

**Laboratory Data Consultants, Inc.  
Data Validation Report**

**Project/Site Name:** Aerojet PGOU  
**Collection Date:** June 20, 2006  
**LDC Report Date:** September 22, 2006  
**Matrix:** Soil  
**Parameters:** Perchlorate  
**Validation Level:** EPA Level III & IV equivalent  
**Laboratory:** Test America - Irvine  
**Sample Delivery Group (SDG):** S606413

**Sample Identification**

C41-SB06-45	C41-SB08-2
C41-SB06-50	C41-SB08-5
C41-SB07-0	C41-SB08-5MS
C41-SB07-2	C41-SB08-5MSD
C41-SB07-5	C41-SB08-10
C41-SB07-10	C41-SB08-15
C41-SB07-15	C41-SB08-20
C41-SB07-20	C41-SB08-25
C41-SB07-25	C41-SB08-30
C41-SB07-30	C41-SB08-35
C41-SB07-35 **	C41-SB08-40
C41-SB07-40	C41-SB08-45
C41-SB07-45	C41-SB08-50
C41-SB07-50	C41-SB08-55
C41-SB07-55	C41-SB08-60
C41-SB08-0	

\*\*Indicates sample underwent EPA Level IV review

## Introduction

This data review covers 31 soil samples listed on the cover sheet including QC samples, dilutions, and reanalysis as applicable. The analyses were per EPA Method 314.0 for Perchlorate.

The review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review (February 1994) as there are no current guidelines for the methods stated above.

A table summarizing all data qualification is provided at the end of this report, if data has been qualified. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section III.

Field duplicates are summarized in Section IX.

Samples indicated by a double asterisk on the front cover underwent an EPA Level IV review. An EPA Level III review was performed on all of the other samples. Raw data were not evaluated for the samples reviewed by Level III criteria since this review is based on QC data.

The following are definitions of the data qualifiers:

- U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.
- J Indicates an estimated value.
- R Quality control indicates the data is not usable.
- N Presumptive evidence of presence of the constituent.
- UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.
- A Indicates the finding is based upon technical validation criteria.
- P Indicates the finding is related to a protocol/contractual deviation.
- None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

## **I. Technical Holding Times**

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

## **II. Calibration**

### **a. Initial Calibration**

All criteria for the initial calibration were met.

### **b. Calibration Verification**

Calibration verification frequency and analysis criteria were met.

The laboratory did not provide a summary of percent recovery (%R) values for the continuing calibration standards. However, the %R of concentrations in continuing calibration standards were re-calculated and were determined to be within the QC limits.

## **III. Blanks**

Method blanks were reviewed for each matrix as applicable. No contaminant concentrations were found in the method blanks.

## **IV. Matrix Spike/Matrix Spike Duplicates**

Matrix spike (MS) and matrix spike duplicate (MSD) samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within the laboratory QC limits.

## **V. Duplicates**

Duplicate (DUP) sample analyses were not preformed. Therefore, this parameter was not reviewed.

## **VI. Laboratory Control Samples**

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) were within the laboratory QC limits.

## **VII. Sample Result Verification**

All sample result verifications were within validation criteria for samples on which an EPA Level IV review was performed.

Raw data were not evaluated for the samples reviewed by Level III criteria.

### **VIII. Overall Assessment of Data**

Data flags have been summarized at the end of the report, if data has been qualified.

### **IX. Field Duplicates**

No samples were identified as field duplicates. Therefore, this parameter was not reviewed.

**Aerojet PGOU  
Perchlorate - Data Qualification Summary - SDG S606413**

No Sample Data Qualified in this SDG

**Aerojet PGOU  
Perchlorate - Laboratory Blank Data Qualification Summary - SDG S606413**

No Sample Data Qualified in this SDG

ERM-West - Sacramento 2525 Natomas Park Dr., Ste. 350 Sacramento CA, 95833	Project: Aerojet PGOU Project Number: 20648.03 Project Manager: Bruce Lewis	S606413 Reported: 07/07/06 15:52
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**INORGANICS**  
**Del Mar Analytical - Irvine**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>C-41-SB06-45 (S606413-01) Soil</b> <b>Sampled: 06/20/06 08:15</b> <b>Received: 06/21/06 09:45</b>									
Perchlorate	ND	0.040	mg/kg	1	6F27117	06/27/06	06/28/06 00:26	EPA 314.0 MOD.	
<b>C-41-SB06-50 (S606413-02) Soil</b> <b>Sampled: 06/20/06 08:20</b> <b>Received: 06/21/06 09:45</b>									
Perchlorate	ND	0.040	mg/kg	1	6F27117	06/27/06	06/28/06 01:31	EPA 314.0 MOD.	
<b>C-41-SB07-0 (S606413-03) Soil</b> <b>Sampled: 06/20/06 09:00</b> <b>Received: 06/21/06 09:45</b>									
Perchlorate	ND	0.040	mg/kg	1	6F27117	06/27/06	06/28/06 01:53	EPA 314.0 MOD.	
<b>C-41-SB07-2 (S606413-04) Soil</b> <b>Sampled: 06/20/06 09:15</b> <b>Received: 06/21/06 09:45</b>									
Perchlorate	ND	0.040	mg/kg	1	6F27117	06/27/06	06/28/06 02:14	EPA 314.0 MOD.	
<b>C-41-SB07-5 (S606413-05) Soil</b> <b>Sampled: 06/20/06 09:20</b> <b>Received: 06/21/06 09:45</b>									
Perchlorate	0.061	0.040	mg/kg	1	6F27117	06/27/06	06/28/06 02:36	EPA 314.0 MOD.	
<b>C-41-SB07-10 (S606413-06) Soil</b> <b>Sampled: 06/20/06 09:30</b> <b>Received: 06/21/06 09:45</b>									
Perchlorate	0.20	0.040	mg/kg	1	6F27117	06/27/06	06/28/06 02:58	EPA 314.0 MOD.	
<b>C-41-SB07-15 (S606413-07) Soil</b> <b>Sampled: 06/20/06 09:40</b> <b>Received: 06/21/06 09:45</b>									
Perchlorate	0.15	0.040	mg/kg	1	6F27117	06/27/06	06/28/06 03:19	EPA 314.0 MOD.	
<b>C-41-SB07-20 (S606413-08) Soil</b> <b>Sampled: 06/20/06 09:45</b> <b>Received: 06/21/06 09:45</b>									
Perchlorate	0.17	0.040	mg/kg	1	6F27117	06/27/06	06/28/06 03:41	EPA 314.0 MOD.	
<b>C-41-SB07-25 (S606413-09) Soil</b> <b>Sampled: 06/20/06 09:50</b> <b>Received: 06/21/06 09:45</b>									
Perchlorate	0.14	0.040	mg/kg	1	6F27117	06/27/06	06/28/06 04:03	EPA 314.0 MOD.	

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Sacramento CA, 95833

Project: Aerojet PGOU  
Project Number: 20648.03  
Project Manager: Bruce Lewis

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**INORGANICS**  
**Del Mar Analytical - Irvine**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
<b>C-41-SB07-30 (S606413-10) Soil</b> <b>Sampled: 06/20/06 09:55</b> <b>Received: 06/21/06 09:45</b>										
Perchlorate	0.11	0.040		mg/kg	1	6F27117	06/27/06	06/28/06 04:25	EPA 314.0 MOD.	
<b>C-41-SB07-35 (S606413-11) Soil</b> <b>Sampled: 06/20/06 10:40</b> <b>Received: 06/21/06 09:45</b>										
Perchlorate	0.54	0.040		mg/kg	1	6F27117	06/27/06	06/28/06 04:46	EPA 314.0 MOD.	
<b>C-41-SB07-40 (S606413-12) Soil</b> <b>Sampled: 06/20/06 10:45</b> <b>Received: 06/21/06 09:45</b>										
Perchlorate	0.40	0.040		mg/kg	1	6F27117	06/27/06	06/28/06 05:51	EPA 314.0 MOD.	
<b>C-41-SB07-45 (S606413-13) Soil</b> <b>Sampled: 06/20/06 11:40</b> <b>Received: 06/21/06 09:45</b>										
Perchlorate	0.53	0.040		mg/kg	1	6F27117	06/27/06	06/28/06 06:13	EPA 314.0 MOD.	
<b>C-41-SB07-50 (S606413-14) Soil</b> <b>Sampled: 06/20/06 11:45</b> <b>Received: 06/21/06 09:45</b>										
Perchlorate	0.34	0.040		mg/kg	1	6F27117	06/27/06	06/28/06 06:35	EPA 314.0 MOD.	
<b>C-41-SB07-55 (S606413-15) Soil</b> <b>Sampled: 06/20/06 12:00</b> <b>Received: 06/21/06 09:45</b>										
Perchlorate	ND	0.040		mg/kg	1	6F27117	06/27/06	06/28/06 06:56	EPA 314.0 MOD.	
<b>C-41-SB08-0 (S606413-16) Soil</b> <b>Sampled: 06/20/06 14:35</b> <b>Received: 06/21/06 09:45</b>										
Perchlorate	ND	0.040		mg/kg	1	6F27117	06/27/06	06/29/06 03:59	EPA 314.0 MOD.	
<b>C-41-SB08-2 (S606413-17) Soil</b> <b>Sampled: 06/20/06 14:39</b> <b>Received: 06/21/06 09:45</b>										
Perchlorate	ND	0.040		mg/kg	1	6F27117	06/27/06	06/28/06 07:40	EPA 314.0 MOD.	
<b>C-41-SB08-5 (S606413-18) Soil</b> <b>Sampled: 06/20/06 14:41</b> <b>Received: 06/21/06 09:45</b>										
Perchlorate	ND	0.040		mg/kg	1	6F28096	06/28/06	06/29/06 20:17	EPA 314.0 MOD.	

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**INORGANICS**

**Del Mar Analytical - Irvine**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
<b>C-41-SB08-10 (S606413-19) Soil</b> <b>Sampled: 06/20/06 14:43</b> <b>Received: 06/21/06 09:45</b>										
Perchlorate	ND	0.040		mg/kg	1	6F28096	06/28/06	06/29/06 21:22	EPA 314.0 MOD.	
<b>C-41-SB08-15 (S606413-20) Soil</b> <b>Sampled: 06/20/06 15:14</b> <b>Received: 06/21/06 09:45</b>										
Perchlorate	ND	0.040		mg/kg	1	6F28096	06/28/06	06/30/06 17:19	EPA 314.0 MOD.	
<b>C-41-SB08-20 (S606413-21) Soil</b> <b>Sampled: 06/20/06 15:18</b> <b>Received: 06/21/06 09:45</b>										
Perchlorate	ND	0.040		mg/kg	1	6F28096	06/28/06	06/29/06 22:05	EPA 314.0 MOD.	
<b>C-41-SB08-25 (S606413-22) Soil</b> <b>Sampled: 06/20/06 15:21</b> <b>Received: 06/21/06 09:45</b>										
Perchlorate	0.044	0.040		mg/kg	1	6F28096	06/28/06	06/29/06 22:27	EPA 314.0 MOD.	
<b>C-41-SB08-30 (S606413-23) Soil</b> <b>Sampled: 06/20/06 15:28</b> <b>Received: 06/21/06 09:45</b>										
Perchlorate	ND	0.040		mg/kg	1	6F28096	06/28/06	06/29/06 22:49	EPA 314.0 MOD.	
<b>C-41-SB08-35 (S606413-24) Soil</b> <b>Sampled: 06/20/06 15:30</b> <b>Received: 06/21/06 09:45</b>										
Perchlorate	ND	0.040		mg/kg	1	6F28096	06/28/06	06/29/06 23:54	EPA 314.0 MOD.	
<b>C-41-SB08-40 (S606413-25) Soil</b> <b>Sampled: 06/20/06 15:42</b> <b>Received: 06/21/06 09:45</b>										
Perchlorate	0.062	0.040		mg/kg	1	6F28096	06/28/06	06/30/06 00:15	EPA 314.0 MOD.	
<b>C-41-SB08-45 (S606413-26) Soil</b> <b>Sampled: 06/20/06 16:38</b> <b>Received: 06/21/06 09:45</b>										
Perchlorate	0.062	0.040		mg/kg	1	6F28096	06/28/06	06/30/06 00:37	EPA 314.0 MOD.	
<b>C-41-SB08-50 (S606413-27) Soil</b> <b>Sampled: 06/20/06 16:48</b> <b>Received: 06/21/06 09:45</b>										
Perchlorate	ND	0.040		mg/kg	1	6F28096	06/28/06	06/30/06 00:59	EPA 314.0 MOD.	

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**INORGANICS**

**Del Mar Analytical - Irvine**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
<b>C-41-SB08-55 (S606413-28) Soil</b> <b>Sampled: 06/20/06 17:01</b> <b>Received: 06/21/06 09:45</b>										
Perchlorate	ND	0.040		mg/kg	1	6F28096	06/28/06	06/30/06 21:18	EPA 314.0 MOD.	
<b>C-41-SB08-60 (S606413-29) Soil</b> <b>Sampled: 06/20/06 17:03</b> <b>Received: 06/21/06 09:45</b>										
Perchlorate	ND	0.040		mg/kg	1	6F28096	06/28/06	06/30/06 01:42	EPA 314.0 MOD.	

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**Method:** Perchlorate by IC ( EPA Method 314.0 )

Validation Area	Yes	No	NA	Findings/Comments
<b>I. Technical holding times</b>				
All technical holding times were met.	✓			
Cooler temperature criteria was met.	✓			
<b>II. Calibration</b>				
Were all instruments calibrated daily, each set-up time?	✓			
Were the proper number of standards used?	✓			
Were all initial calibration correlation coefficients $\geq 0.995$ ?	✓			
Were all initial and continuing calibration verification %Rs within the 90-110% QC limits?	✓			SEE Cont cal worksheet
Were titrant checks performed as required? (Level IV only)			✓	
Were balance checks performed as required? (Level IV only)			✓	
<b>III. Blanks</b>				
Was a method blank associated with every sample in this SDG?	✓			
Was there contamination in the method blanks? If yes, please see the Blanks validation completeness worksheet.		✓		
<b>IV. Matrix spike/Matrix spike duplicates and Duplicates</b>				
Were a matrix spike (MS) and duplicate (DUP) analyzed for each matrix in this SDG? If no, indicate which matrix does not have an associated MS/MSD or MS/DUP. Soil / Water.	✓			
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the 75-125 QC limits? If the sample concentration exceeded the spike concentration by a factor of 4 or more, no action was taken.	✓			85-115%
Were the MS/MSD or duplicate relative percent differences (RPD) $\leq 20\%$ for waters and $\leq 35\%$ for soil samples? A control limit of $\leq \text{CRDL} (\leq 2X \text{ CRDL for soil})$ was used for samples that were $\leq 5X$ the CRDL, including when only one of the duplicate sample values were $< 5X$ the CRDL.	✓			20% RPD
<b>V. Laboratory control samples</b>				
Was an LCS analyzed for this SDG?	✓			
Was an LCS analyzed per extraction batch?	✓			
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the 80-120% (85-115% for Method 300.0) QC limits?	✓			85-115%
<b>VI. Regional Quality Assurance and Quality Control</b>				
Were performance evaluation (PE) samples performed?			✓	
Were the performance evaluation (PE) samples within the acceptance limits?			✓	

VALIDATION FINDINGS CHECKLIST

Validation Area	Yes	No	NA	Findings/Comments
<b>VII. Sample Result Verification</b>				
Were RLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?	✓			
Were detection limits < RL?	✓			
<b>VIII. Overall assessment of data</b>				
Overall assessment of data was found to be acceptable.	✓			
<b>IX. Field duplicates</b>				
Field duplicate pairs were identified in this SDG.		✓		
Target analytes were detected in the field duplicates.			✓	
<b>X. Field blanks</b>				
Field blanks were identified in this SDG.		✓		
Target analytes were detected in the field blanks.			✓	

**VALIDATION FINDINGS WORKSHEET**  
**Technical Holding Times**

All circled dates have exceeded the technical holding time.

Y N N/A Were all samples preserved as applicable to each method ?

Y N N/A Were all cooler temperatures within validation criteria? 4.4°C (Sacramento) 4.0°C (Irvine)

Methods:		Method 314.0				
Parameters:		Perchlorate				
Technical holding time:		28 Days				
Sample ID	Sampling date	Analysis date	Analysis date	Analysis date	Analysis date	Qualifier
C41-SB06-45	6/20/2006	6/28/2006				None
C41-SB06-50	6/20/2006	6/28/2006				None
C41-SB07-0	6/20/2006	6/28/2006				None
C41-SB07-2	6/20/2006	6/28/2006				None
C41-SB07-5	6/20/2006	6/28/2006				None
C41-SB07-10	6/20/2006	6/28/2006				None
C41-SB07-15	6/20/2006	6/28/2006				None
C41-SB07-20	6/20/2006	6/28/2006				None
C41-SB07-25	6/20/2006	6/28/2006				None
C41-SB07-30	6/20/2006	6/28/2006				None
C41-SB07-35	6/20/2006	6/28/2006				None
C41-SB07-40	6/20/2006	6/28/2006				None
C41-SB07-45	6/20/2006	6/28/2006				None
C41-SB07-50	6/20/2006	6/28/2006				None
C41-SB07-55	6/20/2006	6/28/2006				None
C41-SB08-0	6/20/2006	6/28/2006				None
C41-SB08-2	6/20/2006	6/28/2006				None
C41-SB08-5	6/20/2006	6/29/2006				None
C41-SB08-5MS	6/20/2006	6/29/2006				None
C41-SB08-5MSD	6/20/2006	6/29/2006				None
C41-SB08-10	6/20/2006	6/29/2006				None
C41-SB08-15	6/20/2006	6/30/2006				None
C41-SB08-20	6/20/2006	6/29/2006				None
C41-SB08-25	6/20/2006	6/29/2006				None
C41-SB08-30	6/20/2006	6/29/2006				None



Method: EPA Method 314.0 (Perchlorate)

Calibration Date	Column	Compound	Standard	(Y) Response	(X) Concentration	(X <sup>2</sup> ) Concentration
6/23/2006	primary	Perchlorate	Point 0	6433.6	0	0
			Point 1	34974.9	1	1
			Point 2	69214.28	2	4
			Point 3	114045.2	4	16
			Point 4	312241.38	10	100
			Point 5	726234.62	25	625
			Point 6	1463464	50	2500
			Point 7	3048371.2	100	10000

**Regression Output**

Constant	c	10848.378
Std Err of Y Est		
R Squared		0.999933
Degrees of Freedom		
X Coefficient(s)	a	b
Std Err of Coef.	27988.235	23.739
Correlation Coefficient		0.99997
Coefficient of Determination (r <sup>2</sup> )		0.99993

**METHOD: Perchlorate by IC (EPA method 314.0)**

The percent recoveries (%R) of the calibration standards were calculated for the analytes identified below using the following calculation:

$$\%R = (AF * 100)/AS$$

Where:

AF = Analyte Found

AS = Analyte Spiked

Type of Analysis	Analyte	Standard ID	Found (peak area)	Spiked (Amount)	Percent Recovery		Accept? (Y/N)	Limits
					Reported	Calc'd		
Calibration Verification Low Level PQL Std. 6/29/06 (9:54)	Perchlorate	ICCS	4.6842	4.0	NA	117	Y	75-125%
Calibration Verification 6/29/06 (8:28)	Perchlorate	IPC	24.5553	25.0	NA	98	Y	90-110%
Calibration Verification 6/29/06 (8:49)	Perchlorate	IPC-MA	25.3369	25.0	NA	101	Y	80-120%
Calibration Verification 6/29/06 (18:50)	Perchlorate	CCV	76.9279	75.0	NA	103	Y	85-115%
Calibration Verification 6/29/06 (23:10)	Perchlorate	CCV	26.4261	25.0	NA	106	Y	85-115%
Calibration Verification 6/30/06 (3:31)	Perchlorate	CCV	79.3229	75.0	NA	106	Y	85-115%

**METHOD: Perchlorate by IC (EPA method 314.0)**

The percent recoveries (%R) of the calibration standards were calculated for the analytes identified below using the following calculation:  
 $\%R = (AF * 100) / AS$

Where:

- AF = Analyte Found
- AS = Analyte Spiked

Type of Analysis	Analyte	Standard ID	Found (peak area)	Spiked (Amount)	Percent Recovery		Accept? (Y/N)	Limits
					Reported	Calc'd		
Calibration Verification Low Level PQL Std. 6/30/06 (13:54)	Perchlorate	ICCS	3.9224	4.0	NA	98	Y	75-125%
Calibration Verification 6/30/06 (13:56)	Perchlorate	IPC	25.6242	25.0	NA	102	Y	90-110%
Calibration Verification 6/30/06 (14:18)	Perchlorate	IPC-MA	26.7362	25.0	NA	107	Y	80-120%
Calibration Verification 6/30/06 (19:08)	Perchlorate	CCV	26.5273	25.0	NA	106	Y	85-115%
Calibration Verification 6/30/06 (23:28)	Perchlorate	CCV	77.2653	75.0	NA	103	Y	85-115%

**METHOD: Perchlorate by IC (EPA method 314.0)**

The percent recoveries (%R) relative percent differences (RPD) of the matrix spike and matrix spike duplicate were calculated for perchlorate below using the following calculation:

$$\% \text{Recovery} = 100 * (\text{SSC} - \text{SC}) / \text{SA}$$

Where: SSC = Spiked concentration  
 SA = Spike added  
 SC = Sample concentration

$$\text{RPD} = | \text{MS} - \text{MSD} | * 2 / (\text{MS} + \text{MSD})$$

MS = Matrix spike recovery  
 MSD = Matrix spike duplicate recovery

MS/MSD samples: C41-SB05-15MS & C41-SB05-15MSD

Compound	Spike Added (mg/kg)		Sample Concentration (mg/kg)	Spiked Sample Concentration (mg/kg)		MS		MSD			
	MS	MSD		MS	MSD	Percent Recovery Reported	Recalc.	Percent Recovery Reported	Recalc.		
Perchlorate	0.499	0.500	0.036	0.557	0.567	104	104	106	106	2	2

MS/MSD samples: C41-SB08-5MS & C41-SB08-5MSD

Compound	Spike Added (mg/kg)		Sample Concentration (mg/kg)	Spiked Sample Concentration (mg/kg)		MS		MSD			
	MS	MSD		MS	MSD	Percent Recovery Reported	Recalc.	Percent Recovery Reported	Recalc.		
Perchlorate	0.498	0.499	0.000	0.555	0.562	111	111	113	113	1	2

**METHOD: Perchlorate by IC (EPA method 314.0)**

The percent recoveries (%R) of the laboratory control sample were calculated for perchlorate below using the following calculation:

$$\% \text{Recovery} = 100 * (\text{SSC} - \text{SC}) / \text{SA}$$

Where: SSC = Spiked concentration    SC = Sample concentration  
 SA = Spike added

$$\text{RPD} = | \text{LFB} - \text{LFBBD} | * 2 / (\text{LFB} + \text{LFBBD})$$

LFB = Laboratory Fortified Blank  
 LFBBD = Laboratory Fortified Blank duplicate recovery

LFB sample: 6F27117-BS1

Compound	Spike Added (mg/kg)		Sample Concentration (mg/kg)	Spiked Sample Concentration (mg/kg)		LFB		LFBBD			
	LFB	LFBBD		LFB	LFBBD	Reported	Recalc.	Reported	Recalc.		
Perchlorate	0.500	NA	0	0.544	NA	109	109	NA	NA	NA	NA
										Reported	Recalc.

LFB sample: 6F28096-BS1

Compound	Spike Added (mg/kg)		Sample Concentration (mg/kg)	Spiked Sample Concentration (mg/kg)		LFB		LFBBD			
	LFB	LFBBD		LFB	LFBBD	Reported	Recalc.	Reported	Recalc.		
Perchlorate	0.500	NA	0	0.547	NA	109	109	NA	NA	NA	NA
										Reported	Recalc.

