







Case: \_\_\_\_\_ SDG: \_\_\_\_\_

**III. CALIBRATIONS**

**A. Initial Calibration** - List all calibration correlation coefficients that are outside the method QC acceptance criteria and/or the y-intercept of the calibration curve that is >CRQL.

Calibration correlation QC acceptance criteria: \_\_\_\_\_ Calibration Type: \_\_\_\_\_

Date/Time	Instrument ID	Analyte	Correlation Coefficient	y-Intercept	CRQL	Samples Affected	Action

**B. Initial Calibration Standard Concentration Verifications** – Review CLP Form 16-IN and list all calculated %Ds that are >30 of the true value of any non-zero standard.

Date/time	Instrument ID	Analyte	True Conc.	Found Conc.	%D	Samples Affected	Action

Comments: \_\_\_\_\_  
 \_\_\_\_\_

Validator: \_\_\_\_\_ Date: \_\_\_\_\_

Case: \_\_\_\_\_ SDG: \_\_\_\_\_

**III. CALIBRATIONS**

**C. Initial and Continuing Calibration Verifications** - List all ICV and CCV analyte recoveries that are outside the method QC acceptance criteria.

ICV method QC acceptance criteria: \_\_\_\_\_ CCV method QC acceptance criteria: \_\_\_\_\_

Date/Time	Instrument ID	Analyte	ICV/CCV #	% R	Samples Affected	Action

**D. Quantitation Limit Check Standard** - List all QL Check Standard analytes that are outside method QC acceptance criteria (for non-CLP methods).

QL Check Standard method QC acceptance criteria: \_\_\_\_\_

Date	Instr.	Analyte	QL Check Std. #	% R	Affected Range	Samples Affected	Action

Comments: \_\_\_\_\_  
 \_\_\_\_\_

Validator: \_\_\_\_\_ Date: \_\_\_\_\_



Case: \_\_\_\_\_ SDG: \_\_\_\_\_

**IV. BLANKS**

**C.1 Blank Contamination Worksheet - Circle or list the highest concentration of each contaminant.**

Analyte	Date Analyzed	ICB	CCB							PBW	PBS	EB	BB	Max. Conc.	CRQL
			1	2	3	4	5	6	7						
Aluminum															
Antimony															
Arsenic															
Barium															
Beryllium															
Cadmium															
Calcium															
Chromium															
Cobalt															
Copper															
Iron															
Lead															
Magnesium															
Manganese															
Mercury															
Nickel															
Potassium															
Selenium															
Silver															
Sodium															
Thallium															
Vanadium															
Zinc															
Cyanide															

Validator: \_\_\_\_\_ Date: \_\_\_\_\_

























EPA R1 Data Validation Worksheet  
**INORG-XIV**

Case: \_\_\_\_\_ SDG: \_\_\_\_\_

**XIV. ANALYTE QUANTITATION, REPORTED QUANTITATION LIMITS AND % SOLIDS**

Recalculate, from the raw data, the concentrations for one positive detect and one reported sample quantitation limit for a non-detect in a diluted sample or soil sample per analytical method

Do all soil/sediment samples have % solids greater than or equal to 30%?      **Y**      **N**

• If no, were any steps employed to address the high moisture content? \_\_\_\_\_

• Indicate the action and list the affected sample nos.: \_\_\_\_\_

Refer to EPA R1 DR Supplement guidance for actions related to %solids (Section 2.8).

Method		Calculation
<b>ICP-AES</b>		
Sample No.:		
Reported Analyte:		
Reported Value:		
Non-Detected Analyte:		
Reported Quantitation Limit:		
<b>ICP-MS</b>		
Sample No.:		
Reported Analyte:		
Reported Value:		
Non-Detected Analyte:		
Reported Quantitation Limit:		
<b>Mercury</b>		
Sample No.:		
Reported Value:		
Sample No.:		
Reported Quantitation Limit:		
<b>Cyanide</b>		
Sample No.:		
Reported Value:		
Sample No.:		
Reported Quantitation Limit:		

Validator: \_\_\_\_\_

Date: \_\_\_\_\_