APPENDIX A

CODES FOR LABELING DATA

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TABLE 1. CODES FOR LABELING DATA

Sample	Sample Number
Sample in SDG	XXXXX
Sample or Laboratory QC Not Part of the SDG[1]	ZZZZZ
Sample analyzed at a dilution[2]	XXXXXDL
Sample analyzed at a secondary dilution[2]	XXXXXDL2
Sample analyzed at a third dilution[2]	XXXXXDL3
Reanalyzed (re-injected) Sample	XXXXXRE
Reanalyzed (re-injected) Sample at a dilution	XXXXXREDL
Re-extracted and reanalyzed Sample[3]	XXXXXRX
Re-extracted and reanalyzed Sample at a dilution[3]	XXXXXRXDL
CDD/CDF Method Blanks	DBLK###
CDD/CDF Instrument Blanks	DIBLK###
CDD/CDF LCS/LCSD	DLCS### and DLCSD###
CBC Method Blanks	CBLK###
CBC Instrument Blanks	CIBLK###
CBC LCS/LCSD	CLCS### and CLCSD###
Column Performance Solution	CPS###
Perfluorokerosene (PFK) Mass Resolution Check	PFK###
Calibration Standards	CS1###, CS2###, CS3###, CS4###, CS5### (shall correspond to the calibration solutions identified in Exhibit D)
Combined 209 Congener Solution	CS209### (for the single point calibration as specified in Exhibit D)

Footnotes:

[1] Instrument Quality Control (QC) samples must not be reported as ZZZZZ.

[2] If the sample extract is diluted due to an "E" flag in a sample, then the "DL" suffix is appended to the EPA Sample Number on Forms 1-HR and Form 2-HR for the sample, and incremented as necessary.

[3] If a smaller sample aliquot is used to re-extract and analyze due to an "E" flag in a sample or due to matrix and/or QC failure, then the "RX" suffix is appended to the EPA Sample Number on Forms 1-HR and Form 2-HR for the sample. Any dilution of the re-extracted sample shall be labeled with "RXDL" suffix.

NOTE: "EPA SAMPLE NO." must be unique within an SDG and analytical method. Therefore, the Contractor must replace the "###" terminator of the identifier with one to three characters or numbers, or a combination of both, to create a unique sample number for each blank and standard within the SDG. For example, possible identifiers for method blanks would be DBLK01, DBLKA1, CBLK01, CBLKA1, etc. In cases where the same method blank is being analyzed more than once, label the method blank as DBLK01(2), DBLK01(3), or DBLK01RE, etc. For LCS### and LCSD### extracted with the same batch, the suffixes shall match.

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APPENDIX B

FORMAT CHARACTERISTICS FOR METHOD DETECTION LIMIT STUDY DATA

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FORMAT CHARACTERISTICS FOR METHOD DETECTION LIMIT STUDY DATA

The Method Detection Limit (MDL) study data deliverable consists of a comma-separated values (CSV) file containing the following fields (Table -1 – Method Detection Limit Study Data Deliverable) in the order specified and reported based on the provided specifications.

All fields must be reported. Report contents per the instructions. All numeric values shall be reported as numeric values, not as equations.

The Contractor shall provide one file for each combination of analytical method, preparation method, instrument, and column type and dimensions used to report MDLs under this contract.

The Contractor shall deliver the files to the recipients specified in Table 1 of Exhibit B – Reporting and Deliverables Requirements.

The format for the file name shall be MDL_#.csv, where # can be any naming convention selected by the Contractor.

TABLE 1. PRELIMINARY RESULTS DATA DELIVERABLE

Column	Instruction
LabID	Report the Agency-assigned Lab Code.
LabContract	Report the Lab Contract Number per the instructions for Header/LabContract.
MethodSource	Report the SOW per the instructions for SamplePlusMethod/ClientMethodSource.
Method	Report the analytical method per the instructions for SamplePlusMethod/ClientMethodID.
PreparationMethod	Report the preparation method per the instructions for PreparationPlusCleanup/ClientMethodID.
ClientMethodCategory	Leave null.
ClientMethodModificationID	Report the MA number per the instructions for SamplePlusMethod/ClientMethodModificationID if applicable. Otherwise leave null.
Level	Leave null.
Matrix	Report the sample matrix per the instructions for SamplePlusMethod/MatrixID.
InstrumentID	Report the instrument ID per the instructions for Analysis/InstrummentID.
ColumnID	Report the column ID per the instructions for Analysis/Column.
ClientAnalyteID	Report the analyte per the instructions for ReportedResult/ClientAnalyteID.
DetectionLimit	Report the Detection Limit for each analyte calculated from the spike replicates or from the Method Blank analyses per the instructions for ReportedResult/ClientDetectionLimit. The unadjusted MDL shall always be rounded up from the value calculated from the MDL study data. For example, a calculated MDL value of 22.43 shall be reported as 23. This requirement is to prevent values less than the actual detection limit being reported as detects.
DetectionLimitUnits	Report the appropriate units for the matrix and preparation method per the instructions for ReportedResult/ClientDetectionLimitUnits.
DetectionLimitMethod	Report "Spike" if the MDL is determined from the analysis of spiked samples. Report "Blank" if the MDL is determined from analyzed Method Blanks.
EffectiveDate	Report the date on which the Laboratory began to use the MDL for reporting sample results for that analyte and method formatted per the instructions for Header/DateFormat.

APPENDIX C

FORMAT CHARACTERISTICS FOR SAMPLE DELIVERY GROUP TRAFFIC REPORT/CHAIN OF
CUSTODY RECORDS DATA

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FORMAT CHARACTERISTICS FOR SAMPLE DELIVERY GROUP TRAFFIC REPORT/CHAIN OF
CUSTODY RECORDS DATA

The Sample Delivery Group (SDG) Traffic Report/Chain of Custody (TR/COC)
Records data deliverable consists of a Comma-Separated Values (CSV) file
containing the following columns (Table 1 – SDG TR/COC Records Data
Deliverable) in the order specified and reported based on the provided
specifications, and a Portable Document Format (PDF) file of the
corresponding SDG Cover Page and TR/COC Records.

All fields in the CSV file must be reported, but not all fields will require
content in all cases (e.g., ModifiedAnalysisNumber is only reported when a
Modified Analysis has been solicited for the scheduled analysis). Report
contents per the instructions.

The Contractor shall provide one file for each SDG.

The Contractor shall deliver the file to the recipients specified in Table 1
– Deliverable Schedule of Exhibit B – Reporting and Deliverables
Requirements.

The format for the file name shall be
TRCOC_CaseNumber_SDGNumber_ContractNumber.csv.

Appendix C

<div align="center">TABLE 1. SDG TR/COC RECORDS DATA DELIVERABLE</div>

Column	Instruction
SDGNumber	Report the lab-generated Sample Delivery Group (SDG) Number.
CaseNumber	Report the assigned Case Number.
LabCode	Report the Agency-assigned Lab Code.
SDGComments	Enter any comments. May leave blank if none.
SampleNumber	Report the EPA Sample Number from the TR/COC.
DeliverableType	Report "2a".
SampleTypeCode	Report "Field_Sample", "Field_Blank", or "PT_Sample" as applicable.
SampleShipDate	Report the date and time the sample was shipped to the lab. Format as YYYYMMDDTHH:MM.
SampleReceiptDate	Report the date and time this sample was received by the laboratory. Format as YYYYMMDDTHH:MM.
StationLocation	Report the Station Location from the TR/COC.
CollectionStartDate	Report the date and time this sample was collected or sample collection was started. Format as YYYYMMDDTHH:MM.
CollectionEndDate	Report the date and time sample collection ended if provided. Otherwise leave blank. Format as YYYYMMDDTHH:MM.
COCIdentifier	Report the TR/COC Record Form Number.
TurnaroundTime	Enter the Turn Around Time per the contract.
MatrixName	Report the Matrix (Water, Soil, Tissue, Sludge, Biosolids, Ash, Oil) as applicable.
AnalysisName	Report the Analysis Name.
SolicitationNumber	Report the Solicitation ID Number, if applicable. Otherwise, leave null.
MANumber	Report the MA Number, if applicable. Otherwise leave null.
PRRequired	Report "Y" or "N" as applicable if Preliminary Results required.