

0088178

SAF-RC-040
300 Area D4 Waste Characterization
Sampling - Other Solid
FINAL DATA PACKAGE

COMPLETE COPY OF DATA PACKAGE TO:

No Distribution Required

KW 4/14/10
INITIAL/DATE

COMMENTS:

SDG D1009622

SAF-RC-040

Rad only

Chem only

Rad & Chem

Complete

Partial

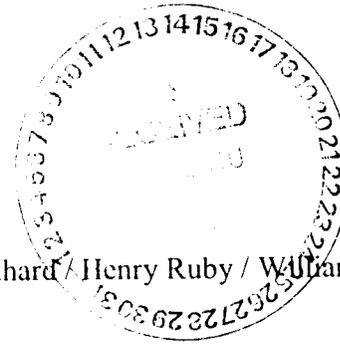
Sample Location/Waste Site: 338 Argon Tank

RECEIVED
MAY 07 2010
EDMC



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DataChem

Cover



Report Identification Number: D1009622
 Subcontract Number: S003827A00
 Name of Industrial Hygienist: Gwen Whatley / Debbie Gothard / Henry Ruby / William Brasker
 Laboratory Identification Number: DCHM
 SAF#: RC-041 / RD4MXX2F00
 Sample Receipt Date: 04/06/2010

Sample Information

Sample Date	Customer Sample Number	Laboratory Sample Number	Method	Analytical Batch Identification	Sample Matrix
03/31/2010	J19W09	1009622001	Unknowns by Microscopy	45325	Bulk

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Name: Peter P. Steen
 Title: Chemist
 Date: April 13, 2010



Case Narrative

Report Identification Number: D1009622
Subcontract Number: S003827A00
Name of Industrial Hygienist: Gwen Whatley / Debbie Gothard / Henry Ruby / William Brasker
Laboratory Identification Number: DCHM
SAF#: RC-067 / RD4MXX2F00
Sample Receipt Date: 04/06/2010

General Workorder Information: There is one sample in workorder 1009622 which was analyzed for perlite in bulk material. No problems were encountered with the receipt of this sample.

Method Summary: All samples were examined for homogeneity. Non-homogeneous samples were ground to ensure homogeneity. Distinct layers were analyzed separately. The samples were prepared and examined for perlite utilizing ALS Laboratory methodology. A polarizing light microscope equipped with a 10x and a 16x eyepiece was used for the analysis. The area percentage of perlite was estimated microscopically by visual estimation.

Sample Preparation: The sample was prepared by depositing a pinch-mount of material into 1.55 refractive index oil on a microscope slide.

Initial and Continuing Calibration Verification Analysis: N/A

Initial and Continuing Calibration Blank Analysis: N/A

Method Blank Analysis: N/A

Dilution(s): N/A

Laboratory Control Sample and Duplicate Analysis: N/A

Replicate Analysis: N/A

Flagging Codes: None

Nonconformance/Corrective Action Report (NC/CAR): N/A

Sample Calculation: Sample results are reported by a visual estimation of the area percentage of perlite.

Miscellaneous Comments:

1009622001: White, powdery/crunchy material. The sample was found to contain 90-<100% perlite.



Results

Report Identification Number: D1009622
 Subcontract Number: S003827A00
 Name of Industrial Hygienist: Gwen Whatley / Debbie Gothard / Henry Ruby / William Brasker
 Laboratory Identification Number: DCHM
 SAF#: RC-0~~01~~⁴⁰ / RD4MXX2F00
 Sample Receipt Date: 04/06/2010

Customer Sample Number	Laboratory Sample Number	Date Analyzed	Perlite %	
J19W09	1009622001	04/13/2010	90-<100	U
Required Detection Limit (RDL)				

U - Parameter not detected above LOD
 J - Parameter between LOD and RDL
 ** - Not provided or unable to calculate
 NA - Not Applicable



QC Summary

Report Identification Number: D1009622
 Subcontract Number: S003827A00
 Name of Industrial Hygienist: Gwen Whatley / Debbie Gothard / Henry Ruby / William Brasker
 Laboratory Identification Number: DCHM
 SAF: RC-001 / RD4MXX2F00
 Sample Receipt Date: 04/06/2010

Batch ID: 45325

QC Sample ID	QC Type	Analyte	Units	Result	Parent Result	Target	Percent Rec.	Relative Percent Diff.
None for Perlite								

- MB - Method Blank
- LCS - Laboratory Control Sample
- LCSD - Laboratory Control Sample Duplicate
- MS - Matrix Spike
- MSD - Matrix Spike Duplicate
- LD - Laboratory Duplicate

- NA - Not Applicable
- ND - Parameter not detected above LOD

$$\text{LCS, LCSD Percent Rec.} = (\text{Result} / \text{Target}) * 100.0$$

$$\text{MS, MSD Percent Rec.} = ((\text{Result} - \text{Parent}) / \text{Target}) * 100.0$$

$$\text{LCS, LCSD Relative Percent Diff.} = ((|\text{LCS} - \text{LCSD}|) / ((\text{LCS} + \text{LCSD})/2.0)) * 100.$$

$$\text{MS, MSD Relative Percent Diff.} = ((|\text{MS} - \text{MSD}|) / ((\text{MS} + \text{MSD})/2.0)) * 100.$$

$$\text{LD Relative Percent Diff.} = ((|\text{Parent} - \text{LD}|) / ((\text{Parent} + \text{LD})/2.0)) * 100$$



CHPRC PARTS AND TOOLS RETURN (PTR) FORM						
PROJECT HANFORD, 2355 STEVENS DR., RICHLAND, WA 99354						
REFERENCE BUSINESS PROCESS GUIDE - MATERIAL RETURNS						
Company <u>WCH</u> Date <u>04/05/10</u>			SECTION A - Material Information		PTR No.	
One of the following is REQUIRED:			Contract Specialist Name		01023	
PO/Release No. _____			D.A. <u>St. John</u>			
Contract/Rel. No. _____			Phone Number <u>509-375-9427</u>			
P-Card Log No. _____			Material Coordinator/P-Card Holder Name		Total Pieces	
Other _____			Phone Number _____		1	
Line Item No.	Quantity	U/M	Q Level	Description (Catalog ID No., S/N, Gov. Tag No.)/Include Reason for Return	Unit Price	Value
1	1	EA		COOLER# GWS-152 WEIGHT: 9 LBS. Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE order 5400.5 (1990/1993).		
SECTION B - Financial Transaction Information						
Passport Purchase Order Financial Transaction - Check One			Contract/P-Card/Other - No Financial Transaction Created from PTR			
<input type="radio"/> Credit - Return for Credit - PP Receipt Required			<input type="radio"/> Credit - Contract/P-Card		<input type="radio"/> Core Charge - Return for Credit of Deposit	
<input type="radio"/> Replace - Return for Replacement - PP Receipt Required			<input type="radio"/> Repair		<input type="radio"/> Replace	
<input type="radio"/> Inventory - Return to PHMC Inventory			<input type="radio"/> Ship Supplier Owned Materials, Containers, Samples, etc.		<input type="radio"/> Ship Waste/Material for Disposal	
<input type="radio"/> Return - QA-Non-NCR Material (Credit)			<input checked="" type="radio"/> *Ship Govt. Owned Materials, Containers, Samples, etc.		<input type="radio"/> Over Shipment	
*Requires identification of controlling Purchase Order, Contract, or PHMC Property Custodian accountable for the Govt. property in accordance with Regulations.			<input type="radio"/> OTHER			
SECTION C - Hazardous Material Information						
Hazardous Material <input type="radio"/> Yes* <input checked="" type="radio"/> No		*T&P Inspections (req'd) <input type="radio"/> Yes <input checked="" type="radio"/> No		Certified Free of Contamination <input type="radio"/> Yes <input checked="" type="radio"/> No		
Radioactive Material <input checked="" type="radio"/> Yes* <input type="radio"/> No		Include appropriate shipping document. Radioactive Material is also Hazardous.		Certifier's Name/Date		
Rad. Control Survey <input type="radio"/> Yes <input checked="" type="radio"/> No		Current Location of Material:			Date Available to Ship:	
Custodian: <u>D.D. WALL</u>					04/05/10	
Telephone: <u>509-373-7425</u>						
SECTION D - Vendor/Ship To Information						
Ship To: <u>ALS - Salt Lake City</u>				Contractor _____		
<u>960 West Levoy Dr.</u>				_____		
<u>Salt Lake City, UT 84123</u>				_____		
Contact: <u>Kevin Griffiths</u>				_____		
Contact Phone: <u>801-266-7700</u>				_____		
RA No.: _____				_____		
F.O.B.: _____				_____		
Item	% Cost	Cost Center	CACN	COA	SECTION E - Shipping Information - To be completed by Shipping Department	SECTION F - OSD&D/Shipping Notice Information - To be completed by Shipping/Procurement
					Routing <u>FEDEX AIR</u>	By <u>CR NELSON</u>
					B/L No. <u>7985 3818 0110</u>	Date Shipped <u>04/05/2010</u>
					B/L Wt. <u>9 LBS.</u>	OSD&D No. _____
					Frt. Collect <u>325159227</u>	Shipping Notice No. _____
					Acct. No. <u>RD4MXX2F00</u>	Receipt No. _____

A-6004-881 (REV 0)



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2010-04-06-1009622-03

From: Origin ID: PSCA (509) 376-7788
SHIPPING DEPT
FLUOR HANFORD
for the U.S. Dept. of Energy
2355 STEVENS DR BLDG 1162
RICHLAND, WA 99352



Ship Date: 05APR10
ActWgt: 9.0 LB
CAD: 5851988/INET 3010

Delivery Address Bar Code



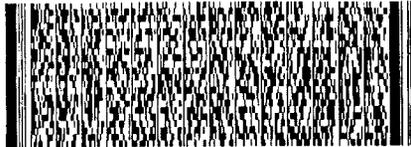
Ref # PTR01023
Invoice #
PO #
Dept #

SHIP TO: (801) 904-4302 BILL THIRD PARTY
KEVIN GRIFFITHS
ALS
960 LEVOY DR # A100066

SALT LAKE CITY, UT 84123

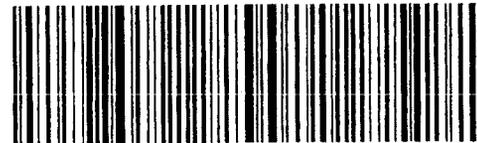
TRK# 7985 3818 0110
0201

TUE - 06 APR A1
PRIORITY OVERNIGHT



84123
UT-US
SLC

XH NPHA



After printing this label:

1. Use the 'Print' button on this page to print your label to your laser or inkjet printer.
2. Fold the printed page along the horizontal line.
3. Place label in shipping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.

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ALS DataChem
960 West Levoy Drive
Salt Lake City, Utah 84123-2547

Phone: (801) 266-7700
FAX: (801) 268-9992

Web Page: www.datachem.com
E-mail: lab@datachem.com