



August 21, 2008

Analytical Report for Service Request No: K0806166

Tim Hammermeister  
 Science Application International Corporation (SAI)  
 18912 North Creek Parkway  
 Suite 101  
 Bothell, WA 98011

**RE: Fidalgo Bay Sediment Investigation/01-0236-00-1204-200**

Dear Tim:

Enclosed are the results of the samples submitted to our laboratory on September 06, 2007. For your reference, these analyses have been assigned our service request number K0806166.

All analyses were performed according to our laboratory's quality assurance program. Where applicable, the methods cited conform to the Methods Update Rule (effective 4/11/2007), which relates to the use of analytical methods for the drinking water and waste water programs. The test results meet requirements of the NELAC standards. Exceptions are noted in the case narrative report where applicable. All results are intended to be considered in their entirety, and Columbia Analytical Services, Inc. (CAS) is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report.

Please call if you have any questions. My extension is 3260. You may also contact me via Email at HJacky@caslab.com.

Respectfully submitted,

**Columbia Analytical Services, Inc.**

*for*  
 Harvey Jacky *HJ*  
 Project Chemist *08/21/08*

HJ/ll

Page 1 of 5188

## Acronyms

ASTM	American Society for Testing and Materials
A2LA	American Association for Laboratory Accreditation
CARB	California Air Resources Board
CAS Number	Chemical Abstract Service registry Number
CFC	Chlorofluorocarbon
CFU	Colony-Forming Unit
DEC	Department of Environmental Conservation
DEQ	Department of Environmental Quality
DHS	Department of Health Services
DOE	Department of Ecology
DOH	Department of Health
EPA	U. S. Environmental Protection Agency
ELAP	Environmental Laboratory Accreditation Program
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
LUFT	Leaking Underground Fuel Tank
M	Modified
MCL	Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA.
MDL	Method Detection Limit
MPN	Most Probable Number
MRL	Method Reporting Limit
NA	Not Applicable
NC	Not Calculated
NCASI	National Council of the Paper Industry for Air and Stream Improvement
ND	Not Detected
NIOSH	National Institute for Occupational Safety and Health
PQL	Practical Quantitation Limit
RCRA	Resource Conservation and Recovery Act
SIM	Selected Ion Monitoring
TPH	Total Petroleum Hydrocarbons
tr	Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL.

### **Inorganic Data Qualifiers**

- \* The result is an outlier. See case narrative.
- # The control limit criteria is not applicable. See case narrative.
- B The analyte was found in the associated method blank at a level that is significant relative to the sample result.
- E The result is an estimate amount because the value exceeded the instrument calibration range.
- J The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
- U The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
  - i The MRL/MDL has been elevated due to a matrix interference.
- X See case narrative.

### **Metals Data Qualifiers**

- # The control limit criteria is not applicable. See case narrative.
- B The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
- E The percent difference for the serial dilution was greater than 10%, indicating a possible matrix interference in the sample.
- M The duplicate injection precision was not met.
- N The Matrix Spike sample recovery is not within control limits. See case narrative.
- S The reported value was determined by the Method of Standard Additions (MSA).
- U The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
- W The post-digestion spike for furnace AA analysis is out of control limits, while sample absorbance is less than 50% of spike absorbance.
  - i The MRL/MDL has been elevated due to a matrix interference.
- X See case narrative.
- \* The duplicate analysis not within control limits. See case narrative.
- + The correlation coefficient for the MSA is less than 0.995.

### **Organic Data Qualifiers**

- \* The result is an outlier. See case narrative.
- # The control limit criteria is not applicable. See case narrative.
- A A tentatively identified compound, a suspected aldol-condensation product.
- B The analyte was found in the associated method blank at a level that is significant relative to the sample result.
- C The analyte was qualitatively confirmed using GC/MS techniques, pattern recognition, or by comparing to historical data.
- D The reported result is from a dilution.
- E The result is an estimate amount because the value exceeded the instrument calibration range.
- J The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
- N The result is presumptive. The analyte was tentatively identified, but a confirmation analysis was not performed.
- P The GC or HPLC confirmation criteria was exceeded. The relative percent difference is greater than 40% between the two analytical results (25% for CLP Pesticides).
- U The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
  - i The MRL/MDL has been elevated due to a chromatographic interference.
- X See case narrative.

### **Additional Petroleum Hydrocarbon Specific Qualifiers**

- F The chromatographic fingerprint of the sample matches the elution pattern of the calibration standard.
- L The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of lighter molecular weight constituents than the calibration standard.
- H The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of heavier molecular weight constituents than the calibration standard.
- O The chromatographic fingerprint of the sample resembles an oil, but does not match the calibration standard.
- Y The chromatographic fingerprint of the sample resembles a petroleum product eluting in approximately the correct carbon range, but the elution pattern does not match the calibration standard.
- Z The chromatographic fingerprint does not resemble a petroleum product.

**Columbia Analytical Services, Inc.**  
**Kelso, WA**  
**State Certifications, Accreditations, and Licenses**

<b>Program</b>	<b>Number</b>
Alaska DEC UST	UST-040
Arizona DHS	AZ0339
Arkansas - DEQ	88-0637
California DHS	2286
Colorado DPHE	-
Florida DOH	E87412
Hawaii DOH	-
Idaho DHW	-
Indiana DOH	C-WA-01
Louisiana DEQ	3016
Louisiana DHH	LA050010
Maine DHS	WA0035
Michigan DEQ	9949
Minnesota DOH	053-999-368
Montana DPHHS	CERT0047
Nevada DEP	WA35
New Jersey DEP	WA005
New Mexico ED	-
North Carolina DWQ	605
Oklahoma DEQ	9801
Oregon - DHS	WA200001
South Carolina DHEC	61002
Utah DOH	COLU
Washington DOE	C1203
Wisconsin DNR	998386840
Wyoming (EPA Region 8)	-



## **Case Narrative**

COLUMBIA ANALYTICAL SERVICES, INC.

**Client:** Science Application International Corporation      **Service Request No.:** K0806166  
**Project:** Fidalgo Bay Sediment Investigation / 01-0236-00-1204-200  
**Date Received:** 09/06-25/2007  
**Sample Matrix:** Sediment

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of Columbia Analytical Services, Inc. (CAS). This report contains analytical results for samples designated for Tier III validation deliverables including summary forms and all of the associated raw data for each of the analyses. When appropriate to the method, method blank results have been reported with each analytical test.

**Sample Receipt**

Twenty one sediment samples were received for analysis at Columbia Analytical Services during the period of 09/06-25/2007. The samples were under archive until analysis was requested. The samples were received in good condition and consistent with the accompanying chain of custody form. The samples were stored frozen at -20°C upon receipt at the laboratory.

**General Chemistry Parameters**

No anomalies associated with the analysis of these samples were observed.

**Total Metals**

**Relative Percent Difference Exceptions:**

The Relative Percent Difference (RPD) for the replicate analysis of Lead in sample FB-A1-14 was outside the normal CAS control limits. The variability in the results is attributed to the heterogeneous distribution of this analyte in the sample. Standard mixing techniques were used, but were not sufficient for complete homogenization of this sample.

No other anomalies associated with the analysis of these samples were observed

**Organochlorine Pesticides by EPA Method 8081A**

**Continuing Calibration Verification (CCV) Exceptions:**

The primary evaluation criterion was exceeded for a few analytes in CCV 0725F011, 0725F033, 0725F035, 0725F051, 0725F053, 0725F055, 0729F028, 0729F046, 0731FX04, 0731F007, 0731F028, and 0731F031. In accordance with CAS standard operating procedures, the alternative evaluation specified in the EPA method was performed using the average percent recovery of all analytes in the verification standard. The standard meets the alternative evaluation criteria.

Results for the following analytes: Endrin Aldehyde in the Matrix Spike, 4,4'-DDE in sample FBA2-30-S, alpha-Chlordane and 4,4'-DDE in Sample Reference Material (SRM) (KWG0806841-14), and 4,4'-DDT in sample FBA3-03-S and SRM (KWG0806851-14) have been reported from a column using average percent recovery of all analytes in the verification standard.



08/21/08

Approved by \_\_\_\_\_ Date \_\_\_\_\_

**Matrix Spike Recovery Exceptions:**

Insufficient sample volume was received to perform a Matrix Spike/Matrix Spike Duplicate (MS/MSD). A Laboratory Control Sample/Duplicate Laboratory Control Sample (LCS/DLCS) was analyzed and reported in lieu of the MS/MSD for these samples for applicable batches.

The control criteria for the matrix spike recoveries (in certain batches) of beta-BHC and Heptachllor Epoxide for sample FB-A1-09 and Endrin Aldehyde for sample FBA-22b-S were not applicable. The chromatogram indicates non-target matrix background components are contributing to the reported matrix spike concentrations. Thus, the reported recoveries contain a high bias. Based on the magnitude of background contribution, the interference appears to be minimal. Also note the Method Reporting Limit (MRL) for the associated unspiked sample is elevated above the background level.

**Sample Confirmation Notes:**

The confirmation comparison criterion of 40% difference for alpha-BHC was exceeded in sample FBA3-22b-S. The higher of the two values was reported when both peaks were within the expected retention time window for this analysis and Gaussian in shape or the lower of the two values was reported when there was an apparent interference on the alternate column that produced the higher value.

**Elevated Method Reporting Limits:**

The reporting and/or detection limit is elevated for a few analytes in most samples. The chromatogram indicated the presence of non-target background components. The matrix interference prevented adequate resolution of the target compounds at the reporting limit. The results are flagged to indicate the matrix interference.

The MDL is elevated for delta-BHC in Method Blank KWG0806851-13. The chromatogram indicated the presence of non-target background components, which were apparently introduced as laboratory artifacts. The contamination prevented adequate resolution of the target compounds at the MDL. Note the level of background was relatively low compared to the MDL, so the affect on the results was minimal. The results are flagged to indicate the problem.

No other anomalies associated with the analysis of these samples were observed

**PCB Aroclors by EPA Method 8082**

**Elevated Method Reporting Limits:**

The reporting limit is elevated for at least one Aroclor in most samples. The chromatogram indicated the presence of non-target background components. The matrix interference prevented adequate resolution of the target compounds at the reporting limit. The results are flagged to indicate the matrix interference.

No other anomalies associated with the analysis of these samples were observed

**Semivolatile Organic Compounds (Low Level Scan) by EPA Method 8270C**

**Lab Control Sample (LCS) Exceptions:**

The advisory criterion was exceeded for the following analyte in the replicate Laboratory Control Samples (LCS/DLCS) KWG0806733-1 and KWG0806733-2: Benzoic Acid. As per the CAS/Kelso Standard Operating Procedure (SOP) for this method, these compounds are not included in the subset of analytes used to control the analysis. The recovery information reported for these analytes is for advisory purposes only (i.e. to provide additional detail related to the performance of each individual compound). No further corrective action was required.

The advisory criterion was exceeded for the following analytes in the replicate Laboratory Control Samples (LCS/DLCS) KWG0806734-1 and KWG0806734-2: Benzoic Acid. As per the CAS/Kelso Standard Operating Procedure (SOP) for this method, these compounds are not included in the subset of analytes used to control the analysis. The recovery information reported for these analytes is for advisory purposes only (i.e. to provide additional detail related to the performance of each individual compound). No further corrective action was required.

Approved by \_\_\_\_\_ Date \_\_\_\_\_

 08/21/07

The advisory criterion was exceeded for analyte Benzo(g,h,i)perylene in Laboratory Control Sample (LCS) KWG0806734-1. As per the CAS/Kelso Standard Operating Procedure (SOP) for this method, these compounds are not included in the subset of analytes used to control the analysis. The recovery information reported for these analytes is for advisory purposes only (i.e. to provide additional detail related to the performance of each individual compound). No further corrective action was required.

**Relative Percent Difference Exceptions:**

The Relative Percent Difference (RPD) for analyte Benzo(g,h,i)perylene in the replicate Laboratory Control Sample (LCS) analyses (KWG0806734-1 and KWG0806734-2) was outside control criteria. The results were flagged to indicate the problem. No further corrective action was required.

**Sample Notes and Discussion**

A Matrix Spike/Matrix Spike Duplicate (MS/MSD) was not extracted with this sample batch. A Laboratory Control Sample/Duplicate Laboratory Control Sample (LCS/DLCS) was analyzed and reported in lieu of the MS/MSD for these samples.

No other anomalies associated with the analysis of these samples were observed

**Semivolatile Organic Compounds (SIM) by EPA Method 8270C SIM**

No anomalies associated with the analysis of these samples were observed

Approved by \_\_\_\_\_ Date \_\_\_\_\_



08/21/08

# **Chain of Custody Documentation**



Release Chain Of Custody

SHIP TO : Columbia Analytical Services

Telephone : 360-577-7222

Contact Person : Harvey Jacky

Project Chemist : Cynthia Tomey

Axys Contract No. : 4406

WG25792 (REQ3921)

Axys Analytical Services Ltd., 2045 Mills Road, Sidney, BC, Canada V8L 5X2 Tel.(250) 655-5800 Fax.(250) 655-5811

AXYS ID	CLIENT ID	MATRIX	QUANTITY
L11365-1	FBA4-03-S	Solid	1
L11365-2	FBA4-06-S	Solid	1
L11365-3	FBA4-08-S	Solid	1
L11365-4	FBA4-11-S	Solid	1
L11365-5	FBA3-18-S	Solid	1
L11365-6	FBA3-37-S	Solid	1
L11365-7	FBA3-42-S	Solid	1
L11365-8	FBA3-03-S	Solid	1
L11365-9	FBA3-06-S	Solid	1

No. Item(s):	Date Shipped:	Shipper's Name:	WAY Bill #:	Signature:
9	09 July-08	Bonnie Nassiuk	720216201122	B. Nassiuk

Relinquished by (Signature)	Received by (Signature)	Courier	Waybill No.
Date	Date	FedEx	
Time	Time		

Relinquished by (Signature)	Received by (Signature)	Sample Receipt
Date	Date	
Time	Time	

	Coolers		
	#1	#2	#3
Temp C			
Custody Seal #			
Seal Intact	Y/N		
Sample Tag	Y/N		

Notes :

**Cooler Receipt and Preservation Form**

PC HU

Client / Project: Axys Service Request K08

Received: 7/10/08 Opened: 7/10/08 By: KS

1. Samples were received via?  US Mail  Fed Ex  UPS  DHL  GH  GS  PDN  Courier  Hand Delivered
2. Samples were received in: (circle)  Cooler  Box  Envelope  Other  NA
3. Were custody seals on coolers?  NA  Y  N If yes, how many and where? \_\_\_\_\_  
 If present, were custody seals intact?  Y  N If present, were they signed and dated?  Y  N
4. Is shipper's air-bill filed? If not, record air-bill number: \_\_\_\_\_  NA  Y  N
5. Temperature of cooler(s) upon receipt (°C): 2.8C  
 Temperature Blank (°C): \_\_\_\_\_
6. If applicable, list Chain of Custody Numbers: \_\_\_\_\_
7. Were custody papers properly filled out (ink, signed, etc.)?  NA  Y  N
8. Packing material used.  Inserts  Baggies  Bubble Wrap  Gel Packs  Wet Ice  Sleeves  Other \_\_\_\_\_
9. Did all bottles arrive in good condition (unbroken)? *Indicate in the table below.*  NA  Y  N
10. Were all sample labels complete (i.e analysis, preservation, etc.)?  NA  Y  N
11. Did all sample labels and tags agree with custody papers? *Indicate in the table below*  NA  Y  N
12. Were appropriate bottles/containers and volumes received for the tests indicated?  NA  Y  N
13. Were the pH-preserved bottles tested\* received at the appropriate pH? *Indicate in the table below*  NA  Y  N
14. Were VOA vials and 1631 Mercury bottles received without headspace? *Indicate in the table below.*  NA  Y  N
15. Are CWA Microbiology samples received with >1/2 the 24hr. hold time remaining from collection?  NA  Y  N
16. Was C12/Res negative?  NA  Y  N

Sample ID on Bottle	Sample ID on COC	Sample ID on Bottle	Sample ID on COC

Sample ID	Bottle Count	Bottle Type	Out of Temp	Head-space	Broken	pH	Reagent	Volume added	Reagent Lot Number	Initials

*Does not include all pH preserved sample aliquots received. See sample receiving SOP (SMO-GEN).*  
 Additional Notes, Discrepancies, & Resolutions: \_\_\_\_\_

**Total Solids**

**COLUMBIA ANALYTICAL SERVICES, INC.**

Analytical Report

**Client:** Science Application International Corporation (SAIC)  
**Project:** Fidalgo Bay Sediment Investigation/01-0236-00-1204-200  
**Sample Matrix:** Sediment

**Service Request:** K0806166  
**Date Collected:** 8/30/07-9/20/2007  
**Date Received:** 09/06-09/25/07

Total Volatile Solids

Prep Method: NONE  
 Analysis Method: 160.4M  
 Test Notes:

Units: PERCENT  
 Basis: Dry

Sample Name	Lab Code	Dilution Factor	Date Analyzed	Result	Result Notes
FB-A1-14	K0806166-001	1	7/14/2008	4.78	
FB-A1-18	K0806166-002	1	7/14/2008	4.82	
FB-A1-09	K0806166-003	1	7/14/2008	4.37	
FBA2-30-S	K0806166-004	1	7/14/2008	5.22	
FBA2-40-S	K0806166-005	1	7/14/2008	3.74	
FBA2-56-S	K0806166-006	1	7/14/2008	2.64	
FBA3-36-S	K0806166-007	1	7/14/2008	3.87	
FBA3-37-S	K0806166-008	1	7/14/2008	8.46	
FBA3-42-S	K0806166-009	1	7/14/2008	6.26	
FBA4-03-S	K0806166-010	1	7/14/2008	2.51	
FBA4-06-S	K0806166-011	1	7/14/2008	5.06	
FBA4-08-S	K0806166-012	1	7/14/2008	4.37	
FBA4-11-S	K0806166-013	1	7/14/2008	3.51	
FBA4-14-S	K0806166-014	1	7/14/2008	2.46	
FBA3-22b-S	K0806166-015	1	7/14/2008	3.20	
FBA4-30-S	K0806166-016	1	7/14/2008	8.42	
FBA4-29-S	K0806166-017	1	7/14/2008	7.14	
FBA4-28-S	K0806166-018	1	7/14/2008	5.08	
FBA3-03-S	K0806166-019	1	7/14/2008	6.66	
FBA3-06-S	K0806166-020	1	7/14/2008	6.27	
FBA3-18-S	K0806166-021	1	7/14/2008	6.43	
Method Blank	K0806166-MB	1	7/14/2008	ND	

M Modified for analysis of soil.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

**Client:** Science Application International Corporation (SAIC)  
**Project:** Fidalgo Bay Sediment Investigation/01-0236-00-1204-200  
**Sample Matrix:** Sediment

**Service Request:** K0806166  
**Date Collected:** 9/20/2007  
**Date Received:** 9/25/2007  
**Date Extracted:** NA  
**Date Analyzed:** 7/14/2008

Duplicate Summary  
Inorganic Parameters

Sample Name: FB-A1-14  
Lab Code: K0806166-001DUP  
Test Notes:

Units: PERCENT  
Basis: Dry

Analyte	Prep Method	Analysis Method	Sample Result	Duplicate Sample Result	Average	Relative Percent Difference	Result Notes
Total Volatile Solids	NONE	160.4M	4.78	5.08	4.93	6	

M Modified for analysis of soil.

## Analytical Results

Client: Science Application International Corpor  
 Project: Fidalgo Bay Sediment/01-0236-00-1204-200  
 Sample Matrix: Sediment

Service Request: K0806166

## Total Solids

Prep Method: NONE  
 Analysis Method: 160.3M  
 Test Notes:

Units: PERCENT  
 Basis: Wet

Sample Name	Lab Code	Date Collected	Date Received	Date Analyzed	Result	Result Notes
FB-A1-14	K0806166-001	09/20/2007	09/25/2007	07/11/2008	50.5	
FB-A1-18	K0806166-002	09/20/2007	09/25/2007	07/11/2008	50.1	
FB-A1-09	K0806166-003	09/20/2007	09/25/2007	07/11/2008	53.7	
FBA2-30-S	K0806166-004	08/30/2007	09/06/2007	07/11/2008	50.9	
FBA2-40-S	K0806166-005	08/30/2007	09/06/2007	07/11/2008	57.8	
FBA2-56-S	K0806166-006	08/30/2007	09/06/2007	07/11/2008	66.9	
FBA3-36-S	K0806166-007	09/04/2007	09/06/2007	07/11/2008	58.0	
FBA3-37-S	K0806166-008	09/04/2007	09/06/2007	07/11/2008	48.3	
FBA3-42-S	K0806166-009	09/04/2007	09/06/2007	07/11/2008	60.7	
FBA4-03-S	K0806166-010	09/06/2007	09/12/2007	07/11/2008	73.8	
FBA4-06-S	K0806166-011	09/06/2007	09/12/2007	07/11/2008	74.1	
FBA4-08-S	K0806166-012	09/06/2007	09/12/2007	07/11/2008	77.6	
FBA4-11-S	K0806166-013	09/06/2007	09/12/2007	07/11/2008	77.2	
FBA4-14-S	K0806166-014	09/06/2007	09/12/2007	07/11/2008	79.1	
FBA3-22b-S	K0806166-015	09/05/2007	09/12/2007	07/11/2008	65.6	
FBA4-30-S	K0806166-016	09/05/2007	09/12/2007	07/11/2008	68.5	
FBA4-29-S	K0806166-017	09/05/2007	09/12/2007	07/11/2008	62.6	
FBA4-28-S	K0806166-018	09/05/2007	09/12/2007	07/11/2008	65.1	
FBA3-03-S	K0806166-019	09/04/2007	09/06/2007	07/11/2008	50.7	
FBA3-06-S	K0806166-020	09/04/2007	09/06/2007	07/11/2008	67.1	
FBA3-18-S	K0806166-021	09/05/2007	09/12/2007	07/11/2008	48.1	

QA/QC Report

Client: Science Application International Corpor  
 Project: Fidalgo Bay Sediment/01-0236-00-1204-200  
 Sample Matrix: Sediment

Service Request: K0806166  
 Date Collected: 09/20/2007  
 Date Received: 09/25/2007  
 Date Analyzed: 07/11/2008

Duplicate Sample Summary  
 Total Solids

Prep Method: NONE  
 Analysis Method: 160.3M  
 Test Notes:

Units: PERCENT  
 Basis: Wet

Sample Name	Lab Code	Sample Result	Duplicate Sample Result	Average	Relative Percent Difference	Result Notes
FB-A1-14	K0806166-001	50.5	50.6	50.6	<1	

QA/QC Report

Client: Science Application International Corpor  
 Project: Fidalgo Bay Sediment/01-0236-00-1204-200  
 Sample Matrix: Sediment

Service Request: K0806166  
 Date Collected: 09/06/2007  
 Date Received: 09/12/2007  
 Date Analyzed: 07/11/2008

Duplicate Sample Summary  
 Total Solids

Prep Method: NONE  
 Analysis Method: 160.3M  
 Test Notes:

Units: PERCENT  
 Basis: Wet

Sample Name	Lab Code	Sample Result	Duplicate Sample Result	Average	Relative Percent Difference	Result Notes
FBA4-06-S	K0806166-011	74.1	74.8	74.5	<1	

QA/QC Report

Client: Science Application International Corpor  
 Project: Fidalgo Bay Sediment/01-0236-00-1204-200  
 Sample Matrix: Sediment

Service Request: K0806166  
 Date Collected: 09/05/2007  
 Date Received: 09/12/2007  
 Date Analyzed: 07/11/2008

Duplicate Sample Summary  
 Total Solids

Prep Method: NONE  
 Analysis Method: 160.3M  
 Test Notes:

Units: PERCENT  
 Basis: Wet

Sample Name	Lab Code	Sample Result	Duplicate Sample Result	Average	Relative Percent Difference	Result Notes
FBA3-18-S	K0806166-021	48.1	48.5	48.3	<1	