

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

COMPLETE COPY OF DATA PACKAGE TO:

Mike Stankovich

L1-01

KW 5/19/08
INITIAL/DATE

COMMENTS:

SDG 08I-0664-01

SAF-RC-040

Rad only

Chem only

Rad & Chem

Complete

Partial

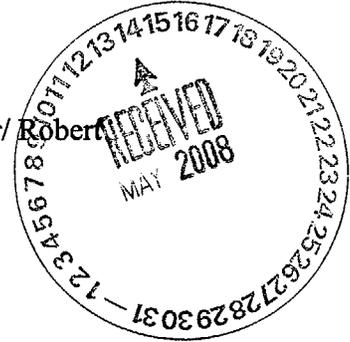
Sample Location/Waste Site: 384 Big Boiler Insulation – during demo

RECEIVED
JUN 11 2008

EDMC



Report Identification Number: 08I-0664-01
Subcontract Number: S003827A00
Name of Industrial Hygienist: Gwen Whatley / Ilene Strong / William Brasker / Robert Brounstein / Garrett Knutson / Brain Fauver
Laboratory Identification Number: DCHM
SAF#: RC-040 / A080150
Sample Receipt Date: 09-MAY-08



Sample Information

Sample Date	Customer Sample Number	Laboratory Sample Number	Method	Analytical Batch Identification	Sample Matrix
07 May 2008	J16VK1	08I03875	NIOSH 9002	G0848007	BULK

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Name: Peter P. Steen
Title: Chemist
Date: May 14, 2008



Case Narrative

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SAF#: RC-040 / A080150
Sample Receipt Date #: 09-MAY-08

General Set Information: There was one sample in set 08I-0664-01 which was analyzed for asbestos in bulk material. No problems were encountered with the receipt of these samples.

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 asbestos fibers utilizing the procedures outlined in NIOSH method 9002 (4th edition). A polarizing light microscope equipped with a 10x and a 16x eyepiece was used for the analysis. The area percentage of asbestos was estimated microscopically by a visual estimation of the fibers with a length-to-width aspect ratio of 3:1 or greater. If present, asbestos identities were confirmed with the appropriate refractive index oils applying dispersion staining techniques.

Sample Preparation: All samples were prepared in accordance with NIOSH method 9002 (4th edition).

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: One Laboratory Control Sample (LCS) was prepared and analyzed with the sample batch. The results were within the control limit of +/- one reporting range.

Replicate Analysis: One sample was replicated with this analysis run.

Flagging Codes: None

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



Case Narrative

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Sample Calculation: Sample results are reported by a visual estimation of the area percentage of asbestos. If necessary, a gravimetric ashing procedure may be used to remove certain non-asbestos material from the sample; a percentage calculation is used to correct for the removal of the non-asbestos material.

Miscellaneous Comments:

08I03875: White, powdery/fibrous pipe insulation.



Results

Report Identification Number: 08I-0664-01
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 Sample Receipt Date #: 09-MAY-08

Customer Sample Number	Laboratory Sample Number	Date Analyzed	Chrysotile % Asbestos	Amosite % Asbestos	Crocidolite % Asbestos
J16VK1	08I03875	14 May 2008	ND U	ND U	ND U
Limit of Detection (LOD)			<1	<1	<1
Required Detection Limit (RDL)					

Customer Sample Number	Laboratory Sample Number	Date Analyzed	Actinolite/Tremolite % Asbestos	Anthophyllite % Asbestos
J16VK1	08I03875	14 May 2008	ND U	ND U
Limit of Detection (LOD)			<1	<1
Required Detection Limit (RDL)				

U - Parameter not detected above LOD.
 J - Parameter between LOD and RDL.



QC Summary

Report Identification Number: 08I-0664-01
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 Laboratory Identification Number: DCHM
 SAF: RC-040 / A080150
 Sample Receipt Date #: 09-MAY-08

Batch ID: G0848007

QC Sample ID	QC Type	Analyte	Units	Result	Parent Result	Target	Percent Rec.	Relative Percent Diff.
QC 100115	Bulk	Amosite	%	ND		ND		
QC 100115	Bulk	Amosite	%	ND	ND	ND		
QC 100115	Bulk	Chrysotile	%	3		3		
QC 100115	Bulk	Chrysotile	%	5	3	3		

- 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

LCS, LCSD Percent Rec. = (Result / Target) * 100.0
 MS, MSD Percent Rec. = ((Result - Parent) / Target) * 100.0

LCS, LCSD Relative Percent Diff. = ((|LCS - LCSD|) / ((LCS + LCSD)/2.0)) * 100.
 MS, MSD Relative Percent Diff. = ((|MS - MSD|) / ((MS + MSD)/2.0)) * 100.
 LD Relative Percent Diff. = ((|Parent - LD|) / ((Parent + LD)/2.0)) * 100

