
4402582311	RISG-71-5.0-20191211-FD	12/11/19	TO15VOL	75-15-0	Carbon Disulfide	2.7	J	1	7.1	ppbv	J	sp	<PQL			
4402582311	RISG-71-5.0-20191211-FD	12/11/19	TO15VOL	79-01-6	Trichloroethene	0.93	J	0.64	1.8	ppbv	J	sp	<PQL			
4402582311	RISG-71-5.0-20191211-FD	12/11/19	TO15VOL	67-64-1	Acetone	12	J	2.5	18	ppbv	J	sp	<PQL			
4402582311	RISG-71-15.0-20191211	12/11/19	TO15	67-64-1	Acetone	22	J	9.6	68	ug/m3	J	sp	<PQL			
4402582311	RISG-71-15.0-20191211	12/11/19	TO15	75-15-0	Carbon Disulfide	5.8	J	5.1	36	ug/m3	J	sp	<PQL			
4402582311	RISG-71-15.0-20191211	12/11/19	TO15	64-17-5	Ethanol	18	J	14	21	ug/m3	J	sp	<PQL			

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator	Qualification Finding	Acceptance Criteria	
4402582311	RISG-71-15.0-20191211	12/11/19	TO15	79-01-6	Trichloroethene	7.6	J	5.5	15	ug/m3	J	sp	<PQL			
4402582311	RISG-71-15.0-20191211	12/11/19	TO15VOL	79-01-6	Trichloroethene	1.4	J	1	2.8	ppbv	J	sp	<PQL			
4402582311	RISG-71-15.0-20191211	12/11/19	TO15VOL	75-15-0	Carbon Disulfide	1.8	J	1.6	11	ppbv	J	sp	<PQL			
4402582311	RISG-71-15.0-20191211	12/11/19	TO15VOL	64-17-5	Ethanol	9.5	J	7.7	11	ppbv	J	sp	<PQL			
4402582311	RISG-71-15.0-20191211	12/11/19	TO15VOL	67-64-1	Acetone	9.4	J	4	28	ppbv	J	sp	<PQL			
4402582311	RISG-73-5.0-20191209	12/09/19	TO15	75-15-0	Carbon Disulfide	3.6	J	1	6.1	ug/m3	J	sp	<PQL			
4402582311	RISG-73-5.0-20191209	12/09/19	TO15	120-82-1	1,2,4-Trichlorobenzene		U	5.3	14	ug/m3	UJ	c	ICV %D	35.03	30	%
4402582311	RISG-73-5.0-20191209	12/09/19	TO15	64-17-5	Ethanol	8.3		0.76	3.7	ug/m3	J	c	ICAL %RSD	39.788	30	%
4402582311	RISG-73-5.0-20191209	12/09/19	TO15	541-73-1	1,3-Dichlorobenzene	1.9	J	0.81	2.4	ug/m3	J	sp	<PQL			
4402582311	RISG-73-5.0-20191209	12/09/19	TO15	78-93-3	2-Butanone	2.1	J	1.2	5.8	ug/m3	J	sp	<PQL			
4402582311	RISG-73-5.0-20191209	12/09/19	TO15	75-69-4	Trichlorofluoromethane	1.2	J	0.45	2.2	ug/m3	J	sp	<PQL			
4402582311	RISG-73-5.0-20191209	12/09/19	TO15	67-64-1	Acetone	9.1	J	1.6	9.3	ug/m3	J	sp	<PQL			
4402582311	RISG-73-5.0-20191209	12/09/19	TO15	95-63-6	1,2,4-Trimethylbenzene	0.45	J	0.42	1.9	ug/m3	J	sp	<PQL			
4402582311	RISG-73-5.0-20191209	12/09/19	TO15SIM	100-41-4	Ethyl Benzene	0.24	J	0.22	0.34	ug/m3	J	sp	<PQL			
4402582311	RISG-73-5.0-20191209	12/09/19	TO15SIM	75-34-3	1,1-Dichloroethane	0.15	J	0.1	0.32	ug/m3	J	sp	<PQL			
4402582311	RISG-73-5.0-20191209	12/09/19	TO15SIMVOL	100-41-4	Ethyl Benzene	0.055	J	0.052	0.078	ppbv	J	sp	<PQL			
4402582311	RISG-73-5.0-20191209	12/09/19	TO15SIMVOL	75-34-3	1,1-Dichloroethane	0.037	J	0.026	0.078	ppbv	J	sp	<PQL			
4402582311	RISG-73-5.0-20191209	12/09/19	TO15VOL	75-69-4	Trichlorofluoromethane	0.21	J	0.081	0.39	ppbv	J	sp	<PQL			
4402582311	RISG-73-5.0-20191209	12/09/19	TO15VOL	75-15-0	Carbon Disulfide	1.2	J	0.34	2.0	ppbv	J	sp	<PQL			
4402582311	RISG-73-5.0-20191209	12/09/19	TO15VOL	95-63-6	1,2,4-Trimethylbenzene	0.091	J	0.085	0.39	ppbv	J	sp	<PQL			
4402582311	RISG-73-5.0-20191209	12/09/19	TO15VOL	64-17-5	Ethanol	4.4		0.4	2.0	ppbv	J	c	ICAL %RSD	39.788	30	%
4402582311	RISG-73-5.0-20191209	12/09/19	TO15VOL	67-64-1	Acetone	3.8	J	0.66	3.9	ppbv	J	sp	<PQL			
4402582311	RISG-73-5.0-20191209	12/09/19	TO15VOL	78-93-3	2-Butanone	0.70	J	0.4	2.0	ppbv	J	sp	<PQL			
4402582311	RISG-73-5.0-20191209	12/09/19	TO15VOL	120-82-1	1,2,4-Trichlorobenzene		U	0.71	2.0	ppbv	UJ	c	ICV %D	35.03	30	%
4402582311	RISG-73-5.0-20191209	12/09/19	TO15VOL	541-73-1	1,3-Dichlorobenzene	0.32	J	0.13	0.39	ppbv	J	sp	<PQL			
4402582311	RISG-73-15.0-20191209	12/09/19	TO15	75-09-2	Methylene Chloride	2.1	J	0.9	6.2	ug/m3	J	sp	<PQL			
4402582311	RISG-73-15.0-20191209	12/09/19	TO15	120-82-1	1,2,4-Trichlorobenzene		U	12	33	ug/m3	UJ	c	ICV %D	35.03	30	%
4402582311	RISG-73-15.0-20191209	12/09/19	TO15	75-69-4	Trichlorofluoromethane	1.3	J	1	5.0	ug/m3	J	sp	<PQL			
4402582311	RISG-73-15.0-20191209	12/09/19	TO15	541-73-1	1,3-Dichlorobenzene	2.4	J	1.8	5.4	ug/m3	J	sp	<PQL			
4402582311	RISG-73-15.0-20191209	12/09/19	TO15	64-17-5	Ethanol	17		1.7	8.4	ug/m3	J	c	ICAL %RSD	39.788	30	%
4402582311	RISG-73-15.0-20191209	12/09/19	TO15SIM	75-34-3	1,1-Dichloroethane	0.46	J	0.24	0.72	ug/m3	J	sp	<PQL			
4402582311	RISG-73-15.0-20191209	12/09/19	TO15SIM	74-87-3	Chloromethane	0.58	J	0.22	9.2	ug/m3	J	sp	<PQL			
4402582311	RISG-73-15.0-20191209	12/09/19	TO15SIMVOL	75-34-3	1,1-Dichloroethane	0.11	J	0.06	0.18	ppbv	J	sp	<PQL			
4402582311	RISG-73-15.0-20191209	12/09/19	TO15SIMVOL	74-87-3	Chloromethane	0.28	J	0.11	4.5	ppbv	J	sp	<PQL			
4402582311	RISG-73-15.0-20191209	12/09/19	TO15VOL	541-73-1	1,3-Dichlorobenzene	0.39	J	0.31	0.90	ppbv	J	sp	<PQL			
4402582311	RISG-73-15.0-20191209	12/09/19	TO15VOL	64-17-5	Ethanol	9.0		0.93	4.5	ppbv	J	c	ICAL %RSD	39.788	30	%
4402582311	RISG-73-15.0-20191209	12/09/19	TO15VOL	75-69-4	Trichlorofluoromethane	0.24	J	0.18	0.90	ppbv	J	sp	<PQL			
4402582311	RISG-73-15.0-20191209	12/09/19	TO15VOL	75-09-2	Methylene Chloride	0.60	J	0.26	1.8	ppbv	J	sp	<PQL			
4402582311	RISG-73-15.0-20191209	12/09/19	TO15VOL	120-82-1	1,2,4-Trichlorobenzene		U	1.6	4.5	ppbv	UJ	c	ICV %D	35.03	30	%
4402582551	RISG-59-5.0-20191213	12/13/19	D1946	7440-59-7	HELIUM		U		0.094	%	UJ	h	Holding time	33	30	days
4402582551	RISG-59-5.0-20191213	12/13/19	TO15	67-64-1	Acetone	21	J	12	44	ug/m3	J	sp	<PQL			
4402582551	RISG-59-5.0-20191213	12/13/19	TO15	75-15-0	Carbon Disulfide	12	J	6.7	29	ug/m3	J	sp	<PQL			
4402582551	RISG-59-5.0-20191213	12/13/19	TO15	591-78-6	2-Hexanone		U	3.2	38	ug/m3	UJ	c	ICAL %RSD	32.612	30	%
4402582551	RISG-59-5.0-20191213	12/13/19	TO15	622-96-8	4-Ethyltoluene		U	2.5	9.2	ug/m3	UJ	c	ICAL %RSD	36.54	30	%
4402582551	RISG-59-5.0-20191213	12/13/19	TO15	64-17-5	Ethanol	7.4	J	3.8	18	ug/m3	J+	c,sp	ICV %D; <PQL	37.6	30	%
4402582551	RISG-59-5.0-20191213	12/13/19	TO15	95-50-1	1,2-Dichlorobenzene		U	7.6	11	ug/m3	UJ	c	ICAL %RSD	30.423	30	%
4402582551	RISG-59-5.0-20191213	12/13/19	TO15SIM	100-41-4	Ethyl Benzene	0.74	J	0.22	1.6	ug/m3	J	sp	<PQL			
4402582551	RISG-59-5.0-20191213	12/13/19	TO15SIM	136777-61-2	m,p-xylene	2.2	J	0.16	3.2	ug/m3	J	bl,bb,sp	blank contamination below PQL; <PQL	0.034	0.068	ug/m³
4402582551	RISG-59-5.0-20191213	12/13/19	TO15SIM	95-47-6	ortho-xylene	0.93	J	0.17	1.6	ug/m3	J	sp	<PQL			
4402582551	RISG-59-5.0-20191213	12/13/19	TO15SIM	71-43-2	Benzene	2.4	J	0.48	3.0	ug/m3	J	sp	<PQL			
4402582551	RISG-59-5.0-20191213	12/13/19	TO15SIM	106-46-7	1,4-Dichlorobenzene		UJ	1.5	2.2	ug/m3	UJ	c	ICAL %RSD; CCV %D	36.211; 32.53226	30	%
4402582551	RISG-59-5.0-20191213	12/13/19	TO15SIM	156-59-2	cis-1,2-Dichloroethene	0.38	J	0.25	1.5	ug/m3	J	sp	<PQL			
4402582551	RISG-59-5.0-20191213	12/13/19	TO15SIMVOL	95-47-6	ortho-xylene	0.21	J	0.038	0.37	ppbv	J	sp	<PQL			
4402582551	RISG-59-5.0-20191213	12/13/19	TO15SIMVOL	136777-61-2	m,p-xylene	0.52	J	0.038	0.75	ppbv	J	bl,bb,sp	blank contamination below PQL; <PQL	0.034	0.068	ug/m³
4402582551	RISG-59-5.0-20191213	12/13/19	TO15SIMVOL	106-46-7	1,4-Dichlorobenzene		UJ	0.25	0.37	ppbv	UJ	c	ICAL %RSD; CCV %D	36.211; 32.53226	30	%
4402582551	RISG-59-5.0-20191213	12/13/19	TO15SIMVOL	100-41-4	Ethyl Benzene	0.17	J	0.05	0.37	ppbv	J	sp	<PQL			
4402582551	RISG-59-5.0-20191213	12/13/19	TO15SIMVOL	156-59-2	cis-1,2-Dichloroethene	0.097	J	0.063	0.37	ppbv	J	sp	<PQL			
4402582551	RISG-59-5.0-20191213	12/13/19	TO15SIMVOL	71-43-2	Benzene	0.76	J	0.15	0.94	ppbv	J	sp	<PQL			
4402582551	RISG-59-5.0-20191213	12/13/19	TO15VOL	95-50-1	1,2-Dichlorobenzene		U	1.3	1.9	ppbv	UJ	c	ICAL %RSD	30.423	30	%
4402582551	RISG-59-5.0-20191213	12/13/19	TO15VOL	75-15-0	Carbon Disulfide	3.8	J	2.2	9.4	ppbv	J	sp	<PQL			
4402582551	RISG-59-5.0-20191213	12/13/19	TO15VOL	591-78-6	2-Hexanone		U	0.8	9.4	ppbv	UJ	c	ICAL %RSD	32.612	30	%
4402582551	RISG-59-5.0-20191213	12/13/19	TO15VOL	622-96-8	4-Ethyltoluene		U	0.5	1.9	ppbv	UJ	c	ICAL %RSD	36.54	30	%
4402582551	RISG-59-5.0-20191213	12/13/19	TO15VOL	64-17-5	Ethanol	3.9	J	2	9.4	ppbv	J+	c,sp	ICV %D; <PQL	37.6	30	%
4402582551	RISG-59-5.0-20191213	12/13/19	TO15VOL	67-64-1	Acetone	8.9	J	5.2	19	ppbv	J	sp	<PQL			
4402582551	RISG-60-5.0-20191213	12/13/19	D1946	7440-59-7	HELIUM		U		0.090	%	UJ	h	Holding time	33	30	days
4402582551	RISG-60-5.0-20191213	12/13/19	TO15	78-93-3	2-Butanone	3.7	J	2.5	22	ug/m3	J	sp	<PQL			

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator	Qualification Finding	Acceptance Criteria	
4402582551	RISG-60-5.0-20191213	12/13/19	TO15	622-96-8	4-Ethyltoluene	4.0	J	2	7.3	ug/m3	J	c,sp	ICAL %RSD; <PQL	36.54	30	%
4402582551	RISG-60-5.0-20191213	12/13/19	TO15	75-69-4	Trichlorofluoromethane	1.5	J	1.5	8.4	ug/m3	J	sp	<PQL			
4402582551	RISG-60-5.0-20191213	12/13/19	TO15	64-17-5	Ethanol	21		3	14	ug/m3	J+	c	ICV %D	37.6	30	%
4402582551	RISG-60-5.0-20191213	12/13/19	TO15	591-78-6	2-Hexanone		U	2.6	30	ug/m3	UJ	c	ICAL %RSD	32.612	30	%
4402582551	RISG-60-5.0-20191213	12/13/19	TO15	95-50-1	1,2-Dichlorobenzene		U	6	9.0	ug/m3	UJ	c	ICAL %RSD	30.423	30	%
4402582551	RISG-60-5.0-20191213	12/13/19	TO15	95-63-6	1,2,4-Trimethylbenzene	3.6	J	2.1	7.3	ug/m3	J	sp	<PQL			
4402582551	RISG-60-5.0-20191213	12/13/19	TO15	67-64-1	Acetone	30	J	9.8	35	ug/m3	J	sp	<PQL			
4402582551	RISG-60-5.0-20191213	12/13/19	TO15SIM	91-20-3	Naphthalene	0.76	J	0.48	3.9	ug/m3	J	bl,bb,sp	blank contamination below PQL; <PQL	0.086	0.172	ug/m³
4402582551	RISG-60-5.0-20191213	12/13/19	TO15SIM	74-87-3	Chloromethane	0.35	J	0.32	15	ug/m3	J	sp	<PQL			
4402582551	RISG-60-5.0-20191213	12/13/19	TO15SIM	71-43-2	Benzene	0.96	J	0.38	2.4	ug/m3	J	sp	<PQL			
4402582551	RISG-60-5.0-20191213	12/13/19	TO15SIM	106-46-7	1,4-Dichlorobenzene		UJ	1.2	1.8	ug/m3	UJ	c	ICAL %RSD; CCV %D	36.211; 32.53226	30	%
4402582551	RISG-60-5.0-20191213	12/13/19	TO15SIM	75-34-3	1,1-Dichloroethane	0.47	J	0.2	1.2	ug/m3	J	sp	<PQL			
4402582551	RISG-60-5.0-20191213	12/13/19	TO15SIMVOL	91-20-3	Naphthalene	0.14	J	0.091	0.74	ppbv	J	bl,bb,sp	blank contamination below PQL; <PQL	0.086	0.172	ug/m³
4402582551	RISG-60-5.0-20191213	12/13/19	TO15SIMVOL	106-46-7	1,4-Dichlorobenzene		UJ	0.2	0.30	ppbv	UJ	c	ICAL %RSD; CCV %D	36.211; 32.53226	30	%
4402582551	RISG-60-5.0-20191213	12/13/19	TO15SIMVOL	75-34-3	1,1-Dichloroethane	0.12	J	0.05	0.30	ppbv	J	sp	<PQL			
4402582551	RISG-60-5.0-20191213	12/13/19	TO15SIMVOL	74-87-3	Chloromethane	0.17	J	0.16	7.4	ppbv	J	sp	<PQL			
4402582551	RISG-60-5.0-20191213	12/13/19	TO15SIMVOL	71-43-2	Benzene	0.30	J	0.12	0.74	ppbv	J	sp	<PQL			
4402582551	RISG-60-5.0-20191213	12/13/19	TO15VOL	95-50-1	1,2-Dichlorobenzene		U	1	1.5	ppbv	UJ	c	ICAL %RSD	30.423	30	%
4402582551	RISG-60-5.0-20191213	12/13/19	TO15VOL	75-69-4	Trichlorofluoromethane	0.27	J	0.26	1.5	ppbv	J	sp	<PQL			
4402582551	RISG-60-5.0-20191213	12/13/19	TO15VOL	622-96-8	4-Ethyltoluene	0.81	J	0.4	1.5	ppbv	J	c,sp	ICAL %RSD; <PQL	36.54	30	%
4402582551	RISG-60-5.0-20191213	12/13/19	TO15VOL	95-63-6	1,2,4-Trimethylbenzene	0.73	J	0.43	1.5	ppbv	J	sp	<PQL			
4402582551	RISG-60-5.0-20191213	12/13/19	TO15VOL	64-17-5	Ethanol	11		1.6	7.4	ppbv	J+	c	ICV %D	37.6	30	%
4402582551	RISG-60-5.0-20191213	12/13/19	TO15VOL	67-64-1	Acetone	13	J	4.1	15	ppbv	J	sp	<PQL			
4402582551	RISG-60-5.0-20191213	12/13/19	TO15VOL	78-93-3	2-Butanone	1.3	J	0.84	7.4	ppbv	J	sp	<PQL			
4402582551	RISG-60-5.0-20191213	12/13/19	TO15VOL	591-78-6	2-Hexanone		U	0.63	7.4	ppbv	UJ	c	ICAL %RSD	32.612	30	%
4402582551	RISG-61-5.0-20191216	12/16/19	TO15	100-42-5	Styrene	0.28	J	0.12	0.87	ug/m3	J	sp	<PQL			
4402582551	RISG-61-5.0-20191216	12/16/19	TO15	75-15-0	Carbon Disulfide	3.1	J	0.74	3.2	ug/m3	J	sp	<PQL			
4402582551	RISG-61-5.0-20191216	12/16/19	TO15	622-96-8	4-Ethyltoluene	1.0		0.27	1.0	ug/m3	J	c	ICAL %RSD	36.54	30	%
4402582551	RISG-61-5.0-20191216	12/16/19	TO15	591-78-6	2-Hexanone		U	0.36	4.2	ug/m3	UJ	c	ICAL %RSD	32.612	30	%
4402582551	RISG-61-5.0-20191216	12/16/19	TO15	78-93-3	2-Butanone	2.3	J	0.34	3.0	ug/m3	J	sp	<PQL			
4402582551	RISG-61-5.0-20191216	12/16/19	TO15	109-99-9	Tetrahydrofuran	0.55	J	0.39	3.0	ug/m3	J	sp	<PQL			
4402582551	RISG-61-5.0-20191216	12/16/19	TO15	108-10-1	4-Methyl-2-pentanone	0.42	J	0.26	0.84	ug/m3	J	sp	<PQL			
4402582551	RISG-61-5.0-20191216	12/16/19	TO15	110-82-7	Cyclohexane	0.43	J	0.26	0.70	ug/m3	J	sp	<PQL			
4402582551	RISG-61-5.0-20191216	12/16/19	TO15	64-17-5	Ethanol	11		0.41	1.9	ug/m3	J+	c	ICV %D	37.6	30	%
4402582551	RISG-61-5.0-20191216	12/16/19	TO15	108-67-8	1,3,5-Trimethylbenzene	0.40	J	0.25	1.0	ug/m3	J	sp	<PQL			
4402582551	RISG-61-5.0-20191216	12/16/19	TO15	110-54-3	n-Hexane	0.73	J	0.46	3.6	ug/m3	J	sp	<PQL			
4402582551	RISG-61-5.0-20191216	12/16/19	TO15	95-50-1	1,2-Dichlorobenzene		U	0.83	1.2	ug/m3	UJ	c	ICAL %RSD	30.423	30	%
4402582551	RISG-61-5.0-20191216	12/16/19	TO15	142-82-5	n-Heptane	1.4	J	0.38	4.2	ug/m3	J	sp	<PQL			
4402582551	RISG-61-5.0-20191216	12/16/19	TO15SIM	74-87-3	Chloromethane	0.11	J	0.044	2.1	ug/m3	J	sp	<PQL			
4402582551	RISG-61-5.0-20191216	12/16/19	TO15SIM	75-00-3	Chloroethane	0.078	J	0.02	0.27	ug/m3	J	sp	<PQL			
4402582551	RISG-61-5.0-20191216	12/16/19	TO15SIM	106-46-7	1,4-Dichlorobenzene	0.18	J	0.17	0.25	ug/m3	J	bl,bb,c,sp	blank contamination below PQL; ICAL %RSD; CCV %	.10; 36.211; 32.53226	.20; 30	ug/m³; %
4402582551	RISG-61-5.0-20191216	12/16/19	TO15SIM	79-01-6	Trichloroethene	0.11	J	0.059	0.22	ug/m3	J	sp	<PQL			
4402582551	RISG-61-5.0-20191216	12/16/19	TO15SIMVOL	74-87-3	Chloromethane	0.052	J	0.021	1.0	ppbv	J	sp	<PQL			
4402582551	RISG-61-5.0-20191216	12/16/19	TO15SIMVOL	106-46-7	1,4-Dichlorobenzene	0.030	J	0.028	0.041	ppbv	J	bl,bb,c,sp	blank contamination below PQL; ICAL %RSD; CCV %	.10; 36.211; 32.53226	.20; 30	ug/m³; %
4402582551	RISG-61-5.0-20191216	12/16/19	TO15SIMVOL	75-00-3	Chloroethane	0.030	J	0.0077	0.10	ppbv	J	sp	<PQL			
4402582551	RISG-61-5.0-20191216	12/16/19	TO15SIMVOL	79-01-6	Trichloroethene	0.020	J	0.011	0.041	ppbv	J	sp	<PQL			
4402582551	RISG-61-5.0-20191216	12/16/19	TO15VOL	75-15-0	Carbon Disulfide	1.0	J	0.24	1.0	ppbv	J	sp	<PQL			
4402582551	RISG-61-5.0-20191216	12/16/19	TO15VOL	108-67-8	1,3,5-Trimethylbenzene	0.082	J	0.052	0.20	ppbv	J	sp	<PQL			
4402582551	RISG-61-5.0-20191216	12/16/19	TO15VOL	110-82-7	Cyclohexane	0.12	J	0.075	0.20	ppbv	J	sp	<PQL			
4402582551	RISG-61-5.0-20191216	12/16/19	TO15VOL	78-93-3	2-Butanone	0.79	J	0.12	1.0	ppbv	J	sp	<PQL			
4402582551	RISG-61-5.0-20191216	12/16/19	TO15VOL	142-82-5	n-Heptane	0.34	J	0.094	1.0	ppbv	J	sp	<PQL			
4402582551	RISG-61-5.0-20191216	12/16/19	TO15VOL	95-50-1	1,2-Dichlorobenzene		U	0.14	0.20	ppbv	UJ	c	ICAL %RSD	30.423	30	%
4402582551	RISG-61-5.0-20191216	12/16/19	TO15VOL	622-96-8	4-Ethyltoluene	0.21		0.055	0.20	ppbv	J	c	ICAL %RSD	36.54	30	%
4402582551	RISG-61-5.0-20191216	12/16/19	TO15VOL	109-99-9	Tetrahydrofuran	0.19	J	0.13	1.0	ppbv	J	sp	<PQL			
4402582551	RISG-61-5.0-20191216	12/16/19	TO15VOL	64-17-5	Ethanol	5.9		0.22	1.0	ppbv	J+	c	ICV %D	37.6	30	%
4402582551	RISG-61-5.0-20191216	12/16/19	TO15VOL	108-10-1	4-Methyl-2-pentanone	0.10	J	0.063	0.20	ppbv	J	sp	<PQL			
4402582551	RISG-61-5.0-20191216	12/16/19	TO15VOL	100-42-5	Styrene	0.066	J	0.029	0.20	ppbv	J	sp	<PQL			
4402582551	RISG-61-5.0-20191216	12/16/19	TO15VOL	110-54-3	n-Hexane	0.21	J	0.13	1.0	ppbv	J	sp	<PQL			
4402582551	RISG-61-5.0-20191216	12/16/19	TO15VOL	591-78-6	2-Hexanone		U	0.087	1.0	ppbv	UJ	c	ICAL %RSD	32.612	30	%
4402582551	RISG-61-5.0-20191216-FD	12/16/19	TO15	142-82-5	n-Heptane	1.7	J	0.38	4.1	ug/m3	J	sp	<PQL			
4402582551	RISG-61-5.0-20191216-FD	12/16/19	TO15	78-93-3	2-Butanone	1.5	J	0.33	3.0	ug/m3	J	sp	<PQL			
4402582551	RISG-61-5.0-20191216-FD	12/16/19	TO15	100-42-5	Styrene	0.13	J	0.12	0.86	ug/m3	J	sp	<PQL			
4402582551	RISG-61-5.0-20191216-FD	12/16/19	TO15	110-54-3	n-Hexane	0.75	J	0.45	3.5	ug/m3	J	sp	<PQL			
4402582551	RISG-61-5.0-20191216-FD	12/16/19	TO15	110-82-7	Cyclohexane	0.50	J	0.25	0.69	ug/m3	J	sp	<PQL			
4402582551	RISG-61-5.0-20191216-FD	12/16/19	TO15	64-17-5	Ethanol	5.7		0.4	1.9	ug/m3	J+	c	ICV %D	37.6	30	%
4402582551	RISG-61-5.0-20191216-FD	12/16/19	TO15	109-99-9	Tetrahydrofuran	0.44	J	0.39	3.0	ug/m3	J	sp	<PQL			

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator	Qualification Finding	Acceptance Criteria
4402582551	RISG-61-5.0-20191216-FD	12/16/19	TO15	622-96-8	4-Ethyltoluene	0.74	J	0.26	0.99	ug/m3	J	c,sp	ICAL %RSD; <PQL	36.54	30 %
4402582551	RISG-61-5.0-20191216-FD	12/16/19	TO15	591-78-6	2-Hexanone		U	0.35	4.1	ug/m3	UJ	c	ICAL %RSD	32.612	30 %
4402582551	RISG-61-5.0-20191216-FD	12/16/19	TO15	95-63-6	1,2,4-Trimethylbenzene	0.89	J	0.29	0.99	ug/m3	J	sp	<PQL		
4402582551	RISG-61-5.0-20191216-FD	12/16/19	TO15	108-10-1	4-Methyl-2-pentanone	0.37	J	0.25	0.82	ug/m3	J	sp	<PQL		
4402582551	RISG-61-5.0-20191216-FD	12/16/19	TO15	95-50-1	1,2-Dichlorobenzene		U	0.82	1.2	ug/m3	UJ	c	ICAL %RSD	30.423	30 %
4402582551	RISG-61-5.0-20191216-FD	12/16/19	TO15SIM	91-20-3	Naphthalene	0.30	J	0.064	0.53	ug/m3	J	bl,bb,sp	blank contamination below PQL; <PQL	0.086	0.172 ug/m³
4402582551	RISG-61-5.0-20191216-FD	12/16/19	TO15SIM	79-01-6	Trichloroethene	0.10	J	0.058	0.22	ug/m3	J	sp	<PQL		
4402582551	RISG-61-5.0-20191216-FD	12/16/19	TO15SIM	106-46-7	1,4-Dichlorobenzene	0.22	J	0.16	0.24	ug/m3	J	bl,bb,c,sp	blank contamination below PQL; ICAL %RSD; CCV	.10; 36.211; 32.53226	.20; 30 ug/m³; %
4402582551	RISG-61-5.0-20191216-FD	12/16/19	TO15SIM	75-00-3	Chloroethane	0.077	J	0.02	0.26	ug/m3	J	sp	<PQL		
4402582551	RISG-61-5.0-20191216-FD	12/16/19	TO15SIMVOL	91-20-3	Naphthalene	0.056	J	0.012	0.10	ppbv	J	bl,bb,sp	blank contamination below PQL; <PQL	0.086	0.172 ug/m³
4402582551	RISG-61-5.0-20191216-FD	12/16/19	TO15SIMVOL	79-01-6	Trichloroethene	0.019	J	0.011	0.040	ppbv	J	sp	<PQL		
4402582551	RISG-61-5.0-20191216-FD	12/16/19	TO15SIMVOL	75-00-3	Chloroethane	0.029	J	0.0076	0.10	ppbv	J	sp	<PQL		
4402582551	RISG-61-5.0-20191216-FD	12/16/19	TO15SIMVOL	106-46-7	1,4-Dichlorobenzene	0.037	J	0.027	0.040	ppbv	J	bl,bb,c,sp	blank contamination below PQL; ICAL %RSD; CCV	.10; 36.211; 32.53226	.20; 30 ug/m³; %
4402582551	RISG-61-5.0-20191216-FD	12/16/19	TO15VOL	95-63-6	1,2,4-Trimethylbenzene	0.18	J	0.058	0.20	ppbv	J	sp	<PQL		
4402582551	RISG-61-5.0-20191216-FD	12/16/19	TO15VOL	109-99-9	Tetrahydrofuran	0.15	J	0.13	1.0	ppbv	J	sp	<PQL		
4402582551	RISG-61-5.0-20191216-FD	12/16/19	TO15VOL	110-54-3	n-Hexane	0.21	J	0.13	1.0	ppbv	J	sp	<PQL		
4402582551	RISG-61-5.0-20191216-FD	12/16/19	TO15VOL	95-50-1	1,2-Dichlorobenzene		U	0.14	0.20	ppbv	UJ	c	ICAL %RSD	30.423	30 %
4402582551	RISG-61-5.0-20191216-FD	12/16/19	TO15VOL	622-96-8	4-Ethyltoluene	0.15	J	0.054	0.20	ppbv	J	c,sp	ICAL %RSD; <PQL	36.54	30 %
4402582551	RISG-61-5.0-20191216-FD	12/16/19	TO15VOL	64-17-5	Ethanol	3.0		0.22	1.0	ppbv	J+	c	ICV %D	37.6	30 %
4402582551	RISG-61-5.0-20191216-FD	12/16/19	TO15VOL	110-82-7	Cyclohexane	0.14	J	0.074	0.20	ppbv	J	sp	<PQL		
4402582551	RISG-61-5.0-20191216-FD	12/16/19	TO15VOL	100-42-5	Styrene	0.031	J	0.028	0.20	ppbv	J	sp	<PQL		
4402582551	RISG-61-5.0-20191216-FD	12/16/19	TO15VOL	78-93-3	2-Butanone	0.50	J	0.11	1.0	ppbv	J	sp	<PQL		
4402582551	RISG-61-5.0-20191216-FD	12/16/19	TO15VOL	591-78-6	2-Hexanone		U	0.086	1.0	ppbv	UJ	c	ICAL %RSD	32.612	30 %
4402582551	RISG-61-5.0-20191216-FD	12/16/19	TO15VOL	142-82-5	n-Heptane	0.41	J	0.092	1.0	ppbv	J	sp	<PQL		
4402582551	RISG-61-5.0-20191216-FD	12/16/19	TO15VOL	108-10-1	4-Methyl-2-pentanone	0.090	J	0.062	0.20	ppbv	J	sp	<PQL		
4402582551	RISG-62-5.0-20191213	12/13/19	D1946	7440-59-7	HELIUM		U		0.084	%	UJ	h	Holding time	33	30 days
4402582551	RISG-62-5.0-20191213	12/13/19	TO15	64-17-5	Ethanol	9.7		1.7	7.9	ug/m3	J+	c	ICV %D	37.6	30 %
4402582551	RISG-62-5.0-20191213	12/13/19	TO15	142-82-5	n-Heptane	1.8	J	1.6	17	ug/m3	J	sp	<PQL		
4402582551	RISG-62-5.0-20191213	12/13/19	TO15	78-93-3	2-Butanone	1.9	J	1.4	12	ug/m3	J	sp	<PQL		
4402582551	RISG-62-5.0-20191213	12/13/19	TO15	67-64-1	Acetone	14	J	5.5	20	ug/m3	J	sp	<PQL		
4402582551	RISG-62-5.0-20191213	12/13/19	TO15	95-50-1	1,2-Dichlorobenzene		U	3.4	5.0	ug/m3	UJ	c	ICAL %RSD	30.423	30 %
4402582551	RISG-62-5.0-20191213	12/13/19	TO15	591-78-6	2-Hexanone		U	1.5	17	ug/m3	UJ	c	ICAL %RSD	32.612	30 %
4402582551	RISG-62-5.0-20191213	12/13/19	TO15	75-69-4	Trichlorofluoromethane	1.2	J	0.82	4.7	ug/m3	J	sp	<PQL		
4402582551	RISG-62-5.0-20191213	12/13/19	TO15	75-15-0	Carbon Disulfide	9.0	J	3	13	ug/m3	J	sp	<PQL		
4402582551	RISG-62-5.0-20191213	12/13/19	TO15	622-96-8	4-Ethyltoluene	1.8	J	1.1	4.1	ug/m3	J	c,sp	ICAL %RSD; <PQL	36.54	30 %
4402582551	RISG-62-5.0-20191213	12/13/19	TO15SIM	75-35-4	1,1-Dichloroethene	0.20	J	0.096	0.33	ug/m3	J	sp	<PQL		
4402582551	RISG-62-5.0-20191213	12/13/19	TO15SIM	75-00-3	Chloroethane	0.12	J	0.084	1.1	ug/m3	J	sp	<PQL		
4402582551	RISG-62-5.0-20191213	12/13/19	TO15SIM	106-46-7	1,4-Dichlorobenzene		UJ	0.68	1.0	ug/m3	UJ	c	ICAL %RSD; CCV %D	36.211; 32.53226	30 %
4402582551	RISG-62-5.0-20191213	12/13/19	TO15SIM	75-34-3	1,1-Dichloroethane	0.45	J	0.11	0.68	ug/m3	J	sp	<PQL		
4402582551	RISG-62-5.0-20191213	12/13/19	TO15SIMVOL	75-35-4	1,1-Dichloroethene	0.052	J	0.024	0.084	ppbv	J	sp	<PQL		
4402582551	RISG-62-5.0-20191213	12/13/19	TO15SIMVOL	106-46-7	1,4-Dichlorobenzene		UJ	0.11	0.17	ppbv	UJ	c	ICAL %RSD; CCV %D	36.211; 32.53226	30 %
4402582551	RISG-62-5.0-20191213	12/13/19	TO15SIMVOL	75-00-3	Chloroethane	0.046	J	0.032	0.42	ppbv	J	sp	<PQL		
4402582551	RISG-62-5.0-20191213	12/13/19	TO15SIMVOL	75-34-3	1,1-Dichloroethane	0.11	J	0.028	0.17	ppbv	J	sp	<PQL		
4402582551	RISG-62-5.0-20191213	12/13/19	TO15VOL	622-96-8	4-Ethyltoluene	0.37	J	0.22	0.84	ppbv	J	c,sp	ICAL %RSD; <PQL	36.54	30 %
4402582551	RISG-62-5.0-20191213	12/13/19	TO15VOL	75-69-4	Trichlorofluoromethane	0.22	J	0.15	0.84	ppbv	J	sp	<PQL		
4402582551	RISG-62-5.0-20191213	12/13/19	TO15VOL	95-50-1	1,2-Dichlorobenzene		U	0.57	0.84	ppbv	UJ	c	ICAL %RSD	30.423	30 %
4402582551	RISG-62-5.0-20191213	12/13/19	TO15VOL	64-17-5	Ethanol	5.1		0.9	4.2	ppbv	J+	c	ICV %D	37.6	30 %
4402582551	RISG-62-5.0-20191213	12/13/19	TO15VOL	142-82-5	n-Heptane	0.44	J	0.38	4.2	ppbv	J	sp	<PQL		
4402582551	RISG-62-5.0-20191213	12/13/19	TO15VOL	67-64-1	Acetone	5.9	J	2.3	8.4	ppbv	J	sp	<PQL		
4402582551	RISG-62-5.0-20191213	12/13/19	TO15VOL	75-15-0	Carbon Disulfide	2.9	J	0.97	4.2	ppbv	J	sp	<PQL		
4402582551	RISG-62-5.0-20191213	12/13/19	TO15VOL	591-78-6	2-Hexanone		U	0.36	4.2	ppbv	UJ	c	ICAL %RSD	32.612	30 %
4402582551	RISG-62-5.0-20191213	12/13/19	TO15VOL	78-93-3	2-Butanone	0.66	J	0.47	4.2	ppbv	J	sp	<PQL		
4402582551	RISG-62-15.0-20191213	12/13/19	D1946	7440-59-7	HELIUM		U		0.088	%	UJ	h	Holding time	33	30 days
4402582551	RISG-62-15.0-20191213	12/13/19	TO15	64-17-5	Ethanol	29		3.5	16	ug/m3	J+	c	ICV %D	37.6	30 %
4402582551	RISG-62-15.0-20191213	12/13/19	TO15	95-63-6	1,2,4-Trimethylbenzene	4.7	J	2.5	8.6	ug/m3	J	sp	<PQL		
4402582551	RISG-62-15.0-20191213	12/13/19	TO15	95-50-1	1,2-Dichlorobenzene		U	7.1	10	ug/m3	UJ	c	ICAL %RSD	30.423	30 %
4402582551	RISG-62-15.0-20191213	12/13/19	TO15	591-78-6	2-Hexanone		U	3	36	ug/m3	UJ	c	ICAL %RSD	32.612	30 %
4402582551	RISG-62-15.0-20191213	12/13/19	TO15	622-96-8	4-Ethyltoluene	6.2	J	2.3	8.6	ug/m3	J	c,sp	ICAL %RSD; <PQL	36.54	30 %
4402582551	RISG-62-15.0-20191213	12/13/19	TO15SIM	106-46-7	1,4-Dichlorobenzene		UJ	1.4	2.1	ug/m3	UJ	c	ICAL %RSD; CCV %D	36.211; 32.53226	30 %
4402582551	RISG-62-15.0-20191213	12/13/19	TO15SIM	75-34-3	1,1-Dichloroethane	1.2	J	0.24	1.4	ug/m3	J	sp	<PQL		
4402582551	RISG-62-15.0-20191213	12/13/19	TO15SIMVOL	75-34-3	1,1-Dichloroethane	0.30	J	0.058	0.35	ppbv	J	sp	<PQL		
4402582551	RISG-62-15.0-20191213	12/13/19	TO15SIMVOL	106-46-7	1,4-Dichlorobenzene		UJ	0.24	0.35	ppbv	UJ	c	ICAL %RSD; CCV %D	36.211; 32.53226	30 %
4402582551	RISG-62-15.0-20191213	12/13/19	TO15VOL	95-50-1	1,2-Dichlorobenzene		U	1.2	1.8	ppbv	UJ	c	ICAL %RSD	30.423	30 %
4402582551	RISG-62-15.0-20191213	12/13/19	TO15VOL	591-78-6	2-Hexanone		U	0.74	8.8	ppbv	UJ	c	ICAL %RSD	32.612	30 %
4402582551	RISG-62-15.0-20191213	12/13/19	TO15VOL	95-63-6	1,2,4-Trimethylbenzene	0.96	J	0.51	1.8	ppbv	J	sp	<PQL		
4402582551	RISG-62-15.0-20191213	12/13/19	TO15VOL	64-17-5	Ethanol	16		1.9	8.8	ppbv	J+	c	ICV %D	37.6	30 %

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator	Qualification Finding	Acceptance Criteria	
4402582551	RISG-62-15.0-20191213	12/13/19	TO15VOL	622-96-8	4-Ethyltoluene	1.3	J	0.47	1.8	ppbv	J	c,sp	ICAL %RSD; <PQL	36.54	30	%
4402582551	RISG-63-15.0-20191212	12/12/19	D1946	7440-59-7	HELIUM		U		0.082	%	UJ	h	Holding time	34	30	days
4402582551	RISG-63-15.0-20191212	12/12/19	TO15	67-64-1	Acetone	18	J	11	39	ug/m3	J	sp	<PQL			
4402582551	RISG-63-15.0-20191212	12/12/19	TO15	64-17-5	Ethanol	15	J	3.3	15	ug/m3	J+	c,sp	ICV %D; <PQL	37.6	30	%
4402582551	RISG-63-15.0-20191212	12/12/19	TO15	95-50-1	1,2-Dichlorobenzene		U	6.7	9.9	ug/m3	UJ	c	ICAL %RSD	30.423	30	%
4402582551	RISG-63-15.0-20191212	12/12/19	TO15	622-96-8	4-Ethyltoluene		U	2.2	8.1	ug/m3	UJ	c	ICAL %RSD	36.54	30	%
4402582551	RISG-63-15.0-20191212	12/12/19	TO15	591-78-6	2-Hexanone		U	2.8	34	ug/m3	UJ	c	ICAL %RSD	32.612	30	%
4402582551	RISG-63-15.0-20191212	12/12/19	TO15SIM	156-59-2	cis-1,2-Dichloroethene	0.70	J	0.22	1.3	ug/m3	J	sp	<PQL			
4402582551	RISG-63-15.0-20191212	12/12/19	TO15SIM	71-43-2	Benzene	0.67	J	0.42	2.6	ug/m3	J	sp	<PQL			
4402582551	RISG-63-15.0-20191212	12/12/19	TO15SIM	100-41-4	Ethyl Benzene	0.37	J	0.19	1.4	ug/m3	J	sp	<PQL			
4402582551	RISG-63-15.0-20191212	12/12/19	TO15SIM	95-47-6	ortho-xylene	0.68	J	0.15	1.4	ug/m3	J	sp	<PQL			
4402582551	RISG-63-15.0-20191212	12/12/19	TO15SIM	106-46-7	1,4-Dichlorobenzene		UJ	1.3	2.0	ug/m3	UJ	c	ICAL %RSD; CCV %D	36.211; 32.53226	30	%
4402582551	RISG-63-15.0-20191212	12/12/19	TO15SIM	136777-61-2	m,p-xylene	1.4	J	0.14	2.8	ug/m3	J	bl,bb,sp	blank contamination below PQL; <PQL	0.034	0.068	ug/m³
4402582551	RISG-63-15.0-20191212	12/12/19	TO15SIM	108-88-3	Toluene	1.2	J	0.4	3.1	ug/m3	J	sp	<PQL			
4402582551	RISG-63-15.0-20191212	12/12/19	TO15SIMVOL	108-88-3	Toluene	0.31	J	0.1	0.82	ppbv	J	sp	<PQL			
4402582551	RISG-63-15.0-20191212	12/12/19	TO15SIMVOL	71-43-2	Benzene	0.21	J	0.13	0.82	ppbv	J	sp	<PQL			
4402582551	RISG-63-15.0-20191212	12/12/19	TO15SIMVOL	106-46-7	1,4-Dichlorobenzene		UJ	0.22	0.33	ppbv	UJ	c	ICAL %RSD; CCV %D	36.211; 32.53226	30	%
4402582551	RISG-63-15.0-20191212	12/12/19	TO15SIMVOL	156-59-2	cis-1,2-Dichloroethene	0.18	J	0.055	0.33	ppbv	J	sp	<PQL			
4402582551	RISG-63-15.0-20191212	12/12/19	TO15SIMVOL	95-47-6	ortho-xylene	0.16	J	0.034	0.33	ppbv	J	sp	<PQL			
4402582551	RISG-63-15.0-20191212	12/12/19	TO15SIMVOL	100-41-4	Ethyl Benzene	0.085	J	0.043	0.33	ppbv	J	sp	<PQL			
4402582551	RISG-63-15.0-20191212	12/12/19	TO15SIMVOL	136777-61-2	m,p-xylene	0.33	J	0.033	0.66	ppbv	J	bl,bb,sp	blank contamination below PQL; <PQL	0.034	0.068	ug/m³
4402582551	RISG-63-15.0-20191212	12/12/19	TO15VOL	622-96-8	4-Ethyltoluene		U	0.44	1.6	ppbv	UJ	c	ICAL %RSD	36.54	30	%
4402582551	RISG-63-15.0-20191212	12/12/19	TO15VOL	591-78-6	2-Hexanone		U	0.7	8.2	ppbv	UJ	c	ICAL %RSD	32.612	30	%
4402582551	RISG-63-15.0-20191212	12/12/19	TO15VOL	95-50-1	1,2-Dichlorobenzene		U	1.1	1.6	ppbv	UJ	c	ICAL %RSD	30.423	30	%
4402582551	RISG-63-15.0-20191212	12/12/19	TO15VOL	67-64-1	Acetone	7.7	J	4.5	16	ppbv	J	sp	<PQL			
4402582551	RISG-63-15.0-20191212	12/12/19	TO15VOL	64-17-5	Ethanol	7.8	J	1.8	8.2	ppbv	J+	c,sp	ICV %D; <PQL	37.6	30	%
4402582551	RISG-76-5.0-20191216	12/16/19	TO15	64-17-5	Ethanol	8.3	J	2.1	9.9	ug/m3	J+	c,sp	ICV %D; <PQL	37.6	30	%
4402582551	RISG-76-5.0-20191216	12/16/19	TO15	67-64-1	Acetone	15	J	6.9	25	ug/m3	J	sp	<PQL			
4402582551	RISG-76-5.0-20191216	12/16/19	TO15	75-15-0	Carbon Disulfide	3.8	J	3.8	16	ug/m3	J	sp	<PQL			
4402582551	RISG-76-5.0-20191216	12/16/19	TO15	591-78-6	2-Hexanone		U	1.8	22	ug/m3	UJ	c	ICAL %RSD	32.612	30	%
4402582551	RISG-76-5.0-20191216	12/16/19	TO15	622-96-8	4-Ethyltoluene		U	1.4	5.2	ug/m3	UJ	c	ICAL %RSD	36.54	30	%
4402582551	RISG-76-5.0-20191216	12/16/19	TO15	75-69-4	Trichlorofluoromethane	1.7	J	1	5.9	ug/m3	J	sp	<PQL			
4402582551	RISG-76-5.0-20191216	12/16/19	TO15	95-50-1	1,2-Dichlorobenzene		U	4.3	6.3	ug/m3	UJ	c	ICAL %RSD	30.423	30	%
4402582551	RISG-76-5.0-20191216	12/16/19	TO15SIM	71-43-2	Benzene	1.1	J	0.27	1.7	ug/m3	J	sp	<PQL			
4402582551	RISG-76-5.0-20191216	12/16/19	TO15SIM	95-47-6	ortho-xylene	0.68	J	0.094	0.91	ug/m3	J	sp	<PQL			
4402582551	RISG-76-5.0-20191216	12/16/19	TO15SIM	79-01-6	Trichloroethene	0.94	J	0.3	1.1	ug/m3	J	sp	<PQL			
4402582551	RISG-76-5.0-20191216	12/16/19	TO15SIM	106-46-7	1,4-Dichlorobenzene		UJ	0.85	1.3	ug/m3	UJ	c	ICAL %RSD; CCV %D	36.211; 32.53226	30	%
4402582551	RISG-76-5.0-20191216	12/16/19	TO15SIM	100-41-4	Ethyl Benzene	0.54	J	0.12	0.91	ug/m3	J	sp	<PQL			
4402582551	RISG-76-5.0-20191216	12/16/19	TO15SIMVOL	79-01-6	Trichloroethene	0.17	J	0.056	0.21	ppbv	J	sp	<PQL			
4402582551	RISG-76-5.0-20191216	12/16/19	TO15SIMVOL	106-46-7	1,4-Dichlorobenzene		UJ	0.14	0.21	ppbv	UJ	c	ICAL %RSD; CCV %D	36.211; 32.53226	30	%
4402582551	RISG-76-5.0-20191216	12/16/19	TO15SIMVOL	71-43-2	Benzene	0.34	J	0.084	0.52	ppbv	J	sp	<PQL			
4402582551	RISG-76-5.0-20191216	12/16/19	TO15SIMVOL	100-41-4	Ethyl Benzene	0.12	J	0.028	0.21	ppbv	J	sp	<PQL			
4402582551	RISG-76-5.0-20191216	12/16/19	TO15SIMVOL	95-47-6	ortho-xylene	0.16	J	0.022	0.21	ppbv	J	sp	<PQL			
4402582551	RISG-76-5.0-20191216	12/16/19	TO15VOL	75-69-4	Trichlorofluoromethane	0.30	J	0.18	1.0	ppbv	J	sp	<PQL			
4402582551	RISG-76-5.0-20191216	12/16/19	TO15VOL	622-96-8	4-Ethyltoluene		U	0.28	1.0	ppbv	UJ	c	ICAL %RSD	36.54	30	%
4402582551	RISG-76-5.0-20191216	12/16/19	TO15VOL	75-15-0	Carbon Disulfide	1.2	J	1.2	5.2	ppbv	J	sp	<PQL			
4402582551	RISG-76-5.0-20191216	12/16/19	TO15VOL	591-78-6	2-Hexanone		U	0.45	5.2	ppbv	UJ	c	ICAL %RSD	32.612	30	%
4402582551	RISG-76-5.0-20191216	12/16/19	TO15VOL	95-50-1	1,2-Dichlorobenzene		U	0.71	1.0	ppbv	UJ	c	ICAL %RSD	30.423	30	%
4402582551	RISG-76-5.0-20191216	12/16/19	TO15VOL	67-64-1	Acetone	6.3	J	2.9	10	ppbv	J	sp	<PQL			
4402582551	RISG-76-5.0-20191216	12/16/19	TO15VOL	64-17-5	Ethanol	4.4	J	1.1	5.2	ppbv	J+	c,sp	ICV %D; <PQL	37.6	30	%
4402582551	RISG-79-5.0-20191217	12/17/19	TO15	64-17-5	Ethanol	10	J	3.1	14	ug/m3	J+	c,sp	ICV %D; <PQL	37.6	30	%
4402582551	RISG-79-5.0-20191217	12/17/19	TO15	67-64-1	Acetone	18	J	10	36	ug/m3	J	sp	<PQL			
4402582551	RISG-79-5.0-20191217	12/17/19	TO15	87-68-3	Hexachlorobutadiene	16	J	12	81	ug/m3	J	bl,bb,sp	blank contamination below PQL; <PQL	0.84	1.68	ug/m³
4402582551	RISG-79-5.0-20191217	12/17/19	TO15	591-78-6	2-Hexanone		U	2.6	31	ug/m3	UJ	c	ICAL %RSD	32.612	30	%
4402582551	RISG-79-5.0-20191217	12/17/19	TO15	95-50-1	1,2-Dichlorobenzene		U	6.2	9.1	ug/m3	UJ	c	ICAL %RSD	30.423	30	%
4402582551	RISG-79-5.0-20191217	12/17/19	TO15	622-96-8	4-Ethyltoluene		U	2	7.5	ug/m3	UJ	c	ICAL %RSD	36.54	30	%
4402582551	RISG-79-5.0-20191217	12/17/19	TO15SIM	95-47-6	ortho-xylene	0.95	J	0.14	1.3	ug/m3	J	sp	<PQL			
4402582551	RISG-79-5.0-20191217	12/17/19	TO15SIM	71-43-2	Benzene	1.2	J	0.39	2.4	ug/m3	J	sp	<PQL			
4402582551	RISG-79-5.0-20191217	12/17/19	TO15SIM	75-34-3	1,1-Dichloroethane	0.27	J	0.2	1.2	ug/m3	J	sp	<PQL			
4402582551	RISG-79-5.0-20191217	12/17/19	TO15SIM	108-88-3	Toluene	1.3	J	0.37	2.9	ug/m3	J	sp	<PQL			
4402582551	RISG-79-5.0-20191217	12/17/19	TO15SIM	136777-61-2	m,p-xylene	2.3	J	0.13	2.6	ug/m3	J	bl,bb,sp	blank contamination below PQL; <PQL	0.034	0.068	ug/m³
4402582551	RISG-79-5.0-20191217	12/17/19	TO15SIM	106-46-7	1,4-Dichlorobenzene		UJ	1.2	1.8	ug/m3	UJ	c	ICAL %RSD; CCV %D	36.211; 32.53226	30	%
4402582551	RISG-79-5.0-20191217	12/17/19	TO15SIM	100-41-4	Ethyl Benzene	0.51	J	0.17	1.3	ug/m3	J	sp	<PQL			
4402582551	RISG-79-5.0-20191217	12/17/19	TO15SIMVOL	108-88-3	Toluene	0.34	J	0.098	0.76	ppbv	J	sp	<PQL			
4402582551	RISG-79-5.0-20191217	12/17/19	TO15SIMVOL	71-43-2	Benzene	0.37	J	0.12	0.76	ppbv	J	sp	<PQL			
4402582551	RISG-79-5.0-20191217	12/17/19	TO15SIMVOL	75-34-3	1,1-Dichloroethane	0.067	J	0.051	0.30	ppbv	J	sp	<PQL			

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator	Qualification Finding	Acceptance Criteria	
4402582551	RISG-79-5.0-20191217	12/17/19	TO15SIMVOL	106-46-7	1,4-Dichlorobenzene		UJ	0.2	0.30	ppbv	UJ	c	ICAL %RSD; CCV %D	36.211; 32.53226	30	%
4402582551	RISG-79-5.0-20191217	12/17/19	TO15SIMVOL	100-41-4	Ethyl Benzene	0.12	J	0.04	0.30	ppbv	J	sp	<PQL			
4402582551	RISG-79-5.0-20191217	12/17/19	TO15SIMVOL	95-47-6	ortho-xylene	0.22	J	0.031	0.30	ppbv	J	sp	<PQL			
4402582551	RISG-79-5.0-20191217	12/17/19	TO15SIMVOL	136777-61-2	m,p-xylene	0.53	J	0.031	0.61	ppbv	J	bl,bb,sp	blank contamination below PQL; <PQL	0.034	0.068	ug/m³
4402582551	RISG-79-5.0-20191217	12/17/19	TO15VOL	591-78-6	2-Hexanone		U	0.65	7.6	ppbv	UJ	c	ICAL %RSD	32.612	30	%
4402582551	RISG-79-5.0-20191217	12/17/19	TO15VOL	622-96-8	4-Ethyltoluene		U	0.41	1.5	ppbv	UJ	c	ICAL %RSD	36.54	30	%
4402582551	RISG-79-5.0-20191217	12/17/19	TO15VOL	95-50-1	1,2-Dichlorobenzene		U	1	1.5	ppbv	UJ	c	ICAL %RSD	30.423	30	%
4402582551	RISG-79-5.0-20191217	12/17/19	TO15VOL	87-68-3	Hexachlorobutadiene	1.5	J	1.1	7.6	ppbv	J	bl,bb,sp	blank contamination below PQL; <PQL	0.84	1.68	ug/m³
4402582551	RISG-79-5.0-20191217	12/17/19	TO15VOL	67-64-1	Acetone	7.7	J	4.2	15	ppbv	J	sp	<PQL			
4402582551	RISG-79-5.0-20191217	12/17/19	TO15VOL	64-17-5	Ethanol	5.3	J	1.6	7.6	ppbv	J+	c,sp	ICV %D; <PQL	37.6	30	%
4402582551	RISG-79-15.0-20191217	12/17/19	TO15	78-93-3	2-Butanone	1.2	J	0.57	5.0	ug/m3	J	sp	<PQL			
4402582551	RISG-79-15.0-20191217	12/17/19	TO15	75-69-4	Trichlorofluoromethane	1.4	J	0.34	1.9	ug/m3	J	sp	<PQL			
4402582551	RISG-79-15.0-20191217	12/17/19	TO15	110-82-7	Cyclohexane	0.90	J	0.43	1.2	ug/m3	J	sp	<PQL			
4402582551	RISG-79-15.0-20191217	12/17/19	TO15	95-63-6	1,2,4-Trimethylbenzene	1.0	J	0.49	1.7	ug/m3	J	sp	<PQL			
4402582551	RISG-79-15.0-20191217	12/17/19	TO15	622-96-8	4-Ethyltoluene	0.97	J	0.45	1.7	ug/m3	J	c,sp	ICAL %RSD; <PQL	36.54	30	%
4402582551	RISG-79-15.0-20191217	12/17/19	TO15	591-78-6	2-Hexanone		U	0.6	7.0	ug/m3	UJ	c	ICAL %RSD	32.612	30	%
4402582551	RISG-79-15.0-20191217	12/17/19	TO15	64-17-5	Ethanol	6.6		0.69	3.2	ug/m3	J+	c	ICV %D	37.6	30	%
4402582551	RISG-79-15.0-20191217	12/17/19	TO15	87-68-3	Hexachlorobutadiene	6.2	J	2.8	18	ug/m3	J	bl,bb,sp	blank contamination below PQL; <PQL	0.84	1.68	ug/m³
4402582551	RISG-79-15.0-20191217	12/17/19	TO15	95-50-1	1,2-Dichlorobenzene		U	1.4	2.0	ug/m3	UJ	c	ICAL %RSD	30.423	30	%
4402582551	RISG-79-15.0-20191217	12/17/19	TO15SIM	91-20-3	Naphthalene	0.26	J	0.11	0.90	ug/m3	J	bl,bb,sp	blank contamination below PQL; <PQL	0.086	0.172	ug/m³
4402582551	RISG-79-15.0-20191217	12/17/19	TO15SIM	156-60-5	trans-1,2-Dichloroethene	0.064	J	0.043	1.4	ug/m3	J	sp	<PQL			
4402582551	RISG-79-15.0-20191217	12/17/19	TO15SIM	107-06-2	1,2-Dichloroethane	0.091	J	0.054	0.28	ug/m3	J	bl,bb,sp	blank contamination below PQL; <PQL	0.016	0.032	ug/m³
4402582551	RISG-79-15.0-20191217	12/17/19	TO15SIM	106-46-7	1,4-Dichlorobenzene		UJ	0.28	0.41	ug/m3	UJ	c	ICAL %RSD; CCV %D	36.211; 32.53226	30	%
4402582551	RISG-79-15.0-20191217	12/17/19	TO15SIM	75-34-3	1,1-Dichloroethane	0.11	J	0.046	0.28	ug/m3	J	sp	<PQL			
4402582551	RISG-79-15.0-20191217	12/17/19	TO15SIM	75-00-3	Chloroethane	0.12	J	0.034	0.45	ug/m3	J	sp	<PQL			
4402582551	RISG-79-15.0-20191217	12/17/19	TO15SIM	74-87-3	Chloromethane	0.14	J	0.074	3.5	ug/m3	J	sp	<PQL			
4402582551	RISG-79-15.0-20191217	12/17/19	TO15SIMVOL	91-20-3	Naphthalene	0.050	J	0.021	0.17	ppbv	J	bl,bb,sp	blank contamination below PQL; <PQL	0.086	0.172	ug/m³
4402582551	RISG-79-15.0-20191217	12/17/19	TO15SIMVOL	75-00-3	Chloroethane	0.044	J	0.013	0.17	ppbv	J	sp	<PQL			
4402582551	RISG-79-15.0-20191217	12/17/19	TO15SIMVOL	156-60-5	trans-1,2-Dichloroethene	0.016	J	0.011	0.34	ppbv	J	sp	<PQL			
4402582551	RISG-79-15.0-20191217	12/17/19	TO15SIMVOL	106-46-7	1,4-Dichlorobenzene		UJ	0.046	0.068	ppbv	UJ	c	ICAL %RSD; CCV %D	36.211; 32.53226	30	%
4402582551	RISG-79-15.0-20191217	12/17/19	TO15SIMVOL	107-06-2	1,2-Dichloroethane	0.022	J	0.013	0.068	ppbv	J	bl,bb,sp	blank contamination below PQL; <PQL	0.016	0.032	ug/m³
4402582551	RISG-79-15.0-20191217	12/17/19	TO15SIMVOL	75-34-3	1,1-Dichloroethane	0.027	J	0.011	0.068	ppbv	J	sp	<PQL			
4402582551	RISG-79-15.0-20191217	12/17/19	TO15SIMVOL	74-87-3	Chloromethane	0.066	J	0.036	1.7	ppbv	J	sp	<PQL			
4402582551	RISG-79-15.0-20191217	12/17/19	TO15VOL	95-50-1	1,2-Dichlorobenzene		U	0.23	0.34	ppbv	UJ	c	ICAL %RSD	30.423	30	%
4402582551	RISG-79-15.0-20191217	12/17/19	TO15VOL	75-69-4	Trichlorofluoromethane	0.25	J	0.06	0.34	ppbv	J	sp	<PQL			
4402582551	RISG-79-15.0-20191217	12/17/19	TO15VOL	95-63-6	1,2,4-Trimethylbenzene	0.21	J	0.099	0.34	ppbv	J	sp	<PQL			
4402582551	RISG-79-15.0-20191217	12/17/19	TO15VOL	622-96-8	4-Ethyltoluene	0.20	J	0.092	0.34	ppbv	J	c,sp	ICAL %RSD; <PQL	36.54	30	%
4402582551	RISG-79-15.0-20191217	12/17/19	TO15VOL	110-82-7	Cyclohexane	0.26	J	0.12	0.34	ppbv	J	sp	<PQL			
4402582551	RISG-79-15.0-20191217	12/17/19	TO15VOL	64-17-5	Ethanol	3.5		0.37	1.7	ppbv	J+	c	ICV %D	37.6	30	%
4402582551	RISG-79-15.0-20191217	12/17/19	TO15VOL	87-68-3	Hexachlorobutadiene	0.58	J	0.26	1.7	ppbv	J	bl,bb,sp	blank contamination below PQL; <PQL	0.84	1.68	ug/m³
4402582551	RISG-79-15.0-20191217	12/17/19	TO15VOL	78-93-3	2-Butanone	0.41	J	0.19	1.7	ppbv	J	sp	<PQL			
4402582551	RISG-79-15.0-20191217	12/17/19	TO15VOL	591-78-6	2-Hexanone		U	0.14	1.7	ppbv	UJ	c	ICAL %RSD	32.612	30	%
4402582551	RISG-88-5.0-20191218	12/18/19	TO15	64-17-5	Ethanol	7.6		0.61	2.8	ug/m3	J+	c,l	ICV %D; LCS/LCSD %R	37.6; -,132	30; 70-130	%
4402582551	RISG-88-5.0-20191218	12/18/19	TO15	95-63-6	1,2,4-Trimethylbenzene	0.47	J	0.43	1.5	ug/m3	J	sp	<PQL			
4402582551	RISG-88-5.0-20191218	12/18/19	TO15	78-93-3	2-Butanone	1.6	J	0.5	4.4	ug/m3	J	sp	<PQL			
4402582551	RISG-88-5.0-20191218	12/18/19	TO15	591-78-6	2-Hexanone		U	0.53	6.2	ug/m3	UJ	c	ICAL %RSD	32.612	30	%
4402582551	RISG-88-5.0-20191218	12/18/19	TO15	95-50-1	1,2-Dichlorobenzene		U	1.2	1.8	ug/m3	UJ	c	ICAL %RSD	30.423	30	%
4402582551	RISG-88-5.0-20191218	12/18/19	TO15	622-96-8	4-Ethyltoluene	0.46	J	0.4	1.5	ug/m3	J	c,sp	ICAL %RSD; <PQL	36.54	30	%
4402582551	RISG-88-5.0-20191218	12/18/19	TO15SIM	74-87-3	Chloromethane	0.065	J	0.065	3.1	ug/m3	J	sp	<PQL			
4402582551	RISG-88-5.0-20191218	12/18/19	TO15SIM	91-20-3	Naphthalene	0.15	J	0.096	0.79	ug/m3	J	bl,bb,sp	blank contamination below PQL; <PQL	0.056	0.112	ug/m³
4402582551	RISG-88-5.0-20191218	12/18/19	TO15SIM	75-00-3	Chloroethane	0.22	J	0.03	0.40	ug/m3	J	sp	<PQL			
4402582551	RISG-88-5.0-20191218	12/18/19	TO15SIM	106-46-7	1,4-Dichlorobenzene		UJ	0.24	0.36	ug/m3	UJ	c	ICAL %RSD; CCV %D	36.211; 34.275	30	%
4402582551	RISG-88-5.0-20191218	12/18/19	TO15SIM	100-41-4	Ethyl Benzene	0.25	J	0.035	0.26	ug/m3	J	sp	<PQL			
4402582551	RISG-88-5.0-20191218	12/18/19	TO15SIMVOL	74-87-3	Chloromethane	0.032	J	0.032	1.5	ppbv	J	sp	<PQL			
4402582551	RISG-88-5.0-20191218	12/18/19	TO15SIMVOL	106-46-7	1,4-Dichlorobenzene		UJ	0.041	0.060	ppbv	UJ	c	ICAL %RSD; CCV %D	36.211; 34.275	30	%
4402582551	RISG-88-5.0-20191218	12/18/19	TO15SIMVOL	100-41-4	Ethyl Benzene	0.058	J	0.008	0.060	ppbv	J	sp	<PQL			
4402582551	RISG-88-5.0-20191218	12/18/19	TO15SIMVOL	91-20-3	Naphthalene	0.029	J	0.018	0.15	ppbv	J	bl,bb,sp	blank contamination below PQL; <PQL	0.056	0.112	ug/m³
4402582551	RISG-88-5.0-20191218	12/18/19	TO15SIMVOL	75-00-3	Chloroethane	0.083	J	0.011	0.15	ppbv	J	sp	<PQL			
4402582551	RISG-88-5.0-20191218	12/18/19	TO15VOL	95-63-6	1,2,4-Trimethylbenzene	0.096	J	0.088	0.30	ppbv	J	sp	<PQL			
4402582551	RISG-88-5.0-20191218	12/18/19	TO15VOL	622-96-8	4-Ethyltoluene	0.093	J	0.081	0.30	ppbv	J	c,sp	ICAL %RSD; <PQL	36.54	30	%
4402582551	RISG-88-5.0-20191218	12/18/19	TO15VOL	591-78-6	2-Hexanone		U	0.13	1.5	ppbv	UJ	c	ICAL %RSD	32.612	30	%
4402582551	RISG-88-5.0-20191218	12/18/19	TO15VOL	95-50-1	1,2-Dichlorobenzene		U	0.2	0.30	ppbv	UJ	c	ICAL %RSD	30.423	30	%
4402582551	RISG-88-5.0-20191218	12/18/19	TO15VOL	78-93-3	2-Butanone	0.54	J	0.17	1.5	ppbv	J	sp	<PQL			
4402582551	RISG-88-5.0-20191218	12/18/19	TO15VOL	64-17-5	Ethanol	4.0		0.32	1.5	ppbv	J+	c,l	ICV %D; LCS/LCSD %R	37.6; -,132	30; 70-130	%
4402582551	RISG-88-15.0-20191218	12/18/19	TO15	64-17-5	Ethanol	15		1.7	7.8	ug/m3	J+	c,l	ICV %D; LCS/LCSD %R	37.6; -,132	30; 70-130	%
4402582551	RISG-88-15.0-20191218	12/18/19	TO15	78-93-3	2-Butanone	11	J	1.4	12	ug/m3	J	sp	<PQL			

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator	Qualification Finding	Acceptance Criteria	
4402582551	RISG-88-15.0-20191218	12/18/19	TO15	95-50-1	1,2-Dichlorobenzene		U	3.4	5.0	ug/m3	UJ	c	ICAL %RSD	30.423	30	%
4402582551	RISG-88-15.0-20191218	12/18/19	TO15	109-99-9	Tetrahydrofuran	1.8	J	1.6	12	ug/m3	J	sp	<PQL			
4402582551	RISG-88-15.0-20191218	12/18/19	TO15	591-78-6	2-Hexanone		U	1.4	17	ug/m3	UJ	c	ICAL %RSD	32.612	30	%
4402582551	RISG-88-15.0-20191218	12/18/19	TO15	622-96-8	4-Ethyltoluene		U	1.1	4.1	ug/m3	UJ	c	ICAL %RSD	36.54	30	%
4402582551	RISG-88-15.0-20191218	12/18/19	TO15SIM	95-47-6	ortho-xylene	0.41	J	0.074	0.72	ug/m3	J	sp	<PQL			
4402582551	RISG-88-15.0-20191218	12/18/19	TO15SIM	100-41-4	Ethyl Benzene	0.26	J	0.096	0.72	ug/m3	J	sp	<PQL			
4402582551	RISG-88-15.0-20191218	12/18/19	TO15SIM	136777-61-2	m,p-xylene	0.98	J	0.073	1.4	ug/m3	J	bl,bb,sp	blank contamination below PQL; <PQL	0.04	0.08	ug/m³
4402582551	RISG-88-15.0-20191218	12/18/19	TO15SIM	75-00-3	Chloroethane	0.22	J	0.083	1.1	ug/m3	J	sp	<PQL			
4402582551	RISG-88-15.0-20191218	12/18/19	TO15SIM	106-46-7	1,4-Dichlorobenzene		UJ	0.68	1.0	ug/m3	UJ	c	ICAL %RSD; CCV %D	36.211; 34.275	30	%
4402582551	RISG-88-15.0-20191218	12/18/19	TO15SIM	74-87-3	Chloromethane	0.20	J	0.18	8.6	ug/m3	J	sp	<PQL			
4402582551	RISG-88-15.0-20191218	12/18/19	TO15SIM	108-88-3	Toluene	1.1	J	0.2	1.6	ug/m3	J	sp	<PQL			
4402582551	RISG-88-15.0-20191218	12/18/19	TO15SIM	71-43-2	Benzene	0.90	J	0.21	1.3	ug/m3	J	sp	<PQL			
4402582551	RISG-88-15.0-20191218	12/18/19	TO15SIMVOL	108-88-3	Toluene	0.29	J	0.053	0.42	ppbv	J	sp	<PQL			
4402582551	RISG-88-15.0-20191218	12/18/19	TO15SIMVOL	136777-61-2	m,p-xylene	0.22	J	0.017	0.33	ppbv	J	bl,bb,sp	blank contamination below PQL; <PQL	0.04	0.08	ug/m³
4402582551	RISG-88-15.0-20191218	12/18/19	TO15SIMVOL	106-46-7	1,4-Dichlorobenzene		UJ	0.11	0.17	ppbv	UJ	c	ICAL %RSD; CCV %D	36.211; 34.275	30	%
4402582551	RISG-88-15.0-20191218	12/18/19	TO15SIMVOL	95-47-6	ortho-xylene	0.094	J	0.017	0.17	ppbv	J	sp	<PQL			
4402582551	RISG-88-15.0-20191218	12/18/19	TO15SIMVOL	74-87-3	Chloromethane	0.095	J	0.087	4.2	ppbv	J	sp	<PQL			
4402582551	RISG-88-15.0-20191218	12/18/19	TO15SIMVOL	75-00-3	Chloroethane	0.086	J	0.031	0.42	ppbv	J	sp	<PQL			
4402582551	RISG-88-15.0-20191218	12/18/19	TO15SIMVOL	100-41-4	Ethyl Benzene	0.060	J	0.022	0.17	ppbv	J	sp	<PQL			
4402582551	RISG-88-15.0-20191218	12/18/19	TO15SIMVOL	71-43-2	Benzene	0.28	J	0.067	0.42	ppbv	J	sp	<PQL			
4402582551	RISG-88-15.0-20191218	12/18/19	TO15VOL	622-96-8	4-Ethyltoluene		U	0.22	0.83	ppbv	UJ	c	ICAL %RSD	36.54	30	%
4402582551	RISG-88-15.0-20191218	12/18/19	TO15VOL	109-99-9	Tetrahydrofuran	0.60	J	0.54	4.2	ppbv	J	sp	<PQL			
4402582551	RISG-88-15.0-20191218	12/18/19	TO15VOL	95-50-1	1,2-Dichlorobenzene		U	0.56	0.83	ppbv	UJ	c	ICAL %RSD	30.423	30	%
4402582551	RISG-88-15.0-20191218	12/18/19	TO15VOL	64-17-5	Ethanol	8.1		0.89	4.2	ppbv	J+	c,l	ICV %D; LCS/LCSD %R	37.6; -,132	30; 70-130	%
4402582551	RISG-88-15.0-20191218	12/18/19	TO15VOL	78-93-3	2-Butanone	3.8	J	0.47	4.2	ppbv	J	sp	<PQL			
4402582551	RISG-88-15.0-20191218	12/18/19	TO15VOL	591-78-6	2-Hexanone		U	0.35	4.2	ppbv	UJ	c	ICAL %RSD	32.612	30	%
4402582551	RISG-90-5.0-20191217	12/17/19	TO15	64-17-5	Ethanol	4.2		0.79	3.7	ug/m3	J+	c,l	ICV %D; LCS/LCSD %R	37.6; -,132	30; 70-130	%
4402582551	RISG-90-5.0-20191217	12/17/19	TO15	100-42-5	Styrene	0.46	J	0.23	1.7	ug/m3	J	sp	<PQL			
4402582551	RISG-90-5.0-20191217	12/17/19	TO15	591-78-6	2-Hexanone		U	0.68	8.0	ug/m3	UJ	c	ICAL %RSD	32.612	30	%
4402582551	RISG-90-5.0-20191217	12/17/19	TO15	78-93-3	2-Butanone	2.3	J	0.65	5.8	ug/m3	J	sp	<PQL			
4402582551	RISG-90-5.0-20191217	12/17/19	TO15	622-96-8	4-Ethyltoluene	0.78	J	0.52	1.9	ug/m3	J	c,sp	ICAL %RSD; <PQL	36.54	30	%
4402582551	RISG-90-5.0-20191217	12/17/19	TO15	95-50-1	1,2-Dichlorobenzene		U	1.6	2.4	ug/m3	UJ	c	ICAL %RSD	30.423	30	%
4402582551	RISG-90-5.0-20191217	12/17/19	TO15	95-63-6	1,2,4-Trimethylbenzene	0.88	J	0.56	1.9	ug/m3	J	sp	<PQL			
4402582551	RISG-90-5.0-20191217	12/17/19	TO15	75-69-4	Trichlorofluoromethane	1.8	J	0.38	2.2	ug/m3	J	sp	<PQL			
4402582551	RISG-90-5.0-20191217	12/17/19	TO15SIM	91-20-3	Naphthalene	0.21	J	0.12	1.0	ug/m3	J	bl,bb,sp	blank contamination below PQL; <PQL	0.056	0.112	ug/m³
4402582551	RISG-90-5.0-20191217	12/17/19	TO15SIM	74-87-3	Chloromethane	0.14	J	0.084	4.0	ug/m3	J	sp	<PQL			
4402582551	RISG-90-5.0-20191217	12/17/19	TO15SIM	106-46-7	1,4-Dichlorobenzene		UJ	0.32	0.47	ug/m3	UJ	c	ICAL %RSD; CCV %D	36.211; 34.275	30	%
4402582551	RISG-90-5.0-20191217	12/17/19	TO15SIM	107-06-2	1,2-Dichloroethane	0.063	J	0.062	0.32	ug/m3	J	sp	<PQL			
4402582551	RISG-90-5.0-20191217	12/17/19	TO15SIMVOL	91-20-3	Naphthalene	0.040	J	0.024	0.20	ppbv	J	bl,bb,sp	blank contamination below PQL; <PQL	0.056	0.112	ug/m³
4402582551	RISG-90-5.0-20191217	12/17/19	TO15SIMVOL	106-46-7	1,4-Dichlorobenzene		UJ	0.053	0.078	ppbv	UJ	c	ICAL %RSD; CCV %D	36.211; 34.275	30	%
4402582551	RISG-90-5.0-20191217	12/17/19	TO15SIMVOL	74-87-3	Chloromethane	0.067	J	0.041	2.0	ppbv	J	sp	<PQL			
4402582551	RISG-90-5.0-20191217	12/17/19	TO15SIMVOL	107-06-2	1,2-Dichloroethane	0.015	J	0.015	0.078	ppbv	J	sp	<PQL			
4402582551	RISG-90-5.0-20191217	12/17/19	TO15VOL	75-69-4	Trichlorofluoromethane	0.32	J	0.068	0.39	ppbv	J	sp	<PQL			
4402582551	RISG-90-5.0-20191217	12/17/19	TO15VOL	622-96-8	4-Ethyltoluene	0.16	J	0.1	0.39	ppbv	J	c,sp	ICAL %RSD; <PQL	36.54	30	%
4402582551	RISG-90-5.0-20191217	12/17/19	TO15VOL	95-63-6	1,2,4-Trimethylbenzene	0.18	J	0.11	0.39	ppbv	J	sp	<PQL			
4402582551	RISG-90-5.0-20191217	12/17/19	TO15VOL	95-50-1	1,2-Dichlorobenzene		U	0.26	0.39	ppbv	UJ	c	ICAL %RSD	30.423	30	%
4402582551	RISG-90-5.0-20191217	12/17/19	TO15VOL	78-93-3	2-Butanone	0.80	J	0.22	2.0	ppbv	J	sp	<PQL			
4402582551	RISG-90-5.0-20191217	12/17/19	TO15VOL	100-42-5	Styrene	0.11	J	0.055	0.39	ppbv	J	sp	<PQL			
4402582551	RISG-90-5.0-20191217	12/17/19	TO15VOL	591-78-6	2-Hexanone		U	0.17	2.0	ppbv	UJ	c	ICAL %RSD	32.612	30	%
4402582551	RISG-90-5.0-20191217	12/17/19	TO15VOL	64-17-5	Ethanol	2.2		0.42	2.0	ppbv	J+	c,l	ICV %D; LCS/LCSD %R	37.6; -,132	30; 70-130	%
4402582551	RISG-90-15.0-20191217	12/17/19	TO15	78-93-3	2-Butanone	16	J	2.9	26	ug/m3	J	sp	<PQL			
4402582551	RISG-90-15.0-20191217	12/17/19	TO15	64-17-5	Ethanol	15	J	3.5	16	ug/m3	J+	c,l,sp	ICV %D; LCS/LCSD %R; <PQL	37.6; -,132	30; 70-130	%
4402582551	RISG-90-15.0-20191217	12/17/19	TO15	591-78-6	2-Hexanone		U	3	36	ug/m3	UJ	c	ICAL %RSD	32.612	30	%
4402582551	RISG-90-15.0-20191217	12/17/19	TO15	622-96-8	4-Ethyltoluene		U	2.3	8.6	ug/m3	UJ	c	ICAL %RSD	36.54	30	%
4402582551	RISG-90-15.0-20191217	12/17/19	TO15	109-99-9	Tetrahydrofuran	3.5	J	3.4	26	ug/m3	J	sp	<PQL			
4402582551	RISG-90-15.0-20191217	12/17/19	TO15	95-50-1	1,2-Dichlorobenzene		U	7.1	10	ug/m3	UJ	c	ICAL %RSD	30.423	30	%
4402582551	RISG-90-15.0-20191217	12/17/19	TO15	75-69-4	Trichlorofluoromethane	3.1	J	1.7	9.8	ug/m3	J	sp	<PQL			
4402582551	RISG-90-15.0-20191217	12/17/19	TO15SIM	106-46-7	1,4-Dichlorobenzene		UJ	1.4	2.1	ug/m3	UJ	c	ICAL %RSD; CCV %D	36.211; 34.275	30	%
4402582551	RISG-90-15.0-20191217	12/17/19	TO15SIM	108-88-3	Toluene	1.5	J	0.42	3.3	ug/m3	J	sp	<PQL			
4402582551	RISG-90-15.0-20191217	12/17/19	TO15SIM	100-41-4	Ethyl Benzene	0.34	J	0.2	1.5	ug/m3	J	sp	<PQL			
4402582551	RISG-90-15.0-20191217	12/17/19	TO15SIM	56-23-5	Carbon Tetrachloride	2.0	J	0.44	2.2	ug/m3	J	sp	<PQL			
4402582551	RISG-90-15.0-20191217	12/17/19	TO15SIM	71-43-2	Benzene	1.3	J	0.45	2.8	ug/m3	J	sp	<PQL			
4402582551	RISG-90-15.0-20191217	12/17/19	TO15SIM	136777-61-2	m,p-xylene	1.4	J	0.15	3.0	ug/m3	J	bl,bb,sp	blank contamination below PQL; <PQL	0.04	0.08	ug/m³
4402582551	RISG-90-15.0-20191217	12/17/19	TO15SIM	95-47-6	ortho-xylene	0.67	J	0.16	1.5	ug/m3	J	sp	<PQL			
4402582551	RISG-90-15.0-20191217	12/17/19	TO15SIMVOL	71-43-2	Benzene	0.40	J	0.14	0.87	ppbv	J	sp	<PQL			
4402582551	RISG-90-15.0-20191217	12/17/19	TO15SIMVOL	106-46-7	1,4-Dichlorobenzene		UJ	0.24	0.35	ppbv	UJ	c	ICAL %RSD; CCV %D	36.211; 34.275	30	%

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator	Qualification Finding	Acceptance Criteria	
4402582551	RISG-90-15.0-20191217	12/17/19	TO15SIMVOL	108-88-3	Toluene	0.39	J	0.11	0.87	ppbv	J	sp	<PQL			
4402582551	RISG-90-15.0-20191217	12/17/19	TO15SIMVOL	136777-61-2	m,p-xylene	0.32	J	0.035	0.70	ppbv	J	bl,bb,sp	blank contamination below PQL; <PQL	0.04	0.08	ug/m³
4402582551	RISG-90-15.0-20191217	12/17/19	TO15SIMVOL	56-23-5	Carbon Tetrachloride	0.32	J	0.07	0.35	ppbv	J	sp	<PQL			
4402582551	RISG-90-15.0-20191217	12/17/19	TO15SIMVOL	95-47-6	ortho-xylene	0.15	J	0.036	0.35	ppbv	J	sp	<PQL			
4402582551	RISG-90-15.0-20191217	12/17/19	TO15SIMVOL	100-41-4	Ethyl Benzene	0.078	J	0.046	0.35	ppbv	J	sp	<PQL			
4402582551	RISG-90-15.0-20191217	12/17/19	TO15VOL	95-50-1	1,2-Dichlorobenzene		U	1.2	1.7	ppbv	UJ	c	ICAL %RSD	30.423	30	%
4402582551	RISG-90-15.0-20191217	12/17/19	TO15VOL	622-96-8	4-Ethyltoluene		U	0.47	1.7	ppbv	UJ	c	ICAL %RSD	36.54	30	%
4402582551	RISG-90-15.0-20191217	12/17/19	TO15VOL	64-17-5	Ethanol	8.0	J	1.9	8.7	ppbv	J+	c,l,sp	ICV %D; LCS/LCSD %R; <PQL	37.6; -,132	30; 70-130	%
4402582551	RISG-90-15.0-20191217	12/17/19	TO15VOL	109-99-9	Tetrahydrofuran	1.2	J	1.1	8.7	ppbv	J	sp	<PQL			
4402582551	RISG-90-15.0-20191217	12/17/19	TO15VOL	591-78-6	2-Hexanone		U	0.74	8.7	ppbv	UJ	c	ICAL %RSD	32.612	30	%
4402582551	RISG-90-15.0-20191217	12/17/19	TO15VOL	75-69-4	Trichlorofluoromethane	0.55	J	0.3	1.7	ppbv	J	sp	<PQL			
4402582551	RISG-90-15.0-20191217	12/17/19	TO15VOL	78-93-3	2-Butanone	5.3	J	0.98	8.7	ppbv	J	sp	<PQL			
4402584411	RISG-61-10.0-20191231	12/31/19	TO15	75-69-4	Trichlorofluoromethane	1.3	J	0.34	1.9	ug/m3	J	sp	<PQL			
4402584411	RISG-61-10.0-20191231	12/31/19	TO15	110-82-7	Cyclohexane	0.64	J	0.43	1.2	ug/m3	J	sp	<PQL			
4402584411	RISG-61-10.0-20191231	12/31/19	TO15	110-54-3	n-Hexane	1.4	J	0.76	6.0	ug/m3	J	sp	<PQL			
4402584411	RISG-61-10.0-20191231	12/31/19	TO15	142-82-5	n-Heptane	3.7	J	0.64	7.0	ug/m3	J	sp	<PQL			
4402584411	RISG-61-10.0-20191231	12/31/19	TO15	64-17-5	Ethanol	23		0.69	3.2	ug/m3	J+	c,l	ICV %D; LCS/LCSD %R	37.60; -,132	30; 70-130	%
4402584411	RISG-61-10.0-20191231	12/31/19	TO15	109-99-9	Tetrahydrofuran	4.2	J	0.66	5.0	ug/m3	J	sp	<PQL			
4402584411	RISG-61-10.0-20191231	12/31/19	TO15	591-78-6	2-Hexanone	1.7	J	0.6	7.0	ug/m3	J	c,l,sp	ICAL %RSD; ICV %D; LCS/LCSD %R; <PQL	32.612; 36.11; -,133	30; 70-130	%
4402584411	RISG-61-10.0-20191231	12/31/19	TO15	108-10-1	4-Methyl-2-pentanone	0.89	J	0.43	1.4	ug/m3	J+	l,sp	LCS/LCSD %R; <PQL	134,132	70-130	%
4402584411	RISG-61-10.0-20191231	12/31/19	TO15	622-96-8	4-Ethyltoluene	6.9		0.45	1.7	ug/m3	J	c	ICAL %RSD	36.54	30	%
4402584411	RISG-61-10.0-20191231	12/31/19	TO15	95-50-1	1,2-Dichlorobenzene		U	1.4	2.0	ug/m3	UJ	c	ICAL %RSD	30.423	30	%
4402584411	RISG-61-10.0-20191231	12/31/19	TO15SIM	74-87-3	Chloromethane	0.13	J	0.074	3.5	ug/m3	J	sp	<PQL			
4402584411	RISG-61-10.0-20191231	12/31/19	TO15SIM	75-35-4	1,1-Dichloroethene	0.076	J	0.039	0.14	ug/m3	J	sp	<PQL			
4402584411	RISG-61-10.0-20191231	12/31/19	TO15SIM	107-06-2	1,2-Dichloroethane	0.13	J	0.054	0.28	ug/m3	J	sp	<PQL			
4402584411	RISG-61-10.0-20191231	12/31/19	TO15SIM	91-20-3	Naphthalene	0.44	J	0.11	0.90	ug/m3	J	bl,bb,sp	blank contamination below PQL; <PQL	0.056	0.112	ug/m³
4402584411	RISG-61-10.0-20191231	12/31/19	TO15SIM	79-01-6	Trichloroethene	0.20	J	0.099	0.37	ug/m3	J	sp	<PQL			
4402584411	RISG-61-10.0-20191231	12/31/19	TO15SIM	106-46-7	1,4-Dichlorobenzene		UJ	0.28	0.41	ug/m3	UJ	c	ICAL %RSD; CCV %D	36.211; 34.275	30	%
4402584411	RISG-61-10.0-20191231	12/31/19	TO15SIMVOL	74-87-3	Chloromethane	0.063	J	0.036	1.7	ppbv	J	sp	<PQL			
4402584411	RISG-61-10.0-20191231	12/31/19	TO15SIMVOL	107-06-2	1,2-Dichloroethane	0.033	J	0.013	0.068	ppbv	J	sp	<PQL			
4402584411	RISG-61-10.0-20191231	12/31/19	TO15SIMVOL	75-35-4	1,1-Dichloroethene	0.019	J	0.0098	0.034	ppbv	J	sp	<PQL			
4402584411	RISG-61-10.0-20191231	12/31/19	TO15SIMVOL	91-20-3	Naphthalene	0.084	J	0.021	0.17	ppbv	J	bl,bb,sp	blank contamination below PQL; <PQL	0.056	0.112	ug/m³
4402584411	RISG-61-10.0-20191231	12/31/19	TO15SIMVOL	79-01-6	Trichloroethene	0.037	J	0.018	0.068	ppbv	J	sp	<PQL			
4402584411	RISG-61-10.0-20191231	12/31/19	TO15SIMVOL	106-46-7	1,4-Dichlorobenzene		UJ	0.046	0.068	ppbv	UJ	c	ICAL %RSD; CCV %D	36.211; 34.275	30	%
4402584411	RISG-61-10.0-20191231	12/31/19	TO15VOL	75-69-4	Trichlorofluoromethane	0.24	J	0.06	0.34	ppbv	J	sp	<PQL			
4402584411	RISG-61-10.0-20191231	12/31/19	TO15VOL	591-78-6	2-Hexanone	0.42	J	0.14	1.7	ppbv	J	c,l,sp	ICAL %RSD; ICV %D; LCS/LCSD %R; <PQL	32.612; 36.11; -,133	30; 70-130	%
4402584411	RISG-61-10.0-20191231	12/31/19	TO15VOL	110-54-3	n-Hexane	0.39	J	0.22	1.7	ppbv	J	sp	<PQL			
4402584411	RISG-61-10.0-20191231	12/31/19	TO15VOL	109-99-9	Tetrahydrofuran	1.4	J	0.22	1.7	ppbv	J	sp	<PQL			
4402584411	RISG-61-10.0-20191231	12/31/19	TO15VOL	110-82-7	Cyclohexane	0.19	J	0.12	0.34	ppbv	J	sp	<PQL			
4402584411	RISG-61-10.0-20191231	12/31/19	TO15VOL	142-82-5	n-Heptane	0.91	J	0.16	1.7	ppbv	J	sp	<PQL			
4402584411	RISG-61-10.0-20191231	12/31/19	TO15VOL	64-17-5	Ethanol	12		0.37	1.7	ppbv	J+	c,l	ICV %D; LCS/LCSD %R	37.60; -,132	30; 70-130	%
4402584411	RISG-61-10.0-20191231	12/31/19	TO15VOL	108-10-1	4-Methyl-2-pentanone	0.22	J	0.1	0.34	ppbv	J+	l,sp	LCS/LCSD %R; <PQL	134,132	70-130	%
4402584411	RISG-61-10.0-20191231	12/31/19	TO15VOL	622-96-8	4-Ethyltoluene	1.4		0.092	0.34	ppbv	J	c	ICAL %RSD	36.54	30	%
4402584411	RISG-61-10.0-20191231	12/31/19	TO15VOL	95-50-1	1,2-Dichlorobenzene		U	0.23	0.34	ppbv	UJ	c	ICAL %RSD	30.423	30	%
4402591921	RISG-89-15.0-20200108	01/08/20	TO15	75-27-4	Bromodichloromethane	14	J	6.9	23	ug/m3	J	sp	<PQL			
4402591921	RISG-89-15.0-20200108	01/08/20	TO15	56-23-5	Carbon Tetrachloride	6.8	J	6	22	ug/m3	J	sp	<PQL			
4402591921	RISG-89-15.0-20200108	01/08/20	TO15	67-64-1	Acetone	32	J	12	81	ug/m3	J	sp	<PQL			
4402591921	RISG-89-15.0-20200108	01/08/20	TO15	78-93-3	2-Butanone	21	J	8.3	40	ug/m3	J	sp	<PQL			
4402591921	RISG-89-15.0-20200108	01/08/20	TO15VOL	67-64-1	Acetone	13	J	4.8	34	ppbv	J	sp	<PQL			
4402591921	RISG-89-15.0-20200108	01/08/20	TO15VOL	56-23-5	Carbon Tetrachloride	1.1	J	0.96	3.4	ppbv	J	sp	<PQL			
4402591921	RISG-89-15.0-20200108	01/08/20	TO15VOL	78-93-3	2-Butanone	7.1	J	2.8	14	ppbv	J	sp	<PQL			
4402591921	RISG-89-15.0-20200108	01/08/20	TO15VOL	75-27-4	Bromodichloromethane	2.2	J	1	3.4	ppbv	J	sp	<PQL			
4402591921	RISG-89-15.0-20200108-FD	01/08/20	TO15	75-27-4	Bromodichloromethane	14	J	7	23	ug/m3	J	sp	<PQL			
4402591921	RISG-89-15.0-20200108-FD	01/08/20	TO15	67-64-1	Acetone	22	J	12	83	ug/m3	J	sp	<PQL			
4402591921	RISG-89-15.0-20200108-FD	01/08/20	TO15	56-23-5	Carbon Tetrachloride	9.2	J	6.2	22	ug/m3	J	sp	<PQL			
4402591921	RISG-89-15.0-20200108-FD	01/08/20	TO15	78-93-3	2-Butanone	15	J	8.4	41	ug/m3	J	sp	<PQL			
4402591921	RISG-89-15.0-20200108-FD	01/08/20	TO15VOL	78-93-3	2-Butanone	5.0	J	2.9	14	ppbv	J	sp	<PQL			
4402591921	RISG-89-15.0-20200108-FD	01/08/20	TO15VOL	56-23-5	Carbon Tetrachloride	1.4	J	0.98	3.5	ppbv	J	sp	<PQL			
4402591921	RISG-89-15.0-20200108-FD	01/08/20	TO15VOL	67-64-1	Acetone	9.3	J	5	35	ppbv	J	sp	<PQL			
4402591921	RISG-89-15.0-20200108-FD	01/08/20	TO15VOL	75-27-4	Bromodichloromethane	2.1	J	1	3.5	ppbv	J	sp	<PQL			
4402596531	RISG-20-5.0-20200121	01/21/20	TO15	75-09-2	Methylene Chloride	4.2	J	1.8	13	ug/m3	J	bl,bb,sp	blank contamination below PQL; <PQL	0.1	0.2	ug/m³
4402596531	RISG-20-5.0-20200121	01/21/20	TO15SIM	75-35-4	1,1-Dichloroethene	0.66	J	0.58	0.73	ug/m3	J	sp	<PQL			
4402596531	RISG-20-5.0-20200121	01/21/20	TO15SIMVOL	75-35-4	1,1-Dichloroethene	0.16	J	0.15	0.18	ppbv	J	sp	<PQL			
4402596531	RISG-20-5.0-20200121	01/21/20	TO15VOL	75-09-2	Methylene Chloride	1.2	J	0.53	3.7	ppbv	J	bl,bb,sp	blank contamination below PQL; <PQL	0.1	0.2	ug/m³
4402596531	RISG-20-15.0-20200121	01/21/20	TO15	56-23-5	Carbon Tetrachloride	7.7	J	7.5	27	ug/m3	J	sp	<PQL			
4402596531	RISG-20-15.0-20200121	01/21/20	TO15	87-68-3	Hexachlorobutadiene	48	J	23	180	ug/m3	J	bl,bb,sp	blank contamination below PQL; <PQL	3	6	ug/m³

Table V. Overall Qualified Results

SDG	Client Sample ID	Sample Date	Method	Client Analyte ID	Analyte	Lab Result	Lab Qualifier	SQL	PQL	Units	Validator Qualifier	Reason Code	Data Quality Indicator	Qualification Finding	Acceptance Criteria	
4402596531	RISG-20-15.0-20200121	01/21/20	TO15VOL	87-68-3	Hexachlorobutadiene	4.5	J	2.1	17	ppbv	J	bl,bb,sp	blank contamination below PQL; <PQL	3	6	ug/m³
4402596531	RISG-20-15.0-20200121	01/21/20	TO15VOL	56-23-5	Carbon Tetrachloride	1.2	J	1.2	4.3	ppbv	J	sp	<PQL			
4402596531	RISG-59-15.0-20200122	01/22/20	TO15	75-27-4	Bromodichloromethane	12	J	6	20	ug/m3	J	sp	<PQL			
4402596531	RISG-59-15.0-20200122	01/22/20	TO15	75-34-3	1,1-Dichloroethane	5.3	J	4.6	12	ug/m3	J	sp	<PQL			
4402596531	RISG-59-15.0-20200122	01/22/20	TO15	75-71-8	Dichlorodifluoromethane	6.3	J	5.6	15	ug/m3	J	sp	<PQL			
4402596531	RISG-59-15.0-20200122	01/22/20	TO15VOL	75-34-3	1,1-Dichloroethane	1.3	J	1.1	3.0	ppbv	J	sp	<PQL			
4402596531	RISG-59-15.0-20200122	01/22/20	TO15VOL	75-71-8	Dichlorodifluoromethane	1.3	J	1.1	3.0	ppbv	J	sp	<PQL			
4402596531	RISG-59-15.0-20200122	01/22/20	TO15VOL	75-27-4	Bromodichloromethane	1.8	J	0.9	3.0	ppbv	J	sp	<PQL			
4402596531	RISG-60-15.0-20200122	01/22/20	TO15	75-09-2	Methylene Chloride	2.2	J	1.8	12	ug/m3	J	bl,bb,sp	blank contamination below PQL; <PQL	0.1	0.2	ug/m³
4402596531	RISG-60-15.0-20200122	01/22/20	TO15	67-64-1	Acetone	13	J	7	41	ug/m3	J	sp	<PQL			
4402596531	RISG-60-15.0-20200122	01/22/20	TO15	78-93-3	2-Butanone	8.8	J	5.2	26	ug/m3	J	sp	<PQL			
4402596531	RISG-60-15.0-20200122	01/22/20	TO15SIM	95-47-6	ortho-xylene	0.40	J	0.34	1.5	ug/m3	J	sp	<PQL			
4402596531	RISG-60-15.0-20200122	01/22/20	TO15SIM	75-34-3	1,1-Dichloroethane	1.0	J	0.47	1.4	ug/m3	J	sp	<PQL			
4402596531	RISG-60-15.0-20200122	01/22/20	TO15SIMVOL	95-47-6	ortho-xylene	0.091	J	0.078	0.35	ppbv	J	sp	<PQL			
4402596531	RISG-60-15.0-20200122	01/22/20	TO15SIMVOL	75-34-3	1,1-Dichloroethane	0.26	J	0.12	0.35	ppbv	J	sp	<PQL			
4402596531	RISG-60-15.0-20200122	01/22/20	TO15VOL	67-64-1	Acetone	5.6	J	2.9	17	ppbv	J	sp	<PQL			
4402596531	RISG-60-15.0-20200122	01/22/20	TO15VOL	75-09-2	Methylene Chloride	0.64	J	0.5	3.5	ppbv	J	bl,bb,sp	blank contamination below PQL; <PQL	0.1	0.2	ug/m³
4402596531	RISG-60-15.0-20200122	01/22/20	TO15VOL	78-93-3	2-Butanone	3.0	J	1.8	8.7	ppbv	J	sp	<PQL			
4402596531	RISG-76-15.0-20200122	01/22/20	TO15	78-93-3	2-Butanone	17	J	11	52	ug/m3	J	sp	<PQL			
4402596531	RISG-76-15.0-20200122	01/22/20	TO15	67-64-1	Acetone	15	J	15	100	ug/m3	J	sp	<PQL			
4402596531	RISG-76-15.0-20200122	01/22/20	TO15VOL	78-93-3	2-Butanone	5.8	J	3.6	18	ppbv	J	sp	<PQL			
4402596531	RISG-76-15.0-20200122	01/22/20	TO15VOL	67-64-1	Acetone	6.4	J	6.2	44	ppbv	J	sp	<PQL			
4402596531	RISG-89-05.0-20200121	01/21/20	TO15	67-64-1	Acetone	15	J	6.6	39	ug/m3	J	sp	<PQL			
4402596531	RISG-89-05.0-20200121	01/21/20	TO15	75-27-4	Bromodichloromethane	4.5	J	4	11	ug/m3	J	sp	<PQL			
4402596531	RISG-89-05.0-20200121	01/21/20	TO15	64-17-5	Ethanol	9.2	J	3.2	16	ug/m3	J	sp	<PQL			
4402596531	RISG-89-05.0-20200121	01/21/20	TO15SIM	91-20-3	Naphthalene	2.4	J	0.73	4.3	ug/m3	J+	c,sp	ICV %D; <PQL	36.85	30	%
4402596531	RISG-89-05.0-20200121	01/21/20	TO15SIM	95-47-6	ortho-xylene	0.63	J	0.32	1.4	ug/m3	J	sp	<PQL			
4402596531	RISG-89-05.0-20200121	01/21/20	TO15SIM	108-88-3	Toluene	1.6	J	0.94	3.1	ug/m3	J	sp	<PQL			
4402596531	RISG-89-05.0-20200121	01/21/20	TO15SIMVOL	95-47-6	ortho-xylene	0.14	J	0.074	0.33	ppbv	J	sp	<PQL			
4402596531	RISG-89-05.0-20200121	01/21/20	TO15SIMVOL	91-20-3	Naphthalene	0.47	J	0.14	0.82	ppbv	J+	c,sp	ICV %D; <PQL	36.85	30	%
4402596531	RISG-89-05.0-20200121	01/21/20	TO15SIMVOL	108-88-3	Toluene	0.41	J	0.25	0.82	ppbv	J	sp	<PQL			
4402596531	RISG-89-05.0-20200121	01/21/20	TO15VOL	64-17-5	Ethanol	4.9	J	1.7	8.2	ppbv	J	sp	<PQL			
4402596531	RISG-89-05.0-20200121	01/21/20	TO15VOL	75-27-4	Bromodichloromethane	0.67	J	0.6	1.6	ppbv	J	sp	<PQL			
4402596531	RISG-89-05.0-20200121	01/21/20	TO15VOL	67-64-1	Acetone	6.2	J	2.8	16	ppbv	J	sp	<PQL			

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.

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
440-232366-1	01/28/19 (SIA28013)	2-Butanone	21.2	PCDB-15-140.0-20190204 PCDB-15-150.0-20190204 PCDB-15-20190204-TB	NA	-
440-232366-1	02/06/19 (YIB06012)	Dichlorodifluoromethane	29.8	PCDB-15-50.0-20190204 PCDB-15-60.0-20190204 PCDB-15-70.0-20190204 PCDB-15-80.0-20190204 PCDB-15-90.0-20190204 PCDB-15-100.0-20190204 PCDB-15-110.0-20190204 PCDB-15-120.0-20190204 PCDB-15-130.0-20190204	UJ (all non-detects)	A

*Samples underwent Stage 2A validation
**Samples underwent Stage 4 validation

SDG	Date	Compound	%D	Associated Samples	Flag	A or P
440-232366-1	02/06/19 (YIB06012)	2-Butanone 4-Methyl-2-pentanone 2-Hexanone	28.3 29.0 28.2	PCDB-15-50.0-20190204 PCDB-15-60.0-20190204 PCDB-15-70.0-20190204 PCDB-15-80.0-20190204 PCDB-15-90.0-20190204 PCDB-15-100.0-20190204 PCDB-15-110.0-20190204 PCDB-15-120.0-20190204 PCDB-15-130.0-20190204	NA	-
440-232576-1	01/28/19 (SIA28013)	2-Butanone	21.2	PCDB-16-50.0-20190205 PCDB-16-60.0-20190205 PCDB-16-70.0-20190205 PCDB-16-80.0-20190205 PCDB-16-90.0-20190205 PCDB-16-100.0-20190205 PCDB-16-110.0-20190205 PCDB-16-120.0-20190205 PCDB-16-130.0-20190205 PCDB-16-140.0-20190205 PCDB-16-150.0-20190205 PCDB-16-80.0-20190205-FD PCDB-16-20190205-TB	NA	-
440-232727-1	01/28/19 (SIA28013)	2-Butanone	21.2	PCDB-17-50.0-20190206** PCDB-17-60.0-20190206** PCDB-17-70.0-20190206** PCDB-17-80.0-20190206** PCDB-17-90.0-20190206** PCDB-17-100.0-20190206 PCDB-17-110.0-20190206 PCDB-17-120.0-20190206 PCDB-17-130.0-20190206 PCDB-17-140.0-20190206 PCDB-17-150.0-20190206 PCDB-17-120.0-20190206-FD PCDB-17-20190206-TB	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
440-232576-1	02/08/19 (SIB08002)	1,2-Dibromo-3-chloropropane	20.2	PCDB-16-50.0-20190205 PCDB-16-60.0-20190205 PCDB-16-70.0-20190205 PCDB-16-80.0-20190205 PCDB-16-90.0-20190205 PCDB-16-120.0-20190205	UJ (all non-detects)	A

*Samples underwent Stage 2A validation
**Samples underwent Stage 4 validation

SDG	Date	Compound	%D	Associated Samples	Flag	A or P
440-232727-1	02/12/19 (SIB12032)	1,2-Dibromo-3-chloropropane	21.1	PCDB-17-50.0-20190206** PCDB-17-60.0-20190206** PCDB-17-70.0-20190206** PCDB-17-80.0-20190206** PCDB-17-90.0-20190206** PCDB-17-100.0-20190206 PCDB-17-110.0-20190206 PCDB-17-120.0-20190206 PCDB-17-130.0-20190206 PCDB-17-140.0-20190206 PCDB-17-150.0-20190206 PCDB-17-120.0-20190206-FD PCDB-17-20190206-TB	UJ (all non-detects)	A

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

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

V. Laboratory Blanks

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

VI. Field Blanks

Samples PCDB-15-20190204-TB (from SDG 440-232366-1), PCDB-16-20190205-TB (from SDG 440-232576-1), PCDB-17-20190206-TB (from SDG 440-232727-1), PC-198-20190801-TB* (from SDG 440-247074-1), PC-199-20190802-TB* (from SDG 440-247189-1), and PC-198-20190911-TB* (from SDG 440-249939-1) were identified as trip blanks. No contaminants were found with the following exceptions:

SDG	Blank ID	Collection Date	Compound	Concentration	Associated Samples
440-249939-1	PC-198-20190911-TB*	09/11/19	Methylene chloride	1.8 ug/L	PC-198-20190911*

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.

*Samples underwent Stage 2A validation
**Samples underwent Stage 4 validation

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
440-232576-1	PCDB-16-120.0-20190205MS/MSD (PCDB-16-120.0-20190205)	Acetone	173 (20-145)	156 (20-145)	NA	-
440-247074-1	PC-198-20190801MS/MSD (PC-198-20190801*)	Styrene	0 (29-150)	0 (29-150)	R (all non-detects)	A
440-247074-1	PC-198-20190801MS/MSD (PC-198-20190801*)	Bromoform	-	153 (59-150)	NA	-

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

SDG	Spike ID (Associated Samples)	Compound	RPD (Limits)	Flag	A or P
440-232727-1	PCDB-17-130.0-20190206MS/MSD (PCDB-17-130.0-20190206)	Hexachlorobutadiene 1,2,3-Trichlorobenzene 1,2,4-Trichlorobenzene	36 (≤35) 32 (≤30) 40 (≤30)	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	%R (Limits)	Flag	A or P
440-247074-1	LCS 440-561440/9 (PC-198-20190801* PC-198-20190801-TB*)	Bromoform Dibromochloromethane Naphthalene	164 (60-148) 147 (69-145) 151 (60-140)	NA	-

Relative percent differences (RPD) were within QC limits.

*Samples underwent Stage 2A validation
**Samples underwent Stage 4 validation

X. Field Duplicates

Samples PCDB-16-80.0-20190205 and PCDB-16-80.0-20190205-FD (both from SDG 440-232576-1) and samples PCDB-17-120.0-20190206 and PCDB-17-120.0-20190206-FD (both from SDG 440-232727-1) were identified as field duplicates. No results were detected in any of the samples with the following exceptions:

SDG	Compound	Concentration (ug/L)		RPD (Limits)	Flag	A or P
		PCDB-17-120.0-20190206	PCDB-17-120.0-20190206-FD			
440-232727-1	Acetone	0.014	0.014	0 (≤50)	-	-

XI. Internal Standards

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

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 2B and Stage 2A 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 and Stage 2A validation.

XIV. System Performance

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

XV. Overall Assessment of Data

The analysis was conducted within all specifications of the method.

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

Due to ICV %D and continuing calibration %D, data were qualified as estimated in twenty-nine samples.

*Samples underwent Stage 2A validation
**Samples underwent Stage 4 validation

NERT RI, Phase 3 Modifications 4, 5, 6 and 9
Volatiles - Data Qualification Summary - SDGs 440-232366-1, 440-232576-1, 440-232727-1, 440-247074-1, 440-247189-1, 440-249939-1

SDG	Sample	Compound	Flag	A or P	Reason (Code)
440-232366-1	PCDB-15-50.0-20190204 PCDB-15-60.0-20190204 PCDB-15-70.0-20190204 PCDB-15-80.0-20190204 PCDB-15-90.0-20190204 PCDB-15-100.0-20190204 PCDB-15-110.0-20190204 PCDB-15-120.0-20190204 PCDB-15-130.0-20190204	Dichlorodifluoromethane	UJ (all non-detects)	A	Initial calibration verification (%D) (c)
440-232576-1	PCDB-16-50.0-20190205 PCDB-16-60.0-20190205 PCDB-16-70.0-20190205 PCDB-16-80.0-20190205 PCDB-16-90.0-20190205 PCDB-16-120.0-20190205	1,2-Dibromo-3-chloropropane	UJ (all non-detects)	A	Continuing calibration (%D) (c)
440-232727-1	PCDB-17-50.0-20190206** PCDB-17-60.0-20190206** PCDB-17-70.0-20190206** PCDB-17-80.0-20190206** PCDB-17-90.0-20190206** PCDB-17-100.0-20190206 PCDB-17-110.0-20190206 PCDB-17-120.0-20190206 PCDB-17-130.0-20190206 PCDB-17-140.0-20190206 PCDB-17-150.0-20190206 PCDB-17-120.0-20190206-FD PCDB-17-20190206-TB	1,2-Dibromo-3-chloropropane	UJ (all non-detects)	A	Continuing calibration (%D) (c)
440-247074-1	PC-198-20190801*	Styrene	R (all non-detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)

NERT RI, Phase 3 Modifications 4, 5, 6 and 9
Volatiles - Laboratory Blank Data Qualification Summary - SDGs 440-232366-1, 440-232576-1, 440-232727-1, 440-247074-1, 440-247189-1, 440-249939-1

No Sample Data Qualified in these SDGs

NERT RI, Phase 3 Modifications 4, 5, 6 and 9
Volatiles - Field Blank Data Qualification Summary - SDGs 440-232366-1, 440-232576-1, 440-232727-1, 440-247074-1, 440-247189-1, 440-249939-1

No Sample Data Qualified in these SDGs

*Samples underwent Stage 2A validation
**Samples underwent Stage 4 validation

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-198-20190801-TB (from SDG 440-247074-1) and PC-198-20190911-TB (from SDG 440-249939-1) were identified as trip 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. Relative percent differences (RPD) were within QC limits.

IX. Laboratory Control Samples

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

X. Field Duplicates

No field duplicates were identified in these SDGs.

XI. Internal Standards

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.

NERT RI, Phase 3 Modifications 4, 5, 6 and 9
1,4-Dioxane & 1,2,3-Trichloropropane - Data Qualification Summary - SDGs 440-247074-1, 440-247189-1, 440-249939-1

No Sample Data Qualified in these SDGs

NERT RI, Phase 3 Modifications 4, 5, 6 and 9
1,4-Dioxane & 1,2,3-Trichloropropane - Laboratory Blank Data Qualification Summary - SDGs 440-247074-1, 440-247189-1, 440-249939-1

No Sample Data Qualified in these SDGs

NERT RI, Phase 3 Modifications 4, 5, 6 and 9
1,4-Dioxane & 1,2,3-Trichloropropane - Field Blank Data Qualification Summary - SDGs 440-247074-1, 440-247189-1, 440-249939-1

No Sample Data Qualified in these SDGs

ATTACHMENT C
VOC (EPA METHOD TO-15/TO-15 SIM) DVR

Volatile Organic Compounds (VOCs) by Environmental Protection Agency (EPA) Methods TO-15 and TO-15 in Selected Ion Monitoring (SIM) mode

I. Sample Receipt and Technical Holding Times

The canisters were properly pressurized and handled.

All technical holding time requirements were met.

II. GC/MS Instrument Performance Check

A bromofluorobenzene (BFB) tune was performed at 24 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.

The percent relative standard deviations (%RSD) were less than or equal to 30.0% for all compounds with the following exceptions:

SDG	Date	Compound	%RSD	Associated Samples	Flag	A or P
440-254542-1/ 1911228	08/21/19	2-Hexanone	35.896	RISG-25-15.0-20191104** RISG-24-5.0-20191105** RISG-24-15.0-20191105** RISG-13-5.0-20191107** RISG-29-15.0-20191108** RISG-29-5.0-20191108** RISG-25-5.0-20191104	UJ (all non-detects)	P
440-254542-1/ 1911228	11/18/19	1,2,3-Trichloropropane Hexachlorobutadiene	31.260 36.478	RISG-17-5.0-20191106**	UJ (all non-detects) UJ (all non-detects)	P
440-254542-1/ 1911228	09/09/19	1,2-Dibromo-3-chloropropane	31.072	RISG-22-5.0-20191107** RISG-13-15.0-20191107** RISG-26-5.0-20191105** RISG-23-15.0-20191107 RISG-21-15.0-20191107 RISG-15-5.0-20191106	UJ (all non-detects)	P
440-254542-1/ 1911228	10/14/19	Ethanol	39.788	RISG-23-5.0-20191107 RISG-21-5.0-20191107	UJ (all non-detects)	P
440-255597-1/ 1911554	10/14/19	Ethanol	39.788	RISG-27-15.0-20191115 RISG-27-5.0-20191115	J (all detects) UJ (all non-detects)	P
440-255597-1/ 1911554	11/07/19	1,2,3-Trichloropropane Hexachlorobutadiene	31.260 36.478	RISG-84-15.0-20191115	UJ (all non-detects) UJ (all non-detects)	P

SDG	Date	Compound	%RSD	Associated Samples	Flag	A or P
440-255990-1/ 1911420	10/14/19	Ethanol	39.788	RISG-7-10.0-20191111 RISG-9-5.0-20191112 RISG-9-5.0-20191112-FD RISG-2-15.0-20191112 RISG-2-5.0-20191112 RISG-2-5.0-20191112-FD RISG-28-5.0-20191113 RISG-28-5.0-20191113-FD RISG-28-15.0-20191113 RISG-3-15.0-20191113 RISG-3-5.0-20191113	J (all detects) UJ (all non-detects)	P
440-256089-1/ 1911422	10/14/19	Ethanol	39.788	RISG-7-5.0-20191111 RISG-4-5.0-20191112 RISG-5-5.0-20191112 RISG-5-5.0-20191112-FD RISG-5-15.0-20191112 RISG-8-5.0-20191112 RISG-30-5.0-20191113 RISG-30-5.0-20191113-FD RISG-30-10.0-20191113 RISG-30-10.0-20191113-FD	J (all detects) UJ (all non-detects)	P
440-256089-1/ 1911422	09/09/19	1,2-Dibromo-3-chloropropane	31.072	RISG-1-5.0-20191111 RISG-1-15.0-20191111 RISG-6-15.0-20191113	UJ (all non-detects)	P
440-256408-1/ 1911553	11/07/19	1,2,3-Trichloropropane Hexachlorobutadiene	31.260 36.478	RISG-83-15.0-20191115 RISG-80-5.0-20191115	UJ (all non-detects) UJ (all non-detects)	P
440-256821-1/ 1912138	10/14/19	Ethanol	39.788	RISG-78-15.0-20191202 RISG-78-5.0-20191202 RISG-75-15.0-20191203 RISG-75-5.0-20191203 RISG-74-15.0-20191203 RISG-74-15.0-20191203-FD RISG-74-5.0-20191203 RISG-74-5.0-20191203-FD RISG-72-5.0-20191204 RISG-72-15.0-20191204	J (all detects) UJ (all non-detects)	P
440-258222-1/ 1912313	10/14/19	Ethanol	39.788	RISG-69-5.0-20191209 RISG-69-15.0-20191209 RISG-55-5.0-20191210 RISG-54-5.0-20191210 RISG-52-15.0-20191211 RISG-52-5.0-20191211 RISG-53-15.0-20191211 RISG-53-5.0-20191211 RISG-57-5.0-20191212 RISG-58-5.0-20191212	J (all detects) UJ (all non-detects)	P

SDG	Date	Compound	%RSD	Associated Samples	Flag	A or P
440-258231-1/ 1912312	10/14/19	Ethanol	39.788	RISG-73-5.0-20191209 RISG-73-15.0-20191209 RISG-66-15.0-20191211 RISG-66-5.0-20191211 RISG-64-15.0-20191211 RISG-67-15.0-20191211 RISG-64-5.0-20191212 RISG-65-5.0-20191212 RISG-65-15.0-20191212 RISG-65-15.0-20191212-FD RISG-63-5.0-20191212	J (all detects)	P
440-258255-1/ 1912671	12/18/19	2-Hexanone 4-Ethyltoluene 1,2-Dichlorobenzene	32.612 36.540 30.423	RISG-63-15.0-20191212 RISG-62-5.0-20191213 RISG-62-15.0-20191213 RISG-60-5.0-20191213 RISG-59-5.0-20191213 RISG-61-5.0-20191216 RISG-61-5.0-20191216-FD RISG-76-5.0-20191216 RISG-79-5.0-20191217 RISG-79-15.0-20191217 RISG-90-15.0-20191217 RISG-88-5.0-20191218 RISG-88-15.0-20191218 RISG-90-5.0-20191217	J (all detects) UJ (all non-detects)	P
440-258255-1/ 1912671	12/18/19	1,4-Dichlorobenzene	36.211	RISG-63-15.0-20191212 RISG-62-5.0-20191213 RISG-62-15.0-20191213 RISG-60-5.0-20191213 RISG-59-5.0-20191213 RISG-61-5.0-20191216 RISG-61-5.0-20191216-FD RISG-76-5.0-20191216 RISG-79-5.0-20191217 RISG-79-15.0-20191217 RISG-90-15.0-20191217 RISG-88-5.0-20191218 RISG-88-15.0-20191218 RISG-90-5.0-20191217	J (all detects) UJ (all non-detects)	P
440-258441-1/ 2001025	12/18/19	2-Hexanone 4-Ethyltoluene 1,2-Dichlorobenzene	32.612 36.540 30.423	RISG-61-10.0-20191231	J (all detects) UJ (all non-detects)	P
440-258441-1/ 2001025	12/18/19	1,4-Dichlorobenzene	36.211	RISG-61-10.0-20191231	UJ (all non-detects)	P

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
440-254542-1/ 1911228	08/21/19 (21082115)	Hexachlorobutadiene	35.52	RISG-25-15.0-20191104** RISG-24-5.0-20191105** RISG-24-15.0-20191105** RISG-13-5.0-20191107** RISG-29-15.0-20191108** RISG-29-5.0-20191108** RISG-25-5.0-20191104	UJ (all non-detects)	P
440-254542-1/ 1911228	08/21/19 (21082115sim)	1,4-Dichlorobenzene	32.83	RISG-25-15.0-20191104** RISG-24-5.0-20191105** RISG-24-15.0-20191105** RISG-13-5.0-20191107** RISG-29-15.0-20191108** RISG-29-5.0-20191108** RISG-25-5.0-20191104	J- (all detects) UJ (all non-detects)	P
440-254542-1/ 1911228	11/08/19	Hexachlorobutadiene	34.16	RISG-17-5.0-20191106**	NA	-
440-254542-1/ 1911228	10/14/19	1,2,4-Trichlorobenzene	35.03	RISG-23-5.0-20191107 RISG-21-5.0-20191107	UJ (all non-detects)	P
440-255597-1/ 1911554	10/14/19	1,2,4-Trichlorobenzene	35.03	RISG-27-15.0-20191115 RISG-27-5.0-20191115	UJ (all non-detects)	P
440-255597-1/ 1911554	11/08/19	Hexachlorobutadiene	34.16	RISG-84-15.0-20191115	NA	-
440-255990-1/ 1911420	10/14/19	1,2,4-Trichlorobenzene	35.03	RISG-7-10.0-20191111 RISG-9-5.0-20191112 RISG-9-5.0-20191112-FD RISG-2-15.0-20191112 RISG-2-5.0-20191112 RISG-2-5.0-20191112-FD RISG-28-5.0-20191113 RISG-28-5.0-20191113-FD RISG-28-15.0-20191113 RISG-3-15.0-20191113 RISG-3-5.0-20191113	UJ (all non-detects)	P
440-256089-1/ 1911422	10/14/19	1,2,4-Trichlorobenzene	35.03	RISG-7-5.0-20191111 RISG-4-5.0-20191112 RISG-5-5.0-20191112 RISG-5-5.0-20191112-FD RISG-5-15.0-20191112 RISG-8-5.0-20191112 RISG-30-5.0-20191113 RISG-30-5.0-20191113-FD RISG-30-10.0-20191113 RISG-30-10.0-20191113-FD	UJ (all non-detects)	P
440-256408-1/ 1911553	11/08/19	Hexachlorobutadiene	34.16	RISG-83-15.0-20191115 RISG-80-5.0-20191115	NA	-

SDG	Date	Compound	%D	Associated Samples	Flag	A or P
440-256821-1/ 1912138	10/14/19	1,2,4-Trichlorobenzene	35.03	RISG-78-15.0-20191202 RISG-78-5.0-20191202 RISG-75-15.0-20191203 RISG-75-5.0-20191203 RISG-74-15.0-20191203 RISG-74-15.0-20191203-FD RISG-74-5.0-20191203 RISG-74-5.0-20191203-FD RISG-72-5.0-20191204 RISG-72-15.0-20191204	UJ (all non-detects)	P
440-258222-1/ 1912313	10/14/19	1,2,4-Trichlorobenzene	35.03	RISG-69-5.0-20191209 RISG-69-15.0-20191209 RISG-55-5.0-20191210 RISG-54-5.0-20191210 RISG-52-15.0-20191211 RISG-52-5.0-20191211 RISG-53-15.0-20191211 RISG-53-5.0-20191211 RISG-57-5.0-20191212 RISG-58-5.0-20191212	UJ (all non-detects)	P
440-258231-1/ 1912312	10/14/19	1,2,4-Trichlorobenzene	35.03	RISG-73-5.0-20191209 RISG-73-15.0-20191209 RISG-66-15.0-20191211 RISG-66-5.0-20191211 RISG-64-15.0-20191211 RISG-67-15.0-20191211 RISG-64-5.0-20191212 RISG-65-5.0-20191212 RISG-65-15.0-20191212 RISG-65-15.0-20191212-FD RISG-63-5.0-20191212	UJ (all non-detects)	P
440-258255-1/ 1912671	12/18/19	Ethanol	37.60	RISG-63-15.0-20191212 RISG-62-5.0-20191213 RISG-62-15.0-20191213 RISG-60-5.0-20191213 RISG-59-5.0-20191213 RISG-61-5.0-20191216 RISG-61-5.0-20191216-FD RISG-76-5.0-20191216 RISG-79-5.0-20191217 RISG-79-15.0-20191217 RISG-90-15.0-20191217 RISG-88-5.0-20191218 RISG-88-15.0-20191218 RISG-90-5.0-20191217	J+ (all detects)	P
440-258255-1/ 1912671	12/18/19	2-Hexanone alpha-Chlorotoluene	36.11 32.36	RISG-63-15.0-20191212 RISG-62-5.0-20191213 RISG-62-15.0-20191213 RISG-60-5.0-20191213 RISG-59-5.0-20191213 RISG-61-5.0-20191216 RISG-61-5.0-20191216-FD RISG-76-5.0-20191216 RISG-79-5.0-20191217 RISG-79-15.0-20191217 RISG-90-15.0-20191217 RISG-88-5.0-20191218 RISG-88-15.0-20191218 RISG-90-5.0-20191217	NA	-

SDG	Date	Compound	%D	Associated Samples	Flag	A or P
440-258441-1/ 2001025	12/18/19	Ethanol 2-Hexanone	37.60 36.11	RISG-61-10.0-20191231	J+ (all detects) J+ (all detects)	P
440-258441-1/ 2001025	12/18/19	alpha-Chlorotoluene	32.36	RISG-61-10.0-20191231	NA	-
440-259653-1/ 2001483	01/08/20	Naphthalene	36.85	RISG-89-05.0-20200121	J+ (all detects)	P
440-259653-1/ 2001483	01/08/20	Naphthalene	36.85	RISG-20-5.0-20200121 RISG-60-15.0-20200122	NA	-

IV. Continuing Calibration

Continuing calibration was performed at the required frequencies.

The 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
440-254542-1/ 1911228	11/15/19 (21111503)	1,2-Dichlorobenzene 1,3-Dichlorobenzene alpha-Chlorotoluene	30.53607 31.67755 33.54623	RISG-25-15.0-20191104** RISG-24-5.0-20191105** RISG-24-15.0-20191105** RISG-13-5.0-20191107** RISG-29-15.0-20191108** RISG-29-5.0-20191108** RISG-25-5.0-20191104	J- (all detects) UJ (all non-detects)	P
440-254542-1/ 1911228	11/15/19 (21111503sim)	1,4-Dichlorobenzene	38.82477	RISG-25-15.0-20191104** RISG-24-5.0-20191105** RISG-24-15.0-20191105** RISG-13-5.0-20191107** RISG-29-15.0-20191108** RISG-29-5.0-20191108** RISG-25-5.0-20191104	J- (all detects) UJ (all non-detects)	P
440-254542-1/ 1911228	11/21/19 (j112102)	Ethanol	31.22723	RISG-10-15.0-20191105** RISG-10-5.0-20191105** RISG-16-5.0-20191106** RISG-19-5.0-20191106** RISG-18-5.0-20191106** RISG-22-12.4-20191107** RISG-26-15.0-20191105 RISG-11-15.0-20191105 RISG-11-5.0-20191105 RISG-12-15.0-20191106 RISG-12-5.0-20191107 RISG-15-15.0-20191106 RISG-14-15.0-20191106 RISG-14-5.0-20191106	UJ (all non-detects)	P

SDG	Date	Compound	%D	Associated Samples	Flag	A or P
440-254542-1/ 1911228	11/21/19 (3112102)	Chloromethane	31.92691	RISG-22-5.0-20191107** RISG-13-15.0-20191107** RISG-26-5.0-20191105** RISG-23-15.0-20191107 RISG-21-15.0-20191107 RISG-15-5.0-20191106	UJ (all non-detects)	P
440-254542-1/ 1911228	11/21/19 (V112102)	Hexachlorobutadiene	30.68935	RISG-23-5.0-20191107 RISG-21-5.0-20191107	NA	-
440-254542-1/ 1911228	11/24/19	Hexachlorobutadiene Naphthalene 1,1,1,2-Tetrachloroethane	30.49110 37.88279 32.39224	RISG-17-5.0-20191106**	UJ (all non-detects) UJ (all non-detects) UJ (all non-detects)	P
440-255595-1/ 1911552	12/03/19 (22120303)	Ethanol	31.18652	RISG-81-14.0-20191118 RISG-81-5.0-20191118 RISG-87-5.0-20191119 RISG-87-15.0-20191119 RISG-85-5.0-20191119	J- (all detects)	P
440-255595-1/ 1911552	12/03/19 (22120303sim)	Chloromethane Freon 12	31.45794 37.33677	RISG-81-14.0-20191118 RISG-81-5.0-20191118 RISG-87-5.0-20191119 RISG-87-15.0-20191119 RISG-85-5.0-20191119	J- (all detects) UJ (all non-detects) J- (all detects) UJ (all non-detects)	P
440-255990-1/ 1911421	11/27/19	Freon 12	33.00823	RISG-33-5.0-20191114 RISG-33-15.0-20191114 RISG-31-5.0-20191114 RISG-32-5.0-20191114 RISG-32-15.0-20191114 RISG-34-5.0-20191114 RISG-34-15.0-20191114	J- (all detects)	P
440-255990-1/ 1911420	11/21/19	Hexachlorobutadiene	30.68935	RISG-7-10.0-20191111 RISG-9-5.0-20191112 RISG-9-5.0-20191112-FD RISG-2-15.0-20191112 RISG-2-5.0-20191112 RISG-2-5.0-20191112-FD RISG-28-5.0-20191113 RISG-28-5.0-20191113-FD RISG-28-15.0-20191113 RISG-3-15.0-20191113 RISG-3-5.0-20191113	NA	-
440-256089-1/ 1911422	11/25/19	Chloromethane	31.32033	RISG-1-5.0-20191111 RISG-1-15.0-20191111	UJ (all non-detects)	A
440-256089-1/ 1911422	11/27/19	Freon 12	33.00823	RISG-4-15.0-20191112	J- (all detects)	P

SDG	Date	Compound	%D	Associated Samples	Flag	A or P
440-256821-1/ 1912138	12/19/19	Tetrahydrofuran	32.55293	RISG-78-15.0-20191202 RISG-78-5.0-20191202 RISG-75-15.0-20191203 RISG-75-5.0-20191203 RISG-74-15.0-20191203 RISG-74-15.0-20191203-FD RISG-74-5.0-20191203 RISG-74-5.0-20191203-FD RISG-72-5.0-20191204 RISG-72-15.0-20191204	NA	-
440-258222-1/ 1912313	12/19/19	Tetrahydrofuran	32.55293	RISG-55-5.0-20191210 RISG-54-5.0-20191210	NA	-
440-258222-1/ 1912313	12/20/19	Tetrahydrofuran Hexachlorobutadiene	34.85723 39.30476	RISG-53-15.0-20191211 RISG-53-5.0-20191211 RISG-57-5.0-20191212 RISG-58-5.0-20191212	NA	-
440-258222-1/ 1912313	12/29/19	Chloromethane	33.92664	RISG-58-15.0-20191212	NA	-
440-258231-1/ 1912312	12/20/19	Tetrahydrofuran Hexachlorobutadiene	34.85723 39.30476	RISG-73-5.0-20191209 RISG-73-15.0-20191209 RISG-67-5.0-20191210	NA	-
440-258255-1/ 1912671	01/03/20	1,4-Dichlorobenzene	32.53226	RISG-63-15.0-20191212 RISG-62-5.0-20191213 RISG-62-15.0-20191213 RISG-60-5.0-20191213 RISG-59-5.0-20191213 RISG-61-5.0-20191216 RISG-61-5.0-20191216-FD RISG-76-5.0-20191216 RISG-79-5.0-20191217 RISG-79-15.0-20191217	J- (all detects) UJ (all non-detects)	P
440-258255-1/ 1912671	01/06/20	1,4-Dichlorobenzene	34.27500	RISG-90-15.0-20191217 RISG-88-5.0-20191218 RISG-88-15.0-20191218 RISG-90-5.0-20191217	UJ (all non-detects)	P
440-258441-1/ 2001025	01/06/20	1,4-Dichlorobenzene	34.27500	RISG-61-10.0-20191231	UJ (all non-detects)	P

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
440-254542-1/ 1911228	1911228ARI-11B	11/15/19	Naphthalene	0.16 ug/m^3	RISG-25-15.0-20191104** RISG-24-5.0-20191105** RISG-24-15.0-20191105** RISG-13-5.0-20191107** RISG-29-15.0-20191108** RISG-29-5.0-20191108** RISG-25-5.0-20191104
440-254542-1/ 1911228	1911228ARI-11D	11/24/19	1,2,4-Trimethylbenzene 1,3,5-Trimethylbenzene Naphthalene	16 ug/m^3 6.3 ug/m^3 19 ug/m^3	RISG-17-5.0-20191106**
440-254542-1/ 1911228	1911228BRI-21D	11/21/19	4-Ethyltoluene Hexachlorobutadiene	0.41 ug/m^3 1.3 ug/m^3	RISG-22-5.0-20191107** RISG-13-15.0-20191107** RISG-26-5.0-20191105** RISG-23-15.0-20191107 RISG-21-15.0-20191107 RISG-15-5.0-20191106
440-255595-1/ 1911552	1911552A-09A	12/03/19	1,2,4-Trichlorobenzene alpha-Chlorotoluene	0.86 ug/m^3 0.14 ug/m^3	RISG-81-14.0-20191118 RISG-81-5.0-20191118 RISG-87-5.0-20191119 RISG-87-15.0-20191119 RISG-85-5.0-20191119
440-255595-1/ 1911552	1911552A-09B	12/03/19	1,2-Dibromoethane 1,2-Dichloroethane 1,4-Dichlorobenzene Benzene Ethylbenzene m,p-Xylene o-Xylene Toluene	0.020 ug/m^3 0.0068 ug/m^3 0.072 ug/m^3 0.046 ug/m^3 0.019 ug/m^3 0.041 ug/m^3 0.015 ug/m^3 0.16 ug/m^3	RISG-81-14.0-20191118 RISG-81-5.0-20191118 RISG-87-5.0-20191119 RISG-87-15.0-20191119 RISG-85-5.0-20191119
440-255597-1/ 1911554	1911554A-05C	12/04/19	Methylene chloride	2.3 ug/m^3	RISG-84-5.0-20191115
440-255597-1/ 1911554	1911554A-05B	12/04/19	1,1,2,2-Tetrachloroethane	0.068 ug/m^3	RISG-27-15.0-20191115 RISG-27-5.0-20191115
440-255990-1/ 1911421	1911421ARI-08A	11/27/19	1,2,4-Trichlorobenzene alpha-Chlorotoluene	0.76 ug/m^3 0.12 ug/m^3	RISG-33-5.0-20191114 RISG-33-15.0-20191114 RISG-31-5.0-20191114 RISG-32-5.0-20191114 RISG-32-15.0-20191114 RISG-34-5.0-20191114 RISG-34-15.0-20191114

SDG	Blank ID	Analysis Date	Compound	Concentration	Associated Samples
440-255990-1/ 1911421	1911421ARI-08B	11/27/19	1,4-Dichlorobenzene Ethylbenzene m,p-Xylene o-Xylene Toluene	0.065 ug/m^3 0.0078 ug/m^3 0.033 ug/m^3 0.012 ug/m^3 0.015 ug/m^3	RISG-33-5.0-20191114 RISG-33-15.0-20191114 RISG-31-5.0-20191114 RISG-32-5.0-20191114 RISG-32-15.0-20191114 RISG-34-5.0-20191114 RISG-34-15.0-20191114
440-256089-1/ 1911422	1911422ARI-14D	11/27/19	1,2,4-Trichlorobenzene alpha-Chlorotoluene	0.76 ug/m^3 0.12 ug/m^3	RISG-4-15.0-20191112
440-256089-1/ 1911422	1911422ARI-14E	11/27/19	1,4-Dichlorobenzene Ethylbenzene m,p-Xylene o-Xylene Toluene	0.065 ug/m^3 0.0078 ug/m^3 0.033 ug/m^3 0.012 ug/m^3 0.015 ug/m^3	RISG-4-15.0-20191112
440-256408-1/ 1911553	1911553A-05B	12/04/19	Methylene chloride	2.3 ug/m^3	RISG-83-5.0-20191115 RISG-80-15.0-20191115
440-256821-1/ 1912138	1912138B-15A	12/18/19	Methylene chloride	0.13 ug/m^3	RISG-72-5.0-20191204 RISG-72-15.0-20191204
440-256821-1/ 1912138	1912138B-15B	12/18/19	1,1,2,2-Tetrachloroethane 1,2-Dibromoethane 1,4-Dichlorobenzene Naphthalene	0.076 ug/m^3 0.027 ug/m^3 0.069 ug/m^3 0.066 ug/m^3	RISG-72-5.0-20191204 RISG-72-15.0-20191204
440-256821-1/ 1912138	1912138B-15C	12/20/19	Naphthalene	0.28 ug/m^3	RISG-77-15.0-20191122 RISG-77-4.5-20191122
440-256821-1/ 1912138	1912138A-11A	12/19/19	Methylene chloride	0.13 ug/m^3	RISG-78-15.0-20191202 RISG-78-5.0-20191202 RISG-75-15.0-20191203 RISG-75-5.0-20191203 RISG-74-15.0-20191203 RISG-74-15.0-20191203-FD RISG-74-5.0-20191203 RISG-74-5.0-20191203-FD
440-256821-1/ 1912138	1912138A-11C	12/20/19	Naphthalene	0.28 ug/m^3	RISG-86-14.0-20191202 RISG-86-5.0-20191202 RISG-77-15.0-20191122 RISG-77-4.5-20191122
440-258222-1/ 1912313	1912313A-11A	12/18/19	Methylene chloride	0.13 ug/m^3	RISG-69-5.0-20191209 RISG-69-15.0-20191209 RISG-52-15.0-20191211
440-258222-1/ 1912313	1912313A-11B	12/18/19	1,1,2,2-Tetrachloroethane 1,2-Dibromoethane 1,4-Dichlorobenzene Naphthalene	0.076 ug/m^3 0.027 ug/m^3 0.069 ug/m^3 0.066 ug/m^3	RISG-69-5.0-20191209 RISG-69-15.0-20191209 RISG-52-15.0-20191211
440-258222-1/ 1912313	1912313A-11C	12/19/19	Methylene chloride	0.13 ug/m^3	RISG-55-5.0-20191210 RISG-54-5.0-20191210

SDG	Blank ID	Analysis Date	Compound	Concentration	Associated Samples
440-258222-1/ 1912313	1912313A-11E	12/20/19	Naphthalene	0.28 ug/m^3	RISG-55-15.0-20191210 RISG-54-15.0-20191210 RISG-56-5.0-20191210
440-258222-1/ 1912313	1912313B-17B	12/20/19	1,1,2,2-Tetrachloroethane Naphthalene	0.067 ug/m^3 0.048 ug/m^3	RISG-53-15.0-20191211 RISG-53-5.0-20191211 RISG-57-5.0-20191212
440-258222-1/ 1912313	1912313B-17C	12/29/19	1,2,4-Trichlorobenzene 1,2,4-Trimethylbenzene Hexachlorobutadiene	0.41 ug/m^3 1.7 ug/m^3 3.7 ug/m^3	RISG-58-15.0-20191212
440-258231-1/ 1912312	1912312A-12B	12/20/19	1,1,2,2-Tetrachloroethane Naphthalene	0.067 ug/m^3 0.048 ug/m^3	RISG-73-5.0-20191209 RISG-73-15.0-20191209 RISG-67-5.0-20191210
440-258231-1/ 1912312	1912312B-21A	12/22/19	Methylene chloride	0.14 ug/m^3	RISG-66-15.0-20191211 RISG-66-5.0-20191211
440-258231-1/ 1912312	1912312B-21B	12/23/19	1,1,2,2-Tetrachloroethane 1,2-Dibromoethane Naphthalene	0.066 ug/m^3 0.026 ug/m^3 0.048 ug/m^3	RISG-66-15.0-20191211 RISG-66-5.0-20191211
440-258231-1/ 1912312	1912312B-21C	12/27/19	alpha-Chlorotoluene Methylene chloride	0.23 ug/m^3 0.27 ug/m^3	RISG-64-15.0-20191211 RISG-67-15.0-20191211 RISG-64-5.0-20191212 RISG-65-5.0-20191212 RISG-65-15.0-20191212 RISG-65-15.0-20191212-FD RISG-63-5.0-20191212
440-258231-1/ 1912312	1912312B-21D	12/27/19	1,1,2,2-Tetrachloroethane 1,2-Dibromoethane 1,4-Dichlorobenzene Chloroethane Naphthalene	0.13 ug/m^3 0.048 ug/m^3 0.10 ug/m^3 0.026 ug/m^3 0.11 ug/m^3	RISG-64-15.0-20191211 RISG-67-15.0-20191211 RISG-64-5.0-20191212 RISG-65-5.0-20191212 RISG-65-15.0-20191212 RISG-65-15.0-20191212-FD RISG-63-5.0-20191212
440-258255-1/ 1912671	1912671A-14A	01/03/20	1,2,4-Trichlorobenzene Hexachlorobutadiene	0.75 ug/m^3 0.84 ug/m^3	RISG-63-15.0-20191212 RISG-62-5.0-20191213 RISG-62-15.0-20191213 RISG-60-5.0-20191213 RISG-59-5.0-20191213 RISG-61-5.0-20191216 RISG-61-5.0-20191216-FD RISG-76-5.0-20191216 RISG-79-5.0-20191217 RISG-79-15.0-20191217

SDG	Blank ID	Analysis Date	Compound	Concentration	Associated Samples
440-258255-1/ 1912671	1912671A-14B	01/03/20	1,1,2,2-Tetrachloroethane 1,2-Dichloroethane 1,4-Dichlorobenzene m,p-Xylene Naphthalene Vinyl chloride	0.029 ug/m^3 0.016 ug/m^3 0.10 ug/m^3 0.034 ug/m^3 0.086 ug/m^3 0.0097 ug/m^3	RISG-63-15.0-20191212 RISG-62-5.0-20191213 RISG-62-15.0-20191213 RISG-60-5.0-20191213 RISG-59-5.0-20191213 RISG-61-5.0-20191216 RISG-61-5.0-20191216-FD RISG-76-5.0-20191216 RISG-79-5.0-20191217 RISG-79-15.0-20191217
440-258255-1/ 1912671	1912671B-23B	01/06/20	m,p-Xylene Naphthalene	0.040 ug/m^3 0.056 ug/m^3	RISG-90-15.0-20191217 RISG-88-5.0-20191218 RISG-88-15.0-20191218 RISG-90-5.0-20191217
440-258441-1/ 2001025	2001025A-02B	01/06/20	m,p-Xylene Naphthalene	0.040 ug/m^3 0.056 ug/m^3	RISG-61-10.0-20191231
440-259653-1/ 2001483	2001483A-07A	01/23/20	Methylene chloride	0.10 ug/m^3	RISG-20-5.0-20200121 RISG-89-05.0-20200121 RISG-60-15.0-20200122
440-259653-1/ 2001483	2001483A-07C	01/23/20	Hexachlorobutadiene	3.0 ug/m^3	RISG-20-15.0-20200121 RISG-59-15.0-20200122 RISG-76-15.0-20200122

Canister blank analyses were performed for every sample canister. No contaminants were found in the canister blanks.

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
440-254542-1/ 1911228	RISG-17-5.0-20191106** (7.75X)	1,2,4-Trimethylbenzene 1,3,5-Trimethylbenzene	37 ug/m^3 53 ug/m^3	37J ug/m^3 53J ug/m^3
440-254542-1/ 1911228	RISG-23-15.0-20191107 (14.8X)	Hexachlorobutadiene	24 ug/m^3	24J ug/m^3
440-255595-1/ 1911552	RISG-81-14.0-20191118 (5.87X)	1,2,4-Trichlorobenzene 1,2-Dichloroethane 1,4-Dichlorobenzene Ethylbenzene m,p-Xylene o-Xylene	6.9 ug/m^3 0.21 ug/m^3 0.60 ug/m^3 0.26 ug/m^3 0.82 ug/m^3 0.33 ug/m^3	6.9J ug/m^3 0.21J ug/m^3 0.60J ug/m^3 0.26J ug/m^3 0.82J ug/m^3 0.33J ug/m^3
440-255595-1/ 1911552	RISG-81-5.0-20191118 (17.9X)	1,2-Dichloroethane Benzene	0.21 ug/m^3 2.6 ug/m^3	0.21J ug/m^3 2.6J ug/m^3

SDG	Sample	Compound	Reported Concentration	Modified Final Concentration
440-255595-1/ 1911552	RISG-87-5.0-20191119 (2.00X)	1,2-Dichloroethane 1,4-Dichlorobenzene	0.063 ug/m^3 0.19 ug/m^3	0.063J ug/m^3 0.19J ug/m^3
440-255595-1/ 1911552	RISG-87-15.0-20191119 (3.94X)	Ethylbenzene	0.33 ug/m^3	0.33J ug/m^3
440-255595-1/ 1911552	RISG-85-5.0-20191119 (17.0X)	Benzene Ethylbenzene m,p-Xylene o-Xylene	2.1 ug/m^3 0.74 ug/m^3 1.3 ug/m^3 1.1 ug/m^3	2.1J ug/m^3 0.74J ug/m^3 1.3J ug/m^3 1.1J ug/m^3
440-255990-1/ 1911420/ 1911421	RISG-33-5.0-20191114 (8.70X)	1,2,4-Trichlorobenzene m,p-Xylene o-Xylene Toluene	21 ug/m^3 0.21 ug/m^3 0.17 ug/m^3 0.097 ug/m^3	21J ug/m^3 0.21J ug/m^3 0.17J ug/m^3 0.097J ug/m^3
440-255990-1/ 1911420/ 1911421	RISG-33-15.0-20191114 (17.7X)	m,p-Xylene o-Xylene Toluene	0.82 ug/m^3 0.54 ug/m^3 0.26 ug/m^3	0.82J ug/m^3 0.54J ug/m^3 0.26J ug/m^3
440-255990-1/ 1911420/ 1911421	RISG-31-5.0-20191114 (1.73X)	Ethylbenzene m,p-Xylene o-Xylene Toluene	0.014 ug/m^3 0.032 ug/m^3 0.018 ug/m^3 0.088 ug/m^3	0.014J ug/m^3 0.032J ug/m^3 0.018J ug/m^3 0.088J ug/m^3
440-255990-1/ 1911420/ 1911421	RISG-32-5.0-20191114 (1.60X)	m,p-Xylene o-Xylene Toluene	0.029 ug/m^3 0.012 ug/m^3 0.036 ug/m^3	0.029J ug/m^3 0.012J ug/m^3 0.036J ug/m^3
440-255990-1/ 1911420/ 1911421	RISG-32-15.0-20191114 (1.69X)	Ethylbenzene m,p-Xylene o-Xylene Toluene	0.013 ug/m^3 0.036 ug/m^3 0.017 ug/m^3 0.053 ug/m^3	0.013J ug/m^3 0.036J ug/m^3 0.017J ug/m^3 0.053J ug/m^3
440-255990-1/ 1911420/ 1911421	RISG-34-5.0-20191114 (1.80X)	Ethylbenzene m,p-Xylene o-Xylene Toluene	0.025 ug/m^3 0.048 ug/m^3 0.018 ug/m^3 0.044 ug/m^3	0.025J ug/m^3 0.048J ug/m^3 0.018J ug/m^3 0.044J ug/m^3
440-255990-1/ 1911420/ 1911421	RISG-34-15.0-20191114 (1.72X)	Ethylbenzene m,p-Xylene o-Xylene	0.084 ug/m^3 0.16 ug/m^3 0.073 ug/m^3	0.084J ug/m^3 0.16J ug/m^3 0.073J ug/m^3
440-256089-1/ 1911422	RISG-4-15.0-20191112 (8.55X)	Ethylbenzene m,p-Xylene o-Xylene Toluene	0.14 ug/m^3 0.36 ug/m^3 0.18 ug/m^3 0.63 ug/m^3	0.14J ug/m^3 0.36J ug/m^3 0.18J ug/m^3 0.63J ug/m^3
440-256408-1/ 1911553	RISG-80-15.0-20191115 (6.99X)	Methylene chloride	14 ug/m^3	14J ug/m^3
440-256821-1/ 1912138	RISG-72-5.0-20191204 (4.25X)	1,2-Dibromoethane	0.12 ug/m^3	0.12J ug/m^3

SDG	Sample	Compound	Reported Concentration	Modified Final Concentration
440-256821-1/ 1912138	RISG-72-15.0-20191204 (8.45X)	Naphthalene	0.49 ug/m^3	0.49J ug/m^3
440-256821-1/ 1912138	RISG-78-15.0-20191202 (4.60X)	Methylene chloride	0.67 ug/m^3	0.67J ug/m^3
440-256821-1/ 1912138	RISG-78-5.0-20191202 (1.94X)	Methylene chloride	0.35 ug/m^3	0.35J ug/m^3
440-256821-1/ 1912138	RISG-75-5.0-20191203 (5.57X)	Methylene chloride	0.95 ug/m^3	0.95J ug/m^3
440-256821-1/ 1912138	RISG-74-5.0-20191203 (18.0X)	Methylene chloride	10 ug/m^3	10J ug/m^3
440-256821-1/ 1912138	RISG-74-5.0-20191203-FD (17.3X)	Methylene chloride	12 ug/m^3	12J ug/m^3
440-258222-1/ 1912313	RISG-69-5.0-20191209 (4.42X)	Methylene chloride Naphthalene	1.3 ug/m^3 0.56 ug/m^3	1.3J ug/m^3 0.56J ug/m^3
440-258222-1/ 1912313	RISG-69-15.0-20191209 (9.30X)	Methylene chloride	5.4 ug/m^3	5.4J ug/m^3
440-258222-1/ 1912313	RISG-52-5.0-20191211 (1.71X)	Methylene chloride 1,2-Dibromoethane Naphthalene	0.40 ug/m^3 0.098 ug/m^3 0.096 ug/m^3	0.40J ug/m^3 0.098J ug/m^3 0.096J ug/m^3
440-258222-1/ 1912313	RISG-53-5.0-20191211 (1.61X)	Naphthalene	0.094 ug/m^3	0.094J ug/m^3
440-258231-1/ 1912312	RISG-66-15.0-20191211 (2.67X)	Methylene chloride 1,2-Dibromoethane Naphthalene	1.3 ug/m^3 0.16 ug/m^3 0.33 ug/m^3	1.3J ug/m^3 0.16J ug/m^3 0.33J ug/m^3
440-258231-1/ 1912312	RISG-66-5.0-20191211 (1.58X)	Methylene chloride Naphthalene	0.42 ug/m^3 0.15 ug/m^3	0.42J ug/m^3 0.15J ug/m^3
440-258231-1/ 1912312	RISG-64-5.0-20191212 (3.42X)	Methylene chloride Naphthalene	0.40 ug/m^3 0.18 ug/m^3	0.40J ug/m^3 0.18J ug/m^3
440-258231-1/ 1912312	RISG-65-5.0-20191212 (1.87X)	Methylene chloride 1,4-Dichlorobenzene Chloroethane Naphthalene	0.75 ug/m^3 0.14 ug/m^3 0.22 ug/m^3 0.16 ug/m^3	0.75J ug/m^3 0.14J ug/m^3 0.22J ug/m^3 0.16J ug/m^3
440-258231-1/ 1912312	RISG-65-15.0-20191212 (5.83X)	Methylene chloride 1,2-Dibromoethane Chloroethane Naphthalene	1.1 ug/m^3 0.17 ug/m^3 0.52 ug/m^3 0.28 ug/m^3	1.1J ug/m^3 0.17J ug/m^3 0.52J ug/m^3 0.28J ug/m^3

SDG	Sample	Compound	Reported Concentration	Modified Final Concentration
440-258231-1/ 1912312	RISG-65-15.0-20191212-FD (5.37X)	Methylene chloride 1,2-Dibromoethane Chloroethane	0.83 ug/m^3 0.14 ug/m^3 0.54 ug/m^3	0.83J ug/m^3 0.14J ug/m^3 0.54J ug/m^3
440-258255-1/ 1912671	RISG-79-5.0-20191217 (15.2X)	Hexachlorobutadiene m,p-Xylene	16 ug/m^3 2.3 ug/m^3	16J ug/m^3 2.3J ug/m^3
440-258255-1/ 1912671	RISG-79-15.0-20191217 (3.42X)	Hexachlorobutadiene 1,2-Dichloroethane Naphthalene	6.2 ug/m^3 0.091 ug/m^3 0.26 ug/m^3	6.2J ug/m^3 0.091J ug/m^3 0.26J ug/m^3
440-258255-1/ 1912671	RISG-63-15.0-20191212 (16.4X)	m,p-xylene	1.4 ug/m^3	1.4J ug/m^3
440-258255-1/ 1912671	RISG-60-5.0-20191213 (14.9X)	Naphthalene	0.76 ug/m^3	0.76J ug/m^3
440-258255-1/ 1912671	RISG-59-5.0-20191213 (18.7X)	m,p-Xylene	2.2 ug/m^3	2.2J ug/m^3
440-258255-1/ 1912671	RISG-61-5.0-20191216 (2.05X)	1,4-Dichlorobenzene	0.18 ug/m^3	0.18J ug/m^3
440-258255-1/ 1912671	RISG-61-5.0-20191216-FD (2.01X)	1,4-Dichlorobenzene Naphthalene	0.22 ug/m^3 0.30 ug/m^3	0.22J ug/m^3 0.30J ug/m^3
440-258255-1/ 1912671	RISG-90-15.0-20191217 (17.4X)	m,p-Xylene	1.4 ug/m^3	1.4J ug/m^3
440-258255-1/ 1912671	RISG-88-5.0-20191218 (3.02X)	Naphthalene	0.15 ug/m^3	0.15J ug/m^3
440-258255-1/ 1912671	RISG-88-15.0-20191218 (8.30X)	m,p-Xylene	0.98 ug/m^3	0.98J ug/m^3
440-258255-1/ 1912671	RISG-90-5.0-20191217 (3.92X)	Naphthalene	0.21 ug/m^3	0.21J ug/m^3
440-258441-1/ 2001025	RISG-61-10.0-20191231 (3.42X)	Naphthalene	0.044 ug/m^3	0.044J ug/m^3
440-259653-1/ 2001483	RISG-20-5.0-20200121 (18.4X)	Methylene chloride	4.2 ug/m^3	4.2J ug/m^3
440-259653-1/ 2001483	RISG-60-15.0-20200122 (17.4X)	Methylene chloride	2.2 ug/m^3	2.2J ug/m^3
440-259653-1/ 2001483	RISG-20-15.0-20200121 (8.52X)	Hexachlorobutadiene	48 ug/m^3	48J ug/m^3

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.

VIII. Duplicate Sample Analysis

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

IX. 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
440-254542-1/ 1911228	LCS/LCSD 1911228ARI-13A/13AA (RISG-25-15.0-20191104** RISG-24-5.0-20191105** RISG-24-15.0-20191105** RISG-13-5.0-20191107** RISG-29-15.0-20191108** RISG-29-5.0-20191108** RISG-25-5.0-20191104)	1,2,4-Trichlorobenzene Hexachlorobutadiene	66 (70-130) 60 (70-130)	- -	UJ (all non-detects) UJ (all non-detects)	P
440-254542-1/ 1911228	LCS/LCSD 1911228ARI-13B/13BB (RISG-25-15.0-20191104** RISG-24-5.0-20191105** RISG-24-15.0-20191105** RISG-13-5.0-20191107** RISG-29-15.0-20191108** RISG-29-5.0-20191108** RISG-25-5.0-20191104)	1,4-Dichlorobenzene	66 (70-130)	65 (70-130)	J- (all detects) UJ (all non-detects)	P
440-254542-1/ 1911228	LCS/LCSD 1911228BRI-23D/23DD (RISG-22-5.0-20191107** RISG-13-15.0-20191107** RISG-26-5.0-20191105** RISG-23-15.0-20191107 RISG-21-15.0-20191107 RISG-15-5.0-20191106)	Naphthalene Ethanol	67 (70-130) 56 (70-130)	68 (70-130) 59 (70-130)	UJ (all non-detects) UJ (all non-detects)	P
440-255595-1/ 1911552	LCS/LCSD 1911552A-11B/11BB (RISG-81-14.0-20191118 RISG-81-5.0-20191118 RISG-87-5.0-20191119 RISG-87-15.0-20191119 RISG-85-5.0-20191119)	Chloromethane Freon 12	69 (70-130) 63 (70-130)	- 65 (70-130)	J- (all detects) UJ (all non-detects) J- (all detects) UJ (all non-detects)	P

SDG	LCS ID (Associated Samples)	Compound	LCS %R (Limits)	LCSD %R (Limits)	Flag	A or P
440-256089-1/ 1911422	LCS/LCSD 1911422ARI-16C/16CC (RISG-1-5.0-20191111 RISG-1-15.0-20191111 RISG-6-15.0-20191113)	Ethanol	58 (70-130)	58 (70-130)	UJ (all non-detects)	P
440-256089-1/ 1911422	LCS/LCSD 1911422BRI-19B/19BB (RISG-6-5.0-20191113 RISG-6-5.0-20191113-FD)	Ethanol	55 (70-130)	60 (70-130)	UJ (all non-detects)	P
440-258222-1/ 1912313	LCS/LCSD 1912313B-19C/19CC (RISG-58-15.0-20191212)	Chloromethane	-	138 (70-130)	NA	-
440-258231-1/ 1912312	LCS/LCSD 1912312B-23A/23AA (RISG-66-15.0-20191211 RISG-66-5.0-20191211)	Hexachlorobutadiene	139 (70-130)	-	NA	-
440-258231-1/ 1912312	LCS/LCSD 1912312B-23C (RISG-64-15.0-20191211 RISG-67-15.0-20191211 RISG-64-5.0-20191212 RISG-65-5.0-20191212 RISG-65-15.0-20191212 RISG-65-15.0-20191212-FD RISG-63-5.0-20191212)	4-Methyl-2-pentanone Heptane	135 (70-130) 131 (70-130)	135 (70-130) -	NA	-
440-258231-1/ 1912312	LCS/LCSD 1912312B-23C (RISG-64-15.0-20191211 RISG-67-15.0-20191211 RISG-64-5.0-20191212 RISG-65-5.0-20191212 RISG-65-15.0-20191212 RISG-65-15.0-20191212-FD RISG-63-5.0-20191212)	Acetone	142 (70-130)	140 (70-130)	J+ (all detects)	P
440-258231-1/ 1912312	LCS/LCSD 1912312B-23D (RISG-64-15.0-20191211 RISG-67-15.0-20191211 RISG-64-5.0-20191212 RISG-65-5.0-20191212 RISG-65-15.0-20191212 RISG-65-15.0-20191212-FD)	Chloromethane	132 (70-130)	-	J+ (all detects)	P
440-258255-1/ 1912671	LCS/LCSD 191267B-25A (RISG-90-15.0-20191217 RISG-88-5.0-20191218 RISG-88-15.0-20191218 RISG-90-5.0-20191217)	4-Methyl-2-pentanone alpha-Chlorotoluene 2-Hexanone	134 (70-130) 133 (70-130) -	132 (70-130) - 133 (70-130)	NA	-
440-258255-1/ 1912671	LCS/LCSD 191267B-25A (RISG-90-15.0-20191217 RISG-88-5.0-20191218 RISG-88-15.0-20191218 RISG-90-5.0-20191217)	Ethanol	-	132 (70-130)	J+ (all detects)	P
440-258441-1/ 2001025	LCS/LCSD 2001025A-04A/04AA (RISG-61-10.0-20191231)	4-Methyl-2-pentanone 2-Hexanone Ethanol	134 (70-130) - -	132 (70-130) 133 (70-130) 132 (70-130)	J+ (all detects) J+ (all detects) J+ (all detects)	P

SDG	LCS ID (Associated Samples)	Compound	LCS %R (Limits)	LCSD %R (Limits)	Flag	A or P
440-258441-1/ 2001025	LCS/LCSD 2001025A-04A/04AA (RISG-61-10.0-20191231)	alpha-Chlorotoluene	133 (70-130)	-	NA	-

Relative percent differences (RPD) were within QC limits.

X. Field Duplicates

Samples RISG-9-5.0-20191112 and RISG-9-5.0-20191112-FD (both from SDG 440-255990-1/1911420), samples RISG-2-5.0-20191112 and RISG-2-5.0-20191112-FD (both from SDG 440-255990-1/1911420), samples RISG-28-5.0-20191113 and RISG-28-5.0-20191113-FD (both from SDG 440-255990-1/1911420), samples RISG-6-5.0-20191113 and RISG-6-5.0-20191113-FD (both from SDG 440-256089-1/1911422), samples RISG-5-5.0-20191112 and RISG-5-5.0-20191112-FD (both from SDG 440-256089-1/1911422), samples RISG-30-5.0-20191113 and RISG-30-5.0-20191113-FD (both from SDG 440-256089-1/1911422), samples RISG-30-10.0-20191113 and RISG-30-10.0-20191113-FD (both from SDG 440-256089-1/1911422), samples RISG-74-15.0-20191203 and RISG-74-15.0-20191203-FD (both from SDG 440-256821-1/1912138), samples RISG-74-5.0-20191203 and RISG-74-5.0-20191203-FD (both from SDG 440-256821-1/1912138), samples RISG-68-15.0-20191210 and RISG-68-15.0-20191210-FD (both from 440-258231-1/1912312), samples RISG-71-5.0-20191211 and RISG-71-5.0-20191211-FD (both from 440-258231-1/1912312), samples RISG-65-15.0-20191212 and RISG-65-15.0-20191212-FD (both from 440-258231-1/1912312), samples RISG-61-5.0-20191216 and RISG-61-5.0-20191216-FD (both from SDG 440-258255-1/1912671), and samples RISG-89-15.0-20200108 and RISG-89-15.0-20200108-FD (both from SDG 440-259192-1/2001124) 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-9-5.0-20191112	RISG-9-5.0-20191112-FD			
440-255990-1/ 1911420	1,3-Dichlorobenzene	1.2	1.0	18 (≤50)	-	-
	2-Butanone	0.64	1.1	53 (≤50)	NQ	-
	Acetone	3.6	4.0	11 (≤50)	-	-
	Bromodichloromethane	1.9	2.1	10 (≤50)	-	-
	Chlorobenzene	0.50	0.32	44 (≤50)	-	-
	Freon 11	1.3	1.2	8 (≤50)	-	-
	Freon 113	0.42	0.51	19 (≤50)	-	-

SDG	Compound	Concentration (ug/m³)		RPD (Limits)	Flag	A or P
		RISG-9-5.0-20191112	RISG-9-5.0-20191112-FD			
440-255990-1/ 1911420	Methylene chloride	2.4	2.3	4 (≤50)	-	-
	1,1,2-Trichloroethane	0.19U	0.072	200 (≤50)	NQ	-
	1,1-Dichloroethane	6.5	6.6	2 (≤50)	-	-
	1,2-Dichloroethane	1.2	1.3	8 (≤50)	-	-
	Benzene	0.63	0.62	2 (≤50)	-	-
	Carbon tetrachloride	0.36	0.32	12 (≤50)	-	-
	Chloroethane	12	12	0 (≤50)	-	-
	Chloroform	28	28	0 (≤50)	-	-
	Chloromethane	0.13	0.21	47 (≤50)	-	-
	Ethylbenzene	0.11	0.15U	200 (≤50)	NQ	
	Freon 12	2.5	2.5	0 (≤50)	-	-
	m,p-Xylene	0.43	0.35	21 (≤50)	-	-
	Naphthalene	0.45U	0.082	138 (≤50)	NQ	
	o-Xylene	0.18	0.14	25 (≤50)	-	-
	Tetrachloroethene	4.3	4.6	7 (≤50)	-	-
	Toluene	0.87	0.48	58 (≤50)	J (all detects)	A
	trans-1,2-Dichloroethene	0.054	0.057	5 (≤50)	-	-
	Trichloroethene	7.4	7.7	4 (≤50)	-	-

SDG	Compound	Concentration (ug/m³)		RPD (Limits)	Flag	A or P
		RISG-2-5.0-20191112	RISG-2-5.0-20191112-FD			
440-255990-1/ 1911420	1,3-Dichlorobenzene	5.8	3.6	47 (≤50)	-	-
	Carbon disulfide	28U	14	200 (≤50)	NQ	-

SDG	Compound	Concentration (ug/m³)		RPD (Limits)	Flag	A or P
		RISG-2-5.0-20191112	RISG-2-5.0-20191112-FD			
440-255990-1/ 1911420	1,1-Dichloroethene	1.3	1.4	7 (≤50)	-	-
	Carbon tetrachloride	26	26	0 (≤50)	-	-
	Chloroform	1500	1500	0 (≤50)	-	-
	Freon 12	3.4	3.6	6 (≤50)	-	-
	Tetrachloroethene	52	48	8 (≤50)	-	-
	Trichloroethene	2.6	2.5	4 (≤50)	-	-

SDG	Compound	Concentration (ug/m³)		RPD (Limits)	Flag	A or P
		RISG-28-5.0-20191113	RISG-28-5.0-20191113-FD			
440-255990-1/ 1911420	1,2,4-Trimethylbenzene	0.78	0.56	33 (≤50)	-	-
	1,3,5-Trimethylbenzene	0.19	0.86U	200 (≤50)	NQ	-
	1,3-Dichlorobenzene	5.6	6.3	12 (≤50)	-	-
	2-Butanone	0.56	0.76	30 (≤50)	-	-
	4-Ethyltoluene	0.23	0.86U	200 (≤50)	NQ	-
	Acetone	5.3	7.7	37 (≤50)	-	-
	Carbon disulfide	2.8U	1.8	200 (≤50)	NQ	-
	Chlorobenzene	1.2	1.2	0 (≤50)	-	-
	Ethanol	2.7	2.8	4 (≤50)	-	-
	Freon 11	2.2	2.1	5 (≤50)	-	-
	Freon 113	0.61	0.55	10 (≤50)	-	-
	Methylene chloride	1.1	0.95	15 (≤50)	-	-
	1,1-Dichloroethane	0.053	0.14U	200 (≤50)	NQ	-
	1,4-Dichlorobenzene	0.15	0.13	14 (≤50)	-	-

SDG	Compound	Concentration (ug/m³)		RPD (Limits)	Flag	A or P
		RISG-28-5.0-20191113	RISG-28-5.0-20191113-FD			
440-255990-1/ 1911420	Benzene	0.48	0.38	23 (≤50)	-	-
	Carbon tetrachloride	0.64	0.67	5 (≤50)	-	-
	Chloroethane	0.21	0.22	5 (≤50)	-	-
	Chloroform	35	35	0 (≤50)	-	-
	Chloromethane	0.15	0.14	7 (≤50)	-	-
	Ethylbenzene	0.24	0.17	34 (≤50)	-	-
	Freon 12	2.6	2.6	0 (≤50)	-	-
	m,p-Xylene	1.1	0.66	50 (≤50)	-	-
	Naphthalene	0.49	0.44	11 (≤50)	-	-
	o-Xylene	0.42	0.28	40 (≤50)	-	-
	Tetrachloroethene	100	110	10 (≤50)	-	-
	Toluene	1.0	0.57	55 (≤50)	J (all detects)	A
	Trichloroethene	1.4	1.4	0 (≤50)	-	-

SDG	Compound	Concentration (ug/m³)		RPD (Limits)	Flag	A or P
		RISG-6-5.0-20191113	RISG-6-5.0-20191113-FD			
440-256089-1/ 1911422	1,1-Dichloroethene	67	60	11 (≤50)	-	-
	Carbon tetrachloride	320	320	0 (≤50)	-	-
	Chloroform	10000	11000	10 (≤50)	-	-
	Tetrachloroethene	330	350	6 (≤50)	-	-
	Trichloroethene	35	37	6 (≤50)	-	-

SDG	Compound	Concentration (ug/m³)		RPD (Limits)	Flag	A or P
		RISG-5-5.0-20191112	RISG-5-5.0-20191112-FD			
440-256089-1/ 1911422	Ethanol	3.8	8.8U	200 (≤50)	NQ	-
	Freon 11	1.1	1.2	9 (≤50)	-	-
	1,1-Dichloroethane	1.6	1.7	6 (≤50)	-	-
	1,1-Dichloroethene	3.4	3.6	6 (≤50)	-	-
	Carbon tetrachloride	3.5	3.6	3 (≤50)	-	-
	Chloroform	690	740	7 (≤50)	-	-
	Chloromethane	0.39	9.6U	200 (≤50)	NQ	-
	cis-1,2-Dichloroethene	0.38	0.35	8 (≤50)	-	-
	Freon 12	3.0	3.1	3 (≤50)	-	-
	m,p-Xylene	0.92	1.6U	200 (≤50)	NQ	-
	o-Xylene	0.35	0.20	55 (≤50)	NQ	-
	Tetrachloroethene	190	220	15 (≤50)	-	-
	Toluene	1.7	1.8U	200 (≤50)	NQ	-
	Trichloroethene	23	25	8 (≤50)	-	-

SDG	Compound	Concentration (ug/m³)		RPD (Limits)	Flag	A or P
		RISG-30-5.0-20191113	RISG-30-5.0-20191113-FD			
440-256089-1/ 1911422	1,2,4-Trimethylbenzene	5.3	4.9	8 (≤50)	-	-
	1,3,5-Trimethylbenzene	1.5	1.2	22 (≤50)	-	-
	1,3-Dichlorobenzene	2.6	3.5	30 (≤50)	-	-
	4-Ethyltoluene	1.4	1.0	33 (≤50)	-	-
	Bromodichloromethane	45	46	2 (≤50)	-	-
	Chlorobenzene	4.8	5.4	12 (≤50)	-	-

SDG	Compound	Concentration (ug/m^3)		RPD (Limits)	Flag	A or P
		RISG-30-5.0-20191113	RISG-30-5.0-20191113-FD			
440-256089-1/ 1911422	Cyclohexane	1.0	0.75	29 (≤50)	-	-
	Dibromochloromethane	5.4	5.8	7 (≤50)	-	-
	Freon 11	1.2	1.3	8 (≤50)	-	-
	Methylene chloride	28	28	0 (≤50)	-	-
	1,1-Dichloroethane	120	120	0 (≤50)	-	-
	1,1-Dichloroethene	5.1	5.2	2 (≤50)	-	-
	1,2-Dichloroethane	4.4	4.4	0 (≤50)	-	-
	Benzene	9.9	10	1 (≤50)	-	-
	Carbon tetrachloride	2.6	2.4	8 (≤50)	-	-
	Chloroethane	160	160	0 (≤50)	-	-
	Chloroform	270	270	0 (≤50)	-	-
	Chloromethane	0.20	0.22	10 (≤50)	-	-
	cis-1,2-Dichloroethene	0.78	0.83	6 (≤50)	-	-
	Ethylbenzene	0.61	0.46	28 (≤50)	-	-
	Freon 12	2.5	2.6	4 (≤50)	-	-
	m,p-Xylene	2.7	1.9	35 (≤50)	-	-
	o-Xylene	1.1	0.81	30 (≤50)	-	-
	Tetrachloroethene	110	120	9 (≤50)	-	-
	Toluene	2.2	1.4	44 (≤50)	-	-
	trans-1,2-Dichloroethene	0.82	0.77	6 (≤50)	-	-
	Trichloroethene	240	240	0 (≤50)	-	-
	Vinyl chloride	0.22	0.21	5 (≤50)	-	-

SDG	Compound	Concentration (ug/m^3)		RPD (Limits)	Flag	A or P
		RISG-30-10.0-20191113	RISG-30-10.0-20191113-FD			
440-256089-1/ 1911422	1,2,4-Trimethylbenzene	0.63	0.34	60 (≤50)	NQ	-
	1,3-Dichlorobenzene	2.3	2.7	16 (≤50)	-	-
	2-Butanone	3.8	1.0	117 (≤50)	NQ	-
	Acetone	15	6.8	75 (≤50)	J (all detects)	A
	Bromodichloromethane	7.5	7.9	5 (≤50)	-	-
	Carbon disulfide	13	3.0U	200 (≤50)	NQ	-
	Chlorobenzene	1.7	1.8	6 (≤50)	-	-
	Cyclohexane	0.37	0.48	26 (≤50)	-	-
	Ethanol	2.3	1.8U	200 (≤50)	NQ	-
	Freon 11	1.2	1.3	8 (≤50)	-	-
	Freon 113	0.48	0.54	12 (≤50)	-	-
	Methylene chloride	6.1	6.0	2 (≤50)	-	-
	1,1-Dichloroethane	56	57	2 (≤50)	-	-
	1,1-Dichloroethene	1.8	1.9	5 (≤50)	-	-
	1,2-Dichloroethane	0.87	0.87	0 (≤50)	-	-
	1,4-Dichlorobenzene	0.24U	0.13	200 (≤50)	NQ	-
	Benzene	3.3	3.3	0 (≤50)	-	-
	Carbon tetrachloride	1.6	1.7	6 (≤50)	-	-
	Chloroethane	56	57	2 (≤50)	-	-
	Chloroform	120	120	0 (≤50)	-	-
	Chloromethane	0.21	0.13	47 (≤50)	-	-
	cis-1,2-Dichloroethene	0.28	0.29	4 (≤50)	-	-

SDG	Compound	Concentration (ug/m^3)		RPD (Limits)	Flag	A or P
		RISG-30-10.0-20191113	RISG-30-10.0-20191113-FD			
440-256089-1/ 1911422	Ethylbenzene	0.16	0.17U	200 (≤50)	NQ	-
	Freon 12	2.3	2.3	0 (≤50)	-	-
	m,p-Xylene	0.57	0.39	37 (≤50)	-	-
	Naphthalene	0.38	0.38	0 (≤50)	-	-
	o-Xylene	0.21	0.17	21 (≤50)	-	-
	Tetrachloroethene	66	72	9 (≤50)	-	-
	Toluene	0.72	0.40	57 (≤50)	J (all detects)	A
	trans-1,2-Dichloroethene	0.34	0.37	8 (≤50)	-	-
	Trichloroethene	120	120	0 (≤50)	-	-
	Vinyl chloride	0.049	0.046	6 (≤50)	-	-

SDG	Compound	Concentration (ug/m^3)		RPD (Limits)	Flag	A or P
		RISG-74-15.0-20191203	RISG-74-15.0-20191203-FD			
440-256821-1/ 1912138	1,3-Dichlorobenzene	5.1	4.2	19 (≤50)	-	-
	2-Butanone	16	12	29 (≤50)	-	-
	Acetone	21	19	10 (≤50)	-	-
	Bromodichloromethane	760	740	3 (≤50)	-	-
	Carbon disulfide	19	23	19 (≤50)	-	-
	Chloroform	2300	2200	4 (≤50)	-	-
	Dibromochloromethane	210	190	10 (≤50)	-	-
	Ethanol	7.1	16U	200 (≤50)	NQ	-
	Methylene chloride	16	15	6 (≤50)	-	-
	Carbon tetrachloride	2.8	2.7	4 (≤50)	-	-

SDG	Compound	Concentration (ug/m^3)		RPD (Limits)	Flag	A or P
		RISG-74-15.0-20191203	RISG-74-15.0-20191203-FD			
440-256821-1/ 1912138	Chloroethane	2.3U	0.36	200 (≤50)	NQ	
	Chloromethane	0.63	0.62	2 (≤50)	-	-
	Freon 12	4.0	3.9	3 (≤50)	-	-
	o-Xylene	1.5U	0.37	200 (≤50)	NQ	-
	Tetrachloroethene	260	260	0 (≤50)	-	-
	Toluene	1.8	1.6	12 (≤50)	-	-
	Trichloroethene	7.4	7.4	0 (≤50)	-	-

SDG	Compound	Concentration (ug/m^3)		RPD (Limits)	Flag	A or P
		RISG-74-5.0-20191203	RISG-74-5.0-20191203-FD			
440-256821-1/ 1912138	1,3-Dichlorobenzene	22	17	26 (≤50)	-	-
	Acetone	43U	14	200 (≤50)	NQ	-
	Bromodichloromethane	330	340	3 (≤50)	-	-
	Carbon disulfide	15	16	6 (≤50)	-	-
	Dibromochloromethane	33	40	19 (≤50)	-	-
	Ethanol	17U	4.9	200 (≤50)	NQ	-
	Methylene chloride	10	12	18 (≤50)	-	-
	Styrene	2.1	1.8	15 (≤50)	-	-
	Carbon tetrachloride	1.4	1.4	0 (≤50)	-	-
	Chloroethane	2.4U	0.37	200 (≤50)	NQ	-
	Chloroform	1200	1300	8 (≤50)	-	-
	Freon 12	3.9	3.8	3 (≤50)	-	-
	o-Xylene	0.65	0.57	13 (≤50)	-	-

SDG	Compound	Concentration (ug/m^3)		RPD (Limits)	Flag	A or P
		RISG-74-5.0-20191203	RISG-74-5.0-20191203-FD			
440-256821-1/ 1912138	Tetrachloroethene	130	140	7 (≤50)	-	-
	Toluene	3.9	3.9	0 (≤50)	-	-
	Trichloroethene	3.4	3.6	6 (≤50)	-	-

SDG	Compound	Concentration (ug/m^3)		RPD (Limits)	Flag	A or P
		RISG-68-15.0-20191210	RISG-68-15.0-20191210-FD			
440-258231-1/ 1912312	1,1-Dichloroethene	16	17	6 (≤50)	-	-
	Acetone	51	34	40 (≤50)	-	-
	Carbon tetrachloride	38	38	0 (≤50)	-	-
	Chloroform	5100	5400	6 (≤50)	-	-
	Ethanol	36	29U	200 (≤50)	NQ	-
	Tetrachloroethene	200	220	10 (≤50)	-	-
	Trichloroethene	17	20	16 (≤50)	-	-

SDG	Compound	Concentration (ug/m^3)		RPD (Limits)	Flag	A or P
		RISG-71-5.0-20191211	RISG-71-5.0-20191211-FD			
440-258231-1/ 1912312	1,1-Dichloroethene	7.2U	3.7	200 (≤50)	NQ	-
	Acetone	30	28	7 (≤50)	-	-
	Carbon disulfide	8.3	8.3	0 (≤50)	-	-
	Carbon tetrachloride	25	25	0 (≤50)	-	-
	Chloroform	2500	2600	4 (≤50)	-	-
	Ethanol	17	19	11 (≤50)	-	-
	m,p-Xylene	2.2	7.8U	200 (≤50)	NQ	-
	Tetrachloroethene	180	200	11 (≤50)	-	-

SDG	Compound	Concentration (ug/m^3)		RPD (Limits)	Flag	A or P
		RISG-71-5.0-20191211	RISG-71-5.0-20191211-FD			
440-258231-1/ 1912312	Trichloroethene	5.4	5.0	8 (≤50)	-	-

SDG	Compound	Concentration (ug/m^3)		RPD (Limits)	Flag	A or P
		RISG-65-15.0-20191212	RISG-65-15.0-20191212-FD			
440-258231-1/ 1912312	1,2,4-Trimethylbenzene	4.3	8.5	66 (≤50)	J (all detects)	A
	1,3,5-Trimethylbenzene	1.8	3.2	56 (≤50)	NQ	-
	1,3-Dichlorobenzene	4.7	5.7	19 (≤50)	-	-
	2-Butanone	8.8	5.9	39 (≤50)	-	-
	Acetone	34	18	62 (≤50)	J (all detects)	A
	Bromodichloromethane	15	17	13 (≤50)	-	-
	Carbon disulfide	26	18	36 (≤50)	-	-
	Ethanol	13	8.8	39 (≤50)	-	-
	Freon 11	1.2	1.1	9 (≤50)	-	-
	Hexane	1.4	9.5U	200 (≤50)	NQ	-
	Methylene chloride	1.1	0.83	28 (≤50)	-	-
	Styrene	1.0	0.77	26 (≤50)	-	-
	1,1-Dichloroethane	0.35	0.33	6 (≤50)	-	-
	1,2-Dibromoethane	0.17	0.14	19 (≤50)	-	-
	Benzene	4.4	2.8	44 (≤50)	-	-
	Carbon tetrachloride	3.6	3.4	6 (≤50)	-	-
	Chloroethane	0.52	0.54	4 (≤50)	-	-
	Chloroform	410	380	8 (≤50)	-	-
	Chloromethane	0.38	0.17	76 (≤50)	NQ	-

SDG	Compound	Concentration (ug/m^3)		RPD (Limits)	Flag	A or P
		RISG-65-15.0-20191212	RISG-65-15.0-20191212-FD			
440-258231-1/ 1912312	Ethylbenzene	6.3	6.8	8 (≤50)	-	-
	Freon 12	2.6	2.5	4 (≤50)	-	-
	m,p-Xylene	28	32	13 (≤50)	-	-
	Naphthalene	0.28	1.4U	200 (≤50)	NQ	-
	o-Xylene	8.6	11	24 (≤50)	-	-
	Tetrachloroethene	19	17	11 (≤50)	-	-
	Toluene	26	22	17 (≤50)	-	-
	Trichloroethene	2.2	2.2	0 (≤50)	-	-

SDG	Compound	Concentration (ug/m^3)		RPD (Limits)	Flag	A or P
		RISG-61-5.0-20191216	RISG-61-5.0-20191216-FD			
440-258255-1/ 1912671	1,2,4-Trimethylbenzene	1.6	0.89	57 (≤50)	NQ	-
	1,3,5-Trimethylbenzene	0.40	0.99U	200 (≤50)	NQ	-
	1,3-Dichlorobenzene	9.2	11	18 (≤50)	-	-
	2-Butanone	2.3	1.5	42 (≤50)	-	-
	4-Ethyltoluene	1.0	0.74	30 (≤50)	-	-
	4-Methyl-2-pentanone	0.42	0.37	13 (≤50)	-	-
	Acetone	42	31	30 (≤50)	-	-
	Bromodichloromethane	4.6	4.5	2 (≤50)	-	-
	Carbon disulfide	3.1	3.6	15 (≤50)	-	-
	Cyclohexane	0.43	0.50	15 (≤50)	-	-
	Ethanol	11	5.7	63 (≤50)	-	-
	Freon 11	1.3	1.3	0 (≤50)	-	-

SDG	Compound	Concentration (ug/m^3)		RPD (Limits)	Flag	A or P
		RISG-61-5.0-20191216	RISG-61-5.0-20191216-FD			
440-258255-1/ 1912671	Heptane	1.4	1.7	19 (≤50)	-	-
	Hexane	0.73	0.75	3 (≤50)	-	-
	Styrene	0.28	0.13	73 (≤50)	NQ	-
	Tetrahydrofuran	0.55	0.44	22 (≤50)	-	-
	1,4-Dichlorobenzene	0.18	0.22	20 (≤50)	-	-
	Benzene	0.71	0.76	7 (≤50)	-	-
	Carbon tetrachloride	0.81	0.76	6 (≤50)	-	-
	Chloroethane	0.078	0.077	1 (≤50)	-	-
	Chloroform	170	160	6 (≤50)	-	-
	Chloromethane	0.11	2.1U	200 (≤50)	NQ	-
	Ethylbenzene	0.45	0.23	65 (≤50)	-	-
	Freon 12	2.1	2.2	5 (≤50)	-	-
	m,p-Xylene	1.5	0.95	45 (≤50)	-	-
	Naphthalene	0.58	0.30	64 (≤50)	NQ	-
	o-Xylene	0.68	0.38	57 (≤50)	-	-
	Tetrachloroethene	2.8	2.6	7 (≤50)	-	-
	Toluene	3.2	2.7	17 (≤50)	-	-
	Trichloroethene	0.11	0.10	10 (≤50)	-	-

SDG	Compound	Concentration (ug/m^3)		RPD (Limits)	Flag	A or P
		RISG-89-15.0-20200108	RISG-89-15.0-20200108-FD			
440-259192-1/ 2001124	2-Butanone	21	15	33 (≤50)	-	-
	Acetone	32	22	37 (≤50)	-	-

SDG	Compound	Concentration (ug/m^3)		RPD (Limits)	Flag	A or P
		RISG-89-15.0-20200108	RISG-89-15.0-20200108-FD			
440-259192-1/ 2001124	Bromodichloromethane	14	14	0 (≤50)	-	-
	Carbon tetrachloride	6.8	9.2	30 (≤50)	-	-
	Chloroform	3700	3800	3 (≤50)	-	-
	Tetrachloroethene	27	34	23 (≤50)	-	-

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

XI. Internal Standards

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

XII. Compound Quantitation

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

XIII. Target Compound Identifications

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

XIV. System Performance

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

XV. Overall Assessment of Data

The analysis was conducted within all specifications of the method.

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	Reason	Flag	A or P
440-258255-1/ 1912671	RISG-60-15.0-20191213 RISG-59-15.0-20191213 RISG-76-15.0-20191216 RISG-20-5.0-20191218 RISG-20-15.0-20191220 RISG-89-5.0-20191220	All compounds	Results from reanalyses were more usable.	DNR	-

Due to initial calibration %RSD, ICV %D, continuing calibration %D, LCS/LCSD %R, and field duplicate RPD, data were qualified as estimated in one-hundred and twenty-one samples.

Due to laboratory blank contamination, data were qualified as estimated in forty-eight samples.

No results were rejected in these SDGs.

NERT RI, Phase 3 Modifications 4, 5, 6 and 9
Volatiles - Data Qualification Summary - SDGs 440-254542-1/1911228, 440-255595-1/1911552, 440-255597-1/1911554, 440-255990-1/1911420/1911421, 440-256089-1/1911422, 440-256408-1/1911553, 440-256821-1/1912138, 440-258222-1/1912313, 440-258231-1/1912312, 440-258255-1/1912671, 440-258441-1/2001025, 440-259192-1/2001124, 440-259653-1/2001483

SDG	Sample	Compound	Flag	A or P	Reason (Code)
440-254542-1/ 1911228	RISG-25-15.0-20191104** RISG-24-5.0-20191105** RISG-24-15.0-20191105** RISG-13-5.0-20191107** RISG-29-15.0-20191108** RISG-29-5.0-20191108** RISG-25-5.0-20191104	2-Hexanone	UJ (all non-detects)	P	Initial calibration (%RSD) (c)
440-254542-1/ 1911228	RISG-17-5.0-20191106**	1,2,3-Trichloropropane Hexachlorobutadiene	UJ (all non-detects) UJ (all non-detects)	P	Initial calibration (%RSD) (c)
440-254542-1/ 1911228	RISG-22-5.0-20191107** RISG-13-15.0-20191107** RISG-26-5.0-20191105** RISG-23-15.0-20191107 RISG-21-15.0-20191107 RISG-15-5.0-20191106	1,2-Dibromo-3-chloropropane	UJ (all non-detects)	P	Initial calibration (%RSD) (c)
440-254542-1/ 1911228	RISG-23-5.0-20191107 RISG-21-5.0-20191107	Ethanol	UJ (all non-detects)	P	Initial calibration (%RSD) (c)
440-255597-1/ 1911554	RISG-27-15.0-20191115 RISG-27-5.0-20191115	Ethanol	J (all detects) UJ (all non-detects)	P	Initial calibration (%RSD) (c)
440-255597-1/ 1911554	RISG-84-15.0-20191115	1,2,3-Trichloropropane Hexachlorobutadiene	UJ (all non-detects) UJ (all non-detects)	P	Initial calibration (%RSD) (c)
440-255990-1/ 1911420/ 1911421	RISG-7-10.0-20191111 RISG-9-5.0-20191112 RISG-9-5.0-20191112-FD RISG-2-15.0-20191112 RISG-2-5.0-20191112 RISG-2-5.0-20191112-FD RISG-28-5.0-20191113 RISG-28-5.0-20191113-FD RISG-28-15.0-20191113 RISG-3-15.0-20191113 RISG-3-5.0-20191113	Ethanol	J (all detects) UJ (all non-detects)	P	Initial calibration (%RSD) (c)
440-256089-1/ 1911422	RISG-7-5.0-20191111 RISG-4-5.0-20191112 RISG-5-5.0-20191112 RISG-5-5.0-20191112-FD RISG-5-15.0-20191112 RISG-8-5.0-20191112 RISG-30-5.0-20191113 RISG-30-5.0-20191113-FD RISG-30-10.0-20191113 RISG-30-10.0-20191113-FD	Ethanol	J (all detects) UJ (all non-detects)	P	Initial calibration (%RSD) (c)

SDG	Sample	Compound	Flag	A or P	Reason (Code)
440-256089-1/ 1911422	RISG-1-5.0-20191111 RISG-1-15.0-20191111 RISG-6-15.0-20191113	1,2-Dibromo-3-chloropropane	UJ (all non-detects)	P	Initial calibration (%RSD) (c)
440-256408-1/ 1911553	RISG-83-15.0-20191115 RISG-80-5.0-20191115	1,2,3-Trichloropropane Hexachlorobutadiene	UJ (all non-detects) UJ (all non-detects)	P	Initial calibration (%RSD) (c)
440-256821-1/ 1912138	RISG-78-15.0-20191202 RISG-78-5.0-20191202 RISG-75-15.0-20191203 RISG-75-5.0-20191203 RISG-74-15.0-20191203 RISG-74-15.0-20191203-FD RISG-74-5.0-20191203 RISG-74-5.0-20191203-FD RISG-72-5.0-20191204 RISG-72-15.0-20191204	Ethanol	J (all detects) UJ (all non-detects)	P	Initial calibration (%RSD) (c)
440-258222-1/ 1912313	RISG-69-5.0-20191209 RISG-69-15.0-20191209 RISG-55-5.0-20191210 RISG-54-5.0-20191210 RISG-52-15.0-20191211 RISG-52-5.0-20191211 RISG-53-15.0-20191211 RISG-53-5.0-20191211 RISG-57-5.0-20191212 RISG-58-5.0-20191212	Ethanol	J (all detects) UJ (all non-detects)	P	Initial calibration (%RSD) (c)
440-258231-1/ 1912312	RISG-73-5.0-20191209 RISG-73-15.0-20191209 RISG-66-15.0-20191211 RISG-66-5.0-20191211 RISG-64-15.0-20191211 RISG-67-15.0-20191211 RISG-64-5.0-20191212 RISG-65-5.0-20191212 RISG-65-15.0-20191212 RISG-65-15.0-20191212-FD RISG-63-5.0-20191212	Ethanol	J (all detects)	P	Initial calibration (%RSD) (c)
440-258255-1/ 1912671	RISG-63-15.0-20191212 RISG-62-5.0-20191213 RISG-62-15.0-20191213 RISG-60-5.0-20191213 RISG-59-5.0-20191213 RISG-61-5.0-20191216 RISG-61-5.0-20191216-FD RISG-76-5.0-20191216 RISG-79-5.0-20191217 RISG-79-15.0-20191217 RISG-90-15.0-20191217 RISG-88-5.0-20191218 RISG-88-15.0-20191218 RISG-90-5.0-20191217	2-Hexanone 4-Ethyltoluene 1,2-Dichlorobenzene	J (all detects) UJ (all non-detects)	P	Initial calibration (%RSD) (c)

SDG	Sample	Compound	Flag	A or P	Reason (Code)
440-258255-1/ 1912671	RISG-63-15.0-20191212 RISG-62-5.0-20191213 RISG-62-15.0-20191213 RISG-60-5.0-20191213 RISG-59-5.0-20191213 RISG-61-5.0-20191216 RISG-61-5.0-20191216-FD RISG-76-5.0-20191216 RISG-79-5.0-20191217 RISG-79-15.0-20191217 RISG-90-15.0-20191217 RISG-88-5.0-20191218 RISG-88-15.0-20191218 RISG-90-5.0-20191217	1,4-Dichlorobenzene	J (all detects) UJ (all non-detects)	P	Initial calibration (%RSD) (c)
440-258441-1/ 2001025	RISG-61-10.0-20191231	2-Hexanone 4-Ethyltoluene 1,2-Dichlorobenzene	J (all detects) UJ (all non-detects)	P	Initial calibration (%RSD) (c)
440-258441-1/ 2001025	RISG-61-10.0-20191231	1,4-Dichlorobenzene	UJ (all non-detects)	P	Initial calibration (%RSD) (c)
440-254542-1/ 1911228	RISG-25-15.0-20191104** RISG-24-5.0-20191105** RISG-24-15.0-20191105** RISG-13-5.0-20191107** RISG-29-15.0-20191108** RISG-29-5.0-20191108** RISG-25-5.0-20191104	Hexachlorobutadiene	UJ (all non-detects)	P	Initial calibration verification (%D) (c)
440-254542-1/ 1911228	RISG-25-15.0-20191104** RISG-24-5.0-20191105** RISG-24-15.0-20191105** RISG-13-5.0-20191107** RISG-29-15.0-20191108** RISG-29-5.0-20191108** RISG-25-5.0-20191104	1,4-Dichlorobenzene	J- (all detects) UJ (all non-detects)	P	Initial calibration verification (%D) (c)
440-254542-1/ 1911228	RISG-23-5.0-20191107 RISG-21-5.0-20191107	1,2,4-Trichlorobenzene	UJ (all non-detects)	P	Initial calibration verification (%D) (c)
440-255597-1/ 1911554	RISG-27-15.0-20191115 RISG-27-5.0-20191115	1,2,4-Trichlorobenzene	UJ (all non-detects)	P	Initial calibration verification (%D) (c)
440-255990-1/ 1911420/ 1911421	RISG-7-10.0-20191111 RISG-9-5.0-20191112 RISG-9-5.0-20191112-FD RISG-2-15.0-20191112 RISG-2-5.0-20191112 RISG-2-5.0-20191112-FD RISG-28-5.0-20191113 RISG-28-5.0-20191113-FD RISG-28-15.0-20191113 RISG-3-15.0-20191113 RISG-3-5.0-20191113	1,2,4-Trichlorobenzene	UJ (all non-detects)	P	Initial calibration verification (%D) (c)

SDG	Sample	Compound	Flag	A or P	Reason (Code)
440-256089-1/ 1911422	RISG-7-5.0-20191111 RISG-4-5.0-20191112 RISG-5-5.0-20191112 RISG-5-5.0-20191112-FD RISG-5-15.0-20191112 RISG-8-5.0-20191112 RISG-30-5.0-20191113 RISG-30-5.0-20191113-FD RISG-30-10.0-20191113 RISG-30-10.0-20191113-FD	1,2,4-Trichlorobenzene	UJ (all non-detects)	P	Initial calibration verification (%D) (c)
440-256821-1/ 1912138	RISG-78-15.0-20191202 RISG-78-5.0-20191202 RISG-75-15.0-20191203 RISG-75-5.0-20191203 RISG-74-15.0-20191203 RISG-74-15.0-20191203-FD RISG-74-5.0-20191203 RISG-74-5.0-20191203-FD RISG-72-5.0-20191204 RISG-72-15.0-20191204	1,2,4-Trichlorobenzene	UJ (all non-detects)	P	Initial calibration verification (%D) (c)
440-258222-1/ 1912313	RISG-69-5.0-20191209 RISG-69-15.0-20191209 RISG-55-5.0-20191210 RISG-54-5.0-20191210 RISG-52-15.0-20191211 RISG-52-5.0-20191211 RISG-53-15.0-20191211 RISG-53-5.0-20191211 RISG-57-5.0-20191212 RISG-58-5.0-20191212	1,2,4-Trichlorobenzene	UJ (all non-detects)	P	Initial calibration verification (%D) (c)
440-258231-1/ 1912312	RISG-73-5.0-20191209 RISG-73-15.0-20191209 RISG-66-15.0-20191211 RISG-66-5.0-20191211 RISG-64-15.0-20191211 RISG-67-15.0-20191211 RISG-64-5.0-20191212 RISG-65-5.0-20191212 RISG-65-15.0-20191212 RISG-65-15.0-20191212-FD RISG-63-5.0-20191212	1,2,4-Trichlorobenzene	UJ (all non-detects)	P	Initial calibration verification (%D) (c)
440-258255-1/ 1912671	RISG-63-15.0-20191212 RISG-62-5.0-20191213 RISG-62-15.0-20191213 RISG-60-5.0-20191213 RISG-59-5.0-20191213 RISG-61-5.0-20191216 RISG-61-5.0-20191216-FD RISG-76-5.0-20191216 RISG-79-5.0-20191217 RISG-79-15.0-20191217 RISG-90-15.0-20191217 RISG-88-5.0-20191218 RISG-88-15.0-20191218 RISG-90-5.0-20191217	Ethanol	J+ (all detects)	P	Initial calibration verification (%D) (c)
440-258441-1/ 2001025	RISG-61-10.0-20191231	Ethanol 2-Hexanone	J+ (all detects) J+ (all detects)	P	Initial calibration verification (%D) (c)

SDG	Sample	Compound	Flag	A or P	Reason (Code)
440-259653-1/ 2001483	RISG-89-05.0-20200121	Naphthalene	J+ (all detects)	P	Initial calibration verification (%D) (c)
440-254542-1/ 1911228	RISG-25-15.0-20191104** RISG-24-5.0-20191105** RISG-24-15.0-20191105** RISG-13-5.0-20191107** RISG-29-15.0-20191108** RISG-29-5.0-20191108** RISG-25-5.0-20191104	1,2-Dichlorobenzene 1,3-Dichlorobenzene alpha-Chlorotoluene	J- (all detects) UJ (all non-detects)	P	Continuing calibration (%D) (c)
440-254542-1/ 1911228	RISG-25-15.0-20191104** RISG-24-5.0-20191105** RISG-24-15.0-20191105** RISG-13-5.0-20191107** RISG-29-15.0-20191108** RISG-29-5.0-20191108** RISG-25-5.0-20191104	1,4-Dichlorobenzene	J- (all detects) UJ (all non-detects)	P	Continuing calibration (%D) (c)
440-254542-1/ 1911228	RISG-10-15.0-20191105** RISG-10-5.0-20191105** RISG-16-5.0-20191106** RISG-19-5.0-20191106** RISG-18-5.0-20191106** RISG-22-12.4-20191107** RISG-26-15.0-20191105 RISG-11-15.0-20191105 RISG-11-5.0-20191105 RISG-12-15.0-20191106 RISG-12-5.0-20191107 RISG-15-15.0-20191106 RISG-14-15.0-20191106 RISG-14-5.0-20191106	Ethanol	UJ (all non-detects)	P	Continuing calibration (%D) (c)
440-254542-1/ 1911228	RISG-22-5.0-20191107** RISG-13-15.0-20191107** RISG-26-5.0-20191105** RISG-23-15.0-20191107 RISG-21-15.0-20191107 RISG-15-5.0-20191106	Chloromethane	UJ (all non-detects)	P	Continuing calibration (%D) (c)
440-254542-1/ 1911228	RISG-17-5.0-20191106**	Hexachlorobutadiene Naphthalene 1,1,1,2-Tetrachloroethane	UJ (all non-detects) UJ (all non-detects) UJ (all non-detects)	P	Continuing calibration (%D) (c)
440-255595-1/ 1911552	RISG-81-14.0-20191118 RISG-81-5.0-20191118 RISG-87-5.0-20191119 RISG-87-15.0-20191119 RISG-85-5.0-20191119	Ethanol	J- (all detects)	P	Continuing calibration (%D) (c)
440-255595-1/ 1911552	RISG-81-14.0-20191118 RISG-81-5.0-20191118 RISG-87-5.0-20191119 RISG-87-15.0-20191119 RISG-85-5.0-20191119	Chloromethane Freon 12	J- (all detects) UJ (all non-detects) J- (all detects) UJ (all non-detects)	P	Continuing calibration (%D) (c)

SDG	Sample	Compound	Flag	A or P	Reason (Code)
440-255990-1/ 1911420/ 1911421	RISG-33-5.0-20191114 RISG-33-15.0-20191114 RISG-31-5.0-20191114 RISG-32-5.0-20191114 RISG-32-15.0-20191114 RISG-34-5.0-20191114 RISG-34-15.0-20191114	Freon 12	J- (all detects)	P	Continuing calibration (%D) (c)
440-256089-1/ 1911422	RISG-1-5.0-20191111 RISG-1-15.0-20191111	Chloromethane	UJ (all non-detects)	A	Continuing calibration (%D) (c)
440-256089-1/ 1911422	RISG-4-15.0-20191112	Freon 12	J- (all detects)	P	Continuing calibration (%D) (c)
440-258255-1/ 1912671	RISG-63-15.0-20191212 RISG-62-5.0-20191213 RISG-62-15.0-20191213 RISG-60-5.0-20191213 RISG-59-5.0-20191213 RISG-61-5.0-20191216 RISG-61-5.0-20191216-FD RISG-76-5.0-20191216 RISG-79-5.0-20191217 RISG-79-15.0-20191217	1,4-Dichlorobenzene	J- (all detects) UJ (all non-detects)	P	Continuing calibration (%D) (c)
440-258255-1/ 1912671	RISG-90-15.0-20191217 RISG-88-5.0-20191218 RISG-88-15.0-20191218 RISG-90-5.0-20191217	1,4-Dichlorobenzene	UJ (all non-detects)	P	Continuing calibration (%D) (c)
440-258441-1/ 2001025	RISG-61-10.0-20191231	1,4-Dichlorobenzene	UJ (all non-detects)	P	Continuing calibration (%D) (c)
440-254542-1/ 1911228	RISG-25-15.0-20191104** RISG-24-5.0-20191105** RISG-24-15.0-20191105** RISG-13-5.0-20191107** RISG-29-15.0-20191108** RISG-29-5.0-20191108** RISG-25-5.0-20191104	1,2,4-Trichlorobenzene Hexachlorobutadiene	UJ (all non-detects) UJ (all non-detects)	P	Laboratory control samples (%R) (l)
440-254542-1/ 1911228	RISG-25-15.0-20191104** RISG-24-5.0-20191105** RISG-24-15.0-20191105** RISG-13-5.0-20191107** RISG-29-15.0-20191108** RISG-29-5.0-20191108** RISG-25-5.0-20191104	1,4-Dichlorobenzene	J- (all detects) UJ (all non-detects)	P	Laboratory control samples (%R) (l)
440-254542-1/ 1911228	RISG-22-5.0-20191107** RISG-13-15.0-20191107** RISG-26-5.0-20191105** RISG-23-15.0-20191107 RISG-21-15.0-20191107 RISG-15-5.0-20191106	Naphthalene Ethanol	UJ (all non-detects) UJ (all non-detects)	P	Laboratory control samples (%R) (l)

SDG	Sample	Compound	Flag	A or P	Reason (Code)
440-255595-1/ 1911552	RISG-81-14.0-20191118 RISG-81-5.0-20191118 RISG-87-5.0-20191119 RISG-87-15.0-20191119 RISG-85-5.0-20191119	Chloromethane Freon 12	J- (all detects) UJ (all non-detects) J- (all detects) UJ (all non-detects)	P	Laboratory control samples (%R) (l)
440-256089-1/ 1911422	RISG-1-5.0-20191111 RISG-1-15.0-20191111 RISG-6-15.0-20191113	Ethanol	UJ (all non-detects)	P	Laboratory control samples (%R) (l)
440-256089-1/ 1911422	RISG-6-5.0-20191113 RISG-6-5.0-20191113-FD	Ethanol	UJ (all non-detects)	P	Laboratory control samples (%R) (l)
440-258231-1/ 1912312	RISG-64-15.0-20191211 RISG-67-15.0-20191211 RISG-64-5.0-20191212 RISG-65-5.0-20191212 RISG-65-15.0-20191212 RISG-65-15.0-20191212-FD RISG-63-5.0-20191212	Acetone	J+ (all detects)	P	Laboratory control samples (%R) (l)
440-258231-1/ 1912312	RISG-64-15.0-20191211 RISG-67-15.0-20191211 RISG-64-5.0-20191212 RISG-65-5.0-20191212 RISG-65-15.0-20191212 RISG-65-15.0-20191212-FD	Chloromethane	J+ (all detects)	P	Laboratory control samples (%R) (l)
440-258255-1/ 1912671	RISG-90-15.0-20191217 RISG-88-5.0-20191218 RISG-88-15.0-20191218 RISG-90-5.0-20191217	Ethanol	J+ (all detects)	P	Laboratory control samples (%R) (l)
440-258441-1/ 2001025	RISG-61-10.0-20191231	4-Methyl-2-pentanone 2-Hexanone Ethanol	J+ (all detects) J+ (all detects) J+ (all detects)	P	Laboratory control samples (%R) (l)
440-255990-1/ 1911420/ 1911421	RISG-9-5.0-20191112 RISG-9-5.0-20191112-FD	Toluene	J (all detects)	A	Field duplicates (RPD) (fd)
440-255990-1/ 1911420/ 1911421	RISG-28-5.0-20191113 RISG-28-5.0-20191113-FD	Toluene	J (all detects)	A	Field duplicates (RPD) (fd)
440-256089-1/ 1911422	RISG-30-10.0-20191113 RISG-30-10.0-20191113-FD	Acetone Toluene	J (all detects) J (all detects)	A	Field duplicates (RPD) (fd)
440-258231-1/ 1912312	RISG-65-15.0-20191212 RISG-65-15.0-20191212-FD	1,2,4-Trimethylbenzene Acetone	J (all detects) J (all detects)	A	Field duplicates (RPD) (fd)

SDG	Sample	Compound	Flag	A or P	Reason (Code)
440-258255-1/ 1912671	RISG-60-15.0-20191213 RISG-59-15.0-20191213 RISG-76-15.0-20191216 RISG-20-5.0-20191218 RISG-20-15.0-20191220 RISG-89-5.0-20191220	All compounds	DNR	-	Overall assessment of data (orr)

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Volatiles - Laboratory Blank Data Qualification Summary - SDGs 440-254542-1/1911228, 440-255595-1/1911552, 440-255597-1/1911554, 440-255990-1/1911420/1911421, 440-256089-1/1911422, 440-256408-1/1911553, 440-256821-1/1912138, 440-258222-1/1912313, 440-258231-1/1912312, 440-258255-1/1912671, 440-258441-1/2001025, 440-259192-1/2001124, 440-259653-1/2001483

SDG	Sample	Compound	Modified Final Concentration	A or P	Code
440-254542-1/ 1911228	RISG-17-5.0-20191106** (7.75X)	1,2,4-Trimethylbenzene 1,3,5-Trimethylbenzene	37J ug/m^3 53J ug/m^3	A	bl,bb
440-254542-1/ 1911228	RISG-23-15.0-20191107 (14.8X)	Hexachlorobutadiene	24J ug/m^3	A	bl,bb
440-255595-1/ 1911552	RISG-81-14.0-20191118 (5.87X)	1,2,4-Trichlorobenzene 1,2-Dichloroethane 1,4-Dichlorobenzene Ethylbenzene m,p-Xylene o-Xylene	6.9J ug/m^3 0.21J ug/m^3 0.60J ug/m^3 0.26J ug/m^3 0.82J ug/m^3 0.33J ug/m^3	A	bl,bb
440-255595-1/ 1911552	RISG-81-5.0-20191118 (17.9X)	1,2-Dichloroethane Benzene	0.21J ug/m^3 2.6J ug/m^3	A	bl,bb
440-255595-1/ 1911552	RISG-87-5.0-20191119 (2.00X)	1,2-Dichloroethane 1,4-Dichlorobenzene	0.063J ug/m^3 0.19J ug/m^3	A	bl,bb
440-255595-1/ 1911552	RISG-87-15.0-20191119 (3.94X)	Ethylbenzene	0.33J ug/m^3	A	bl,bb
440-255595-1/ 1911552	RISG-85-5.0-20191119 (17.0X)	Benzene Ethylbenzene m,p-Xylene o-Xylene	2.1J ug/m^3 0.74J ug/m^3 1.3J ug/m^3 1.1J ug/m^3	A	bl,bb
440-255990-1/ 1911420/ 1911421	RISG-33-5.0-20191114 (8.70X)	1,2,4-Trichlorobenzene m,p-Xylene o-Xylene Toluene	21J ug/m^3 0.21J ug/m^3 0.17J ug/m^3 0.097J ug/m^3	A	bl,bb
440-255990-1/ 1911420/ 1911421	RISG-33-15.0-20191114 (17.7X)	m,p-Xylene o-Xylene Toluene	0.82J ug/m^3 0.54J ug/m^3 0.26J ug/m^3	A	bl,bb

SDG	Sample	Compound	Modified Final Concentration	A or P	Code
440-255990-1/ 1911420/ 1911421	RISG-31-5.0-20191114 (1.73X)	Ethylbenzene m,p-Xylene o-Xylene Toluene	0.014J ug/m^3 0.032J ug/m^3 0.018J ug/m^3 0.088J ug/m^3	A	bl,bb
440-255990-1/ 1911420/ 1911421	RISG-32-5.0-20191114 (1.60X)	m,p-Xylene o-Xylene Toluene	0.029J ug/m^3 0.012J ug/m^3 0.036J ug/m^3	A	bl,bb
440-255990-1/ 1911420/ 1911421	RISG-32-15.0-20191114 (1.69X)	Ethylbenzene m,p-Xylene o-Xylene Toluene	0.013J ug/m^3 0.036J ug/m^3 0.017J ug/m^3 0.053J ug/m^3	A	bl,bb
440-255990-1/ 1911420/ 1911421	RISG-34-5.0-20191114 (1.80X)	Ethylbenzene m,p-Xylene o-Xylene Toluene	0.025J ug/m^3 0.048J ug/m^3 0.018J ug/m^3 0.044J ug/m^3	A	bl,bb
440-255990-1/ 1911420/ 1911421	RISG-34-15.0-20191114 (1.72X)	Ethylbenzene m,p-Xylene o-Xylene	0.084J ug/m^3 0.16J ug/m^3 0.073J ug/m^3	A	bl,bb
440-256089-1/ 1911422	RISG-4-15.0-20191112 (8.55X)	Ethylbenzene m,p-Xylene o-Xylene Toluene	0.14J ug/m^3 0.36J ug/m^3 0.18J ug/m^3 0.63J ug/m^3	A	bl,bb
440-256408-1/ 1911553	RISG-80-15.0-20191115 (6.99X)	Methylene chloride	14J ug/m^3	A	bl,bb
440-256821-1/ 1912138	RISG-72-5.0-20191204 (4.25X)	1,2-Dibromoethane	0.12J ug/m^3	A	bl,bb
440-256821-1/ 1912138	RISG-72-15.0-20191204 (8.45X)	Naphthalene	0.49J ug/m^3	A	bl,bb
440-256821-1/ 1912138	RISG-78-15.0-20191202 (4.60X)	Methylene chloride	0.67J ug/m^3	A	bl,bb
440-256821-1/ 1912138	RISG-78-5.0-20191202 (1.94X)	Methylene chloride	0.35J ug/m^3	A	bl,bb
440-256821-1/ 1912138	RISG-75-5.0-20191203 (5.57X)	Methylene chloride	0.95J ug/m^3	A	bl,bb
440-256821-1/ 1912138	RISG-74-5.0-20191203 (18.0X)	Methylene chloride	10J ug/m^3	A	bl,bb
440-256821-1/ 1912138	RISG-74-5.0-20191203-FD (17.3X)	Methylene chloride	12J ug/m^3	A	bl,bb
440-258222-1/ 1912313	RISG-69-5.0-20191209 (4.42X)	Methylene chloride Naphthalene	1.3J ug/m^3 0.56J ug/m^3	A	bl,bb

SDG	Sample	Compound	Modified Final Concentration	A or P	Code
440-258222-1/ 1912313	RISG-69-15.0-20191209 (9.30X)	Methylene chloride	5.4J ug/m^3	A	bl,bb
440-258222-1/ 1912313	RISG-52-5.0-20191211 (1.71X)	Methylene chloride 1,2-Dibromoethane Naphthalene	0.40J ug/m^3 0.098J ug/m^3 0.096J ug/m^3	A	bl,bb
440-258222-1/ 1912313	RISG-53-5.0-20191211 (1.61X)	Naphthalene	0.094J ug/m^3	A	bl,bb
440-258231-1/ 1912312	RISG-66-15.0-20191211 (2.67X)	Methylene chloride 1,2-Dibromoethane Naphthalene	1.3J ug/m^3 0.16J ug/m^3 0.33J ug/m^3	A	bl,bb
440-258231-1/ 1912312	RISG-66-5.0-20191211 (1.58X)	Methylene chloride Naphthalene	0.42J ug/m^3 0.15J ug/m^3	A	bl,bb
440-258231-1/ 1912312	RISG-64-5.0-20191212 (3.42X)	Methylene chloride Naphthalene	0.40J ug/m^3 0.18J ug/m^3	A	bl,bb
440-258231-1/ 1912312	RISG-65-5.0-20191212 (1.87X)	Methylene chloride 1,4-Dichlorobenzene Chloroethane Naphthalene	0.75J ug/m^3 0.14J ug/m^3 0.22J ug/m^3 0.16J ug/m^3	A	bl,bb
440-258231-1/ 1912312	RISG-65-15.0-20191212 (5.83X)	Methylene chloride 1,2-Dibromoethane Chloroethane Naphthalene	1.1J ug/m^3 0.17J ug/m^3 0.52J ug/m^3 0.28J ug/m^3	A	bl,bb
440-258231-1/ 1912312	RISG-65-15.0-20191212-FD (5.37X)	Methylene chloride 1,2-Dibromoethane Chloroethane	0.83J ug/m^3 0.14J ug/m^3 0.54J ug/m^3	A	bl,bb
440-258255-1/ 1912671	RISG-79-5.0-20191217 (15.2X)	Hexachlorobutadiene m,p-Xylene	16J ug/m^3 2.3J ug/m^3	A	bl,bb
440-258255-1/ 1912671	RISG-79-15.0-20191217 (3.42X)	Hexachlorobutadiene 1,2-Dichloroethane Naphthalene	6.2J ug/m^3 0.091J ug/m^3 0.26J ug/m^3	A	bl,bb
440-258255-1/ 1912671	RISG-63-15.0-20191212 (16.4X)	m,p-xylene	1.4J ug/m^3	A	bl,bb
440-258255-1/ 1912671	RISG-60-5.0-20191213 (14.9X)	Naphthalene	0.76J ug/m^3	A	bl,bb
440-258255-1/ 1912671	RISG-59-5.0-20191213 (18.7X)	m,p-Xylene	2.2J ug/m^3	A	bl,bb
440-258255-1/ 1912671	RISG-61-5.0-20191216 (2.05X)	1,4-Dichlorobenzene	0.18J ug/m^3	A	bl,bb

SDG	Sample	Compound	Modified Final Concentration	A or P	Code
440-258255-1/ 1912671	RISG-61-5.0-20191216-FD (2.01X)	1,4-Dichlorobenzene Naphthalene	0.22J ug/m^3 0.30J ug/m^3	A	bl,bb
440-258255-1/ 1912671	RISG-90-15.0-20191217 (17.4X)	m,p-Xylene	1.4J ug/m^3	A	bl,bb
440-258255-1/ 1912671	RISG-88-5.0-20191218 (3.02X)	Naphthalene	0.15J ug/m^3	A	bl,bb
440-258255-1/ 1912671	RISG-88-15.0-20191218 (8.30X)	m,p-Xylene	0.98J ug/m^3	A	bl,bb
440-258255-1/ 1912671	RISG-90-5.0-20191217 (3.92X)	Naphthalene	0.21J ug/m^3	A	bl,bb
440-258441-1/ 2001025	RISG-61-10.0-20191231 (3.42X)	Naphthalene	0.044J ug/m^3	A	bl,bb
440-259653-1/ 2001483	RISG-20-5.0-20200121 (18.4X)	Methylene chloride	4.2J ug/m^3	A	bl,bb
440-259653-1/ 2001483	RISG-60-15.0-20200122 (17.4X)	Methylene chloride	2.2J ug/m^3	A	bl,bb
440-259653-1/ 2001483	RISG-20-15.0-20200121 (8.52X)	Hexachlorobutadiene	48J ug/m^3	A	bl,bb

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Volatiles - Field Blank Data Qualification Summary - SDGs 440-254542-1/1911228, 440-255595-1/1911552, 440-255597-1/1911554, 440-255990-1/1911420/1911421, 440-256089-1/1911422, 440-256408-1/1911553, 440-256821-1/1912138, 440-258222-1/1912313, 440-258231-1/1912312, 440-258255-1/1912671, 440-258441-1/2001025, 440-259192-1/2001124, 440-259653-1/2001483

No Sample Data Qualified in these SDGs

ATTACHMENT D
Helium DVR

Helium by American Society for Testing and Material (ASTM) D1946

I. Sample Receipt and Technical Holding Times

The canisters were properly pressurized and handled.

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

SDG	Sample	Compound	Total Days From Sample Collection Until Analysis	Required Holding Time (in Days) From Sample Collection Until Analysis	Flag	A or P
440-258255-1/ 1912671	RISG-63-15.0-20191212	Helium	34	30	UJ (all non-detects)	P
440-258255-1/ 1912671	RISG-62-5.0-20191213 RISG-62-15.0-20191213 RISG-60-5.0-20191213 RISG-59-5.0-20191213	Helium	33	30	UJ (all non-detects)	P

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 15.0%.

III. Continuing Calibration

Continuing calibration was performed at the required frequencies.

The percent differences (%D) were less than or equal to 15.0%.

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. Duplicate Sample Analysis

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

VII. 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.

VIII. Field Duplicates

Samples RISG-9-5.0-20191112 and RISG-9-5.0-20191112-FD (both from SDG 440-255990-1/1911420), samples RISG-2-5.0-20191112 and RISG-2-5.0-20191112-FD (both from SDG 440-255990-1/1911420), samples RISG-28-5.0-20191113 and RISG-28-5.0-20191113-FD (both from SDG 440-255990-1/1911420), samples RISG-5-5.0-20191112 and RISG-5-5.0-20191112-FD (both from SDG 440-256089-1/1911422), samples RISG-30-5.0-20191113 and RISG-30-5.0-20191113-FD (both from SDG 440-256089-1/1911422), samples RISG-30-10.0-20191113 and RISG-30-10.0-20191113-FD (both from SDG 440-256089-1/1911422), samples RISG-6-5.0-20191113 and RISG-6-5.0-20191113-FD (both from SDG 440-256089-1/1911422), samples RISG-74-15.0-20191203 and RISG-74-15.0-20191203-FD (both from SDG 440-256821-1/1912138), samples RISG-74-5.0-20191203 and RISG-74-5.0-20191203-FD (both from SDG 440-256821-1/1912138), samples RISG-68-15.0-20191210 and RISG-68-15.0-20191210-FD (both from SDG 440-258231-1/1912312), samples RISG-71-5.0-20191211 and RISG-71-5.0-20191211-FD (both from SDG 440-258231-1/1912312), samples RISG-65-15.0-20191212 and RISG-65-15.0-20191212-FD (both from SDG 440-258231-1/1912312), samples RISG-61-5.0-20191216 and RISG-61-5.0-20191216-FD (both from SDG 440-258255-1/1912671), and samples RISG-89-15.0-20200108 and RISG-89-15.0-20200108-FD (both from SDG 440-259192-1/2001124) were identified as field duplicates. No results were detected in any of the samples.

IX. Compound Quantitation

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

X. 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.

XI. Overall Assessment of Data

The analysis was conducted within all specifications of the method.

Due to technical holding time, data were qualified as estimated in five samples.

No results were rejected in these SDGs.

Helium leak percentage was evaluated for all samples. The calculated leak percentages (DF) were less than 5%; therefore, sample results were not corrected. All sample results were not detected with the following exceptions:

Sample ID	Sample Date	% Helium in the Sample	% Helium in the Shroud	DF
RISG-25-15.0-20191104**	11/4/2019	0.24	15.2	0.016
RISG-33-15.0-20191114	11/14/2019	0.13	14.4	0.009
RISG-34-15.0-20191114	11/14/2019	0.14	17.5	0.008
RISG-57-15.0-20191212	12/12/2019	0.59	18.1	0.033
RISG-87-15.0-20191119	11/19/2019	0.32	18.2	0.018

DF = % Helium in the sample/% Helium in the Shroud

NERT RI, Phase 3 Modifications 4, 5, 6 and 9
Helium - Data Qualification Summary - SDGs 440-254542-1/1911228, 440-255595-1/1911552, 440-255597-1/1911554, 440-255990-1/1911420/1911421, 440-256089-1/1911422, 440-256408-1/1911553, 440-256821-1/1912138, 440-258222-1/1912313, 440-258231-1/1912312, 440-258255-1/1912671, 440-258441-1/2001025, 440-259192-1/2001124, 440-259653-1/2001483

SDG	Sample	Compound	Flag	A or P	Reason (Code)
440-258255-1/ 1912671	RISG-63-15.0-20191212 RISG-62-5.0-20191213 RISG-62-15.0-20191213 RISG-60-5.0-20191213 RISG-59-5.0-20191213	Helium	UJ (all non-detects)	P	Technical holding times (h)

NERT RI, Phase 3 Modifications 4, 5, 6 and 9
Helium - Laboratory Blank Data Qualification Summary - SDGs 440-254542-1/1911228, 440-255595-1/1911552, 440-255597-1/1911554, 440-255990-1/1911420/1911421, 440-256089-1/1911422, 440-256408-1/1911553, 440-256821-1/1912138, 440-258222-1/1912313, 440-258231-1/1912312, 440-258255-1/1912671, 440-258441-1/2001025, 440-259192-1/2001124, 440-259653-1/2001483

No Sample Data Qualified in these SDGs

NERT RI, Phase 3 Modifications 4, 5, 6 and 9
Helium - Field Blank Data Qualification Summary - SDGs 440-254542-1/1911228, 440-255595-1/1911552, 440-255597-1/1911554, 440-255990-1/1911420/1911421, 440-256089-1/1911422, 440-256408-1/1911553, 440-256821-1/1912138, 440-258222-1/1912313, 440-258231-1/1912312, 440-258255-1/1912671, 440-258441-1/2001025, 440-259192-1/2001124, 440-259653-1/2001483

No Sample Data Qualified in these SDGs

ATTACHMENT E
Metals DVR

Aluminum, Arsenic, Boron, Calcium, Chromium, Iron, Lead, Magnesium, Manganese, Phosphorus, Potassium, Sodium, Strontium, Vanadium, and Zirconium by Environmental Protection Agency (EPA) Methods 200.7/200.8
Chromium by EPA SW 846 Method 6010B

I. Sample Receipt and Technical Holding Times

All samples were received in good condition.

All technical holding time requirements were met.

II. ICPMS Tune

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

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

III. Instrument Calibration

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

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

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

IV. ICP Interference Check Sample Analysis

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

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

V. Laboratory Blanks

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

SDG	Blank ID	Analyte	Maximum Concentration	Associated Samples
440-247008-1	PB (prep blank)	Sodium	0.367 mg/L	ES-50-20190731*
440-247074-1	PB (prep blank)	Magnesium	0.0111 mg/L	PC-198-20190801F*
440-247189-1	PB (prep blank)	Magnesium	0.0111 mg/L	PC-199-20190802F*

*Samples underwent Stage 2A validation
**Samples underwent Stage 4 validation

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

VI. Field Blanks

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)	Analyte	MS (%R) (Limits)	MSD (%R) (Limits)	Flag	A or P
440-239319-1	NERT3.63S1-50.0-20190417MS/MSD (All samples in SDG 440-239319-1)	Chromium	140 (75-125)	154 (75-125)	J+ (all detects)	A
440-247074-1	PC-198-20190801FMS/MSD (PC-198-20190801F*)	Aluminum	138 (70-130)	-	NA	-
440-247189-1	PC-198-20190801FMS/MSD (PC-199-20190802F*)	Aluminum	138 (70-130)	-	NA	-

For ES-45-20190724MS/MSD (from SDG 440-246558-1) and ES-51-20190912MS/MSD (from SDG 440-250047-1), no data were qualified for calcium, magnesium, potassium, and sodium percent recoveries (%R) outside the QC limits since the parent sample results were greater than 4X the spike concentration.

For PC-198-20190801FMS/MSD (from SDG 440-247074-1) and PC-198-20190911FMS/MSD (from SDG 440-249939-1), no data were qualified for calcium, magnesium, potassium, 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
440-247074-1	PC-198-20190801FMS/MSD (PC-198-20190801F*)	Aluminum	25 (≤20)	UJ (all non-detects)	A
440-247189-1	PC-199-20190802FMS/MSD (PC-199-20190802F*)	Aluminum	25 (≤20)	UJ (all non-detects)	A

*Samples underwent Stage 2A validation
**Samples underwent Stage 4 validation

VIII. Duplicate Sample Analysis

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

IX. Serial Dilution

Serial dilution analysis was performed on an associated project sample. The analysis criteria were met.

X. Laboratory Control Samples

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

XI. Field Duplicates

Samples PCDB-16-80.0-20190205 and PCDB-16-80.0-20190205-FD (both from SDG 440-232576-1), samples PCDB-17-120.0-20190206 and PCDB-17-120.0-20190206-FD (both from SDG 440-232727-1), samples NERT3.60S1-70.0-20190327 and NERT3.60S1-70.0-20190327-FD (both from SDG 440-237489-1), samples NERT3.35S1-30.0-20190329 and NERT3.35S1-30.0-20190329-FD (both from SDG 440-237531-1), samples NERT4.71S2-30.0-20190401 and NERT4.71S2-30.0-20190401-FD (both from SDG 440-237775-1), samples NERT4.64N1-30.0-20190403 and NERT4.64N1-30.0-20190403-FD (both from SDG 440-238128-1), samples NERT4.71N1-60.0-20190404 and NERT4.71N1-60.0-20190404-FD (both from SDG 440-238128-1), samples NERT3.60N1-20.0-20190408 and NERT3.60N1-20.0-20190408-FD (both from SDG 440-238500-1), samples NERT4.65N1-30.0-20190410 and NERT4.65N1-30.0-20190410-FD (both from SDG 440-238785-1), samples NERT4.70N1-60.0-20190411** and NERT4.70N1-60.0-20190411-FD** (both from SDG 440-238788-1), samples NERT3.40S1-40.0-20190416 and NERT3.40S1-40.0-20190416-FD (both from SDG 440-239319-1), samples NERT3.63S1-40.0-20190417 and NERT3.63S1-40.0-20190417-FD (both from SDG 440-239319-1), samples ESB-24-100.0-20190506** and ESB-24-100.0-20190506-FD** (both from SDG 440-240821-1), samples ESB-25-190.0-20190508-FD and ESB-25-190.0-20190508 (both from SDG 440-240938-1), samples ESB-26-80.0-20190508-FD and ESB-26-80.0-20190508 (both from SDG 440-240938-1), samples ESB-24-190.0-20190507 and ESB-24-190.0-20190507-FD (both from SDG 440-240964-1), samples ESB-25-70.0-20190507 and ESB-25-70.0-20190507-FD (both from SDG 440-240964-1), samples ESB-27-20.0-20190509 and ESB-27-20.0-20190509-FD (both from SDG 440-241255-1), samples ESB-27-130.0-20190509-FD and ESB-27-130.0-20190509 (both from SDG 440-241255-1), samples ES-50-20190912* and ES-50-20190912-FD* (both from SDG 440-250047-1), and samples ES-50-20190912F* and ES-50-20190912-FDF* (both from SDG 440-250047-1) were identified as field duplicates. No results were detected in any of the samples with the following exceptions:

*Samples underwent Stage 2A validation
**Samples underwent Stage 4 validation

SDG	Analyte	Concentration (mg/Kg)		RPD (Limits)	Flag	A or P
		PCDB-16-80.0-20190205	PCDB-16-80.0-20190205-FD			
440-232576-1	Chromium	2.2	1.3	51 (≤50)	J (all detects)	A

SDG	Analyte	Concentration (mg/Kg)		RPD (Limits)	Flag	A or P
		PCDB-17-120.0-20190206	PCDB-17-120.0-20190206-FD			
440-232727-1	Chromium	10	18	57 (≤50)	J (all detects)	A

SDG	Analyte	Concentration (mg/Kg)		RPD (Limits)	Flag	A or P
		NERT3.60S1-70.0-20190327	NERT3.60S1-70.0-20190327-FD			
440-237489-1	Chromium	19	19	0 (≤50)	-	-

SDG	Analyte	Concentration (mg/Kg)		RPD (Limits)	Flag	A or P
		NERT3.35S1-30.0-20190329	NERT3.35S1-30.0-20190329-FD			
440-237531-1	Chromium	11	11	0 (≤50)	-	-

SDG	Analyte	Concentration (mg/Kg)		RPD (Limits)	Flag	A or P
		NERT4.71S2-30.0-20190401	NERT4.71S2-30.0-20190401-FD			
440-237775-1	Chromium	17	15	13 (≤50)	-	-

SDG	Analyte	Concentration (mg/Kg)		RPD (Limits)	Flag	A or P
		NERT4.64N1-30.0-20190403	NERT4.64N1-30.0-20190403-FD			
440-238128-1	Chromium	12	14	15 (≤50)	-	-

SDG	Analyte	Concentration (mg/Kg)		RPD (Limits)	Flag	A or P
		NERT4.71N1-60.0-20190404	NERT4.71N1-60.0-20190404-FD			
440-238128-1	Chromium	17	16	6 (≤50)	-	-

*Samples underwent Stage 2A validation
**Samples underwent Stage 4 validation

SDG	Analyte	Concentration (mg/Kg)		RPD (Limits)	Flag	A or P
		NERT3.60N1-20.0-20190408	NERT3.60N1-20.0-20190408-FD			
440-238500-1	Chromium	14	14	0 (≤50)	-	-

SDG	Analyte	Concentration (mg/Kg)		RPD (Limits)	Flag	A or P
		NERT4.65N1-30.0-20190410	NERT4.65N1-30.0-20190410-FD			
440-238785-1	Chromium	9.7	9.4	3 (≤50)	-	-

SDG	Analyte	Concentration (mg/Kg)		RPD (Limits)	Flag	A or P
		NERT4.70N1-60.0-20190411**	NERT4.70N1-60.0-20190411-FD**			
440-238788-1	Chromium	18	15	18 (≤50)	-	-

SDG	Analyte	Concentration (mg/Kg)		RPD (Limits)	Flag	A or P
		NERT3.40S1-40.0-20190416	NERT3.40S1-40.0-20190416-FD			
440-239319-1	Chromium	7.8	9.0	14 (≤50)	-	-

SDG	Analyte	Concentration (mg/Kg)		RPD (Limits)	Flag	A or P
		NERT3.63S1-40.0-20190417	NERT3.63S1-40.0-20190417-FD			
440-239319-1	Chromium	15	13	14 (≤50)	-	-

SDG	Analyte	Concentration (mg/Kg)		RPD (Limits)	Flag	A or P
		ESB-24-100.0-20190506**	ESB-24-100.0-20190506-FD**			
440-420821-1	Chromium	1.3	3.2	84 (≤50)	NQ	-

SDG	Analyte	Concentration (mg/Kg)		RPD (Limits)	Flag	A or P
		ESB-25-190.0-20190508-FD	ESB-25-190.0-20190508			
440-240938-1	Chromium	30	28	7 (≤50)	-	-

*Samples underwent Stage 2A validation
**Samples underwent Stage 4 validation

SDG	Analyte	Concentration (mg/Kg)		RPD (Limits)	Flag	A or P
		ESB-26-80.0-20190508-FD	ESB-26-80.0-20190508			
440-240938-1	Chromium	45	51	13 (≤50)	-	-

SDG	Analyte	Concentration (mg/Kg)		RPD (Limits)	Flag	A or P
		ESB-24-190.0-20190507	ESB-24-190.0-20190507-FD			
440-240964-1	Chromium	13	9.5	31 (≤50)	-	-

SDG	Analyte	Concentration (mg/Kg)		RPD (Limits)	Flag	A or P
		ESB-25-70.0-20190507	ESB-25-70.0-20190507-FD			
440-240964-1	Chromium	11	21	63 (≤50)	J (all detects)	A

SDG	Analyte	Concentration (mg/Kg)		RPD (Limits)	Flag	A or P
		ESB-27-20.0-20190509	ESB-27-20.0-20190509-FD			
440-241255-1	Chromium	7.0	7.0	0 (≤50)	-	-

SDG	Analyte	Concentration (mg/Kg)		RPD (Limits)	Flag	A or P
		ESB-27-130.0-20190509-FD	ESB-27-130.0-20190509			
440-241255-1	Chromium	22	18	20 (≤50)	-	-

SDG	Analyte	Concentration (mg/L)		RPD (Limits)	Flag	A or P
		ES-50-20190912*	ES-50-20190912-FD*			
440-250047-1	Calcium	42	42	0 (≤30)	-	-
	Magnesium	22	21	5 (≤30)	-	-
	Potassium	17	17	0 (≤30)	-	-
	Sodium	140	140	0 (≤30)	-	-

*Samples underwent Stage 2A validation
**Samples underwent Stage 4 validation

SDG	Analyte	Concentration (mg/L)		RPD (Limits)	Flag	A or P
		ES-50-20190912F*	ES-50-20190912-FDF*			
440-250047-1	Chromium	0.0072	0.0077	7 (≤30)	-	-

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

XII. Internal Standards (ICP-MS)

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

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

XIII. Sample Result Verification

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

XIV. Overall Assessment of Data

The analysis was conducted within all specifications of the methods.

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

No results were rejected in these SDGs.

*Samples underwent Stage 2A validation
**Samples underwent Stage 4 validation

NERT RI, Phase 3 Modifications 4, 5, 6 and 9
Metals - Data Qualification Summary - SDGs 440-232366-1, 440-232576-1, 440-232727-1, 440-237248-1, 440-237489-1, 440-237531-1, 440-237775-1, 440-238128-1, 440-238500-1, 440-238785-1, 440-238788-1, 440-239319-1, 440-240821-1, 440-240938-1, 440-240964-1, 440-241255-1, 440-246558-1, 440-246656-1, 440-246807-1, 440-247008-1, 440-247074-1, 440-247189-1, 440-248614-1, 440-249939-1, 440-249940-1, 440-250047-1

SDG	Sample	Analyte	Flag	A or P	Reason (Code)
440-239319-1	NERT3.40S1-10.0-20190416 NERT3.40S1-20.0-20190416 NERT3.40S1-30.0-20190416 NERT3.40S1-40.0-20190416 NERT3.40S1-40.0-20190416-FD NERT3.40S1-50.0-20190416 NERT3.40S1-60.0-20190416 NERT3.63S1-10.0-20190417 NERT3.63S1-20.0-20190417 NERT3.63S1-30.0-20190417 NERT3.63S1-40.0-20190417 NERT3.63S1-40.0-20190417-FD NERT3.63S1-50.0-20190417	Chromium	J+ (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-247074-1	PC-198-20190801F*	Aluminum	UJ (all non-detects)	A	Matrix spike/Matrix spike duplicate (RPD) (ld)
440-247189-1	PC-199-20190802F*	Aluminum	UJ (all non-detects)	A	Matrix spike/Matrix spike duplicate (RPD) (ld)
440-232576-1	PCDB-16-80.0-20190205 PCDB-16-80.0-20190205-FD	Chromium	J (all detects)	A	Field duplicates (RPD) (fd)
440-232727-1	PCDB-17-120.0-20190206 PCDB-17-120.0-20190206-FD	Chromium	J (all detects)	A	Field duplicates (RPD) (fd)
440-240964-1	ESB-25-70.0-20190507 ESB-25-70.0-20190507-FD	Chromium	J (all detects)	A	Field duplicates (RPD) (fd)

NERT RI, Phase 3 Modifications 4, 5, 6 and 9
Metals - Laboratory Blank Data Qualification Summary – SDGs 440-232366-1, 440-232576-1, 440-232727-1, 440-237248-1, 440-237489-1, 440-237531-1, 440-237775-1, 440-238128-1, 440-238500-1, 440-238785-1, 440-238788-1, 440-239319-1, 440-240821-1, 440-240938-1, 440-240964-1, 440-241255-1, 440-246558-1, 440-246656-1, 440-246807-1, 440-247008-1, 440-247074-1, 440-247189-1, 440-248614-1, 440-249939-1, 440-249940-1, 440-250047-1

No Sample Data Qualified in these SDGs

*Samples underwent Stage 2A validation
**Samples underwent Stage 4 validation

NERT RI, Phase 3 Modifications 4, 5, 6 and 9
Metals - Field Blank Data Qualification Summary – SDGs 440-232366-1, 440-232576-1, 440-232727-1, 440-237248-1, 440-237489-1, 440-237531-1, 440-237775-1, 440-238128-1, 440-238500-1, 440-238785-1, 440-238788-1, 440-239319-1, 440-240821-1, 440-240938-1, 440-240964-1, 440-241255-1, 440-246558-1, 440-246656-1, 440-246807-1, 440-247008-1, 440-247074-1, 440-247189-1, 440-248614-1, 440-249939-1, 440-249940-1, 440-250047-1

No Sample Data Qualified in these SDGs

*Samples underwent Stage 2A validation
**Samples underwent Stage 4 validation

ATTACHMENT F
Wet Chemistry DVR

Alkalinity by Standard Method 2320B
Bromide, Chloride, Nitrate as Nitrate, Nitrate as Nitrogen, Nitrite as Nitrogen, Orthophosphate as Phosphorus, and Sulfate by Environmental Protection Agency (EPA) Method 300.0
Chlorate by EPA Method 300.1B
Conductivity by Standard Method 2510B
Dissolved Organic Carbon by Standard Method 5310B
Ferrous Iron by Standard Method 3500-Fe B
Hexavalent Chromium by EPA Method 218.6
Nitrate/Nitrite as Nitrogen by Calculation
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

I. Sample Receipt and Technical Holding Times

All samples were received in good condition.

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

SDG	Sample	Analyte	Total Time From Sample Collection Until Analysis	Required Holding Time From Sample Collection Until Analysis	Flag	A or P
440-247189-1	PC-199-20190802*	Hexavalent chromium	32.60 hours	24 hours	UJ (all non-detects)	P
440-249939-1	PC-198-20190911*	pH	126.20 hours	48 hours	J (all detects)	P
440-249939-1	PC-198-20190911*	Ferrous iron	149.38 hours	48 hours	UJ (all non-detects)	P
440-249939-1	PC-199-20190911*	pH	125.37 hours	48 hours	J (all detects)	P
440-249939-1	PC-199-20190911*	Ferrous iron	148.55 hours	48 hours	UJ (all non-detects)	P
440-249940-1	ES-45-20190911*	pH	124.03 hours	48 hours	J (all detects)	P
440-249940-1	ES-47-20190911*	pH	122.28 hours	48 hours	J (all detects)	P
440-249940-1	ES-48-20190911*	pH	121.62 hours	48 hours	J (all detects)	P
440-250047-1	ES-50-20190912*	pH	101.43 hours	48 hours	J (all detects)	P
440-250047-1	ES-51-20190912*	pH	99.27 hours	48 hours	J (all detects)	P
440-250047-1	ES-52-20190912*	pH	97.97 hours	48 hours	J (all detects)	P
440-250047-1	ES-50-20190912-FD*	pH	101.33 hours	48 hours	J (all detects)	P

*Samples underwent Stage 2A validation
**Samples underwent Stage 4 validation

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
440-237775-1	ICB/CCB	Perchlorate	0.377 ug/L	NERT4.71S2-40.0-20190401 NERT4.71S2-50.0-20190401 NERT3.98S1-10.0-20190402 NERT3.98S1-20.0-20190402

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

SDG	Sample	Analyte	Reported Concentration	Modified Final Concentration
440-237775-1	NERT3.98S1-10.0-20190402	Perchlorate	0.0079 mg/Kg	0.0079J mg/Kg

V. Field Blanks

No field blanks were identified in these SDGs.

VI. Surrogates

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

VII. Matrix Spike/Matrix Spike Duplicates

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

SDG	Spike ID (Associated Samples)	Analyte	MS (%R) (Limits)	MSD (%R) (Limits)		Flag	A or P
440-232366-1	PCDB-15-150.0-20190204MS/MSD (PCDB-15-150.0-20190204)	Nitrite as N	138 (80-120)	139 (80-120)	Nitrite as N	NA	-
440-232366-1	PCDB-15-150.0-20190204MS/MSD (PCDB-15-150.0-20190204)	Chlorate	73 (75-125)	-	Chlorate	J- (all detects)	A
440-232576-1	PCDB-16-120.0-20190205MS/MSD (All samples in SDG 440-232576-1)	Nitrite as N	69 (80-120)	72 (80-120)	Nitrite as N Nitrate/Nitrite as N	UJ (all non-detects) UJ (all non-detects)	A
440-232727-1	PCDB-17-130.0-20190206MS/MSD (All samples in SDG 440-232727-1)	Nitrite as N	132 (80-120)	134 (80-120)	Nitrite as N	NA	-
440-232727-1	PCDB-17-200.0-20190206-FDMS/MSD (All samples in SDG 440-232727-1)	Nitrite as N	46 (80-120)	52 (80-120)	Nitrite as N Nitrate/Nitrite as N	J- (all detects) UJ (all non-detects) J- (all detects) UJ (all non-detects)	A
440-237248-1	NERT4.64S1-50.0-20190325MS/MSD** (All samples in SDG 440-237248-1)	Perchlorate	-	77 (80-120)	Perchlorate	J- (all detects)	A
440-237489-1	NERT3.35S1-20.0-20190329MS/MSD (NERT3.58S1-60.0-20190327)	Perchlorate	11 (80-120)	20 (80-120)	Perchlorate	J- (all detects)	A
440-237489-1	NERT4.64S1-50.0-20190325MS/MSD (NERT3.60S1-30.0-20190326 NERT3.60S1-40.0-20190326 NERT3.60S1-50.0-20190326 NERT3.60S1-60.0-20190327 NERT3.60S1-70.0-20190327 NERT3.60S1-70.0-20190327-FD NERT3.60S1-80.0-20190327 NERT3.60S1-90.0-20190327 NERT3.58S1-10.0-20190327 NERT3.58S1-20.0-20190327 NERT3.58S1-30.0-20190327 NERT3.58S1-40.0-20190327 NERT3.58S1-50.0-20190327)	Perchlorate	-	77 (80-120)	Perchlorate	J- (all detects)	A
440-237531-1	NERT3.35S1-20.0-20190329MS/MSD (All samples in SDG 440-237531-1)	Perchlorate	11 (80-120)	20 (80-120)	Perchlorate	J- (all detects)	A
440-237775-1	NERT3.98S1-20.0-20190402MS/MSD (NERT3.98S1-20.0-20190402)	Chlorate	49 (75-125)	48 (75-125)	Chlorate	J- (all detects)	A

*Samples underwent Stage 2A validation
**Samples underwent Stage 4 validation

SDG	Spike ID (Associated Samples)	Analyte	MS (%R) (Limits)	MSD (%R) (Limits)		Flag	A or P
440-238128-1	NERT4.64N1-80.0-20190404MS/MSD (NERT4.64N1-30.0-20190403 NERT4.64N1-30.0-20190403-FD NERT4.64N1-40.0-20190403 NERT4.64N1-50.0-20190403 NERT4.64N1-60.0-20190403 NERT4.64N1-80.0-20190404 NERT4.64N1-90.0-20190404 NERT4.71N1-10.0-20190404 NERT4.71N1-30.0-20190404 NERT4.71N1-40.0-20190404 NERT4.71N1-50.0-20190404 NERT4.71N1-60.0-20190404 NERT4.71N1-60.0-20190404-FD NERT4.71N1-70.0-20190404 NERT4.71N1-80.0-20190404 NERT4.71N1-90.0-20190404)	Perchlorate	59 (80-120)	59 (80-120)	Perchlorate	J- (all detects) UJ (all non-detects)	A
440-240821-1	EBS-24-10.0-20190506MS/MSD** (All samples in SDG 440-240821-1)	Nitrite as N	140 (80-120)	139 (80-120)	Nitrite as N	NA	-
440-240821-1	EBS-24-20.0-20190506MS/MSD** (All samples in SDG 440-240821-1)	Chlorate	68 (75-125)	69 (75-125)	Chlorate	J- (all detects) UJ (all non-detects)	A
440-240964-1	ESB-24-200.0-20190507MS/MSD (ESB-24-110.0-20190506 ESB-24-120.0-20190506 ESB-24-130.0-20190506 ESB-24-140.0-20190507 ESB-24-150.0-20190507 ESB-24-160.0-20190507 ESB-24-170.0-20190507 ESB-24-180.0-20190507 ESB-24-190.0-20190507 ESB-24-200.0-20190507 ESB-24-190.0-20190507-FD ESB-25-10.0-20190507 ESB-25-20.0-20190507 ESB-25-30.0-20190507 ESB-25-40.0-20190507 ESB-25-50.0-20190507 ESB-25-60.0-20190507 ESB-25-70.0-20190507 ESB-25-70.0-20190507-FD ESB-25-80.0-20190507)	Nitrite as N	157 (80-120)	167 (80-120)	Nitrite as N	NA	-

*Samples underwent Stage 2A validation
**Samples underwent Stage 4 validation

SDG	Spike ID (Associated Samples)	Analyte	MS (%R) (Limits)	MSD (%R) (Limits)		Flag	A or P
440-240964-1	ESB-24-110.0-20190506MS/MSD (ESB-24-110.0-20190506 ESB-24-120.0-20190506 ESB-24-130.0-20190506 ESB-24-140.0-20190507 ESB-24-150.0-20190507 ESB-24-160.0-20190507 ESB-24-170.0-20190507 ESB-24-180.0-20190507 ESB-24-190.0-20190507 ESB-24-200.0-20190507 ESB-24-190.0-20190507-FD ESB-25-10.0-20190507 ESB-25-20.0-20190507 ESB-25-30.0-20190507 ESB-25-40.0-20190507 ESB-25-50.0-20190507 ESB-25-60.0-20190507 ESB-25-70.0-20190507 ESB-25-70.0-20190507-FD ESB-25-80.0-20190507)	Nitrite as N	75 (80-120)	-	Nitrite as N Nitrate/Nitrite as N	J- (all detects) UJ (all non-detects) J- (all detects) UJ (all non-detects)	A
440-240964-1	ESB-24-110.0-20190506MS/MSD (ESB-24-110.0-20190506)	Nitrate as NO3	70 (80-120)	-	Nitrate as NO3	UJ (all non-detects)	A
440-246558-1	ES-45-20190724MS/MSD (ES-45-20190724* ES-47-20190724* ES-48-20190724*)	Orthophosphate as P	153 (80-120)	134 (80-120)	Orthophosphate as P	NA	-
440-246656-1	ES-51-20190725MS/MSD (ES-51-20190725*)	Orthophosphate as P	0 (80-120)	0 (80-120)	Orthophosphate as P	R (all non-detects)	A
440-247074-1	PC-198-20190801MS/MSD (PC-198-20190801*)	Orthophosphate as P Nitrate as NO3	195 (80-120) -	201 (80-120) 123 (80-120)	Orthophosphate as P Nitrate as NO3	J+ (all detects) J+ (all detects)	A
440-247189-1	PC-199-20190802MS/MSD (PC-199-20190802*)	Orthophosphate as P	179 (80-120)	188 (80-120)	Orthophosphate as P	J+ (all detects)	A
440-249939-1	PC-198-20190911MS/MSD (PC-198-20190911* PC-199-20190911*)	Nitrite as N	121 (80-120)	121 (80-120)	Nitrite as N	NA	-
440-249940-1	PC-198-20190911MS/MSD (ES-45-20190911*)	Nitrite as N	121 (80-120)	121 (80-120)	Nitrite as N	NA	-
440-250047-1	ES-51-20190912MS/MSD (ES-51-20190912*)	Perchlorate	130 (80-120)	126 (80-120)	Perchlorate	J+ (all detects)	A

For PCDB-15-50.0-20190204MS/MSD (from SDG 440-232366-1), NERT4.65N1-10.0-20190410MS/MSD (from SDG 440-238785-1), 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.

*Samples underwent Stage 2A validation
**Samples underwent Stage 4 validation

For NERT4.64S1-20.0-20190325MS/MSD** (from SDG 440-237248-1), NERT3.58S1-20.0-20190327MS/MSD (from SDG 440-237489-1), NERT4.71S2-10.0-20190401MS/MSD (from SDG 440-237775-1), 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 ES-45-20190724MS/MSD (from SDG 440-246558-1) and PC-198-20190911MS/MSD (from SDG 440-249939-1), 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 ES-51-20190725MS/MSD (from SDG 440-246656-1), no data were qualified for nitrate as nitrate, chloride, and sulfate percent recoveries (%R) outside the QC limits since the parent sample results were greater than 4X the spike concentration.

For PC-198-20190801MS/MSD (from SDG 440-247074-1), no data were qualified for chlorate, chloride, and sulfate 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. Duplicate Sample Analysis

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

IX. Laboratory Control Samples

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

X. Field Duplicates

Samples PCDB-16-80.0-20190205 and PCDB-16-80.0-20190205-FD (both from SDG 440-232576-1), samples PCDB-17-120.0-20190206 and PCDB-17-120.0-20190206-FD (both from SDG 440-232727-1), samples NERT3.60S1-70.0-20190327 and NERT3.60S1-70.0-20190327-FD (both from SDG 440-237489-1), samples NERT3.35S1-30.0-20190329 and NERT3.35S1-30.0-20190329-FD (both from SDG 440-237531-1), samples NERT4.71S2-30.0-20190401 and NERT4.71S2-30.0-20190401-FD (both from SDG 440-237775-1), samples NERT4.64N1-30.0-20190403 and NERT4.64N1-30.0-20190403-FD (both from SDG 440-238128-1), samples NERT4.71N1-60.0-20190404 and NERT4.71N1-60.0-20190404-FD (both from SDG 440-238128-1), samples NERT3.60N1-20.0-20190408 and NERT3.60N1-20.0-20190408-FD (both from SDG 440-238500-1), samples NERT4.65N1-30.0-20190410 and NERT4.65N1-30.0-20190410-FD (both from SDG 440-238785-1), samples NERT4.70N1-60.0-20190411** and NERT4.70N1-60.0-20190411-FD** (both from SDG 440-238788-1), samples NERT3.40S1-40.0-20190416 and NERT3.40S1-40.0-20190416-FD (both from SDG 440-239319-1), samples NERT3.63S1-40.0-20190417

and NERT3.63S1-40.0-20190417-FD (both from SDG 440-239319-1), samples EBS-24-100.0-20190506** and EBS-24-100.0-20190506-FD** (both from SDG 440-240821-1), samples ESB-25-190.0-20190508-FD and ESB-25-190.0-20190508 (both from SDG 440-240938-1), samples ESB-26-80.0-20190508-FD and ESB-26-80.0-20190508 (both from SDG 440-240938-1), samples ESB-25-190.0-20190508-FD and ESB-25-190.0-20190508 (both from SDG 240-240938-2), samples ESB-26-80.0-20190508-FD and ESB-26-80.0-20190508 (both from SDG 240-240938-2), samples ESB-24-190.0-20190507 and ESB-24-190.0-20190507-FD (both from SDG 440-240964-1), samples ESB-25-70.0-20190507 and ESB-25-70.0-20190507-FD (both from SDG 440-240964-1), samples ESB-27-20.0-20190509 and ESB-27-20.0-20190509-FD (both from SDG 440-241255-1), samples ESB-27-130.0-20190509-FD and ESB-27-130.0-20190509 (both from SDG 440-241255-1), and samples ES-50-20190912* and ES-50-20190912-FD* (both from SDG 440-250047-1) 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
		NERT3.60S1-70.0-20190327	NERT3.60S1-70.0-20190327-FD			
440-237489-1	Perchlorate	1.5	2.3	42 (≤50)	-	-

SDG	Analyte	Concentration (mg/Kg)		RPD (Limits)	Flag	A or P
		NERT3.35S1-30.0-20190329	NERT3.35S1-30.0-20190329-FD			
440-237531-1	Chlorate	0.044	0.046	4 (≤50)	-	-
	Perchlorate	0.038	0.053	33 (≤50)	-	-

SDG	Analyte	Concentration (mg/Kg)		RPD (Limits)	Flag	A or P
		NERT4.71S2-30.0-20190401	NERT4.71S2-30.0-20190401-FD			
440-237775-1	Chlorate	3.4	3.3	3 (≤50)	-	-
	Perchlorate	0.68	0.66	3 (≤50)	-	-

SDG	Analyte	Concentration (mg/Kg)		RPD (Limits)	Flag	A or P
		NERT4.64N1-30.0-20190403	NERT4.64N1-30.0-20190403-FD			
440-238128-1	Perchlorate	0.065	0.054	18 (≤50)	-	-

*Samples underwent Stage 2A validation
**Samples underwent Stage 4 validation

SDG	Analyte	Concentration (mg/Kg)		RPD (Limits)	Flag	A or P
		NERT4.71N1-60.0-20190404	NERT4.71N1-60.0-20190404-FD			
440-238128-1	Chlorate	0.23	0.26	12 (≤50)	-	-
	Perchlorate	0.47	0.56	17 (≤50)	-	-

SDG	Analyte	Concentration (mg/Kg)		RPD (Limits)	Flag	A or P
		NERT4.65N1-30.0-20190410	NERT4.65N1-30.0-20190410-FD			
440-238785-1	Perchlorate	0.050	0.058	15 (≤50)	-	-

SDG	Analyte	Concentration (mg/Kg)		RPD (Limits)	Flag	A or P
		NERT4.70N1-60.0-20190411**	NERT4.70N1-60.0-20190411-FD**			
440-238788-1	Chlorate	0.055	0.051	8 (≤50)	-	-
	Perchlorate	0.10	0.13	26 (≤50)	-	-

SDG	Analyte	Concentration (mg/Kg)		RPD (Limits)	Flag	A or P
		NERT3.40S1-40.0-20190416	NERT3.40S1-40.0-20190416-FD			
440-239319-1	Chlorate	0.20	0.20	0 (≤50)	-	-
	Perchlorate	0.39	0.41	5 (≤50)	-	-

SDG	Analyte	Concentration (mg/Kg)		RPD (Limits)	Flag	A or P
		NERT3.63S1-40.0-20190417	NERT3.63S1-40.0-20190417-FD			
440-239319-1	Chlorate	0.87	0.90	3 (≤50)	-	-
	Perchlorate	0.36	0.40	11 (≤50)	-	-

SDG	Analyte	Concentration (mg/Kg)		RPD (Limits)	Flag	A or P
		EBS-24-100.0-20190506**	EBS-24-100.0-20190506-FD**			
440-240821-1	Chlorate	0.071	0.051	33 (≤50)	-	-

*Samples underwent Stage 2A validation
**Samples underwent Stage 4 validation

SDG	Analyte	Concentration (mg/Kg)		RPD (Limits)	Flag	A or P
		ESB-26-80.0-20190508-FD	ESB-26-80.0-20190508			
440-240938-1	Nitrate as NO3	8.2	7.9	4 (≤50)	-	-

SDG	Analyte	Concentration (mg/Kg)		RPD (Limits)	Flag	A or P
		ESB-24-190.0-20190507	ESB-24-190.0-20190507-FD			
440-240964-1	Chlorate	0.30	0.25	18 (≤50)	-	-
	Perchlorate	0.065	0.058	11 (≤50)	-	-

SDG	Analyte	Concentration (mg/Kg)		RPD (Limits)	Flag	A or P
		ESB-25-70.0-20190507	ESB-25-70.0-20190507-FD			
440-240964-1	Chlorate	1.0	0.59	52 (≤50)	J (all detects)	A
	Nitrate as NO3	20	16	22 (≤50)	-	-
	Perchlorate	0.75	0.52	36 (≤50)	-	-
	Nitrate/Nitrite as N	4.6	3.7	22 (≤50)	-	-

SDG	Analyte	Concentration (mg/Kg)		RPD (Limits)	Flag	A or P
		ESB-27-20.0-20190509	ESB-27-20.0-20190509-FD			
440-241255-1	Nitrate as NO3	5.6	5.5	2 (≤50)	-	-
	Nitrate/Nitrite as N	1.3	1.3U	200 (≤50)	NQ	-
	Perchlorate	0.021	0.021	0 (≤50)	-	-

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		ES-50-20190912*	ES-50-20190912-FD*			
440-250047-1	Hexavalent chromium	7.0 ug/L	6.8 ug/L	3 (≤30)	-	-
	Bromide	260 ug/L	270 ug/L	4 (≤30)	-	-
	Chloride	110000 ug/L	100000 ug/L	10 (≤30)	-	-

*Samples underwent Stage 2A validation
**Samples underwent Stage 4 validation

SDG	Analyte	Concentration		RPD (Limits)	Flag	A or P
		ES-50-20190912*	ES-50-20190912-FD*			
440-250047-1	Nitrite as N	43 ug/L	42 ug/L	2 (≤30)	-	-
	Nitrate as NO3	3.7 mg/L	3.7 mg/L	0 (≤30)	-	-
	Sulfate	330000 ug/L	310000 ug/L	6 (≤30)	-	-
	Perchlorate	4.0U ug/L	23 ug/L	200 (≤30)	NQ	-
	pH	8.1 SU	8.2 SU	1 (≤30)	-	-
	Alkalinity as CaCO3	93000 ug/L	93000 ug/L	0 (≤30)	-	-
	Bicarbonate as HCO3	110000 ug/L	110000 ug/L	0 (≤30)	-	-

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

XI. Sample Result Verification

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

XII. Overall Assessment of Data

The analysis was conducted within all specifications of the methods.

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

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

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

*Samples underwent Stage 2A validation
**Samples underwent Stage 4 validation

NERT RI, Phase 3 Modifications 4, 5, 6 and 9
Wet Chemistry - Data Qualification Summary - SDGs 440-232366-1, 440-232576-1, 440-232727-1, 440-237248-1, 440-237489-1, 440-237531-1, 440-237775-1, 440-238128-1, 440-238500-1, 440-238785-1, 440-238788-1, 440-239319-1, 440-240821-1, 440-240938-1, 440-240938-2, 440-240964-1, 440-241255-1, 440-246558-1, 440-246656-1, 440-246807-1, 440-247008-1, 440-247074-1, 440-247189-1, 440-248614-1, 440-249939-1, 440-249940-1, 440-250047-1

SDG	Sample	Analyte	Flag	A or P	Reason (Code)
440-247189-1	PC-199-20190802*	Hexavalent chromium	UJ (all non-detects)	P	Technical holding times (h)
440-249939-1	PC-198-20190911* PC-199-20190911*	pH	J (all detects)	P	Technical holding times (h)
440-249939-1	PC-198-20190911* PC-199-20190911*	Ferrous iron	UJ (all non-detects)	P	Technical holding times (h)
440-249940-1	ES-45-20190911* ES-47-20190911* ES-48-20190911*	pH	J (all detects)	P	Technical holding times (h)
440-250047-1	ES-50-20190912* ES-51-20190912* ES-52-20190912* ES-50-20190912-FD*	pH	J (all detects)	P	Technical holding times (h)
440-232366-1	PCDB-15-150.0-20190204	Chlorate	J- (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-232576-1	PCDB-16-50.0-20190205 PCDB-16-60.0-20190205 PCDB-16-70.0-20190205 PCDB-16-80.0-20190205 PCDB-16-90.0-20190205 PCDB-16-100.0-20190205 PCDB-16-110.0-20190205 PCDB-16-120.0-20190205 PCDB-16-130.0-20190205 PCDB-16-140.0-20190205 PCDB-16-150.0-20190205 PCDB-16-80.0-20190205-FD	Nitrite as N Nitrate/Nitrite as N	UJ (all non-detects) UJ (all non-detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-232727-1	PCDB-17-50.0-20190206 PCDB-17-60.0-20190206 PCDB-17-70.0-20190206 PCDB-17-80.0-20190206 PCDB-17-90.0-20190206 PCDB-17-100.0-20190206 PCDB-17-110.0-20190206 PCDB-17-120.0-20190206 PCDB-17-130.0-20190206 PCDB-17-140.0-20190206 PCDB-17-150.0-20190206 PCDB-17-120.0-20190206-FD	Nitrite as N Nitrate/Nitrite as N	J- (all detects) UJ (all non-detects) J- (all detects) UJ (all non-detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)

*Samples underwent Stage 2A validation
**Samples underwent Stage 4 validation

SDG	Sample	Analyte	Flag	A or P	Reason (Code)
440-237248-1	NERT4.64S1-10.0-20190325** NERT4.64S1-20.0-20190325** NERT4.64S1-30.0-20190325** NERT4.64S1-40.0-20190325** NERT4.64S1-50.0-20190325** NERT3.60S1-10.0-20190326** NERT3.60S1-20.0-20190326**	Perchlorate	J- (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-237489-1	NERT3.58S1-60.0-20190327 NERT3.60S1-30.0-20190326 NERT3.60S1-40.0-20190326 NERT3.60S1-50.0-20190326 NERT3.60S1-60.0-20190327 NERT3.60S1-70.0-20190327 NERT3.60S1-70.0-20190327-FD NERT3.60S1-80.0-20190327 NERT3.60S1-90.0-20190327 NERT3.58S1-10.0-20190327 NERT3.58S1-20.0-20190327 NERT3.58S1-30.0-20190327 NERT3.58S1-40.0-20190327 NERT3.58S1-50.0-20190327	Perchlorate	J- (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-237531-1	NERT3.35S1-10.0-20190329 NERT3.35S1-20.0-20190329 NERT3.35S1-30.0-20190329 NERT3.35S1-30.0-20190329-FD	Perchlorate	J- (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-237775-1	NERT3.98S1-20.0-20190402	Chlorate	J- (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-238128-1	NERT4.64N1-30.0-20190403 NERT4.64N1-30.0-20190403-FD NERT4.64N1-40.0-20190403 NERT4.64N1-50.0-20190403 NERT4.64N1-60.0-20190403 NERT4.64N1-80.0-20190404 NERT4.64N1-90.0-20190404 NERT4.71N1-10.0-20190404 NERT4.71N1-30.0-20190404 NERT4.71N1-40.0-20190404 NERT4.71N1-50.0-20190404 NERT4.71N1-60.0-20190404 NERT4.71N1-60.0-20190404-FD NERT4.71N1-70.0-20190404 NERT4.71N1-80.0-20190404 NERT4.71N1-90.0-20190404	Perchlorate	J- (all detects) UJ (all non-detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-240821-1	ESB-24-10.0-20190506** ESB-24-20.0-20190506** ESB-24-30.0-20190506** ESB-24-40.0-20190506** ESB-24-50.0-20190506** ESB-24-60.0-20190506** ESB-24-70.0-20190506** ESB-24-80.0-20190506** ESB-24-90.0-20190506** ESB-24-100.0-20190506** ESB-24-100.0-20190506-FD**	Chlorate	J- (all detects) UJ (all non-detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)

*Samples underwent Stage 2A validation
**Samples underwent Stage 4 validation

SDG	Sample	Analyte	Flag	A or P	Reason (Code)
440-240964-1	ESB-24-110.0-20190506 ESB-24-120.0-20190506 ESB-24-130.0-20190506 ESB-24-140.0-20190507 ESB-24-150.0-20190507 ESB-24-160.0-20190507 ESB-24-170.0-20190507 ESB-24-180.0-20190507 ESB-24-190.0-20190507 ESB-24-200.0-20190507 ESB-24-190.0-20190507-FD ESB-25-10.0-20190507 ESB-25-20.0-20190507 ESB-25-30.0-20190507 ESB-25-40.0-20190507 ESB-25-50.0-20190507 ESB-25-60.0-20190507 ESB-25-70.0-20190507 ESB-25-70.0-20190507-FD ESB-25-80.0-20190507	Nitrite as N Nitrate/Nitrite as N	J- (all detects) UJ (all non-detects) J- (all detects) UJ (all non-detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-240964-1	ESB-24-110.0-20190506	Nitrate as NO3	UJ (all non-detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-246656-1	ES-51-20190725*	Orthophosphate as P	R (all non-detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-247074-1	PC-198-20190801*	Orthophosphate as P Nitrate as NO3	J+ (all detects) J+ (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-247189-1	PC-199-20190802*	Orthophosphate as P	J+ (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-250047-1	ES-51-20190912*	Perchlorate	J+ (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (m)
440-240964-1	ESB-25-70.0-20190507 ESB-25-70.0-20190507-FD	Chlorate	J (all detects)	A	Field duplicates (RPD) (fd)

NERT RI, Phase 3 Modifications 4, 5, 6 and 9
Wet Chemistry - Laboratory Blank Data Qualification Summary - SDGs 440-232366-1, 440-232576-1, 440-232727-1, 440-237248-1, 440-237489-1, 440-237531-1, 440-237775-1, 440-238128-1, 440-238500-1, 440-238785-1, 440-238788-1, 440-239319-1, 440-240821-1, 440-240938-1, 440-240938-2, 440-240964-1, 440-241255-1, 440-246558-1, 440-246656-1, 440-246807-1, 440-247008-1, 440-247074-1, 440-247189-1, 440-248614-1, 440-249939-1, 440-249940-1, 440-250047-1

SDG	Sample	Analyte	Modified Final Concentration	A or P	Code
440-237775-1	NERT3.98S1-10.0-20190402	Perchlorate	0.0079J mg/Kg	A	bl,bb

*Samples underwent Stage 2A validation
**Samples underwent Stage 4 validation

NERT RI, Phase 3 Modifications 4, 5, 6 and 9
Wet Chemistry - Field Blank Data Qualification Summary - SDGs 440-232366-1, 440-232576-1, 440-232727-1, 440-237248-1, 440-237489-1, 440-237531-1, 440-237775-1, 440-238128-1, 440-238500-1, 440-238785-1, 440-238788-1, 440-239319-1, 440-240821-1, 440-240938-1, 440-240938-2, 440-240964-1, 440-241255-1, 440-246558-1, 440-246656-1, 440-246807-1, 440-247008-1, 440-247074-1, 440-247189-1, 440-248614-1, 440-249939-1, 440-249940-1, 440-250047-1

No Sample Data Qualified in these SDGs

*Samples underwent Stage 2A validation
**Samples underwent Stage 4 validation