Libby Asbestos Superfund Site
The Former Export Plant and Surrounding Properties
Operable Unit 1
Lincoln County, Montana

Interim Post-Construction Human Health Risk Assessment

EPA Contract No. EP-S8-11-02

Task Order No.: 0005
EPA RPM: Dania Zinner

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Acronyms

%	percent
95UCL	95% upper confidence limit
ABS	activity-based sampling
Ago	area of grid opening
AHERA	Asbestos Hazard Emergency Response Act
ARP	Assessment and Remediation Division
ATS	American Thoracic Society
ATSDR	Agency for Toxic Substances and Disease Registry
CB&I	CB&I Federal Services, LLC
cc^{-1}	per cubic centimeter
CDM Smith	CDM Federal Programs Corporation
CH	chrysotile asbestos
CHISQ	Chi-square
COC	chain of custody
CSM	conceptual site model
CTE	central tendency exposure
DQA	data quality assessment
DQO	data quality objective
ED	exposure duration
EDD	electronic data deliverable
EDS	energy dispersive spectroscopy
EF	exposure frequency
EFA	effective area of the filter
EPA	U.S. Environmental Protection Agency
EPC	exposure point concentration
ERS	Environmental Resource Specialist
ET	exposure time
F	f-factor
FSDS	Field Sample Data Sheet
GO	grid opening
Grace	W.R. Grace
HHRA	human health risk assessment
HQ	hazard quotient
IC	institutional control
ICIAP	Institutional Control Implementation and Assurance Plan
ID	identification
IRIS	Integrated Risk Information System
ISO	International Organization of Standardization
IUR	inhalation unit risk
L	liters
L/min	liters per minute
LA	Libby Amphibole Asbestos

MCA	Montana Code Annotated
MDEQ	Montana Department of Environmental Quality
MDT	Montana Department of Transportation
mm^2	square millimeters
NAM	non-asbestos material
NAS	National Academy of Sciences
NCP	National Contingency Plan
NFG	National Functional Guidelines
NTP	National Toxicology Program
NVLAP	National Voluntary Laboratory Accreditation Program
OA	other amphibole-type asbestos
OSWER	Office of Solid Waste and Emergency Response
OU	Operable Unit
PCM	phase contrast microscopy
PCME	phase contrast microscopy-equivalent
QA	quality assurance
QAPP	quality assurance project plan
QATS	Quality Assurance Technical Support
QC	quality control
RBC	risk-based concentration
RfC	reference concentration
RME	reasonable maximum exposure
ROD	Record of Decision
ROW	right-of-way
s/cc	structures per cubic centimeter
SAED	selected area electron diffraction
SAP	sampling and analysis plan
Shaw	Shaw Environmental & Infrastructure Group
Site	Libby Asbestos Superfund Site
SOP	standard operating procedure
TEM	transmission electron microscopy
TWF	time-weighting factor
VWC	volumetric water content
WHO	World Health Organization

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Executive Summary

This document presents the interim human health risk assessment (HHRA) for exposures to asbestos under post-construction conditions at Operable Unit 1 (OU1) for the Libby Asbestos Superfund Site (Site). This HHRA summarizes the results of the 2013 post-construction outdoor air investigation at OU1 and clearance samples collected at the David S. Thompson Search and Rescue Facility and uses these data to estimate the residual exposure and risk from inhalation of asbestos. Final conclusions about the effectiveness of the selected remedy will be made once the Site-wide HHRA has been completed.

ES.1 Site Description

Libby is a community in northwestern Montana that is located near a former open-pit vermiculite mine. Vermiculite from this mine contains varying concentrations of a form of asbestos, referred to as Libby amphibole asbestos (LA). OU1 includes areas that were affected by contamination released from the former W.R. Grace Export Plant. OU1 is situated on the south side of the Kootenai River, just north of the downtown area of the City of Libby, Montana. OU1 includes the embankments of Montana Highway 37, the former Export Plant, and the former Riverside Park (**Figure ES-1**).

ES.2 Basis for Concern

Historical mining, milling, and processing operations, as well as bulk transfer of mining-related materials, tailings, and waste to locations throughout Libby Valley, are known to have resulted in releases of vermiculite and LA-containing wastes to the environment. Due primarily to a concern for risk of adverse effects in humans from inhalation exposure to LA, the U.S. Environmental Protection Agency (EPA) listed the Site on the National Priorities List in October 2002.

From the early 1960s to approximately 1990, OU1 was owned and used by Grace for stockpiling, staging, and distributing vermiculite and vermiculite concentrate to vermiculite processing areas and insulation distributors outside of Libby. It is also believed that during this time vermiculite materials were used to fill in low lying areas of OU1. Because of concerns for exposure of humans to asbestos at OU1, EPA has conducted extensive actions to remove the mine-related waste materials and contaminated soils at this OU.

Outdoor Air ABS Investigation

The purpose of the 2013 sampling investigation was to collect data to support a post-construction risk assessment to assist in the evaluation of effectiveness of the remedy. The sampling investigation included the collection of personal air samples under conditions simulated to mimic the types of activities and exposures that may occur at OU1. This type of sampling is referred to as "activity-based sampling" or ABS.

Under current site conditions, a range of different human receptors may be exposed to contaminants in OU1. Because not all possible scenarios can be evaluated, the ABS exposure scenarios were chosen to be representative of the soil-disturbing activities at OU1 performed by City workers that maintain the park. Two ABS scenarios were evaluated as part of this sampling investigation; both scenarios duplicated tasks City workers perform during routine maintenance of the Riverfront Park, including mowing the lawn areas and trimming weeds. It is anticipated that City workers will engage in soil

disturbance activities at a higher frequency and intensity than park visitors (i.e., a worker ABS activity scenario is expected to yield higher LA air concentrations than a park visitor ABS activity scenario).

A total of three mowing and weed trimming ABS events were performed in the summer of 2013; two in July and one in September. For the mowing ABS scenario, two actors wearing personal air monitors mowed the park area using walk-behind rotary mowers, mowing as much of the area as possible in two hours. One actor mowed the infield area and the other actor mowed areas other than the infield. LA was observed in one mowing ABS air sample; LA was not detected in any of the other mowing ABS air samples. For the weed trimming ABS scenario, an actor wearing a personal monitor operated a weed edger/trimmer (i.e., weed whacker) in areas inaccessible to a mower for one hour. No LA structures were observed in any air samples from the weed trimming ABS events.

A data adequacy evaluation of the data collected as part of the OU1 post-construction ABS investigation showed that results were of acceptable quality, and considered to be reliable and appropriate for their intended use.

David S. Thompson Search and Rescue Facility

In the fall of 2007, indoor ABS was conducted at the David S. Thompson Search and Rescue Facility in the meeting room areas and the garage. These data provided the basis of the risk assessment for the facility presented in the *OU1 Remedial Investigation Report* (EPA 2009). However, because extensive soil removal and remedial activities have been conducted at OU1 since 2007, these data may no longer be representative of current facility conditions.

At the request of the public, "clearance" samples were collected from the facility on July 19, 2012. Five clearance air field samples were collected, including one sample from the meeting room, one sample from the kitchen, and three samples from the garage. In accordance with the clearance criteria specified in the Site *Action Level and Clearance Criteria Technical Memorandum* (EPA 2003a), the clearance air samples were analyzed for asbestos by transmission electron microscopy (TEM) utilizing AHERA counting and recording rules. No asbestos structures were observed in any clearance air sample (each field sample achieved an analytical sensitivity of 0.009 cc^{-1}). However, the achieved analytical sensitivity for these samples was not adequate to support reliable risk calculations; therefore, these samples were submitted for supplemental analysis to improve the analytical sensitivity. LA structures were observed in all five supplemental analyses.

These clearance samples were collected after soil remediation activities were completed and provide measured data on LA concentrations in air under high-end exposure conditions. Results of the supplemental analysis are adequate to evaluate exposures to search and rescue workers/volunteers at the David S. Thompson Search and Rescue Facility.

Exposure Assessment

Residual contamination remains at varying depths in some areas of OU1. Institutional controls (ICs) have been developed to ensure the protectiveness of the remedy; therefore, potential exposure pathways associated with exposure to residual contamination at depth are considered incomplete and not evaluated in this HHRA. For OU1, exposure populations of primary interest are City workers that maintain the Riverfront Park and individuals that may recreate at the Park or along the Kootenai River banks within this frontage area. The principal exposure route of interest for both populations is inhalation of outdoor air during disturbances of potential source materials (e.g., asbestos-contaminated soil) (**Figure ES-2**). Because a worker ABS activity scenario is expected to yield higher LA air concentrations than a park visitor ABS activity scenario, the worker ABS results were

conservatively used to evaluate exposures to recreational visitors. Additionally, search and rescue workers/volunteers who spend time at the David S. Thompson Search and Rescue facility may be exposed to contamination in indoor air resulting from disturbance of dust generated from asbestos-contaminated soil tracked into the facility.

EPA has not established default parameters that are applicable to potential exposure scenarios in OU1. Therefore, for the purposes of this risk assessment, exposure parameters for City workers and recreational visitors were selected based mainly on professional judgment to represent reasonable maximum exposure values taking into consideration Site-specific considerations. Exposure assumptions used for search and rescue workers/volunteers were determined from a survey conducted in 2008 of 18 individuals who spend time at the facility (EPA 2009).

The exposure point concentration (EPC) utilized in the risk estimates for City workers was the sample mean for each ABS scenario. For the mowing scenario, the resulting EPC was 0.00044 phase contrast microscopy-equivalent (PCME) LA s/cc; this EPC was also used to evaluate exposures for recreational visitors. No LA structures were observed in any of the weed trimming ABS samples; therefore, EPC for this scenario area was zero. EPCs for the David S. Thompson Rescue facility were estimated from the results of the supplemental analysis of the clearance samples. Because volunteers may routinely access specific areas of the facility, EPCs were estimated separately for the office areas and the garage. The EPC for the office area (meeting room and kitchen) was (0.00033 PCME LA s/cc and the EPC for the garage was 0.00022 PCME LA s/cc.

Toxicity Assessment

Many epidemiological studies have reported increased mortality from cancer in workers exposed to asbestos, especially from lung cancer and mesothelioma. Based on these findings, and supported by extensive carcinogenicity data from animal studies, EPA has classified asbestos as a known human carcinogen and an inhalation unit risk value for asbestos is reported in EPA's Integrated Risk Information System (IRIS). Exposure to asbestos may induce several non-cancer affects in the lungs, heart, kidney, and immune system. However, at present, there is no inhalation reference concentration available in IRIS for the assessment of non-cancer risks from airborne asbestos exposure.

Risk Characterization

Table ES-1 presents the estimated cancer risk for all exposure scenarios. As shown, estimated cancer risks are within or below EPA's acceptable cancer risk range (1E-06 to 1E-04) for both City workers, and recreational visitors, and search and rescue workers/volunteers. These data show that exposures from post-construction exposures in OU1 are likely to be below a level of potential concern.

ICs will be used to minimize potential risks posed to people from LA remaining in subsurface soils and to ensure that the selected remedy is not damaged.

Uncertainty Assessment

Although EPA has used the best available science to evaluate potential risks from LA asbestos at OU1, there are number of sources of uncertainty in the risk calculations presented in this HHRA. Confidence in quantitative estimates of potential risks to humans may be limited due to uncertainties in the exposure and toxicity assessments. Most uncertainties are addressed by making assumptions or deriving estimates that are intentionally conservative, and that are more likely to overestimate than underestimate risks.

For the purposes of this HHRA, alternate risk estimates were calculated to address two key sources of uncertainty. First, EPA has recently proposed draft LA-specific toxicity values for estimating both cancer risks and non-cancer hazards. These toxicity values are currently being reviewed, but the draft values were utilized in uncertainty assessment to provide an estimate of potential risks based on the draft LA-specific toxicity values. Second, there is no EPA-approved method for calculating an upper-bound concentration for asbestos datasets where all samples in the dataset are non-detect (i.e., have a count of zero). The uncertainty assessment provided an estimate of potential risks based on a conservative estimate of the "upper-bound" concentration on the true mean. These alternate risk estimates showed that, even when risks were calculated based on the draft LA-specific toxicity values and using upper-bound concentrations, both cancer and non-cancer risk estimates are within or below EPA's acceptable risk range for cancer (1E-06 to 1E-04) and below thresholds for non-cancer (i.e., hazards are below one) (**Table ES-2**). Thus, uncertainties in the HHRA are not likely to alter risk conclusions with regard to potential LA exposures in OU1.

ES.3 Summary and Conclusions

Risks were assessed for City workers that maintain the Riverfront Park, for search and rescue workers/volunteers who spend time at the David S. Thompson Search and Rescue facility, and for recreational visitors who recreate at the recently redeveloped park at OU1. Based on the data collected from the 2013 outdoor ABS sampling investigation, it is concluded that risks from outdoor exposures at OU1 are below or within EPA's acceptable risk range, even when based on upper-bound exposure estimates and the draft LA-specific toxicity values. Clearance samples collected in the David S. Thompson Search and Rescue facility indicate that risks from exposure to indoor air in the facility are within or below EPA's acceptable risk range. The Site-wide HHRA for the Libby Asbestos Superfund Site will include risk calculations for OU1 that are based on the final LA-specific toxicity values. In addition, EPA will consider the total cumulative risks to individuals in the final risk management decision process for the Libby Site.

TABLE ES-1
ESTIMATED RISKS FROM EXPOSURES IN OU1

Exposure Scenario	Exposure Point Concentration (EPC) (PCME LA s/cc)	Cancer		
		TWF	IURa,d (PCM s/cc)$^{-1}$	Cancer Risk
City Workers[a]				
Mowing	0.00044	0.0089	0.075	3E-07
Weed Trimming	0	0.0015	0.075	0E+00
Workers/Volunteers in David S. Thompson Search and Rescue Facility[b]				
Office	0.00033	0.0537	0.095	2E-06
Garage	0.00022	0.0537	0.095	1E-06
Recreational Visitors[c]				
Recreating in the Park	0.00044	0.0228	0.208	2E-06

[a] Estimated risks for City Workers from mowing and weed trimming exposures in OU1
[b] Estimated risks for Search and Rescue Workers/Volunteers from indoor air exposures in OU1
[c] Estimated risks for recreational visitors at Park (e.g., picnicking, community celebrations, playing on lawn, etc.)

(s/cc)$^{-1}$ = risk per structures per cubic centimeter
IUR = inhalation unit risk
LA = Libby amphibole asbestos
PCM = phase contrast microscopy
PCME = phase contrast microscopy equivalent
s/cc = structures per cubic centimeter
RME = Reasonable maximum exposure
TWF = time-weighting factor

TABLE ES-2
ESTIMATED RISKS FROM EXPOSURES IN OU1
BASED ON UPPER-BOUND EPCS AND LA-SPECIFIC TOXICITY VALUES

Panel A: Based on LA-specific Toxicity Values

Scenario	Exposure Point Concentration (EPC) (PCME LA s/cc)	Cancer			Non-Cancer		
		$TWF_{LA,cancer}$	IUR_{LA} $(PCM\ s/cc)^{-1}$	Cancer Risk	$TWF_{LA,\ non\text{-}cancer}$	RfC_{LA} (PCM s/cc)	Non-Cancer HQ
City Workers, Outdoor Air							
Mowing	4.4E-04	0.003	0.17	2E-07	0.0037	0.00002	0.08
Weed Trimming	0	0.0005	0.17	0E+00	0.00062	0.00002	0
Search and Rescue Workers/Volunteers, Indoor Air							
Office	3.3E-04	0.0384	0.17	2E-06	0.045	0.00002	0.7
Garage	2.2E-04	0.0384	0.17	1E-06	0.045	0.00002	0.5
Recreational Visitors, Outdoor Air							
Recreating in the Park	4.4E-04	0.0163	0.17	1E-06	0.019	0.00002	0.4

Panel B: Based on Upperbound EPCs and LA-specific Toxicity Values

Scenario	Upper-Bound EPC (PCME LA s/cc)	Cancer			Non-Cancer		
		$TWF_{LA,\ cancer}$	IUR_{LA} $(PCM\ s/cc)^{-1}$	Cancer Risk	$TWF_{LA,\ non\text{-}cancer}$	RfC_{LA} (PCM s/cc)	Non-Cancer HQ
Weed Trimming	< 0.011	0.0005	0.17	< 1E-06	0.00062	0.00002	< 0.4

$(s/cc)^{-1}$ = risk per structures per cubic centimeter
EPC = exposure point concentration
HQ = hazard quotient
IUR = inhalation unit risk
LA = Libby amphibole asbestos
PCM = phase contrast microscopy
PCME = phase contrast microscopy equivalent
RfC = reference concentration
RME = Reasonable maximum exposure
s/cc = structures per cubic centimeter
TWF = time-weighting factor

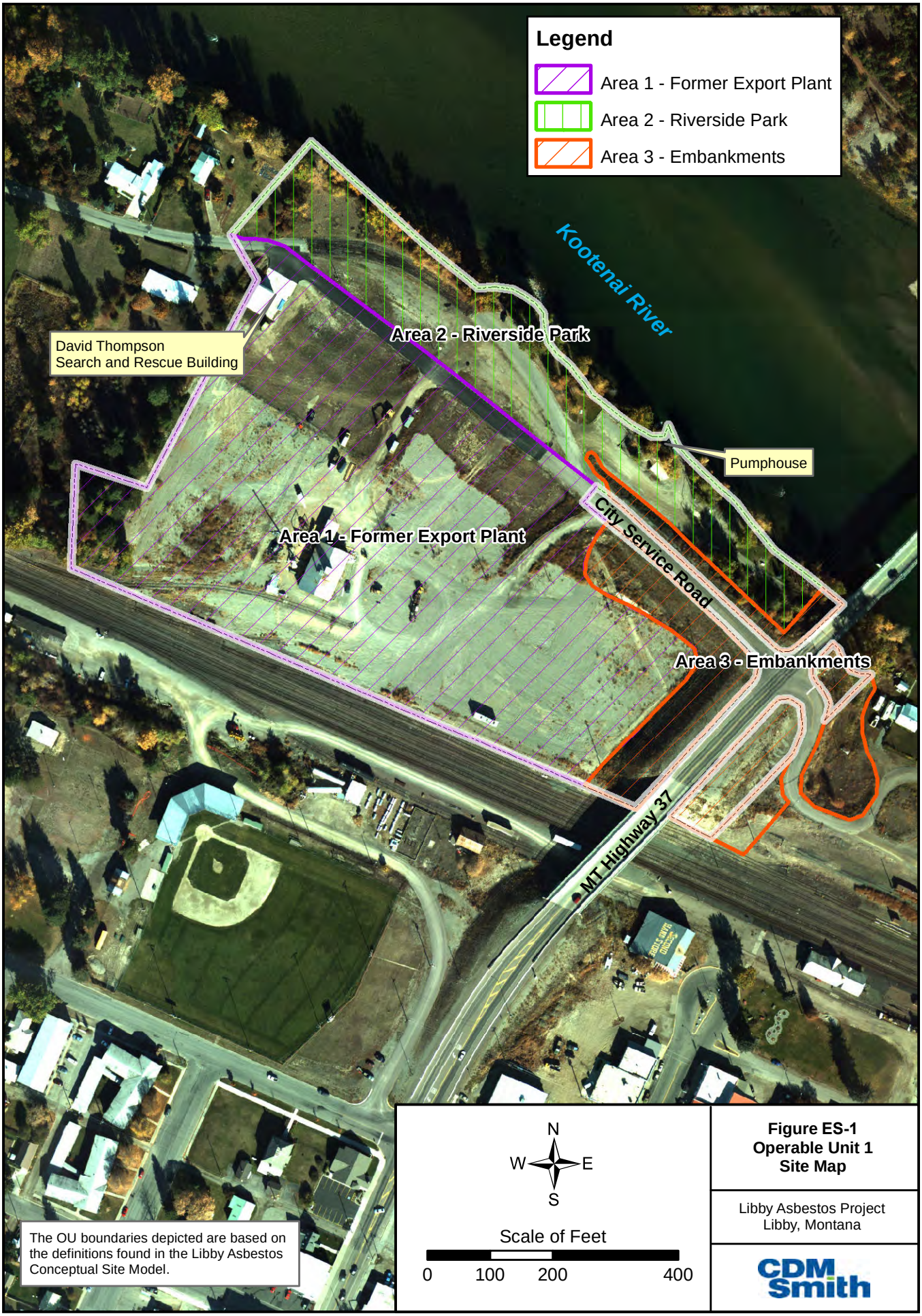
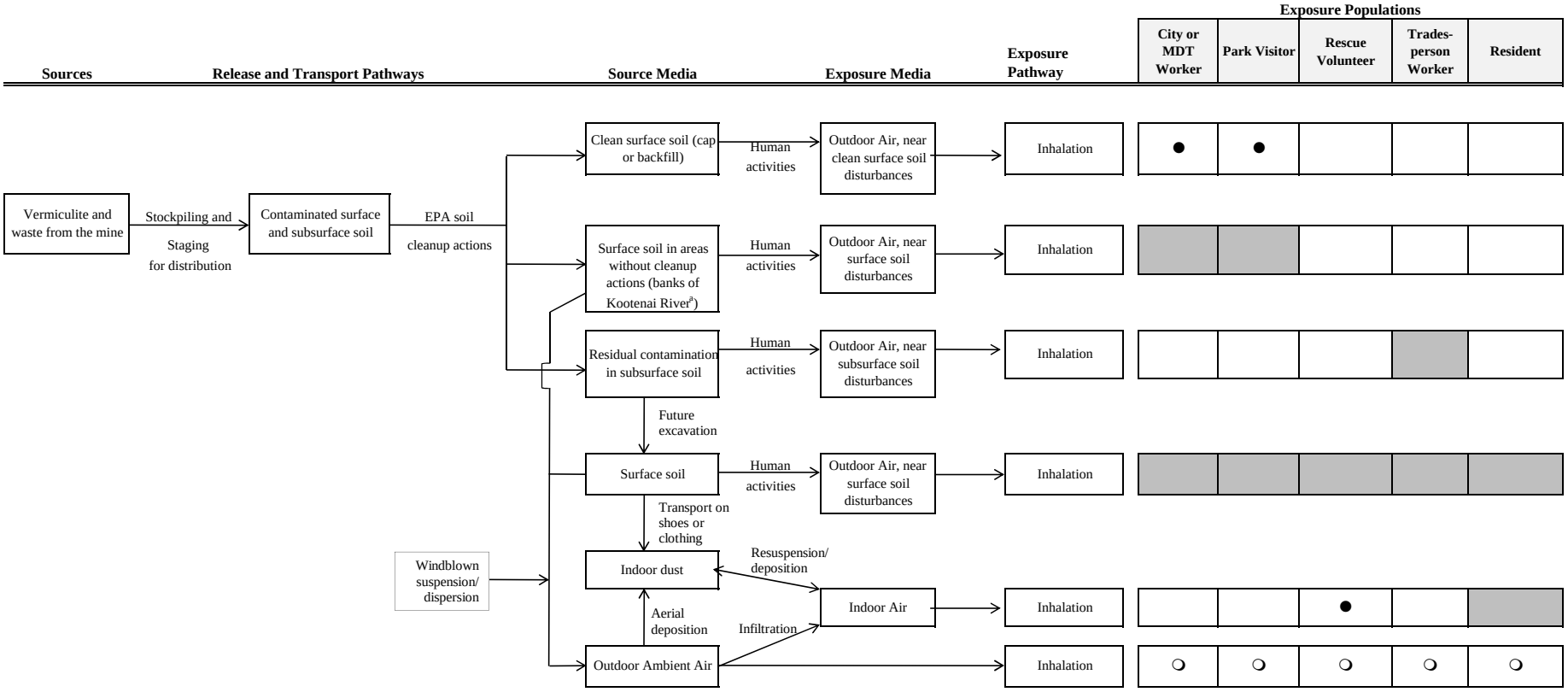


Figure ES-1
Operable Unit 1
Site Map

Libby Asbestos Project
Libby, Montana

CDM Smith

FIGURE ES-2
CONCEPTUAL SITE MODEL FOR CURRENT AND FUTURE INHALATION EXPOSURES TO ASBESTOS AT OU1
Libby Asbestos Superfund Site, Operable Unit 1



KEY:

●	Exposure pathway is complete and will be evaluated quantitatively in the interim HHRA.
	Exposure pathway could become complete (if excavation uncovers subsurface soils with residual contamination); not evaluated quantitatively in the interim HHRA.
❍	Exposure pathway may be complete, but expected to be minor; not evaluated quantitatively in the interim HHRA.
	Exposure pathway is not complete or negligible.

[a] The shoreline has been covered with rip-rap and significant damage to this cover would be necessary to bring covered materials to the surface

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Section 1

Introduction

1.1 Site Background

Libby is a community in northwestern Montana that is located near a former open-pit vermiculite mine. Vermiculite from this mine contains varying concentrations of a form of asbestos, referred to as Libby amphibole asbestos (LA). The mine began limited operations in the 1920s and was operated on a larger scale by the W.R. Grace Company (Grace) from approximately 1963 to 1990. Historical mining, milling, and processing operations, as well as bulk transfer of mining-related materials, tailings, and waste to locations throughout Libby Valley, are known to have resulted in releases of vermiculite and LA-containing wastes to the environment.

Epidemiological studies revealed that workers at the mine had an increased risk of developing asbestos-related lung disease (McDonald *et al.* 1986, 2004; Amandus and Wheeler 1987; Amandus *et al.* 1987; Whitehouse 2004; Sullivan 2007). Additionally, radiographic abnormalities were observed in17.8 percent (%) of the general population of Libby, including former workers, family members of workers, and individuals with no specific pathway of exposure (Peipins *et al.* 2003; Whitehouse *et al.* 2008; Antao *et al.* 2012; Larson *et al.* 2010, 2012a, 2012b). Although the mine has ceased operations, historical or continuing releases of LA from mine-related materials could be serving as a source of ongoing exposure and risk to current and future residents and workers in the area. The Libby Asbestos Superfund Site (Site) was listed on the U.S. Environmental Protection Agency (EPA) National Priorities List in October 2002.

For long-term management purposes, the Site has been divided into eight operable units (OUs) (**Figure 1-1**). Operable Unit 1 (OU1) includes areas that were affected by contamination released from the former Grace Export Plant. The former Export Plant is situated on the south side of the Kootenai River, just north of the downtown area of the City of Libby, Montana. OU1 includes the embankments of Montana Highway 37, the former Export Plant, and the former Riverside Park. The property is bounded by the Kootenai River on the north, Highway 37 on the east, the Burlington Northern Santa Fe (BNSF) railroad thoroughfare on the south, and State of Montana property on the west (**Figure 1-2**).

From the early 1960s to approximately 1990, OU1 was owned and used by Grace for stockpiling, staging, and distributing vermiculite and vermiculite concentrate to vermiculite processing areas and insulation distributors outside of Libby. It is also believed that during this time vermiculite materials were used to fill in low lying areas of OU1. Ownership was transferred to the City of Libby in the mid-1990s. Throughout its history, portions of OU1 were leased to various parties for both commercial (e.g., lumberyard, metal scrap dealer, and a larch gum manufacturer) and non-commercial enterprises (e.g., baseball fields).

Because of concerns for exposure of humans to contamination in OU1, EPA has taken extensive actions to remove the mine-related waste materials and contaminated soils at OU1. All historical Export Plant buildings were removed between October 2002 and October 2003. Exposure to the residual contamination has largely been mitigated by removal of surface soils and the extensive cap placed

across OU1 during the 2011 and 2012 removal activities (EPA 2013a). Soil removal actions in 2011 and 2012 were performed as part of the redevelopment and grading for the Riverfront Park. Grades were determined based on a minimum cover of 18 inches of import soil over native soils containing less than 1% LA. An additional 18 inches of soil was excavated for areas where LA concentrations were greater than or equal to 1%. As a result of soil removal and redevelopment actions no residual LA contamination remains at the surface. Surface soil in this context is defined as soil to which a receptor may have contact with or disturb during normal or routine activities at the site, excluding digging or excavation activities. In the areas with residual contamination at depth, the in-place cover is sufficient to break the exposure pathway. The photograph shown in **Figure 1-3** provides an indication of the extent of grading for development of the park.

Excavation was also performed near the David Thompson Search and Rescue parking area. In addition, soil was removed along the embankment (Area 3). In 2012, the deteriorated revetment along the shoreline of the Kootenai River at OU1 was replaced. Rip-rap placement included rocks submerged to establish the toe of the slope within the river bottom and continued upslope to the top of the embankment. A new boat ramp was constructed on a cement pad and the surrounding area was covered with rip-rap. **Figure 1-4** shows one stage in the remedial actions performed along the shoreline of OU1.

EPA's detailed investigation and evaluation of conditions at OU1 included a remedial investigation/feasibility study (RI/FS) in 2009 and the completion of numerous removal actions to address significant human health risks during completion of the RI and FS. Details of investigation and remediation activities conducted at the OU1 are provided in the *Final OU1 RI Report* (EPA 2009), the *OU1 Record of Decision (ROD)* (EPA 2010), and the *Final Remedial Action Report* (EPA 2013a).

The ROD for OU1 was issued in May 2010. As described above, the selected remedy was a removal (excavation and disposal) and containment remedy (using soil covers). Because there are no established quantitative, risk-based cleanup levels for asbestos, EPA removed and/or capped all visible vermiculite and any detectable LA to reduce future potential LA exposures. Exceptions included those circumstances where vermiculite was otherwise well-contained. For example, soil and sediment is contained by riprap with clean fill placed in interstitial spaces in some areas of OU1 (e.g., near the boat ramp).

One of the main concerns at OU1 is the presence of residual vermiculite in subsurface soil. Residual contamination remains at varying depths in some areas of OU1. The location of residual contamination at depth below the engineered covers at OU1 is shown in **Figure 1-5**. For most of the site "engineered" covers consist of soil covers and vegetation, and, in some cases, placement of rip-rap and/or erosion control matting. Generally, an orange construction barrier was placed in areas with residual contamination remaining at depth. The *Final OU1 RI* (EPA 2009) indicated that buried vermiculite at OU1 could serve as a potential source of release and re-contamination of surface soils with LA under circumstances in which subsurface soils might become exposed. This could result from natural weathering and erosion processes, people digging in the dirt, as well as a range of potential future construction activities that involve soil excavation or earthwork. However, institutional controls (ICs) for OU1 restrict these types of activities. Long-term operation and maintenance (O&M) and five-year reviews will be conducted indefinitely throughout the life of the OU1 site because LA contamination remains at OU1 at levels that do not allow for unrestricted use and unlimited exposure. O&M will be performed by the Montana Department of Environmental Quality (MDEQ) to maintain the integrity of the remedy components and five-year reviews will be conducted by the EPA.

1.2 Site Description

OU1 covers roughly 17 acres and is divided into three areas (Area 1 - Former Export Plant, Area 2 - Riverside Park, and Area 3 - Embankments) (see **Figure 1-2**) based on former land use. Details of investigation and remediation activities conducted at each OU1 area are provided in the *Final OU1 RI Report* (EPA 2009), the *OU1 ROD* (EPA 2010) and the *Final Remedial Action Report* (EPA 2013a). Access to all areas is unrestricted. Each area is described briefly below.

1.2.1 Former Export Plant, Area 1

Area 1, the former Export Plant, is approximately 12 acres in size and is currently owned by the City of Libby. The area is a landscaped park with paved access and parking, with the exception of a small area used by David S. Thompson Search and Rescue. In 2004, the search and rescue organization constructed a building containing an office and a five-bay garage on the northwest portion of OU1 on the south side of City Service Road. The garage is used for storing search and rescue equipment and vehicles. Several other agencies, including local and state law enforcement, also hold meetings in the main office.

1.2.2 Former Riverside Park, Area 2

Area 2, the former Riverside Park, is approximately 4.7 acres in size. It is also owned by the City of Libby and was combined with Area 1 to create the Riverfront Park serving a variety of recreational visitors. The main features of the park include two boat ramps, a pavilion with surrounding lawn areas, picnic tables, and a pumphouse. The newer of the two boat ramps is used by recreational boaters and commercial fishing outfitters; the older ramp is not commonly used due to the swift current at its approach. The pumphouse contains a pump that draws non-potable water from the Kootenai River. The pump was installed jointly by the City of Libby and Lincoln County in 1999 to provide a backup water source to local fire departments. The pumphouse is accessed by City personnel in order to perform maintenance on the pump. The pump is connected to an external water spigot, which is used by the City to draw water for street sweeping and other maintenance operations, and other workers (such as employees of local fill pits) to draw water primarily for use in dust suppression equipment.

1.2.3 Embankments, Area 3

Area 3, the embankments, is less than 1 acre in size and is owned and maintained by the Montana Department of Transportation (MDT). MDT currently performs only periodic maintenance of these embankments as needed. The types of maintenance activities conducted by MDT include application of herbicides, replacement of guardrails and guardrail posts, and replacement and maintenance of roadside light posts.

1.2.4 Future Land Use at OU1

Future use of Area 1 and Area 2 is expected to continue as a public park. The City expects that David S. Thompson Search and Rescue will continue to utilize the northwest portion of OU1. It is also anticipated that Area 3 will not change use and will remain undeveloped and owned and maintained by MDT.

1.3 Purpose of This Document

This HHRA presents an interim evaluation of potential human health risks in OU1; the final risk assessment for OU1 will be included in the Site-wide HHRA. This document summarizes the results of the 2013 post-construction outdoor air investigation at OU1, and uses these data to estimate the residual exposure and risk from inhalation of LA. Specifically, these results are used to evaluate potential exposures to City workers and recreational visitors at the Riverfront Park. In addition, indoor air results for samples collected in 2012 at the David S. Thompson Search and Rescue facility are used to evaluate potential exposure to search and rescue workers and volunteers that use this facility. These findings will be used by EPA to determine whether additional actions are needed at OU1 to ensure remedy protectiveness from potential LA exposure.

1.4 Document Organization

In addition to this introduction, this report is organized as follows:

- **Section 2** - The section presents a summary of the 2013 post-construction investigation of outdoor air and the clearance samples collected at the David S. Thompson Search and Rescue facility.
- **Section 3** - The section presents results of the data quality assessment, including a summary of program audits, modifications, data verification efforts, evaluation of quality control (QC) samples, and overall data adequacy.
- **Section 4** - The section presents a post-construction risk assessment for OU1.
- **Section 5** - The section provides full citations for all analytical methods, site-related documents, and scientific publications referenced in this document.

All referenced tables and figures are provided at the end of this document. Appendices are included. Appendix B, the OU1 database, is provided electronically.

Section 2

Investigation Summary

Because the construction of the remedial action at OU1 has been completed, the purpose of the 2013 sampling investigation was to collect data to support a post-construction risk assessment to assist in the evaluation of effectiveness of the remedy. Data were collected to evaluate potential exposures to City workers that mow and maintain the Riverfront Park. Individuals may be exposed to LA that is released to air during activities in these areas. These inhalation exposures may pose a risk of cancer and non-cancer effects.

The sampling investigation included the collection of personal air samples under conditions simulated to mimic the types of activities and exposures that may occur in OU1. This type of sampling is referred to as "activity-based sampling", or ABS. These ABS air samples were analyzed for asbestos to provide measured data on LA concentrations in ABS air.

Detailed information on the outdoor air study design and investigation-specific data quality objectives (DQOs) are provided in the *Sampling and Analysis Plan/Quality Assurance Project Plan (SAP/QAPP) 2013 Post-Construction Activity-Based Sampling for OU1* (EPA 2013b). An overview of the study design, sampling and analysis methods, data reduction methods, and results for this investigation are discussed below.

The outdoor ABS study conducted in 2013 did not evaluate indoor exposures to workers or volunteers at the David S. Thompson Search and Rescue facility. However, a potential source of asbestos contamination in indoor dust is asbestos in outdoor soil, and because soil remediation activities have been conducted at OU1 after the construction of the facility in 2004, a potential exists for LA contaminated soil to have been tracked into the facility. In addition, Search & Rescue volunteers routinely go into areas (e.g., forest areas around Libby) where LA contamination may be present and could subsequently track contamination from these source areas into the facility. Available data for the David S. Thompson Search and Rescue facility are also discussed below.

2.1 Outdoor Air ABS Investigation Summary

2.1.1 Outdoor Activity Scenarios and Sampling Locations

Two ABS scenarios representative of activities that may take place in OU1 were evaluated as part of this sampling investigation. Both scenarios duplicate tasks City workers perform during routine maintenance of the Riverfront Park and are characteristic of source (soil) disturbance activities engaged in by individuals in OU1. It is anticipated that City workers will engage in soil disturbance activities at a higher frequency and intensity than park visitors (i.e., a worker activities are expected to yield higher LA air concentrations than a park visitor activities and result in a higher potential exposure); therefore, the evaluation of workers is considered conservative.

Different areas of the park require different types of lawn maintenance equipment. Because some equipment may create more soil disturbance than other types of equipment (e.g., mower vs. weed whacker), ABS scenarios considered the various equipment that may be used in maintaining various areas in the park. Scenario 1 was conducted to determine possible exposures to City workers that

mow areas of the Riverfront Park. Scenario 2 was conducted to evaluate possible exposure levels to City workers that trim weeds using weed whackers. ABS scenarios are described in more detail below.

Mowing

The SAP/QAPP (EPA 2013b) provides a detailed description of the ABS script for the mowing ABS scenario (Scenario 1). In brief, an actor (EPA contractor) wearing a personal air monitor mowed grassy areas of the Riverfront Park using a walk-behind rotary mower. The type of mowing equipment used for the ABS could be different from the commercial riding mowers used by City workers, but due to the lack of available equipment this alternate mowing scenario was used. Using a walk-behind mower is considered to be a more conservative ABS activity than using a riding mower. This conclusion is based on visual observations of mowing activities with different types of mowers, where walk-behind mowers appear to have a higher potential for dust generation than the riding mowers. In addition, the operator of a walk-behind mower has a higher potential for exposure due to a nearer proximity to the ground surface, thus it is expected that resulting ABS air concentrations would be representative of the high-end of potential exposures, but this is not known with certainty.

During the mowing activity, two operators operated gas-powered walk-behind mowers. One actor mowed the infield area for a total of two hours. The other actor mowed areas other than the infield for one hour and then switched to the weed trimming scenario described below. During the three ABS mowing events, as much of the park area as possible was sampled, including the infield, near the pavilions, and near the edges of the parking lots. Areas where ABS activities were conducted are shown **Figure 2-1**.

Weed Trimming

The SAP/QAPP (EPA 2013b) provides a detailed description of the ABS script for lawn edging/weed trimming ABS scenario (Scenario 2). For the lawn edging/weed trimming ABS scenario an actor wearing a personal monitor operated a weed edger/trimmer (i.e., weed whacker) in areas inaccessible to a mower for one hour. The one-hour sampling event was completed in three 20-minute intervals with a break period separating each sampling interval. A total of three weed trimming ABS events were performed.

2.1.2 Air Sample Collection and Analysis

2.1.2.1 Outdoor ABS Air Sampling

A total of three ABS events were performed in 2013; ABS events were conducted on: July 9th, July 23rd, and September 12th. Outdoor ABS air samples were collected, handled, and documented in general accordance with Site-specific standard operating procedure (SOP) EPA-LIBBY-2012-10, *Sampling of Asbestos Fibers in Air*. Because release of LA from soil to air is suspected to be diminished in cases where the soil moisture is high, a field evaluation of soil moisture content was performed prior to all ABS events (see Section 2.1.3.2). If the mean soil volumetric water content (VWC) was greater than 50%, if rainfall in the past 36 hours exceeded ¼ inch, or if site conditions were windy, ABS was not performed.

During each ABS event, two replicate ABS air samples were collected – one with a high volume pump and one with a low volume pump. The appropriate flow rate for each sampling pump was optimized to achieve the highest sample air volume possible without causing the filter to become overloaded. The high volume pump flow rate was specified in SAP/QAPP to be 5.5 liters per minute (L/min) and the low volume pump flow rate was 2.0 L/min. However, because pumps were failing at the high volume flow rate, the flow rate was adjusted to 5.0 L/min. Only one of the two air filters for each ABS sample,

either the high volume or the low volume, was analyzed by transmission electron microscopy (TEM). Thus, a total of 18 air filters were generated (total = four filters for actors operating walk-behind mowers, two filters for the actor operating the weed whacker, for each of the three events), nine of which were analyzed and the other filters were archived. For the mowing ABS scenario (Scenario 1), the target analytical sensitivity (TAS) for the TEM analysis was 0.003 per cubic centimeter $(cc)^{-1}$ and for the weed trimming scenario (Scenario 2) the TAS was 0.018 cc^{-1}.

2.1.2.2 Sample Documentation, Handling, and Custody Methods

All ABS air samples collected were identified with sample identification (ID) numbers that included an investigation-specific prefix of "RP" (e.g., RP-00001) to designate that these samples were collected as part of the Riverfront Park ABS investigation. Data on the sample type, location, collection method, and collection date of all samples were recorded both in a field logbook maintained by the field sampling team and on a field sample data sheet (FSDS) designed to facilitate data entry into the Libby Scribe project database (see Section 2.1.2.6). All samples collected in the field were maintained under chain-of-custody (COC) during sample handling, preparation, shipment, and analysis. Field documentation is provided in **Appendix A**.

2.1.2.3 Analytical Methods

ABS air filters were prepared for analysis by TEM in accordance with the direct preparation method provided in International Organization for Standardization (ISO) method 10312:1995(E) (ISO 1995). As noted above, two filters were collected for each ABS actor during each sampling event – a high volume filter and a low volume filter. In all cases, the high volume filter was analyzed and the low volume filter was archived.

Air samples were analyzed by TEM in basic accordance with the counting and recording rules specified in ISO 10312:1995(E) (ISO 1995), and the investigation-specific counting rule modifications specified in the SAP/QAPP (EPA 2013b). In brief, the analyst examined grid openings under low magnification (5,000x), recording all structures that meet phase contrast microscopy-equivalent (PCME) counting rules (see below). In the phase contrast microscopy (PCM) method (NIOSH 7400), a fiber is counted if it has a length of 5 micrometers (µm) or longer and an aspect ratio (length:width) of at least 3:1. Although there is no thickness rule specified in the PCM method, particles thinner than about 0.25 µm are not usually detectable by PCM. Hence, the TEM counting rules[1] for PCME are: length > 5 µm, width ≥ 0.25 µm, aspect ratio ≥ 3:1.

The analyst recorded the size (length, width) and mineral type of each individual asbestos structure that is observed. The mineral type of each asbestos structure was determined by selected area electron diffraction (SAED) and energy dispersive spectroscopy (EDS), and each structure was assigned to one of the following four categories – LA, other amphibole-type asbestos (OA), chrysotile (CH), or non-asbestos material (NAM). Attributes for all countable structures (including non-LA asbestos types) were recorded on the laboratory bench sheets and the electronic results spreadsheets.

[1] Note that the PCME counting rule for width does not include an upper width cut-off of 3 µm, per EPA (2008), because particles wider than 3 µm are counted by PCM NIOSH 7400. Thus, to ensure comparability between the exposure concentrations and the toxicity values, no upper width restriction is applied.

Examination of TEM grid openings continued until one of the analysis stopping rules was achieved. The analytic stopping rules for the TEM analysis were specified in the SAP/QAPP (EPA 2013b). In all cases, the air samples achieved the TAS or better.

2.1.2.4 Analytical Results

The concentration of asbestos in air in a given sample is given by:

$$\text{Air Concentration (s/cc)} = N \cdot S$$

where:

N	=	Number of asbestos structures observed in the sample
S	=	Sensitivity (cc^{-1}) for the sample

For air, the sensitivity is calculated as:

$$S = \frac{EFA}{GO \cdot Ago \cdot V \cdot 1000 \cdot F}$$

where:

S	=	Sensitivity (cc^{-1})
EFA	=	Effective area of the filter (mm^2)
GO	=	Number of grid openings examined
Ago	=	Area of a grid opening (mm^2)
V	=	Volume of air passed through the filter (L)
1000	=	Conversion factor (cc/L)
F	=	Fraction of primary filter deposited on secondary filter (indirect preparation only; equal to 1 for directly prepared filters)

For the purposes of estimating potential human health risks (see Section 4), the concentration of asbestos in air must be expressed in units of PCM fibers per cubic centimeter of air (f/cc). This is because the current risk models for estimation of risks from inhalation exposure to asbestos (EPA 2008) is based on cumulative exposure expressed as PCM f/cc-yrs. Therefore, in this report, ABS air concentrations are reported as PCME LA structures per cubic centimeter (s/cc).

2.1.2.5 Results Reporting

Standardized data entry spreadsheets (electronic data deliverables, or EDDs) have been developed specifically for the Libby project to ensure consistency between laboratories in the presentation and submittal of analytical data. In general, a unique EDD has been developed for each analytical method and each medium. Each EDD provides the analyst with a standardized laboratory bench sheet and accompanying data entry form for recording analytical data. The data entry forms contain a variety of built-in quality control functions that improve the accuracy of data entry and help maintain data integrity. These spreadsheets also perform automatic computations of analytical input parameters

(e.g., sensitivity, dilution factors, and concentration), thus reducing the likelihood of analyst calculation errors. The EDDs generated by the laboratories are uploaded directly into the Libby Scribe project database.

2.1.2.6 Data Management

Sample and analytical electronic data are stored and maintained in the Libby Scribe project databases that are housed on a local computer located in the TechLaw, Inc. office in Golden, Colorado, which is backed up daily to an external hard drive.

Because data for the Libby Site are maintained in multiple Scribe projects (e.g., analytical data are managed in annual projects, field information is managed in a project separate from the analytical information), the data have been combined into one Microsoft Access® database by CDM Federal Programs (CDM Smith). This database is a compilation of tables from multiple Scribe projects. Raw data summarized in this report were downloaded from Scribe.NET on 8/4/2014, into the Access database. A frozen copy of the Access database is provided in **Appendix B** of this report. Any changes made to these Scribe projects since this download will not be reflected in the Access database.

2.1.3 Soil Condition Evaluation

2.1.3.1 Soil samples

Because the ABS areas evaluated were representative of the extent of the exposure locations for each receptor population, it is not necessary to try to utilize soil data to estimate ABS air concentrations for unsampled locations. Thus, soil samples were not collected as part of this investigation.

2.1.3.2 Soil Moisture

In order to determine if soil conditions were appropriate to conduct ABS, soil moisture was measured from 10 locations (0-3 inches below ground surface) within each ABS area using a soil moisture meter. ABS activities were not performed if the mean VWC was greater than 50%, or if the VWC for any of the measurement points was greater than 75%. The 10 soil moisture readings for each area and the mean VWC were recorded in the field logbook.

2.1.3.3 Vegetation Condition and Cover

A qualitative estimate of the extent of vegetative cover and vegetation condition of the ABS areas was determined at the start of each ABS event (Scenarios 1 and 2) and recorded on the FSDS. The vegetative condition of the ABS area was qualitatively ranked as either poor, good, or lush. Differences in the vegetative condition across the ABS area before the ABS were documented in the field log books.

2.2 David S. Thompson Search and Rescue Facility Investigation Summary

In the fall of 2007, indoor ABS was conducted at the David S. Thompson Search and Rescue Facility in the meeting room areas and the garage. These data provided the basis of the risk assessment for the facility presented in the *OU1 RI Report* (EPA 2009). However, because extensive soil removal and remedial activities have been conducted at OU1 since 2007, these data may no longer be representative of current facility conditions.

At the request of the public, “clearance” samples were collected from the facility on July 19, 2012. Clearance samples are air samples that are collected after the interior space has been blown with a

leaf blower for several minutes. The action of walking through the facility and aggressively blowing dust from all surfaces effectively simulates a high-end indoor exposure scenario. Following this, interior fans are run to keep the air circulating, and air samples are collected. Six clearance air samples were collected, including one sample from the meeting room, one sample from the kitchen, three samples from the garage, and one field blank. In accordance with the clearance criteria specified in the Site *Action Level and Clearance Criteria Technical Memorandum* (EPA 2003a), the clearance air samples were analyzed for asbestos by TEM utilizing Asbestos Hazard Emergency Response Act (AHERA) methods – EPA 40 CFR Part 763, Appendix A to Subpart E (modified for indirect preparation). No asbestos structures were observed in any clearance air sample (each field sample achieved an analytical sensitivity of 0.009 cc^{-1}).

These clearance samples were collected after soil remediation activities were completed and provide measured data on LA concentrations in air under high-end exposure conditions. Therefore, these clearance samples will be used to evaluate potential exposures to workers and volunteers at the David S. Thompson Search and Rescue facility. However, the analytical sensitivity for these samples achieved during the AHERA analysis was not adequate to support reliable risk calculations; therefore, these samples were submitted for supplemental TEM analysis (i.e., additional grid openings were examined for the previously collected filters to achieve an improved sensitivity).

2.3Results

2.3.1 Outdoor ABS Air Results

Table 2-1 summarizes the LA results for outdoor ABS air, stratified by outdoor activity. Detailed results for all outdoor air samples are provided in **Appendix C**; raw grid opening- and structure-specific data are available in the Access database (**Appendix B**). As shown, LA was observed in one of the nine outdoor ABS air samples that were analyzed as part of this investigation. LA was observed in the infield mowing ABS air sample collected on July 23 at a concentration of 0.0026 PCME LA s/cc. LA was not observed in any of the other samples.

2.3.2 Soil Condition Results

Table 2-2 presents the soil VWC measurements for ABS areas. One set of measurements per event representative of all ABS areas was collected. Individual point VWC values ranged as high as 33.8% (Event 1) with mean VWC below 25% for all events. These levels were well below the VWC thresholds established for conducting ABS.

The vegetative cover in all areas during each ABS event was rated as good, except in the infield mowing area, which was rated as poor. Photographs of before and after mowing of areas other than the infield are shown in **Figure 2-2**. Photographs of areas where cover was rated as poor are not available.

2.3.3 Supplemental Analysis Results

Five clearance air samples were submitted for supplemental analysis in 2014. The TAS (0.00012 cc^{-1}) established for the supplemental analysis was determined based on the most conservative exposure values (i.e., maximum values) from a survey of 18 individuals who spend time at the facility (EPA 2009). To limit analytic effort and cost for the supplemental analyses, the analyst examined a total of 500 grid openings per sample (the achieved sensitivity was 0.00024 cc^{-1}). **Table 2-3** summarizes the LA results for the supplemental analysis of clearance samples; detailed results for supplemental

analysis are provided in **Appendix C** and raw grid opening- and structure-specific data are available in the Access database (**Appendix B**).

As shown, LA was observed in all of the clearance samples. Because all filters were prepared indirectly, LA concentrations were adjusted (decreased) by a factor of 2.5, to reduce the potential bias associated with the indirect filter preparation method. Site-specific studies have shown that PCME LA concentrations for air filters prepared using indirect preparation methods may be biased high, but usually only by a factor of 2-3 (Berry *et al.* 2014). Adjusted LA air concentrations ranged from 0.00019 to 0.00038 PCME LA s/cc.

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Section 3

Data Quality Assessment

Data quality assessment (DQA) is the process of reviewing data to establish their quality and to determine if any data limitations may influence result interpretation (EPA 2006). Data quality may be evaluated by a variety of metrics. The following sections describe the quality assurance (QA) procedures and QC measures that were employed during the OU1 sampling investigation to ensure resulting data were of high quality. The adequacy of the data is also evaluated with respect to the quality metrics and DQOs established in the SAP/QAPP (EPA 2013b).

3.1 Oversight

3.1.1 Field Surveillance

Field surveillances consist of periodic observations made to evaluate continued adherence to investigation-specific governing documents, and to identify any potential deficiencies so that any impact on project data quality is mitigated or limited. Due to the limited scope of the OU1 post-construction ABS field activities, and because similar post-construction ABS field activities were surveyed during 2012 at OU2 (the former Screening Plant and associated areas) with no significant findings, a field surveillance for the OU1 post construction ABS was not conducted.

3.1.2 Laboratory Audits

Laboratory audits are conducted to evaluate laboratory personnel to ensure that samples are handled and analyzed in accordance with the investigation-specific documents and analytical method requirements (or approved Libby laboratory modification forms) and that reported analytical results are correct and consistent. All aspects of sample handling, preparation, and analysis are evaluated. If any issues are identified, laboratory personnel are notified and retrained.

A series of laboratory audits was performed in May-September of 2012 with follow-up audits performed in 2013 to evaluate all of the Libby laboratories. Detailed audit findings for each laboratory audited in 2012 are documented in separate laboratory-specific audit reports (Shaw Environmental & Infrastructure Group [Shaw E&I] 2012a-g). No critical deficiencies were noted during the 2012 laboratory audits that would be expected to impact data quality for TEM analyses (CDM Smith 2014). Although a comprehensive report summarizing the findings of the 2013 audits is currently in preparation, the individual laboratory audit reports are available and have been reviewed. In general, most of the deficiencies identified in 2012 were addressed. Also, the overall number of deficiencies per laboratory was less than identified in 2012. This suggests that the on-site audit program is effective in improving laboratory quality and compliance (CDM Smith 2014).

3.2 Modifications

During any sampling investigation, deviations from the original SAP/QAPP may occur and/or it may be necessary to modify procedures identified in the original SAP/QAPP to optimize sample collection. At the Site, all field and laboratory modifications are recorded in site-specific modification forms. These forms provide a standardized format for tracking procedural changes in sample collection and analysis and allow project managers to assess potential impacts on the quality of the data being collected. For this investigation, no field or laboratory modifications were required.

3.3 Data Review and Verification

The Libby Scribe project databases have a number of built-in quality control checks to identify unexpected or unallowable data values during upload into the database. Any issues identified by these automatic upload checks were resolved by consultation with the field teams and/or analytical laboratory before entry of the data into the database. After entry of the data into the database, several additional data verification steps were taken to ensure the data were recorded and entered correctly.

In order to ensure that the database accurately reflects the original hard copy documentation, all data downloaded from the database were examined to identify data omissions, unexpected values, or apparent inconsistencies. In addition, 10% of the outdoor ABS air samples and analytical results underwent a detailed verification. All of the clearance air samples underwent an analytical results verification. In brief, verification involves comparing the data for a sample in the database to information on the original hard copy FSDS form or the original hard copy analytical bench sheets for that sample. A summary of the data verification effort and findings is presented below.

Hard copy FSDS forms were reviewed in accordance with Libby-specific SOP EPA-LIBBY-11 for four ABS air samples. No discrepancies were identified during this verification effort.

As noted above, the TEM analysis results for 10% of the outdoor ABS air samples and all of the supplemental analysis of clearance air sample filters were reviewed in accordance with Libby-specific SOP EPA-LIBBY-09. No critical[2] discrepancies were identified for the samples selected for verification. Two non-critical issues were identified for the outdoor ABS air samples, in which the laboratory receipt date was incorrect for sample RP-00006 and the minimum aspect ratio recording rule was not recorded on the benchsheet for sample RP-00017. These issues were resolved by the analytical laboratory and the necessary corrections were made to the benchsheets.

Appendix D presents a summary of the findings of the FSDS and TEM verification for this investigation and for the supplemental analysis of clearance air samples. All issues identified during the data verification effort were submitted to the analytical laboratories for resolution and rectification. All tables, figures, and appendices (including all hard copy documentation and the database [provided in **Appendix A** and **Appendix B**, respectively]) generated for this report reflect corrected data.

3.4 Data Validation

Unlike data verification, where the goal is to identify and correct data reporting errors, the goal of data validation is to evaluate overall data quality and to assign data qualifiers, as appropriate, to alert data users to any potential data quality issues.

Data validation is performed by the EPA Quality Assurance Technical Support (QATS) contractor (CB&I Federal Services, LLC [CB&I]), with support from technical support staff familiar with investigation- specific data reporting, analytical methods, and investigation requirements. For the Libby project, data validation of TEM results is performed in accordance with Libby-specific SOPs that

[2] A critical discrepancy is defined as an issue that could influence the reported sample concentration or sample identification information.

were developed based the draft *National Functional Guidelines (NFG) for Asbestos Data Review* (EPA 2011a).

The EPA QATS contractor prepares an annual summary of the program-wide assessment of QA/QC. This annual addendum provides detailed information on the validation procedures performed and provides a narrative on the quality assessment for each type of analysis (e.g., PCM, TEM), including the data qualifiers assigned and the reason(s) for these qualifiers to denote when results do not meet acceptance criteria. This annual summary details any deficiencies, required corrective actions, and makes recommendations for changes to the QA/QC program to address any data quality issues.

The validation of data analyzed in 2013 (including the OU1 post construction ABS TEM analyses and the supplemental analysis of the clearance air samples from the David S. Thompson Search and Rescue facility) will be included in 2014 program-wide annual QA/QC summary report. Although the OU1 data used in the HHRA have not undergone validation, significant changes are not expected based on the validation findings for asbestos data analyzed from 2007 to 2012. The historical data validation findings showed the frequency of data qualification was very low (<0.3% of samples reviewed were qualified) and qualifiers assigned were J-qualifiers (to indicate values were estimated), which suggests that the results of this HHRA would not change substantially based on the data validation.

3.5 Quality Control Evaluation

A number QC samples were collected as part of the OU1 post-construction ABS sampling investigation to help ensure the quality of the results. QC samples included both field-based samples and laboratory-based samples. Results for each type of sample are discussed below.

3.5.1 Field Quality Control

Two types of field QC samples were collected as part of this outdoor ABS program – lot blanks and field blanks.

Lot blanks are collected to ensure air samples for asbestos analysis are collected on asbestos-free filters. Only filter lots with acceptable lot blank results (i.e., no asbestos structures detected) were placed into use for this outdoor ABS effort. No new lot blanks were required or analyzed for this investigation (i.e., filters utilized for this investigation were taken from lots already approved for use).

Field blanks are collected to evaluate potential contamination introduced during sample collection, shipping and handling, or analysis. For this investigation, field blanks for ABS air were collected at a rate of one field blank per ABS team per day as specified in the SAP/QAPP (EPA 2013b). A total of three field blanks were analyzed by TEM (one for each day of sampling); the filter area examined was 0.1 mm^2. No asbestos structures were observed on any field blanks. These results support the conclusion that inadvertent contamination of air samples with LA is not of significant concern, either in the field or the laboratory.

3.5.2 Laboratory Quality Control

The Libby-specific QC requirements for TEM analyses of asbestos are patterned after the requirements set forth by the National Voluntary Laboratory Accreditation Program (NVLAP). In brief, there are three types of laboratory-based QC analyses for TEM – laboratory blanks, recounts, and repreparations. Detailed information on the Libby-specific requirements for each type of TEM QC analysis, including the minimum frequency rates, selection procedures, acceptance criteria, and

corrective actions are provided in the most recent version of Libby Laboratory Modification LB-000029.

Laboratory QC analyses are evaluated by the EPA QATS contractor on a program-wide basis rather than on an investigation-specific basis. This is because the number of laboratory QC samples directly related to this investigation is too limited to draw meaningful conclusions regarding overall laboratory data quality. A program-wide QA/QC summary report, covering all samples collected and analyzed from 2010 to 2013 provides information regarding program-wide data quality for the TEM analytical laboratories (CDM Smith 2014).

Based on the QC data that have been collected at the Libby site and reviewed as part of CDM Smith (2014) report, it was concluded that:

- Blank samples (e.g., lot blanks, field blanks, laboratory blanks) show that inadvertent contamination of field samples with LA or other forms of asbestos is not of significant concern, in the field or at the analytical laboratory.
- For TEM, there is generally good concordance for intra-laboratory analyses. However, there are differences in methods or procedures between analytical laboratories and corrective action may be useful in achieving better agreement and reducing discrepancies due to analytical procedure differences. In addition, increasing the frequency of inter-laboratory analyses will help identify differences as they arise over time.

3.6 Data Adequacy of Outdoor ABS Air Samples

Data adequacy is evaluated by comparing the data obtained to the DQOs and the sampling and analysis requirements specified in investigation-specific SAP/QAPP (EPA 2013b).

3.6.1 Spatial and Temporal Representativeness

In accordance with the SAP/QAPP, outdoor samples were collected from locations within areas of OU1 where actual exposures may occur and encompassed the full extent of the potential exposure area. A total of three mowing/weed trimming events were performed, separated in time by approximately two weeks. Each subsequent sampling event began where the previous event ended to ensure that the entire area was represented by the ABS activities. Thus, the resulting ABS air concentrations are representative of full range of potential exposures and vegetation conditions that may be encountered within OU1. Based on this, the ABS data collected for both scenarios are considered to be spatially representative.

ABS air samples for this investigation were collected during July and September of 2013. Because releasability of LA from soil to air in the summer may be higher than at other times of year when the ground is frozen or snow-covered (typically November through March), concentration values obtained from this investigation may be somewhat higher compared to long-term average concentrations.

3.6.2 Sample Completeness

Completeness is defined as the fraction of planned samples that were successfully collected and analyzed. For the mowing ABS scenario, it was expected that 12 samples would be collected, of which 6 would be analyzed. For the weed trimming ABS scenario it was expected that 6 samples would be

collected, of which 3 would be analyzed. As seen in **Table 2-1**, the number of expected samples collected and successfully analyzed was achieved for all scenarios (i.e., 100% completeness).

3.6.3 Sample Duration

As specified in the SAP/QAPP, the ABS time interval for the first actor mowing the infield was two hours, completed in six 20-minute sampling intervals with a break period separating each sampling interval. The second actor mowed areas other than the infield, including areas near the pavilion and near the edges of the parking lots, continuing to mow until as much of these areas were mowed as possible in one hour. This hour was completed in three 20-minute intervals with a break period separating each sampling interval. This actor also operated a weed edger/trimmer (i.e., weed whacker) after the one-hour mowing ABS interval was completed for one hour consisting of three 20-minute intervals with a break period separating each sampling interval. The times specified for each activity were met in all ABS events. In the last two ABS events, sampling intervals were increased to 30 minutes before a break was taken; however, the total duration of the ABS sampling time was not changed. These sampling durations are considered to be long enough to ensure representativeness for City workers performing lawn maintenance in OU1.

3.6.4 Analytical Sensitivity

The level of analytical sensitivity needed to ensure that analysis of ABS air samples will be adequate is derived by finding the concentration of LA in ABS air that might be of potential concern, and then ensuring that if an ABS sample were encountered that had a true concentration equal to that level of concern, it would be quantified with reasonable accuracy.

As specified in the SAP/QAPP, the TAS for each ABS scenario was derived by calculating a risk-based concentration (RBC) using the draft LA-specific toxicity values (EPA 2011b) and assuming a target cancer risk of 1E-05 and target non-cancer hazard quotient (HQ) of 1. The RBCs were derived based on reasonable maximum exposure (RME) parameters that are equivalent to those utilized in this HHRA (see Section 4.1.3). The TAS was determined by dividing the RBC for each scenario by 3, which ensures that a sample with a true air concentration equal to the RBC will have a 95% probability of detection. As specified in the SAP/QAPP, the TAS was 0.003 cc^{-1} for mowing ABS air samples and 0.018 cc^{-1} for weed trimming ABS air samples.

Table 2-1 summarizes the analytical sensitivities achieved for all outdoor ABS air samples. As seen, all mowing ABS air samples achieved the target sensitivity of 0.003 cc^{-1}. All of the weed trimming ABS air samples achieved the target sensitivity of 0.018 cc^{-1}; in fact, one of the samples achieved an even lower analytical sensitivity than was required.

3.6.5 Evenness of Filter Loading

The TEM analysis of filters generated for ABS air examines only a portion of the total filter. For the purposes of computing concentration in the ABS air sample, it is assumed that the filter is evenly loaded. The assessment of filter loading evenness is evaluated using a Chi-square (CHISQ) test, as described in ISO 10312 Annex F2. If a filter fails the CHISQ test for evenness, the reported result may not be representative of the true concentration in the sample, and the results should be given low confidence. An evaluation of filter loading for the ABS air samples from this study showed that all filters passed the CHISQ test for evenness. Thus, it is concluded that uneven filter loading is not of significant concern for the ABS air samples analyzed in this study.

3.7 Data Quality of Clearance Samples

3.7.1 Spatial and Temporal Representativeness

Clearance samples collected at the David S. Thompson Search and Rescue facility provide measured data on LA concentrations in air under high-end exposure conditions. Clearance air samples were collected after soil remediation activities were completed from locations (i.e., office and garage) where actual exposures to search and rescue worker/volunteers may occur and are spatially representative of potential exposure areas within the facility. However results of clearance air samples derived under high-intensity disturbances are likely to be higher than would be expected under "normal" use activities and may overestimate actual exposures. Additionally, clearance air samples were collected during July, when releasability of LA from soil to air may be higher than at other times of year; therefore, concentration values obtained may be somewhat higher compared to long-term average concentrations. Although clearance samples were collected in 2012, data are considered representative of current conditions, since search and rescue activities at the facility have not changed substantially since 2012. Therefore, the clearance samples are considered representative of potential exposures to workers and volunteers at the David S. Thompson Search and Rescue facility.

3.7.2 Sample Completeness

The number of expected samples collected (five air field samples and one field blank) and successfully analyzed was achieved for this sampling event (i.e., 100% completeness). All five air field samples underwent supplemental TEM analysis.

3.7.3 Analytical Sensitivity

The analytical sensitivity initially achieved for these samples utilizing AHERA methods was not adequate to support reliable risk calculations; therefore, the five field samples were submitted for supplemental analysis. The TAS (0.00012 $cc^{-1)}$ determined for the supplemental analysis was based on the maximum exposure values from a survey of 18 individuals who spend time at the facility (EPA 2009). To limit analytic effort and cost, stopping rules were set at 500 grid openings or 25 observed PCME LA structures. For the supplemental analysis, the analyst stopped at 500 grid openings and the achieved sensitivity was 0.00024 cc^{-1}. Although the samples did not achieved the TAS, because multiple LA structures were observed in all samples, this is not a significant limitation in the interpretation of the reported air concentrations.

3.8 Data Quality Conclusions

Taken together, these results indicate that data collected as part of the OU1 post-construction ABS investigation are of acceptable quality and are considered to be reliable and appropriate for their intended use. In addition, results of the supplemental analysis of clearance samples are considered adequate to evaluate potential exposures to workers/volunteers at the David S. Thompson Search and Rescue facility.

Section 4

Risk Assessment

This section presents an evaluation of the human health risks associated with LA exposures resulting from soil disturbances at OU1. These risk calculations are for exposures to City workers exposed to outdoor air at OU1 and search and rescue workers/volunteers exposed to indoor air at the David S. Thompson Search and Rescue facility. Exposures that may occur outside of OU1 are not considered in this document, but will be evaluated in the Site-wide cumulative HHRA and included in final risk management decision-making for the Site.

4.1 Exposure Assessment

4.1.1 Current Soil Conditions

As described in the *Final OU1 Remedial Action Report* (EPA 2013a) several removal actions have taken place at OU1 and, as a result of soil removal and redevelopment actions, no residual LA contamination remains at the surface. Even though cleanup actions taken at OU1 often involved removing contaminated soils to depths of up to 3 feet below ground surface, there are a number of areas where residual contamination remains at various depths below the surface (see **Figure 1-5** and Figures 3-1 through 3-4 of EPA 2013a).

Restoration activities at OU1 have included placement of soil cover and seeding or re-vegetation, and in some cases, placement of rip-rap, geotextile barrier, and/or erosion control matting. The majority of OU1 was restored by backfilling excavations using clean soil brought from an offsite borrow source area outside the Kootenai Valley. Prior to placement of the soil cover, a visual barrier (e.g., orange construction fence) was installed. Above the backfill, topsoil was placed and hydroseeded for erosion control. These measures control erosion of contaminated soil by wind and water from source locations to prevent the spread of contamination to other locations. Onsite roads and parking lots were covered with road base materials. The City Service Road and the boat ramp were also paved after reconstruction; other driveways and parking lots were left unpaved (EPA 2013a). In addition, the replacement of the revetment along the Kootenai River shoreline at OU1 will prevent the potential migration of the soil and sediment covered by rip-rap from migrating to the surface (see Section 1.1).

In the areas with residual contamination, the in-place cover is sufficient to break the exposure pathway. The ICs in place at OU1 are expected to allow for the current and reasonably anticipated future uses of recreational and maintenance activities at the site. ICs have been (or will be) finalized to limit uses that will damage the remedy, thereby minimizing risks posed to human receptors from remaining LA in subsurface soil. ICs currently in place limit excavations at OU1. Any excavation requires a call to U-Dig to identify buried utilities and, for an excavation within Superfund Site boundaries, a call to U-Dig prompts the Environmental Resource Specialist (ERS) program to identify the potential for residual asbestos contamination on the property. In addition, encroachment and permitting ICs have been established to protect the selected remedy for the MDT right-of-way (ROW) (Area 3 – embankments). Any excavation within the MDT ROW requires a permit from MDT. That permit includes information about the potential to encounter asbestos contaminated soil.

The EPA is also evaluating further proprietary/legal controls (i.e., an environmental covenant) for each area of OU1 that would prohibit activities that may compromise the effectiveness of the selected

remedy. All ICs for OU1 have not been finalized at this time; however, final ICs for OU1 will be compiled in an *Institutional Control Implementation and Assurance Plan* (ICIAP) (EPA 2013c).

To ensure long-term effectiveness and permanence of the selected remedy, monitoring, inspections, maintenance, and reviews will be conducted. During the site inspections, current site conditions, including drainage, signs of erosion and integrity of the cover, will be observed and documented. Damage to covers and backfilled areas identified during routine site inspections will be repaired to eliminate exposure of underlying contamination. Monitoring of the ICs will include evaluations of the effectiveness of the ICs implemented by the ICIAP. ICs will be evaluated on at least an annual basis and updated if necessary to ensure protectiveness. Five-year site reviews will be conducted by the EPA (as required by the National Contingency Plan [NCP]) to ensure that the remedy as implemented and maintained continues to be protective of human health and the environment. The Five-year review process consists of six components: 1) community involvement and notification, 2) document review, 3) data review and analysis, 4) site inspection, 5) interviews, and 6) protectiveness determination (EPA 2003b).

4.1.2 Exposure Areas, Populations, and Pathways

As discussed above, OU1 includes areas that were affected by contamination released from the former Grace Export Plant. Areas within OU1 include the former Export Plant (Area 1), the former Riverfront Park (Area 2), and embankments owned by MDT (Area 3) (see **Figure 1-2**). Because of concerns for exposure of humans to contamination in OU1, EPA has taken extensive actions to remove mine-related waste materials and contaminated soils. In areas that have been remediated, and where surface soil is either capped or backfilled with clean soil, there are no complete exposure pathways to LA at present. The purpose of this post construction risk assessment is to confirm the effectiveness of the remedy.

Of the three OU1 areas identified in **Figure 1-2**, the David S. Thompson Search and Rescue Facility (Area 1) and the park (Area 2) are actively used. The David S. Thompson Search and Rescue facility is privately owned and used for search and rescue purposes and will continue to be used for search and rescue purposes. The park is owned and maintained by the City of Libby. The park will continue to be used for a variety of recreational purposes, such as festivals or parties. Area 3, which is the Highway 37 embankments, is maintained by the MDT.

The principal exposure route of interest is inhalation of outdoor air in the breathing zone of the exposed individual during disturbances of potential source materials (e.g., asbestos-contaminated soil). There are two exposure populations that were evaluated for outdoor areas in OU1 – City workers and recreational visitors. Both populations may engage in a variety of soil disturbance activities, although it is anticipated that City workers will engage in soil disturbance activities at a higher frequency and intensity than park visitors.

As noted above, because soil remediation activities have been conducted at OU1 after the construction of the David S. Thompson Search and Rescue facility, a potential exists for LA contaminated soil to have been tracked into the facility. In addition, Search & Rescue volunteers routinely go into areas (e.g., forest areas around Libby) where LA contamination may be present and could subsequently track contamination from these source areas into the facility. A potential source of asbestos contamination in indoor dust is asbestos in outdoor soil; therefore, exposure via inhalation to LA in indoor air originating from outdoor sources is evaluated for search and rescue workers/volunteers.

Figure 4-1 presents a conceptual site model (CSM) for human exposure to LA at OU1. The CSM presents a graphical illustration of the ways in which people may be exposed to LA that is attributable

to mining operations in OU1. As shown, the exposure pathways that will be evaluated quantitatively in this risk assessment include:

- Inhalation exposures of City or MDT workers to outdoor air during activities that would disturb surface soil (i.e., mowing the park or trimming weeds in OU1)
- Inhalation exposures of recreational visitors to outdoor air during activities that may disturb surface soil (i.e., playing on the lawn surface)
- Inhalation exposures of search and rescue workers/volunteers to indoor air at the David S. Thompson Search and Rescue facility

Although exposure to outdoor ambient air is a complete exposure pathway, exposures are expected to be minor (EPA 2009).

Damage to protective covers could result from vandalism, light motor vehicle traffic (boat ramp) and or unauthorized digging. In addition, flooding of the Kootenai River has the potential to result in surface exposure of LA from significant erosion of the covers in place. If future excavation or construction activities or other actions occur in areas where residual contamination remains at depth, a number of potential exposure pathways might become complete, including: a) exposure of tradespersons (excavation workers) during and after the subsurface soil excavation work, and b) exposure of residents, workers, or visitors to releases from post-construction subsurface soil contamination. It is presumed that disturbances of residual LA contamination in subsurface soils have the potential to result in significant exposures and risks. However, as discussed in Section 4.1.1, ICs have been developed to ensure the protectiveness of the remedy and therefore exposure pathways associated with residual contamination at depth are considered incomplete and not evaluated in this HHRA. ICs are expected to serve to control any potential disturbance of the protective cap through such means as a Section 75-10-727, Montana Code Annotated (MCA), institutional control (deed restriction), U-Dig, MDT encroachment permits, park permits, contacting the Assessment and Remediation Division (ARP), and the EPA Information Center.

4.1.3 Exposure Parameters

Not all individuals within a population will have equal exposures to asbestos. This is because different individuals will have differing values for exposure. To account for this variability in exposure between different individuals, EPA focuses on individuals who have central tendency exposures (CTE) and on those who have reasonable maximum exposures (RME). For the purposes of this risk assessment, risk calculations are performed first based on RME for city workers, search and rescue workers/volunteers that spend time at the David S. Thompson Search and Rescue facility, and recreational visitors. CTE calculations are only performed if resulting risks based on RME exceed a level of potential concern.

The scenario-specific exposure parameters needed to calculate risks for the mowing and weed trimming scenarios and recreational scenarios are not known with certainty. EPA has not established default exposure time or exposure frequency parameters that are applicable for any of the exposure scenarios of potential concern in OU1. Therefore, for the purposes of this risk assessment, exposure parameters for each exposure scenario were selected based on professional judgment to represent RME values. Outdoor exposure assumptions for City workers and recreational visitors were developed to be representative for the types of activities that take place at OU1 and the times of the year these activities would take place.

The exposure frequency for City workers assumes that outdoor maintenance workers mow park areas at OU1 every other week during the spring and summer (April through September) for a total of 13 days per year. It is assumed that the park could be mowed in approximately 6 hours based on an average mowing rate of 2 acres per hour. It was also assumed that weed trimming activities would take place on the same day as lawn mowing and would last for about an hour. Although City workers may maintain other areas in Libby, only a small fraction (about 5% or 13 days/250 days) of a City worker's time is expected to be spent mowing or trimming weeds in OU1. The exposure duration assumed for City workers is 25 years, the standard default exposure duration for workers (EPA 1993a).

Exposure assumptions used for the search and rescue worker/volunteer scenario were determined from a survey of 18 individuals who spend time at the facility conducted in 2008 (EPA 2009). The 95th percentile of indoor exposure time and exposure frequency estimates from the questionnaires for research and rescue volunteers was used to evaluate RME. Based on these data, the RME scenario assumes that a volunteer spends 3.2 hours per day for 147 days per year at the facility. Volunteers are assumed to be primarily residents; therefore, the RME exposure duration assumed is 50 years (which is based on recent census data [EPA 2011c]).

Recreational visitors (adults and children) may participate in a wide variety of activities at the recently developed park at OU1. Typical recreational activities may include, but are not limited to, picnicking, attending city celebrations or concerts, playing on the lawn, and fishing or boating along the shoreline. Exposure assumptions used for recreational visitors are based on professional judgment, site-specific conditions, and the types of activities that are anticipated to occur at OU1. Recreational visitors were assumed to spend 2 hours per day for 100 days out the year recreating at OU1. The number of days per year were adjusted to account for days when releases of LA due to soil disturbance activities were unlikely, either due to snow cover or high soil moisture content (from November to March). Recreational visitors are assumed to be primarily residents; therefore, the RME exposure duration assumed is 50 years (EPA 2011c).

Table 4-1 provides exposure parameters for City workers, search and rescue workers/volunteers, and recreational visitors that are used to quantitatively evaluate each exposure scenario in this risk assessment. Uncertainties associated with these assumptions are discussed in Section 4.5.

4.1.4 Exposure Point Concentrations

An exposure point is a location where exposure and risk are to be evaluated, and an exposure point concentration (EPC) is an estimate of the long-term average concentration of LA in air at that location, expressed as PCME s/cc. For outdoor exposures, each ABS study area was treated as an exposure point.

Ideally, the EPC used in the risk calculations for each exposure location would be the true average concentration within the exposure area, averaged across the exposure duration. However, the true average concentration at a location can only be approximated from a finite set of measurements, and the observed sample mean might be either higher or lower than the true mean.

To minimize the chances of underestimating the true level of exposure and risk, the EPA generally recommends that risk calculations be based on the 95% upper confidence limit (95UCL) of the sample mean (EPA 1992). However, because there is no EPA-approved method for calculating the 95UCL for an asbestos dataset, risk calculations presented in this report utilize the sample mean (EPA 2008). The sample mean is an unbiased estimate of the true concentration, but the true concentration may be

either higher or lower. However, the potential magnitude of the difference between the sample mean and the true mean cannot presently be quantified. One possibility is to use the maximum and mean concentration as EPCs to capture the potential variability in the sample results; however, this approach does not capture the variability due to analytic uncertainty (i.e., Poisson counting error).

Note that, when computing the mean of a set of air samples, all samples with a count of zero structures are evaluated using a concentration value of zero (EPA 2008). This is important, because assigning any value greater than zero to such samples will tend to bias the sample mean high (EPA 1999; 2008).

An EPC was estimated for the mowing ABS scenario and the weed trimming ABS scenario using data from the three ABS sampling events. EPCs for the David S. Thompson Rescue facility were estimated from the supplemental analysis of clearance samples. Because volunteers may routinely access specific areas of the facility, EPCs were estimated separately for the office (2 samples) and the garage (3 samples). The EPC estimated for the ABS mowing scenario was used as a surrogate EPC to evaluate the recreational exposure scenario. The mowing scenario is considered a conservative estimate of potential exposures for park visitors who may engage in soil disturbance activities at OU1. **Table 4-2** presents the EPCs for each exposure scenario that will be evaluated in the risk assessment.

4.2 Toxicity Assessment

The objective of a toxicity assessment is to identify what adverse health effects a contaminant may cause, and how the occurrence of those adverse effects depends on exposure level. The toxicity assessment is divided into two parts: the first characterizes and quantifies the carcinogenic (cancer) effects, while the second addresses the non-cancer effects. This two-part approach is employed because there are typically major differences in the shape of the exposure-response curve for cancer and non-cancer effects.

A detailed summary of the cancer and non-cancer effects of asbestos is provided in the Agency for Toxic Substances and Disease Registry (ATSDR) *Toxicological Profile for Asbestos* (ATSDR 2001) and in EPA's *Airborne Asbestos Health Assessment Update* (EPA 1986). EPA is in the process of completing a toxicity assessment that is specific to LA, but this assessment is not yet final; thus, this section focuses on asbestos toxicity in general. The Site-wide HHRA will include a toxicity assessment that is specific to LA.

4.2.1 Cancer

Many epidemiological studies have reported increased mortality from cancer in workers exposed to asbestos, especially from lung cancer and mesothelioma. Based on these findings, and supported by extensive carcinogenicity data from animal studies, EPA has classified asbestos as a known human carcinogen (EPA 1993b).

4.2.1.1 Lung Cancer

Exposure to asbestos is associated with increased risk of developing all major histological types of lung carcinoma (adenocarcinoma, squamous cell carcinoma, and oat-cell carcinoma) (ATSDR 2001). The latency period for lung cancer generally ranges from about 10 to 40 years (ATSDR 2001). Early stages are generally asymptomatic, but as the disease develops, patients may experience coughing, shortness of breath, fatigue, and chest pain. Most lung cancer cases result in death. The risk of developing lung cancer from asbestos exposure is substantially higher in smokers than in non-smokers (Selikoff *et al.* 1968; Doll and Peto 1985; ATSDR 2001; National Toxicology Program [NTP] 2005).

4.2.1.2 Mesothelioma

Mesothelioma is a tumor of the thin membrane that covers and protects the internal organs of the body, including the lungs and chest cavity (pleura), and the abdominal cavity (peritoneum). Exposure to asbestos is associated with increased risk of developing mesothelioma (ATSDR 2001). The latency period for mesothelioma is typically around 20 to 40 years (Lanphear and Buncher 1992; ATSDR 2001; Mossman *et al.* 1996; Weill *et al.* 2004). By the time symptoms appear, the disease is most often rapidly fatal (British Thoracic Society 2001).

4.2.1.3 Other Cancers

A number of studies suggest asbestos exposure may increase risk of cancer at various gastrointestinal sites (EPA 1986). The National Academy of Science (NAS) reviewed evidence regarding the role of asbestos in gastrointestinal cancers primarily following occupational exposures (these are assumed to be primarily by the inhalation route) (NAS 2006). NAS concluded that data are "suggestive, but insufficient" to establish that asbestos exposure causes stomach or colorectal cancer. Data on esophageal cancer are mixed and were regarded as "inadequate to infer the presence or absence of a causal relationship to asbestos exposure".

Data on risks of gastrointestinal cancer following ingestion-only exposure are more limited. Some researchers (Conforti *et al.* 1981; Kjaerheim *et al.* 2005) have reported a significant correlation between oral exposure to asbestos in drinking water and the risk of gastrointestinal cancer. The World Health Organization (WHO 1996) concluded that data are not adequate to support the hypothesis that an increased cancer risk is associated with the ingestion of asbestos in drinking water. However, EPA has determined that there is an increased risk of developing benign intestinal polyps as a consequence of long-term ingestion of asbestos-contaminated drinking water. This finding is the basis for the maximum contaminant level (MCL) for asbestos in drinking water (EPA 1988)

NAS (2006) reviewed available data on the relationship between asbestos exposure and laryngeal cancer and concluded that the data were "sufficient to infer a causal relationship between asbestos and laryngeal cancer." NAS (2006) concluded that data are "suggestive but not sufficient to infer a causal relationship between asbestos exposure and pharyngeal cancer."

Excess deaths from kidney cancer among persons with known exposure to asbestos have been reported by a number of researchers (Selikoff *et al.* 1979; Puntoni *et al.* 1979; Enterline *et al.* 1987). A review by Smith *et al.* (1989) evaluated these studies and concluded that asbestos should be regarded as a probable cause of human kidney cancer.

In a recent review, the International Agency for Research on Cancer (IARC) added ovarian cancer to the organ sites associated with asbestos exposure (IARC 2012).

4.2.1.4 Inhalation Unit Risk (IUR)

The inhalation unit risk (IUR) for asbestos reported in EPA's Integrated Risk Information System (IRIS) is 0.23 PCM s/cc^{-1} (EPA 2008). However, the IUR value reported in IRIS is suitable only for application to a continuous lifetime exposure scenario (i.e., exposure that begins at birth and continues until death). For "less-than-lifetime" exposure scenarios, the IUR term varies as a function of age at first exposure and exposure duration (EPA 2008). Therefore, an IUR value is computed for each unique exposure scenario to match the exposure period of interest (i.e., age of first exposure and exposure duration). Appendix E of EPA (2008) details how to derive "less-than- lifetime" IUR values. Table E-4 of EPA (2008) is a matrix table that provides IUR values for a series of exposure duration

and age at first exposure conditions. **Table 4-3** presents the age- and duration-specific IUR values for each exposure population evaluated in this risk assessment.

4.2.2 Non-cancer

4.2.2.1 Asbestosis

Asbestosis is a chronic pneumoconiosis associated with inhalation exposure to asbestos. It is characterized by the gradual formation of scar tissue in the lung parenchyma. Initially, the scarring may be minor and localized within the basal areas, but as the disease develops, the lungs may develop extensive diffuse alveolar and interstitial fibrosis (American Thoracic Society [ATS] 2004).

Build-up of scar tissue in the lung parenchyma results in a loss of normal elasticity in the lung, which can lead to the progressive loss of lung function. The initial symptoms of asbestosis are shortness of breath, particularly during exertion. People with fully-developed asbestosis tend to have increased difficulty breathing that is often accompanied by coughing or rales. In severe cases, impaired respiratory function can lead to death.

Asbestosis generally takes a long time to develop, with a latency period from 10 to 20 years. Mossman and Churg (1998) suggest that latency is inversely proportional to exposure level. The disease may continue to progress long after exposure has ceased (ATSDR 2001). The progression of the disease after cessation of exposure also appears to be related to the level and duration of exposure (ATS 2004).

4.2.2.2 Pleural Abnormalities

Exposure to asbestos may increase the risk of several types of abnormalities of the pleura (the membrane surrounding the lungs) (Broaddus *et al.* 2011), including:

- Pleural effusions are areas where excess fluid accumulates in the pleural space. Most pleural effusions last several months, although they may be recurrent (Lockey *et al.* 1984). Pleural effusions can be asymptomatic, although they may be associated with decreased ventilatory capacity, fever, and pain (Bourbeau *et al.* 1990).

- Pleural plaques are acellular collagenous deposits, often with calcification. Pleural plaques represent an irreversible pathological lesion of the pleural membranes. Pleural plaques are the most common manifestations of asbestos exposure (ATSDR 2001; ATS 2004; Rohs *et al.* 2008). Pleural plaques may also be asymptomatic in some, but not all, cases (Bourbeau *et al.* 1990).

- Diffuse pleural thickening (DPT) is a non-circumscribed fibrotic lesion (often described as a "basket weave of collagen") in the pleura that encases the lungs. Thickening may be extensive and cover a whole lobe or even an entire lung. DPT restricts the ability of the lung to expand mechanically, thereby reducing respiratory volume. DPT is strongly associated with reduced lung function (Baker *et al.* 1985; Churg 1986; Jarvholm and Larsson 1988). Severe effects are rare, although Miller *et al.* (1983) reported on severe cases of DPT that lead to death.

- Localized pleural thickening (LPT) may include both pleural plaques and pleural thickening that does not involve blunting of the costophrenic angle (the angle between the diaphragm and the chest wall at the bottom of the lung). Thickening of the pleura is due to collagen deposition, and may occur on both the outer and inner surface of the pleura. LPT is generally considered to be a less severe lesion than DPT or asbestosis.

The latency period for pleural abnormalities is usually about 10 to 40 years (ATS 2004), although pleural effusions may occasionally develop as early as one year after first exposure (Epler and Gaensler 1982).

4.2.2.3 Other Non-Cancer Effects

Some epidemiological studies provide evidence that chronic exposure to asbestos can increase the risk of several other types of non-cancer effects including cor pulmonale (right-sided heart failure), retroperitoneal fibrosis (a fibrous mass in the back of the abdomen that blocks the flow of urine from the kidneys to the bladder), depressed cell-mediated immunity (ATSDR 2001), and autoimmune disease (Pfau *et al.* 2005; Noonan *et al.* 2006; Marchand *et al.* 2012; Serve *et al.* 2013; Ferro *et al.* 2014).4.2.2.4 Reference Concentration (RfC)

At present, there is no inhalation RfC available in IRIS for the assessment of non-cancer risks from airborne asbestos exposure.

4.3 Basic Equations

The basic equations for evaluating potential cancer risks and non-cancer hazards from inhalation exposures to asbestos are provided below.

4.3.1 Cancer

EPA has developed a method for estimating excess lifetime cancer risk[3] due to inhalation exposure to asbestos. The basic equation used to estimate excess lifetime cancer risk is (EPA 2008):

$$\text{Risk} = \text{EPC} \cdot \text{TWF} \cdot \text{IURa,d}$$

where:

Risk = Lifetime excess risk of developing cancer (lung cancer or mesothelioma) as a consequence of LA exposure.

EPC = Exposure point concentration of LA in air (PCM or PCME s/cc). The EPC is an estimate of the long-term average concentration of LA in inhaled air for the specific activity being assessed.

TWF = Time-weighting factor. The value of the TWF term ranges from zero to one, and describes the average fraction of a lifetime during which exposure occurs from the specific activity being assessed.

IURa,d =Age- and duration-specific inhalation unit risk (PCM s/cc)$^{-1}$

[3] Note that excess cancer risk can be expressed in several formats. A cancer risk expressed in a scientific notation format as 1E – 06 is equivalent to in in 1,000,000 or 10^{-6}. Similarly, a cancer risk of 1E-04 is equivalent to 1 in 10,000 or 10^{-4}. For the purposes of this document, all cancer risks are presented in a scientific notation format (i.e., 1E-06).

4.3.2 Non-Cancer

The basic equation for characterizing non-cancer hazards from inhalation exposures to asbestos is as follows:

$$HQ = EPC \cdot TWF / RfC$$

where:

HQ = Hazard quotient for non-cancer effects from LA exposure

EPC = Exposure point concentration of LA in air (PCM or PCME s/cc)

TWF = Time-weighting factor

RfC = Reference concentration (PCM s/cc)

As noted above, at this time there is no inhalation RfC available in IRIS for the assessment of non-cancer risks from airborne asbestos exposure.

4.3.3 Equation Inputs

4.3.3.1 Exposure Point Concentration (EPC)

The EPC values used in the risk estimates are specific to each exposure scenario. As discussed above, the EPC is calculated as the mean concentration across all ABS air samples or clearance air samples, expressed as PCME LA s/cc, collected for each exposure area. **Table 4-2** presents the EPCs for each exposure area/scenario.

4.3.3.2 Time Weighting Factor (TWF)

The value of the TWF ranges from zero to one, and describes the average fraction that exposure occurs in the time interval being evaluated.

When calculating risks based on the IUR, the equation for TWF is (EPA 2008):

$$TWF = ET/24 \cdot EF/365$$

where:

ET = Average exposure time (hours per day) on days when exposure is occurring

EF = Average exposure frequency (days per year) in years when exposure is occurring

Note that exposure duration is not included in the TWF equation. This is because the IUR incorporates exposure duration in the derivation of the IUR value (see Section 4.2.1).

Table 4-1 provides RME exposure parameters for City workers and for search and rescue workers/volunteers for OU1. **Table 4-4** presents the TWF values that will be used to quantitatively evaluate each exposure scenario in this risk assessment.

4.3.3.3 Inhalation Unit Risk (IUR)

As discussed above, an IUR value is computed for each unique exposure scenario to match the exposure period of interest (i.e., age of first exposure and exposure duration). Appendix E of EPA (2008) details how to derive "less-than-lifetime" IUR values. **Table 4-3** presents the age- and duration- specific IUR values for each exposure population evaluated in this risk assessment.

4.4 Risk Characterization

Because of concerns for exposure of humans to contamination in OU1, EPA has taken extensive actions to remove mine-related waste materials and contaminated soils. In areas that have been remediated, and where surface soil is either capped or backfilled with clean soil, there are no complete exposure pathways to LA at present. The purpose of this post-construction risk assessment is to evaluate the effectiveness of the remedy and is considered an interim HHRA. Final conclusions about the effectiveness of the selected remedy will be made once the Site-wide HHRA has been completed based on the final LA-specific toxicity values.

As discussed above, the principal exposure route of interest is inhalation of outdoor air in the breathing zone of the exposed individual during disturbances of potential source materials (e.g., asbestos-contaminated soil). There were three exposure populations evaluated in this risk assessment. Outdoor exposures were evaluated for City workers who maintain the Riverfront Park in OU1 and recreational visitors that use park facilities. Indoor exposures were evaluated for workers/volunteers in the David S. Thompson Search and Rescue facility.

Although residual contamination remains at varying depths (see **Figure 1-5**) over a considerable portion of OU1, exposure pathways associated with LA contamination at depth were considered incomplete and not evaluated. This determination is based on the numerous ICs in place to ensure the protectiveness of the selected remedy, thereby eliminating exposure to LA contamination remaining at depth. It is presumed that, if ICs are not maintained, disturbances of residual LA contamination in subsurface soils have the potential to result in significant exposures and risks.

Table 4-5 summarizes RME cancer risk estimates for each exposure population. As shown, for the City worker mowing exposure scenario the cancer risk was 3E-07. For the weed trimming scenario, all ABS air samples were non-detect for LA; hence, the EPCs and resulting risks are also zero. For search and rescue workers/volunteers, cancer risks are 2E-06 and 1E-06 for potential exposures occurring in the office area and the garage, respectively. Cancer risk estimates for recreational visitors exposed to outdoor air at OU1 are 2E-06.

In general, EPA considers excess cancer risks that are below about 1E-06 to be negligible, and risks above 1E-04 to be sufficiently large that some form of remedial action is desirable. Excess cancer risks that range between 1E-04 and 1E-06 are generally considered to be acceptable, although this is evaluated on a case-by-case basis, and EPA may determine that risks lower than 1E-04 are not sufficiently protective and warrant remedial action.

Since all estimated cancer risks are well below 1E-04, data show that exposures in OU1 are likely to be below a level of potential concern for City workers, search and rescue workers/volunteers, and recreational visitors. These results support the conclusion that cleanup actions at OU1 were effective in limiting LA exposures to levels that are below a level of concern; however, as noted above, the final determination of the effectiveness of the remedy will be determined following the completion of the Site-wide HHRA. The uncertainty assessment (see Section 4.5 below) provides a further evaluation of

potential risks, including an evaluation of "upper-bound" risk estimates in cases where the EPC is zero and potential hazards based on draft LA-specific toxicity criteria.

4.5 Uncertainty Assessment

Although EPA has used the best available science to evaluate potential risks from LA asbestos at OU1, there are number of sources of uncertainty in the risk calculations presented in this report. The most important of these are discussed in more detail below.

Because of these uncertainties, all risk values presented here should be considered to be approximate, and actual risks may be either higher or lower than estimated. However, despite the uncertainties, the results support the conclusion that potential risks are below a level of concern in OU1.

4.5.1 Uncertainty in Toxicity Values Used in Risk Characterization

As noted above, there is currently no RfC for asbestos in IRIS. However, EPA has recently proposed an LA-specific IUR and RfC for use in estimating cancer risks and non-cancer hazards from exposures to LA in air (EPA 2011b). These LA-specific values were derived based on LA-specific exposure and toxicity information and are currently undergoing review in accordance with the IRIS review process. The draft LA-specific IUR is 0.17 PCM s/cc^{-1} and the draft LA-specific RfC is 0.00002 PCM s/cc. The LA-specific toxicity values used in this interim HHRA are draft values that are subject to change in the future in response to comments from the Scientific Advisory Board. The Site-wide HHRA for the Libby Asbestos Superfund Site will include risk calculations for OU1 that are based on the final LA- specific toxicity values.

The approach for estimating potential risks using the LA-specific toxicity values differs somewhat from the approach described in EPA (2008). For the LA-specific IUR, less-than-lifetime exposures are evaluated by adjusting the respective TWF (i.e., IUR is not adjusted to be age- or duration- specific). In addition, when evaluating exposures based on the LA-specific toxicity values, the TWF equation differs for cancer and non-cancer because the interval over which exposure duration is calculated is from age 0 to age 70 for cancer and age 0 to age 60 for non-cancer (because the RfC based on cumulative lifetime exposure lagged by 10 years). The equation for TWF is:

$$TWF_{cancer} = ET/24 \cdot EF/365 \cdot ED/70$$

$$TWF_{non\text{-}cancer} = ET/24 \cdot EF/365 \cdot ED/60$$

where:

ET = Average exposure time (hours per day)

EF = Average exposure frequency (days per year)

ED = Exposure duration (years)

Cancer risk estimates and non-cancer HQs based on the LA-specific toxicity values are shown in **Table 4-6**. As shown, for the mowing scenario, RME cancer risks are 2E-07 and the non-cancer HQ is less than one. For the weed trimming scenario, because the EPC is zero, the cancer risk and non-cancer HQ are both zero. As shown, RME cancer risks for search and rescue workers/volunteers are 2E-06 (office) and 1E-06 (garage). RME non-cancer HQs are less than one for search and rescue workers/volunteers. (Recall that EPCs for this exposure scenario were derived from clearance air

samples under high-intensity disturbances; thus, exposure values used in the risk calculations are likely to be higher than would be expected under "normal" use activities. RME cancer risks for recreational visitors are 1E-06 and the non-cancer HQ is less than one. Thus, these data show that, even based on the draft LA-specific toxicity values, exposures to City workers, search and rescue workers/volunteers, and recreational visitors are likely to be below a level of concern.

4.5.2 Uncertainty in True Long-Term Average LA Concentrations in Air

Poisson Uncertainty

Concentrations of LA in ABS air (especially outdoor ABS air) are inherently variable, so estimates of mean exposure concentrations are subject to uncertainty arising from random variation between individual samples ("sampling uncertainty"). This sampling uncertainty is compounded by the effect of analytical measurement error. That is, for each air sample collected, the number of asbestos structures observed during the analysis is a random variable that is characterized by the Poisson distribution:

$$\text{Count}_{\text{observed}} \sim \text{POISSON}\ (\text{Concentration}_{\text{true}} \cdot \text{Volume Analyzed})$$

In general, the relative magnitude of the uncertainty due to Poisson variation tends to be largest for small counts, and decreases as count increases. The overall uncertainty in a measured concentration is the combination of the sampling error and the Poisson measurement error. The magnitude of the potential uncertainty cannot be estimated because appropriate statistical methods are not yet available to calculate the 95UCL for asbestos datasets (EPA 2008).

PCME Definition

As discussed previously, for samples analyzed by TEM, it is necessary to express air concentrations in terms of PCME, which was defined as all structures with a length > 5 µm, width ≥ 0.25 µm, and aspect ratio ≥ 3:1. Note that the upper width cut-off of 3 µm specified by EPA (2008) has not been used, because structures wider than 3 µm are counted by the NIOSH PCM method (NIOSH 1994). Because the epidemiological exposure dataset that forms the basis of the asbestos toxicity values is based on PCM methods that did not apply an upper width boundary, it is important that exposure estimates used to estimate risk be based on the same counting rules. In the case of exposure calculations at Libby, this approach tends to decrease exposure concentrations only by a very small amount (of the more than 15,000 LA structures observed in air samples for the Site, less than 1% of these structures had a recorded width greater than 3 µm).

Future Exposure Conditions

There are uncertainties associated with the characterization of possible future exposures to LA in indoor air at the David S. Thompson Search and Rescue facility. LA concentrations in indoor air may vary over time due to track-in from offsite areas that may be contaminated. Therefore, it is important for search and rescue workers to be aware of best management practices (BMPs) to reduce the potential for track-in. Recommendations for BMPs are outside the scope of this HHRA but will be addressed by risk managers.

4.5.3 Uncertainty in the EPC Due to Non-Detect Datasets

A special case arises when all of the samples in a dataset are non-detect (i.e., have a count of zero). The calculated mean of the data set is zero, but the true concentration may be greater than zero. For the

purposes of this uncertainty assessment, alternate risk estimates were evaluated for data sets with all zero counts by calculating the mean analytical sensitivity, and setting the EPC equal to one structure times the mean achieved sensitivity. For example, if the mean achieved sensitivity were 0.001 cc^{-1}, the EPC would be evaluated as < 0.001 s/cc. Although not statistically rigorous, this value may reasonably be thought of as a conservative "upper-bound" on the true mean.

Table 4-7 summarizes the cancer risk estimates and non-cancer HQs for City workers exposed to outdoor air at OU1 during weed trimming based on the upper-bound EPC. (Note: The weed trimming scenario was the only scenario included in this assessment because this dataset did not have any detects.) In this table, Panel A presents cancer risk estimates based on the IRIS IUR and Panel B presents cancer risk estimates and non-cancer HQs based on the draft LA-specific toxicity values. As shown, RME cancer risks are below 1E-06 and non-cancer HQs are less than one regardless of the EPC metric or the basis of the toxicity values. These results support the conclusion that, even when based on upper-bound estimates, exposures from outdoor soil disturbances in OU1 are below a level of potential concern for City workers.

Note that risk estimates based on the LA-specific toxicity values should be considered as draft estimates and subject to change pending the finalization of the LA-specific toxicity values.

4.5.4 Uncertainty in Human Exposure Patterns

Risk calculations require knowledge of the duration, frequency, and age at which exposure occurs. Exposure parameters for City workers were assumed using professional judgment based on typical activities that take place at OU1 and are believed to be reasonable and site-specific. However, the true parameters for any individual may be either higher or lower than the values assumed, so risks to individuals may vary from the values reported. Exposure parameters for search and rescue workers/volunteers were based on the 95th percentile value taken from a Site-specific survey and typical exposure values are lower than the RME values assumed; thus, risks to individuals may vary from the values reported. Exposure patterns for recreational visitors are likely to vary significantly; however, this HHRA assumed that recreational visitors were residents that visit the park frequently so as to not underestimate exposures.

4.5.5 Uncertainty in Age-Dependent Factors

In some cases, children are more susceptible to the effects of a toxic chemical than adults. In the case of asbestos, the existing risk models do predict higher risks to children than adults (assuming equal exposures). However, the potency factors used to support these risk calculations are all based on studies in adults, and it is unknown whether or not age-dependent differences in physiology might increase childhood susceptibility to asbestos.

4.5.6 Uncertainty in the Cancer Exposure-Response Relationship

Although the IRIS method is currently the only approach approved by the EPA for estimating cancer risks from inhalation of asbestos (EPA 2008), there are some uncertainties and potential limitations to the use of this method, as follows:

- The potency factors derived by EPA (1986) are based on measures of exposure expressed as PCM fibers, without any distinction of mineral type (chrysotile, amphibole). There is on-going debate regarding whether there is a difference in the relative cancer potencies of the various mineral types. In particular, the carcinogenic potential of chrysotile asbestos relative to amphibole asbestos is a controversial issue. Based on lung burden studies, mechanistic studies,

and some epidemiological data, some researchers (e.g., Hodgson and Darnton 2000; Mossman *et al.* 1990; McDonald and McDonald 1997) propose that amphibole fibers are more potent inducers of mesothelioma, and potentially of lung cancer, than chrysotile. Other studies have confirmed the carcinogenic potency of chrysotile (Smith and Wright, 1996; Kanarak, 2011). Because the potency factors are consensus values that are derived from studies that include occupational exposures to chrysotile alone, amphibole alone, and a mixture of amphibole and chrysotile, it is expected that the IRIS potency factors are intermediate between the values for amphibole and chrysotile.

- To the extent that the particle size distributions vary between workplaces (i.e., the ratio is not constant between the concentration of PCM fibers and the concentrations of other size ranges with differing potencies), the IRIS approach cannot account for these differences, and may either underestimate or overestimate risk.
- The IRIS values are based on observations in workers, and may not address differences in susceptibility between different types of populations (e.g., children, women).
- The IRIS values represent the central tendency estimates of the potency factors, not an upper-bound on the values. Thus, the true potency factors might be either higher or lower than the values selected.
- The unit risks derived by EPA (1986) are based on mortality statistics from the 1970s. Thus, they may not be applicable to populations that are exposed to asbestos today. In particular, as life expectancy has increased, risks from asbestos exposure also tend to increase. Thus, risk estimates based on the IRIS method may be somewhat low.

4.5.7 Uncertainty Associated with Cumulative Exposures

City workers, recreational visitors, and search and rescue workers/volunteers may be exposed to LA, not only at OU1, but at other Site locations as well. EPA will consider the total cumulative risks to individuals in the final risk management decision process for the Libby Site.

4.6 Summary and Conclusions

EPA has taken extensive actions to clean up the mine-related waste materials and contaminated soils in OU1 because of concerns for exposure of humans to contamination. The primary objective of the OU1 post-construction investigation and risk assessment was to determine if residual LA poses unacceptable risks to individuals at OU1 under post-construction conditions.

As described above, OU1 has been remediated and the focus of the post-construction sampling investigation and risk assessment for OU1 was to evaluate the effectiveness of the remedy. Risks were assessed for City workers that maintain the Riverfront Park, for search and rescue workers/volunteers at the David S. Thompson Search and Rescue facility, and for recreational visitors. Based on the data collected from the 2013 outdoor ABS sampling investigation and from the 2012 clearance sampling of the David S. Thompson Search and Rescue facility, it is concluded that residual risks from exposures at OU1 are below or within EPA's acceptable risk range (i.e., cancer risks were within or below 1E-06 to 1E-04 and HQs were below one), even when based on the draft LA-specific toxicity values and upper-bound concentration estimates. As noted above, the Site-wide HHRA for the Libby Asbestos Superfund Site will include risk calculations for OU1 that are based on the final LA-specific toxicity values. Final conclusions about the effectiveness of the selected remedy will be made

once the Site-wide HHRA has been completed based on the final LA-specific toxicity values. Additionally, EPA will consider the total cumulative risks to individuals in the final risk management decision process for the Libby Site.

Section 5

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Tables

TABLE 2-1
2013 OU1 POST-CONSTRUCTION OUTDOOR ABS AIR RESULTS

Scenario 1: City Workers Mowing

ABS Event	Sample Date/Time	Index IDs for ABS Air Samples		Achieved Sensitivity $(cc)^{-1}$ [a]	Number of PCME LA Structures Observed	PCME LA Air Conc. (s/cc) [b]	Poisson 95% Upper Confidence Limit (s/cc) [c]
		HV Filter	LV Filter				
Mowing Infield (Actor 1)							
Event 1	7/9/13 12:01 PM	RP-00004	RP-00003	0.0029	0	0	0.0087
Event 2	7/23/13 7:25 AM	RP-00012	RP-00013	0.0026	1	0.0026	0.0124
Event 3	9/12/13 8:22 AM	RP-00020	RP-00019	0.0029	0	0	0.0086
Mowing in Areas other than Infield (Actor 2)							
Event 1	7/9/13 3:46 PM	RP-00009	RP-00010	0.0029	0	0	0.0087
Event 2	7/23/13 9:55 AM	RP-00015	RP-00014	0.0023	0	0	0.0070
Event 3	9/12/13 10:45 AM	RP-00022	RP-00021	0.0030	0	0	0.0090
					Mean Concentration:	**0.00044**	

Scenario 2: City Workers Trimming Weeds

ABS Event	Sample Date/Time	Index IDs for ABS Air Samples		Achieved Sensitivity $(cc)^{-1}$ [a]	Number of PCME LA Structures Observed	PCME LA Air Conc. (s/cc) [b]	Poisson 95% Upper Confidence Limit (s/cc) [c]
		HV Filter	LV Filter				
Event 1	7/9/13 2:25 PM	RP-00006	RP-00007	0.016	0	0	0.047
Event 2	7/23/13 11:00 AM	RP-00017	RP-00016	0.002	0	0	0.0070
Event 3	9/12/13 11:58 AM	RP-00024	RP-00023	0.016	0	0	0.048
					Mean Concentration:	**0**	

[a] The target analytical sensitivity for the mowing scenario is 0.003 cc^{-1} and the target analytical sensitivity for the weed-trimming scenario is 0.018 cc^{-1}.
[b] All results are based on analysis of the HV filters; all filters were able to be prepared directly.
[c] Calculated as = S · ½ · CHIINV[0.05, (2 · N + 2)]
(where S is the achieved sensitivity and N is the number of structures observed)

% = percent
ABS = Activity-based sampling
cc = cubic centimeter
Conc. = concentration
HV = High volume
ID = Identification number
LA = Libby amphibole asbestos
LV = Low volume
PCME = phase contrast microscopy equivalent
s/cc = structures per cubic centimeter

TABLE 2-2
2013 OU1 POST-CONSTRUCTION OUTDOOR ABS SOIL MOISTURE RESULTS

ABS Area	ABS Event	Soil Volumetric Water Content (VWC) (%)											
		1	2	3	4	5	6	7	8	9	10	*Mean*	*Maximum*
Infield	Event 1 (7/9/13)	27.7	24.8	16.2	32.2	20.1	18.4	21.6	27.8	33.8	26.1	*24.9*	*33.8*
	Event 2 (7/23/13)	13.1	20.6	16.4	12.6	14.3	10.9	9.7	13.5	17.9	11.4	*14.0*	*20.6*
	Event 3 (9/12/13)	22.4	16	13.8	28.4	25.3	29.3	18	23.3	18.7	21.4	*21.7*	*29.3*

ABS = Activity-based sampling

TABLE 2-3
Supplemental Analysis of Search and Rescue Building Clearance Air Samples

Location	Sample Date/Time	Archived Filter No.	Achieved Sensitivity[a] $(cc)^{-1}$	Number of PCME LA Structures Observed	PCME LA Air Conc. (s/cc)	Poisson 95% Upper Confidence Limit (s/cc) [b]	PCME LA Air Conc. (s/cc) Adjusted for Indirect Prep.[c]
Office	7/19/12	3R-05242	0.00024	3	0.00071	0.0018	0.00028
	7/19/12	3R-05243	0.00024	4	0.00094	0.0022	0.00038
				Mean Concentration:	**0.00083**		**0.00033**
Garage	7/19/12	3R-05244	0.00024	2	0.00047	0.0015	0.00019
	7/19/12	3R-05245	0.00024	2	0.00047	0.0015	0.00019
	7/19/12	3R-05246	0.00024	3	0.00071	0.0018	0.00028
				Mean Concentration:	**0.00055**		**0.00022**

[a] The target analytical sensitivity for supplemental analysis of clearance samples was 0.00012 cc^{-1}. To limit analytic effort and cost, stopping rules were set at 500 grid openings (instead of 1,000 GOs to meet the TAS) or 25 observed PCME LA structures.

[b] Calculated as = S · ½ · CHIINV[0.05, (2 · N + 2)]

(where S is the achieved sensitivity and N is the number of structures observed)

[c] All analyses were performed following indirect filter preparation; concentrations are adjusted by a factor of 2.5 (see Section 2.3.3 for details).

% = percent

ABS = Activity-based sampling

cc = cubic centimeter

Conc. = concentration

ID = Identification number

LA = Libby amphibole asbestos

PCME = phase contrast microscopy equivalent

s/cc = structures per cubic centimeter

TABLE 4-1
EXPOSURE PARAMETERS FOR OU1 POPULATIONS

Exposed Population	Exposure Scenario	Exposure Time (hours/day)	Exposure Frequency (days/year)	Age at first exposure (years)	Exposure Duration (years)
City Worker	Mowing, RME	6	13	18	25
	Weed Trimming, RME	1	13	18	25
Search and Rescue Worker/Volunteer	Indoor Activities, RME	3.2	147	18	50
Recreational Visitor	Recreating in the Park[a]	2	100	0	50

[a] Picnicking, community celebrations, playing on lawn, etc.
RME = Reasonable maximum exposure

TABLE 4-2
EXPOSURE POINT CONCENTRATIONS FOR OU1

Exposed Population	Exposure Scenario	Number of ABS Samples Analyzed	Number of Samples with PCME LA Detected	Exposure Point Concentration (EPC)[a] (PCME LA s/cc)
City Worker	Mowing	6	1	0.00044
	Weed Trimming	3	0	0
Search and Rescue Worker/Volunteer	Office	2	2	0.00033
	Garage	3	3	0.00022
Recreational Visitor[b]	Recreating in the Park	--	--	0.00044

[a] All search and rescue air samples required indirect filter preparation; concentrations are adjusted by a factor of 2.5 (see Section 2.3.3 for details).

[a] ABS was not performed for recreational activities; results from the mowing scenario are used to evaluate recreational exposures (see Section 4.1.4 for details).

ABS = activity-based sampling

LA = Libby amphibole asbestos

PCME = phase contrast microscopy equivalent

s/cc = structures per cubic centimeter

TABLE 4-3

AGE-AND DURATION-DEPENDANT IUR VALUES FOR OU1 POPULATIONS

Exposed Population	Exposure Scenario	Age at first exposure (years)	Exposure Duration (years)	IURa,d (PCM s/cc)$^{-1}$
City Worker	Mowing	18	25	0.075
	Weed Trimming	18	25	0.075
Search and Rescue Worker/Volunteer	Indoor Activities	18	50	0.095
Recreational Visitor	Recreating in the Park	0	50	0.21

(s/cc)$^{-1}$ = risk per structures per cubic centimeter
IURa,d = age- and duration-dependent inhalation unit risk
PCM = phase contrast microscopy
RME = Reasonable maximum exposure

TABLE 4-4
TIME-WEIGHTING FACTORS FOR OU1 POPULATIONS

Exposed Population	Exposure Scenario	Exposure Time (hours/day)	Exposure Frequency (days/year)	Time-Weighting Factor (TWF)
City Worker	Mowing	6	13	0.0089
	Weed Trimming	1	13	0.0015
Search and Rescue Worker/Volunteer	Indoor Activities	3.2	147	0.0537
Recreational Visitor	Recreating in the Park	2	100	0.0228

RME = Reasonable maximum exposure

TABLE 4-5
ESTIMATED RISKS FROM EXPOSURES IN OU1

Exposure Scenario	Exposure Point Concentration (EPC) (PCME LA s/cc)	Cancer		
		Time-Weighting Factor (TWF)	IURa,d $(PCM\ s/cc)^{-1}$	Cancer Risk
City Workers[a]				
Mowing	0.00044	0.0089	0.075	3E-07
Weed Trimming	0	0.0015	0.075	0E+00
Workers/Volunteers in David S. Thompson Search and Rescue Facility[b]				
Office	0.00033	0.0537	0.095	2E-06
Garage	0.00022	0.0537	0.095	1E-06
Recreational Visitors[c]				
Recreational Visitor	0.00044	0.0228	0.208	2E-06

[a] Estimated risks for City Workers from mowing and weed trimming exposures in OU1
[b] Estimated risks for Search and Rescue Workers/Volunteers from indoor air exposures in OU1
[c] Estimated risks for recreational visitors at the Park (e.g., picnicking, community celebrations, playing on lawn,

$(s/cc)^{-1}$ = risk per structures per cubic centimeter
IUR = inhalation unit risk
LA = Libby amphibole asbestos
PCM = phase contrast microscopy
PCME = phase contrast microscopy equivalent
s/cc = structures per cubic centimeter
RME = Reasonable maximum exposure

TABLE 4-6

ESTIMATED RISKS FROM EXPOSURES IN OU1
BASED ON LA-SPECIFIC TOXICITY VALUES

Exposure Scenario	Exposure Point Concentration (EPC) (PCME LA s/cc)	Cancer			Non-Cancer		
		$TWF_{LA,cancer}$	IUR_{LA} $(PCM\ s/cc)^{-1}$	Cancer Risk	$TWF_{LA,\ non\text{-}cancer}$	RfC_{LA} (PCM s/cc)	Non-Cancer HQ
City Workers, Outdoor Air							
Mowing	4.4E-04	0.0032	0.17	2E-07	0.0037	0.00002	0.08
Weed Trimming	0	0.00053	0.17	0E+00	0.00062	0.00002	0
Search and Rescue Workers/Volunteers, Indoor Air							
Office	3.3E-04	0.038	0.17	2E-06	0.045	0.00002	0.7
Garage	2.2E-04	0.038	0.17	1E-06	0.045	0.00002	0.5
Recreational Visitors, Outdoor Air							
Recreational Visitor	4.4E-04	0.0163	0.17	1E-06	0.0190	0.00002	0.4

$(s/cc)^{-1}$ = risk per structures per cubic centimeter
EPC = exposure point concentration
HQ = hazard quotient
IUR = inhalation unit risk
LA = Libby amphibole asbestos
PCM = phase contrast microscopy
PCME = phase contrast microscopy equivalent
RfC = reference concentration
RME = Reasonable maximum exposure
s/cc = structures per cubic centimeter
TWF = time-weighting factor

TABLE 4-7
ESTIMATED RISKS FROM WEED TRIMMING EXPOSURES IN OU1
BASED ON UPPER-BOUND EPCS

Panel A: Based on IRIS Toxicity Values

Scenario	Upper-Bound EPC (PCME LA s/cc)[a]	Cancer		
		TWF	IURa,d (PCM s/cc)$^{-1}$	Cancer Risk
Weed Trimming	< 0.011	0.0015	0.075	< 1E-06

Panel B: Based on LA-specific Toxicity Values

Scenario	Upper-Bound EPC (PCME LA s/cc)[a]	Cancer			Non-Cancer		
		$TWF_{LA, cancer}$	IUR_{LA} (PCM s/cc)$^{-1}$	Cancer Risk	$TWF_{LA, non-cancer}$	RfC_{LA} (PCM s/cc)	Non-Cancer HQ
Weed Trimming	< 0.011	0.0005	0.17	< 1E-06	0.00062	0.00002	< 0.4

[a] Upper-bound EPC is equal the mean achieved analytical sensitivity.

(s/cc)$^{-1}$ = risk per structures per cubic centimeter
EPC = exposure point concentration
HQ = hazard quotient
IUR = inhalation unit risk
LA = Libby amphibole asbestos
PCM = phase contrast microscopy
PCME = phase contrast microscopy equivalent
RfC = reference concentration
s/cc = structures per cubic centimeter
TWF = time-weighting factor

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Figures

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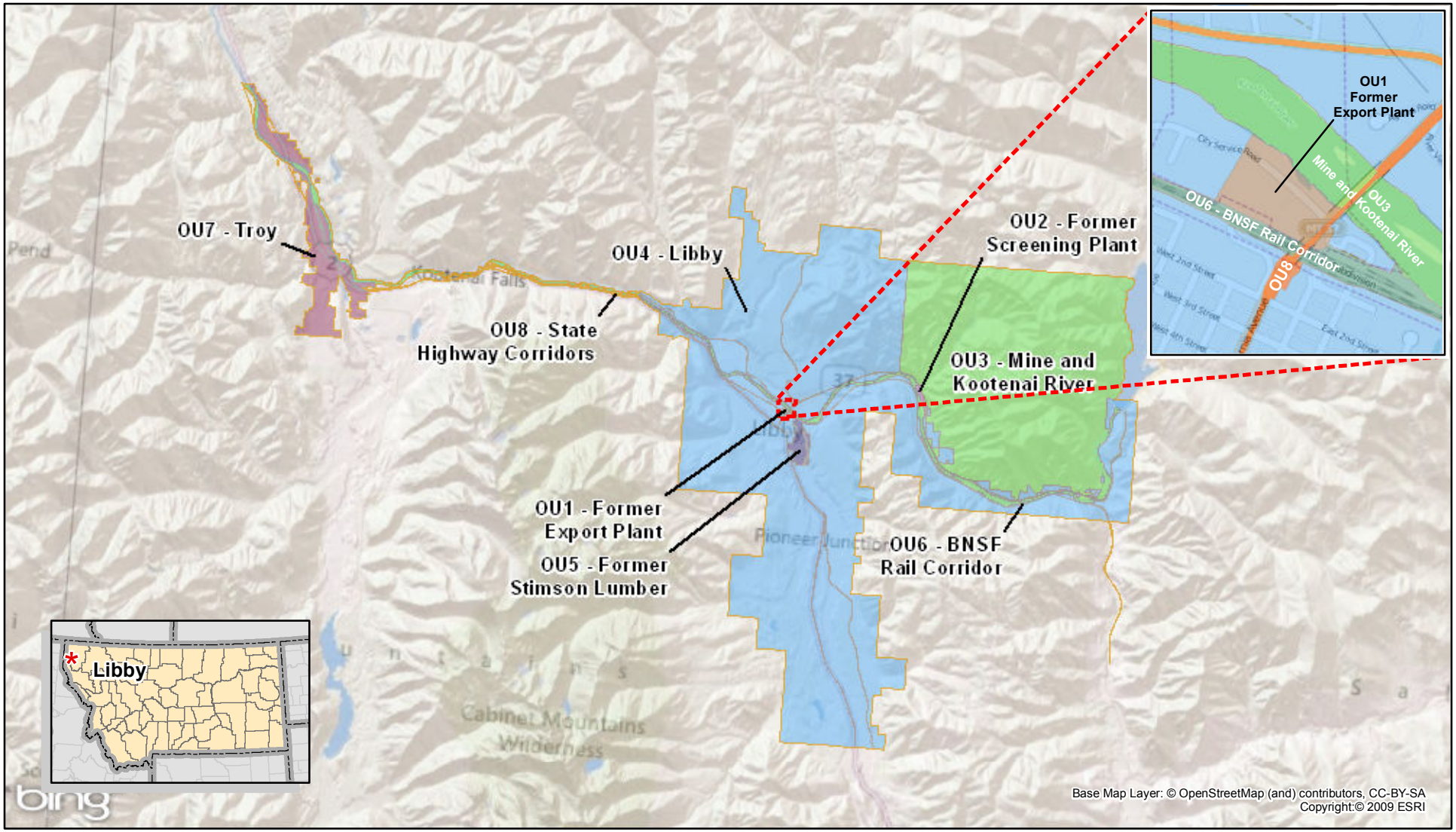


Legend

N

0 2.5 5 10
Miles
1 inch = 5 miles

- NPL Boundary
- OU1 - Former Export Plant
- OU2 - Former Screening Plant
- OU3 - (Study Area) Mine and Kootenai River
- OU4 - Libby
- OU5 - Former Stimson Lumber
- OU6 - BNSF Rail Corridor
- OU7 - Troy
- OU8 - State Highway Corridors

Figure 1-1
Operable Units
Libby Asbestos Superfund Site
Lincoln County, Montana

CDM Smith

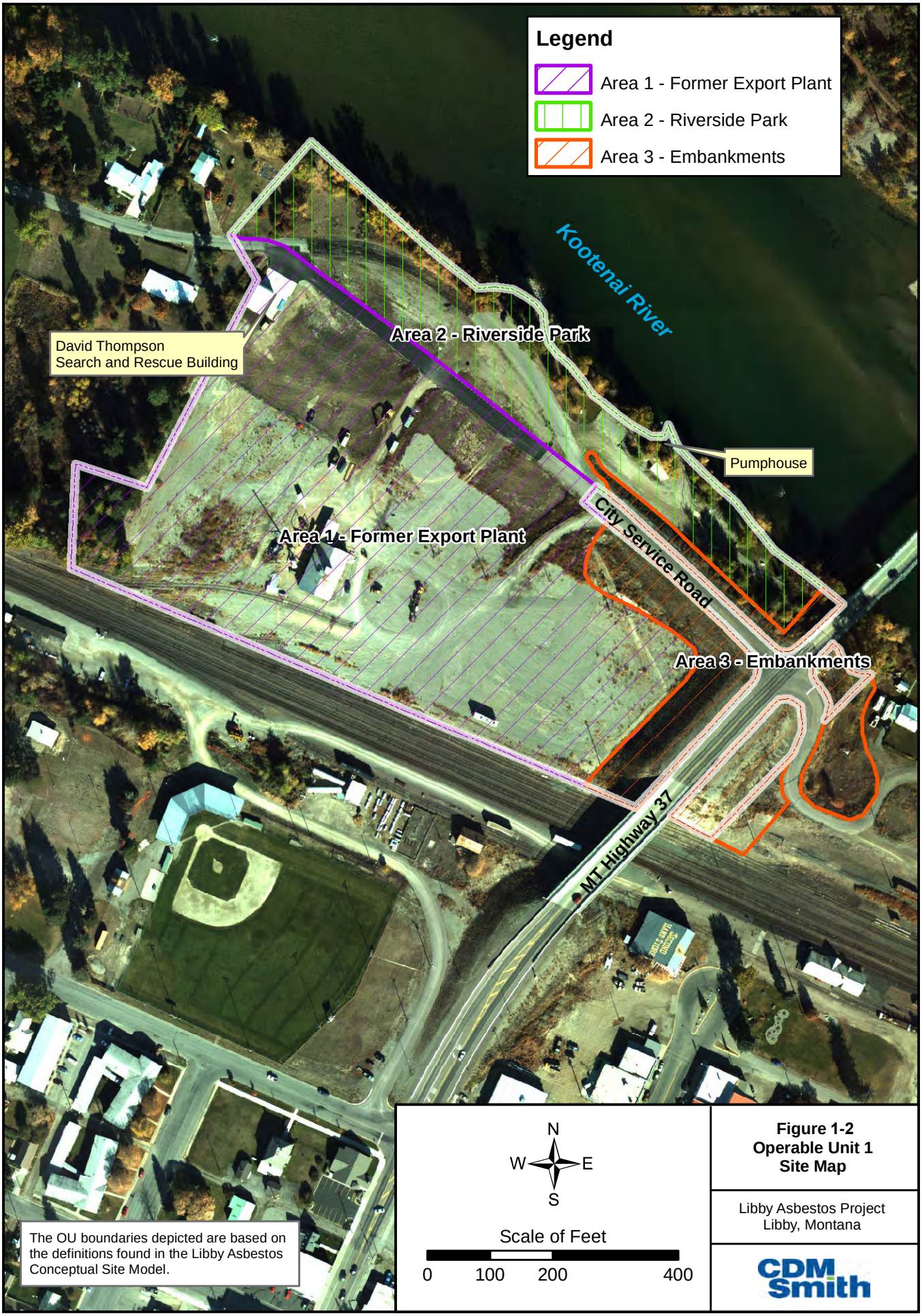


Figure 1-2
Operable Unit 1
Site Map

Libby Asbestos Project
Libby, Montana

CDM Smith

Figure 1-3 Photograph of Grading for Park Development

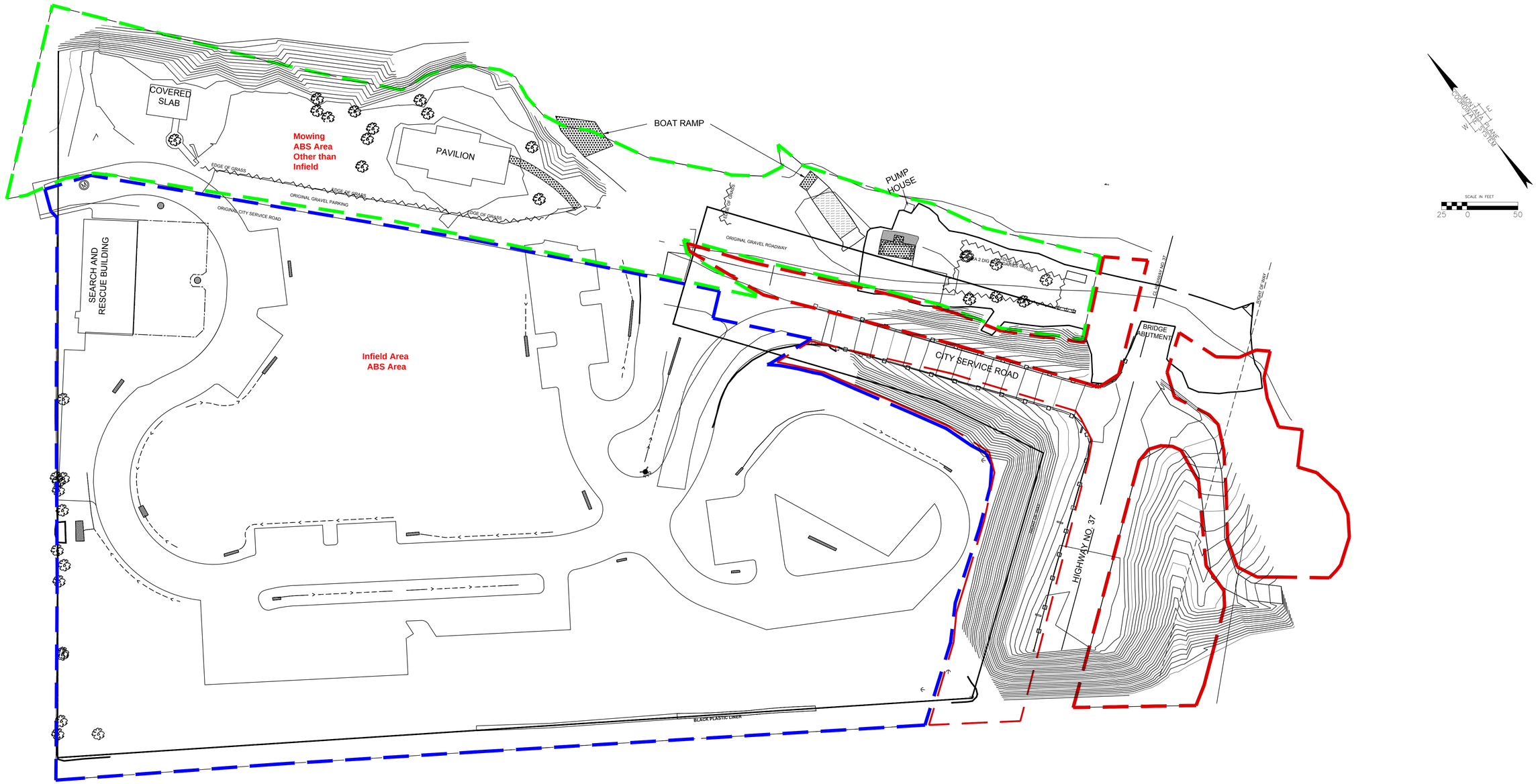
Figure 1-4 Photograph of Revetments along the Kootenai River Shoreline at OU1

SCALE IN FEET
25 0 50

LOCATION OF RESIDUAL CONTAMINATION AT DEPTH AT OU1

FIGURE 1-5
LIBBY ASBESTOS SUPER FUND SITE
LINCOLN COUNTY, MONTANA

CDM Smith
CDM Federal Programs
60 Port Boulevard
Libby, MT 59923
Tel: (406) 293-8595



LEGEND

- AREA 1 - FORMER EXPORT PLANT
- AREA 2 - FORMER RIVERSIDE PARK
- AREA 3 - EMBANKMENTS

SCALE IN FEET
25 0 50

FIGURE 2-1
OU1 ABS SAMPLING AREAS
LIBBY ASBESTOS SUPER FUND SITE
LINCOLN COUNTY, MONTANA

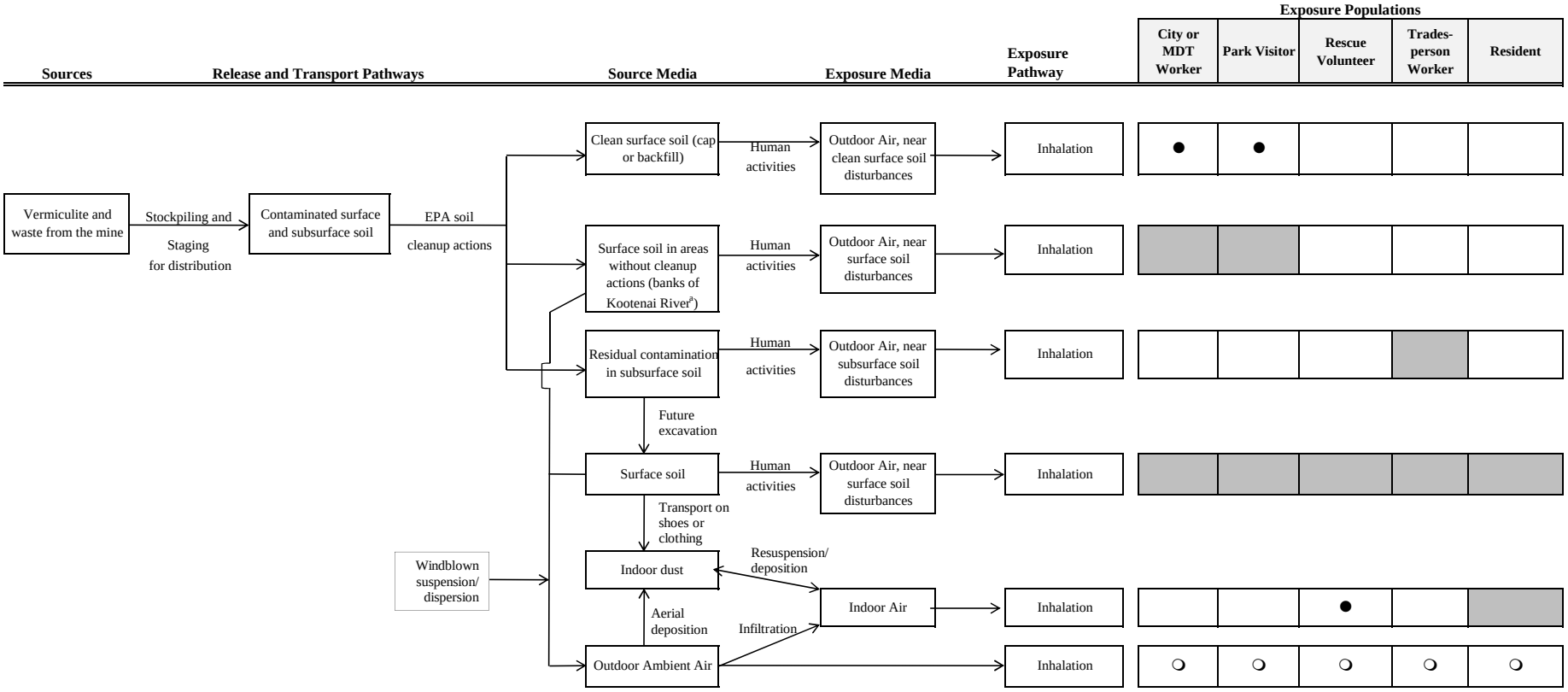
CDM Smith
CDM Federal Programs
60 Port Boulevard
Libby, MT 59923
Tel: (406) 293-8595

Figure 2-2 Photographs of Areas (Other than Infield) Mowed During the 2013 ABS Investigation

Not Mowed:

Mowed:

FIGURE 4-1
CONCEPTUAL SITE MODEL FOR CURRENT AND FUTURE INHALATION EXPOSURES TO ASBESTOS AT OU1
Libby Asbestos Superfund Site, Operable Unit 1



KEY:

●	Exposure pathway is complete and will be evaluated quantitatively in the interim HHRA.
	Exposure pathway could become complete (if excavation uncovers subsurface soils with residual contamination); not evaluated quantitatively in the interim HHRA.
❍	Exposure pathway may be complete, but expected to be minor; not evaluated quantitatively in the interim HHRA.
	Exposure pathway is not complete or negligible.

[a] The shoreline has been covered with rip-rap and significant damage to this cover would be necessary to bring covered materials to the surface

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Appendices

Appendix A
Field Documentation

Interim Post-Construction Human Health Risk Assessment
Operable Unit 1
Libby Asbestos Superfund Site
December 2014

Event ID RP-062013

Libby Personal Air Sample
Field Sample Data Sheet

FSDS # **PA - 101505**

Address 303 W THOMAS ST

Date 7/9/13

Property ID: AD-000062 Logbook # 101437 Pgs 4-6 Sampler(s)** J. Peltier, E. Kulkusky J. Proulx

	Data Item	1	2	3
*	**Location ID** *(To assign NEW locations - complete location section on Soil & Location FSDS)*	AD-000062		
*	**Sample ID**	**RP- 00004**		
*	**ABS**	N Y	N Y	N Y
*	**Sample Venue**	Indoor Outdoor Both NA	Indoor Outdoor Both NA	Indoor Outdoor Both NA
*	**Sample PrePostClear**	NA Pre Post	NA Pre Post	NA Pre Post
*	**Sample Type**	FS FB LB DB Other____	FS FB LB DB Other____	FS FB LB DB Other____
	Sample Parent ID *(HV Parent ID = LV Sample ID)*	~~RR~~ RP-00003		
*	**Sample Location Description**	NA		
*	**Personnel Information:** ID 50632 Name ~~Ed~~ E. Kulkusky Task Mowing - infield			
*	**Sample Air Type**	NA PA-EXC PA-TWA PA-ABS	~~NA PA-EXC PA-TWA PA-ABS~~	~~NA PA-EXC PA-TWA PA-ABS~~
*	**Sample Air Volume Type** *(if both HV & LV are collected)*	NA LV HV	NA LV ~~HV~~	NA LV HV
*	**Flow Meter Type**	NA Rotameter DryCal	~~NA Rotameter DryCal~~	NA Rotameter DryCal
*	**Cassette Lot No** 28321 **Flow Meter ID** 120170-2	*(For Blanks "Z" through "Pump ID" to "Sample Air Stop Flow" then circle NA for "Pump Fault" & enter 0 for "Sample Total Time")*		
*	**Pump ID**	FJL15P-00049 →		
*	**Sample Air Start Date**	7/9/13 →		
*	**Sample Air Start Time**	1201 1230 1300	1342 1425 1454	
*	**Sample Air Start Flow (L/min)**	5.02 5.02 5.02	5.02 5.02 5.02	
*	**Sample Air Stop Date**	7/9/13 →		
*	**Sample Air Stop Time**	1221 1250 1320	1402 1445 1514	
*	**Sample Air Stop Flow (L/min)**	5.02 5.02 5.02	5.02 5.02 5.02	
*	**Pump Fault**	No NA Yes	No NA Yes	No NA Yes
	Sample Total Time (min)	120	–	
	Sample Quantity (L)	602	–	
	Sample Field Comments	VegetaTiVE CONDITION = POOR		
	Archive?	Yes No	Yes No	Yes No

V120120 ***Required Field** **List company after Sampler(s) if not "CDM Smith" Filter Diameter = 25mm; Pore Size=.8µ

For Field Team Completion: Completed by: QC by: For Data Entry: Entered by: QC by:

Event ID RP-062013

Libby Personal Air Sample
Field Sample Data Sheet

FSDS # **PA - 101507**

Address 303 W THOMAS ST

Date 7/9/13

Property ID: AD-000062 Logbook # 161437 Pgs 4-6 Sampler(s)** J. Petter, E. Kulkusky, J. Prowse

	Data Item	1	2	3
*	**Location ID** *(To assign NEW locations - complete location section on Soil & Location FSDS)*	AD-000062		
*	**Sample ID**	RP- 00003		
*	**ABS**	N (Y)	N Y	N Y
*	**Sample Venue**	Indoor (Outdoor) Both NA	Indoor Outdoor Both NA	Indoor Outdoor Both NA
*	**Sample PrePostClear**	(NA) Pre Post	NA Pre Post	NA Pre Post
*	**Sample Type**	(FS) FB LB DB Other____	FS FB LB DB Other____	FS FB LB DB Other____
	Sample Parent ID *(HV Parent ID = LV Sample ID)*			
*	**Sample Location Description**	NA		
*	**Personnel Information:** ID 50032 Name E. Kulkusky Task Mowing - infield			
*	**Sample Air Type**	NA PA-EXC PA-TWA (PA-ABS)	~~NA PA-EXC PA-TWA PA-ABS~~	~~NA PA-EXC PA-TWA PA-ABS~~
*	**Sample Air Volume Type** *(if both HV & LV are collected)*	NA (LV) HV	NA LV HV	NA LV HV
*	**Flow Meter Type**	NA (Rotameter) DryCal	NA ~~Rotameter~~ DryCal	NA ~~Rotameter~~ ~~DryCal~~
*	**Cassette Lot No** 28321 **Flow Meter ID** 120170-2	*(For Blanks "Z" through "Pump ID" to "Sample Air Stop Flow" then circle NA for "Pump Fault" & enter 0 for "Sample Total Time")*		
*	**Pump ID**	PA-009 →		
*	**Sample Air Start Date**	7/9/13 →		
*	**Sample Air Start Time**	1105 1230 1300	~~1445~~ 1312 1425 1454	
*	**Sample Air Start Flow (L/min)**	2.14 2.14 2.14	2.14 2.14 2.14	
*	**Sample Air Stop Date**	7/9/13 →		
*	**Sample Air Stop Time**	1125 1250 1320	1402 1445 1514	
*	**Sample Air Stop Flow (L/min)**	2.14 2.14 2.14	2.14 ~~5.62~~ 2.14	
*	**Pump Fault**	(No) NA Yes	(No) NA Yes	No NA Yes
	Sample Total Time (min)	120	—	
	Sample Quantity (L)	257	—	
	Sample Field Comments	7/10/13	VEGETATIVE CONDITION = POOR	
	Archive?	(Yes) No	Yes No	Yes No

V120120 ***Required Field** **List company after Sampler(s) if not "CDM Smith" Filter Diameter = 25mm; Pore Size=.8µ

For Field Team Completion: Completed by: [illegible] QC by: [illegible] | For Data Entry: Entered by: [illegible] QC by: [illegible]

23958

Event ID RP-062013

Libby Personal Air Sample
Field Sample Data Sheet

FSDS # **PA - 101509**

Address 303 W Thomas St

Date 7/9/13

Property ID: AD-000062 Logbook # 101437 Pgs 4-6 Sampler(s) J. Pettier, J. Proulx, E. Kirkusky

	Data Item	1	2	3
*	**Location ID** *(To assign NEW locations - complete location section on Soil & Location FSDS)*	AD-000062 →	→	→
*	**Sample ID**	**RP- 00006**	**RP- 00007**	
*	**ABS**	N (Y)	N (Y)	N Y
*	**Sample Venue**	Indoor (Outdoor) Both NA	Indoor (Outdoor) Both NA	Indoor Outdoor Both NA
*	**Sample PrePostClear**	(NA) Pre Post	(NA) Pre Post	NA Pre Post
*	**Sample Type**	(FS) FB LB DB Other____	(FS) FB LB DB Other____	FS FB LB DB Other____
	Sample Parent ID *(HV Parent ID = LV Sample ID)*	RP-00007	~~RP-00006~~ 7/10/13	
*	**Sample Location Description**	NA	NA	
*	**Personnel Information:** ID 98359 Name J. Proulx	Task Weed trimming		
*	**Sample Air Type**	NA PA-EXC PA-TWA (PA-ABS)	NA PA-EXC PA-TWA (PA-ABS)	NA PA-EXC PA-TWA PA-ABS
*	**Sample Air Volume Type** *(if both HV & LV are collected)*	NA LV (HV)	NA (LV) HV	NA LV HV
*	**Flow Meter Type**	NA (Rotameter) DryCal	NA (Rotameter) DryCal	NA Rotameter DryCal
*	**Cassette Lot No** 28321 **Flow Meter ID** 120170-2	*(For Blanks "Z" through "Pump ID" to "Sample Air Stop Flow" then circle NA for "Pump Fault" & enter 0 for "Sample Total Time")*		
*	**Pump ID**	FJL15P-00041	PA-004	
*	**Sample Air Start Date**	7/9/13 →		
*	**Sample Air Start Time**	1425 1454 1546	1425 1454 1546	
*	**Sample Air Start Flow (L/min)**	5.02 5.02 5.02	2.14 2.14 ~~5.02~~ 2.14	
*	**Sample Air Stop Date**	7/9/13 →	7/10/13	
*	**Sample Air Stop Time**	1445 1514 1607	1445 1514 1607	
*	**Sample Air Stop Flow (L/min)**	5.02 5.02 5.02	2.14 2.14 ~~5.02~~ 2.14	
*	**Pump Fault**	(No) NA Yes	(No) NA Yes	No NA Yes
	Sample Total Time (min)	61	61	
	Sample Quantity (L)	306	131	
	Sample Field Comments	Vegetative condition = Poor →	→ 7/10/13	→
	Archive?	Yes No	(Yes) No	Yes No

V120120 ***Required Field** **List company after Sampler(s) if not "CDM Smith" Filter Diameter = 25mm; Pore Size=.8µ

For Field Team Completion: Completed by: [illegible] QC by: [illegible] | For Data Entry: Entered by: [illegible] QC by: [illegible]

Event ID RP-062013

Libby Personal Air Sample
Field Sample Data Sheet

FSDS # **PA - 101510**

Address 303 W Thomas St

Date 7/9/13

Property ID: AD-000062 Logbook # 101437 Pgs 4-6 Sampler(s) J. Pelter, E Kulkusky, J. Prado

	Data Item	1	2	3
*	**Location ID** *(To assign NEW locations - complete location section on Soil & Location FSDS)*	AD-000062 →		
*	**Sample ID**	**RP- 00009**	**RP- 00010**	
*	**ABS**	N (Y)	N (Y)	N Y
*	**Sample Venue**	Indoor (Outdoor) Both NA	Indoor (Outdoor) Both NA	Indoor Outdoor Both NA
*	**Sample PrePostClear**	(NA) Pre Post	(NA) Pre Post	NA Pre Post
*	**Sample Type**	(FS) FB LB DB Other____	(FS) FB LB DB Other____	FS FB LB DB Other____
	Sample Parent ID *(HV Parent ID = LV Sample ID)*	RP-00010	~~RP-00009~~ 7/10/13	
*	**Sample Location Description**	NA	NA	
*	**Personnel Information:** ID 50632 Name E. Kulkusky Task Mowing areas other than infield			
*	**Sample Air Type**	NA PA-EXC PA-TWA (PA-ABS)	NA PA-EXC PA-TWA (PA-ABS)	~~NA PA-EXC PA-TWA PA-ABS~~
*	**Sample Air Volume Type** *(if both HV & LV are collected)*	NA LV (HV)	NA (LV) HV	NA LV HV
*	**Flow Meter Type**	NA (Rotameter) DryCal	NA (Rotameter) DryCal	NA Rotameter DryCal
*	**Cassette Lot No** 28321 **Flow Meter ID** 120170-2	*(For Blanks "Z" through "Pump ID" to "Sample Air Stop Flow" then circle NA for "Pump Fault" & enter 0 for "Sample Total Time")*		
*	**Pump ID**	FJL15P-00049	PA-009	
*	**Sample Air Start Date**	7/9/13 →		
*	**Sample Air Start Time**	1546 1608 1642	1546 1608 1642	
*	**Sample Air Start Flow (L/min)**	5.02 5.02 5.02	2.14 2.14 2.14	
*	**Sample Air Stop Date**	7/9/13 →		
*	**Sample Air Stop Time**	1606 1628 1702	1606 1628 1702	
*	**Sample Air Stop Flow (L/min)**	5.02 5.02 ~~5.02~~ 2.02	2.14 2.14 2.14	
*	**Pump Fault**	(No) NA Yes	(No) NA Yes	No NA Yes
	Sample Total Time (min)	60	60	
	Sample Quantity (L)	301	128	
	Sample Field Comments	VEGETATIVE CONDITION = GOOD →	7/10/13	
	Archive?	Yes No	(Yes) No	Yes No

V120120 ***Required Field** **List company after Sampler(s) if not "CDM Smith" Filter Diameter = 25mm; Pore Size=.8µ

For Field Team Completion: Completed by: JP QC by: EK | For Data Entry: Entered by: JP QC by: JP

Event ID RP-062013

Libby Personal Air Sample
Field Sample Data Sheet

FSDS # **PA - 101573**

Address 303 W. THOMAS ST

Date 7/23/13

Property ID: AD-000062 Logbook # 101437 Pgs 7-9 Sampler(s)** E. KULKUSKY C. WILLIAMSON

	Data Item	1	2	3
*	**Location ID** *(To assign NEW locations - complete location section on Soil & Location FSDS)*	AD-000062	AD-000062	
*	**Sample ID**	**RP- 00011**	**RP- 00012**	
*	**ABS**	N (Y)	N (Y)	N Y
*	**Sample Venue**	Indoor Outdoor Both (NA)	Indoor (Outdoor) Both NA	Indoor Outdoor Both NA
*	**Sample PrePostClear**	(NA) Pre Post	(NA) Pre Post	NA Pre Post
*	**Sample Type**	FS (FB) LB DB Other____	(FS) FB LB DB Other____	FS FB LB DB Other____
	Sample Parent ID *(HV Parent ID = LV Sample ID)*		RP-00013	
*	**Sample Location Description** ~~7/5/13~~	~~FIELD~~ BLANK	NA	
*	**Personnel Information:** ID 10617 Name C. WILLIAMSON Task MDWING-INFIELD			
*	**Sample Air Type**	(NA) PA-EXC PA-TWA PA-ABS	NA PA-EXC PA-TWA (PA-ABS)	~~NA PA-EXC PA-TWA PA-ABS~~
*	**Sample Air Volume Type** *(if both HV & LV are collected)*	(NA) LV HV	NA LV (HV)	NA LV HV
*	**Flow Meter Type**	(NA) Rotameter DryCal	NA (Rotameter) DryCal	~~NA Rotameter DryCal~~
*	**Cassette Lot No** 28321 **Flow Meter ID** 120170-2		*(For Blanks "Z" through "Pump ID" to "Sample Air Stop Flow" then circle NA for "Pump Fault" & enter 0 for "Sample Total Time")*	
*	**Pump ID**		FSL15P-00043	
*	**Sample Air Start Date**		07/23/13	
*	**Sample Air Start Time**		0725 0755 0825 0905	
*	**Sample Air Start Flow** (L/min)		EK 5.23 ~~5.23~~ 7/23/13 5.23 5.02 5.02	
*	**Sample Air Stop Date**		07/23/13	
*	**Sample Air Stop Time**		0755 0825 0855 0935	
*	**Sample Air Stop Flow** (L/min)		5.23 5.02 5.02 5.02	
*	**Pump Fault**	No (NA) Yes	(No) NA Yes	(No) NA Yes
	Sample Total Time (min)	0	120	
	Sample Quantity (L)	0	6.12	
	Sample Field Comments	~~7/25/13~~	Vegetative CONDITION = POOR	
	Archive?	Yes (No)	Yes No	Yes No

V120120 *Required Field **List company after Sampler(s) if not "CDM Smith" Filter Diameter = 25mm; Pore Size=.8µ

For Field Team Completion: Completed by: EK QC by: CW | For Data Entry: Entered by: QC by:

24074

Event ID RP-062013

Libby Personal Air Sample
Field Sample Data Sheet

FSDS # PA - 101574

Address 303 W. THOMAS ST

Date 7/23/13

Property ID: AD-000062 Logbook # 101437 Pgs 7-9 Sampler(s)** E. KULKUSKY C. WILLIAMSON

	Data Item	1			2			3		
*	**Location ID** *(To assign NEW locations - complete location section on Soil & Location FSDS)*	AD-000062								
*	**Sample ID**	**RP- 00013**								
*	**ABS**	N	(Y)		N	Y		N	Y	
*	**Sample Venue**	Indoor	(Outdoor)	Both NA	Indoor	Outdoor	Both NA	Indoor	Outdoor	Both NA
*	**Sample PrePostClear**	(NA)	Pre	Post	NA	Pre	Post	NA	Pre	Post
*	**Sample Type**	(FS) FB	LB	DB Other___	FS FB	LB	DB Other___	FS FB	LB	DB Other___
	Sample Parent ID *(HV Parent ID = LV Sample ID)*									
*	**Sample Location Description**	NA								
*	**Personnel Information:** ID 104617 Name C. WILLIAMSON Task MOWING - INFIELD									
*	**Sample Air Type**	NA	PA-EXC	PA-TWA (PA-ABS)	~~NA~~	~~PA-EXC~~	~~PA-TWA~~ ~~PA-ABS~~	~~NA~~	~~PA-EXC~~	~~PA-TWA~~ ~~PA-ABS~~
*	**Sample Air Volume Type** *(if both HV & LV are collected)*	NA	(LV)	HV	NA	LV	HV	NA	LV	HV
*	**Flow Meter Type**	NA	(Rotameter)	DryCal	~~NA~~	~~Rotameter~~	~~DryCal~~	~~NA~~	~~Rotameter~~	~~DryCal~~
*	**Cassette Lot No** 28321 **Flow Meter ID** 120170-2									
*	**Pump ID**	PA-001								
*	**Sample Air Start Date**	07/23/13								
*	**Sample Air Start Time**	0725	0755	0825	0905					
*	**Sample Air Start Flow** (L/min)	2.14	2.14	2.14	2.14					
*	**Sample Air Stop Date**	07/23/13								
*	**Sample Air Stop Time**	0755	0825	0855	0935					
*	**Sample Air Stop Flow** (L/min)	2.14	2.14	2.14	2.14					
*	**Pump Fault**	(No)	NA	Yes	(No)	NA	Yes	No	NA	Yes
	Sample Total Time (min)	120								
	Sample Quantity (L)	257								
	Sample Field Comments	VEGETATIVE CONDITION: POOR								
	Archive?	(Yes)	No		Yes	No		Yes	No	

(For Blanks "Z" through "Pump ID" to "Sample Air Stop Flow" then circle NA for "Pump Fault" & enter 0 for "Sample Total Time")

V120120 *Required Field **List company after Sampler(s) if not "CDM Smith" Filter Diameter = 25mm; Pore Size=.8µ

For Field Team Completion: Completed by: EK QC by: CW | For Data Entry: Entered by: QC by:

Event ID RP-~~0602~~ 06201 3 EK 7/23/13

Libby Personal Air Sample
Field Sample Data Sheet

FSDS # **PA - 101575**

Address 303 W. Thomas ST

Date 7/23/13

Property ID: AD- 000062 Logbook # 10/437 Pgs 7-9 Sampler(s)** E. Kulkusky C. Williamson

	Data Item	1	2	3
*	**Location ID** *(To assign NEW locations - complete location section on Soil & Location FSDS)*	AD-000062 →		
*	**Sample ID**	**RP- 00014**	**RP- 00015**	
*	**ABS**	N (Y)	N (Y)	N Y
*	**Sample Venue**	Indoor (Outdoor) Both NA	Indoor (Outdoor) Both NA	Indoor Outdoor Both NA
*	**Sample PrePostClear**	(NA) Pre Post	(NA) Pre Post	NA Pre Post
*	**Sample Type**	(FS) FB LB DB Other___	(FS) FB LB DB Other___	FS FB LB DB Other___
	Sample Parent ID *(HV Parent ID = LV Sample ID)*		RP-00014	
*	**Sample Location Description**	NA	NA	
*	**Personnel Information:** ID 50632 Name E. Kulkusky	Task MOWING-AREAS OTHER THAN INFIELD		
*	**Sample Air Type**	NA PA-EXC PA-TWA (PA-ABS)	NA PA-EXC PA-TWA (PA-ABS)	~~NA PA-EXC PA-TWA PA-ABS~~
*	**Sample Air Volume Type** *(if both HV & LV are collected)*	NA (LV) HV	NA LV (HV)	NA LV HV
*	**Flow Meter Type**	NA (Rotameter) DryCal	NA (Rotameter) DryCal	~~NA Rotameter DryCal~~
*	**Cassette Lot No** 28321 **Flow Meter ID** 120170-2	*(For Blanks "Z" through "Pump ID" to "Sample Air Stop Flow" then circle NA for "Pump Fault" & enter 0 for "Sample Total Time")*		
*	**Pump ID**	PA-001	FJ215P-00043	
*	**Sample Air Start Date**	07/23/13	07/23/13	
*	**Sample Air Start Time**	0955 1025	0955 1025	
*	**Sample Air Start Flow (L/min)**	2.14 2.14	5.02 5.02	
*	**Sample Air Stop Date**	07/23/13	07/23/13	
*	**Sample Air Stop Time**	1025 1055	1025 1055	
*	**Sample Air Stop Flow (L/min)**	2.14 2.14	5.02 5.02	
*	**Pump Fault**	(No) NA Yes	(No) NA Yes	No NA Yes
	Sample Total Time (min)	60	60	
	Sample Quantity (L)	128	301	
	Sample Field Comments	Vegetative condition: Good →		
	Archive?	7/25/13 (Yes) No	Yes No	Yes No

V120120 *Required Field **List company after Sampler(s) if not "CDM Smith" Filter Diameter = 25mm; Pore Size=.8µ

For Field Team Completion: Completed by: EK QC by: CW | For Data Entry: Entered by: QC by:

Event ID RP-062013

Libby Personal Air Sample
Field Sample Data Sheet

FSDS # **PA - 101576**

Address 303 W. Thomas ST

Date 7/23/13

Property ID: AD-000062 Logbook # 101437 Pgs 7-9 Sampler(s)** E. Kulkusky C. Williamson

	Data Item	1	2	3
*	**Location ID** *(To assign NEW locations - complete location section on Soil & Location FSDS)*	AD-000062 →		
*	**Sample ID**	**RP- 00016**	**RP- 00017**	
*	**ABS**	N (Y)	N (Y)	N Y
*	**Sample Venue**	Indoor (Outdoor) Both NA	Indoor (Outdoor) Both NA	Indoor Outdoor Both NA
*	**Sample PrePostClear**	(NA) Pre Post	(NA) Pre Post	NA Pre Post
*	**Sample Type**	(FS) FB LB DB Other____	(FS) FB LB DB Other____	FS FB LB DB Other____
	Sample Parent ID *(HV Parent ID = LV Sample ID)*		RP-00016	
*	**Sample Location Description**	NA	NA	
*	**Personnel Information:** ID 50632 Name E. Kulkusky Task Weed Trimming			
*	**Sample Air Type**	NA PA-EXC PA-TWA (PA-ABS)	NA PA-EXC PA-TWA (PA-ABS)	~~NA PA-EXC PA-TWA PA-ABS~~
*	**Sample Air Volume Type** *(if both HV & LV are collected)*	NA (LV) HV	NA LV (HV)	NA LV HV
*	**Flow Meter Type**	NA (Rotameter) DryCal	NA (Rotameter) DryCal	~~NA Rotameter DryCal~~
*	**Cassette Lot No** 28321 **Flow Meter ID** 120170-2			*(For Blanks "Z" through "Pump ID" to "Sample Air Stop Flow" then circle NA for "Pump Fault" & enter 0 for "Sample Total Time")*
*	**Pump ID**	PA-001	FJ2 BP-00043	
*	**Sample Air Start Date**	07/23/13	07/23/13	
*	**Sample Air Start Time**	1100 1130	1100 ~~1130~~ 1130	
*	**Sample Air Start Flow (L/min)**	2.14 2.14	5.02 5.02	
*	**Sample Air Stop Date**	07/23/13	07/23/13	
*	**Sample Air Stop Time**	1130 1200	1130 1200	
*	**Sample Air Stop Flow (L/min)**	2.14 2.14	5.02 5.02	
*	**Pump Fault**	(No) NA Yes	(No) NA Yes	No NA Yes
	Sample Total Time (min)	60	60	
	Sample Quantity (L)	128	301	
	Sample Field Comments	Vegetative Condition: Good →		
	Archive?	(Yes) No	Yes No	Yes No

V120120 *Required Field **List company after Sampler(s) if not "CDM Smith" Filter Diameter = 25mm; Pore Size=.8µ

For Field Team Completion: Completed by: EK QC by: CW | For Data Entry: Entered by: QC by:

Event ID RP-062013

Libby Personal Air Sample
Field Sample Data Sheet

FSDS # **PA - 101577**

Address 303 W. THOMAS ST

Date 9/12/13

Property ID: AD-000062 Logbook # 101437 Pgs 10-12 Sampler(s)** E. KULKUSKY, C. WILLIAMSON

	Data Item	1	2	3
*	**Location ID** *(To assign NEW locations - complete location section on Soil & Location FSDS)*	AD-000062	AD-000062	
*	**Sample ID**	**RP- 00018**	**RP- 00019**	
*	**ABS**	N (Y)	N (Y)	N Y
*	**Sample Venue**	Indoor Outdoor Both (NA)	Indoor (Outdoor) Both NA	Indoor Outdoor Both NA
*	**Sample PrePostClear**	(NA) Pre Post	(NA) Pre Post	NA Pre Post
*	**Sample Type**	FS (FB) LB DB Other____	(FS) FB LB DB Other____	FS FB LB DB Other____
	Sample Parent ID *(HV Parent ID = LV Sample ID)*			
*	**Sample Location Description**	~~Field~~ BLANK	NA	
*	**Personnel Information:** ID 104617 Name C. WILLIAMSON Task MOWING - IN FIELD			
*	**Sample Air Type**	(NA) PA-EXC PA-TWA PA-ABS	NA PA-EXC PA-TWA (PA-ABS)	~~NA PA-EXC PA-TWA PA-ABS~~
*	**Sample Air Volume Type** *(if both HV & LV are collected)*	(NA) LV HV	NA (LV) HV	NA LV HV
*	**Flow Meter Type**	(NA) Rotameter DryCal	NA (Rotameter) DryCal	~~NA Rotameter DryCal~~
*	**Cassette Lot No** 26638 **Flow Meter ID** 120170-2		*(For Blanks "Z" through "Pump ID" to "Sample Air Stop Flow" then circle NA for "Pump Fault" & enter 0 for "Sample Total Time")*	
*	**Pump ID**		PA-001	
*	**Sample Air Start Date**		9/12/13	
*	**Sample Air Start Time**		0822 0852 0922 0952	
*	**Sample Air Start Flow** (L/min)		2.14 2.14 2.14 2.14	
*	**Sample Air Stop Date**		9/12/13	
*	**Sample Air Stop Time**		0852 0922 0952 1022	
*	**Sample Air Stop Flow** (L/min)		2.14 2.14 2.14 2.14	
*	**Pump Fault**	No (NA) Yes	No NA Yes	No NA Y
	Sample Total Time (min)	0	120	
	Sample Quantity (L)	0	257	
	Sample Field Comments		VEGETATIVE CONDITION = GOOD	
	Archive?	(Yes) No	(Yes) No	Yes No

V120120 *Required Field **List company after Sampler(s) if not "CDM Smith" Filter Diameter = 25mm; Pore Size=.8µ

For Field Team Completion: Completed by: ER QC by: CW | For Data Entry: Entered by: RJW QC by: TJ

24420

Event ID RP-062013

Libby Personal Air Sample
Field Sample Data Sheet

FSDS # **PA - 101578**

Address 303 W. THOMAS ST

Date 9/12/13

Property ID: AD-000062 Logbook # 101437 Pgs 10-12 Sampler(s)** E. KULKOSKY C. WILLIAMSON

	Data Item	1	2	3
*	**Location ID** *(To assign NEW locations - complete location section on Soil & Location FSDS)*	AD-000062		
*	**Sample ID**	**RP- 00020**		
*	**ABS**	N (Y)	N Y	N Y
*	**Sample Venue**	Indoor (Outdoor) Both NA	Indoor Outdoor Both NA	Indoor Outdoor Both NA
*	**Sample PrePostClear**	(NA) Pre Post	NA Pre Post	NA Pre Post
*	**Sample Type**	(FS) FB LB DB Other___	FS FB LB DB Other___	FS FB LB DB Other___
	Sample Parent ID *(HV Parent ID = LV Sample ID)*	RP-00019		
*	**Sample Location Description**	NA		
*	**Personnel Information:** ID 104617 Name C. WILLIAMSON Task MOWING-INFIELD			
*	**Sample Air Type**	NA PA-EXC PA-TWA (PA-ABS)	~~NA PA-EXC PA-TWA PA-ABS~~	~~NA PA-EXC PA-TWA PA-ABS~~
*	**Sample Air Volume Type** *(if both HV & LV are collected)*	NA LV (HV)	NA LV HV	NA LV HV
*	**Flow Meter Type**	NA (Rotameter) DryCal	~~NA~~ Rotameter DryCal	NA ~~Rotameter~~ DryCal
*	**Cassette Lot No** 26638 **Flow Meter ID** 120170-2		*(For Blanks "Z" through "Pump ID" to "Sample Air Stop Flow" then circle NA for "Pump Fault" & enter 0 for "Sample Total Time")*	
*	**Pump ID**	FJL15P-00041		
*	**Sample Air Start Date**	9/12/13		
*	**Sample Air Start Time**	0822 0852 0922	0952	
*	**Sample Air Start Flow** (L/min)	5.43 5.43 5.43	5.43	
*	**Sample Air Stop Date**	9/12/13		
*	**Sample Air Stop Time**	0852 0922 0952	1022	
*	**Sample Air Stop Flow** (L/min)	5.43 5.43 5.43	5.43	
*	**Pump Fault**	No NA Yes	No NA Yes	No NA Yes
	Sample Total Time (min)	120		
	Sample Quantity (L)	652		
	Sample Field Comments	VEGETATIVE CONDITION-GOOD		
	Archive?	Yes No	Yes No	Yes No

V120120 *Required Field **List company after Sampler(s) if not "CDM Smith" Filter Diameter = 25mm; Pore Size=.8µ

For Field Team Completion: Completed by: EK QC by: CW | For Data Entry: Entered by: [illegible] QC by: [illegible]

Event ID RP-062013

Libby Personal Air Sample
Field Sample Data Sheet

FSDS # **PA - 101579**

Address 303 W. THOMAS ST

Date 9/12/13

Property ID: AD-000062 Logbook # 101437 Pgs 10-12 Sampler(s)** E. KULKUSKY C. WILLIAMSON

	Data Item	1	2	3
*	**Location ID** *(To assign NEW locations - complete location section on Soil & Location FSDS)*	AD-000062 →		
*	**Sample ID**	**RP- 00021**	**RP- 00022**	
*	**ABS**	N (Y)	N (Y)	N Y
*	**Sample Venue**	Indoor (Outdoor) Both NA	Indoor (Outdoor) Both NA	Indoor Outdoor Both NA
*	**Sample PrePostClear**	(NA) Pre Post	(NA) Pre Post	NA Pre Post
*	**Sample Type**	(FS) FB LB DB Other____	(FS) FB LB DB Other____	FS FB LB DB Other____
	Sample Parent ID *(HV Parent ID = LV Sample ID)*		RP-00021	
*	**Sample Location Description**	NA	NA	
*	**Personnel Information:** ID S0632 Name E. KULKUSKY	Task MOWING - AREAS OTHER THAN IN FIELD		
*	**Sample Air Type**	NA PA-EXC PA-TWA (PA-ABS)	NA PA-EXC PA-TWA (PA-ABS)	~~NA PA-EXC PA-TWA PA-ABS~~
*	**Sample Air Volume Type** *(if both HV & LV are collected)*	NA (LV) HV	NA LV (HV)	NA LV HV
*	**Flow Meter Type**	NA (Rotameter) DryCal	NA (Rotameter) DryCal	~~NA Rotameter DryCal~~
*	**Cassette Lot No** 26638 **Flow Meter ID** 120170-2			*(For Blanks "Z" through "Pump ID" to "Sample Air Stop Flow" then circle NA for "Pump Fault" & enter 0 for "Sample Total Time")*
*	**Pump ID**	PA-001	FJL15P-00041	
*	**Sample Air Start Date**	9/12/13	9/12/13	
*	**Sample Air Start Time**	1045 1115	1045 1115	
*	**Sample Air Start Flow (L/min)**	2.14 2.14	5.23 5.23	
*	**Sample Air Stop Date**	9/12/13	9/12/13	
*	**Sample Air Stop Time**	1115 1145	1115 1145	
*	**Sample Air Stop Flow (L/min)**	2.14 2.14	5.23 5.23	
*	**Pump Fault**	No NA Yes	No NA Yes	No NA Yes
	Sample Total Time (min)	60	60	
	Sample Quantity (L)	128	314	
	Sample Field Comments	VEGETATIVE CONDITION = GOOD	→	
	Archive?	Yes No	Yes No	Yes No

V120120 *Required Field **List company after Sampler(s) if not "CDM Smith" Filter Diameter = 25mm; Pore Size=.8µ

For Field Team Completion: Completed by: ER QC by: CW | For Data Entry: Entered by: QC by:

Event ID RP-062013

Libby Personal Air Sample
Field Sample Data Sheet

FSDS # **PA - 101580**

Address 303 W. THomas ST

Date 9/12/13

Property ID: AD-000062 Logbook # 101437 Pgs 10 - 12 Sampler(s)** E. KulKusky C. Williamson

	Data Item	1	2	3
*	**Location ID** *(To assign NEW locations - complete location section on Soil & Location FSDS)*	AD-000062	AD-000062	
*	**Sample ID**	**RP- 00023**	**RP- 00024**	
*	**ABS**	N (Y)	N (Y)	N Y
*	**Sample Venue**	Indoor (Outdoor) Both NA	Indoor (Outdoor) Both NA	Indoor Outdoor Both NA
*	**Sample PrePostClear**	(NA) Pre Post	(NA) Pre Post	NA Pre Post
*	**Sample Type**	(FS) FB LB DB Other____	(FS) FB LB DB Other____	FS FB LB DB Other____
	Sample Parent ID *(HV Parent ID = LV Sample ID)*		RP-00023 EK 9/12/13	
*	**Sample Location Description**	NA	NA	
*	**Personnel Information:** ID 50632 Name E. KulKusky Task WEED TRimmING			
*	**Sample Air Type**	NA PA-EXC PA-TWA (PA-ABS)	NA PA-EXC PA-TWA (PA-ABS)	~~NA PA-EXC PA-TWA PA-ABS~~
*	**Sample Air Volume Type** *(if both HV & LV are collected)*	NA (LV) HV	NA LV (HV)	NA LV HV
*	**Flow Meter Type**	NA (Rotameter) DryCal	NA (Rotameter) DryCal	~~NA Rotameter DryCal~~
*	**Cassette Lot No** 26638 **Flow Meter ID** 120170-2			*(For Blanks "Z" through "Pump ID" to "Sample Air Stop Flow" then circle NA for "Pump Fault" & enter 0 for "Sample Total Time")*
*	**Pump ID**	PA-001	FJL15P-00041	
*	**Sample Air Start Date**	9/12/13	9/12/13	
*	**Sample Air Start Time**	1158 1228	1158 1228	
*	**Sample Air Start Flow (L/min)**	2.14 2.14	5.23 5.23	
*	**Sample Air Stop Date**	9/12/13	9/12/13	
*	**Sample Air Stop Time**	1228 1258	1228 1258	
*	**Sample Air Stop Flow (L/min)**	2.14 2.14	5.23 5.23	
*	**Pump Fault**	No NA Yes	No NA Yes	No NA Yes
	Sample Total Time (min)	60	60	
	Sample Quantity (L)	128	314	
	Sample Field Comments	VegeTaTIVE CONDITION = GOOD		
	Archive?	Yes No	Yes No	Yes No

V120120 *Required Field **List company after Sampler(s) if not "CDM Smith" Filter Diameter = 25mm; Pore Size=.8µ

For Field Team Completion: Completed by: EK QC by: | For Data Entry: Entered by: | QC by:

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- Author, date & time, weather, activities, persons on team, level of PPE, title of governing document.

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ACRONYMS

EPA - U.S. ENVIRONMENTAL PROTECTION AGENCY
GPS - GLOBAL POSITIONING SYSTEM
HV - HIGH VOLUME
ID - SAMPLE IDENTIFICATION NUMBER
LV - LOW VOLUME
PPE - PERSONAL PROTECTIVE EQUIPTMENT
SAP - SAMPLING AND ANALYSIS PLAN

EPA/Libby Asbestos Project Logbook: 101437
Owner: City Of Libby Date: 7/9/13
Address: 303 W Thomas St
Author: E. Kulkusky J. Peltier Weather: Sunny
Personnel: J. Peltier (CDM Smith)
PPE: d and C Event: 1

All activities completed in accordance w/governing document
OU 1, Sampling and Analysis Plan 2013 Post-Construction Activity-based Sampling, Revision 0, June 20, 2013.

0930- onsite noticed City digging trenches and are digging right accross one of our mow areas. Talked to N. Picuota who will check with EPA to get the okay to continue event. Pre-calibrated pump FJL15P-00050 to 5.02 and pump PA-006 to 2.14. Took 10 soil moisture readings: 27.7, 24.8, 16.2, 32.2, 20.1, 18.4, 21.8, 27.8, 33.8, and 26.1 JP 7/9/13 averaging 24.9. Also Precalibrated pump FJL15P-00049 to 5.02 and pump PA-009 to 2.14. ~~Vegition~~ JP 7/9/13 Vegitative cover in infield was poor. Vegetative cover in areas other than infield were good. 1105 started infield mowing N. Picuota onsite to help. County was onsite digging a water line through mow area but we were able to stay away from them also, People were in the other far corner of mow area. A. Vivian also onsite to

303 W Thomas St - EPA Libby Asbestos Project
Author: J. Peltier 7/9/13
Logbook: 101437

see what exactly the county was doing. Pump fault on HV pump first twenty minutes in. Got permission from N. Picuota to run pumps at 5 not 5.5 due to all pumps faulting. Breaks were taking every 20 minutes. 1320- J. Proulx onsite to help complete event. Both E. Kulkusky and J. Proulx were connected into concert level C PPE. ~~J. Proulx onsite at~~ JP 7/9/13 Weed trimming started by J. Proulx at 1425. E. Kulkusky completed two personal sample at 1320 and exc. personal sample at 1445. Infield trimming completed at 1514. Started areas outside infield mowing at 1546. J. Proulx completed weed trimming at 1607 wearing pumps FJL15P-00041 running at 5.02 and pump PA-004 at 2.14. For details on samples reference FSDS #'s PA-101505, PA-101507 through PA-101510 for details. Blank Exposed. E. Kulkusky completed final sample for mowing areas outside infield at

303 W Thomas St EPA Libby Asbestos Project
Author: J. Peltier 7/9/13
Log Book: 101437

1702. Both E. Kulkusky and J. Proulx deconned level C PPE according to the SAP. All equipment was deconned correctly. Samples placed under COC
1743- Offsite
1817- Relinquished samples to CDM Smith sample coordination. Locked in sample cabinet.

J. A. Peltier 7/10/13

EPA/Libby Asbestos Project Logbook: 101437
Owner: City of Libby Date: 7/23/13
Address: 303 W. Thomas ST
Author: E. Kulkusky Weather: Sunny 80°
Personnel: C. Williamson (CDM Smith)
PPE: C+D Event: 1

All activities completed in accordance w/governing document
OU 1, Sampling and Analysis Plan 2013 Post-Construction Activity-based Sampling, Revision 0, June 20, 2013.

0600- ARRIVE AT OFFICE & MEET C. Williamson WE GO OVER THE PLAN FOR THE DAY AND GET THE EQUIPMENT READY.
0700- ARRIVE AT RIVERFRONT PARK. INSPECT THE PROPERTY, GAS UP EQUIPMENT TAKE MOISTURE READINGS FROM SOIL. USING A DELTA DEVICES HH2 METER SN# 53-074; 13.1, 20.6, 16.4, 12.6, 14.3, 10.9, 9.7, 13.5, 17.9, 11.4 AVG = 14.04
0715- C. Williamson DONS PPE IN PREPERATION OF MOWING THE INFIELD, I TAKE a FIELD BLANK - RP-00011 AND CALIBRATE PUMPS: HV = FJL15P-00043 TO 5.23 L/min LV = PA-001 TO 2.14 L/min
HV Sample = RP-00012 LV = RP-00013 ON FSDS PA-101573 AND PA-101574
0725- PUMPS ON AND ACTOR BEGINS MOWING
0755- Flow check HV = 5.23 L/m LV = 2.14 L/m

Ed Kulkusky 7/23/13

303 W Thomas ST EPA LIBBY ASBESTOS

AUTHOR: E. Kulkusky 7/23/13 LogBook: 101437

0825 - Flow Check HV=5.02 L/M LV=2.14 L/M

0855 - Flow check HV=5.02 L/M LV=2.14 L/M

ACTOR Takes a water BREAK

0905 - PUMPS Back on and mowing

0935 - Flow Check 5.02 HV and 2.14 LV

PUMPS OFF ACTIVITY ENDED.

Samples are Tagged and Bagged and secured in the TRUCK.

0945 - I START DONNING PPE TO START NEXT mowing ACTIVITY NEAR PAVILLION. All EQUIPMENT Remains The Same as Page 7 of This LOGBOOK. C. Williamson will Take over The LogBook [signature] 7/23/13

0955 - E. Kulkusky Starts mowing - areas other than infield.

1025 - Flow check HV = 5.02 L/min LV = 2.14 L/min

1028 - C. Williamson collect GPS data for area mowed in the infield today. GPS file Riverfront, comment Infield

1055 Flow check HV=5.02 L/min LV = 2.14 L/min

Pumps off, activity ended. Actor takes a water break. Refer to FSDS PA-101575 for sample details. Sample ID HV = RP-00015 LV = RP-00014. Samples bagged & tagged and secure in truck.

Author: C. Williamson 7/23/13 Logbook 101437

1100 - E. Kulkusky to start Trimming. All equipment remains the same as page 7 of this logbook.

1110 - C. Williamson collect GPS data for Area mowed in Areas other than Infield. GPS file Riverfront, comment Pavilion.

1130 - Flow check HV = 5.02 L/min LV = 2.14 L/min

1142 - N. Pisciotta onsite (CDM Smith)

1200 Flow check HV = 5.02 L/min LV = 2.14 L/min

Pumps off, activity ended. Refer to FSDS# PA-101576 for details, for sample ID's HV = RP-00017, LV = RP-00016 Samples tagged & bagged and secured in truck. Photos collected.

1205 - E. Kulkusky deconned level C PPE according to the SAP. All equipment was deconned correctly

1210 N. Pisciotta (CDM Smith) offsite.

1250 - team offsite

1350 - Relinquish samples to CDM Smith sample coordination. Locked in sample cabinet.

[signature] 7/23/13

EPA/Libby Asbestos Project Logbook: 101437
Owner: City of Libby Date: 9/12/13
Address: 303 W. Thomas St
Author: E. Kulkusky Weather: Sunny 70°
Personnel: C. Williamson (CDM Smith)
PPE: C+D Event: 1

All activities completed in accordance w/governing document OU 1, Sampling and Analysis Plan 2013 Post-Construction Activity-based Sampling, Revision 0, June 20, 2013.

0700 - meet C. Williamson at office and get equipment ready.
0800 - Arrive at River Front Park. We confirm where we left off mowing on 7/23/13 so we can start in the right area. Take moisture readings with the Delta Devices HH2 meter SN# 53-074: 22.4, 16.0, 13.8, 28.4, 25.3, 29.3, 18.0, 23.3, 18.7, 21.4. AVG = 21.66 Rotometer = 120170-2
0815 - C. Williamson dons PPE in preperation of mowing the infield. I take field blank RP-00018 and calibrate pumps. HV = FJ215P-00041 @ 5.43 L/m LV = PA-001 @ 2.14 L/m LV sample is RP-00019 HV sample is RP-00020
0822 - Actor turns on pumps and begins mowing the infield.
0852 - Flow check HV = 5.43 L/m LV = 2.14 L/m

Ed Kulkusky 9/12/13

Author: E. Kulkusky 9/12/13 Logbook: 101437

0915 - A. Vivian arrives and attaches a noise meter to C. Williamson to monitor noise levels while sampling.
0920 - A. Vivian departs site.
0922 - Flow check HV = 5.43 L/m LV = 2.14 L/m
0952 - Flow check HV = 5.43 L/m LV = 2.14 L/m
1022 - Flow check HV = 5.43 L/m LV = 2.14 L/m
Pumps off activity ended. Samples are tagged and bagged and stored in truck.
1025 - I start donning PPE to perform next mowing activity near pavillion. All equipment remains the same as Pg 10 of this logbook. C. Williamson will take over the logbook. E. Kulkusky 9/12/13
1045 - E. Kulkusky (CDM Smith) starts mowing - "Areas other than Infield"
1100 - C. Williamson (CDM Smith) collects GPS data for area mowed in "Infield" today. GPS file "Riverfront", comment "Infield".
1115 - Flow check HV = 5.23 L/min LV = 2.14 L/min
1149 - A. Vivian (CDM Smith) onsite to record levels from noise meter.
1145 - Flow check HV = 5.23 LV = 2.14. Pumps off Activity ended. Refer to FSDS# PA-101579.
Sample ID HV = RP-00022, LV = RP-00021. Samples bagged, tagged, and secured. [illegible] 9/12/13

303 W. Thomas ST EPA Libby Asbestos

Author: C. Williamson (CDM Smith) 9/12/13 Logbook: 101437

1158 - E. Kulkusky starts "Trimming". All equipment remains as page 10 in this logbook.

1206 - A. Vivian offsite.

1228 - Flow check HV = 5.23 L/min LV = 2.14 L/min

1230 - C. Williamson to collect GPS Data for areas mowed in "Areas other than Infield" today. GPS file "Riverfront", comment "Pavilion".

1258 - Flow check HV = 5.23 L/min LV = 2.14 L/min

Pumps off, activity ended. Refer to FSDS# PA-101580 for details for sample ID's HV = RP-00024, LV = RP-00023. Samples Tagged, Bagged, and secured in Truck. Photo's collected.

1300 - E. Kulkusky decons Level C PPE according to the SAP. All equipment deconned properly according to the SAP.

1330 - GPI offsite

Relinquish samples to locked cabinet in CDM Smith Sample Coordinator's office

9/12/13

9/19/13

CDM Smith - Libby Field Office

From: 60 Port Blvd Ste 201, Libby MT 59923
AirBill: NA
No of Samples: 6

CHAIN OF CUSTODY RECORD

Libby Asbestos Investigation EPA Region 8
CarrierName: hand delivered
DateShipped: 7/11/2013

No: 23958

Send To: ESATR8-Troy
303 N 3rd Street
Troy, MT 59935

	Sample #	Tag	Sample Date	Matrix	Vol/L Area/cm2	Filter Pore Size (um)	TAT Days	Analyses	LV ID	Media Code	Comments	
✓	RP-00003	AL1	7/9/2013	Air	257	0.8	60	Archive		A		
✓	RP-00004	AL1	7/9/2013	Air	602	0.8	60	TEM-ISO	RP-00003	A		
✓	RP-00006	AL1	7/9/2013	Air	306	0.8	60	TEM-ISO	RP-00007	B		
✓	RP-00007	AL1	7/9/2013	Air	131	0.8	60	Archive		B		
✓	RP-00009	AL1	7/9/2013	Air	301	0.8	60	TEM-ISO	RP-00010	A		
✓	RP-00010	AL1	7/9/2013	Air	128	0.8	60	Archive		A		

Remarks:

A.R.S.S. : POSTOU10613 - Rev 0
TRANSFERRED FROM COC #

Relinquished by (Signature and Company)	Date/Time	Received by (Signature and Company)	Date/Time	Sample Condition Upon Receipt
Kelsey Nielsen CDM Smith	7/11/13 1321	[illegible] Tech Lab	07/11/13 1321	complete

CDM Smith - Libby Field Office

From: 60 Port Blvd Ste 201, Libby MT 59923
AirBill: NA
No of Samples: 7

CHAIN OF CUSTODY RECORD

Libby Asbestos Investigation EPA Region 8
CarrierName: hand delivered
DateShipped: 9/17/2013

No: 24420

Send To: ESATR8-Troy
303 N 3rd Street
Troy, MT 59935

	Sample #	Tag	Sample Date	Matrix	Vol/L Area/cm2	Filter Pore Size (um)	TAT Days	Analyses	LV ID	Media Code	Comments	
✓	RP-00018	AL1	9/12/2013	Air	0	0.8	60	Archive		D		
✓	RP-00019	AL1	9/12/2013	Air	257	0.8	60	Archive		A		
✓	RP-00020	AL1	9/12/2013	Air	652	0.8	60	TEM-ISO	RP-00019	A		
✓	RP-00021	AL1	9/12/2013	Air	128	0.8	60	Archive		A		
✓	RP-00022	AL1	9/12/2013	Air	314	0.8	60	TEM-ISO	RP-00021	A		
✓	RP-00023	AL1	9/12/2013	Air	128	0.8	60	Archive		B		
✓	RP-00024	AL1	9/12/2013	Air	314	0.8	60	TEM-ISO	RP-00023	B		

Remarks:

A.R.S.S. : POSTOU1-0613
TRANSFERRED FROM COC #

Relinquished by (Signature and Company)	Date/Time	Received by (Signature and Company)	Date/Time	Sample Condition Upon Receipt
Tracy Dodge CDMSmith	9/17/13 1325	A Bowm ESATR8-TRUY	09/17/13 13:25	complete

CDM Smith - Libby Field Office

From: 60 Port Blvd Ste 201, Libby MT 59923
AirBill: NA
No of Samples: 7

CHAIN OF CUSTODY RECORD

Libby Asbestos Investigation EPA Region 8
CarrierName: hand delivered
DateShipped: 7/25/2013

No: 24074

Send To: ESATR8-Troy
303 N 3rd Street
Troy, MT 59935

	Sample #	Tag	Sample Date	Matrix	Vol/L Area/cm2	Filter Pore Size (um)	TAT Days	Analyses	LV ID	Media Code	Comments	
✓	RP-00011	AL1	7/23/2013	Air	0	0.8	60	TEM-ISO		D		
✓	RP-00012	AL1	7/23/2013	Air	612	0.8	60	TEM-ISO	RP-00013	A		
✓	RP-00013	AL1	7/23/2013	Air	257	0.8	60	Archive		A		
✓	RP-00014	AL1	7/23/2013	Air	128	0.8	60	Archive		A		
✓	RP-00015	AL1	7/23/2013	Air	301	0.8	60	TEM-ISO	RP-00014	A		
✓	RP-00016	AL1	7/23/2013	Air	128	0.8	60	Archive		B		
✓	RP-00017	AL1	7/23/2013	Air	301	0.8	60	TEM-ISO	RP-00016	B		

Remarks:

A.R.S.S. : POSTOU10613 - Rev 0
TRANSFERRED FROM COC #

Relinquished by (Signature and Company)	Date/Time	Received by (Signature and Company)	Date/Time	Sample Condition Upon Receipt
D. Hanger - CDM Smith 7/25/13	12:14	[illegible]	07/25/13 12:14	Complete

Appendix B
Database

Interim Post-Construction Human Health Risk Assessment
Operable Unit 1
Libby Asbestos Superfund Site
December 2014

Note: The Frozen Database is provided electronically

Appendix C
Outdoor Air ABS Summary

Interim Post-Construction Human Health Risk Assessment
Operable Unit 1
Libby Asbestos Superfund Site
December 2014

APPENDIX C.1

OU1 POST-CONSTRUCTION ABS PERSONAL AIR SAMPLE RESULTS

ABS Information				Sample Information					Analysis Information								PCME Results	
Receptor Type	ABS Scenario Description	Script	Event	Sample Date	Sample ID	Sample Duration (min)	Flow Rate (L/min)	Volume Collected (L)	Laboratory	Analysis Date	Prep Method	EFA (mm^2)	GO Size (mm^2)	GOs Counted	F Factor	Sensitivity $(cc)^{-1}$	N LA Structures	LA Air Conc. (s/cc)
City Worker	Mowing	Scenario 1	1	7/9/2013	RP-00004	120	5.0	602	RESI	8/7/13	D	385	0.01	22	1	2.91E-03	0	0.0
			1	7/9/2013	RP-00006	61	5.0	306	RESI	8/7/13	D	385	0.01	8	1	1.57E-02	0	0.0
			1	7/9/2013	RP-00009	60	5.0	301	RESI	8/8/13	D	385	0.01	44	1	2.91E-03	0	0.0
			2	7/23/2013	RP-00012	120	5.1	612	RESI	8/15/13	D	385	0.01	24	1	2.62E-03	1	0.0026
			2	7/23/2013	RP-00015	60	5.0	301	RESI	8/15/13	D	385	0.01	55	1	2.33E-03	0	0.0
			2	7/23/2013	RP-00017	60	5.0	301	RESI	8/19/13	D	385	0.01	55	1	2.33E-03	0	0.0
	Weed-Trimming	Scenario 2	3	9/12/2013	RP-00020	120	5.4	652	EMSL03	10/29/13	D	385	0.0128	16	1	2.88E-03	0	0.0
			3	9/12/2013	RP-00022	60	5.2	314	EMSL03	10/29/13	D	385	0.0128	32	1	2.99E-03	0	0.0
			3	9/12/2013	RP-00024	60	5.2	314	EMSL03	10/29/13	D	385	0.0128	6	1	1.60E-02	0	0.0

Notes:

ABS = activity-based sampling

cc = cubic centimeter

Conc. = concentration

D = direct

EFA = effective area of the filter

GO = grid openings

ID = identification

L = liter

L/min = liters per minute

LA = Libby amphibole

min = minute

mm^2 = square millimeters

N = number of structures

OU = operable unit

PCME = phase contrast microscopy-equivalent

s/cc = structures per cubic centimeter

Appendix D
Data Verification Reports

Interim Post-Construction Human Health Risk Assessment
Operable Unit 1
Libby Asbestos Superfund Site
December 2014

Libby Asbestos Superfund Site
The Former Export Plant and Surrounding Properties
Operable Unit 1
Lincoln County, Montana

Data Verification Report

EPA Contract No. EP-S8-11-02

Task Order No.: 0005
EPA RPM: Dania Zinner

April 2014

Prepared for:

U.S. Environmental Protection Agency
Region 8
1595 Wynkoop Street
Denver, Colorado 80202

Prepared by:

CDM Federal Programs Corporation
555 17th Street, Suite 1200
Denver, Colorado 80202

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FIELD SAMPLE INFORMATION DATA TRANSFER VERIFICATION REPORT

Project/Dataset Description: Libby Asbestos Superfund Site, Operable Unit 1, Post-Construction ABS Air Monitoring (2013)

SUMMARY OF FINDINGS AND DATA QUALITY IMPLICATIONS

A verification of 10% of the field sample information was performed for OU1 activity-based sampling (ABS) air samples. This verification effort was based on the Libby Scribe database and the field sample data sheets (FSDSs) as provided by CDM Smith in accordance with Standard Operating Procedure EPA-LIBBY-11 (revision 0). The samples selected for field sample data verification were the same samples selected for analytical data verification.

No discrepancies were identified in the transfer of field information from the FSDSs into the project database during this verification effort.

The Data Verification Coordinator has performed a check of 5% of samples verified to ensure that any potential issues were identified correctly. No deficiencies were noted.

RECOMMENDATIONS FOR FUTURE VERIFICATION

No discrepancies were identified; therefore, there is no need to perform future review or verification efforts for this dataset.

Data Verifier: Angela Coler *Date:* 4/11/14

Data Verification Coordinator: Natalie Ron *Date:* 4.11.14

Verification Data Manager:* Natalie Ron *Date:* 4.11.14

The Verification Data Manager acknowledges that all issues discovered during the verification process have been resolved and that the following criteria have been met:

- All necessary corrections have been made to the FSDSs utilized in the verification.
- The corrected field sample documentation forms have been re-submitted to the appropriate parties (as specified in the governing project documents).
- All necessary corrections have been made to the project database.

SAMPLE SELECTION

A verification of sample information was performed for the list of samples that were selected for analytical verification for this dataset.

DATA TRANSFER VERIFICATION RESULTS

Number of samples verified: 4 ABS air samples

Number of samples with data transfer issues identified: 0 (0% of total samples verified)

Comments: Attachment 1A (Data Summary Table for Air Samples) and Attachment 1B (Sample Pump Information for Air Samples) contain the details of the verification. Attachment 2 contains the FSDSs that were used for this verification effort.

ATTACHMENT 1A. DATA SUMMARY TABLE FOR AIR SAMPLES

DVC - 5%	Sample ID	Matrix	Event ID	Address	Field Data Sheet	Sample Date	Property ID	Field Logbook	Field Logbook Page	Sampler	Location ID	Sample Venue	Sample PrePost Clear	Sample Type	Sample Parent ID	Sample Location Description	PersonnelID	PersonnelTask	Air Type	Air Volume Type	Air Flow Meter Type	Field Comments	Cassette Lot Number	Filter Diameter	Filter Pore Size	Volume (L)	Verifier's Company	Verifier's Name	Comment	Correction Date
x-NR	RP-00006	Air	RP-062013	Former Export Plant303 W Thomas St	PA-101509	7/9/2013	AD-000062	101437	4-6	Kulkusky E |CDMSmith	AD-000062	Outdoor	NA	Field Sample	RP-00007	NA	98359	Weed Trimming	PA-ABS	HV	Rotometer	Vegetative Condition = Poor	28321	25	0.8	306	CDM Smith	A. Coler		
	RP-00012	Air	RP-062013	Former Export Plant303 W Thomas St	PA-101573	7/23/2013	AD-000062	101437	7-9	Kulkusky E |CDMSmith	AD-000062	Outdoor	NA	Field Sample	RP-00013	NA	104617	Mowing - Infield	PA-ABS	HV	Rotometer	Vegetative Condition = Poor	28321	25	0.8	612	CDM Smith	A. Coler		
	RP-00017	Air	RP-062013	Former Export Plant303 W Thomas St	PA-101576	7/23/2013	AD-000062	101437	7-9	Kulkusky E |CDMSmith	AD-000062	Outdoor	NA	Field Sample	RP-00016	NA	50632	Weed Trimming	PA-ABS	HV	Rotometer	Vegetative Condition = Good	28321	25	0.8	301	CDM Smith	A. Coler		
	RP-00020	Air	RP-062013	Former Export Plant303 W Thomas St	PA-101578	9/12/2013	AD-000062	101437	10-12	Kulkusky E |CDMSmith	AD-000062	Outdoor	NA	Field Sample	RP-00019	NA	104617	Mowing - Infield	PA-ABS	HV	Rotometer	Vegetation condition = Good	26638	25	0.8	652	CDM Smith	A. Coler		

ATTACHMENT 1B. SAMPLE PUMP INFORMATION FOR AIR SAMPLES

Sample Number	Start Date & Time	Start Flow (L/min)	Stop Date & Time	Stop Flow (L/min)	Sample Duration (min)	Volume Interval	Verifier's Company	Verifier's Name	Comment	Correction Date
RP-00006	7/9/13 2:25 PM	5.02	7/9/13 2:45 PM	5.02	20	100	CDM Smith	A. Coler		
RP-00006	7/9/13 2:54 PM	5.02	7/9/13 3:14 PM	5.02	20	100	CDM Smith	A. Coler		
RP-00006	7/9/13 3:46 PM	5.02	7/9/13 4:07 PM	5.02	21	105	CDM Smith	A. Coler		
RP-00012	7/23/13 7:25 AM	5.23	7/23/13 7:55 AM	5.23	30	157	CDM Smith	A. Coler		
RP-00012	7/23/13 7:55 AM	5.23	7/23/13 8:25 AM	5.02	30	154	CDM Smith	A. Coler		
RP-00012	7/23/13 8:25 AM	5.02	7/23/13 8:55 AM	5.02	30	151	CDM Smith	A. Coler		
RP-00012	7/23/13 9:05 AM	5.02	7/23/13 9:35 AM	5.02	30	151	CDM Smith	A. Coler		
RP-00017	7/23/13 11:00 AM	5.02	7/23/13 11:30 AM	5.02	30	151	CDM Smith	A. Coler		
RP-00017	7/23/13 11:30 AM	5.02	7/23/13 12:00 PM	5.02	30	151	CDM Smith	A. Coler		
RP-00020	9/12/13 8:22 AM	5.43	9/12/13 8:52 AM	5.43	30	163	CDM Smith	A. Coler		
RP-00020	9/12/13 8:52 AM	5.43	9/12/13 9:22 AM	5.43	30	163	CDM Smith	A. Coler		
RP-00020	9/12/13 9:22 AM	5.43	9/12/13 9:52 AM	5.43	30	163	CDM Smith	A. Coler		
RP-00020	9/12/13 9:52 AM	5.43	9/12/13 10:22 AM	5.43	30	163	CDM Smith	A. Coler		

ATTACHMENT 2 – FIELD DOCUMENTATION FORMS

Event ID RP-062013

Libby Personal Air Sample
Field Sample Data Sheet

FSDS # PA-101509

Address 303 W Thomas St

Date 7/9/13

Property ID: AD-000062 Logbook # D1437 Pgs 4-6 Sampler(s): J. Retter, J. Prouix, E. Kukuska

Data Item	1	2	3
* Location ID (To assign NEW locations - complete location section on Soil & Location FSDS)	AD-000062		
* Sample ID	RP- 00006	RP- 00007	
* ABS	N Y	N Y	N Y
* Sample Venue	Indoor Outdoor Both NA	Indoor Outdoor Both NA	Indoor Outdoor Both NA
* Sample PrePostClear	NA Pre Post	NA Pre Post	NA Pre Post
* Sample Type	FS FB LB DB Other____	FS FB LB DB Other____	FS FB LB DB Other____
Sample Parent ID (HV Parent ID = LV Sample ID)	RP-00007	~~RP-00006~~ 7/11/13	
* Sample Location Description	NA	NA	
* Personnel Information: ID 98359 Name J. Prouix Task Weed trimming			
* Sample Air Type	NA PA-EXC PA-TWA PA-ABS	NA PA-EXC PA-TWA PA-ABS	NA PA-EXC PA-TWA PA-ABS
* Sample Air Volume Type (If both HV & LV are collected)	NA LV HV	NA LV HV	NA LV HV
* Flow Meter Type	NA Rotameter DryCal	NA Rotameter DryCal	NA Rotameter DryCal
* Cassette Lot No 28321 Flow Meter ID 120170-2	(For Blanks "2" through "Pump ID" to "Sample Air Stop Flow" then circle NA for "Pump Fault" & enter 0 for "Sample Total Time")		
* Pump ID	FJL15P-00041	PA-004	
* Sample Air Start Date	7/9/13		
* Sample Air Start Time	1425 1454 1546	1425 1454 1546	
* Sample Air Start Flow (L/min)	5.02 5.02 5.02	2.14 2.14 ~~5.02~~ 2.14	
* Sample Air Stop Date	7/9/13		7/9/13
* Sample Air Stop Time	1445 1514 1607	1445 1514 1607	
* Sample Air Stop Flow (L/min)	5.02 5.02 5.02	2.14 2.14 ~~5.02~~ 2.14	
* Pump Fault	No NA Yes	No NA Yes	No NA Yes
Sample Total Time (min)	61	61	
Sample Quantity (L)	306	131	
Sample Field Comments	VEGETATIVE CONDITION = POOR	7/10/13	
Archive?	Yes No	Yes No	Yes No

V120120 *Required Field **List company after Sampler(s) if not "CDM Smith" Filter Diameter = 25mm; Pore Size=.8µ

For Field Team Completion: Completed by: [illegible] QC by: [illegible] For Data Entry: Entered by: [illegible] QC by: [illegible]

Event ID RP-062013

Libby Personal Air Sample
Field Sample Data Sheet

FSDS # PA - 101573

Address 303 W. THOMAS ST

Date 7/23/13

Property ID: AD-000062 Logbook # 101437 Pgs 7-9 Sampler(s)** E. Kulkusky C. Williamson

	Data Item	1	2	3
*	Location ID (To assign NEW locations - complete location section on Soil & Location FSDS)	AD-000062	AD-000062	
*	Sample ID	RP- 00011	RP- 00012	
*	ABS	N (Y)	N (Y)	N Y
*	Sample Venue	Indoor Outdoor Both (NA)	Indoor (Outdoor) Both NA	Indoor Outdoor Both NA
*	Sample PrePostClear	(NA) Pre Post	(NA) Pre Post	NA Pre Post
*	Sample Type	FS (FB) LB DB Other___	(FS) FB LB DB Other___	FS FB LB DB Other___
	Sample Parent ID (HV Parent ID = LV Sample ID)		RP-00013	
*	Sample Location Description	~~Field~~ Blank	NA	
*	Personnel Information: ID 104617 Name C. Williamson	Task MOWING-INFIELD		
*	Sample Air Type	(NA) PA-EXC PA-TWA PA-ABS	NA PA-EXC PA-TWA (PA-ABS)	~~NA PA-EXC PA-TWA PA-ABS~~
*	Sample Air Volume Type (if both HV & LV are collected)	(NA) LV HV	NA LV (HV)	NA LV HV
*	Flow Meter Type	(NA) Rotameter DryCal	NA (Rotameter) DryCal	~~NA Rotameter DryCal~~
*	Cassette Lot No 2832 Flow Meter ID 120170-2		(For Blanks "2" through "Pump ID" to "Sample Air Stop Flow" then circle NA for "Pump Fault" & enter 0 for "Sample Total Time")	
*	Pump ID		FSL15P-00043	
*	Sample Air Start Date		07/23/13	
*	Sample Air Start Time		0726 0755 0825 0905	
*	Sample Air Start Flow (L/min)		5.23 5.23 5.02 5.02	
*	Sample Air Stop Date		07/23/13	
*	Sample Air Stop Time		0755 0825 0855 0935	
*	Sample Air Stop Flow (L/min)		5.23 5.02 5.02 5.02	
*	Pump Fault	No (NA) Yes	(No) NA Yes	(No) NA Yes
	Sample Total Time (min)	0	120	
	Sample Quantity (L)	0	602	
	Sample Field Comments		Vegetative Condition = Poor	
	Archive?	Yes (No)	Yes No	Yes No

V120120 *Required Field **List company after Sampler(s) if not "CDM Smith" Filter Diameter = 25mm; Pore Size=.8µ

For Field Team Completion: Completed by: EK QC by: CW For Data Entry: Entered by: QC by:

24074

Event ID RP-062013

Libby Personal Air Sample
Field Sample Data Sheet

FSDS # **PA - 101576**

Address 303 W. Thomas ST

Date 7/23/13

Property ID: AD-000062 Logbook # 101437 Pgs 7-9 Sampler(s)* E. Kulkusky C. Williamson

	Data Item	1	2	3
	Location ID (To assign NEW locations - complete location section on Soil & Location FSDS)	AD-000062		
*	**Sample ID**	**RP- 00016**	**RP- 00017**	
*	**ABS**	N (Y)	N (Y)	N Y
*	**Sample Venue**	Indoor (Outdoor) Both NA	Indoor (Outdoor) Both NA	Indoor Outdoor Both NA
*	**Sample PrePostClear**	(NA) Pre Post	(NA) Pre Post	NA Pre Post
*	**Sample Type**	(FS) FB LB DB Other____	(FS) FB LB DB Other____	FS FB LB DB Other____
	Sample Parent ID (HV Parent ID = LV Sample ID)		RP-00016	
*	**Sample Location Description**	NA	NA	
*	**Personnel Information:** ID 50632 Name E. Kulkusky	Task WEED TRIMMING		
*	**Sample Air Type**	NA PA-EXC PA-TWA (PA-ABS)	NA PA-EXC PA-TWA (PA-ABS)	~~NA PA-EXC PA-TWA PA-ABS~~
*	**Sample Air Volume Type** (if both HV & LV are collected)	NA (LV) HV	NA LV (HV)	NA LV HV
*	**Flow Meter Type**	NA (Rotameter) DryCal	NA (Rotameter) DryCal	~~NA Rotameter DryCal~~
*	**Cassette Lot No** 28321	**Flow Meter ID** 120170-2	(For Blanks "Z" through "Pump ID" to "Sample Air Stop Flow" then circle NA for "Pump Fault" & enter 0 for "Sample Total Time")	
*	**Pump ID**	PA-001	FJL SP-00043	
*	**Sample Air Start Date**	07/23/13	07/23/13	
*	**Sample Air Start Time**	1100 1130	1100 ~~1130~~ 1130	
*	**Sample Air Start Flow (L/min)**	2.14 2.14	5.02 5.02	
*	**Sample Air Stop Date**	07/23/13	07/23/13	
*	**Sample Air Stop Time**	1130 1200	1130 1200	
*	**Sample Air Stop Flow (L/min)**	2.14 2.14	5.02 5.02	
*	**Pump Fault**	(No) NA Yes	(No) NA Yes	No NA Yes
	Sample Total Time (min)	60	60	
	Sample Quantity (L)	128	301	
	Sample Field Comments	vegetative condition: Good		
	Archive?	(Yes) No	Yes No	Yes No

V120120 *Required Field **List company after Sampler(s) if not "CDM Smith" Filter Diameter = 25mm; Pore Size=.8µ

For Field Team Completion: Completed by: [illegible] QC by: [illegible] For Data Entry: Entered by: [illegible] QC by: [illegible]

Event ID RP-062013

Libby Personal Air Sample
Field Sample Data Sheet

FSDS # **PA - 101578**

Address 303 W. THOMAS ST

Date 9/12/13

Property ID: AD-000062 Logbook # 101437 Pgs 10-12 Sampler(s)** E. KULKOSKY C. WILLIAMSON

	Data Item	1	2	3
*	**Location ID** (To assign NEW locations - complete location section on Soil & Location FSDS)	AD-000062		
*	**Sample ID**	**RP- 00020**		
*	**ABS**	N (Y)	N Y	N Y
*	**Sample Venue**	Indoor (Outdoor) Both NA	Indoor Outdoor Both NA	Indoor Outdoor Both NA
*	**Sample PrePostClear**	(NA) Pre Post	NA Pre Post	NA Pre Post
*	**Sample Type**	(FS) FB LB DB Other___	FS FB LB DB Other___	FS FB LB DB Other___
	Sample Parent ID (HV Parent ID = LV Sample ID)	RP-00019		
*	**Sample Location Description**	NA		
*	**Personnel Information:** ID 104617 Name C. WILLIAMSON	Task MOWING - IN FIELD		
*	**Sample Air Type**	NA PA-EXC PA-TWA (PA-ABS)	~~NA PA-EXC PA-TWA PA-ABS~~	~~NA PA-EXC PA-TWA PA-ABS~~
*	**Sample Air Volume Type** (if both HV & LV are collected)	NA LV (HV)	NA LV HV	NA LV HV
*	**Flow Meter Type**	NA (Rotameter) DryCal	~~NA~~ Rotameter DryCal	~~NA~~ Rotameter DryCal
*	**Cassette Lot No** 266638 **Flow Meter ID** 120170-2	(For Blanks "2" through "Pump ID" to "Sample Air Stop Flow" then circle NA for "Pump Fault" & enter 0 for "Sample Total Time")		
*	**Pump ID**	FJL15P-00041		
*	**Sample Air Start Date**	9/12/13		
*	**Sample Air Start Time**	0822 0852 0922 0952		
*	**Sample Air Start Flow (L/min)**	5.43 5.43 5.43 5.43		
*	**Sample Air Stop Date**	9/12/13		
*	**Sample Air Stop Time**	0852 0922 0952 1022		
*	**Sample Air Stop Flow (L/min)**	5.43 5.43 5.43 5.43		
*	**Pump Fault**	No NA Yes	No NA Yes	No NA Yes
	Sample Total Time (min)	120		
	Sample Quantity (L)	652		
	Sample Field Comments	VEGETATIVE CONDITION = GOOD		
	Archive?	Yes No	Yes No	Yes No

V120120 *Required Field **List company after Sampler(s) if not "CDM Smith" Filter Diameter = 25mm; Pore Size=.8µ

For Field Team Completion: Completed by: EK QC by: CW | For Data Entry: Entered by: ___ QC by: ___

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TEM CONSISTENCY REVIEW AND DATA TRANSFER VERIFICATION REPORT

Project/Dataset Description: Libby Asbestos Superfund Site, Operable Unit 1, Post-Construction ABS Air Monitoring (2013)

SUMMARY OF FINDINGS AND DATA QUALITY IMPLICATIONS

A verification of 10% the activity-based sampling (ABS) air sample analysis results by transmission electron microscopy (TEM) International Organization for Standardization (ISO) 10312 was performed. This verification effort was based on the Libby Scribe databases and the final laboratory reports as provided by TechLaw in accordance with Standard Operating Procedure EPA-LIBBY-09 (Revision 2).

No critical discrepancies[1] were identified in data fields which have the potential to cause negative data quality implications or may impact data interpretation.

Non-critical discrepancies were identified in two analyses in which data were incorrectly recorded on the benchsheet. Data fields with non-critical discrepancies observed on the benchsheet include the Minimum Aspect Ratio Recording Rule and Date Received by Lab.

All issues identified have been resolved by the analytical laboratory and the necessary corrections have been made to the benchsheets.

The Data Verification Coordinator has performed a check of 5% of the analyses verified to ensure that any potential issues were identified correctly. No deficiencies were noted.

RECOMMENDATIONS FOR FUTURE REVIEW AND VERIFICATION

There is no need to perform future review or verification for this dataset and there are no negative data quality implications because the issues discovered during the verification effort were non-critical, non-systematic issues and have been resolved.

Data Verifier: Angela Colen *Date:* 4/11/14

Data Verification Coordinator: Natalie Ron *Date:* 4.11.14

Verification Data Manager:* Natalie Ron *Date:* 4.11.14

[1] A critical discrepancy is defined as an issue that could influence the reported sample concentration.

The Verification Data Manager acknowledges that all issues discovered during the verification process have been resolved and that the following criteria have been met:

- All necessary corrections have been made to the laboratory EDD.
- The corrected laboratory EDD has been re-submitted by the analytical laboratory to the appropriate parties (as specified in the governing project documents).
- The corrected laboratory EDD has uploaded to the project database.
- All necessary corrections have been made to the hand-written laboratory benchsheet.
- The corrected hand-written laboratory benchsheet has been re-submitted by the analytical laboratory to the appropriate parties.

TEM ISO 10312 SELECTION

Analyst, Lab	Number of TEM ISO 10312 Analyses			Number of TEM ISO 10312 Analyses Selected for Review		
	Non-Detect	Detect	Total	Non-Detect	Detect	Total
N. Zimbelman, RESI	2	1	3	1	1	2
J. Bernard, RESI	3	0	3	1	0	1
D. Young, EMSL03	3	0	3	1	0	1
Total	8	1	9	3	1	4

	Goal	Actual
Selected Total	1	4
Selected Detects	1	1
Selected Non-Detects	1	3

CONSISTENCY REVIEW RESULTS

Number of analyses reviewed: 4 (100% of total analyses selected)

Number of analyses with recording issues identified[2]: 0 (0% of total analyses reviewed)

DATA TRANSFER VERIFICATION RESULTS

Number of analyses reviewed: 4 (100% of total analyses selected)

Number of analyses with data transfer issues identified: 2 (50% of total analyses reviewed)

Types of data transfer issues identified:

1 Missing recording rules on benchsheet (e.g., aspect ratio, target sensitivity)

1 Incorrect/missing information on analysis details (e.g., analysis date, receipt date)

Do the data transfer issues identified appear to be associated with a particular analyst or laboratory?

☒ Yes ☐ No

If yes, identify the analyst and/or laboratory: RESI (both non-critical issues).

Comments: Attachment 1A (Data Summary of Analytical and Result Information) and Attachment 1B (Data Summary of Structure Information) contain the details of the verification findings along with the corrected data. Attachment 2 contains the laboratory benchsheets that were used for this verification effort, including the data verifier's notes, and all corrections received from the laboratory.

[2] Recording issues are discrepancies associated with the analyst not recording structures in accordance with the analytical method (e.g., structure type, mineral class, structure comments, energy dispersive x-ray analysis [EDXA] observation).

ATTACHMENT 1A. DATA SUMMARY OF ANALYTICAL AND RESULT INFORMATION

OVC - S%	Sample Date	Samp No	File Revision No	Lab ID	Instrument	Mag Low	GO Size	EFA	Tag	Analysis Quantity	Analysis Quantity Units	Receipt Date	Lab Job Number	Lab SampleID	Number Grid Prep	Preparer Name	Prep Date	Analyst Name	Analysis Date	Prep Method	Loose Material	Analysis Method	Est Filter Loading	F Factor	Analysis Comments	Recording Rules			Stopping Rules			Grid Openings Counted		STRUCTCNTPCME			Sensitivity - PCME		STRUCTCONCPCME			AnalysisID	AnalysisDateTimeStamp	Stopping Rule Achieved	Maximum area examined	Verifier's Company	Verifier's Name	Comment	Correction Date
																										Min AR Low	Min Length Low	Min Width Low	Target Sens	Max Area Examined	Target N Strucs	LA/OA Low	Chrys Low	LA	OA	CH	LA/OA	CH	LA	OA	CH								
	9/12/2013	RP-00020	0	EMSL03	JEOL 100 CX II (03-01)	5000	0.0128	385	AL1	652	L	9/20/2013	031337357	031337357-0003	7	W. Bis	10/14/2013	D. Young	10/29/2013	Direct	No	TEM-ISO	5	1	Also analyzed on 11/1/13	3:1	5	0.25	0.003	10	25	16	16	0	0	0	0.002883	0.002883	0	0	0	031337357-0003_D	11/4/13 9:19 AM	Sensitivity	0.2048	CDM Smith	A. Coler		
x-NR	7/23/2013	RP-00017	0	RESI	JEOL 100 CX (N)	5000	0.01	385	AL1	301	L	7/29/2013	265420	265420-996520	3	EA	8/6/2013	N. Zimbelman	8/19/2013	Direct	No	TEM-ISO	8	1		3:1	5	0.25	0.018	10	25	55	55	0	0	0	0.002326	0.002326	0	0	0	265420-996520_D	9/5/13 2:19 PM	Sensitivity	0.55	CDM Smith	A. Coler	Minimum aspect ratio recording rules (≥3:1) is not marked on the benchsheet.	3/31/2014
	7/9/2013	RP-00006	0	RESI	JEOL 100 CX (S)	5000	0.01	385	AL1	306	L	7/15/2013	264364	264364-988839	4	EA	8/6/2013	J. Bernard	8/7/2013	Direct	No	TEM-ISO	15	1		3:1	5	0.25	0.018	10	25	8	8	0	0	0	0.015727	0.015727	0	0	0	264364-988839_D	8/19/13 8:34 AM	Sensitivity	0.08	CDM Smith	A. Coler	Lab receipt date is 7/29/2013, not 7/15/2013, according to benchsheet.	3/31/2014
	7/23/2013	RP-00012	0	RESI	JEOL 100 CX (N)	5000	0.01	385	AL1	612	L	7/29/2013	265420	265420-996515	3	EA	8/6/2013	N. Zimbelman	8/15/2013	Direct	No	TEM-ISO	5	1		3:1	5	0.25	0.003	10	25	24	24	1	0	0	0.002621	0.002621	0.002621	0	0	265420-996515_D	9/5/13 2:19 PM	Sensitivity	0.24	CDM Smith	A. Coler		

ATTACHMENT 1B. DATA SUMMARY OF STRUCTURE INFORMATION

Samp No	StructureID	Row Index	Grid	Grid Opening	Structure Type	Primary	Total	Length	Width	AR	Mineral Class	Mineral Desc	EDXA Observation	Structure Identification	Chrysotile Count	Low Mag	Structure Comment	Verifier's Company	Verifier's Name	Comment	Correction Date	DVC
RP-00006	264364-988839_Direct_NotQC_TEM-ISO_1	1	A	E2-3	ND										Yes	Yes		CDM Smith	A. Coler			
RP-00006	264364-988839_Direct_NotQC_TEM-ISO_2	2	A	C2-3	ND										Yes	Yes		CDM Smith	A. Coler			
RP-00006	264364-988839_Direct_NotQC_TEM-ISO_3	3	A	B2-3	ND										Yes	Yes		CDM Smith	A. Coler			
RP-00006	264364-988839_Direct_NotQC_TEM-ISO_4	4	A	E4-4	ND										Yes	Yes		CDM Smith	A. Coler			
RP-00006	264364-988839_Direct_NotQC_TEM-ISO_5	5	B	G3-1	ND										Yes	Yes		CDM Smith	A. Coler			
RP-00006	264364-988839_Direct_NotQC_TEM-ISO_6	6	B	F3-1	ND										Yes	Yes		CDM Smith	A. Coler			
RP-00006	264364-988839_Direct_NotQC_TEM-ISO_7	7	B	E3-1	ND										Yes	Yes		CDM Smith	A. Coler			
RP-00006	264364-988839_Direct_NotQC_TEM-ISO_8	8	B	C3-1	ND										Yes	Yes		CDM Smith	A. Coler			
RP-00012	265420-996515_Direct_NotQC_TEM-ISO_1	1	A	K2-3	ND										Yes	Yes		CDM Smith	A. Coler			
RP-00012	265420-996515_Direct_NotQC_TEM-ISO_2	2	A	H2-3	ND										Yes	Yes		CDM Smith	A. Coler			
RP-00012	265420-996515_Direct_NotQC_TEM-ISO_3	3	A	G2-3	ND										Yes	Yes		CDM Smith	A. Coler			
RP-00012	265420-996515_Direct_NotQC_TEM-ISO_4	4	A	F2-3	ND										Yes	Yes		CDM Smith	A. Coler			
RP-00012	265420-996515_Direct_NotQC_TEM-ISO_5	5	A	E2-3	ND										Yes	Yes		CDM Smith	A. Coler			
RP-00012	265420-996515_Direct_NotQC_TEM-ISO_6	6	A	C2-3	ND										Yes	Yes		CDM Smith	A. Coler			
RP-00012	265420-996515_Direct_NotQC_TEM-ISO_7	7	A	B2-3	ND										Yes	Yes		CDM Smith	A. Coler			
RP-00012	265420-996515_Direct_NotQC_TEM-ISO_8	8	A	A2-6	ND										Yes	Yes		CDM Smith	A. Coler			
RP-00012	265420-996515_Direct_NotQC_TEM-ISO_9	9	A	L3-3	ND										Yes	Yes		CDM Smith	A. Coler			
RP-00012	265420-996515_Direct_NotQC_TEM-ISO_10	10	A	K3-3	ND										Yes	Yes		CDM Smith	A. Coler			
RP-00012	265420-996515_Direct_NotQC_TEM-ISO_11	11	A	H3-3	ND										Yes	Yes		CDM Smith	A. Coler			
RP-00012	265420-996515_Direct_NotQC_TEM-ISO_12	12	A	G3-3	ND										Yes	Yes		CDM Smith	A. Coler			
RP-00012	265420-996515_Direct_NotQC_TEM-ISO_13	13	A	F3-3	ND										Yes	Yes		CDM Smith	A. Coler			
RP-00012	265420-996515_Direct_NotQC_TEM-ISO_14	14	A	E3-3	ND										Yes	Yes		CDM Smith	A. Coler			
RP-00012	265420-996515_Direct_NotQC_TEM-ISO_15	15	A	C3-3	ND										Yes	Yes		CDM Smith	A. Coler			
RP-00012	265420-996515_Direct_NotQC_TEM-ISO_16	16	A	B3-3	ND										Yes	Yes		CDM Smith	A. Coler			
RP-00012	265420-996515_Direct_NotQC_TEM-ISO_17	17	A	A3-3	ND										Yes	Yes		CDM Smith	A. Coler			
RP-00012	265420-996515_Direct_NotQC_TEM-ISO_18	18	B	G2-3	ND										Yes	Yes		CDM Smith	A. Coler			
RP-00012	265420-996515_Direct_NotQC_TEM-ISO_19	19	B	H2-3	F	1	1	17.98	1.265	14.21343874	LA	WRTA	NaK	ADX	Yes	Yes		CDM Smith	A. Coler			
RP-00012	265420-996515_Direct_NotQC_TEM-ISO_20	20	B	F2-3	ND										Yes	Yes		CDM Smith	A. Coler			
RP-00012	265420-996515_Direct_NotQC_TEM-ISO_21	21	B	E2-3	ND										Yes	Yes		CDM Smith	A. Coler			
RP-00012	265420-996515_Direct_NotQC_TEM-ISO_22	22	B	C2-3	ND										Yes	Yes		CDM Smith	A. Coler			
RP-00012	265420-996515_Direct_NotQC_TEM-ISO_23	23	B	H4-6	ND										Yes	Yes		CDM Smith	A. Coler			
RP-00012	265420-996515_Direct_NotQC_TEM-ISO_24	24	B	K4-6	ND										Yes	Yes		CDM Smith	A. Coler			
RP-00017	265420-996520_Direct_NotQC_TEM-ISO_1	1	A	L3-6	ND										Yes	Yes		CDM Smith	A. Coler			x-NR
RP-00017	265420-996520_Direct_NotQC_TEM-ISO_2	2	A	L3-3	ND										Yes	Yes		CDM Smith	A. Coler			x-NR
RP-00017	265420-996520_Direct_NotQC_TEM-ISO_3	3	A	K3-6	ND										Yes	Yes		CDM Smith	A. Coler			x-NR
RP-00017	265420-996520_Direct_NotQC_TEM-ISO_4	4	A	K3-3	ND										Yes	Yes		CDM Smith	A. Coler			x-NR
RP-00017	265420-996520_Direct_NotQC_TEM-ISO_5	5	A	H3-6	ND										Yes	Yes		CDM Smith	A. Coler			x-NR
RP-00017	265420-996520_Direct_NotQC_TEM-ISO_6	6	A	H3-3	ND										Yes	Yes		CDM Smith	A. Coler			x-NR
RP-00017	265420-996520_Direct_NotQC_TEM-ISO_7	7	A	G3-6	ND										Yes	Yes		CDM Smith	A. Coler			x-NR
RP-00017	265420-996520_Direct_NotQC_TEM-ISO_8	8	A	G3-3	ND										Yes	Yes		CDM Smith	A. Coler			x-NR
RP-00017	265420-996520_Direct_NotQC_TEM-ISO_9	9	A	E3-6	ND										Yes	Yes		CDM Smith	A. Coler			x-NR
RP-00017	265420-996520_Direct_NotQC_TEM-ISO_10	10	A	E3-3	ND										Yes	Yes		CDM Smith	A. Coler			x-NR
RP-00017	265420-996520_Direct_NotQC_TEM-ISO_11	11	A	B3-6	ND										Yes	Yes		CDM Smith	A. Coler			x-NR
RP-00017	265420-996520_Direct_NotQC_TEM-ISO_12	12	A	B3-3	ND										Yes	Yes		CDM Smith	A. Coler			x-NR
RP-00017	265420-996520_Direct_NotQC_TEM-ISO_13	13	A	A3-6	ND										Yes	Yes		CDM Smith	A. Coler			x-NR
RP-00017	265420-996520_Direct_NotQC_TEM-ISO_14	14	A	L4-4	ND										Yes	Yes		CDM Smith	A. Coler			x-NR
RP-00017	265420-996520_Direct_NotQC_TEM-ISO_15	15	A	L4-1	ND										Yes	Yes		CDM Smith	A. Coler			x-NR
RP-00017	265420-996520_Direct_NotQC_TEM-ISO_16	16	A	K4-4	ND										Yes	Yes		CDM Smith	A. Coler			x-NR
RP-00017	265420-996520_Direct_NotQC_TEM-ISO_17	17	A	K4-1	ND										Yes	Yes		CDM Smith	A. Coler			x-NR
RP-00017	265420-996520_Direct_NotQC_TEM-ISO_18	18	A	H4-4	ND										Yes	Yes		CDM Smith	A. Coler			x-NR
RP-00017	265420-996520_Direct_NotQC_TEM-ISO_19	19	A	H4-1	ND										Yes	Yes		CDM Smith	A. Coler			x-NR
RP-00017	265420-996520_Direct_NotQC_TEM-ISO_20	20	A	G4-4	ND										Yes	Yes		CDM Smith	A. Coler			x-NR
RP-00017	265420-996520_Direct_NotQC_TEM-ISO_21	21	A	G4-1	ND										Yes	Yes		CDM Smith	A. Coler			x-NR
RP-00017	265420-996520_Direct_NotQC_TEM-ISO_22	22	A	F4-4	ND										Yes	Yes		CDM Smith	A. Coler			x-NR
RP-00017	265420-996520_Direct_NotQC_TEM-ISO_23	23	A	F4-1	ND										Yes	Yes		CDM Smith	A. Coler			x-NR
RP-00017	265420-996520_Direct_NotQC_TEM-ISO_24	24	A	E4-1	ND										Yes	Yes		CDM Smith	A. Coler			x-NR
RP-00017	265420-996520_Direct_NotQC_TEM-ISO_25	25	A	E4-4	ND										Yes	Yes		CDM Smith	A. Coler			x-NR
RP-00017	265420-996520_Direct_NotQC_TEM-ISO_26	26	A	B5-1	ND										Yes	Yes		CDM Smith	A. Coler			x-NR
RP-00017	265420-996520_Direct_NotQC_TEM-ISO_27	27	A	A5-1	ND										Yes	Yes		CDM Smith	A. Coler			x-NR
RP-00017	265420-996520_Direct_NotQC_TEM-ISO_28	28	B	K2-3	ND										Yes	Yes		CDM Smith	A. Coler			x-NR
RP-00017	265420-996520_Direct_NotQC_TEM-ISO_29	29	B	H2-3	ND										Yes	Yes		CDM Smith	A. Coler			x-NR
RP-00017	265420-996520_Direct_NotQC_TEM-ISO_30	30	B	G2-3	ND										Yes	Yes		CDM Smith	A. Coler			x-NR
RP-00017	265420-996520_Direct_NotQC_TEM-ISO_31	31	B	F2-3	ND										Yes	Yes		CDM Smith	A. Coler			x-NR
RP-00017	265420-996520_Direct_NotQC_TEM-ISO_32	32	B	E2-3	ND										Yes	Yes		CDM Smith	A. Coler			x-NR
RP-00017	265420-996520_Direct_NotQC_TEM-ISO_33	33	B	C2-3	ND										Yes	Yes		CDM Smith	A. Coler			x-NR
RP-00017	265420-996520_Direct_NotQC_TEM-ISO_34	34	B	B2-3	ND										Yes	Yes		CDM Smith	A. Coler			x-NR
RP-00017	265420-996520_Direct_NotQC_TEM-ISO_35	35	B	H3-4	ND										Yes	Yes		CDM Smith	A. Coler			x-NR
RP-00017	265420-996520_Direct_NotQC_TEM-ISO_36	36	B	G3-1	ND										Yes	Yes		CDM Smith	A. Coler			x-NR
RP-00017	265420-996520_Direct_NotQC_TEM-ISO_37	37	B	F3-1	ND										Yes	Yes		CDM Smith	A. Coler			x-NR
RP-00017	265420-996520_Direct_NotQC_TEM-ISO_38	38	B	E3-4	ND										Yes	Yes		CDM Smith	A. Coler			x-NR
RP-00017	265420-996520_Direct_NotQC_TEM-ISO_39	39	B	C3-1	ND										Yes	Yes		CDM Smith	A. Coler			x-NR
RP-00017	265420-996520_Direct_NotQC_TEM-ISO_40	40	B	L3-6	ND										Yes	Yes		CDM Smith	A. Coler			x-NR
RP-00017	265420-996520_Direct_NotQC_TEM-ISO_41	41	B	K3-6	ND										Yes	Yes		CDM Smith	A. Coler			x-NR
RP-00017	265420-996520_Direct_NotQC_TEM-ISO_42	42	B	H3-6	ND										Yes	Yes		CDM Smith	A. Coler			x-NR
RP-00017	265420-996520_Direct_NotQC_TEM-ISO_43	43	B	G3-6	ND										Yes	Yes		CDM Smith	A. Coler			x-NR
RP-00017	265420-996520_Direct_NotQC_TEM-ISO_44	44	B	F3-6	ND										Yes	Yes		CDM Smith	A. Coler			x-NR
RP-00017	265420-996520_Direct_NotQC_TEM-ISO_45	45	B	E3-6	ND										Yes	Yes		CDM Smith	A. Coler			x-NR
RP-00017	265420-996520_Direct_NotQC_TEM-ISO_46	46	B	L4-6	ND										Yes	Yes		CDM Smith	A. Coler			x-NR
RP-00017	265420-996520_Direct_NotQC_TEM-ISO_47	47	B	K4-6	ND										Yes	Yes		CDM Smith	A. Coler			x-NR
RP-00017	265420-996520_Direct_NotQC_TEM-ISO_48	48	B	H4-6	ND										Yes	Yes		CDM Smith	A. Coler			x-NR
RP-00017	265420-996520_Direct_NotQC_TEM-ISO_49	49	B	G4-6	ND										Yes	Yes		CDM Smith	A. Coler			x-NR
RP-00017	265420-996520_Direct_NotQC_TEM-ISO_50	50	B	F4-6	ND										Yes	Yes		CDM Smith	A. Coler			x-NR
RP-00017	265420-996520_Direct_NotQC_TEM-ISO_51	51	B	E4-6	ND										Yes	Yes		CDM Smith	A. Coler			x-NR
RP-00017	265420-996520_Direct_NotQC_TEM-ISO_52	52	B	C4-6	ND										Yes	Yes		CDM Smith	A. Coler			x-NR
RP-00017	265420-996520_Direct_NotQC_TEM-ISO_53	53	B	B4-6	ND										Yes	Yes		CDM Smith	A. Coler			x-NR
RP-00017	265420-996520_Direct_NotQC_TEM-ISO_54	54	B	E5-3	ND										Yes	Yes		CDM Smith	A. Coler			x-NR
RP-00017	265420-996520_Direct_NotQC_TEM-ISO_55	55	B	C5-3	ND										Yes	Yes		CDM Smith	A. Coler			x-NR

ATTACHMENT 1B. DATA SUMMARY OF STRUCTURE INFORMATION

Samp No	StructureID	Row Index	Grid	Grid Opening	Structure Type	Primary	Total	Length	Width	AR	Mineral Class	Mineral Desc	EDXA Observation	Structure Identification	Chrysotile Count	Low Mag	Structure Comment	Verifier's Company	Verifier's Name	Comment	Correction Date	DVC
RP-00020	031337357-0003_Direct_NotQC_TEM-ISO_1	1	B1	C1	ND										Yes	Yes		CDM Smith	A. Coler			
RP-00020	031337357-0003_Direct_NotQC_TEM-ISO_2	2	B1	C3	ND										Yes	Yes		CDM Smith	A. Coler			
RP-00020	031337357-0003_Direct_NotQC_TEM-ISO_3	3	B1	C5	ND										Yes	Yes		CDM Smith	A. Coler			
RP-00020	031337357-0003_Direct_NotQC_TEM-ISO_4	4	B1	C7	ND										Yes	Yes		CDM Smith	A. Coler			
RP-00020	031337357-0003_Direct_NotQC_TEM-ISO_5	5	B1	C9	F	0	0	36	1.3	27.69230769	NAM	UN	XK	NAM	Yes	Yes		CDM Smith	A. Coler			
RP-00020	031337357-0003_Direct_NotQC_TEM-ISO_6	6	B2	I1	ND										Yes	Yes		CDM Smith	A. Coler			
RP-00020	031337357-0003_Direct_NotQC_TEM-ISO_7	7	B2	I3	ND										Yes	Yes		CDM Smith	A. Coler			
RP-00020	031337357-0003_Direct_NotQC_TEM-ISO_8	8	B2	I5	ND										Yes	Yes		CDM Smith	A. Coler			
RP-00020	031337357-0003_Direct_NotQC_TEM-ISO_9	9	B2	I7	ND										Yes	Yes		CDM Smith	A. Coler			
RP-00020	031337357-0003_Direct_NotQC_TEM-ISO_10	10	B2	I9	ND										Yes	Yes		CDM Smith	A. Coler			
RP-00020	031337357-0003_Direct_NotQC_TEM-ISO_11	11	B3	C2	ND										Yes	Yes	Analyzed on 11/1/13	CDM Smith	A. Coler			
RP-00020	031337357-0003_Direct_NotQC_TEM-ISO_12	12	B3	C4	ND										Yes	Yes	Analyzed on 11/1/13	CDM Smith	A. Coler			
RP-00020	031337357-0003_Direct_NotQC_TEM-ISO_13	13	B3	C6	ND										Yes	Yes	Analyzed on 11/1/13	CDM Smith	A. Coler			
RP-00020	031337357-0003_Direct_NotQC_TEM-ISO_14	14	B3	C8	ND										Yes	Yes	Analyzed on 11/1/13	CDM Smith	A. Coler			
RP-00020	031337357-0003_Direct_NotQC_TEM-ISO_15	15	B3	C10	ND										Yes	Yes	Analyzed on 11/1/13	CDM Smith	A. Coler			
RP-00020	031337357-0003_Direct_NotQC_TEM-ISO_16	16	B3	E10	ND										Yes	Yes	Analyzed on 11/1/13	CDM Smith	A. Coler			

ATTACHMENT 2 – TEM LABORATORY BENCHSHEETS

Revised

LIBBY

TEM Asbestos Structure Count_Air-DustEDD_389

Laboratory ID:	RESI
Instrument ID	JEOL 100 CX (S)
Voltage (KV)	100
Mag.	5000 HIGH / LOW
Grid opening area (mm2)	0.201
Scale: 1L =	1.39
Scale: 1D =	0.28
Primary filter area (mm2)	385
Secondary Filter Area (mm2)	
Category (Field, Blank)	Field
Primary filter pore size (um)	0.8

EPA Sample Number:	RP-00006	Tag:	AL1
Matrix (A=Air, D=Dust, DF = Dustfall):	A		
Air volume (L), dust area (cm2); or dustfall container area (cm2)	306		
Date received by lab	7-15-13 ~~7/29/2013~~		
Lab Job Number:	264364		
Lab Sample Number:	264364-988839		
Number of grids prepared	4		
Prepared by	EA		
Preparation date	8/6/2013		
EPA COC Number:	23958		
Secondary filter pore size (um)			

Analyzed by:	J. Bernard
Analysis date	8/7/2013
Method (D=Direct, I=Indirect, IA=Indirect-ashed)	D
If sample type = air, is there loose material or debris in the cowl? (Yes, No)	No
Analysis Method (TEM-ISO, TEM-AHERA, TEM-ASTM)	TEM-ISO
Grid storage location	264364
Archive filter(s) storage location	264364
Lab QC Type (Not QC, Recount Same, Recount Different, Re-prep, Verified Analysis, Reconciliation, Lab Blank, Interlab)	Not QC
Estimated Particulate Loading (%)	15

Recording Rules:

Minimum Aspect Ratio (circle one): none / ≥ 3:1 / ≥ 5:1

Minimum Length (um):	5
Minimum Width (um):	0.25

Stopping Rules:

Target Sensitivity:	0.018 cc^-1
Max Area Examined:	10 mm^2
Target # of Structures:	25 PCME LA

F-Factor Calculation (Indirect Preps Only):

Enter data in appropriate cells provided to the right---->

Grid	Grid Opening	Structure Type	No. of Structures: Primary	No. of Structures: Total	Dimensions: Length	Dimensions: Width	Identification	Mineral Class (see below): LA	OA	CH	NAM	Mineral Desc	EDXA	Sketch/ Comments	1 = yes, blank = no: Sketch	Photo	EDS	CH Not Counted
A	E2-3	ND																
	C2-3	ND																
	B2-3	ND					Prep Lab		70%									
	E4-4	ND																
B	G3-1	ND																
	F3-1	ND																
	E3-1	ND																
	C3-1	ND																

F-factor Calculation:

Indirect Prep Inputs

	Fraction of primary filter used for indirect prep or ashing *[For dust and dustfall, enter 1.0]*
	First resuspension volume or rinsate volume (mL)
	Volume applied to secondary filter (mL) or used for serial dilution

Inputs for Serial Dilutions

	Second resuspension volume (mL)
	Volume applied to secondary filter (mL) or used for serial dilution
	Third resuspension volume (mL)
	Volume applied to secondary filter (mL)

Input for Ashing of Secondary Filter

	Fraction of secondary filter used for ashing

LA = Libby-type amphibole OA = Other (non-Libby type) amphibole CH = Chrysotile NAM = Non-asbestos material

If sample was analyzed by more than one analyst or across multiple analysis dates, enter analysis details below.

Analyzed by:		
Analysis date:		
Instrument:		

Grid opening traverse direction (circle one): H Horizontal / V Vertical

Are prepped grids acceptable for analysis? (circle one) Yes / No

If No, explain:

SUPPLEMENTAL AIR ANALYSIS:

	Achieved sensitivity (cc^{-1}) from the original analysis

ACV

LIBBY

TEM Asbestos Structure Count_Air-DustEDD_38g

Laboratory ID:	RESI
Instrument ID	JEOL 100 CX (S)
Voltage (KV)	100
Mag.	5000 HIGH / LOW
Grid opening area (mm2)	0.01
Scale: 1L =	1.39
Scale: 1D =	0.28
Primary filter area (mm2)	385
Secondary Filter Area (mm2)	
Category (Field, Blank)	Field
Primary filter pore size (um)	0.8

EPA Sample Number:	RP-00006	Tag:	AL1
Matrix (A=Air, D=Dust, DF = Dustfall):	A		
Air volume (L), dust area (cm2); or dustfall container area (cm2)	306		
Date received by lab	7/29/2013		
Lab Job Number:	264364		
Lab Sample Number:	264364-988839		
Number of grids prepared	4		
Prepared by	EA		
Preparation date	8/6/2013		
EPA COC Number:	23958		
Secondary filter pore size (um)			

Analyzed by:	J. Bernard
Analysis date	8/7/2013
Method (D=Direct, I=Indirect, IA=Indirect-ashed)	D
If sample type = air, is there loose material or debris in the cowl? (Yes, No)	No
Analysis Method (TEM-ISO, TEM-AHERA, TEM-ASTM)	TEM-ISO
Grid storage location	264364
Archive filter(s) storage location	264364
Lab QC Type (Not QC, Recount Same, Recount Different, Re-prep, Verified Analysis, Reconciliation, Lab Blank, Interlab)	Not QC
Estimated Particulate Loading (%)	15

Recording Rules:

Minimum Aspect Ratio (circle one):	none / ≥ 3:1 / ≥ 5:1
Minimum Length (um):	5
Minimum Width (um):	0.25

Stopping Rules:

Target Sensitivity:	0.018 cc^-1
Max Area Examined:	10 mm^2
Target # of Structures:	25 PCME LA

F-Factor Calculation (Indirect Preps Only):

Enter data in appropriate cells provided to the right----->

Grid	Grid Opening	Structure Type	No. of Structures Primary	No. of Structures Total	Dimensions Length	Dimensions Width	Identification	Mineral Class (see below) LA	OA	CH	NAM	Mineral Desc	EDXA	Sketch/ Comments	1 = yes, blank = no Sketch	Photo	EDS	CH Not Counted
A	E2-3	ND																
	C2-3	ND																
	B2-3	ND					Prep A&B		70%									
	E4-4	ND																
B	G3-1	ND																
	F3-1	ND																
	E3-1	ND																
	C3-1	ND																

F-factor Calculation:

Indirect Prep Inputs

	Fraction of primary filter used for indirect prep or ashing *[For dust and dustfall, enter 1.0]*
	First resuspension volume or rinsate volume (mL)
	Volume applied to secondary filter (mL) or used for serial dilution

Inputs for Serial Dilutions

	Second resuspension volume (mL)
	Volume applied to secondary filter (mL) or used for serial dilution
	Third resuspension volume (mL)
	Volume applied to secondary filter (mL)

Input for Ashing of Secondary Filter

	Fraction of secondary filter used for ashing

LA = Libby-type amphibole OA = Other (non-Libby type) amphibole CH = Chrysotile NAM = Non-asbestos material

Are prepped grids acceptable for analysis? (circle one) Yes No

If No, explain:

8

If sample was analyzed by more than one analyst or across multiple analysis dates, enter analysis details below.

Analyzed by:		
Analysis date:		
Instrument:		

Grid opening traverse direction (circle one):

H Horizontal

V Vertical

0/8

SUPPLEMENTAL AIR ANALYSIS:

	Achieved sensitivity (cc^{-1}) from the original analysis

AC

Str

LIBBY

TEM Asbestos Structure Count_Air-DustEDD_38g

Laboratory ID:	RESI
Instrument ID	JEOL 100 CX (N)
Voltage (KV)	100
Mag.	5,000 HIGH / LOW
Grid opening area (mm2)	0.01
Scale: 1L =	1.16 um
Scale: 1D =	0.23 um
Primary filter area (mm2)	385
Secondary Filter Area (mm2)	N/A
Category (Field, Blank)	Field
Primary filter pore size (um)	0.8

EPA Sample Number:	RP-00012	Tag:	AL1
Matrix (A=Air, D=Dust, DF = Dustfall):	A		
Air volume (L), dust area (cm2), or dustfall container area (cm2)	612		
Date received by lab	07/29/2013		
Lab Job Number:	265420		
Lab Sample Number:	265420-996515		
Number of grids prepared	3		
Prepared by	EA		
Preparation date	08/06/2013		
EPA COC Number:	24074		
Secondary filter pore size (um)	N/A		

Analyzed by:	N. Zimbelman
Analysis date	08/15/2013
Method (D=Direct, I=Indirect, IA=Indirect-ashed)	D
If sample type = air, is there loose material or debris in the cowl? (Yes, No)	No
Analysis Method (TEM-ISO, TEM-AHERA, TEM-ASTM)	TEM-ISO
Grid storage location	265420
Archive filter(s) storage location	265420
Lab QC Type (Not QC, Recount Same, Recount Different, Re-prep, Verified Analysis, Reconciliation, Lab Blank, Interlab)	Not QC
Estimated Particulate Loading (%)	5

F-Factor Calculation (Indirect Preps Only):

Enter data in appropriate cells provided to the right----->

Recording Rules:

Minimum Aspect Ratio (circle one): none | ≥ 3:1 | ≥ 5:1

Minimum Length (um): 5

Minimum Width (um): 0.25

Stopping Rules:

Target Sensitivity: 0.003

Max Area Examined: 10 mm^2

Target # of Structures: 25 PCME LA

Grid	Grid Opening	Structure Type	No. of Structures		Dimensions		Identification	Mineral Class (see below)				Mineral Desc	EDXA	Sketch/ Comments	1 = yes, blank = no			CH Not Counted
			Primary	Total	Length	Width		LA	OA	CH	NAM				Sketch	Photo	EDS	
A	K2-3	ND																
	H2-3	ND																
	G2-3	ND																
	F2-3	ND																
	E2-3	ND																
	D2-3	ND																
	B2-3	ND																
	A2-6	ND																
	L3-3	ND																
	K3-3	ND																

F-factor Calculation:

Indirect Prep Inputs

	Fraction of primary filter used for indirect prep or ashing *(For dust and dustfall, enter 1.0)*
	First resuspension volume or rinsate volume (mL)
	Volume applied to secondary filter (mL) or used for serial dilution

Inputs for Serial Dilutions

	Second resuspension volume (mL)
	Volume applied to secondary filter (mL) or used for serial dilution
	Third resuspension volume (mL)
	Volume applied to secondary filter (mL)

Input for Ashing of Secondary Filter

	Fraction of secondary filter used for ashing

LA = Libby-type amphibole OA = Other (non-Libby type) amphibole CH = Chrysotile NAM = Non-asbestos material

Are prepped grids acceptable for analysis? (circle one) Yes No

If No, explain:

AC

10 If sample was analyzed by more than one analyst or across multiple analysis dates, enter analysis details below.

Analyzed by:		
Analysis date:		
Instrument:		

Grid opening traverse direction (circle one):

H Horizontal

V Vertical

1

25

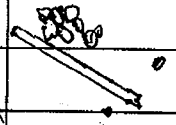
SUPPLEMENTAL AIR ANALYSIS:

	Achieved sensitivity (cc^{-1}) from the original analysis

LIBBY

TEM Asbestos Structure Count_Air-DustEDD_38g

Laboratory ID	RESI	EPA Sample Number	RP-00012	Lab QC Type	Not QC	Lab Job Number	265420
Lab Sample Number	265420-996515	Matrix	A	Analyst Name	N. Zimbelman	Grid Storage Loc.	265420

Grid	Grid Opening	Structure Type	No. of Structures		Dimensions		Identification	Mineral Class				Mineral Desc	EDXA	Sketch/Comments	1 = yes, blank = no			CH Not Counted
			Primary	Total	Length	Width		LA	OA	CH	NAM				Sketch	Photo	EDS	
A	H3-3	ND																
	G3-3	ND																
	F3-3	ND																
	E3-3	ND																
	C3-3	ND																
	B3-3	ND																
	A3-3	ND			Prep. A: 90% Structure; ~5% Debris													
B	G2-3	ND																
	H2-3	F	1	1	15½	5½	ADX	✓				WRTA	NaK		1		1	
DUP B2B13	G2-3	ND																
	F2-3	ND																
	E2-3	ND																
	C2-3	ND																
	H1-6	ND																
	K1-6	ND																

15

Revised

LIBBY

TEM Asbestos Structure Count_Air-DustEDD_38g

Laboratory ID:	REST		
Instrument ID	JEOL 100 CX (N)		
Voltage (KV)	100		
Mag.	5,000	HIGH / LOW	
Grid opening area (mm2)	0.01		
Scale: 1L =	1.16 um		
Scale: 1D =	0.23 um		
Primary filter area (mm2)	385		
Secondary Filter Area (mm2)	N/A		
Category (Field, Blank)	Field		
Primary filter pore size (um)	0.8		

EPA Sample Number:	RP-00017	Tag:	AL1
Matrix (A=Air, D=Dust, DF = Dustfall):	A		
Air volume (L), dust area (cm2), or dustfall container area (cm2)	301		
Date received by lab	07/29/2013		
Lab Job Number:	265420		
Lab Sample Number:	265420-998520		
Number of grids prepared	3		
Prepared by	EA		
Preparation date	08/06/2013		
EPA COC Number:	24074		
Secondary filter pore size (um)	N/A		

Analyzed by:	N. Zimbelman
Analysis date	08/19/2013
Method (D=Direct, I=Indirect, IA=Indirect-ashed)	D
If sample type = air, is there loose material or debris in the cowl? (Yes, No)	No
Analysis Method (TEM-ISO, TEM-AHERA, TEM-ASTM)	TEM-ISO
Grid storage location	265420
Archive filter(s) storage location	265420
Lab QC Type (Not QC, Recount Same, Recount Different, Re-prep, Verified Analysis, Reconciliation, Lab Blank, Interlab)	Not QC
Estimated Particulate Loading (%)	8

F-Factor Calculation (Indirect Preps Only):

Enter data in appropriate cells provided to the right——>

Recording Rules:

Minimum Aspect Ratio (circle one): none / ≥ 3:1 / ≥ 5:1

Minimum Length (um): 5

Minimum Width (um): 0.25

Stopping Rules:

Target Sensitivity: 0.018 ~~0.003~~

Max Area Examined: 10 mm^2

Target # of Structures: 25 PCME LA

Grid	Grid Opening	Structure Type	No. of Structures		Dimensions		Identification	Mineral Class (see below)				Mineral Desc	EDXA	Sketch/ Comments	1 = yes, blank = no			CH Not Counted
			Primary	Total	Length	Width		LA	OA	CH	NAM				Sketch	Photo	EDS	
A	L3-6	NA																
	L3-3	NA																
	K3-6	NA																
	K3-3	NA																
	H3-6	NA																
	H3-3	NA																
	G3-6	NA																
	G3-3	NA																
	E3-6	NA																
	E3-3	NA																

LA = Libby-type amphibole OA = Other (non-Libby type) amphibole CH = Chrysotile NAM = Non-asbestos material

If sample was analyzed by more than one analyst or across multiple analysis dates, enter analysis details below.

Analyzed by:		
Analysis date:		
Instrument:		

Grid opening traverse direction (circle one):

H Horizontal

V Vertical

Are prepped grids acceptable for analysis? (circle one) Yes No

If No, explain:

SUPPLEMENTAL AIR ANALYSIS:

Achieved sensitivity (cc^{-1}) from the original analysis

F-factor Calculation:

Indirect Prep Inputs

- Fraction of primary filter used for indirect prep or ashing *(For dust and dustfall, enter 1.0)*
- First resuspension volume or rinsate volume (mL)
- Volume applied to secondary filter (mL) or used for serial dilution

Inputs for Serial Dilutions

- Second resuspension volume (mL)
- Volume applied to secondary filter (mL) or used for serial dilution
- Third resuspension volume (mL)
- Volume applied to secondary filter (mL)

Input for Ashing of Secondary Filter

- Fraction of secondary filter used for ashing

LIBBY

TEM Asbestos Structure Count_Air-DustEDD_38g

Laboratory ID:	RESI
Instrument ID	JEOL 100 CX (N)
Voltage (KV)	100
Mag.	5,000 HIGH / LOW
Grid opening area (mm2)	0.01
Scale: 1L =	1.16 um
Scale: 1D =	0.23 um
Primary filter area (mm2)	385
Secondary Filter Area (mm2)	N/A
Category (Field, Blank)	Field
Primary filter pore size (um)	0.8

EPA Sample Number:	RP-00017	Tag:	AL1
Matrix (A=Air, D=Dust, DF = Dustfall):	A		
Air volume (L), dust area (cm2), or dustfall container area (cm2)	301		
Date received by lab	07/29/2013		
Lab Job Number:	265420		
Lab Sample Number:	265420-996520		
Number of grids prepared	3		
Prepared by	EA		
Preparation date	08/06/2013		
EPA COC Number:	24074		
Secondary filter pore size (um)	N/A		

Analyzed by:	N. Zimbelman
Analysis date	08/19/2013
Method (D=Direct, I=Indirect, IA=Indirect-ashed)	D
If sample type = air, is there loose material or debris in the cowl? (Yes, No)	No
Analysis Method (TEM-ISO, TEM-AHERA, TEM-ASTM)	TEM-ISO
Grid storage location	265420
Archive filter(s) storage location	265420
Lab QC Type (Not QC, Recount Same, Recount Different, Re-prep, Verified Analysis, Reconciliation, Lab Blank, Interlab)	Not QC
Estimated Particulate Loading (%)	8

Recording Rules:

Minimum Aspect Ratio (circle one): none ≥ 3:1 ≥ 5:1

Minimum Length (um): 5

Minimum Width (um): 0.25

Stopping Rules:

Target Sensitivity: 0.018 ~~<0.093~~

Max Area Examined: 10 mm^2

Target # of Structures: 25 PCME LA

F-Factor Calculation (Indirect Preps Only):

Enter data in appropriate cells provided to the right—>

Grid	Grid Opening	Structure Type	No. of Structures		Dimensions		Identification	Mineral Class (see below)				Mineral Desc	EDXA	Sketch/ Comments	1 = yes, blank = no			CH Not Counted
			Primary	Total	Length	Width		LA	OA	CH	NAM				Sketch	Photo	EDS	
A	L3-6	ND																
	L3-3	ND																
	K3-6	ND																
	K3-3	ND																
	H3-6	ND																
	H3-3	ND																
	G3-6	ND																
	G3-3	ND																
	E3-6	ND																
	E3-3	ND																

LA = Libby-type amphibole OA = Other (non-Libby type) amphibole CH = Chrysotile NAM = Non-asbestos material

F-factor Calculation: 3/4/13

Indirect Prep Inputs

- Fraction of primary filter used for indirect prep or ashing *(For dust and dustfall, enter 1.0)*
- First resuspension volume or rinsate volume (mL)
- Volume applied to secondary filter (mL) or used for serial dilution

Inputs for Serial Dilutions

- Second resuspension volume (mL)
- Volume applied to secondary filter (mL) or used for serial dilution
- Third resuspension volume (mL)
- Volume applied to secondary filter (mL)

Input for Ashing of Secondary Filter

- Fraction of secondary filter used for ashing

Are prepped grids acceptable for analysis? (circle one) Yes No

If No, explain:

10

If sample was analyzed by more than one analyst or across multiple analysis dates, enter analysis details below.

Analyzed by:		
Analysis date:		
Instrument:		

Grid opening traverse direction (circle one):

H Horizontal

Vertical

0/55 ✓ (NN 5% DVC

0/55

SUPPLEMENTAL AIR ANALYSIS:

Achieved sensitivity (cc^{-1}) from the original analysis

AEV

LIBBY

TEM Asbestos Structure Count_Air-DustEDD_38g

Laboratory ID	RESI	EPA Sample Number	RP-00017	Lab QC Type	Not QC	Lab Job Number	265420
Lab Sample Number	265420-996520	Matrix	A	Analyst Name	N. Zimbelman	Grid Storage Loc.	265420

Grid	Grid Opening	Structure Type	No. of Structures		Dimensions		Identification	Mineral Class				Mineral Desc	EDXA	Sketch/Comments	1 = yes, blank = no			CH Not Counted
			Primary	Total	Length	Width		LA	OA	CH	NAM				Sketch	Photo	EDS	
A	B3-6	WD																
	B3-3	WD																
	A3-6	WD																
	L4-4	WD																
	L4-1	WD																
	K4-4	WD																
	K4-1	WD																
	H4-4	WD																
	H4-1	WD																
	G4-4	WD																
	G4-1	WD																
	F4-4	WD																
	F4-1	WD																
	E4-1	WD																
	E4-4	WD																

15

LIBBY

TEM Asbestos Structure Count_Air-DustEDD_38g

Laboratory ID	RESI	EPA Sample Number	RP-00017	Lab QC Type	Not QC	Lab Job Number	265420
Lab Sample Number	265420-996520	Matrix	A	Analyst Name	N. Zimbelman	Grid Storage Loc.	265420

Grid	Grid Opening	Structure Type	No. of Structures		Dimensions		Identification	Mineral Class				Mineral Desc	EDXA	Sketch/Comments	1 = yes, blank = no			CH Not Counted
			Primary	Total	Length	Width		LA	OA	CH	NAM				Sketch	Photo	EDS	
A	B5-1	ND																
	A5-1	ND			Total A: 80% Chrysotile ~ 8 [illegible]													
B	K2-3	ND																
	H2-3	ND																
	G2-3	ND																
	F2-3	ND																
	E2-3	ND																
	D2-3	ND																
	B2-3	ND																
	H3-4	ND																
	G3-1	ND																
	F3-1	ND																
	E3-4	ND																
	D3-1	ND																
	L3-6	ND																

15

LIBBY

TEM Asbestos Structure Count_Air-DustEDD_38g

Laboratory ID	RESI	EPA Sample Number	RP-00017	Lab QC Type	Not QC	Lab Job Number	265420
Lab Sample Number	265420-996520	Matrix	A	Analyst Name	N. Zimbelman	Grid Storage Loc.	265420

Grid	Grid Opening	Structure Type	No. of Structures		Dimensions		Identification	Mineral Class				Mineral Desc	EDXA	Sketch/Comments	1 = yes, blank = no			CH Not Counted
			Primary	Total	Length	Width		LA	OA	CH	NAM				Sketch	Photo	EDS	
B	K3-6	ND																
	H3-6	ND																
	G3-6	ND																
	F3-6	ND																
	E3-6	ND																
	L4-6	ND																
	K4-6	ND																
	H4-6	ND																
	G4-6	ND																
	F4-6	ND																
	E4-6	ND																
	D4-6	ND																
	B4-6	ND																
	E5-3	ND																
	D5-3	ND						1 ~ wf		B:	90	[illegible]	~ 8%	[illegible]				

15

LIBBY

TEM Asbestos Structure Count_Air-DustEDD_38g

Laboratory ID:	EMSL-03
Instrument ID	JEOL 100 CX II (03-01)
Voltage (KV)	100
Mag.	5,000 HIGH (LOW)
Grid opening area (mm2)	0.0128
Scale: 1L =	1
Scale: 1D =	1
Primary filter area (mm2)	385
Secondary Filter Area (mm2)	
Category (Field, Blank)	Field
Primary filter pore size (um)	0.8um

EPA Sample Number:	RP-00020	Tag:	AL1
Matrix (A=Air, D=Dust, DF = Dustfall):	A		
Air volume (L), dust area (cm2), or dustfall container area (cm2)	652		
Date received by lab	9/20/2013		
Lab Job Number:	031337357		
Lab Sample Number:	031337357 - 0003		
Number of grids prepared	7		
Prepared by	W. BIS		
Preparation date	10/14/2013		
EPA COC Number:	24420		
Secondary filter pore size (um)			

Analyzed by:	D. YOUNG
Analysis date	10/29/2013
Method (D=Direct, I=Indirect, IA=Indirect-ashed)	D
If sample type = air, is there loose material or debris in the cowl? (Yes, No)	No
Analysis Method (TEM-ISO, TEM-AHERA, TEM-ASTM)	TEM-ISO
Grid storage location	TechLaw-002 B(1-7)
Archive filter(s) storage location	ESAT Archive
Lab QC Type (Not QC, Recount Same, Recount Different, Re-prep, Verified Analysis, Reconciliation, Lab Blank, Interlab)	Not QC
Estimated Particulate Loading (%)	5-10%

F-Factor Calculation (Indirect Preps Only):

Enter data in appropriate cells provided to the right----->

Recording Rules:

Minimum Aspect Ratio (circle one): none (≥3:1) ≥5:1

Minimum Length (um): 0.5 5.0 DY 10/24/13

Minimum Width (um): 0.25

Stopping Rules:

Target Sensitivity: 0.003cc^-1

Max Area Examined: 10mm^2

Target # of Structures: 25 PCME LA

Grid	Grid Opening	Structure Type	No. of Structures Primary	No. of Structures Total	Dimensions Length	Dimensions Width	Identification	Mineral Class (see below) LA	OA	CH	NAM	Mineral Desc	EDXA	Sketch/ Comments	1 = yes, blank = no Sketch	Photo	EDS	CH Not Counted
B1	C1	ND																
	C3	↓																
	C5	↓																
	C7	↓																
	C9	F	Ø	Ø	36.0	1.3	nam				✓	un	XK	Al Fe. High NoFe	✓		✓	
B2	I1	ND																
	I3	↓																
	I5	↓																
	I7	↓																
	I9	↓																

F-factor Calculation:

Indirect Prep Inputs

- Fraction of primary filter used for indirect prep or ashing *[For dust and dustfall, enter 1.0]*
- First resuspension volume or rinsate volume (mL)
- Volume applied to secondary filter (mL) or used for serial dilution

Inputs for Serial Dilutions

- Second resuspension volume (mL)
- Volume applied to secondary filter (mL) or used for serial dilution
- Third resuspension volume (mL)
- Volume applied to secondary filter (mL)

Input for Ashing of Secondary Filter

- Fraction of secondary filter used for ashing

LA = Libby-type amphibole OA = Other (non-Libby type) amphibole CH = Chrysotile NAM = Non-asbestos material

If sample was analyzed by more than one analyst or across multiple analysis dates, enter analysis details below.

Analyzed by:		
Analysis date:		
Instrument:		

Grid opening traverse direction (circle one): H Horizontal (V Vertical)

Are prepped grids acceptable for analysis? (circle one) (Yes) No

If No, explain:

0/16

SUPPLEMENTAL AIR ANALYSIS:

Achieved sensitivity (cc^{-1}) from the original analysis

AC

LIBBY

TEM Asbestos Structure Count_Air-DustEDD_38g

Laboratory ID	EMSL-03	EPA Sample Number	RP-00020	Lab QC Type	Not QC	Lab Job Number	031337357
Lab Sample Number	0003	Matrix	A	Analyst Name	D. YOUNG	Grid Storage Loc.	TechLaw-002 B(1-7)

Grid	Grid Opening	Structure Type	No. of Structures		Dimensions		Identification	Mineral Class				Mineral Desc	EDXA	Sketch/Comments	1 = yes, blank = no			CH Not Counted
			Primary	Total	Length	Width		LA	OA	CH	NAM				Sketch	Photo	EDS	
B3	C2	ND												Add'l Analysis 11/1/13				
	C4																	
	C6																	
	C8																	
	C10																	
	E10																	
									D.Young 11/12/13									

Libby Asbestos Superfund Site
David S. Thompson Search and Rescue Clearance
Operable Unit 1
Lincoln County, Montana

Data Verification Report

EPA Contract No. EP-S8-11-02

Task Order No.: 0005
EPA RPM: Dania Zinner

August 2014

Prepared for:

U.S. Environmental Protection Agency
Region 8
1595 Wynkoop Street
Denver, Colorado 80202

Prepared by:

CDM Federal Programs Corporation
555 17th Street, Suite 1200
Denver, Colorado 80202

TEM CONSISTENCY REVIEW AND DATA TRANSFER VERIFICATION REPORT

Project/Dataset Description: **Libby Asbestos Superfund Site, Operable Unit 1, David S. Thompson Search and Rescue – Clearance Air Analytical Results**

SUMMARY OF FINDINGS AND DATA QUALITY IMPLICATIONS

A verification of 100% of the search and rescue building clearance air sample results analyzed by transmission electron microscopy (TEM) Asbestos Hazard Emergency Response Act (AHERA) was performed. This effort also included the verification of supplemental analysis results by TEM International Organization for Standardization (ISO) 10312. This verification effort was based on the Libby Scribe databases and the final laboratory reports as provided by TechLaw in accordance with Standard Operating Procedure EPA-LIBBY-09 (revision 2).

No discrepancies were identified in the TEM analytical results, data transfer from the benchsheets to the electronic data deliverable (EDD) or to the project database.

The Data Verification Coordinator has performed a check of 5% of the analyses verified to ensure that any potential issues were identified correctly. No deficiencies were noted.

RECOMMENDATIONS FOR FUTURE REVIEW AND VERIFICATION

No discrepancies were identified; therefore, there is no need to perform future review or verification efforts for this dataset.

Data Verifier: Angela Colee *Date:* 8/12/14

Data Verification Coordinator: Natalie Ron *Date:* 8·12·14

Verification Data Manager:* Natalie Ron *Date:* 8·12·14

The Verification Data Manager acknowledges that all potential issues discovered during the verification process have been resolved.

CONSISTENCY REVIEW RESULTS

Number of analyses reviewed: 10 (100% of total analyses selected)

Number of analyses with recording issues identified[1]: 0 (0% of total analyses reviewed)

DATA TRANSFER VERIFICATION RESULTS

Number of analyses verified: 10 (100% of total analyses selected)

Number of analyses with data transfer issues identified: 0 (0% of total analyses verified)

Comments: Attachment 1A (Data Summary of Analytical and Result Information) and Attachment 1B (Data Summary of Structure Information) contain the details of the verification. Attachment 2 contains the laboratory benchsheets that were used for this verification effort.

[1] Recording issues are discrepancies associated with the analyst not recording structures in accordance with the analytical method (e.g., structure type, mineral class, structure comments, energy dispersive x-ray analysis [EDXA] observation).

ATTACHMENT 1A. DATA SUMMARY OF ANALYTICAL AND RESULT INFORMATION

DVC - S%	Samp No	File Revision No	Lab ID	Instrument	Mag High	Mag Low	GO Size	EFA	Tag	Analysis Quantity	Analysis Quantity Units	Receipt Date	Lab Job Number	Lab SampleID	Number Grid Prep	Preparer Name	Prep Date	Analyst Name	Analysis Date	Prep Method	Loose Material	Analysis Method	Est Filter Loading	Indirect Fraction Primary Filter	Aliquot 1	Volume 1	F Factor	Analysis Comments
	3R-05242	0	ESATR8	JEOL JEM-1011 (C24)		5000	0.0099	360	AL1	1233	L	5/20/2014	A140122	A140122-01	6	R. Pescador/EMSL27	7/20/2012	D. Kent	5/29/2014	Indirect - Ashed	No	TEM-ISO	8	0.5	50	100	0.25	Grid prep by N. DelHierro on 05/29/2014. Also analyzed on: 05/30/2014.
x-NR	3R-05242	1	EMSL27	JEOL 100 CX II (27-2)	19000		0.013	360	AL1	1233	L	7/19/2012	271200595	271200595-0001	3	R. Pescador	7/20/2012	E.Wyatt-Pescador	7/24/2012	Indirect - Ashed	No	TEM-AHERA	10	0.5	50	100	0.25	C1 on 7/30/12 to add check data
x-NR	3R-05243	0	ESATR8	JEOL JEM-1011 (C24)		5000	0.0099	360	AL1	1233	L	5/20/2014	A140122	A140122-02	6	R. Pescador/EMSL27	7/20/2012	N. DelHierro	5/30/2014	Indirect - Ashed	No	TEM-ISO	20	0.5	50	100	0.25	Grid prep by N. DelHierro on 05/29/2014. Also Analyzed on: 06/02/2014, 06/03/2014
	3R-05243	1	EMSL27	JEOL 100 CX II (27-2)	19000		0.013	360	AL1	1233	L	7/19/2012	271200595	271200595-0002	3	R. Pescador	7/20/2012	E.Wyatt-Pescador	7/24/2012	Indirect - Ashed	No	TEM-AHERA	10	0.5	50	100	0.25	
	3R-05244	0	ESATR8	JEOL JEM-1011 (C24)		5000	0.0099	360	AL1	1233	L	5/20/2014	A140122	A140122-03	6	R. Pescador/EMSL27	7/20/2012	N. DelHierro	6/4/2014	Indirect - Ashed	No	TEM-ISO	25	0.5	50	100	0.25	Put on grids by N. DelHierro on 05/29/2014. Also Analyzed on: 06/05/2014, 06/06/2014, 06/09/2014
	3R-05244	0	EMSL27	JEOL 100 CX II (27-2)	19000		0.013	360	AL1	1233	L	7/19/2012	271200595	271200595-0003	3	R. Pescador	7/20/2012	E.Wyatt-Pescador	7/24/2012	Indirect - Ashed	No	TEM-AHERA	15	0.5	50	100	0.25	
	3R-05245	0	ESATR8	JEOL JEM-1011 (C24)		5000	0.0099	360	AL1	1233	L	5/20/2014	A140122	A140122-04	6	R. Pescador/EMSL27	7/20/2012	D. Kent	6/9/2014	Indirect - Ashed	No	TEM-ISO	25	0.5	50	100	0.25	Grid Prep by N. DelHierro on 05/29/2014. Also analyzed on: 06/10/2014, 06/11/2014.
	3R-05245	0	EMSL27	JEOL 100 CX II (27-2)	19000		0.013	360	AL1	1233	L	7/19/2012	271200595	271200595-0004	3	R. Pescador	7/20/2012	E.Wyatt-Pescador	7/24/2012	Indirect - Ashed	No	TEM-AHERA	25	0.5	50	100	0.25	
	3R-05246	0	ESATR8	JEOL JEM-1011 (C24)		5000	0.0099	360	AL1	1233	L	5/20/2014	A140122	A140122-05	6	R. Pescador/EMSL27	7/20/2012	N. DelHierro	6/11/2014	Indirect - Ashed	No	TEM-ISO	25	0.5	50	100	0.25	Grid Prep by N. DelHierro on 05/29/2014. Also analyzed by D. Kent on: 06/12/2014, 06/13/2014.
	3R-05246	0	EMSL27	JEOL 100 CX II (27-2)	19000		0.013	360	AL1	1233	L	7/19/2012	271200595	271200595-0005	3	R. Pescador	7/20/2012	E.Wyatt-Pescador	7/24/2012	Indirect - Ashed	No	TEM-AHERA	20	0.5	50	100	0.25	

DVC - S%	Samp No	Recording Rules						Stopping Rules				Grid Openings Counted				STRUCTCNTHIGHMAG			STRUCTCNTPCME			Sensitivity - High Mag		Sensitivity - PCME		STRUCTCONCHIGHMAG			STRUCTCONCPCME			Stopping Rule Achieved	Area Examined	Verifier's Company	Verifier's Name
		Min AR High	Min AR Low	Min Length High	Min Length Low	Min Width High	Min Width Low	Target Sens	Maximum GOs	Max Area Examined	Target N Strucs	LA/OA High	LA/OA Low	Chrys High	Chrys Low	LA	OA	CH	LA	OA	CH	LA/OA	CH	LA/OA	CH	LA	OA	CH	LA	OA	CH				
	3R-05242		3:1		5		0.25			4.95	25		500		500				3	0	0			0.000236	0.000236				0.000708	0	0	Grid Openings Counted	4.95	CDM Smith	A. Coler
x-NR	3R-05242	5:1		0.5		0		0.005		0.1	50	10	10	10		0	0	0				0.0090	0.0090			0	0	0					Area Examined	0.13	CDM Smith	A. Coler
x-NR	3R-05243		3:1		5		0.25			4.95	25		500		500				4	0	0			0.000236	0.000236				0.000944	0	0	Grid Openings Counted	4.95	CDM Smith	A. Coler
	3R-05243	5:1		0.5		0		0.005		0.1	50	10	10	10		0	0	0				0.0090	0.0090			0	0	0					Area Examined	0.13	CDM Smith	A. Coler
	3R-05244		3:1		5		0.25			4.95	25		500		500				2	0	0			0.000236	0.000236				0.000472	0	0	Grid Openings Counted	4.95	CDM Smith	A. Coler
	3R-05244	5:1		0.5		0		0.005		0.1	50	10	10	10		0	0	0				0.0090	0.0090			0	0	0					Area Examined	0.13	CDM Smith	A. Coler
	3R-05245		3:1		5		0.25			4.95	25		500		500				2	0	0			0.000236	0.000236				0.000472	0	0	Grid Openings Counted	4.95	CDM Smith	A. Coler
	3R-05245	5:1		0.5		0		0.005		0.1	50	10	10	10		0	0	0				0.0090	0.0090			0	0	0					Area Examined	0.13	CDM Smith	A. Coler
	3R-05246		3:1		5		0.25			4.95	25		500		500				3	0	0			0.000236	0.000236				0.000708	0	0	Grid Openings Counted	4.95	CDM Smith	A. Coler
	3R-05246	5:1		0.5		0		0.005		0.1	50	10	10	10		0	0	0				0.0090	0.0090			0	0	0					Area Examined	0.13	CDM Smith	A. Coler

ATTACHMENT 1B. DATA SUMMARY OF STRUCTURE INFORMATION

DVC	Samp No	Analysis Method	Analysis ID	StructureID	Row Index	Grid	Grid Opening	Structure Type	Primary	Total	Length	Width	AR	Mineral Class	Mineral Desc	EDXA Observation	Structure Identification	Chrysotile Count	Low Mag	Structure Comment	Verifier's Company	Verifier's Name
x-NR	3R-05242	TEM-AHERA	271200595-0001_Indirect-Ashed_NotQC	271200595-0001_Indirect-Ashed_NotQC_1	1	D1	G5	ND										Yes	No		CDM Smith	A. Coler
x-NR	3R-05242	TEM-AHERA	271200595-0001_Indirect-Ashed_NotQC	271200595-0001_Indirect-Ashed_NotQC_2	2	D1	G3	ND										Yes	No		CDM Smith	A. Coler
x-NR	3R-05242	TEM-AHERA	271200595-0001_Indirect-Ashed_NotQC	271200595-0001_Indirect-Ashed_NotQC_3	3	D1	G1	ND										Yes	No		CDM Smith	A. Coler
x-NR	3R-05242	TEM-AHERA	271200595-0001_Indirect-Ashed_NotQC	271200595-0001_Indirect-Ashed_NotQC_4	4	D1	E5	ND										Yes	No		CDM Smith	A. Coler
x-NR	3R-05242	TEM-AHERA	271200595-0001_Indirect-Ashed_NotQC	271200595-0001_Indirect-Ashed_NotQC_5	5	D1	E3	ND										Yes	No		CDM Smith	A. Coler
x-NR	3R-05242	TEM-AHERA	271200595-0001_Indirect-Ashed_NotQC	271200595-0001_Indirect-Ashed_NotQC_6	6	D1	E1	ND										Yes	No		CDM Smith	A. Coler
x-NR	3R-05242	TEM-AHERA	271200595-0001_Indirect-Ashed_NotQC	271200595-0001_Indirect-Ashed_NotQC_7	7	D2	D5	ND										Yes	No		CDM Smith	A. Coler
x-NR	3R-05242	TEM-AHERA	271200595-0001_Indirect-Ashed_NotQC	271200595-0001_Indirect-Ashed_NotQC_8	8	D2	D7	ND										Yes	No		CDM Smith	A. Coler
x-NR	3R-05242	TEM-AHERA	271200595-0001_Indirect-Ashed_NotQC	271200595-0001_Indirect-Ashed_NotQC_9	9	D2	D9	ND										Yes	No		CDM Smith	A. Coler
x-NR	3R-05242	TEM-AHERA	271200595-0001_Indirect-Ashed_NotQC	271200595-0001_Indirect-Ashed_NotQC_10	10	D2	G9	ND										Yes	No		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_1	1	A1-S	B3-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_2	2	A1-S	B3-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_3	3	A1-S	B3-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_4	4	A1-S	B4-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_5	5	A1-S	B4-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_6	6	A1-S	B4-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_7	7	A1-S	B5-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_8	8	A1-S	B5-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_9	9	A1-S	B5-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_10	10	A1-S	B5-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_11	11	A1-S	B6-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_12	12	A1-S	C2-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_13	13	A1-S	C2-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_14	14	A1-S	C3-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_15	15	A1-S	C3-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_16	16	A1-S	C3-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_17	17	A1-S	C3-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_18	18	A1-S	C4-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_19	19	A1-S	C4-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_20	20	A1-S	C4-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_21	21	A1-S	C4-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_22	22	A1-S	C5-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_23	23	A1-S	C5-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_24	24	A1-S	C5-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_25	25	A1-S	C5-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_26	26	A1-S	C6-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_27	27	A1-S	C6-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_28	28	A1-S	E2-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_29	29	A1-S	E2-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_30	30	A1-S	E3-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_31	31	A1-S	E3-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_32	32	A1-S	E3-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_33	33	A1-S	E3-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_34	34	A1-S	E4-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_35	35	A1-S	E4-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_36	36	A1-S	E4-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_37	37	A1-S	E4-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_38	38	A1-S	E5-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_39	39	A1-S	E5-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_40	40	A1-S	E5-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_41	41	A1-S	E5-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_42	42	A1-S	E6-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_43	43	A1-S	E6-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_44	44	A1-S	E6-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_45	45	A1-S	E6-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_46	46	A1-S	F2-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_47	47	A1-S	F2-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_48	48	A1-S	F3-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_49	49	A1-S	F3-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_50	50	A1-S	F3-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_51	51	A1-S	F3-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_52	52	A1-S	F4-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_53	53	A1-S	F4-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_54	54	A1-S	F4-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_55	55	A1-S	F4-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_56	56	A1-S	F5-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_57	57	A1-S	F5-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_58	58	A1-S	F5-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_59	59	A1-S	F5-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_60	60	A1-S	F6-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_61	61	A1-S	F6-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_62	62	A1-S	F6-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_63	63	A1-S	F6-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_64	64	A1-S	G2-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_65	65	A1-S	G2-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_66	66	A1-S	G3-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_67	67	A1-S	G3-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_68	68	A1-S	G3-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_69	69	A1-S	G3-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_70	70	A1-S	G4-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_71	71	A1-S	G4-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_72	72	A1-S	G4-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_73	73	A1-S	G4-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_74	74	A1-S	G5-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_75	75	A1-S	G5-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_76	76	A1-S	G5-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_77	77	A1-S	G6-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_78	78	A1-S	G6-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_79	79	A1-S	H2-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_80	80	A1-S	H2-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_81	81	A1-S	H3-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_82	82	A1-S	H3-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_83	83	A1-S	H3-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_84	84	A1-S	H3-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_85	85	A1-S	H4-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_86	86	A1-S	H4-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_87	87	A1-S	H4-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_88	88	A1-S	H4-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_89	89	A1-S	H5-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_90	90	A1-S	H5-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_91	91	A1-S	H5-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_92	92	A1-S	H5-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_93	93	A1-S	H6-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_94	94	A1-S	H6-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_95	95	A1-S	K3-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_96	96	A1-S	K3-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_97	97	A1-S	K3-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_98	98	A1-S	K4-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_99	99	A1-S	K4-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_100	100	A1-S	K4-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_101	101	A1-S	K4-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_102	102	A1-S	K5-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_103	103	A1-S	K5-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_104	104	A1-S	K5-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_105	105	B1-S	B2-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_106	106	B1-S	B3-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_107	107	B1-S	B3-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_108	108	B1-S	B3-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_109	109	B1-S	B4-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_110	110	B1-S	B4-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_111	111	B1-S	B4-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_112	112	B1-S	B4-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_113	113	B1-S	B5-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_114	114	B1-S	B5-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_115	115	B1-S	B5-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_116	116	B1-S	C2-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_117	117	B1-S	C2-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_118	118	B1-S	C2-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_119	119	B1-S	C3-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_120	120	B1-S	C3-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_121	121	B1-S	C3-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_122	122	B1-S	C3-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_123	123	B1-S	C4-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_124	124	B1-S	C4-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_125	125	B1-S	C4-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_126	126	B1-S	C4-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_127	127	B1-S	C5-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_128	128	B1-S	C5-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_129	129	B1-S	C5-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_130	130	B1-S	C5-6	ND										Yes	Yes		CDM Smith	A. Coler

ATTACHMENT 1B. DATA SUMMARY OF STRUCTURE INFORMATION

DVC	Samp No	Analysis Method	Analysis ID	StructureID	Row Index	Grid	Grid Opening	Structure Type	Primary	Total	Length	Width	AR	Mineral Class	Mineral Desc	EDXA Observation	Structure Identification	Chrysotile Count	Low Mag	Structure Comment	Verifier's Company	Verifier's Name
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_131	131	B1-S	C6-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_132	132	B1-S	E1-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_133	133	B1-S	E2-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_134	134	B1-S	E2-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_135	135	B1-S	E2-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_136	136	B1-S	E2-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_137	137	B1-S	E3-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_138	138	B1-S	E3-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_139	139	B1-S	E3-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_140	140	B1-S	E3-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_141	141	B1-S	E4-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_142	142	B1-S	E4-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_143	143	B1-S	E4-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_144	144	B1-S	E4-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_145	145	B1-S	E5-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_146	146	B1-S	E5-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_147	147	B1-S	E5-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_148	148	B1-S	E5-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_149	149	B1-S	E6-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_150	150	B1-S	E6-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_151	151	B1-S	F1-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_152	152	B1-S	F1-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_153	153	B1-S	F2-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_154	154	B1-S	F3-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_155	155	B1-S	F3-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_156	156	B1-S	F3-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_157	157	B1-S	F3-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_158	158	B1-S	F4-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_159	159	B1-S	F4-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_160	160	B1-S	F4-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_161	161	B1-S	F4-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_162	162	B1-S	F5-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_163	163	B1-S	F5-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_164	164	B1-S	F5-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_165	165	B1-S	F5-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_166	166	B1-S	F6-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_167	167	B1-S	F6-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_168	168	B1-S	G2-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_169	169	B1-S	G2-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_170	170	B1-S	G2-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_171	171	B1-S	G2-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_172	172	B1-S	G3-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_173	173	B1-S	G3-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_174	174	B1-S	G3-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_175	175	B1-S	G3-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_176	176	B1-S	G4-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_177	177	B1-S	G4-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_178	178	B1-S	G4-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_179	179	B1-S	G4-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_180	180	B1-S	G5-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_181	181	B1-S	G5-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_182	182	B1-S	G5-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_183	183	B1-S	G5-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_184	184	B1-S	G6-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_185	185	B1-S	G6-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_186	186	B1-S	H2-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_187	187	B1-S	H2-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_188	188	B1-S	H2-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_189	189	B1-S	H3-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_190	190	B1-S	H3-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_191	191	B1-S	H3-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_192	192	B1-S	H3-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_193	193	B1-S	H4-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_194	194	B1-S	H4-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_195	195	B1-S	H4-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_196	196	B1-S	H4-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_197	197	B1-S	H5-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_198	198	B1-S	H5-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_199	199	B1-S	H5-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_200	200	B1-S	H5-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_201	201	B1-S	H6-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_202	202	B1-S	K3-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_203	203	B1-S	K3-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_204	204	B1-S	K3-6	F	1	1	5.6	0.3	18.666667	LA	WRTA	XK	ADX	Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_205	205	B1-S	K4-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_206	206	B1-S	K4-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_207	207	B1-S	K4-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_208	208	B1-S	K4-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_209	209	B1-S	K5-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_210	210	C1-S	B3-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_211	211	C1-S	B3-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_212	212	C1-S	B3-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_213	213	C1-S	B4-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_214	214	C1-S	B4-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_215	215	C1-S	B4-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_216	216	C1-S	B4-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_217	217	C1-S	B5-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_218	218	C1-S	B5-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_219	219	C1-S	C2-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_220	220	C1-S	C2-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_221	221	C1-S	C3-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_222	222	C1-S	C3-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_223	223	C1-S	C3-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_224	224	C1-S	C3-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_225	225	C1-S	C4-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_226	226	C1-S	C4-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_227	227	C1-S	C4-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_228	228	C1-S	C4-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_229	229	C1-S	C5-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_230	230	C1-S	C5-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_231	231	C1-S	C5-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_232	232	C1-S	C5-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_233	233	C1-S	C6-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_234	234	C1-S	E2-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_235	235	C1-S	E2-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_236	236	C1-S	E2-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_237	237	C1-S	E2-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_238	238	C1-S	E3-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_239	239	C1-S	E3-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_240	240	C1-S	E3-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_241	241	C1-S	E3-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_242	242	C1-S	E4-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_243	243	C1-S	E4-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_244	244	C1-S	E4-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_245	245	C1-S	E4-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_246	246	C1-S	E5-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_247	247	C1-S	E5-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_248	248	C1-S	E5-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_249	249	C1-S	E5-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_250	250	C1-S	E6-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_251	251	C1-S	E6-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_252	252	C1-S	F2-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_253	253	C1-S	F2-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_254	254	C1-S	F2-4	F	2	2	11.5	0.4	28.75	LA	WRTA	NaK	ADX	Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_255	255	C1-S	F2-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_256	256	C1-S	F3-1	F	3	3	5.5	0.5	11	LA	WRTA	XK	ADX	Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_257	257	C1-S	F3-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_258	258	C1-S	F3-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_259	259	C1-S	F3-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_260	260	C1-S	F4-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_261	261	C1-S	F4-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_262	262	C1-S	F4-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_263	263	C1-S	F4-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_264	264	C1-S	F5-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_265	265	C1-S	F5-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_266	266	C1-S	F5-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_267	267	C1-S	F5-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_268	268	C1-S	F6-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_269	269	C1-S	F6-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_270	270	C1-S	G2-1	ND										Yes	Yes		CDM Smith	A. Coler

ATTACHMENT 1B. DATA SUMMARY OF STRUCTURE INFORMATION

DVC	Samp No	Analysis Method	Analysis ID	StructureID	Row Index	Grid	Grid Opening	Structure Type	Primary	Total	Length	Width	AR	Mineral Class	Mineral Desc	EDXA Observation	Structure Identification	Chrysotile Count	Low Mag	Structure Comment	Verifier's Company	Verifier's Name
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_271	271	C1-S	G2-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_272	272	C1-S	G2-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_273	273	C1-S	G2-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_274	274	C1-S	G3-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_275	275	C1-S	G3-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_276	276	C1-S	G3-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_277	277	C1-S	G3-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_278	278	C1-S	G4-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_279	279	C1-S	G4-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_280	280	C1-S	G4-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_281	281	C1-S	G4-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_282	282	C1-S	G5-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_283	283	C1-S	G5-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_284	284	C1-S	G5-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_285	285	C1-S	G5-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_286	286	C1-S	G6-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_287	287	C1-S	G6-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_288	288	C1-S	H2-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_289	289	C1-S	H2-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_290	290	C1-S	H2-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_291	291	C1-S	H3-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_292	292	C1-S	H3-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_293	293	C1-S	H3-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_294	294	C1-S	H3-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_295	295	C1-S	H4-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_296	296	C1-S	H4-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_297	297	C1-S	H4-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_298	298	C1-S	H4-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_299	299	C1-S	H5-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_300	300	C1-S	H5-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_301	301	C1-S	H5-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_302	302	C1-S	H5-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_303	303	C1-S	H6-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_304	304	C1-S	H6-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_305	305	C1-S	K2-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_306	306	C1-S	K3-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_307	307	C1-S	K3-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_308	308	C1-S	K3-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_309	309	C1-S	K3-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_310	310	C1-S	K4-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_311	311	C1-S	K4-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_312	312	C1-S	K4-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_313	313	C1-S	K4-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_314	314	A2-S	B2-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_315	315	A2-S	B2-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_316	316	A2-S	B3-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_317	317	A2-S	B3-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_318	318	A2-S	B4-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_319	319	A2-S	B4-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_320	320	A2-S	B4-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_321	321	A2-S	B4-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_322	322	A2-S	B5-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_323	323	A2-S	B5-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_324	324	A2-S	B5-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_325	325	A2-S	B5-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_326	326	A2-S	A4-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_327	327	A2-S	A4-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_328	328	A2-S	C2-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_329	329	A2-S	C2-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_330	330	A2-S	C2-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_331	331	A2-S	C2-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_332	332	A2-S	C3-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_333	333	A2-S	C3-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_334	334	A2-S	C3-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_335	335	A2-S	C3-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_336	336	A2-S	C4-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_337	337	A2-S	C4-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_338	338	A2-S	C4-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_339	339	A2-S	C4-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_340	340	A2-S	C5-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_341	341	A2-S	C5-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_342	342	A2-S	C5-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_343	343	A2-S	C5-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_344	344	A2-S	C6-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_345	345	A2-S	C6-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_346	346	A2-S	E2-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_347	347	A2-S	E2-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_348	348	A2-S	E2-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_349	349	A2-S	E2-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_350	350	A2-S	E3-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_351	351	A2-S	E3-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_352	352	A2-S	E3-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_353	353	A2-S	E4-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_354	354	A2-S	E4-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_355	355	A2-S	E4-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_356	356	A2-S	E4-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_357	357	A2-S	E5-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_358	358	A2-S	E5-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_359	359	A2-S	E5-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_360	360	A2-S	E5-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_361	361	A2-S	E6-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_362	362	A2-S	E6-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_363	363	A2-S	F2-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_364	364	A2-S	F2-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_365	365	A2-S	F2-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_366	366	A2-S	F2-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_367	367	A2-S	F3-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_368	368	A2-S	F3-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_369	369	A2-S	F3-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_370	370	A2-S	F4-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_371	371	A2-S	F4-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_372	372	A2-S	F4-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_373	373	A2-S	F4-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_374	374	A2-S	F5-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_375	375	A2-S	F5-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_376	376	A2-S	F5-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_377	377	A2-S	F5-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_378	378	A2-S	F6-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_379	379	A2-S	F6-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_380	380	A2-S	G2-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_381	381	A2-S	G2-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_382	382	A2-S	G2-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_383	383	A2-S	G2-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_384	384	A2-S	G3-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_385	385	A2-S	G3-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_386	386	A2-S	G3-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_387	387	A2-S	G3-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_388	388	A2-S	G4-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_389	389	A2-S	G4-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_390	390	A2-S	G4-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_391	391	A2-S	G4-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_392	392	A2-S	G5-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_393	393	A2-S	G5-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_394	394	A2-S	G5-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_395	395	A2-S	G5-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_396	396	A2-S	G6-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_397	397	A2-S	G6-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_398	398	A2-S	H2-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_399	399	A2-S	H2-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_400	400	A2-S	H3-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_401	401	A2-S	H3-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_402	402	A2-S	H3-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_403	403	A2-S	H3-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_404	404	A2-S	H4-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_405	405	A2-S	H4-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_406	406	A2-S	H4-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_407	407	A2-S	H5-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_408	408	A2-S	H5-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_409	409	A2-S	H5-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_410	410	A2-S	H5-6	ND										Yes	Yes		CDM Smith	A. Coler

ATTACHMENT 1B. DATA SUMMARY OF STRUCTURE INFORMATION

DVC	Samp No	Analysis Method	Analysis ID	StructureID	Row Index	Grid	Grid Opening	Structure Type	Primary	Total	Length	Width	AR	Mineral Class	Mineral Desc	EDXA Observation	Structure Identification	Chrysotile Count	Low Mag	Structure Comment	Verifier's Company	Verifier's Name
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_411	411	A2-S	K3-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_412	412	A2-S	K4-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_413	413	A2-S	K4-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_414	414	B2-S	B3-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_415	415	B2-S	B3-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_416	416	B2-S	B3-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_417	417	B2-S	B3-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_418	418	B2-S	B4-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_419	419	B2-S	B4-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_420	420	B2-S	B4-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_421	421	B2-S	B4-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_422	422	B2-S	B5-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_423	423	B2-S	B5-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_424	424	B2-S	B5-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_425	425	B2-S	B6-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_426	426	B2-S	C2-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_427	427	B2-S	C3-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_428	428	B2-S	C3-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_429	429	B2-S	C3-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_430	430	B2-S	C3-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_431	431	B2-S	C4-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_432	432	B2-S	C4-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_433	433	B2-S	C4-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_434	434	B2-S	C5-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_435	435	B2-S	C5-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_436	436	B2-S	C5-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_437	437	B2-S	C6-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_438	438	B2-S	C6-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_439	439	B2-S	E2-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_440	440	B2-S	E2-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_441	441	B2-S	E2-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_442	442	B2-S	E2-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_443	443	B2-S	E3-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_444	444	B2-S	E3-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_445	445	B2-S	E3-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_446	446	B2-S	E3-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_447	447	B2-S	E4-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_448	448	B2-S	E4-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_449	449	B2-S	E4-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_450	450	B2-S	E4-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_451	451	B2-S	E5-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_452	452	B2-S	E5-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_453	453	B2-S	E5-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_454	454	B2-S	E6-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_455	455	B2-S	E6-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_456	456	B2-S	E6-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_457	457	B2-S	E6-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_458	458	B2-S	F2-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_459	459	B2-S	F2-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_460	460	B2-S	F2-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_461	461	B2-S	F2-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_462	462	B2-S	F3-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_463	463	B2-S	F3-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_464	464	B2-S	F3-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_465	465	B2-S	F3-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_466	466	B2-S	F4-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_467	467	B2-S	F4-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_468	468	B2-S	F4-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_469	469	B2-S	F4-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_470	470	B2-S	F5-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_471	471	B2-S	F5-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_472	472	B2-S	F5-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_473	473	B2-S	F5-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_474	474	B2-S	F6-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_475	475	B2-S	F6-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_476	476	B2-S	F6-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_477	477	B2-S	F6-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_478	478	B2-S	G2-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_479	479	B2-S	G2-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_480	480	B2-S	G2-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_481	481	B2-S	G3-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_482	482	B2-S	G3-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_483	483	B2-S	G3-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_484	484	B2-S	G3-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_485	485	B2-S	G4-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_486	486	B2-S	G4-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_487	487	B2-S	G4-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_488	488	B2-S	G4-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_489	489	B2-S	G5-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_490	490	B2-S	G5-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_491	491	B2-S	G5-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_492	492	B2-S	G5-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_493	493	B2-S	H4-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_494	494	B2-S	H4-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_495	495	B2-S	H4-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_496	496	B2-S	H4-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_497	497	B2-S	H5-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_498	498	B2-S	H5-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_499	499	B2-S	H5-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05242	TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO	A140122-01_Indirect-Ashed_NotQC_TEM-ISO_500	500	B2-S	H5-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05243	TEM-AHERA	271200595-0002_Indirect-Ashed_NotQC	271200595-0002_Indirect-Ashed_NotQC_1	1	D3	B2	ND										Yes	No		CDM Smith	A. Coler
	3R-05243	TEM-AHERA	271200595-0002_Indirect-Ashed_NotQC	271200595-0002_Indirect-Ashed_NotQC_2	2	D3	B4	ND										Yes	No		CDM Smith	A. Coler
	3R-05243	TEM-AHERA	271200595-0002_Indirect-Ashed_NotQC	271200595-0002_Indirect-Ashed_NotQC_3	3	D3	B6	ND										Yes	No		CDM Smith	A. Coler
	3R-05243	TEM-AHERA	271200595-0002_Indirect-Ashed_NotQC	271200595-0002_Indirect-Ashed_NotQC_4	4	D3	B8	ND										Yes	No		CDM Smith	A. Coler
	3R-05243	TEM-AHERA	271200595-0002_Indirect-Ashed_NotQC	271200595-0002_Indirect-Ashed_NotQC_5	5	D3	B10	ND										Yes	No		CDM Smith	A. Coler
	3R-05243	TEM-AHERA	271200595-0002_Indirect-Ashed_NotQC	271200595-0002_Indirect-Ashed_NotQC_6	6	D4	G9	ND										Yes	No		CDM Smith	A. Coler
	3R-05243	TEM-AHERA	271200595-0002_Indirect-Ashed_NotQC	271200595-0002_Indirect-Ashed_NotQC_7	7	D4	G7	ND										Yes	No		CDM Smith	A. Coler
	3R-05243	TEM-AHERA	271200595-0002_Indirect-Ashed_NotQC	271200595-0002_Indirect-Ashed_NotQC_8	8	D4	G5	ND										Yes	No		CDM Smith	A. Coler
	3R-05243	TEM-AHERA	271200595-0002_Indirect-Ashed_NotQC	271200595-0002_Indirect-Ashed_NotQC_9	9	D4	G3	ND										Yes	No		CDM Smith	A. Coler
	3R-05243	TEM-AHERA	271200595-0002_Indirect-Ashed_NotQC	271200595-0002_Indirect-Ashed_NotQC_10	10	D4	G1	ND										Yes	No		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_1	1	B3-S	H2-6	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_2	2	B3-S	H2-3	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_3	3	B3-S	G2-6	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_4	4	B3-S	G2-3	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_5	5	B3-S	F2-6	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_6	6	B3-S	F2-3	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_7	7	B3-S	E2-6	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_8	8	B3-S	E2-3	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_9	9	B3-S	C2-6	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_10	10	B3-S	K3-1	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_11	11	B3-S	H3-4	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_12	12	B3-S	H3-1	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_13	13	B3-S	G3-4	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_14	14	B3-S	G3-1	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_15	15	B3-S	F3-4	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_16	16	B3-S	F3-1	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_17	17	B3-S	E3-4	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_18	18	B3-S	E3-1	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_19	19	B3-S	C3-4	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_20	20	B3-S	C3-1	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_21	21	B3-S	K3-6	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_22	22	B3-S	K3-3	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_23	23	B3-S	H3-6	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_24	24	B3-S	H3-3	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_25	25	B3-S	G3-6	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_26	26	B3-S	F3-6	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_27	27	B3-S	F3-3	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_28	28	B3-S	E3-6	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_29	29	B3-S	E3-3	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_30	30	B3-S	C3-6	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_31	31	B3-S	C3-3	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_32	32	B3-S	B3-6	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_33	33	B3-S	L4-1	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_34	34	B3-S	K4-4	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_35	35	B3-S	K4-1	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_36	36	B3-S	H4-4	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_37	37	B3-S	H4-1	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_38	38	B3-S	G4-4	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_39	39	B3-S	G4-1	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_40	40	B3-S	F4-4	ND										Yes	Yes		CDM Smith	A. Coler

ATTACHMENT 1B. DATA SUMMARY OF STRUCTURE INFORMATION

DVC	Samp No	Analysis Method	Analysis ID	StructureID	Row Index	Grid	Grid Opening	Structure Type	Primary	Total	Length	Width	AR	Mineral Class	Mineral Desc	EDXA Observation	Structure Identification	Chrysotile Count	Low Mag	Structure Comment	Verifier's Company	Verifier's Name
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_41	41	B3-S	F4-1	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_42	42	B3-S	E4-4	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_43	43	B3-S	E4-1	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_44	44	B3-S	C4-4	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_45	45	B3-S	C4-1	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_46	46	B3-S	B4-4	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_47	47	B3-S	B4-1	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_48	48	B3-S	L4-3	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_49	49	B3-S	K4-6	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_50	50	B3-S	K4-3	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_51	51	B3-S	H4-6	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_52	52	B3-S	H4-3	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_53	53	B3-S	G4-6	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_54	54	B3-S	G4-3	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_55	55	B3-S	F4-6	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_56	56	B3-S	F4-3	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_57	57	B3-S	E4-6	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_58	58	B3-S	E4-3	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_59	59	B3-S	C4-6	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_60	60	B3-S	C4-3	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_61	61	B3-S	B4-6	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_62	62	B3-S	B4-3	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_63	63	B3-S	L5-1	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_64	64	B3-S	K5-4	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_65	65	B3-S	K5-1	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_66	66	B3-S	H5-4	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_67	67	B3-S	H5-1	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_68	68	B3-S	G5-4	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_69	69	B3-S	G5-1	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_70	70	B3-S	F5-4	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_71	71	B3-S	F5-1	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_72	72	B3-S	E5-4	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_73	73	B3-S	E5-1	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_74	74	B3-S	C5-4	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_75	75	B3-S	C5-1	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_76	76	B3-S	B5-4	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_77	77	B3-S	K5-6	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_78	78	B3-S	K5-3	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_79	79	B3-S	H5-6	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_80	80	B3-S	H5-3	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_81	81	B3-S	G5-6	B	1	1	6.8	0.9	7.5555556	LA	WRTA	XK	ADX	Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_82	82	B3-S	G5-3	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_83	83	B3-S	F5-6	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_84	84	B3-S	F5-3	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_85	85	B3-S	E5-6	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_86	86	B3-S	E5-3	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_87	87	B3-S	C5-6	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_88	88	B3-S	C5-3	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_89	89	B3-S	B5-6	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_90	90	B3-S	K6-1	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_91	91	B3-S	H6-4	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_92	92	B3-S	H6-1	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_93	93	B3-S	G6-4	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_94	94	B3-S	G6-1	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_95	95	B3-S	F6-4	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_96	96	B3-S	F6-1	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_97	97	B3-S	E6-4	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_98	98	B3-S	E6-1	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_99	99	B3-S	C6-4	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_100	100	B3-S	C6-1	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_101	101	B3-S	G6-6	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_102	102	B3-S	G6-3	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_103	103	B3-S	F6-6	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_104	104	B3-S	F6-3	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_105	105	B3-S	E6-6	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_106	106	C3-S	H2-3	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_107	107	C3-S	G2-6	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_108	108	C3-S	G2-3	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_109	109	C3-S	F2-6	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_110	110	C3-S	F2-3	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_111	111	C3-S	E2-6	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_112	112	C3-S	E2-3	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_113	113	C3-S	C2-6	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_114	114	C3-S	C2-3	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_115	115	C3-S	B2-6	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_116	116	C3-S	H3-4	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_117	117	C3-S	H3-1	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_118	118	C3-S	G3-4	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_119	119	C3-S	G3-1	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_120	120	C3-S	F3-4	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_121	121	C3-S	F3-1	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_122	122	C3-S	E3-4	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_123	123	C3-S	E3-1	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_124	124	C3-S	C3-4	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_125	125	C3-S	C3-1	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_126	126	C3-S	B3-4	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_127	127	C3-S	B3-1	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_128	128	C3-S	K3-3	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_129	129	C3-S	H3-6	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_130	130	C3-S	H3-3	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_131	131	C3-S	G3-6	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_132	132	C3-S	G3-3	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_133	133	C3-S	F3-6	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_134	134	C3-S	F3-3	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_135	135	C3-S	E3-6	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_136	136	C3-S	E3-3	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_137	137	C3-S	C3-6	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_138	138	C3-S	C3-3	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_139	139	C3-S	B3-6	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_140	140	C3-S	B3-3	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_141	141	C3-S	A3-6	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_142	142	C3-S	K4-1	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_143	143	C3-S	H4-4	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_144	144	C3-S	H4-1	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_145	145	C3-S	G4-4	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_146	146	C3-S	G4-1	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_147	147	C3-S	F4-4	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_148	148	C3-S	F4-1	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_149	149	C3-S	E4-4	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_150	150	C3-S	E4-1	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_151	151	C3-S	C4-4	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_152	152	C3-S	C4-1	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_153	153	C3-S	B4-4	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_154	154	C3-S	B4-1	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_155	155	C3-S	A4-4	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_156	156	C3-S	K4-3	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_157	157	C3-S	H4-6	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_158	158	C3-S	H4-3	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_159	159	C3-S	G4-6	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_160	160	C3-S	G4-3	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_161	161	C3-S	F4-6	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_162	162	C3-S	F4-3	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_163	163	C3-S	E4-6	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_164	164	C3-S	E4-3	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_165	165	C3-S	C4-6	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_166	166	C3-S	C4-3	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_167	167	C3-S	B4-6	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_168	168	C3-S	B4-3	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_169	169	C3-S	A4-6	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_170	170	C3-S	K5-1	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_171	171	C3-S	H5-4	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_172	172	C3-S	H5-1	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_173	173	C3-S	G5-4	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_174	174	C3-S	G5-1	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_175	175	C3-S	F5-4	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_176	176	C3-S	F5-1	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_177	177	C3-S	E5-4	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_178	178	C3-S	E5-1	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_179	179	C3-S	C5-4	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_180	180	C3-S	C5-1	ND										Yes	Yes		CDM Smith	A. Coler

ATTACHMENT 1B. DATA SUMMARY OF STRUCTURE INFORMATION

DVC	Samp No	Analysis Method	Analysis ID	StructureID	Row Index	Grid	Grid Opening	Structure Type	Primary	Total	Length	Width	AR	Mineral Class	Mineral Desc	EDXA Observation	Structure Identification	Chrysotile Count	Low Mag	Structure Comment	Verifier's Company	Verifier's Name
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_181	181	C3-S	B5-4	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_182	182	C3-S	B5-1	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_183	183	C3-S	A5-4	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_184	184	C3-S	H5-6	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_185	185	C3-S	H5-3	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_186	186	C3-S	G5-6	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_187	187	C3-S	G5-3	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_188	188	C3-S	F5-6	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_189	189	C3-S	F5-3	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_190	190	C3-S	E5-6	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_191	191	C3-S	E5-3	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_192	192	C3-S	C5-6	F	2	2	6	0.3	20	LA	WRTA	NaK	ADX	Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_193	193	C3-S	C5-3	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_194	194	C3-S	B5-6	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_195	195	C3-S	B5-3	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_196	196	C3-S	H6-1	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_197	197	C3-S	G6-4	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_198	198	C3-S	G6-1	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_199	199	C3-S	F6-4	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_200	200	C3-S	F6-1	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_201	201	C3-S	E6-4	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_202	202	C3-S	E6-1	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_203	203	C3-S	C6-4	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_204	204	C3-S	C6-1	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_205	205	C3-S	F6-6	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_206	206	C3-S	F6-3	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_207	207	C3-S	E6-6	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_208	208	C3-S	E6-3	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_209	209	A4-S	H2-6	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_210	210	A4-S	H2-3	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_211	211	A4-S	G2-6	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_212	212	A4-S	G2-3	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_213	213	A4-S	F2-6	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_214	214	A4-S	F2-3	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_215	215	A4-S	E2-6	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_216	216	A4-S	E2-3	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_217	217	A4-S	C2-6	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_218	218	A4-S	K3-1	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_219	219	A4-S	H3-4	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_220	220	A4-S	H3-1	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_221	221	A4-S	G3-4	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_222	222	A4-S	G3-1	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_223	223	A4-S	F3-4	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_224	224	A4-S	F3-1	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_225	225	A4-S	E3-4	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_226	226	A4-S	E3-1	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_227	227	A4-S	C3-4	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_228	228	A4-S	C3-1	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_229	229	A4-S	K3-6	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_230	230	A4-S	K3-3	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_231	231	A4-S	H3-6	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_232	232	A4-S	G3-3	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_233	233	A4-S	F3-6	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_234	234	A4-S	F3-3	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_235	235	A4-S	E3-6	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_236	236	A4-S	E3-3	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_237	237	A4-S	C3-6	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_238	238	A4-S	C3-3	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_239	239	A4-S	B3-6	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_240	240	A4-S	L4-1	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_241	241	A4-S	K4-4	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_242	242	A4-S	K4-1	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_243	243	A4-S	G4-4	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_244	244	A4-S	G4-1	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_245	245	A4-S	F4-4	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_246	246	A4-S	F4-1	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_247	247	A4-S	E4-4	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_248	248	A4-S	E4-1	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_249	249	A4-S	C4-4	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_250	250	A4-S	C4-1	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_251	251	A4-S	B4-4	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_252	252	A4-S	B4-1	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_253	253	A4-S	L4-3	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_254	254	A4-S	K4-6	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_255	255	A4-S	K4-3	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_256	256	A4-S	H4-6	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_257	257	A4-S	H4-3	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_258	258	A4-S	G4-6	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_259	259	A4-S	G4-3	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_260	260	A4-S	F4-6	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_261	261	A4-S	F4-3	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_262	262	A4-S	E4-6	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_263	263	A4-S	E4-3	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_264	264	A4-S	C4-6	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_265	265	A4-S	C4-3	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_266	266	A4-S	B4-6	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_267	267	A4-S	B4-3	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_268	268	A4-S	K5-4	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_269	269	A4-S	K5-1	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_270	270	A4-S	H5-4	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_271	271	A4-S	H5-1	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_272	272	A4-S	G5-4	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_273	273	A4-S	G5-1	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_274	274	A4-S	F5-4	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_275	275	A4-S	F5-1	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_276	276	A4-S	E5-4	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_277	277	A4-S	E5-1	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_278	278	A4-S	C5-4	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_279	279	A4-S	C5-1	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_280	280	A4-S	B5-4	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_281	281	A4-S	B5-1	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_282	282	A4-S	K5-6	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_283	283	A4-S	K5-3	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_284	284	A4-S	H5-6	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_285	285	A4-S	H5-3	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_286	286	A4-S	G5-6	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_287	287	A4-S	G5-3	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_288	288	A4-S	F5-6	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_289	289	A4-S	F5-3	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_290	290	A4-S	E5-6	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_291	291	A4-S	E5-3	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_292	292	A4-S	C5-6	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_293	293	A4-S	C5-3	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_294	294	A4-S	B5-6	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_295	295	A4-S	H6-4	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_296	296	A4-S	H6-1	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_297	297	A4-S	G6-4	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_298	298	A4-S	G6-1	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_299	299	A4-S	F6-4	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_300	300	A4-S	F6-1	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_301	301	A4-S	E6-4	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_302	302	A4-S	E6-1	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_303	303	A4-S	C6-4	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_304	304	A4-S	C6-1	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_305	305	A4-S	G6-3	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_306	306	A4-S	F6-6	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_307	307	A4-S	F6-3	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_308	308	A4-S	E6-6	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_309	309	B4-S	G2-1	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_310	310	B4-S	F2-4	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_311	311	B4-S	F2-1	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_312	312	B4-S	E2-4	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_313	313	B4-S	E2-1	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_314	314	B4-S	H2-6	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_315	315	B4-S	H2-3	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_316	316	B4-S	G2-6	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_317	317	B4-S	G2-3	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_318	318	B4-S	F2-6	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_319	319	B4-S	F2-3	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_320	320	B4-S	E2-6	ND										Yes	Yes		CDM Smith	A. Coler

ATTACHMENT 1B. DATA SUMMARY OF STRUCTURE INFORMATION

DVC	Samp No	Analysis Method	Analysis ID	StructureID	Row Index	Grid	Grid Opening	Structure Type	Primary	Total	Length	Width	AR	Mineral Class	Mineral Desc	EDXA Observation	Structure Identification	Chrysotile Count	Low Mag	Structure Comment	Verifier's Company	Verifier's Name
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_321	321	B4-S	E2-3	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_322	322	B4-S	C2-6	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_323	323	B4-S	C2-3	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_324	324	B4-S	B2-6	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_325	325	B4-S	K3-1	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_326	326	B4-S	H3-4	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_327	327	B4-S	H3-1	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_328	328	B4-S	G3-4	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_329	329	B4-S	G3-1	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_330	330	B4-S	F3-4	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_331	331	B4-S	F3-1	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_332	332	B4-S	E3-4	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_333	333	B4-S	E3-1	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_334	334	B4-S	C3-4	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_335	335	B4-S	C3-1	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_336	336	B4-S	B3-4	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_337	337	B4-S	B3-1	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_338	338	B4-S	K3-6	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_339	339	B4-S	K3-3	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_340	340	B4-S	H3-6	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_341	341	B4-S	H3-3	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_342	342	B4-S	G3-6	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_343	343	B4-S	G3-3	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_344	344	B4-S	F3-6	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_345	345	B4-S	F3-3	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_346	346	B4-S	E3-6	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_347	347	B4-S	E3-3	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_348	348	B4-S	C3-6	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_349	349	B4-S	C3-3	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_350	350	B4-S	B3-6	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_351	351	B4-S	B3-3	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_352	352	B4-S	K4-4	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_353	353	B4-S	K4-1	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_354	354	B4-S	H4-4	B	3	3	9	1.5	6	LA	WRTA	NaK	ADX	Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_355	355	B4-S	H4-1	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_356	356	B4-S	G4-4	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_357	357	B4-S	G4-1	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_358	358	B4-S	F4-4	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_359	359	B4-S	F4-1	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_360	360	B4-S	E4-4	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_361	361	B4-S	E4-1	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_362	362	B4-S	C4-4	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_363	363	B4-S	C4-1	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_364	364	B4-S	B4-4	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_365	365	B4-S	B4-1	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_366	366	B4-S	A4-4	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_367	367	B4-S	K4-6	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_368	368	B4-S	K4-3	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_369	369	B4-S	H4-6	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_370	370	B4-S	H4-3	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_371	371	B4-S	G4-6	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_372	372	B4-S	G4-3	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_373	373	B4-S	F4-6	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_374	374	B4-S	F4-3	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_375	375	B4-S	E4-6	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_376	376	B4-S	E4-3	F	4	4	6	0.8	7.5	LA	AC	XX	ADX	Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_377	377	B4-S	C4-6	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_378	378	B4-S	C4-3	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_379	379	B4-S	B4-6	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_380	380	B4-S	B4-3	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_381	381	B4-S	K5-1	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_382	382	B4-S	H5-4	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_383	383	B4-S	H5-1	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_384	384	B4-S	G5-4	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_385	385	B4-S	G5-1	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_386	386	B4-S	F5-4	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_387	387	B4-S	F5-1	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_388	388	B4-S	E5-4	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_389	389	B4-S	E5-1	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_390	390	B4-S	C5-4	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_391	391	B4-S	C5-1	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_392	392	B4-S	B5-4	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_393	393	B4-S	B5-1	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_394	394	B4-S	H5-6	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_395	395	B4-S	H5-3	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_396	396	B4-S	G5-6	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_397	397	B4-S	G5-3	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_398	398	B4-S	F5-6	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_399	399	B4-S	F5-3	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_400	400	B4-S	E5-6	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_401	401	B4-S	E5-3	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_402	402	B4-S	C5-6	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_403	403	B4-S	C5-3	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_404	404	B4-S	H6-4	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_405	405	B4-S	H6-1	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_406	406	B4-S	G6-4	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_407	407	B4-S	G6-1	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_408	408	B4-S	F6-4	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_409	409	B4-S	F6-1	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_410	410	B4-S	E6-4	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_411	411	B4-S	E6-1	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_412	412	B4-S	C6-4	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_413	413	B4-S	C6-1	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_414	414	B4-S	F6-6	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_415	415	B4-S	F6-3	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_416	416	B4-S	E6-6	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_417	417	A5-S	G2-4	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_418	418	A5-S	G2-1	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_419	419	A5-S	F2-4	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_420	420	A5-S	F2-1	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_421	421	A5-S	E2-4	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_422	422	A5-S	E2-1	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_423	423	A5-S	K2-6	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_424	424	A5-S	K2-3	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_425	425	A5-S	H2-6	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_426	426	A5-S	H2-3	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_427	427	A5-S	G2-6	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_428	428	A5-S	G2-3	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_429	429	A5-S	F2-6	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_430	430	A5-S	F2-3	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_431	431	A5-S	E2-6	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_432	432	A5-S	E2-3	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_433	433	A5-S	C2-6	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_434	434	A5-S	C2-3	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_435	435	A5-S	K3-1	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_436	436	A5-S	H3-4	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_437	437	A5-S	H3-1	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_438	438	A5-S	G3-4	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_439	439	A5-S	G3-1	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_440	440	A5-S	F3-4	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_441	441	A5-S	E3-4	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_442	442	A5-S	E3-1	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_443	443	A5-S	C3-4	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_444	444	A5-S	C3-1	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_445	445	A5-S	B3-4	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_446	446	A5-S	L3-3	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_447	447	A5-S	K3-6	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_448	448	A5-S	K3-3	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_449	449	A5-S	H3-6	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_450	450	A5-S	H3-3	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_451	451	A5-S	G3-6	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_452	452	A5-S	G3-3	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_453	453	A5-S	F3-6	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_454	454	A5-S	F3-3	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_455	455	A5-S	E3-6	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_456	456	A5-S	E3-3	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_457	457	A5-S	C3-6	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_458	458	A5-S	C3-3	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_459	459	A5-S	B3-6	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_460	460	A5-S	L4-1	ND										Yes	Yes		CDM Smith	A. Coler

ATTACHMENT 1B. DATA SUMMARY OF STRUCTURE INFORMATION

DVC	Samp No	Analysis Method	Analysis ID	StructureID	Row Index	Grid	Grid Opening	Structure Type	Primary	Total	Length	Width	AR	Mineral Class	Mineral Desc	EDXA Observation	Structure Identification	Chrysotile Count	Low Mag	Structure Comment	Verifier's Company	Verifier's Name
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_461	461	A5-S	K4-4	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_462	462	A5-S	K4-1	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_463	463	A5-S	H4-4	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_464	464	A5-S	H4-1	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_465	465	A5-S	F4-1	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_466	466	A5-S	E4-4	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_467	467	A5-S	E4-1	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_468	468	A5-S	C4-4	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_469	469	A5-S	C4-1	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_470	470	A5-S	B4-4	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_471	471	A5-S	B4-1	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_472	472	A5-S	K4-6	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_473	473	A5-S	K4-3	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_474	474	A5-S	H4-6	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_475	475	A5-S	H4-3	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_476	476	A5-S	G4-6	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_477	477	A5-S	G4-3	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_478	478	A5-S	F4-6	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_479	479	A5-S	F4-3	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_480	480	A5-S	E4-6	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_481	481	A5-S	E4-3	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_482	482	A5-S	C4-6	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_483	483	A5-S	C4-3	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_484	484	A5-S	B4-6	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_485	485	A5-S	K5-4	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_486	486	A5-S	H5-4	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_487	487	A5-S	G5-4	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_488	488	A5-S	G5-1	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_489	489	A5-S	F5-4	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_490	490	A5-S	F5-1	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_491	491	A5-S	E5-4	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_492	492	A5-S	E5-1	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_493	493	A5-S	C5-4	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_494	494	A5-S	C5-1	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_495	495	A5-S	B5-4	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_496	496	A5-S	K5-3	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_497	497	A5-S	G5-3	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_498	498	A5-S	F5-6	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_499	499	A5-S	E5-6	ND										Yes	Yes		CDM Smith	A. Coler
x-NR	3R-05243	TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO	A140122-02_Indirect-Ashed_NotQC_TEM-ISO_500	500	A5-S	E5-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-AHERA	271200595-0003_Indirect-Ashed_NotQC	271200595-0003_Indirect-Ashed_NotQC_1	1	D5	H10	ND										Yes	No		CDM Smith	A. Coler
	3R-05244	TEM-AHERA	271200595-0003_Indirect-Ashed_NotQC	271200595-0003_Indirect-Ashed_NotQC_2	2	D5	H8	ND										Yes	No		CDM Smith	A. Coler
	3R-05244	TEM-AHERA	271200595-0003_Indirect-Ashed_NotQC	271200595-0003_Indirect-Ashed_NotQC_3	3	D5	H6	ND										Yes	No		CDM Smith	A. Coler
	3R-05244	TEM-AHERA	271200595-0003_Indirect-Ashed_NotQC	271200595-0003_Indirect-Ashed_NotQC_4	4	D5	H4	ND										Yes	No		CDM Smith	A. Coler
	3R-05244	TEM-AHERA	271200595-0003_Indirect-Ashed_NotQC	271200595-0003_Indirect-Ashed_NotQC_5	5	D5	H2	ND										Yes	No		CDM Smith	A. Coler
	3R-05244	TEM-AHERA	271200595-0003_Indirect-Ashed_NotQC	271200595-0003_Indirect-Ashed_NotQC_6	6	D6	E10	ND										Yes	No		CDM Smith	A. Coler
	3R-05244	TEM-AHERA	271200595-0003_Indirect-Ashed_NotQC	271200595-0003_Indirect-Ashed_NotQC_7	7	D6	E8	ND										Yes	No		CDM Smith	A. Coler
	3R-05244	TEM-AHERA	271200595-0003_Indirect-Ashed_NotQC	271200595-0003_Indirect-Ashed_NotQC_8	8	D6	E6	ND										Yes	No		CDM Smith	A. Coler
	3R-05244	TEM-AHERA	271200595-0003_Indirect-Ashed_NotQC	271200595-0003_Indirect-Ashed_NotQC_9	9	D6	E4	ND										Yes	No		CDM Smith	A. Coler
	3R-05244	TEM-AHERA	271200595-0003_Indirect-Ashed_NotQC	271200595-0003_Indirect-Ashed_NotQC_10	10	D6	E2	ND										Yes	No		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_1	1	C5-S	G2-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_2	2	C5-S	G2-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_3	3	C5-S	F2-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_4	4	C5-S	F2-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_5	5	C5-S	E2-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_6	6	C5-S	K2-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_7	7	C5-S	H2-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_8	8	C5-S	H2-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_9	9	C5-S	G2-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_10	10	C5-S	G2-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_11	11	C5-S	F2-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_12	12	C5-S	F2-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_13	13	C5-S	E2-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_14	14	C5-S	E2-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_15	15	C5-S	C2-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_16	16	C5-S	C2-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_17	17	C5-S	K3-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_18	18	C5-S	K3-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_19	19	C5-S	H3-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_20	20	C5-S	H3-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_21	21	C5-S	G3-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_22	22	C5-S	G3-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_23	23	C5-S	F3-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_24	24	C5-S	F3-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_25	25	C5-S	E3-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_26	26	C5-S	E3-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_27	27	C5-S	C3-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_28	28	C5-S	C3-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_29	29	C5-S	L3-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_30	30	C5-S	K3-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_31	31	C5-S	K3-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_32	32	C5-S	H3-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_33	33	C5-S	H3-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_34	34	C5-S	G3-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_35	35	C5-S	G3-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_36	36	C5-S	F3-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_37	37	C5-S	F3-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_38	38	C5-S	E3-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_39	39	C5-S	E3-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_40	40	C5-S	C3-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_41	41	C5-S	C3-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_42	42	C5-S	B3-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_43	43	C5-S	L4-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_44	44	C5-S	K4-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_45	45	C5-S	K4-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_46	46	C5-S	H4-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_47	47	C5-S	H4-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_48	48	C5-S	G4-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_49	49	C5-S	G4-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_50	50	C5-S	F4-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_51	51	C5-S	F4-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_52	52	C5-S	E4-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_53	53	C5-S	E4-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_54	54	C5-S	C4-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_55	55	C5-S	C4-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_56	56	C5-S	B4-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_57	57	C5-S	L4-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_58	58	C5-S	K4-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_59	59	C5-S	K4-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_60	60	C5-S	H4-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_61	61	C5-S	H4-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_62	62	C5-S	G4-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_63	63	C5-S	G4-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_64	64	C5-S	F4-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_65	65	C5-S	F4-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_66	66	C5-S	E4-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_67	67	C5-S	E4-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_68	68	C5-S	C4-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_69	69	C5-S	C4-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_70	70	C5-S	B4-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_71	71	C5-S	L5-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_72	72	C5-S	K5-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_73	73	C5-S	K5-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_74	74	C5-S	H5-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_75	75	C5-S	H5-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_76	76	C5-S	G5-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_77	77	C5-S	G5-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_78	78	C5-S	F5-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_79	79	C5-S	F5-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_80	80	C5-S	E5-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_81	81	C5-S	E5-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_82	82	C5-S	C5-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_83	83	C5-S	C5-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_84	84	C5-S	B5-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_85	85	C5-S	K5-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_86	86	C5-S	K5-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_87	87	C5-S	H5-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_88	88	C5-S	H5-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_89	89	C5-S	G5-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_90	90	C5-S	G5-3	ND										Yes	Yes		CDM Smith	A. Coler

ATTACHMENT 1B. DATA SUMMARY OF STRUCTURE INFORMATION

DVC	Samp No	Analysis Method	Analysis ID	StructureID	Row Index	Grid	Grid Opening	Structure Type	Primary	Total	Length	Width	AR	Mineral Class	Mineral Desc	EDXA Observation	Structure Identification	Chrysotile Count	Low Mag	Structure Comment	Verifier's Company	Verifier's Name
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_91	91	C5-S	F5-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_92	92	C5-S	F5-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_93	93	C5-S	E5-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_94	94	C5-S	E5-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_95	95	C5-S	C5-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_96	96	C5-S	C5-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_97	97	C5-S	K6-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_98	98	C5-S	H6-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_99	99	C5-S	H6-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_100	100	C5-S	G6-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_101	101	C5-S	G6-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_102	102	C5-S	F6-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_103	103	C5-S	F6-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_104	104	C5-S	E6-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_105	105	C5-S	E6-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_106	106	C5-S	C6-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_107	107	C5-S	G6-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_108	108	C5-S	F6-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_109	109	A6-S	F2-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_110	110	A6-S	F2-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_111	111	A6-S	E2-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_112	112	A6-S	H2-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_113	113	A6-S	G2-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_114	114	A6-S	G2-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_115	115	A6-S	F2-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_116	116	A6-S	F2-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_117	117	A6-S	E2-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_118	118	A6-S	E2-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_119	119	A6-S	C2-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_120	120	A6-S	C2-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_121	121	A6-S	B2-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_122	122	A6-S	H3-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_123	123	A6-S	H3-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_124	124	A6-S	G3-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_125	125	A6-S	G3-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_126	126	A6-S	F3-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_127	127	A6-S	F3-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_128	128	A6-S	E3-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_129	129	A6-S	E3-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_130	130	A6-S	C3-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_131	131	A6-S	C3-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_132	132	A6-S	B3-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_133	133	A6-S	B3-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_134	134	A6-S	K3-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_135	135	A6-S	H3-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_136	136	A6-S	H3-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_137	137	A6-S	G3-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_138	138	A6-S	G3-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_139	139	A6-S	F3-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_140	140	A6-S	F3-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_141	141	A6-S	E3-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_142	142	A6-S	E3-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_143	143	A6-S	C3-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_144	144	A6-S	C3-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_145	145	A6-S	B3-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_146	146	A6-S	B3-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_147	147	A6-S	A3-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_148	148	A6-S	K4-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_149	149	A6-S	H4-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_150	150	A6-S	H4-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_151	151	A6-S	G4-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_152	152	A6-S	G4-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_153	153	A6-S	F4-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_154	154	A6-S	F4-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_155	155	A6-S	E4-4	F	1	1	8	1.5	5.3333333	LA	WRTA	NaK	ADX	Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_156	156	A6-S	E4-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_157	157	A6-S	C4-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_158	158	A6-S	C4-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_159	159	A6-S	B4-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_160	160	A6-S	B4-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_161	161	A6-S	A4-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_162	162	A6-S	K4-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_163	163	A6-S	H4-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_164	164	A6-S	H4-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_165	165	A6-S	G4-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_166	166	A6-S	G4-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_167	167	A6-S	F4-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_168	168	A6-S	F4-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_169	169	A6-S	E4-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_170	170	A6-S	E4-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_171	171	A6-S	C4-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_172	172	A6-S	C4-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_173	173	A6-S	B4-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_174	174	A6-S	B4-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_175	175	A6-S	A4-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_176	176	A6-S	K5-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_177	177	A6-S	H5-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_178	178	A6-S	H5-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_179	179	A6-S	G5-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_180	180	A6-S	G5-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_181	181	A6-S	F5-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_182	182	A6-S	F5-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_183	183	A6-S	E5-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_184	184	A6-S	E5-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_185	185	A6-S	C5-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_186	186	A6-S	C5-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_187	187	A6-S	B5-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_188	188	A6-S	B5-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_189	189	A6-S	A5-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_190	190	A6-S	H5-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_191	191	A6-S	H5-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_192	192	A6-S	G5-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_193	193	A6-S	G5-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_194	194	A6-S	F5-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_195	195	A6-S	F5-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_196	196	A6-S	E5-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_197	197	A6-S	E5-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_198	198	A6-S	C5-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_199	199	A6-S	C5-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_200	200	A6-S	B5-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_201	201	A6-S	B5-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_202	202	A6-S	H6-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_203	203	A6-S	H6-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_204	204	A6-S	G6-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_205	205	A6-S	G6-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_206	206	A6-S	F6-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_207	207	A6-S	F6-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_208	208	A6-S	E6-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_209	209	A6-S	E6-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_210	210	A6-S	C6-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_211	211	A6-S	C6-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_212	212	A6-S	B6-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_213	213	A6-S	F6-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_214	214	A6-S	F6-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_215	215	A6-S	E6-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_216	216	A6-S	E6-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_217	217	B6-S	K2-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_218	218	B6-S	H2-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_219	219	B6-S	H2-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_220	220	B6-S	G2-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_221	221	B6-S	F2-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_222	222	B6-S	F2-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_223	223	B6-S	E2-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_224	224	B6-S	E2-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_225	225	B6-S	K3-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_226	226	B6-S	K3-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_227	227	B6-S	H3-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_228	228	B6-S	H3-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_229	229	B6-S	G3-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_230	230	B6-S	F3-4	ND										Yes	Yes		CDM Smith	A. Coler

ATTACHMENT 1B. DATA SUMMARY OF STRUCTURE INFORMATION

DVC	Samp No	Analysis Method	Analysis ID	StructureID	Row Index	Grid	Grid Opening	Structure Type	Primary	Total	Length	Width	AR	Mineral Class	Mineral Desc	EDXA Observation	Structure Identification	Chrysotile Count	Low Mag	Structure Comment	Verifier's Company	Verifier's Name
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_231	231	B6-S	F3-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_232	232	B6-S	E3-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_233	233	B6-S	E3-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_234	234	B6-S	C3-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_235	235	B6-S	C3-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_236	236	B6-S	L3-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_237	237	B6-S	H3-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_238	238	B6-S	G3-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_239	239	B6-S	G3-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_240	240	B6-S	F3-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_241	241	B6-S	F3-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_242	242	B6-S	E3-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_243	243	B6-S	E3-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_244	244	B6-S	C3-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_245	245	B6-S	C3-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_246	246	B6-S	L4-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_247	247	B6-S	L4-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_248	248	B6-S	K4-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_249	249	B6-S	K4-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_250	250	B6-S	H4-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_251	251	B6-S	H4-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_252	252	B6-S	G4-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_253	253	B6-S	G4-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_254	254	B6-S	F4-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_255	255	B6-S	F4-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_256	256	B6-S	E4-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_257	257	B6-S	E4-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_258	258	B6-S	C4-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_259	259	B6-S	C4-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_260	260	B6-S	B4-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_261	261	B6-S	L4-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_262	262	B6-S	L4-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_263	263	B6-S	K4-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_264	264	B6-S	K4-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_265	265	B6-S	H4-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_266	266	B6-S	H4-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_267	267	B6-S	G4-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_268	268	B6-S	G4-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_269	269	B6-S	F4-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_270	270	B6-S	F4-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_271	271	B6-S	E4-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_272	272	B6-S	E4-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_273	273	B6-S	C4-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_274	274	B6-S	C4-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_275	275	B6-S	B4-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_276	276	B6-S	L5-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_277	277	B6-S	K5-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_278	278	B6-S	K5-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_279	279	B6-S	H5-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_280	280	B6-S	H5-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_281	281	B6-S	G5-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_282	282	B6-S	G5-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_283	283	B6-S	F5-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_284	284	B6-S	F5-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_285	285	B6-S	E5-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_286	286	B6-S	E5-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_287	287	B6-S	C5-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_288	288	B6-S	C5-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_289	289	B6-S	L5-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_290	290	B6-S	K5-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_291	291	B6-S	H5-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_292	292	B6-S	H5-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_293	293	B6-S	G5-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_294	294	B6-S	G5-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_295	295	B6-S	F5-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_296	296	B6-S	F5-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_297	297	B6-S	E5-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_298	298	B6-S	E5-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_299	299	B6-S	C5-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_300	300	B6-S	C5-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_301	301	B6-S	B5-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_302	302	B6-S	K6-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_303	303	B6-S	K6-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_304	304	B6-S	H6-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_305	305	B6-S	H6-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_306	306	B6-S	G6-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_307	307	B6-S	G6-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_308	308	B6-S	F6-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_309	309	B6-S	F6-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_310	310	B6-S	E6-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_311	311	B6-S	E6-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_312	312	B6-S	C6-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_313	313	B6-S	H6-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_314	314	B6-S	G6-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_315	315	B6-S	G6-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_316	316	B6-S	F6-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_317	317	B6-S	F6-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_318	318	A7-S	F2-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_319	319	A7-S	E2-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_320	320	A7-S	E2-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_321	321	A7-S	H2-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_322	322	A7-S	H2-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_323	323	A7-S	G2-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_324	324	A7-S	G2-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_325	325	A7-S	F2-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_326	326	A7-S	F2-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_327	327	A7-S	E2-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_328	328	A7-S	E2-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_329	329	A7-S	C2-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_330	330	A7-S	C2-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_331	331	A7-S	B2-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_332	332	A7-S	H3-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_333	333	A7-S	H3-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_334	334	A7-S	G3-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_335	335	A7-S	G3-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_336	336	A7-S	F3-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_337	337	A7-S	F3-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_338	338	A7-S	E3-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_339	339	A7-S	E3-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_340	340	A7-S	C3-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_341	341	A7-S	C3-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_342	342	A7-S	B3-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_343	343	A7-S	B3-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_344	344	A7-S	K3-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_345	345	A7-S	H3-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_346	346	A7-S	H3-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_347	347	A7-S	G3-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_348	348	A7-S	G3-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_349	349	A7-S	F3-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_350	350	A7-S	F3-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_351	351	A7-S	E3-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_352	352	A7-S	E3-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_353	353	A7-S	C3-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_354	354	A7-S	C3-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_355	355	A7-S	B3-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_356	356	A7-S	B3-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_357	357	A7-S	A3-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_358	358	A7-S	K4-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_359	359	A7-S	H4-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_360	360	A7-S	H4-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_361	361	A7-S	G4-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_362	362	A7-S	G4-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_363	363	A7-S	F4-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_364	364	A7-S	F4-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_365	365	A7-S	E4-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_366	366	A7-S	E4-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_367	367	A7-S	C4-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_368	368	A7-S	C4-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_369	369	A7-S	B4-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_370	370	A7-S	B4-1	ND										Yes	Yes		CDM Smith	A. Coler

ATTACHMENT 1B. DATA SUMMARY OF STRUCTURE INFORMATION

DVC	Samp No	Analysis Method	Analysis ID	StructureID	Row Index	Grid	Grid Opening	Structure Type	Primary	Total	Length	Width	AR	Mineral Class	Mineral Desc	EDXA Observation	Structure Identification	Chrysotile Count	Low Mag	Structure Comment	Verifier's Company	Verifier's Name
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_371	371	A7-S	A4-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_372	372	A7-S	A4-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_373	373	A7-S	K4-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_374	374	A7-S	H4-6	F	2	2	6.8	0.3	22.666667	LA	WRTA	NaK	ADX	Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_375	375	A7-S	H4-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_376	376	A7-S	G4-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_377	377	A7-S	G4-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_378	378	A7-S	F4-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_379	379	A7-S	F4-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_380	380	A7-S	E4-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_381	381	A7-S	E4-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_382	382	A7-S	C4-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_383	383	A7-S	C4-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_384	384	A7-S	B4-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_385	385	A7-S	B4-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_386	386	A7-S	A4-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_387	387	A7-S	A4-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_388	388	A7-S	K5-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_389	389	A7-S	H5-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_390	390	A7-S	H5-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_391	391	A7-S	G5-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_392	392	A7-S	G5-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_393	393	A7-S	F5-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_394	394	A7-S	F5-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_395	395	A7-S	E5-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_396	396	A7-S	E5-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_397	397	A7-S	C5-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_398	398	A7-S	C5-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_399	399	A7-S	B5-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_400	400	A7-S	B5-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_401	401	A7-S	A5-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_402	402	A7-S	H5-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_403	403	A7-S	H5-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_404	404	A7-S	G5-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_405	405	A7-S	G5-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_406	406	A7-S	F5-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_407	407	A7-S	F5-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_408	408	A7-S	E5-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_409	409	A7-S	E5-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_410	410	A7-S	C5-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_411	411	A7-S	C5-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_412	412	A7-S	B5-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_413	413	A7-S	B5-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_414	414	A7-S	H6-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_415	415	A7-S	G6-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_416	416	A7-S	G6-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_417	417	A7-S	F6-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_418	418	A7-S	F6-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_419	419	A7-S	E6-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_420	420	A7-S	E6-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_421	421	A7-S	C6-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_422	422	A7-S	C6-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_423	423	A7-S	B6-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_424	424	A7-S	B6-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_425	425	A7-S	F6-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_426	426	A7-S	F6-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_427	427	A7-S	E6-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_428	428	A7-S	E6-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_429	429	A7-S	C6-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_430	430	B7-S	K2-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_431	431	B7-S	H2-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_432	432	B7-S	H2-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_433	433	B7-S	G2-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_434	434	B7-S	G2-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_435	435	B7-S	F2-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_436	436	B7-S	F2-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_437	437	B7-S	E2-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_438	438	B7-S	E2-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_439	439	B7-S	C2-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_440	440	B7-S	K3-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_441	441	B7-S	K3-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_442	442	B7-S	H3-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_443	443	B7-S	H3-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_444	444	B7-S	G3-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_445	445	B7-S	G3-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_446	446	B7-S	F3-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_447	447	B7-S	F3-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_448	448	B7-S	E3-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_449	449	B7-S	E3-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_450	450	B7-S	C3-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_451	451	B7-S	C3-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_452	452	B7-S	K3-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_453	453	B7-S	K3-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_454	454	B7-S	H3-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_455	455	B7-S	H3-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_456	456	B7-S	G3-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_457	457	B7-S	G3-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_458	458	B7-S	F3-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_459	459	B7-S	F3-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_460	460	B7-S	E3-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_461	461	B7-S	E3-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_462	462	B7-S	C3-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_463	463	B7-S	C3-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_464	464	B7-S	L4-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_465	465	B7-S	K4-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_466	466	B7-S	K4-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_467	467	B7-S	H4-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_468	468	B7-S	H4-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_469	469	B7-S	G4-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_470	470	B7-S	G4-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_471	471	B7-S	F4-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_472	472	B7-S	F4-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_473	473	B7-S	E4-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_474	474	B7-S	E4-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_475	475	B7-S	C4-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_476	476	B7-S	L4-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_477	477	B7-S	K4-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_478	478	B7-S	K4-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_479	479	B7-S	H4-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_480	480	B7-S	H4-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_481	481	B7-S	G4-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_482	482	B7-S	G4-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_483	483	B7-S	F4-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_484	484	B7-S	F4-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_485	485	B7-S	E4-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_486	486	B7-S	E4-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_487	487	B7-S	C4-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_488	488	B7-S	C4-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_489	489	B7-S	B4-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_490	490	B7-S	L5-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_491	491	B7-S	K5-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_492	492	B7-S	K5-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_493	493	B7-S	H5-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_494	494	B7-S	H5-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_495	495	B7-S	G5-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_496	496	B7-S	G5-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_497	497	B7-S	F5-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_498	498	B7-S	F5-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_499	499	B7-S	E5-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05244	TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO	A140122-03_Indirect-Ashed_NotQC_TEM-ISO_500	500	B7-S	E5-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-AHERA	271200595-0004_Indirect-Ashed_NotQC	271200595-0004_Indirect-Ashed_NotQC_1	1	E1	F9	ND										Yes	No		CDM Smith	A. Coler
	3R-05245	TEM-AHERA	271200595-0004_Indirect-Ashed_NotQC	271200595-0004_Indirect-Ashed_NotQC_2	2	E1	F7	ND										Yes	No		CDM Smith	A. Coler
	3R-05245	TEM-AHERA	271200595-0004_Indirect-Ashed_NotQC	271200595-0004_Indirect-Ashed_NotQC_3	3	E1	F5	ND										Yes	No		CDM Smith	A. Coler
	3R-05245	TEM-AHERA	271200595-0004_Indirect-Ashed_NotQC	271200595-0004_Indirect-Ashed_NotQC_4	4	E1	F3	ND										Yes	No		CDM Smith	A. Coler
	3R-05245	TEM-AHERA	271200595-0004_Indirect-Ashed_NotQC	271200595-0004_Indirect-Ashed_NotQC_5	5	E1	F1	ND										Yes	No		CDM Smith	A. Coler
	3R-05245	TEM-AHERA	271200595-0004_Indirect-Ashed_NotQC	271200595-0004_Indirect-Ashed_NotQC_6	6	E2	I9	ND										Yes	No		CDM Smith	A. Coler
	3R-05245	TEM-AHERA	271200595-0004_Indirect-Ashed_NotQC	271200595-0004_Indirect-Ashed_NotQC_7	7	E2	I7	ND										Yes	No		CDM Smith	A. Coler
	3R-05245	TEM-AHERA	271200595-0004_Indirect-Ashed_NotQC	271200595-0004_Indirect-Ashed_NotQC_8	8	E2	I5	ND										Yes	No		CDM Smith	A. Coler
	3R-05245	TEM-AHERA	271200595-0004_Indirect-Ashed_NotQC	271200595-0004_Indirect-Ashed_NotQC_9	9	E2	I3	ND										Yes	No		CDM Smith	A. Coler
	3R-05245	TEM-AHERA	271200595-0004_Indirect-Ashed_NotQC	271200595-0004_Indirect-Ashed_NotQC_10	10	E2	I1	ND										Yes	No		CDM Smith	A. Coler

ATTACHMENT 1B. DATA SUMMARY OF STRUCTURE INFORMATION

DVC	Samp No	Analysis Method	Analysis ID	StructureID	Row Index	Grid	Grid Opening	Structure Type	Primary	Total	Length	Width	AR	Mineral Class	Mineral Desc	EDXA Observation	Structure Identification	Chrysotile Count	Low Mag	Structure Comment	Verifier's Company	Verifier's Name
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_1	1	A8-S	B2-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_2	2	A8-S	B3-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_3	3	A8-S	B3-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_4	4	A8-S	B3-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_5	5	A8-S	B3-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_6	6	A8-S	B4-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_7	7	A8-S	B4-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_8	8	A8-S	B4-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_9	9	A8-S	B4-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_10	10	A8-S	B5-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_11	11	A8-S	B5-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_12	12	A8-S	C2-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_13	13	A8-S	C2-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_14	14	A8-S	C2-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_15	15	A8-S	C3-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_16	16	A8-S	C3-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_17	17	A8-S	C3-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_18	18	A8-S	C3-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_19	19	A8-S	C4-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_20	20	A8-S	C4-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_21	21	A8-S	C4-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_22	22	A8-S	C4-6	F	0	0	9	0.5	18	NAM	UN	NaK	NAM	Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_23	23	A8-S	C5-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_24	24	A8-S	C5-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_25	25	A8-S	C5-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_26	26	A8-S	C5-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_27	27	A8-S	C6-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_28	28	A8-S	E1-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_29	29	A8-S	E2-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_30	30	A8-S	E2-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_31	31	A8-S	E2-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_32	32	A8-S	E2-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_33	33	A8-S	E3-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_34	34	A8-S	E3-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_35	35	A8-S	E3-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_36	36	A8-S	E3-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_37	37	A8-S	E4-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_38	38	A8-S	E4-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_39	39	A8-S	E4-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_40	40	A8-S	E4-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_41	41	A8-S	E5-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_42	42	A8-S	E5-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_43	43	A8-S	E5-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_44	44	A8-S	E5-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_45	45	A8-S	E6-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_46	46	A8-S	E6-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_47	47	A8-S	F1-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_48	48	A8-S	F1-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_49	49	A8-S	F2-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_50	50	A8-S	F2-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_51	51	A8-S	F2-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_52	52	A8-S	F2-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_53	53	A8-S	F3-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_54	54	A8-S	F3-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_55	55	A8-S	F3-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_56	56	A8-S	F3-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_57	57	A8-S	F4-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_58	58	A8-S	F4-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_59	59	A8-S	F4-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_60	60	A8-S	F4-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_61	61	A8-S	F5-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_62	62	A8-S	F5-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_63	63	A8-S	F5-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_64	64	A8-S	F5-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_65	65	A8-S	F6-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_66	66	A8-S	F6-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_67	67	A8-S	G2-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_68	68	A8-S	G2-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_69	69	A8-S	G2-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_70	70	A8-S	G2-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_71	71	A8-S	G3-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_72	72	A8-S	G3-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_73	73	A8-S	G3-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_74	74	A8-S	G3-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_75	75	A8-S	G4-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_76	76	A8-S	G4-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_77	77	A8-S	G4-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_78	78	A8-S	G4-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_79	79	A8-S	G5-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_80	80	A8-S	G5-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_81	81	A8-S	G5-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_82	82	A8-S	G5-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_83	83	A8-S	G6-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_84	84	A8-S	G6-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_85	85	A8-S	H2-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_86	86	A8-S	H2-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_87	87	A8-S	H2-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_88	88	A8-S	H3-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_89	89	A8-S	H3-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_90	90	A8-S	H3-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_91	91	A8-S	H3-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_92	92	A8-S	H4-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_93	93	A8-S	H4-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_94	94	A8-S	H4-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_95	95	A8-S	H4-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_96	96	A8-S	H5-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_97	97	A8-S	H5-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_98	98	A8-S	H5-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_99	99	A8-S	H5-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_100	100	A8-S	H6-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_101	101	A8-S	K2-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_102	102	A8-S	K3-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_103	103	A8-S	K3-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_104	104	A8-S	K3-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_105	105	A8-S	K3-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_106	106	A8-S	K4-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_107	107	A8-S	K4-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_108	108	A8-S	K4-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_109	109	A8-S	K4-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_110	110	A8-S	K5-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_111	111	A8-S	K5-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_112	112	B8-S	A4-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_113	113	B8-S	A4-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_114	114	B8-S	A5-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_115	115	B8-S	B2-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_116	116	B8-S	B3-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_117	117	B8-S	B3-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_118	118	B8-S	B3-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_119	119	B8-S	B3-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_120	120	B8-S	B4-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_121	121	B8-S	B4-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_122	122	B8-S	B4-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_123	123	B8-S	B4-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_124	124	B8-S	B5-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_125	125	B8-S	B5-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_126	126	B8-S	B5-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_127	127	B8-S	B5-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_128	128	B8-S	B6-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_129	129	B8-S	C2-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_130	130	B8-S	C2-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_131	131	B8-S	C3-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_132	132	B8-S	C3-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_133	133	B8-S	C3-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_134	134	B8-S	C3-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_135	135	B8-S	C4-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_136	136	B8-S	C4-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_137	137	B8-S	C4-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_138	138	B8-S	C4-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_139	139	B8-S	C5-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_140	140	B8-S	C5-3	ND										Yes	Yes		CDM Smith	A. Coler

ATTACHMENT 1B. DATA SUMMARY OF STRUCTURE INFORMATION

DVC	Samp No	Analysis Method	Analysis ID	StructureID	Row Index	Grid	Grid Opening	Structure Type	Primary	Total	Length	Width	AR	Mineral Class	Mineral Desc	EDXA Observation	Structure Identification	Chrysotile Count	Low Mag	Structure Comment	Verifier's Company	Verifier's Name
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_141	141	B8-S	C5-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_142	142	B8-S	C5-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_143	143	B8-S	C6-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_144	144	B8-S	C6-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_145	145	B8-S	C6-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_146	146	B8-S	E2-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_147	147	B8-S	E2-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_148	148	B8-S	E3-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_149	149	B8-S	E3-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_150	150	B8-S	E3-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_151	151	B8-S	E3-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_152	152	B8-S	E4-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_153	153	B8-S	E4-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_154	154	B8-S	E4-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_155	155	B8-S	E4-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_156	156	B8-S	E5-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_157	157	B8-S	E5-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_158	158	B8-S	E5-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_159	159	B8-S	E5-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_160	160	B8-S	E6-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_161	161	B8-S	E6-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_162	162	B8-S	E6-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_163	163	B8-S	E6-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_164	164	B8-S	F2-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_165	165	B8-S	F2-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_166	166	B8-S	F3-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_167	167	B8-S	F3-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_168	168	B8-S	F3-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_169	169	B8-S	F3-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_170	170	B8-S	F4-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_171	171	B8-S	F4-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_172	172	B8-S	F4-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_173	173	B8-S	F4-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_174	174	B8-S	F5-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_175	175	B8-S	F5-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_176	176	B8-S	F5-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_177	177	B8-S	F5-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_178	178	B8-S	F6-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_179	179	B8-S	F6-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_180	180	B8-S	F6-4	F	1	1	6	0.4	15	LA	WRTA	NaK	ADX	Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_181	181	B8-S	F6-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_182	182	B8-S	G2-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_183	183	B8-S	G2-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_184	184	B8-S	G3-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_185	185	B8-S	G3-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_186	186	B8-S	G3-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_187	187	B8-S	G3-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_188	188	B8-S	G4-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_189	189	B8-S	G4-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_190	190	B8-S	G4-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_191	191	B8-S	G4-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_192	192	B8-S	G5-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_193	193	B8-S	G5-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_194	194	B8-S	G5-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_195	195	B8-S	G5-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_196	196	B8-S	G6-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_197	197	B8-S	G6-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_198	198	B8-S	G6-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_199	199	B8-S	G6-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_200	200	B8-S	H2-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_201	201	B8-S	H3-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_202	202	B8-S	H3-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_203	203	B8-S	H3-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_204	204	B8-S	H3-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_205	205	B8-S	H4-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_206	206	B8-S	H4-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_207	207	B8-S	H4-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_208	208	B8-S	H4-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_209	209	B8-S	H5-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_210	210	B8-S	H5-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_211	211	B8-S	H5-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_212	212	B8-S	H5-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_213	213	B8-S	H6-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_214	214	B8-S	H6-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_215	215	B8-S	K3-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_216	216	B8-S	K4-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_217	217	B8-S	K4-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_218	218	B8-S	K5-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_219	219	A9-S	B2-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_220	220	A9-S	B3-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_221	221	A9-S	B3-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_222	222	A9-S	B3-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_223	223	A9-S	B4-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_224	224	A9-S	B4-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_225	225	A9-S	B4-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_226	226	A9-S	B4-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_227	227	A9-S	B5-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_228	228	A9-S	B5-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_229	229	A9-S	C2-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_230	230	A9-S	C2-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_231	231	A9-S	C2-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_232	232	A9-S	C3-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_233	233	A9-S	C3-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_234	234	A9-S	C3-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_235	235	A9-S	C3-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_236	236	A9-S	C4-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_237	237	A9-S	C4-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_238	238	A9-S	C4-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_239	239	A9-S	C4-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_240	240	A9-S	C5-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_241	241	A9-S	C5-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_242	242	A9-S	C5-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_243	243	A9-S	C5-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_244	244	A9-S	C6-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_245	245	A9-S	E2-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_246	246	A9-S	E2-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_247	247	A9-S	E2-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_248	248	A9-S	E2-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_249	249	A9-S	E3-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_250	250	A9-S	E3-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_251	251	A9-S	E3-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_252	252	A9-S	E3-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_253	253	A9-S	E4-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_254	254	A9-S	E4-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_255	255	A9-S	E4-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_256	256	A9-S	E4-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_257	257	A9-S	E5-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_258	258	A9-S	E5-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_259	259	A9-S	E5-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_260	260	A9-S	E5-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_261	261	A9-S	E6-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_262	262	A9-S	E6-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_263	263	A9-S	F1-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_264	264	A9-S	F1-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_265	265	A9-S	F2-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_266	266	A9-S	F2-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_267	267	A9-S	F2-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_268	268	A9-S	F2-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_269	269	A9-S	F3-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_270	270	A9-S	F3-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_271	271	A9-S	F3-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_272	272	A9-S	F3-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_273	273	A9-S	F4-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_274	274	A9-S	F4-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_275	275	A9-S	F4-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_276	276	A9-S	F4-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_277	277	A9-S	F5-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_278	278	A9-S	F5-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_279	279	A9-S	F5-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_280	280	A9-S	F6-1	ND										Yes	Yes		CDM Smith	A. Coler

ATTACHMENT 1B. DATA SUMMARY OF STRUCTURE INFORMATION

DVC	Samp No	Analysis Method	Analysis ID	StructureID	Row Index	Grid	Grid Opening	Structure Type	Primary	Total	Length	Width	AR	Mineral Class	Mineral Desc	EDXA Observation	Structure Identification	Chrysotile Count	Low Mag	Structure Comment	Verifier's Company	Verifier's Name
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_281	281	A9-S	F6-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_282	282	A9-S	G2-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_283	283	A9-S	G2-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_284	284	A9-S	G2-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_285	285	A9-S	G2-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_286	286	A9-S	G3-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_287	287	A9-S	G3-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_288	288	A9-S	G3-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_289	289	A9-S	G3-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_290	290	A9-S	G4-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_291	291	A9-S	G4-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_292	292	A9-S	G4-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_293	293	A9-S	G5-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_294	294	A9-S	G5-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_295	295	A9-S	G5-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_296	296	A9-S	G5-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_297	297	A9-S	G6-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_298	298	A9-S	G6-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_299	299	A9-S	H2-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_300	300	A9-S	H2-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_301	301	A9-S	H2-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_302	302	A9-S	H3-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_303	303	A9-S	H3-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_304	304	A9-S	H3-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_305	305	A9-S	H3-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_306	306	A9-S	H4-1	F	2	2	5.5	1	5.5	LA	AC	XX	ADX	Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_307	307	A9-S	H4-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_308	308	A9-S	H4-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_309	309	A9-S	H4-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_310	310	A9-S	H5-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_311	311	A9-S	H5-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_312	312	A9-S	H5-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_313	313	A9-S	H5-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_314	314	A9-S	H6-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_315	315	A9-S	K2-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_316	316	A9-S	K3-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_317	317	A9-S	K3-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_318	318	A9-S	K3-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_319	319	A9-S	K3-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_320	320	A9-S	K4-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_321	321	A9-S	K4-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_322	322	A9-S	K4-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_323	323	A9-S	K4-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_324	324	A9-S	K5-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_325	325	A9-S	K5-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_326	326	B9-S	B3-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_327	327	B9-S	B3-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_328	328	B9-S	B3-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_329	329	B9-S	B4-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_330	330	B9-S	B4-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_331	331	B9-S	B4-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_332	332	B9-S	B4-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_333	333	B9-S	B5-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_334	334	B9-S	C2-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_335	335	B9-S	C2-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_336	336	B9-S	C3-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_337	337	B9-S	C3-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_338	338	B9-S	C3-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_339	339	B9-S	C3-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_340	340	B9-S	C4-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_341	341	B9-S	C4-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_342	342	B9-S	C4-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_343	343	B9-S	C4-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_344	344	B9-S	C5-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_345	345	B9-S	C5-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_346	346	B9-S	C5-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_347	347	B9-S	C5-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_348	348	B9-S	C6-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_349	349	B9-S	E2-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_350	350	B9-S	E2-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_351	351	B9-S	E2-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_352	352	B9-S	E2-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_353	353	B9-S	E3-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_354	354	B9-S	E3-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_355	355	B9-S	E3-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_356	356	B9-S	E3-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_357	357	B9-S	E4-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_358	358	B9-S	E4-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_359	359	B9-S	E4-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_360	360	B9-S	E4-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_361	361	B9-S	E5-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_362	362	B9-S	E5-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_363	363	B9-S	E5-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_364	364	B9-S	E5-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_365	365	B9-S	E6-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_366	366	B9-S	E6-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_367	367	B9-S	F2-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_368	368	B9-S	F2-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_369	369	B9-S	F2-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_370	370	B9-S	F2-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_371	371	B9-S	F3-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_372	372	B9-S	F3-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_373	373	B9-S	F3-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_374	374	B9-S	F3-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_375	375	B9-S	F4-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_376	376	B9-S	F4-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_377	377	B9-S	F4-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_378	378	B9-S	F4-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_379	379	B9-S	F5-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_380	380	B9-S	F5-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_381	381	B9-S	F5-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_382	382	B9-S	F5-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_383	383	B9-S	F6-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_384	384	B9-S	F6-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_385	385	B9-S	G2-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_386	386	B9-S	G2-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_387	387	B9-S	G2-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_388	388	B9-S	G2-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_389	389	B9-S	G3-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_390	390	B9-S	G3-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_391	391	B9-S	G3-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_392	392	B9-S	G3-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_393	393	B9-S	G4-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_394	394	B9-S	G4-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_395	395	B9-S	G4-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_396	396	B9-S	G4-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_397	397	B9-S	G5-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_398	398	B9-S	G5-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_399	399	B9-S	G5-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_400	400	B9-S	G5-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_401	401	B9-S	G6-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_402	402	B9-S	G6-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_403	403	B9-S	H2-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_404	404	B9-S	H2-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_405	405	B9-S	H2-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_406	406	B9-S	H3-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_407	407	B9-S	H3-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_408	408	B9-S	H3-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_409	409	B9-S	H3-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_410	410	B9-S	H4-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_411	411	B9-S	H4-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_412	412	B9-S	H4-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_413	413	B9-S	H4-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_414	414	B9-S	H5-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_415	415	B9-S	H5-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_416	416	B9-S	H5-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_417	417	B9-S	H5-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_418	418	B9-S	H6-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_419	419	B9-S	K2-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_420	420	B9-S	K3-1	ND										Yes	Yes		CDM Smith	A. Coler

ATTACHMENT 1B. DATA SUMMARY OF STRUCTURE INFORMATION

DVC	Samp No	Analysis Method	Analysis ID	StructureID	Row Index	Grid	Grid Opening	Structure Type	Primary	Total	Length	Width	AR	Mineral Class	Mineral Desc	EDXA Observation	Structure Identification	Chrysotile Count	Low Mag	Structure Comment	Verifier's Company	Verifier's Name
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_421	421	B9-S	K3-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_422	422	B9-S	K3-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_423	423	B9-S	K3-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_424	424	B9-S	K4-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_425	425	B9-S	K4-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_426	426	B9-S	K4-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_427	427	B9-S	K4-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_428	428	B9-S	K5-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_429	429	B9-S	K5-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_430	430	B9-S	K5-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_431	431	C9-S	B3-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_432	432	C9-S	B3-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_433	433	C9-S	B3-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_434	434	C9-S	B3-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_435	435	C9-S	B4-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_436	436	C9-S	B4-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_437	437	C9-S	B4-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_438	438	C9-S	B4-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_439	439	C9-S	B5-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_440	440	C9-S	B5-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_441	441	C9-S	B5-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_442	442	C9-S	B5-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_443	443	C9-S	C2-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_444	444	C9-S	C2-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_445	445	C9-S	C3-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_446	446	C9-S	C3-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_447	447	C9-S	C3-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_448	448	C9-S	C3-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_449	449	C9-S	C4-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_450	450	C9-S	C4-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_451	451	C9-S	C4-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_452	452	C9-S	C4-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_453	453	C9-S	C5-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_454	454	C9-S	C5-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_455	455	C9-S	C5-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_456	456	C9-S	C5-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_457	457	C9-S	C6-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_458	458	C9-S	C6-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_459	459	C9-S	E2-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_460	460	C9-S	E2-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_461	461	C9-S	E3-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_462	462	C9-S	E3-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_463	463	C9-S	E3-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_464	464	C9-S	E3-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_465	465	C9-S	E4-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_466	466	C9-S	E4-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_467	467	C9-S	E4-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_468	468	C9-S	E4-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_469	469	C9-S	E5-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_470	470	C9-S	E5-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_471	471	C9-S	E5-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_472	472	C9-S	E5-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_473	473	C9-S	E6-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_474	474	C9-S	E6-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_475	475	C9-S	E6-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_476	476	C9-S	E6-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_477	477	C9-S	F2-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_478	478	C9-S	F2-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_479	479	C9-S	F3-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_480	480	C9-S	F3-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_481	481	C9-S	F3-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_482	482	C9-S	F3-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_483	483	C9-S	F4-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_484	484	C9-S	F4-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_485	485	C9-S	F4-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_486	486	C9-S	F4-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_487	487	C9-S	F5-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_488	488	C9-S	F5-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_489	489	C9-S	F5-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_490	490	C9-S	F5-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_491	491	C9-S	F6-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_492	492	C9-S	F6-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_493	493	C9-S	F6-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_494	494	C9-S	F6-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_495	495	C9-S	G2-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_496	496	C9-S	G2-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_497	497	C9-S	G3-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_498	498	C9-S	G3-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_499	499	C9-S	G3-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05245	TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO	A140122-04_Indirect-Ashed_NotQC_TEM-ISO_500	500	C9-S	G3-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-AHERA	271200595-0005_Indirect-Ashed_NotQC	271200595-0005_Indirect-Ashed_NotQC_1	1	E3	G9	ND										Yes	No		CDM Smith	A. Coler
	3R-05246	TEM-AHERA	271200595-0005_Indirect-Ashed_NotQC	271200595-0005_Indirect-Ashed_NotQC_2	2	E3	G7	ND										Yes	No		CDM Smith	A. Coler
	3R-05246	TEM-AHERA	271200595-0005_Indirect-Ashed_NotQC	271200595-0005_Indirect-Ashed_NotQC_3	3	E3	G5	ND										Yes	No		CDM Smith	A. Coler
	3R-05246	TEM-AHERA	271200595-0005_Indirect-Ashed_NotQC	271200595-0005_Indirect-Ashed_NotQC_4	4	E3	G3	ND										Yes	No		CDM Smith	A. Coler
	3R-05246	TEM-AHERA	271200595-0005_Indirect-Ashed_NotQC	271200595-0005_Indirect-Ashed_NotQC_5	5	E3	G1	ND										Yes	No		CDM Smith	A. Coler
	3R-05246	TEM-AHERA	271200595-0005_Indirect-Ashed_NotQC	271200595-0005_Indirect-Ashed_NotQC_6	6	E4	D9	ND										Yes	No		CDM Smith	A. Coler
	3R-05246	TEM-AHERA	271200595-0005_Indirect-Ashed_NotQC	271200595-0005_Indirect-Ashed_NotQC_7	7	E4	D7	ND										Yes	No		CDM Smith	A. Coler
	3R-05246	TEM-AHERA	271200595-0005_Indirect-Ashed_NotQC	271200595-0005_Indirect-Ashed_NotQC_8	8	E4	D5	ND										Yes	No		CDM Smith	A. Coler
	3R-05246	TEM-AHERA	271200595-0005_Indirect-Ashed_NotQC	271200595-0005_Indirect-Ashed_NotQC_9	9	E4	D3	ND										Yes	No		CDM Smith	A. Coler
	3R-05246	TEM-AHERA	271200595-0005_Indirect-Ashed_NotQC	271200595-0005_Indirect-Ashed_NotQC_10	10	E4	D1	ND										Yes	No		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_1	1	B10-S	G2-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_2	2	B10-S	G2-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_3	3	B10-S	F2-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_4	4	B10-S	F2-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_5	5	B10-S	E2-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_6	6	B10-S	K2-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_7	7	B10-S	H2-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_8	8	B10-S	H2-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_9	9	B10-S	G2-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_10	10	B10-S	G2-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_11	11	B10-S	F2-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_12	12	B10-S	F2-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_13	13	B10-S	E2-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_14	14	B10-S	E2-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_15	15	B10-S	C2-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_16	16	B10-S	K3-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_17	17	B10-S	K3-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_18	18	B10-S	H3-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_19	19	B10-S	H3-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_20	20	B10-S	G3-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_21	21	B10-S	G3-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_22	22	B10-S	F3-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_23	23	B10-S	F3-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_24	24	B10-S	E3-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_25	25	B10-S	E3-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_26	26	B10-S	C3-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_27	27	B10-S	C3-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_28	28	B10-S	L3-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_29	29	B10-S	K3-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_30	30	B10-S	K3-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_31	31	B10-S	H3-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_32	32	B10-S	H3-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_33	33	B10-S	G3-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_34	34	B10-S	G3-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_35	35	B10-S	F3-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_36	36	B10-S	F3-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_37	37	B10-S	E3-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_38	38	B10-S	E3-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_39	39	B10-S	C3-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_40	40	B10-S	C3-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_41	41	B10-S	B3-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_42	42	B10-S	L4-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_43	43	B10-S	K4-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_44	44	B10-S	K4-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_45	45	B10-S	H4-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_46	46	B10-S	H4-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_47	47	B10-S	G4-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_48	48	B10-S	G4-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_49	49	B10-S	F4-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_50	50	B10-S	F4-1	ND										Yes	Yes		CDM Smith	A. Coler

ATTACHMENT 1B. DATA SUMMARY OF STRUCTURE INFORMATION

DVC	Samp No	Analysis Method	Analysis ID	StructureID	Row Index	Grid	Grid Opening	Structure Type	Primary	Total	Length	Width	AR	Mineral Class	Mineral Desc	EDXA Observation	Structure Identification	Chrysotile Count	Low Mag	Structure Comment	Verifier's Company	Verifier's Name
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_51	51	B10-S	E4-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_52	52	B10-S	E4-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_53	53	B10-S	C4-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_54	54	B10-S	C4-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_55	55	B10-S	B4-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_56	56	B10-S	L4-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_57	57	B10-S	K4-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_58	58	B10-S	K4-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_59	59	B10-S	H4-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_60	60	B10-S	H4-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_61	61	B10-S	G4-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_62	62	B10-S	G4-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_63	63	B10-S	F4-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_64	64	B10-S	F4-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_65	65	B10-S	E4-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_66	66	B10-S	E4-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_67	67	B10-S	C4-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_68	68	B10-S	C4-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_69	69	B10-S	B4-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_70	70	B10-S	L5-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_71	71	B10-S	K5-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_72	72	B10-S	K5-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_73	73	B10-S	H5-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_74	74	B10-S	H5-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_75	75	B10-S	G5-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_76	76	B10-S	G5-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_77	77	B10-S	F5-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_78	78	B10-S	F5-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_79	79	B10-S	E5-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_80	80	B10-S	E5-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_81	81	B10-S	C5-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_82	82	B10-S	C5-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_83	83	B10-S	B5-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_84	84	B10-S	K5-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_85	85	B10-S	K5-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_86	86	B10-S	H5-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_87	87	B10-S	H5-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_88	88	B10-S	G5-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_89	89	B10-S	G5-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_90	90	B10-S	F5-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_91	91	B10-S	F5-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_92	92	B10-S	E5-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_93	93	B10-S	E5-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_94	94	B10-S	C5-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_95	95	B10-S	C5-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_96	96	B10-S	K6-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_97	97	B10-S	H6-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_98	98	B10-S	H6-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_99	99	B10-S	G6-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_100	100	B10-S	G6-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_101	101	B10-S	F6-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_102	102	B10-S	F6-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_103	103	B10-S	E6-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_104	104	B10-S	E6-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_105	105	B10-S	C6-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_106	106	B10-S	G6-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_107	107	B10-S	G6-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_108	108	B10-S	F6-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_109	109	B10-S	F6-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_110	110	A-11S	G2-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_111	111	A-11S	G2-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_112	112	A-11S	F2-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_113	113	A-11S	F2-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_114	114	A-11S	E2-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_115	115	A-11S	E2-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_116	116	A-11S	C2-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_117	117	A-11S	H3-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_118	118	A-11S	H3-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_119	119	A-11S	G3-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_120	120	A-11S	G3-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_121	121	A-11S	F3-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_122	122	A-11S	F3-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_123	123	A-11S	E3-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_124	124	A-11S	E3-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_125	125	A-11S	C3-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_126	126	A-11S	C3-1	F	1	1	7.5	0.6	12.5	LA	WRTA	NaK	ADX	Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_127	127	A-11S	K3-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_128	128	A-11S	H3-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_129	129	A-11S	H3-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_130	130	A-11S	G3-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_131	131	A-11S	G3-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_132	132	A-11S	F3-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_133	133	A-11S	F3-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_134	134	A-11S	E3-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_135	135	A-11S	E3-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_136	136	A-11S	C3-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_137	137	A-11S	C3-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_138	138	A-11S	B3-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_139	139	A-11S	B3-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_140	140	A-11S	K4-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_141	141	A-11S	K4-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_142	142	A-11S	H4-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_143	143	A-11S	H4-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_144	144	A-11S	G4-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_145	145	A-11S	G4-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_146	146	A-11S	F4-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_147	147	A-11S	F4-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_148	148	A-11S	E4-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_149	149	A-11S	E4-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_150	150	A-11S	C4-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_151	151	A-11S	C4-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_152	152	A-11S	B4-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_153	153	A-11S	B4-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_154	154	A-11S	K4-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_155	155	A-11S	K4-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_156	156	A-11S	H4-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_157	157	A-11S	H4-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_158	158	A-11S	G4-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_159	159	A-11S	G4-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_160	160	A-11S	F4-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_161	161	A-11S	F4-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_162	162	A-11S	E4-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_163	163	A-11S	E4-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_164	164	A-11S	C4-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_165	165	A-11S	C4-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_166	166	A-11S	B4-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_167	167	A-11S	B4-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_168	168	A-11S	K5-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_169	169	A-11S	H5-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_170	170	A-11S	H5-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_171	171	A-11S	G5-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_172	172	A-11S	G5-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_173	173	A-11S	F5-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_174	174	A-11S	F5-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_175	175	A-11S	E5-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_176	176	A-11S	E5-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_177	177	A-11S	C5-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_178	178	A-11S	C5-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_179	179	A-11S	B5-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_180	180	A-11S	B5-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_181	181	A-11S	K5-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_182	182	A-11S	H5-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_183	183	A-11S	H5-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_184	184	A-11S	G5-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_185	185	A-11S	G5-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_186	186	A-11S	F5-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_187	187	A-11S	F5-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_188	188	A-11S	E5-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_189	189	A-11S	E5-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_190	190	A-11S	C5-6	ND										Yes	Yes		CDM Smith	A. Coler

ATTACHMENT 1B. DATA SUMMARY OF STRUCTURE INFORMATION

DVC	Samp No	Analysis Method	Analysis ID	StructureID	Row Index	Grid	Grid Opening	Structure Type	Primary	Total	Length	Width	AR	Mineral Class	Mineral Desc	EDXA Observation	Structure Identification	Chrysotile Count	Low Mag	Structure Comment	Verifier's Company	Verifier's Name
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_191	191	A-11S	C5-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_192	192	A-11S	B5-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_193	193	A-11S	B5-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_194	194	A-11S	K6-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_195	195	A-11S	H6-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_196	196	A-11S	H6-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_197	197	A-11S	G6-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_198	198	A-11S	G6-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_199	199	A-11S	F6-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_200	200	A-11S	F6-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_201	201	A-11S	E6-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_202	202	A-11S	E6-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_203	203	A-11S	C6-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_204	204	A-11S	C6-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_205	205	A-11S	B6-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_206	206	A-11S	H6-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_207	207	A-11S	G6-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_208	208	A-11S	G6-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_209	209	A-11S	F6-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_210	210	A-11S	F6-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_211	211	A-11S	E6-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_212	212	A-11S	E6-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_213	213	A-11S	C6-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_214	214	A-11S	G7-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_215	215	A-11S	G7-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_216	216	B11-S	A3-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_217	217	B11-S	A4-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_218	218	B11-S	A4-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_219	219	B11-S	A5-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_220	220	B11-S	B2-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_221	221	B11-S	B2-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_222	222	B11-S	B3-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_223	223	B11-S	B3-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_224	224	B11-S	B3-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_225	225	B11-S	B3-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_226	226	B11-S	B4-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_227	227	B11-S	B4-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_228	228	B11-S	B4-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_229	229	B11-S	B4-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_230	230	B11-S	B5-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_231	231	B11-S	B5-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_232	232	B11-S	B5-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_233	233	B11-S	C2-1	F	0	0	19	1.5	12.666667	NAM	PY	XX	NAM	Yes	Yes	XGBLD	CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_234	234	B11-S	C2-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_235	235	B11-S	C2-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_236	236	B11-S	C2-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_237	237	B11-S	C3-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_238	238	B11-S	C3-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_239	239	B11-S	C3-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_240	240	B11-S	C3-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_241	241	B11-S	C4-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_242	242	B11-S	C4-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_243	243	B11-S	C4-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_244	244	B11-S	C4-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_245	245	B11-S	C5-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_246	246	B11-S	C5-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_247	247	B11-S	C5-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_248	248	B11-S	C5-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_249	249	B11-S	C6-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_250	250	B11-S	C6-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_251	251	B11-S	E2-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_252	252	B11-S	E2-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_253	253	B11-S	E2-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_254	254	B11-S	E2-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_255	255	B11-S	E3-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_256	256	B11-S	E3-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_257	257	B11-S	E3-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_258	258	B11-S	E3-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_259	259	B11-S	E4-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_260	260	B11-S	E4-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_261	261	B11-S	E4-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_262	262	B11-S	E4-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_263	263	B11-S	E5-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_264	264	B11-S	E5-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_265	265	B11-S	E5-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_266	266	B11-S	E5-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_267	267	B11-S	E6-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_268	268	B11-S	E6-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_269	269	B11-S	F2-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_270	270	B11-S	F2-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_271	271	B11-S	F2-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_272	272	B11-S	F2-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_273	273	B11-S	F3-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_274	274	B11-S	F3-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_275	275	B11-S	F3-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_276	276	B11-S	F3-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_277	277	B11-S	F4-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_278	278	B11-S	F4-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_279	279	B11-S	F4-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_280	280	B11-S	F4-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_281	281	B11-S	F5-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_282	282	B11-S	F5-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_283	283	B11-S	F5-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_284	284	B11-S	F5-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_285	285	B11-S	F6-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_286	286	B11-S	F6-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_287	287	B11-S	G2-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_288	288	B11-S	G2-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_289	289	B11-S	G2-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_290	290	B11-S	G2-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_291	291	B11-S	G3-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_292	292	B11-S	G3-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_293	293	B11-S	G3-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_294	294	B11-S	G3-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_295	295	B11-S	G4-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_296	296	B11-S	G4-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_297	297	B11-S	G4-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_298	298	B11-S	G4-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_299	299	B11-S	G5-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_300	300	B11-S	G5-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_301	301	B11-S	G5-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_302	302	B11-S	G5-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_303	303	B11-S	G6-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_304	304	B11-S	H2-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_305	305	B11-S	H3-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_306	306	B11-S	H3-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_307	307	B11-S	H3-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_308	308	B11-S	H3-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_309	309	B11-S	H4-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_310	310	B11-S	H4-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_311	311	B11-S	H4-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_312	312	B11-S	H4-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_313	313	B11-S	H5-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_314	314	B11-S	H5-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_315	315	B11-S	H5-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_316	316	B11-S	H5-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_317	317	B11-S	K3-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_318	318	B11-S	K4-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_319	319	B11-S	K4-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_320	320	B11-S	K5-1	F	2	2	5.5	0.8	6.875	LA	AC	XX	ADX	Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_321	321	C11-S	B3-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_322	322	C11-S	B3-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_323	323	C11-S	B4-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_324	324	C11-S	B4-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_325	325	C11-S	B4-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_326	326	C11-S	B4-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_327	327	C11-S	B5-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_328	328	C11-S	C2-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_329	329	C11-S	C2-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_330	330	C11-S	C3-1	ND										Yes	Yes		CDM Smith	A. Coler

ATTACHMENT 1B. DATA SUMMARY OF STRUCTURE INFORMATION

DVC	Samp No	Analysis Method	Analysis ID	StructureID	Row Index	Grid	Grid Opening	Structure Type	Primary	Total	Length	Width	AR	Mineral Class	Mineral Desc	EDXA Observation	Structure Identification	Chrysotile Count	Low Mag	Structure Comment	Verifier's Company	Verifier's Name
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_331	331	C11-S	C3-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_332	332	C11-S	C3-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_333	333	C11-S	C3-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_334	334	C11-S	C4-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_335	335	C11-S	C4-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_336	336	C11-S	C4-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_337	337	C11-S	C4-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_338	338	C11-S	C5-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_339	339	C11-S	C5-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_340	340	C11-S	C5-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_341	341	C11-S	C5-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_342	342	C11-S	C6-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_343	343	C11-S	E2-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_344	344	C11-S	E2-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_345	345	C11-S	E2-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_346	346	C11-S	E2-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_347	347	C11-S	E3-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_348	348	C11-S	E3-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_349	349	C11-S	E3-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_350	350	C11-S	E3-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_351	351	C11-S	E4-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_352	352	C11-S	E4-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_353	353	C11-S	E4-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_354	354	C11-S	E4-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_355	355	C11-S	E5-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_356	356	C11-S	E5-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_357	357	C11-S	E5-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_358	358	C11-S	E5-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_359	359	C11-S	E6-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_360	360	C11-S	E6-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_361	361	C11-S	F1-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_362	362	C11-S	F2-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_363	363	C11-S	F2-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_364	364	C11-S	F2-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_365	365	C11-S	F2-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_366	366	C11-S	F3-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_367	367	C11-S	F3-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_368	368	C11-S	F3-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_369	369	C11-S	F3-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_370	370	C11-S	F4-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_371	371	C11-S	F4-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_372	372	C11-S	F4-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_373	373	C11-S	F4-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_374	374	C11-S	F5-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_375	375	C11-S	F5-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_376	376	C11-S	F5-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_377	377	C11-S	F6-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_378	378	C11-S	F6-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_379	379	C11-S	G2-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_380	380	C11-S	G2-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_381	381	C11-S	G2-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_382	382	C11-S	G3-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_383	383	C11-S	G3-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_384	384	C11-S	G3-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_385	385	C11-S	G3-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_386	386	C11-S	G4-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_387	387	C11-S	G4-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_388	388	C11-S	G4-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_389	389	C11-S	G4-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_390	390	C11-S	G5-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_391	391	C11-S	G5-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_392	392	C11-S	G5-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_393	393	C11-S	G5-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_394	394	C11-S	G6-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_395	395	C11-S	G6-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_396	396	C11-S	H2-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_397	397	C11-S	H2-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_398	398	C11-S	H2-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_399	399	C11-S	H2-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_400	400	C11-S	H3-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_401	401	C11-S	H3-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_402	402	C11-S	H3-4	F	3	3	10	0.5	20	LA	WRTA	NaK	ADX	Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_403	403	C11-S	H3-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_404	404	C11-S	H4-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_405	405	C11-S	H4-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_406	406	C11-S	H4-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_407	407	C11-S	H4-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_408	408	C11-S	H5-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_409	409	C11-S	H5-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_410	410	C11-S	H5-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_411	411	C11-S	H5-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_412	412	C11-S	H6-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_413	413	C11-S	H6-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_414	414	C11-S	K2-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_415	415	C11-S	K3-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_416	416	C11-S	K3-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_417	417	C11-S	K3-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_418	418	C11-S	K3-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_419	419	C11-S	K4-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_420	420	C11-S	K4-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_421	421	C11-S	K4-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_422	422	C11-S	K4-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_423	423	C11-S	K5-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_424	424	C11-S	K5-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_425	425	C11-S	K5-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_426	426	C11-S	L3-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_427	427	C11-S	L4-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_428	428	C11-S	L4-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_429	429	A12-S	B4-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_430	430	A12-S	B4-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_431	431	A12-S	B4-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_432	432	A12-S	B4-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_433	433	A12-S	C2-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_434	434	A12-S	C2-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_435	435	A12-S	C3-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_436	436	A12-S	C3-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_437	437	A12-S	C3-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_438	438	A12-S	C3-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_439	439	A12-S	C4-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_440	440	A12-S	C4-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_441	441	A12-S	C4-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_442	442	A12-S	C4-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_443	443	A12-S	E2-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_444	444	A12-S	E2-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_445	445	A12-S	E2-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_446	446	A12-S	E2-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_447	447	A12-S	E3-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_448	448	A12-S	E3-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_449	449	A12-S	E3-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_450	450	A12-S	E3-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_451	451	A12-S	E4-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_452	452	A12-S	E4-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_453	453	A12-S	E4-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_454	454	A12-S	E4-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_455	455	A12-S	E5-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_456	456	A12-S	E5-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_457	457	A12-S	E5-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_458	458	A12-S	E5-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_459	459	A12-S	E6-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_460	460	A12-S	E6-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_461	461	A12-S	F2-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_462	462	A12-S	F2-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_463	463	A12-S	F2-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_464	464	A12-S	F2-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_465	465	A12-S	F3-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_466	466	A12-S	F3-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_467	467	A12-S	F3-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_468	468	A12-S	F3-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_469	469	A12-S	F4-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_470	470	A12-S	F4-3	ND										Yes	Yes		CDM Smith	A. Coler

ATTACHMENT 1B. DATA SUMMARY OF STRUCTURE INFORMATION

DVC	Samp No	Analysis Method	Analysis ID	StructureID	Row Index	Grid	Grid Opening	Structure Type	Primary	Total	Length	Width	AR	Mineral Class	Mineral Desc	EDXA Observation	Structure Identification	Chrysotile Count	Low Mag	Structure Comment	Verifier's Company	Verifier's Name
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_471	471	A12-S	F4-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_472	472	A12-S	F4-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_473	473	A12-S	F5-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_474	474	A12-S	F5-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_475	475	A12-S	F5-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_476	476	A12-S	F5-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_477	477	A12-S	F6-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_478	478	A12-S	F6-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_479	479	A12-S	G2-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_480	480	A12-S	G2-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_481	481	A12-S	G2-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_482	482	A12-S	G2-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_483	483	A12-S	G3-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_484	484	A12-S	G3-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_485	485	A12-S	G3-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_486	486	A12-S	G3-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_487	487	A12-S	G4-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_488	488	A12-S	G4-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_489	489	A12-S	G4-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_490	490	A12-S	G4-6	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_491	491	A12-S	G5-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_492	492	A12-S	G5-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_493	493	A12-S	G5-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_494	494	A12-S	G5-6	F	0	0	7	2	3.5	NAM	PY	XK	NAM	Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_495	495	A12-S	G6-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_496	496	A12-S	G6-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_497	497	A12-S	H4-1	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_498	498	A12-S	H4-3	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_499	499	A12-S	H4-4	ND										Yes	Yes		CDM Smith	A. Coler
	3R-05246	TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO	A140122-05_Indirect-Ashed_NotQC_TEM-ISO_500	500	A12-S	H4-6	ND										Yes	Yes		CDM Smith	A. Coler

ATTACHMENT 2 – LABORATORY DOCUMENTATION FORMS

LIBBY

TEM Asbestos Structure Count_Air-DustEDD_37a

Laboratory ID:	EMSL27
Instrument ID	JEOL 100 CX II (27-2)
Voltage (KV)	100
Mag.	19,000 HIGH / LOW
Grid opening area (mm2)	0.013
Scale: 1L =	1
Scale: 1D =	1
Primary filter area (mm2)	385
Secondary Filter Area (mm2)	360
Category (Field, Blank)	Field
Primary filter pore size (um)	0.2

EPA Sample Number:	3R-05242	Tag:	AL1
Matrix (A=Air, D=Dust, DF = Dustfall):	A		
Air volume (L), dust area (cm2), or dustfall container area (cm2)	1233		
Date received by lab	7/19/2012		
Lab Job Number:	271200595		
Lab Sample Number:	271200595-0001		
Number of grids prepared	3		
Prepared by	R. Pescador		
Preparation date	7/20/2012		
EPA COC Number:	22499		
Secondary filter pore size (um)	0.8		

Analyzed by:	E.Wyatt-Pescador
Analysis date	7/24/2012
Method (D=Direct, I=Indirect, IA=Indirect-ashed)	IA
If sample type = air, is there loose material or debris in the cowl? (Yes, No)	No
Analysis Method (TEM-ISO, TEM-AHERA, TEM-ASTM)	TEM-AHERA
Grid storage location	2712-LIB-78
Archive filter(s) storage location	ESAT Archive
Lab QC Type (Not QC, Recount Same, Recount Different, Re-prep, Verified Analysis, Reconciliation, Lab Blank, Interlab)	Not QC
Estimated Particulate Loading (%)	10

F-Factor Calculation (Indirect Preps Only):

Enter data in appropriate cells provided to the right----->

Recording Rules:

Minimum Aspect Ratio (circle one): none ≥ 3:1 ≥ 5:1

Minimum Length (um): 0.5

Minimum Width (um): none

Stopping Rules:

Target Sensitivity: 0.005

Max Area Examined: 0.1

Target # of Structures: 50

Grid	Grid Opening	Structure Type	No. of Structures		Dimensions		Identification	Mineral Class (see below)				Mineral Desc	EDXA	Sketch/ Comments	1 = yes, blank = no			CH Not Counted
			Primary	Total	Length	Width		LA	OA	CH	NAM				Sketch	Photo	EDS	
D1	G5	ND																
	G3	ND																
	G1	ND																
	E5	ND																
	E3	ND																
	E1	ND																
D2	D5	ND																
	D7	ND																
	D9	ND																
	G9	ND																

F-factor Calculation:

Indirect Prep Inputs

0.5	Fraction of primary filter used for indirect prep or ashing *[for dust and dustfall, enter 1.0]*
100	First resuspension volume or rinsate volume (mL)
50	Volume applied to secondary filter (mL) or used for serial dilution

Inputs for Serial Dilutions

	Second resuspension volume (mL)
	Volume applied to secondary filter (mL) or used for serial dilution
	Third resuspension volume (mL)
	Volume applied to secondary filter (mL)

Input for Ashing of Secondary Filter

	Fraction of secondary filter used for ashing

LA = Libby-type amphibole OA = Other (non-Libby type) amphibole CH = Chrysotile NAM = Non-asbestos material

43

Grid opening traverse direction (circle one): H Horizontal V Vertical

Are prepped grids acceptable for analysis? (circle one) Yes No

If No, explain:

Ø/1Ø

V (nn) 5% DVC

0/10

AC

LIBBY
TEM Asbestos Structure Count_Air-DustEDD_37a

Laboratory ID:	EMSL27
Instrument ID	JEOL 100 CX II (27-2)
Voltage (KV)	100
Mag.	19,000 HIGH / LOW
Grid opening area (mm2)	0.013
Scale: 1L =	1
Scale: 1D =	1
Primary filter area (mm2)	385
Secondary Filter Area (mm2)	360
Category (Field, Blank)	Field
Primary filter pore size (um)	0.2

EPA Sample Number:	3R-05243	Tag:	AL1
Matrix (A=Air, D=Dust, DF = Dustfall):		A	
Air volume (L), dust area (cm2), or dustfall container area (cm2)		1233	
Date received by lab		7/19/2012	
Lab Job Number:		271200595	
Lab Sample Number:		271200595-0002	
Number of grids prepared		3	
Prepared by		R. Pescador	
Preparation date		7/20/2012	
EPA COC Number:		22499	
Secondary filter pore size (um)		0.8	

Analyzed by:	E.Wyatt-Pescador
Analysis date	7/24/2012
Method (D=Direct, I=Indirect, IA=Indirect-ashed)	IA
If sample type = air, is there loose material or debris in the cowl? (Yes, No)	No
Analysis Method (TEM-ISO, TEM-AHERA, TEM-ASTM)	TEM-AHERA
Grid storage location	2712-LIB-78
Archive filter(s) storage location	ESAT Archive
Lab QC Type (Not QC, Recount Same, Recount Different, Re-prep, Verified Analysis, Reconciliation, Lab Blank, Interlab)	Not QC
Estimated Particulate Loading (%)	10

F-Factor Calculation (Indirect Preps Only):

Enter data in appropriate cells provided to the right----->

Recording Rules:

Minimum Aspect Ratio (circle one): none ≥ 3:1 ≥ 5:1

Minimum Length (um):	0.5
Minimum Width (um):	none

Stopping Rules:

Target Sensitivity:	0.005
Max Area Examined:	0.1
Target # of Structures:	50

Grid	Grid Opening	Structure Type	No. of Structures		Dimensions		Identification	Mineral Class (see below)				Mineral Desc	EDXA	Sketch/ Comments	1 = yes, blank = no			CH Not Counted
			Primary	Total	Length	Width		LA	OA	CH	NAM				Sketch	Photo	EDS	
D3	B2	ND																
	B4	ND																
	B6	ND																
	B8	ND																
	B10	ND																
D4	G9	ND																
	G7	ND																
	G5	ND																
	G3	ND																
	G1	ND																

F-factor Calculation:

Indirect Prep Inputs

0.5	Fraction of primary filter used for indirect prep or ashing *[For dust and dustfall, enter 1.0]*
100	First resuspension volume or rinsate volume (mL)
50	Volume applied to secondary filter (mL) or used for serial dilution

Inputs for Serial Dilutions

	Second resuspension volume (mL)
	Volume applied to secondary filter (mL) or used for serial dilution
	Third resuspension volume (mL)
	Volume applied to secondary filter (mL)

Input for Ashing of Secondary Filter

	Fraction of secondary filter used for ashing

LA = Libby-type amphibole OA = Other (non-Libby type) amphibole CH = Chrysotile NAM = Non-asbestos material

44

Grid opening traverse direction (circle one):
H Horizontal
V Vertical

8/10

Are prepped grids acceptable for analysis? (circle one) Yes No
If No, explain:

AC

LIBBY

TEM Asbestos Structure Count_Air-DustEDD_37a

Laboratory ID:	EMSL27
Instrument ID	JEOL 100 CX II (27-2)
Voltage (KV)	100
Mag.	19,000 HIGH LOW
Grid opening area (mm2)	0.013
Scale: 1L =	1
Scale: 1D =	1
Primary filter area (mm2)	385
Secondary Filter Area (mm2)	360
Category (Field, Blank)	Field
Primary filter pore size (um)	0.2

EPA Sample Number:	3R-05244	Tag:	AL1
Matrix (A=Air, D=Dust, DF = Dustfall):	A		
Air volume (L), dust area (cm2), or dustfall container area (cm2)	1233		
Date received by lab	7/19/2012		
Lab Job Number:	271200595		
Lab Sample Number:	271200595-0003		
Number of grids prepared	3		
Prepared by	R. Pescador		
Preparation date	7/20/2012		
EPA COC Number:	22499		
Secondary filter pore size (um)	0.8		

Analyzed by:	E.Wyatt-Pescador
Analysis date	7/24/2012
Method (D=Direct, I=Indirect, IA=Indirect-ashed)	IA
If sample type = air, is there loose material or debris in the cowl? (Yes, No)	No
Analysis Method (TEM-ISO, TEM-AHERA, TEM-ASTM)	TEM-AHERA
Grid storage location	2712-LIB-78
Archive filter(s) storage location	ESAT Archive
Lab QC Type (Not QC, Recount Same, Recount Different, Re-prep, Verified Analysis, Reconciliation, Lab Blank, Interlab)	Not QC
Estimated Particulate Loading (%)	15

F-Factor Calculation (Indirect Preps Only):

Enter data in appropriate cells provided to the right——>

Recording Rules:

Minimum Aspect Ratio (circle one): none ≥ 3:1 (≥ 5:1)

Minimum Length (um): 0.5

Minimum Width (um): none

Stopping Rules:

Target Sensitivity: 0.005

Max Area Examined: 0.1

Target # of Structures: 50

Grid	Grid Opening	Structure Type	No. of Structures		Dimensions		Identification	Mineral Class (see below)				Mineral Desc	EDXA	Sketch/ Comments	1 = yes, blank = no			CH Not Counted
			Primary	Total	Length	Width		LA	OA	CH	NAM				Sketch	Photo	EDS	
D5	H10	ND																
	H8	ND																
	H6	ND																
	H4	ND																
	H2	ND																
D6	E10	ND																
	E8	ND																
	E6	ND																
	E4	ND																
	E2	ND																

F-factor Calculation:

Indirect Prep Inputs

0.5	Fraction of primary filter used for indirect prep or ashing *[for dust and dustfall, enter 1.0]*
100	First resuspension volume or rinsate volume (mL)
50	Volume applied to secondary filter (mL) or used for serial dilution

Inputs for Serial Dilutions

	Second resuspension volume (mL)
	Volume applied to secondary filter (mL) or used for serial dilution
	Third resuspension volume (mL)
	Volume applied to secondary filter (mL)

Input for Ashing of Secondary Filter

	Fraction of secondary filter used for ashing

LA = Libby-type amphibole OA = Other (non-Libby type) amphibole CH = Chrysotile NAM = Non-asbestos material

Grid opening traverse direction (circle one):
H Horizontal
(V) Vertical

Are prepped grids acceptable for analysis? (circle one) (Yes) No

If No, explain:

0/10

AC

LIBBY

TEM Asbestos Structure Count_Air-DustEDD_37a

Laboratory ID:	EMSL27
Instrument ID	JEOL 100 CX II (27-2)
Voltage (KV)	100
Mag.	19,000 HIGH / LOW
Grid opening area (mm2)	0.013
Scale: 1L =	1
Scale: 1D =	1
Primary filter area (mm2)	385
Secondary Filter Area (mm2)	360
Category (Field, Blank)	Field
Primary filter pore size (um)	0.2

EPA Sample Number:	3R-05245	Tag:	AL1
Matrix (A=Air, D=Dust, DF = Dustfall):			A
Air volume (L), dust area (cm2), or dustfall container area (cm2)			1233
Date received by lab			7/19/2012
Lab Job Number:			271200595
Lab Sample Number:			271200595-0004
Number of grids prepared			3
Prepared by			R. Pescador
Preparation date			7/20/2012
EPA COC Number:			22499
Secondary filter pore size (um)			0.8

Analyzed by:	E.Wyatt-Pescador
Analysis date	7/24/2012
Method (D=Direct, I=Indirect, IA=Indirect-ashed)	IA
If sample type = air, is there loose material or debris in the cowl? (Yes, No)	No
Analysis Method (TEM-ISO, TEM-AHERA, TEM-ASTM)	TEM-AHERA
Grid storage location	2712-LIB-78
Archive filter(s) storage location	ESAT Archive
Lab QC Type (Not QC, Recount Same, Recount Different, Re-prep, Verified Analysis, Reconciliation, Lab Blank, Interlab)	Not QC
Estimated Particulate Loading (%)	25

F-Factor Calculation (Indirect Preps Only):

Enter data in appropriate cells provided to the right—>

Recording Rules:

Minimum Aspect Ratio (circle one): none ≥ 3:1 ≥ 5:1

Minimum Length (um):	0.5
Minimum Width (um):	none

Stopping Rules:

Target Sensitivity:	0.005
Max Area Examined:	0.1
Target # of Structures:	50

Grid	Grid Opening	Structure Type	No. of Structures		Dimensions		Identification	Mineral Class (see below)				Mineral Desc	EDXA	Sketch/ Comments	1 = yes, blank = no			CH Not Counted
			Primary	Total	Length	Width		LA	OA	CH	NAM				Sketch	Photo	EDS	
E1	F9	ND																
	F7	ND																
	F5	ND																
	F3	ND																
	F1	ND																
E2	I9	ND																
	I7	ND																
	I5	ND																
	I3	ND																
	I1	ND																

F-factor Calculation:

Indirect Prep Inputs

0.5	Fraction of primary filter used for indirect prep or ashing *[For dust and dustfall, enter 1.0]*
100	First resuspension volume or rinsate volume (mL)
50	Volume applied to secondary filter (mL) or used for serial dilution

Inputs for Serial Dilutions

	Second resuspension volume (mL)
	Volume applied to secondary filter (mL) or used for serial dilution
	Third resuspension volume (mL)
	Volume applied to secondary filter (mL)

Input for Ashing of Secondary Filter

	Fraction of secondary filter used for ashing

LA = Libby-type amphibole OA = Other (non-Libby type) amphibole CH = Chrysotile NAM = Non-asbestos material

Grid opening traverse direction (circle one):
H Horizontal
V Vertical

Are prepped grids acceptable for analysis? (circle one) Yes No
If No, explain:

AC

LIBBY

TEM Asbestos Structure Count_Air-DustEDD_37a

Laboratory ID:	EMSL27
Instrument ID	JEOL 100 CX II (27-2)
Voltage (KV)	100
Mag.	19,000 HIGH / LOW
Grid opening area (mm2)	0.013
Scale: 1L =	1
Scale: 1D =	1
Primary filter area (mm2)	385
Secondary Filter Area (mm2)	360
Category (Field, Blank)	Field
Primary filter pore size (um)	0.2

EPA Sample Number:	3R-05246	Tag:	AL1
Matrix (A=Air, D=Dust, DF = Dustfall):	A		
Air volume (L), dust area (cm2), or dustfall container area (cm2)	1233		
Date received by lab	7/19/2012		
Lab Job Number:	271200595		
Lab Sample Number:	271200595-0005		
Number of grids prepared	3		
Prepared by	R. Pescador		
Preparation date	7/20/2012		
EPA COC Number:	22499		
Secondary filter pore size (um)	0.8		

Analyzed by:	E.Wyatt-Pescador
Analysis date	7/24/2012
Method (D=Direct, I=Indirect, IA=Indirect-ashed)	IA
If sample type = air, is there loose material or debris in the cowl? (Yes, No)	No
Analysis Method (TEM-ISO, TEM-AHERA, TEM-ASTM)	TEM-AHERA
Grid storage location	2712-LIB-78
Archive filter(s) storage location	ESAT Archive
Lab QC Type (Not QC, Recount Same, Recount Different, Re-prep, Verified Analysis, Reconciliation, Lab Blank, Interlab)	Not QC
Estimated Particulate Loading (%)	20

F-Factor Calculation (Indirect Preps Only):

Enter data in appropriate cells provided to the right---->

Recording Rules:

Minimum Aspect Ratio (circle one):	none / ≥ 3:1 / ≥ 5:1
Minimum Length (um):	0.5
Minimum Width (um):	none

Stopping Rules:

Target Sensitivity:	0.005
Max Area Examined:	0.1
Target # of Structures:	50

Grid	Grid Opening	Structure Type	No. of Structures		Dimensions		Identification	Mineral Class (see below)				Mineral Desc	EDXA	Sketch/ Comments	1 = yes, blank = no			CH Not Counted
			Primary	Total	Length	Width		LA	OA	CH	NAM				Sketch	Photo	EDS	
E3	G9	ND																
	G7	ND																
	G5	ND																
	G3	ND																
	G1	ND																
E4	D9	ND																
	D7	ND																
	D5	ND																
	D3	ND																
	D1	ND																

F-factor Calculation:

Indirect Prep Inputs

0.5	Fraction of primary filter used for indirect prep or ashing *[For dust and dustfall, enter 1.0]*
100	First resuspension volume or rinsate volume (mL)
50	Volume applied to secondary filter (mL) or used for serial dilution

Inputs for Serial Dilutions

	Second resuspension volume (mL)
	Volume applied to secondary filter (mL) or used for serial dilution
	Third resuspension volume (mL)
	Volume applied to secondary filter (mL)

Input for Ashing of Secondary Filter

	Fraction of secondary filter used for ashing

LA = Libby-type amphibole OA = Other (non-Libby type) amphibole CH = Chrysotile NAM = Non-asbestos material

Grid opening traverse direction (circle one):

H Horizontal

V Vertical

0/10

Are prepped grids acceptable for analysis? (circle one) Yes No

If No, explain:

ACV

TEM ASBESTOS STRUCTURE COUNT BENCH SHEET

Laboratory Name	ESATR8
Site or Project Name	Libby 08BC
Client	USEPA Region 8
Chain of Custody Number	22499
Lab Job Number	A140122
Lab Sample ID	A140122-01
Client Sample Number	3R-05242
Tag	AL1
Lab Receipt Date	05/20/2014
Analysis Method	TEM-ISO
Sample Matrix	Air
Sample Type (field, blank, etc.)	Field Sample
QC Type	Not QC
Analysis Status	Analyzed
Prepared By	R. Pescador/EMSL27
Preparation Date	07/20/2012
Volume (L) or Area (cm²)	1233
Lab Comments	Grid Prep by N. DelHierro on 05/29/14
Grid Prep Acceptable? Y or N (explain)	

Circle Prep Type: Direct Indirect Indirect-Ashed	
Loose Material in cowl?	Y N
Est. Filter Particulate Loading (%)	8
Instrument	JEOL JEM-1011 (C24)
Voltage (kV)	100
Magnification (X)	5,000
Primary Filter Area (mm²)	385
Primary Filter Pore Size (µm)	0.8
Sec Filter Area (mm²)	360
Sec Filter Pore Size (µm)	0.2
Grid Opening Area (mm²)	0.0099
Number of Grids Prepared	6
Archive Filter(s) Location	ESATR8
Grid Storage Location	ESATR8
Grid Box	A56
Grid Slots	A1-5, B1-5, C1-5, A2-5, B2-5, A3-5
Filter Type	MCE

Minimum Aspect Ratio	3:1
Minimum Length (µm)	>5
Minimum Width (µm)	0.25
Max # LA Structures	25
Max # Grid Openings	500
Target Analytical Sensitivity	----
# of GO's to Reach Target AS	----
GO Traverse Direction (V or H)	H
GO Orientation (Sketch letter F)	F,F,F,F,F

F-Factor Calculation (if applicable)

Indirect Fraction Primary Filter	1/2
Analysis Aliquot 1 (mL)	~~100~~ 50
Analysis Volume 1 (ml)	~~50~~ 100
Indirect Fraction Secondary Filter	
Analysis Aliquot 2 (mL)	
Analysis Volume 2 (mL)	
Analysis Aliquot 3 (mL)	
Analysis Volume 3 (mL)	
F-Factor	0.25

JB 05/30

GO #	Grid	Grid Opening	Structure Type (ND, F, B, CD, CB, CF, MD, etc.)	Number of Structures		Structure Dimensions (µm)		ID Method (ADX, CD, NAM, etc.)	Mineral Class (check one)				Sketch/ Comments	EDXA Observation (NaK,	Mineral ID (WRTA, AC, TR, AT, AM, AN, CH, CR, PY, OT, UN)	Record number of spectrum or photo if taken		Check if GO not analyzed for Chrysotile
				Primary	Total	Length	Width		LA	OA	CH	NAM				EDXA (spectrum saved)	Photo	
1	A1-5	B3-4	ND															
		B3-3																
		B3-6																
		B4-1																
		B4-4																

5

Analyst: D. Kort

3/500

AC

Date: 05/29/14

TEM ASBESTOS STRUCTURE COUNT BENCH SHEET

Lab Job Number: A140122 Client Sample Number: 3R-05242 Lab Sample ID: A140122-01

GO #	Grid	Grid Opening	Structure Type (ND, F, B, CD, CB, CF, MD, etc.)	Number of Structures		Structure Dimensions (µm)		ID Method (ADX, CD, NAM, etc.)	Mineral Class (check one)				Sketch/ Comments	EDXA Observation (NaK,	Mineral ID (WRTA, AC, TR, AT, AM, AN, CH, CR, PY, OT, UN)	Record number of spectrum or photo if taken		Check if GO not analyzed for Chrysotile
				Primary	Total	Length	Width		LA	OA	CH	NAM				EDXA (spectrum saved)	Photo	
6	A1-S	B4-6	ND															
		B5-1																
		B5-3																
		B5-4																
		B5-6																
		B6-4																
		C2-3																
		C2-6																
		C3-1																
		C3-3																
		C3-4																
		C3-6																
		C4-1																
		C4-3																
20		C4-4																

15

Analyst: D. Kent

Date: 05/29/14

TEM ASBESTOS STRUCTURE COUNT BENCH SHEET

Lab Job Number: A140122 Client Sample Number: 3R-05242 Lab Sample ID: A140122-01

GO #	Grid	Grid Opening	Structure Type (ND, F, B, CD, CB, CF, MD, etc.)	Number of Structures		Structure Dimensions (µm)		ID Method (ADX, CD, NAM, etc.)	Mineral Class (check one)				Sketch/ Comments	EDXA Observation (NaK,	Mineral ID (WRTA, AC, TR, AT, AM, AN, CH, CR, PY, OT, UN)	Record number of spectrum or photo if taken		Check if GO not analyzed for Chrysotile
				Primary	Total	Length	Width		LA	OA	CH	NAM				EDXA (spectrum saved)	Photo	
	A1-5	C4-6	ND															
		C5-1																
		C5-3																
		C5-4																
		C5-6																
		C6-1																
		C6-4																
		E2-3																
		E2-6																
		E3-1																
		E3-3																
		E3-4																
		E3-6																
		E4-1																
35		E4-3																

15 Analyst: D. Kent

Date: 05/29/14

TEM ASBESTOS STRUCTURE COUNT BENCH SHEET

Lab Job Number: A140122 Client Sample Number: 3R-05242 Lab Sample ID: A140122-01

GO #	Grid	Grid Opening	Structure Type (ND, F, B, CD, CB, CF, MD, etc.)	Number of Structures		Structure Dimensions (µm)		ID Method (ADX, CD, NAM, etc.)	Mineral Class (check one)				Sketch/ Comments	EDXA Observation (NaK,	Mineral ID (WRTA, AC, TR, AT, AM, AN, CH, CR, PY, OT, UN)	Record number of spectrum or photo if taken		Check if GO not analyzed for Chrysotile
				Primary	Total	Length	Width		LA	OA	CH	NAM				EDXA (spectrum saved)	Photo	
	A1-5	E4-4	ND															
		E4-6																
		E5-1																
		E5-3																
		E5-4																
		E5-6																
		E6-1																
		E6-3																
		E6-4																
		E6-6																
		F2-3																
		F2-6																
		F3-1																
		F3-3																
50		F3-4																

15

Analyst: D Kent

Date: 05/29/14

TEM ASBESTOS STRUCTURE COUNT BENCH SHEET

Lab Job Number: A140122 Client Sample Number: 3R-05242 Lab Sample ID: A140122-01

GO #	Grid	Grid Opening	Structure Type (ND, F, B, CD, CB, CF, MD, etc.)	Number of Structures		Structure Dimensions (µm)		ID Method (ADX, CD, NAM, etc.)	Mineral Class (check one)				Sketch/ Comments	EDXA Observation (NaK,	Mineral ID (WRTA, AC, TR, AT, AM, AN, CH, CR, PY, OT, UN)	Record number of spectrum or photo if taken		Check if GO not analyzed for Chrysotile
				Primary	Total	Length	Width		LA	OA	CH	NAM				EDXA (spectrum saved)	Photo	
	A1-5	F3-6	ND															
		F4-1																
		F4-3																
		F4-4																
		F4-6																
		F5-1																
		F5-3																
		F5-4																
		F5-6																
		F6-1																
		F6-3																
		F6-4																
		F6-6																
		G2-3																
65		G2-6																

15

Analyst: D. Kent

Date: 05/29/14

TEM ASBESTOS STRUCTURE COUNT BENCH SHEET

Lab Job Number: A140122 Client Sample Number: 3R-05242 Lab Sample ID: A140122-01

GO #	Grid	Grid Opening	Structure Type (ND, F, B, CD, CB, CF, MD, etc.)	Number of Structures		Structure Dimensions (µm)		ID Method (ADX, CD, NAM, etc.)	Mineral Class (check one)				Sketch/ Comments	EDXA Observation (NaK,	Mineral ID (WRTA, AC, TR, AT, AM, AN, CH, CR, PY, OT, UN)	Record number of spectrum or photo if taken		Check if GO not analyzed for Chrysotile
				Primary	Total	Length	Width		LA	OA	CH	NAM				EDXA (spectrum saved)	Photo	
	A1-5	G3-1	ND															
		G3-3																
		G3-4																
		G3-6																
		G4-1																
		G4-3																
		G4-4																
		G4-6																
		G5-1																
		G5-3																
		G5-4																
		G6-1																
		G6-3																
		H2-3																
80		H2-6																

Analyst: D. Kent

Date: 05/29/14

TEM ASBESTOS STRUCTURE COUNT BENCH SHEET

Lab Job Number: A140122 Client Sample Number: 3R-05242 Lab Sample ID: A140122-01

GO #	Grid	Grid Opening	Structure Type (ND, F, B, CD, CB, CF, MD, etc.)	Number of Structures		Structure Dimensions (µm)		ID Method (ADX, CD, NAM, etc.)	Mineral Class (check one)				Sketch/ Comments	EDXA Observation (NaK,	Mineral ID (WRTA, AC, TR, AT, AM, AN, CH, CR, PY, OT, UN)	Record number of spectrum or photo if taken		Check if GO not analyzed for Chrysotile
				Primary	Total	Length	Width		LA	OA	CH	NAM				EDXA (spectrum saved)	Photo	
	A1-5	H3-1	ND															
		H3-3																
		H3-4																
		H3-6																
		H4-1																
		H4-3																
		H4-4																
		H4-6																
		H5-1																
		H5-3																
		H5-4																
		H5-6																
		H6-1																
		H6-4																
95		K3-1																

15

Analyst: D. Kent

Date: 05/29/14

TEM ASBESTOS STRUCTURE COUNT BENCH SHEET

Lab Job Number: A140122 Client Sample Number: 3R-05242 Lab Sample ID: A140122-01

GO #	Grid	Grid Opening	Structure Type (ND, F, B, CD, CB, CF, MD, etc.)	Number of Structures		Structure Dimensions (µm)		ID Method (ADX, CD, NAM, etc.)	Mineral Class (check one)				Sketch/ Comments	EDXA Observation (NaK,	Mineral ID (WRTA, AC, TR, AT, AM, AN, CH, CR, PY, OT, UN)	Record number of spectrum or photo if taken		Check if GO not analyzed for Chrysotile
				Primary	Total	Length	Width		LA	OA	CH	NAM				EDXA (spectrum saved)	Photo	
	A1-5	K3-3	ND															
		K3-6																
		K4-1																
		K4-3																
		K4-4																
		K4-6																
		K5-1																
		K5-3																
		K5-4																
	B1-5	B2-6	ND															
		B3-1																
		B3-4																
		B3-6																
		B4-1																
		B4-3																

15

Analyst: D. Kent

Date: 05/29/14

TEM ASBESTOS STRUCTURE COUNT BENCH SHEET

Lab Job Number: A140122 Client Sample Number: 3R-05242 Lab Sample ID: A140122-01

GO #	Grid	Grid Opening	Structure Type (ND, F, B, CD, CB, CF, MD, etc.)	Number of Structures		Structure Dimensions (µm)		ID Method (ADX, CD, NAM, etc.)	Mineral Class (check one)				Sketch/ Comments	EDXA Observation (NaK,	Mineral ID (WRTA, AC, TR, AT, AM, AN, CH, CR, PY, OT, UN)	Record number of spectrum or photo if taken		Check if GO not analyzed for Chrysotile
				Primary	Total	Length	Width		LA	OA	CH	NAM				EDXA (spectrum saved)	Photo	
	B1-5	B4-4	ND															
		B4-6																
		B5-1																
		B5-4																
		B5-6																
		C2-3																
		C2-4																
		C2-6																
		C3-1																
		C3-3																
		C3-4																
		C3-6																
		C4-1																
		C4-3																
125		C4-4																

15

Analyst: D. Kent

Date: 05/29/14

TEM ASBESTOS STRUCTURE COUNT BENCH SHEET

Lab Job Number: A140122 Client Sample Number: 3R-05242 Lab Sample ID: A140122-01

GO #	Grid	Grid Opening	Structure Type (ND, F, B, CD, CB, CF, MD, etc.)	Number of Structures		Structure Dimensions (µm)		ID Method (ADX, CD, NAM, etc.)	Mineral Class (check one)				Sketch/ Comments	EDXA Observation (NaK,	Mineral ID (WRTA, AC, TR, AT, AM, AN, CH, CR, PY, OT, UN)	Record number of spectrum or photo if taken		Check if GO not analyzed for Chrysotile
				Primary	Total	Length	Width		LA	OA	CH	NAM				EDXA (spectrum saved)	Photo	
	B1-5	C4-6	ND															
		C5-1																
		C5-3																
		C5-4																
		C5-6																
		C6-4																
		E1-6																
		E2-1																
		E2-3																
		E2-4																
		E2-6																
		E3-1																
		E3-3																
		E3-4																
		E3-6																

15

Analyst: D. Kent

Date: 05/29/14

TEM ASBESTOS STRUCTURE COUNT BENCH SHEET

Lab Job Number: A140122 Client Sample Number: 3R-05242 Lab Sample ID: A140122-01

GO #	Grid	Grid Opening	Structure Type (ND, F, B, CD, CB, CF, MD, etc.)	Number of Structures		Structure Dimensions (µm)		ID Method (ADX, CD, NAM, etc.)	Mineral Class (check one)				Sketch/ Comments	EDXA Observation (NaK,	Mineral ID (WRTA, AC, TR, AT, AM, AN, CH, CR, PY, OT, UN)	Record number of spectrum or photo if taken		Check if GO not analyzed for Chrysotile
				Primary	Total	Length	Width		LA	OA	CH	NAM				EDXA (spectrum saved)	Photo	
	B1-5	E4-1	ND															
		E4-3																
		E4-4																
		E4-6																
		E5-1																
		E5-3																
		E5-4																
		E5-6																
		E6-1																
		E6-4																
		F1-3																
		F1-6																
		F2-3																
		F3-1																
155		F3-3																

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Analyst: D. Kent

Date: 05/29/14

TEM ASBESTOS STRUCTURE COUNT BENCH SHEET

Lab Job Number: A140122 Client Sample Number: 3R-05242 Lab Sample ID: A140122-01

GO #	Grid	Grid Opening	Structure Type (ND, F, B, CD, CB, CF, MD, etc.)	Number of Structures		Structure Dimensions (µm)		ID Method (ADX, CD, NAM, etc.)	Mineral Class (check one)				Sketch/ Comments	EDXA Observation (NaK,	Mineral ID (WRTA, AC, TR, AT, AM, AN, CH, CR, PY, OT, UN)	Record number of spectrum or photo if taken		Check if GO not analyzed for Chrysotile
				Primary	Total	Length	Width		LA	OA	CH	NAM				EDXA (spectrum saved)	Photo	
	B1-5	F3-4	ND															
		F3-6																
		F4-1																
		F4-3																
		F4-4																
		F4-6																
		F5-1																
		F5-3																
		F5-4																
		F5-6																
		F6-1																
		F6-4																
		G2-1																
		G2-3																
		G2-4																

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Analyst: D. Kent

Date: 05/29/14

TEM ASBESTOS STRUCTURE COUNT BENCH SHEET

Lab Job Number: A140122 Client Sample Number: 3R-05242 Lab Sample ID: A140122-01

GO #	Grid	Grid Opening	Structure Type (ND, F, B, CD, CB, CF, MD, etc.)	Number of Structures		Structure Dimensions (µm)		ID Method (ADX, CD, NAM, etc.)	Mineral Class (check one)				Sketch/ Comments	EDXA Observation (NaK,	Mineral ID (WRTA, AC, TR, AT, AM, AN, CH, CR, PY, OT, UN)	Record number of spectrum or photo if taken		Check if GO not analyzed for Chrysotile
				Primary	Total	Length	Width		LA	OA	CH	NAM				EDXA (spectrum saved)	Photo	
	B1-5	G2-6	ND															
		G3-1																
		G3-3																
		G3-4																
		G3-6																
		G4-1																
		G4-3																
		G4-4																
		G4-6																
		G5-1																
		G5-3																
		G5-4																
		G5-6																
		G6-1																
185		G6-4																

15

Analyst: D. Kent

Date: 05/29/14

TEM ASBESTOS STRUCTURE COUNT BENCH SHEET

Lab Job Number: A140122 Client Sample Number: 3R-05242 Lab Sample ID: A140122-01

GO #	Grid	Grid Opening	Structure Type (ND, F, B, CD, CB, CF, MD, etc.)	Number of Structures		Structure Dimensions (µm)		ID Method (ADX, CD, NAM, etc.)	Mineral Class (check one)				Sketch/ Comments	EDXA Observation (NaK,	Mineral ID (WRTA, AC, TR, AT, AM, AN, CH, CR, PY, OT, UN)	Record number of spectrum or photo if taken		Check if GO not analyzed for Chrysotile
				Primary	Total	Length	Width		LA	OA	CH	NAM				EDXA (spectrum saved)	Photo	
	B1-5	H2-1	ND															
		H2-3																
		H2-6																
		H3-1																
		H3-3																
		H3-4																
		H3-6																
		H4-1																
		H4-3																
		H4-4																
		H4-6																
		H5-1																
		H5-3																
		H5-4																
		H5-6																

15

Analyst: D. Kent

Date: 05/29/14

TEM ASBESTOS STRUCTURE COUNT BENCH SHEET

Lab Job Number: A140122 Client Sample Number: 3R-05242 Lab Sample ID: A140122-01

GO #	Grid	Grid Opening	Structure Type (ND, F, B, CD, CB, CF, MD, etc.)	Number of Structures		Structure Dimensions (µm)		ID Method (ADX, CD, NAM, etc.)	Mineral Class (check one)				Sketch/ Comments	EDXA Observation (NaK,	Mineral ID (WRTA, AC, TR, AT, AM, AN, CH, CR, PY, OT, UN)	Record number of spectrum or photo if taken		Check if GO not analyzed for Chrysotile
				Primary	Total	Length	Width		LA	OA	CH	NAM				EDXA (spectrum saved)	Photo	
	B1-5	H6-1	ND															
		K3-1																
		K3-3																
		K3-6	F	1	1	5.6	0.3	ADX	X					XK	WRTA	1-WRTA	147	
		K4-1	ND															
		K4-3																
		K4-4																
		K4-6																
		K5-1	ND															
	C1-5	B3-3	ND															
		B3-4																
		B3-6																
		B4-1																
		B4-3																
215		B4-4																

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Analyst: D. Kent

Date: 05/29/14

TEM ASBESTOS STRUCTURE COUNT BENCH SHEET

Lab Job Number: A140122 Client Sample Number: 3R-05242 Lab Sample ID: A140122-01

GO #	Grid	Grid Opening	Structure Type (ND, F, B, CD, CB, CF, MD, etc.)	Number of Structures		Structure Dimensions (µm)		ID Method (ADX, CD, NAM, etc.)	Mineral Class (check one)				Sketch/ Comments	EDXA Observation (NaK,	Mineral ID (WRTA, AC, TR, AT, AM, AN, CH, CR, PY, OT, UN)	Record number of spectrum or photo if taken		Check if GO not analyzed for Chrysotile
				Primary	Total	Length	Width		LA	OA	CH	NAM				EDXA (spectrum saved)	Photo	
	C1-5	B4-6	ND															
		B5-1																
		B5-4																
		C2-3																
		C2-6																
		C3-1																
		C3-3																
		C3-4																
		C3-6																
		C4-1																
		C4-3																
		C4-4																
		C4-6																
		C5-1																
15 230		C5-3																

Analyst: D. Kent

Date: 05/29/14

TEM ASBESTOS STRUCTURE COUNT BENCH SHEET

Lab Job Number: A140122 Client Sample Number: 3R-05242 Lab Sample ID: A140122-01

GO #	Grid	Grid Opening	Structure Type (ND, F, B, CD, CB, CF, MD, etc.)	Number of Structures		Structure Dimensions (µm)		ID Method (ADX, CD, NAM, etc.)	Mineral Class (check one)				Sketch/ Comments	EDXA Observation (NaK,	Mineral ID (WRTA, AC, TR, AT, AM, AN, CH, CR, PY, OT, UN)	Record number of spectrum or photo if taken		Check if GO not analyzed for Chrysotile
				Primary	Total	Length	Width		LA	OA	CH	NAM				EDXA (spectrum saved)	Photo	
	C1-5	C5-4	ND															
		C5-6																
233		C6-4																
		E2-1	ND															
		E2-3																
		E2-4																
		E2-6																
		E3-1																
		E3-3																
240		E3-4																
		E3-6																
		E4-1																
		E4-3																
		E4-4																
245		E4-6																

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Analyst: D. Kent

Date: 05/29/14

TEM ASBESTOS STRUCTURE COUNT BENCH SHEET

Lab Job Number: A140122 Client Sample Number: 3R-05242 Lab Sample ID: A140122-01

GO #	Grid	Grid Opening	Structure Type (ND, F, B, CD, CB, CF, MD, etc.)	Number of Structures		Structure Dimensions (µm)		ID Method (ADX, CD, NAM, etc.)	Mineral Class (check one)				Sketch/ Comments	EDXA Observation (NaK,	Mineral ID (WRTA, AC, TR, AT, AM, AN, CH, CR, PY, OT, UN)	Record number of spectrum or photo if taken		Check if GO not analyzed for Chrysotile
				Primary	Total	Length	Width		LA	OA	CH	NAM				EDXA (spectrum saved)	Photo	
	C1-5	E5-1	ND															
		E5-3																
		E5-4																
		E5-6																
		E6-1																
		E6-4																
		F2-1																
		F2-3																
		F2-4	F	2	2	11.5	0.4	ADX	X					NaK	WRTA	2-WRTA	148	
		F2-6	ND															
		F3-1	F	3	3	5.5	0.5	ADX	X					XK	WRTA	3-WRTA		
		F3-3	ND															
		F3-4																
		F3-6																
		F4-1																

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Analyst: D. Kent

Date: 05/30/14

TEM ASBESTOS STRUCTURE COUNT BENCH SHEET

Lab Job Number: A140122

Client Sample Number: 3R-05242

Lab Sample ID: A140122-01

GO #	Grid	Grid Opening	Structure Type (ND, F, B, CD, CB, CF, MD, etc.)	Number of Structures		Structure Dimensions (µm)		ID Method (ADX, CD, NAM, etc.)	Mineral Class (check one)				Sketch/ Comments	EDXA Observation (NaK,	Mineral ID (WRTA, AC, TR, AT, AM, AN, CH, CR, PY, OT, UN)	Record number of spectrum or photo if taken		Check if GO not analyzed for Chrysotile
				Primary	Total	Length	Width		LA	OA	CH	NAM				EDXA (spectrum saved)	Photo	
	C1-5	F4-3	ND															
		F4-4																
		F4-6																
		F5-1																
		F5-3																
		F5-4																
		F5-6																
		F6-1																
		F6-4																
		G2-1																
		G2-3																
		G2-4																
		G2-6																
		G3-1																
275		G3-3																

15

Analyst: D. Kent

Date: 05/30/14

TEM ASBESTOS STRUCTURE COUNT BENCH SHEET

Lab Job Number: A140122 Client Sample Number: 3R-05242 Lab Sample ID: A140122-01

GO #	Grid	Grid Opening	Structure Type (ND, F, B, CD, CB, CF, MD, etc.)	Number of Structures		Structure Dimensions (µm)		ID Method (ADX, CD, NAM, etc.)	Mineral Class (check one)				Sketch/ Comments	EDXA Observation (NaK,	Mineral ID (WRTA, AC, TR, AT, AM, AN, CH, CR, PY, OT, UN)	Record number of spectrum or photo if taken		Check if GO not analyzed for Chrysotile
				Primary	Total	Length	Width		LA	OA	CH	NAM				EDXA (spectrum saved)	Photo	
	C1-5	G3-4	ND															
		G3-6																
		G4-1																
		G4-3																
		G4-4																
		G4-6																
		G5-1																
		G5-3																
		G5-4																
		G5-6																
		G6-1																
		G6-4																
		H2-1																
		H2-3																
290		H2-6																

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Analyst: D. Kent

Date: 05/30/14

TEM ASBESTOS STRUCTURE COUNT BENCH SHEET

Lab Job Number: A140122 Client Sample Number: 3R-05242 Lab Sample ID: A140122-01

GO #	Grid	Grid Opening	Structure Type (ND, F, B, CD, CB, CF, MD, etc.)	Number of Structures		Structure Dimensions (µm)		ID Method (ADX, CD, NAM, etc.)	Mineral Class (check one)				Sketch/ Comments	EDXA Observation (NaK,	Mineral ID (WRTA, AC, TR, AT, AM, AN, CH, CR, PY, OT, UN)	Record number of spectrum or photo if taken		Check if GO not analyzed for Chrysotile
				Primary	Total	Length	Width		LA	OA	CH	NAM				EDXA (spectrum saved)	Photo	
	C1-5	H3-1	ND															
		H3-3																
		H3-4																
		H3-6																
		H4-1																
		H4-3																
		H4-4																
		H4-6																
		H5-1																
		H5-3																
		H5-4																
		H5-6																
		H6-1																
		H6-4																
		K2-3																

15

Analyst: D. Kent

Date: 05/30/14

TEM ASBESTOS STRUCTURE COUNT BENCH SHEET

Lab Job Number: A140122 Client Sample Number: 3R-05242 Lab Sample ID: A140122-01

GO #	Grid	Grid Opening	Structure Type (ND, F, B, CD, CB, CF, MD, etc.)	Number of Structures		Structure Dimensions (µm)		ID Method (ADX, CD, NAM, etc.)	Mineral Class (check one)				Sketch/ Comments	EDXA Observation (NaK,	Mineral ID (WRTA, AC, TR, AT, AM, AN, CH, CR, PY, OT, UN)	Record number of spectrum or photo if taken		Check if GO not analyzed for Chrysotile
				Primary	Total	Length	Width		LA	OA	CH	NAM				EDXA (spectrum saved)	Photo	
	C1-5	K3-1	ND															
		K3-3																
		K3-4																
		K3-6																
		K4-1																
		K4-3																
		K4-4																
DK 5/30/14		K4-6																
	A2-5	~~A2~~ B2-3	ND															
		B2-6																
		B3-3																
		B3-6																
		B4-1																
		B4-3																
15 320		B4-4																

Analyst: D. Kent

Date: 05/30/14

TEM ASBESTOS STRUCTURE COUNT BENCH SHEET

Lab Job Number: A140122 Client Sample Number: 3R-05242 Lab Sample ID: A140122-01

GO #	Grid	Grid Opening	Structure Type (ND, F, B, CD, CB, CF, MD, etc.)	Number of Structures		Structure Dimensions (µm)		ID Method (ADX, CD, NAM, etc.)	Mineral Class (check one)				Sketch/ Comments	EDXA Observation (NaK,	Mineral ID (WRTA, AC, TR, AT, AM, AN, CH, CR, PY, OT, UN)	Record number of spectrum or photo if taken		Check if GO not analyzed for Chrysotile
				Primary	Total	Length	Width		LA	OA	CH	NAM				EDXA (spectrum saved)	Photo	
	A2-5	B4-6	ND															
		B5-1																
		B5-3																
		B5-4																
		B5-6																
		A4-4																
		A4-6																
		C2-1																
		C2-3																
		C2-4																
		C2-6																
		C3-1																
		C3-3																
		C3-4																
		C3-6																

15

Analyst: D. Kent

Date: 05/30/14

TEM ASBESTOS STRUCTURE COUNT BENCH SHEET

Lab Job Number: A140122 Client Sample Number: 3R-05242 Lab Sample ID: A140122-01

GO #	Grid	Grid Opening	Structure Type (ND, F, B, CD, CB, CF, MD, etc.)	Number of Structures		Structure Dimensions (µm)		ID Method (ADX, CD, NAM, etc.)	Mineral Class (check one)				Sketch/ Comments	EDXA Observation (NaK,	Mineral ID (WRTA, AC, TR, AT, AM, AN, CH, CR, PY, OT, UN)	Record number of spectrum or photo if taken		Check if GO not analyzed for Chrysotile
				Primary	Total	Length	Width		LA	OA	CH	NAM				EDXA (spectrum saved)	Photo	
	A2-5	C4-1	ND															
		C4-3																
		C4-4																
		C4-6																
		C5-1																
		C5-3																
		C5-4																
		C5-6																
		C6-1																
		C6-4																
		E2-1																
		E2-3																
		E2-4																
		E2-6																
350		E3-3																

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Analyst: D. Kent

Date: 05/30/14

TEM ASBESTOS STRUCTURE COUNT BENCH SHEET

Lab Job Number: A140122 Client Sample Number: 3R-05242 Lab Sample ID: A140122-01

GO #	Grid	Grid Opening	Structure Type (ND, F, B, CD, CB, CF, MD, etc.)	Number of Structures		Structure Dimensions (µm)		ID Method (ADX, CD, NAM, etc.)	Mineral Class (check one)				Sketch/ Comments	EDXA Observation (NaK,	Mineral ID (WRTA, AC, TR, AT, AM, AN, CH, CR, PY, OT, UN)	Record number of spectrum or photo if taken		Check if GO not analyzed for Chrysotile
				Primary	Total	Length	Width		LA	OA	CH	NAM				EDXA (spectrum saved)	Photo	
	A2-5	E3-4	ND															
		E3-6																
		E4-1																
		E4-3																
		E4-4																
		E4-6																
		E5-1																
		E5-3																
		E5-4																
		E5-6																
		E6-1																
		E6-4																
		F2-1																
		F2-3																
365		F2-4																

15

Analyst: D. Kent

Date: 05/30/14

TEM ASBESTOS STRUCTURE COUNT BENCH SHEET

Lab Job Number: A140122 Client Sample Number: 3R-05242 Lab Sample ID: A140122-01

GO #	Grid	Grid Opening	Structure Type (ND, F, B, CD, CB, CF, MD, etc.)	Number of Structures		Structure Dimensions (µm)		ID Method (ADX, CD, NAM, etc.)	Mineral Class (check one)				Sketch/ Comments	EDXA Observati on (NaK,	Mineral ID (WRTA, AC, TR, AT, AM, AN, CH, CR, PY, OT, UN)	Record number of spectrum or photo if taken		Check if GO not analyzed for Chrysotile
				Primary	Total	Length	Width		LA	OA	CH	NAM				EDXA (spectrum saved)	Photo	
	A2-5	F2-6	ND															
		F3-3																
		F3-4																
		F3-6																
		F4-1																
		F4-3																
		F4-4																
		F4-6																
		F5-1																
		F5-3																
		F5-4																
		F5-6																
		F6-1																
		F6-4																
380		G2-1																

15

Analyst: D. Kent

Date: 05/30/14

TEM ASBESTOS STRUCTURE COUNT BENCH SHEET

Lab Job Number: A140122 Client Sample Number: 3R-05242 Lab Sample ID: A140122-01

GO #	Grid	Grid Opening	Structure Type (ND, F, B, CD, CB, CF, MD, etc.)	Number of Structures		Structure Dimensions (µm)		ID Method (ADX, CD, NAM, etc.)	Mineral Class (check one)				Sketch/ Comments	EDXA Observation (NaK,	Mineral ID (WRTA, AC, TR, AT, AM, AN, CH, CR, PY, OT, UN)	Record number of spectrum or photo if taken		Check if GO not analyzed for Chrysotile
				Primary	Total	Length	Width		LA	OA	CH	NAM				EDXA (spectrum saved)	Photo	
	A2-5	G2-3	ND															
		G2-4																
		G2-6																
		G3-1																
		G3-3																
		G3-4																
		G3-6																
		G4-1																
		G4-3																
		G4-4																
		G4-6																
		G5-1																
		G5-3																
		G5-4																
395		G5-6																

15

Analyst: D. Kent

Date: 05/30/14

TEM ASBESTOS STRUCTURE COUNT BENCH SHEET

Lab Job Number: A140122 Client Sample Number: 3R-05242 Lab Sample ID: A140122-01

GO #	Grid	Grid Opening	Structure Type (ND, F, B, CD, CB, CF, MD, etc.)	Number of Structures		Structure Dimensions (µm)		ID Method (ADX, CD, NAM, etc.)	Mineral Class (check one)				Sketch/ Comments	EDXA Observation (NaK,	Mineral ID (WRTA, AC, TR, AT, AM, AN, CH, CR, PY, OT, UN)	Record number of spectrum or photo if taken		Check if GO not analyzed for Chrysotile
				Primary	Total	Length	Width		LA	OA	CH	NAM				EDXA (spectrum saved)	Photo	
	A2-5	G6-1	ND															
		G6-4																
		H2-3																
		H2-6																
		H3-1																
		H3-3																
		H3-4																
		H3-6																
		H4-1																
		H4-4																
		H4-6																
		H5-1																
		H5-3																
		H5-4																
410		H5-6																

15

Analyst: D. Kent

Date: 05/30/14

TEM ASBESTOS STRUCTURE COUNT BENCH SHEET

Lab Job Number: A140122 Client Sample Number: 3R-05242 Lab Sample ID: A140122-01

GO #	Grid	Grid Opening	Structure Type (ND, F, B, CD, CB, CF, MD, etc.)	Number of Structures		Structure Dimensions (µm)		ID Method (ADX, CD, NAM, etc.)	Mineral Class (check one)				Sketch/ Comments	EDXA Observation (NaK,	Mineral ID (WRTA, AC, TR, AT, AM, AN, CH, CR, PY, OT, UN)	Record number of spectrum or photo if taken		Check if GO not analyzed for Chrysotile
				Primary	Total	Length	Width		LA	OA	CH	NAM				EDXA (spectrum saved)	Photo	
	A2-5	K3-3	ND															
		K4-1																
		K4-3																
	B2-5	B3-1	ND															
		B3-3	ND															
		B3-4	ND															
		B3-6																
		B4-1																
		B4-3																
		B4-4																
		B4-6																
		B5-1																
		B5-4																
		B5-6																
425		B6-4																

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Analyst: D. Kent

Date: 05/30/14

TEM ASBESTOS STRUCTURE COUNT BENCH SHEET

Lab Job Number: A140122 Client Sample Number: 3R-05242 Lab Sample ID: A140122-01

GO #	Grid	Grid Opening	Structure Type (ND, F, B, CD, CB, CF, MD, etc.)	Number of Structures		Structure Dimensions (µm)		ID Method (ADX, CD, NAM, etc.)	Mineral Class (check one)				Sketch/ Comments	EDXA Observation (NaK,	Mineral ID (WRTA, AC, TR, AT, AM, AN, CH, CR, PY, OT, UN)	Record number of spectrum or photo if taken		Check if GO not analyzed for Chrysotile
				Primary	Total	Length	Width		LA	OA	CH	NAM				EDXA (spectrum saved)	Photo	
	B2-5	C2-3	ND															
		C3-1																
		C3-3																
		C3-4																
		C3-6																
		C4-1																
		C4-3																
		C4-6																
		C5-1																
		C5-4																
		C5-6																
		C6-1																
		C6-4																
		E2-1																
440		E2-3																

Analyst: D. Kent

Date: 05/30/14

TEM ASBESTOS STRUCTURE COUNT BENCH SHEET

Lab Job Number: A140122 Client Sample Number: 3R-05242 Lab Sample ID: A140122-01

GO #	Grid	Grid Opening	Structure Type (ND, F, B, CD, CB, CF, MD, etc.)	Number of Structures		Structure Dimensions (µm)		ID Method (ADX, CD, NAM, etc.)	Mineral Class (check one)				Sketch/ Comments	EDXA Observation (NaK,	Mineral ID (WRTA, AC, TR, AT, AM, AN, CH, CR, PY, OT, UN)	Record number of spectrum or photo if taken		Check if GO not analyzed for Chrysotile
				Primary	Total	Length	Width		LA	OA	CH	NAM				EDXA (spectrum saved)	Photo	
	B2-5	E2-4	ND															
		E2-6																
		E3-1																
		E3-3																
		E3-4																
		E3-6																
		E4-1																
		E4-3																
		E4-4																
		E4-6																
		E5-1																
		E5-4																
		E5-6																
		E6-1																
455		E6-3																

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Analyst: D. Kent

Date: 05/30/14

TEM ASBESTOS STRUCTURE COUNT BENCH SHEET

Lab Job Number: A140122 Client Sample Number: 3R-05242 Lab Sample ID: A140122-01

GO #	Grid	Grid Opening	Structure Type (ND, F, B, CD, CB, CF, MD, etc.)	Number of Structures		Structure Dimensions (µm)		ID Method (ADX, CD, NAM, etc.)	Mineral Class (check one)				Sketch/ Comments	EDXA Observation (NaK,	Mineral ID (WRTA, AC, TR, AT, AM, AN, CH, CR, PY, OT, UN)	Record number of spectrum or photo if taken		Check if GO not analyzed for Chrysotile
				Primary	Total	Length	Width		LA	OA	CH	NAM				EDXA (spectrum saved)	Photo	
	B2-5	E6-4	ND															
		E6-6																
		F2-1																
		F2-3																
		F2-4																
		F2-6																
		F3-1																
		F3-3																
		F3-4																
		F3-6																
		F4-1																
		F4-3																
		F4-4																
		F4-6																
420		F5-1																

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Analyst: D. Kent

Date: 05/30/14

TEM ASBESTOS STRUCTURE COUNT BENCH SHEET

Lab Job Number: A140122 Client Sample Number: 3R-05242 Lab Sample ID: A140122-01

GO #	Grid	Grid Opening	Structure Type (ND, F, B, CD, CB, CF, MD, etc.)	Number of Structures		Structure Dimensions (µm)		ID Method (ADX, CD, NAM, etc.)	Mineral Class (check one)				Sketch/ Comments	EDXA Observati on (NaK,	Mineral ID (WRTA, AC, TR, AT, AM, AN, CH, CR, PY, OT, UN)	Record number of spectrum or photo if taken		Check if GO not analyzed for Chrysotile
				Primary	Total	Length	Width		LA	OA	CH	NAM				EDXA (spectrum saved)	Photo	
	B2-5	F5-3	ND															
		F5-4																
		F5-6																
		F6-1																
		F6-3																
		F6-4																
		F6-6																
		G2-1																
		G2-3																
		G2-6																
		G3-1																
		G3-3																
		G3-4																
		G3-6																
485		G4-1																

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Analyst: D. Kent

Date: 05/30/14

TEM ASBESTOS STRUCTURE COUNT BENCH SHEET

Lab Job Number: A140122 Client Sample Number: 3R-05242 Lab Sample ID: A140122-01

GO #	Grid	Grid Opening	Structure Type (ND, F, B, CD, CB, CF, MD, etc.)	Number of Structures		Structure Dimensions (µm)		ID Method (ADX, CD, NAM, etc.)	Mineral Class (check one)				Sketch/ Comments	EDXA Observation (NaK,	Mineral ID (WRTA, AC, TR, AT, AM, AN, CH, CR, PY, OT, UN)	Record number of spectrum or photo if taken		Check if GO not analyzed for Chrysotile
				Primary	Total	Length	Width		LA	OA	CH	NAM				EDXA (spectrum saved)	Photo	
	B2-5	G4-3	ND															
		G4-4																
		G4-6																
		G5-1																
		G5-3																
		G5-4																
		G5-6																
		H4-1																
		H4-3																
		H4-4																
		H4-6																
		H5-1																
		H5-3																
		H5-4																
500		H5-6																

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Analyst: D. Kent

Date: 05/30/14

TEM ASBESTOS STRUCTURE COUNT BENCH SHEET

Laboratory Name	ESATR8
Site or Project Name	Libby 08BC
Client	USEPA Region 8
Chain of Custody Number	22499
Lab Job Number	A140122
Lab Sample ID	A140122-02
Client Sample Number	3R-05243
Tag	AL1
Lab Receipt Date	05/20/2014
Analysis Method	TEM-ISO
Sample Matrix	Air
Sample Type (field, blank, etc.)	Field Sample
QC Type	Not QC
Analysis Status	Analyzed
Prepared By	R. Pescador
Preparation Date	07/20/2012
Volume (L) or Area (cm²)	1233
Lab Comments	put on grids by N. DelHierro 5/29/14
Grid Prep Acceptable? Y or N (explain)	

Circle Prep Type: Direct Indirect Indirect-Ashed	
Loose Material in cowl?	Y N
Est. Filter Particulate Loading (%)	20
Instrument	JEOL JEM-1011 (C24)
Voltage (kV)	100
Magnification (X)	~~19,000~~ 5KX ND 6/2/14
Primary Filter Area (mm²)	385
Primary Filter Pore Size (µm)	0.8
Sec Filter Area (mm²)	360
Sec Filter Pore Size (µm)	0.2
Grid Opening Area (mm²)	0.0099
Number of Grids Prepared	6
Archive Filter(s) Location	ESATR8
Grid Storage Location	ESATR8
Grid Box	A56
Grid Slots	B3-5, C3-5, A4-5, B4-5, A5-5, B5-5
Filter Type	MCE

Minimum Aspect Ratio	3:1
Minimum Length (µm)	5 ~~0.5~~ ND
Minimum Width (µm)	0.25 5/30/14
Max # LA Structures	25
Max # Grid Openings	500
Target Analytical Sensitivity	----
# of GO's to Reach Target AS	----
GO Traverse Direction (V or H)	H
GO Orientation (Sketch letter F)	F

F-Factor Calculation (if applicable)

Indirect Fraction Primary Filter	0.5
Analysis Aliquot 1 (mL)	50
Analysis Volume 1 (ml)	100
Indirect Fraction Secondary Filter	
Analysis Aliquot 2 (mL)	
Analysis Volume 2 (mL)	
Analysis Aliquot 3 (mL)	
Analysis Volume 3 (mL)	
F-Factor	0.25

GO #	Grid	Grid Opening	Structure Type (ND, F, B, CD, CB, CF, MD, etc.)	Number of Structures		Structure Dimensions (µm)		ID Method (ADX, CD, NAM, etc.)	Mineral Class (check one)				Sketch/ Comments	EDXA Observation (NaK,	Mineral ID (WRTA, AC, TR, AT, AM, AN, CH, CR, PY, OT, UN)	Record number of spectrum or photo if taken		Check if GO not analyzed for Chrysotile
				Primary	Total	Length	Width		LA	OA	CH	NAM				EDXA (spectrum saved)	Photo	
1	B3-5	H2-6	ND															
		H2-3																
		G2-6																
		G2-3																
5		F2-6																

Analyst: N. DelHierro

4/500 500 DVC

Date: 5/30/14

TEM ASBESTOS STRUCTURE COUNT BENCH SHEET

Lab Job Number: A140122 Client Sample Number: 3R-05243 Lab Sample ID: A140122-02

GO #	Grid	Grid Opening	Structure Type (ND, F, B, CD, CB, CF, MD, etc.)	Number of Structures		Structure Dimensions (µm)		ID Method (ADX, CD, NAM, etc.)	Mineral Class (check one)				Sketch/ Comments	EDXA Observation (NaK,	Mineral ID (WRTA, AC, TR, AT, AM, AN, CH, CR, PY, OT, UN)	Record number of spectrum or photo if taken		Check if GO not analyzed for Chrysotile
				Primary	Total	Length	Width		LA	OA	CH	NAM				EDXA (spectrum saved)	Photo	
	B3-5	F2-3	ND															
		E2-6																
		E2-3																
		C2-6																
		K3-1																
		H3-4																
		H3-1																
		G3-4																
		G3-1																
		F3-4																
		F3-1																
		E3-4																
		E3-1																
15		C3-4																
		C3-1																

Analyst: N. Dellierro Date: 5/30/14

TEM ASBESTOS STRUCTURE COUNT BENCH SHEET

Lab Job Number: A140122 Client Sample Number: 3R-05243 Lab Sample ID: A140122-02

GO #	Grid	Grid Opening	Structure Type (IND, F, B, CD, CB, CF, MD, etc.)	Number of Structures		Structure Dimensions (µm)		ID Method (ADX, CD, NAM, etc.)	Mineral Class (check one)				Sketch/ Comments	EDXA Observation (NaK,	Mineral ID (WRTA, AC, TR, AT, AM, AN, CH, CR, PY, OT, UN)	Record number of spectrum or photo if taken		Check if GO not analyzed for Chrysotile
				Primary	Total	Length	Width		LA	OA	CH	NAM				EDXA (spectrum saved)	Photo	
	B3-S	K3-6	ND															
		K3-3																
		H3-6																
		H3-3																
		G3-6																
		F3-6																
		F3-3																
		E3-6																
		E3-3																
		C3-6																
		C3-3																
		B3-6																
		L4-1																
		K4-4																
15		K4-1																

Analyst: N. DelHierro Date: 5/30/14

TEM ASBESTOS STRUCTURE COUNT BENCH SHEET

Lab Job Number: A140122 Client Sample Number: 3R-05243 Lab Sample ID: A140122-02

GO #	Grid	Grid Opening	Structure Type (ND, F, B, CD, CB, CF, MD, etc.)	Number of Structures		Structure Dimensions (µm)		ID Method (ADX, CD, NAM, etc.)	Mineral Class (check one)				Sketch/ Comments	EDXA Observation (NaK,	Mineral ID (WRTA, AC, TR, AT, AM, AN, CH, CR, PY, OT, UN)	Record number of spectrum or photo if taken		Check if GO not analyzed for Chrysotile
				Primary	Total	Length	Width		LA	OA	CH	NAM				EDXA (spectrum saved)	Photo	
	B3-5	H4-4	No															
		H4-1																
		G4-4																
		G4-1																
		F4-4																
		F4-1																
		E4-4																
		E4-1																
		C4-4																
		C4-1																
		B4-4																
		B4-1																
		L4-3																
15		K4-6																
		K4-3																

Analyst: N. Dellierro Date: 5/30/14

TEM ASBESTOS STRUCTURE COUNT BENCH SHEET

Lab Job Number: A140122 Client Sample Number: 3R-05243 Lab Sample ID: A140122-02

GO #	Grid	Grid Opening	Structure Type (ND, F, B, CD, CB, CF, MD, etc.)	Number of Structures		Structure Dimensions (µm)		ID Method (ADX, CD, NAM, etc.)	Mineral Class (check one)				Sketch/ Comments	EDXA Observation (NaK,	Mineral ID (WRTA, AC, TR, AT, AM, AN, CH, CR, PY, OT, UN)	Record number of spectrum or photo if taken		Check if GO not analyzed for Chrysotile
				Primary	Total	Length	Width		LA	OA	CH	NAM				EDXA (spectrum saved)	Photo	
	B3-S	H4-6	NP															
		H4-3																
		G4-6																
		G4-3																
		F4-6																
		F4-3																
		E4-6																
		E4-3																
		C4-6																
		C4-3																
		B4-6																
		B4-3																
		L5-1																
		KS-4																
		KS-1																

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Analyst: N. DelHierro

Date: 6/2/14

TEM ASBESTOS STRUCTURE COUNT BENCH SHEET

Lab Job Number: A140122 Client Sample Number: 3R-05243 Lab Sample ID: A140122-02

GO #	Grid	Grid Opening	Structure Type (ND, F, B, CD, CB, CF, MD, etc.)	Number of Structures		Structure Dimensions (µm)		ID Method (ADX, CD, NAM, etc.)	Mineral Class (check one)				Sketch/ Comments	EDXA Observation (NaK,	Mineral ID (WRTA, AC, TR, AT, AM, AN, CH, CR, PY, OT, UN)	Record number of spectrum or photo if taken		Check if GO not analyzed for Chrysotile
				Primary	Total	Length	Width		LA	OA	CH	NAM				EDXA (spectrum saved)	Photo	
	B3-5	HS-4	ND															
		HS-1																
		GS-4																
		GS-1																
		FS-4																
		FS-1																
		ES-4																
		ES-1																
		CS-4																
		CS-1																
		BS-4																
		KS-6																
		KS-3																
15		HS-6																
		HS-3																

Analyst: N. DelHierro Date: 6/2/14

TEM ASBESTOS STRUCTURE COUNT BENCH SHEET

Lab Job Number: A140122 Client Sample Number: 3R-05243 Lab Sample ID: A140122-02

GO #	Grid	Grid Opening	Structure Type (ND, F, B, CD, CB, CF, MD, etc.)	Number of Structures		Structure Dimensions (µm)		ID Method (ADX, CD, NAM, etc.)	Mineral Class (check one)				Sketch/ Comments	EDXA Observation (NaK,	Mineral ID (WRTA, AC, TR, AT, AM, AN, CH, CR, PY, OT, UN)	Record number of spectrum or photo if taken		Check if GO not analyzed for Chrysotile
				Primary	Total	Length	Width		LA	OA	CH	NAM				IEDXA (spectrum saved)	Photo	
	B3-S	G5-6	B	1	1	6.8	0.9	ADX	✓					XK	WRTA	1-WRTA	0149	
		G5-3	ND															
		F5-6																
		F5-3																
		E5-6																
		E5-3																
		C5-6																
		C5-3																
		B5-6																
		K6-1																
		H6-4																
		H6-1																
		G6-4																
		G6-1																
		F6-4																

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Analyst: N. DelHierro

Date: 6/2/14

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TEM ASBESTOS STRUCTURE COUNT BENCH SHEET

Lab Job Number: A140122 Client Sample Number: 3R-05243 Lab Sample ID: A140122-02

GO #	Grid	Grid Opening	Structure Type (ND, F, B, CD, CB, CF, MD, etc.)	Number of Structures		Structure Dimensions (µm)		ID Method (ADX, CD, NAM, etc.)	Mineral Class (check one)				Sketch/ Comments	EDXA Observation (NaK,	Mineral ID (WRTA, AC, TR, AT, AM, AN, CH, CR, PY, OT, UN)	Record number of spectrum or photo if taken		Check if GO not analyzed for Chrysotile
				Primary	Total	Length	Width		LA	OA	CH	NAM				EDXA (spectrum saved)	Photo	
	B3-S	F6-1	ND															
		E6-4																
		E6-1																
		C6-4																
		C6-1																
		G6-6																
		G6-3																
		F6-6																
		F6-3																
105		E6-6																
	C3-S	H2-3																
		G2-6																
		G2-3																
15		F2-6																
		F2-3																

Analyst: N. DelHierro Date: 6/2/14

TEM ASBESTOS STRUCTURE COUNT BENCH SHEET

Lab Job Number: A140122 Client Sample Number: 3R-05243 Lab Sample ID: A140122-02

GO #	Grid	Grid Opening	Structure Type (ND, F, B, CD, CB, CF, MD, etc.)	Number of Structures		Structure Dimensions (µm)		ID Method (ADX, CD, NAM, etc.)	Mineral Class (check one)				Sketch/ Comments	EDXA Observation (NaK,	Mineral ID (WRTA, AC, TR, AT, AM, AN, CH, CR, PY, OT, UN)	Record number of spectrum or photo if taken		Check if GO not analyzed for Chrysotile
				Primary	Total	Length	Width		LA	OA	CH	NAM				EDXA (spectrum saved)	Photo	
	C3-5	E2.6	ND															
		E2.3																
		C2.6																
		C2.3																
		B2.6																
		H3-4																
		H3.1																
		G3.4																
		G3.1																
		F3.4																
		F3.1																
		E3.4																
		E3.1																
		C3.4																
		C3-1																

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Analyst: N. Del Hierro

Date: 6/2/14

TEM ASBESTOS STRUCTURE COUNT BENCH SHEET

Lab Job Number: A140122 Client Sample Number: 3R-05243 Lab Sample ID: A140122-02

GO #	Grid	Grid Opening	Structure Type (ND, F, B, CD, CB, CF, MD, etc.)	Number of Structures		Structure Dimensions (µm)		ID Method (ADX, CD, NAM, etc.)	Mineral Class (check one)				Sketch/ Comments	EDXA Observation (NaK,	Mineral ID (WRTA, AC, TR, AT, AM, AN, CH, CR, PY, OT, UN)	Record number of spectrum or photo if taken		Check if GO not analyzed for Chrysotile
				Primary	Total	Length	Width		LA	OA	CH	NAM				EDXA (spectrum saved)	Photo	
	C3-5	B3-4	ND															
		B3-1																
		K3-3																
		H3-6																
		H3-3																
		G3-6																
		G3-3																
		F3-6																
		F3-3																
		E3-6																
		E3-3																
		C3-6																
		C3-3																
		B3-6																
		B3-3																

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Analyst: N. DelHierro Date: 6/2/14

TEM ASBESTOS STRUCTURE COUNT BENCH SHEET

Lab Job Number: A140122 Client Sample Number: 3R-05243 Lab Sample ID: A140122-02

GO #	Grid	Grid Opening	Structure Type (ND, F, B, CD, CB, CF, MD, etc.)	Number of Structures		Structure Dimensions (µm)		ID Method (ADX, CD, NAM, etc.)	Mineral Class (check one)				Sketch/ Comments	EDXA Observation (NaK,	Mineral ID (WRTA, AC, TR, AT, AM, AN, CH, CR, PY, OT, UN)	Record number of spectrum or photo if taken		Check if GO not analyzed for Chrysotile
				Primary	Total	Length	Width		LA	OA	CH	NAM				EDXA (spectrum saved)	Photo	
	C3-5	A3-6	ND															
		K4-1																
		H4-4																
		H4-1																
		G4-4																
		G4-1																
		F4-4																
		F4-1																
		E4-4																
		E4-1																
		C4-4																
		C4-1																
		B4-4																
		B4-1																
		A4-4																

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Analyst: N. DelHierro

Date: 6/2/14

TEM ASBESTOS STRUCTURE COUNT BENCH SHEET

Lab Job Number: A140122 Client Sample Number: 3R-05243 Lab Sample ID: A140122-02

GO #	Grid	Grid Opening	Structure Type (ND, F, B, CD, CB, CF, MD, etc.)	Number of Structures		Structure Dimensions (µm)		ID Method (ADX, CD, NAM, etc.)	Mineral Class (check one)				Sketch/ Comments	EDXA Observation (NaK,	Mineral ID (WRTA, AC, TR, AT, AM, AN, CH, CR, PY, OT, UN)	Record number of spectrum or photo if taken		Check if GO not analyzed for Chrysotile
				Primary	Total	Length	Width		LA	OA	CH	NAM				EDXA (spectrum saved)	Photo	
	C3-5	K4-3	ND															
		H4-6																
		H4-3																
		G4-6																
		G4-3																
		F4-6																
		F4-3																
		E4-6																
		E4-3																
		C4-6																
		C4-3																
		B4-6																
		B4-3																
		A4-6																
		K5-1																

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Analyst: N. DelHierro Date: 6/2/14

TEM ASBESTOS STRUCTURE COUNT BENCH SHEET

Lab Job Number: A140122 Client Sample Number: 3R-05243 Lab Sample ID: A140122-02

GO #	Grid	Grid Opening	Structure Type (ND, F, B, CD, CB, CF, MD, etc.)	Number of Structures		Structure Dimensions (µm)		ID Method (ADX, CD, NAM, etc.)	Mineral Class (check one)				Sketch/ Comments	EDXA Observation (NaK,	Mineral ID (WRTA, AC, TR, AT, AM, AN, CH, CR, PY, OT, UN)	Record number of spectrum or photo if taken		Check if GO not analyzed for Chrysotile
				Primary	Total	Length	Width		LA	OA	CH	NAM				EDXA (spectrum saved)	Photo	
	C3-5	HS-4	NP															
		HS-1																
		GS-4																
		GS-1																
		FS-4																
		FS-1																
		ES-4																
		ES-1																
		CS-4																
		CS-1																
		BS-4																
		BS-1																
		AS-4																
		HS-6																
15		HS-3																

Analyst: N. Del Hierro Date: 6/2/14

TEM ASBESTOS STRUCTURE COUNT BENCH SHEET

Lab Job Number: A140122 Client Sample Number: 3R-05243 Lab Sample ID: A140122-02

GO #	Grid	Grid Opening	Structure Type (ND, F, B, CD, CB, CF, MD, etc.)	Number of Structures		Structure Dimensions (µm)		ID Method (ADX, CD, NAM, etc.)	Mineral Class (check one)				Sketch/ Comments	EDXA Observation (NaK,	Mineral ID (WRTA, AC, TR, AT, AM, AN, CH, CR, PY, OT, UN)	Record number of spectrum or photo if taken		Check if GO not analyzed for Chrysotile
				Primary	Total	Length	Width		LA	OA	CH	NAM				EDXA (spectrum saved)	Photo	
	C3-5	G5-6	ND															
		G5-3																
		F5-6																
		F5-3																
		E5-6																
		E5-3																
		C5-6	F	2	2	6	0.3	ADX	✓					NaK	WRTA	2-WRTA		
		C5-3	ND															
		B5-6																
		B5-3																
		H6-1																
		G6-4																
		G6-1																
		F6-4																
		F6-1																

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Analyst: N. DelHierro

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Date: 6/2/14

TEM ASBESTOS STRUCTURE COUNT BENCH SHEET

Lab Job Number: A140122 Client Sample Number: 3R-05243 Lab Sample ID: A140122-02

GO #	Grid	Grid Opening	Structure Type (ND, F, B, CD, CB, CF, MD, etc.)	Number of Structures		Structure Dimensions (µm)		ID Method (ADX, CD, NAM, etc.)	Mineral Class (check one)				Sketch/ Comments	EDXA Observation (NaK,	Mineral ID (WRTA, AC, TR, AT, AM, AN, CH, CR, PY, OT, UN)	Record number of spectrum or photo if taken		Check if GO not analyzed for Chrysotile
				Primary	Total	Length	Width		LA	OA	CH	NAM				EDXA (spectrum saved)	Photo	
	C3-S	E6-4	ND															
		E6-1																
		C6-4																
		C6-1																
		F6-6																
		F6-3																
		E6-6																
208		E6-3																
	A4-S	H2-6																
		H2-3																
		G2-6																
		G2-3																
		F2-6																
		F2-3																
15		E2-6																

Analyst: N. DelHierro

Date: 6/2/14

TEM ASBESTOS STRUCTURE COUNT BENCH SHEET

Lab Job Number: A140122 Client Sample Number: 3R-05243 Lab Sample ID: A140122-02

GO #	Grid	Grid Opening	Structure Type (ND, F, B, CD, CB, CF, MD, etc.)	Number of Structures		Structure Dimensions (µm)		ID Method (ADX, CD, NAM, etc.)	Mineral Class (check one)				Sketch/ Comments	EDXA Observation (NaK,	Mineral ID (WRTA, AC, TR, AT, AM, AN, CH, CR, PY, OT, UN)	Record number of spectrum or photo if taken		Check if GO not analyzed for Chrysotile
				Primary	Total	Length	Width		LA	OA	CH	NAM				EDXA (spectrum saved)	Photo	
	A4-5	E2-3	NO															
		C2-6																
		K3-1																
		H3-4																
		H3-1																
		G3-4																
		G3-1																
		F3-4																
		F3-1																
		E3-4																
		E3-1																
		C3-4																
		C3-1																
		K3-6																
15		K3-3																

Analyst: N. DelHierro

Date: 6/2/14

TEM ASBESTOS STRUCTURE COUNT BENCH SHEET

Lab Job Number: A140122 Client Sample Number: 3R-05243 Lab Sample ID: A140122-02

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	A4-5	H3-6	ND															
		G3-3																
		F3-6																
		F3-3																
		E3-6																
		E3-3																
		C3-6																
		C3-3																
		B3-6																
		L4-1																
		K4-4																
		K4-1																
		G4-4																
		G4-1																
15		F4-4																

Analyst: N. DelHierro Date: 6/2/14

TEM ASBESTOS STRUCTURE COUNT BENCH SHEET

Lab Job Number: A140122 Client Sample Number: 3R-05243 Lab Sample ID: A140122-02

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				Primary	Total	Length	Width		LA	OA	CH	NAM				EDXA (spectrum saved)	Photo	
	A4-5	F4-1	ND															
		E4-4																
		E4-1																
		C4-4																
		C4-1																
		B4-4																
		B4-1																
		L4-3																
		K4-6																
		K4-3																
		H4-6																
		H4-3																
		G4-6																
		G4-3																
15		F4-6																

Analyst: N. DelHierro

Date: 6/2/14

TEM ASBESTOS STRUCTURE COUNT BENCH SHEET

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	A4-5	F4-3	ND															
		E4-6																
		E4-3																
		C4-6																
		C4-3																
		B4-6																
		B4-3																
		K5-4																
		K5-1																
		H5-4																
		H5-1																
		G5-4																
		G5-1																
		F5-4																
15		F5-1																

Analyst: N. DelHierro Date: 6/2/14

TEM ASBESTOS STRUCTURE COUNT BENCH SHEET

Lab Job Number: A140122 Client Sample Number: 3R-05243 Lab Sample ID: A140122-02

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				Primary	Total	Length	Width		LA	OA	CH	NAM				EDXA (spectrum saved)	Photo	
	A4-5	ES-4	ND															
		ES-1																
		CS-4																
		CS-1																
		BS-4																
		BS-1																
		KS-6																
		KS-3																
		HS-6																
		HS-3																
		GS-6																
		GS-3																
		FS-6																
		FS-3																
		ES-6																

15

Analyst: N. DelHierro Date: 6/2/14

TEM ASBESTOS STRUCTURE COUNT BENCH SHEET

Lab Job Number: A140122 Client Sample Number: 3R-05243 Lab Sample ID: A140122-02

GO #	Grid	Grid Opening	Structure Type (ND, F, B, CD, CB, CF, MD, etc.)	Number of Structures		Structure Dimensions (µm)		ID Method (ADX, CD, NAM, etc.)	Mineral Class (check one)				Sketch/ Comments	EDXA Observation (NaK,	Mineral ID (WRTA, AC, TR, AT, AM, AN, CH, CR, PY, OT, UN)	Record number of spectrum or photo if taken		Check if GO not analyzed for Chrysotile
				Primary	Total	Length	Width		LA	OA	CH	NAM				EDXA (spectrum saved)	Photo	
	A4-S	E5-3	ND															
		C5-6																
		C5-3																
		B5-6																
		H6-4																
		H6-1																
		G6-4																
		G6-1																
		F6-4																
		F6-1																
		E6-4																
		E6-1																
		C6-4																
		C6-1																
15		G6-3																

Analyst: N. DelHierro Date: 6/2/14

TEM ASBESTOS STRUCTURE COUNT BENCH SHEET

Lab Job Number: A140122 Client Sample Number: 3R-05243 Lab Sample ID: A140122-02

GO #	Grid	Grid Opening	Structure Type (ND, F, B, CD, CB, CF, MD, etc.)	Number of Structures		Structure Dimensions (µm)		ID Method (ADX, CD, NAM, etc.)	Mineral Class (check one)				Sketch/ Comments	EDXA Observation (NaK,	Mineral ID (WRTA, AC, TR, AT, AM, AN, CH, CR, PY, OT, UN)	Record number of spectrum or photo if taken		Check if GO not analyzed for Chrysotile
				Primary	Total	Length	Width		LA	OA	CH	NAM				EDXA (spectrum saved)	Photo	
	A4-5	F6-6	ND															
	↓	F6-3	↓															
308		E6-6																
	B4-5	G2-1																
		F2-4																
		F2-1																
		E2-4																
		E2-1																
		H2-6																
		H2-3																
		G2-6																
		G2-3																
		F2-6																
		F2-3																
15		E2-6	↓															

Analyst: N. DelHierro

Date: 6/3/14

TEM ASBESTOS STRUCTURE COUNT BENCH SHEET

Lab Job Number: A140122 Client Sample Number: 3R-05243 Lab Sample ID: A140122-02

GO #	Grid	Grid Opening	Structure Type (ND, F, B, CD, CB, CF, MD, etc.)	Number of Structures		Structure Dimensions (µm)		ID Method (ADX, CD, NAM, etc.)	Mineral Class (check one)				Sketch/ Comments	EDXA Observation (NaK,	Mineral ID (WRTA, AC, TR, AT, AM, AN, CH, CR, PY, OT, UN)	Record number of spectrum or photo if taken		Check if GO not analyzed for Chrysotile
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	B4-5	E2-3	ND															
		C2-6																
		C2-3																
		B2-6																
		K3-1																
		H3-4																
		H3-1																
		G3-4																
		G3-1																
		F3-4																
		F3-1																
		E3-4																
		E3-1																
		C3-4																
15		C3-1																

Analyst: N. DelHierro

Date: 6/3/14

TEM ASBESTOS STRUCTURE COUNT BENCH SHEET

Lab Job Number: A140122 Client Sample Number: 3R-05243 Lab Sample ID: A140122-02

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	B4-5	B3-4	ND															
		B3-1																
		K3-6																
		K3-3																
		H3-6																
		H3-3																
		G3-6																
		G3-3																
		F3-6																
		F3-3																
		E3-6																
		E3-3																
		C3-6																
		C3-3																
15		B3-6																

Analyst: N. DelHierro Date: 6/3/14

TEM ASBESTOS STRUCTURE COUNT BENCH SHEET

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				Primary	Total	Length	Width		LA	OA	CH	NAM				EDXA (spectrum saved)	Photo	
	B4-5	B3-3	ND															
		K4-4																
		K4-1																
		H4-4	B	3	3	9	1.5	ADX	✓					NaK	WRTA	3-WRTA		
		H4-1	ND															
		G4-4																
		G4-1																
		F4-4																
		F4-1																
		E4-4																
		E4-1																
		C4-4																
		C4-1																
		B4-4																
15		B4-1																

Analyst: N. DelHierro

1

Date: 6/3/14

TEM ASBESTOS STRUCTURE COUNT BENCH SHEET

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				Primary	Total	Length	Width		LA	OA	CH	NAM				EDXA (spectrum saved)	Photo	
	B4-5	A4-4	ND															
		K4-6																
		K4-3																
		H4-6																
		H4-3																
		G4-6																
		G4-3																
		F4-6																
		F4-3																
		E4-6																
		E4-3	F	4	4	6	0.8	ADX	✓					XX	AC	4-AC		
		C4-6	ND															
		C4-3																
		B4-6																
15		B4-3																

Analyst: N. DelHierro

1

Date: 6/3/14

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Lab Job Number: A140122 Client Sample Number: 3R-05243 Lab Sample ID: A140122-02

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				Primary	Total	Length	Width		LA	OA	CH	NAM				EDXA (spectrum saved)	Photo	
	B4-S	KS-1	NO															
		HS-4																
		HS-1																
		GS-4																
		GS-1																
		FS-4																
		FS-1																
		ES-4																
		ES-1																
		CS-4																
		CS-1																
		BS-4																
		BS-1																
		HS-6																
15		HS-3																

Analyst: N. DelHierro Date: 6/3/14

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				Primary	Total	Length	Width		LA	OA	CH	NAM				EDXA (spectrum saved)	Photo	
	B4-5	G5-6	ND															
		G5-3																
		F5-6																
		F5-3																
		E5-6																
		E5-3																
		C5-6																
		C5-3																
		H6-4																
		H6-1																
		G6-4																
		G6-1																
		F6-4																
		F6-1																
15		E6-4																

Analyst: N. Del Hierro Date: 6/3/14

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	B4-5	E6-1	ND															
		C6-4																
		C6-1																
		F6-6																
		F6-3																
416		E6-6																
	A5-5	G2-4																
		G2-1																
		F2-4																
		F2-1																
		E2-4																
		E2-1																
		K2-6																
		K2-3																
15		H2-6																

Analyst: N. DelHierro Date: 6/3/14

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		G2-3																
		F2-6																
		F2-3																
		E2-6																
		E2-3																
		C2-6																
		C2-3																
		K3-1																
		H3-4																
		H3-1																
		G3-4																
		G3-1																
		F3-4																

15

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		E3-1																
		C3-4																
		C3-1																
		B3-4																
		L3-3																
		K3-6																
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		C3-6																
		C3-3																
		B3-6																
		L4-1																
		K4-4																
		K4-1																
		H4-4																
		H4-1																
		F4-1																
		E4-4																
		E4-1																
		C4-4																
		C4-1																
15		B4-4																

Analyst: N. DelHierro

Date: 6/3/14

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		K4-6																
		K4-3																
		H4-6																
		H4-3																
		G4-6																
		G4-3																
		F4-6																
		F4-3																
		E4-6																
		E4-3																
		C4-6																
		C4-3																
		B4-6																
15		K5-4																

Analyst: N. DelHierro Date: 6/3/14

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				Primary	Total	Length	Width		LA	OA	CH	NAM				EDXA (spectrum saved)	Photo	
	A5-S	HS-4	ND															
		GS-4																
		GS-1																
		FS-4																
		FS-1																
		ES-4																
		ES-1																
		CS-4																
		CS-1																
		BS-4																
		KS-3																
		GS-3																
		FS-6																
		ES-6																
15 500		ES-3																

Analyst: N. DelHierro

Date: 6/3/14

TEM ASBESTOS STRUCTURE COUNT BENCH SHEET

Laboratory Name	ESATR8
Site or Project Name	Libby 08BC
Client	USEPA Region 8
Chain of Custody Number	22499
Lab Job Number	A140122
Lab Sample ID	A140122-03
Client Sample Number	3R-05244
Tag	AL1
Lab Receipt Date	05/20/2014
Analysis Method	TEM-ISO
Sample Matrix	Air
Sample Type (field, blank, etc.)	Field Sample
QC Type	Not QC
Analysis Status	Analyzed
Prepared By	R. Pescador/EMSL 27
Preparation Date	07/20/2012
Volume (L) or Area (cm²)	1233
Lab Comments	put on grids by N. Del Hierro 5/22/14
Grid Prep Acceptable? Y or N (explain)	

Circle Prep Type: Direct Indirect Indirect-Ashed	
Loose Material in cowl?	Y N
Est. Filter Particulate Loading (%)	25
Instrument	JEOL JEM-1011 (C24)
Voltage (kV)	100
Magnification (X)	5,000
Primary Filter Area (mm²)	385
Primary Filter Pore Size (µm)	0.8
Sec Filter Area (mm²)	360
Sec Filter Pore Size (µm)	0.2
Grid Opening Area (mm²)	0.0099
Number of Grids Prepared	6
Archive Filter(s) Location	ESATR8
Grid Storage Location	ESATR8
Grid Box	A56
Grid Slots	C5-S, A6-S, B6-S, A7-S, B7-S, C7-S
Filter Type	MCE

Minimum Aspect Ratio	3:1
Minimum Length (µm)	>5
Minimum Width (µm)	0.25
Max # LA Structures	25
Max # Grid Openings	500
Target Analytical Sensitivity	-
# of GO's to Reach Target AS	-
GO Traverse Direction (V or H)	H
GO Orientation (Sketch letter F)	F

F-Factor Calculation (if applicable)

Indirect Fraction Primary Filter	0.5
Analysis Aliquot 1 (mL)	50
Analysis Volume 1 (ml)	100
Indirect Fraction Secondary Filter	
Analysis Aliquot 2 (mL)	
Analysis Volume 2 (mL)	
Analysis Aliquot 3 (mL)	
Analysis Volume 3 (mL)	
F-Factor	0.25

GO #	Grid	Grid Opening	Structure Type (ND, F, B, CD, CB, CF, MD, etc.)	Number of Structures		Structure Dimensions (µm)		ID Method (ADX, CD, NAM, etc.)	Mineral Class (check one)				Sketch/ Comments	EDXA Observation (NaK,	Mineral ID (WRTA, AC, TR, AT, AM, AN, CH, CR, PY, OT, UN)	Record number of spectrum or photo if taken		Check if GO not analyzed for Chrysotile
				Primary	Total	Length	Width		LA	OA	CH	NAM				EDXA (spectrum saved)	Photo	
1	C5-S	G2-4	ND															
		G2-1																
		F2-4																
		F2-1																
5		E2-4																

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Analyst: N. Del Hierro

Date: 6/4/14

TEM ASBESTOS STRUCTURE COUNT BENCH SHEET

Lab Job Number: A140122 Client Sample Number: 3R-05244 Lab Sample ID: A140122-03

GO #	Grid	Grid Opening	Structure Type (ND, F, B, CD, CB, CF, MD, etc.)	Number of Structures		Structure Dimensions (µm)		ID Method (ADX, CD, NAM, etc.)	Mineral Class (check one)				Sketch/ Comments	EDXA Observation (NaK,	Mineral ID (WRTA, AC, TR, AT, AM, AN, CH, CR, PY, OT, UN)	Record number of spectrum or photo if taken		Check if GO not analyzed for Chrysotile
				Primary	Total	Length	Width		LA	OA	CH	NAM				EDXA (spectrum saved)	Photo	
	C5-s	K2-3	NO															
		H2-6																
		H2-3																
		G2-6																
		G2-3																
		F2-6																
		F2-3																
		E2-6																
		E2-3																
		C2-6																
		C2-3																
		K3-4																
		K3-1																
15		H3-4																
		H3-1																

Analyst: N. Del Hierro

Date: 6/4/14

TEM ASBESTOS STRUCTURE COUNT BENCH SHEET

Lab Job Number: A140122 Client Sample Number: 3R-05244 Lab Sample ID: A140122-03

GO #	Grid	Grid Opening	Structure Type (ND, F, B, CD, CB, CF, MD, etc.)	Number of Structures		Structure Dimensions (µm)		ID Method (ADX, CD, NAM, etc.)	Mineral Class (check one)				Sketch/ Comments	EDXA Observation (NaK,	Mineral ID (WRTA, AC, TR, AT, AM, AN, CH, CR, PY, OT, UN)	Record number of spectrum or photo if taken		Check if GO not analyzed for Chrysotile
				Primary	Total	Length	Width		LA	OA	CH	NAM				EDXA (spectrum saved)	Photo	
	C5-5	G3-4	ND															
		G3-1																
		F3-4																
		F3-1																
		E3-4																
		E3-1																
		C3-4																
		C3-1																
		L3-3																
		K3-6																
		K3-3																
		H3-6																
		H3-3																
		G3-6																
15		G3-3																

Analyst: N. DelHierro Date: 6/4/14

TEM ASBESTOS STRUCTURE COUNT BENCH SHEET

Lab Job Number: A140122 Client Sample Number: 3R-05244 Lab Sample ID: A140122-03

GO #	Grid	Grid Opening	Structure Type (ND, F, B, CD, CB, CF, MD, etc.)	Number of Structures		Structure Dimensions (µm)		ID Method (ADX, CD, NAM, etc.)	Mineral Class (check one)				Sketch/ Comments	EDXA Observation (NaK,	Mineral ID (WRTA, AC, TR, AT, AM, AN, CH, CR, PY, OT, UN)	Record number of spectrum or photo if taken		Check if GO not analyzed for Chrysotile
				Primary	Total	Length	Width		LA	OA	CH	NAM				EDXA (spectrum saved)	Photo	
	C5-5	F3-6	ND															
		F3-3																
		E3-6																
		E3-3																
		C3-6																
		C3-3																
		B3-6																
		L4-1																
		K4-4																
		K4-1																
		H4-4																
		H4-1																
		G4-4																
		G4-1																
		F4-4																

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Analyst: N. Del Hierro Date: 6/4/14

TEM ASBESTOS STRUCTURE COUNT BENCH SHEET

Lab Job Number: A140122 Client Sample Number: 3R-05244 Lab Sample ID: A140122-03

GO #	Grid	Grid Opening	Structure Type (ND, F, B, CD, CB, CF, MD, etc.)	Number of Structures		Structure Dimensions (µm)		ID Method (ADX, CD, NAM, etc.)	Mineral Class (check one)				Sketch/ Comments	EDXA Observation (NaK,	Mineral ID (WRTA, AC, TR, AT, AM, AN, CH, CR, PY, OT, UN)	Record number of spectrum or photo if taken		Check if GO not analyzed for Chrysotile
				Primary	Total	Length	Width		LA	OA	CH	NAM				EDXA (spectrum saved)	Photo	
	C5-5	F4-1	ND															
		E4-4																
		E4-1																
		C4-4																
		C4-1																
		B4-4																
		L4-3																
		K4-6																
		K4-3																
		H4-6																
		H4-3																
		G4-6																
		G4-3																
		F4-6																
		F4-3																

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Analyst: N. DelHierro Date: 6/4/14

TEM ASBESTOS STRUCTURE COUNT BENCH SHEET

Lab Job Number: A140122 Client Sample Number: 3R-05244 Lab Sample ID: A140122-03

GO #	Grid	Grid Opening	Structure Type (ND, F, B, CD, CB, CF, MD, etc.)	Number of Structures		Structure Dimensions (µm)		ID Method (ADX, CD, NAM, etc.)	Mineral Class (check one)				Sketch/ Comments	EDXA Observation (NaK,	Mineral ID (WRTA, AC, TR, AT, AM, AN, CH, CR, PY, OT, UN)	Record number of spectrum or photo if taken		Check if GO not analyzed for Chrysotile
				Primary	Total	Length	Width		LA	OA	CH	NAM				EDXA (spectrum saved)	Photo	
	C5-s	E4-6	ND															
		E4-3																
		C4-6																
		C4-3																
		B4-6																
		L5-1																
		K5-4																
		K5-1																
		H5-4																
		H5-1																
		G5-4																
		G5-1																
		F5-4																
		F5-1																
		E5-4																

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Analyst: N. Del Hierro Date: 6/4/14

TEM ASBESTOS STRUCTURE COUNT BENCH SHEET

Lab Job Number: A140122 Client Sample Number: 3R-05244 Lab Sample ID: A140122-03

GO #	Grid	Grid Opening	Structure Type (ND, F, B, CD, CB, CF, MD, etc.)	Number of Structures		Structure Dimensions (µm)		ID Method (ADX, CD, NAM, etc.)	Mineral Class (check one)				Sketch/ Comments	EDXA Observation (NaK,	Mineral ID (WRTA, AC, TR, AT, AM, AN, CH, CR, PY, OT, UN)	Record number of spectrum or photo if taken		Check if GO not analyzed for Chrysotile
				Primary	Total	Length	Width		LA	OA	CH	NAM				EDXA (spectrum saved)	Photo	
	CS-5	ES-1	ND															
		CS-4																
		CS-1																
		BS-4																
		KS-6																
		KS-3																
		HS-6																
		HS-3																
		GS-6																
		GS-3																
		FS-6																
		FS-3																
		ES-6																
		ES-3																
15		CS-6																

Analyst: N. DelHierro Date: 6/4/14

TEM ASBESTOS STRUCTURE COUNT BENCH SHEET

Lab Job Number: A140122 Client Sample Number: 3R-05244 Lab Sample ID: A140122-03

GO-#	Grid	Grid Opening	Structure Type (ND, F, B, CD, CB, CF, MD, etc.)	Number of Structures		Structure Dimensions (µm)		ID Method (ADX, CD, NAM, etc.)	Mineral Class (check one)				Sketch/ Comments	EDXA Observation (NaK,	Mineral ID (WRTA, AC, TR, AT, AM, AN, CH, CR, PY, OT, UN)	Record number of spectrum or photo if taken		Check if GO not analyzed for Chrysotile
				Primary	Total	Length	Width		LA	OA	CH	NAM				EDXA (spectrum saved)	Photo	
	C5-5	C5-3	ND															
		K6-1																
		H6-4																
		H6-1																
		G6-4																
		G6-1																
		F6-4																
		F6-1																
		E6-4																
		E6-1																
		C6-4																
		G6-3																
108		F6-6																
15	A6-5	F2-4																
		F2-1																

Analyst: N. Del Hierro Date: 6/4/14

TEM ASBESTOS STRUCTURE COUNT BENCH SHEET

Lab Job Number: A140122 Client Sample Number: 3R-05244 Lab Sample ID: A140122-03

GO #	Grid	Grid Opening	Structure Type (ND, F, B, CD, CB, CF, MD, etc.)	Number of Structures		Structure Dimensions (µm)		ID Method (ADX, CD, NAM, etc.)	Mineral Class (check one)				Sketch/ Comments	EDXA Observation (NaK,	Mineral ID (WRTA, AC, TR, AT, AM, AN, CH, CR, PY, OT, UN)	Record number of spectrum or photo if taken		Check if GO not analyzed for Chrysotile
				Primary	Total	Length	Width		LA	OA	CH	NAM				EDXA (spectrum saved)	Photo	
	A6-5	E2-4	ND															
		H2-3																
		G2-6																
		G2-3																
		F2-6																
		F2-3																
		E2-6																
		E2-3																
		C2-6																
		C2-3																
		B2-6																
		H3-4																
		H3-1																
		G3-4																
		G3-1																

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Analyst: N. DelHierro Date: 6/4/14

TEM ASBESTOS STRUCTURE COUNT BENCH SHEET

Lab Job Number: A140122 Client Sample Number: 3R-05244 Lab Sample ID: A140122-03

GO #	Grid	Grid Opening	Structure Type (ND, F, B, CD, CB, CF, MD, etc.)	Number of Structures		Structure Dimensions (µm)		ID Method (ADX, CD, NAM, etc.)	Mineral Class (check one)				Sketch/ Comments	EDXA. Observation (NaK,	Mineral ID (WRTA, AC, TR, AT, AM, AN, CH, CR, PY, OT, UN)	Record number of spectrum or photo if taken		Check if GO not analyzed for Chrysotile
				Primary	Total	Length	Width		LA	OA	CH	NAM				EDXA (spectrum saved)	Photo	
	A6-s	F3-4	ND															
		F3-1																
		E3-4																
		E3-1																
		C3-4																
		C3-1																
		B3-4																
		B3-1																
		K3-3																
		H3-6																
		H3-3																
		G3-6																
		G3-3																
		F3-6																
		F3-3																

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Analyst: N. DelHierro

Date: 6/4/14

TEM ASBESTOS STRUCTURE COUNT BENCH SHEET

Lab Job Number: A140122 Client Sample Number: 3R-05244 Lab Sample ID: A140122-03

GO #	Grid	Grid Opening	Structure Type (ND, F, B, CD, CB, CF, MD, etc.)	Number of Structures		Structure Dimensions (µm)		ID Method (ADX, CD, NAM, etc.)	Mineral Class (check one)				Sketch/ Comments	EDXA Observation (NaK,	Mineral ID (WRTA, AC, TR, AT, AM, AN, CH, CR, PY, OT, UN)	Record number of spectrum or photo if taken		Check if GO not analyzed for Chrysotile
				Primary	Total	Length	Width		LA	OA	CH	NAM				EDXA (spectrum saved)	Photo	
	A6-5	E3.6	ND															
		E3.3																
		C3.6																
		C3.3																
		B3.6																
		B3.3																
		A3.6																
		K4.1																
		H4.4																
		H4.1																
		G4.4																
		G4.1																
		F4.4																
		F4.1																
5		E4.4	F	1	1	8	1.5	ADX	✓					NaK	WRTA	1-WRTA	0160	

Analyst: N. DelHierro Date: 6/5/14

TEM ASBESTOS STRUCTURE COUNT BENCH SHEET

Lab Job Number: A140122 Client Sample Number: 3R-05244 Lab Sample ID: A140122-03

GO #	Grid	Grid Opening	Structure Type (ND, F, B, CD, CB, CF, MD, etc.)	Number of Structures		Structure Dimensions (µm)		ID Method (ADX, CD, NAM, etc.)	Mineral Class (check one)				Sketch/ Comments	EDXA Observation (NaK,	Mineral ID (WRTA, AC, TR, AT, AM, AN, CH, CR, PY, OT, UN)	Record number of spectrum or photo if taken		Check if GO not analyzed for Chrysotile
				Primary	Total	Length	Width		LA	OA	CH	NAM				EDXA (spectrum saved)	Photo	
	A6-5	E4-1	NO															
		C4-4																
		C4-1																
		B4-4																
		B4-1																
		A4-4																
		K4-3																
		H4-6																
		H4-3																
		G4-6																
		G4-3																
		F4-6																
		F4-3																
15		E4-6																
		E4-3																

Analyst: N. Del Hierro Date: 6/5/14

TEM ASBESTOS STRUCTURE COUNT BENCH SHEET

Lab Job Number: A140122 Client Sample Number: 3R-05244 Lab Sample ID: A140122-03

GO #	Grid	Grid Opening	Structure Type (ND, F, B, CD, CB, CF, MD, etc.)	Number of Structures		Structure Dimensions (µm)		ID Method (ADX, CD, NAM, etc.)	Mineral Class (check one)				Sketch/ Comments	EDXA Observation (NaK,	Mineral ID (WRTA, AC, TR, AT, AM, AN, CH, CR, PY, OT, UN)	Record number of spectrum or photo if taken		Check if GO not analyzed for Chrysotile
				Primary	Total	Length	Width		LA	OA	CH	NAM				EDXA (spectrum saved)	Photo	
	A6-5	C4-6	ND															
		C4-3																
		B4-6																
		B4-3																
		A4-6																
		K5-1																
		H5-4																
		H5-1																
		G5-4																
		G5-1																
		F5-4																
		F5-1																
		E5-4																
		E5-1																
		C5-4																

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Analyst: N. DelHierro Date: 6/5/14

TEM ASBESTOS STRUCTURE COUNT BENCH SHEET

Lab Job Number: A140122 Client Sample Number: 3R-05244 Lab Sample ID: A140122-03

GO #	Grid	Grid Opening	Structure Type (ND, F, B, CD, CB, CF, MD, etc.)	Number of Structures		Structure Dimensions (µm)		ID Method (ADX, CD, NAM, etc.)	Mineral Class (check one)				Sketch/ Comments	EDXA Observation (NaK,	Mineral ID (WRTA, AC, TR, AT, AM, AN, CH, CR, PY, OT, UN)	Record number of spectrum or photo if taken		Check if GO not analyzed for Chrysotile
				Primary	Total	Length	Width		LA	OA	CH	NAM				EDXA (spectrum saved)	Photo	
	A6-5	CS-1	ND															
		BS-4																
		BS-1																
		AS-4																
		HS-6																
		HS-3																
		GS-6																
		GS-3																
		FS-6																
		FS-3																
		ES-6																
		ES-3																
		CS-6																
15		CS-3																
		BS-6																

Analyst: N. DelHierro Date: 6/6/14

TEM ASBESTOS STRUCTURE COUNT BENCH SHEET

Lab Job Number: A140122 Client Sample Number: 3R-05244 Lab Sample ID: A140122-03

GO #	Grid	Grid Opening	Structure Type (ND, F, B, CD, CB, CF, MD, etc.)	Number of Structures		Structure Dimensions (µm)		ID Method (ADX, CD, NAM, etc.)	Mineral Class (check one)				Sketch/ Comments	EDXA Observation (NaK,	Mineral ID (WRTA, AC, TR, AT, AM, AN, CH, CR, PY, OT, UN)	Record number of spectrum or photo if taken		Check if GO not analyzed for Chrysotile
				Primary	Total	Length	Width		LA	OA	CH	NAM				EDXA (spectrum saved)	Photo	
	A6-S	B5-3	ND															
		H6-4																
		H6-1																
		G6-4																
		G6-1																
		F6-4																
		F6-1																
		E6-4																
		E6-1																
		C6-4																
		C6-1																
		B6-4																
		F6-6																
		F6-3																
15		E6-6																

Analyst: N. DelHierro Date: 6/6/14

TEM ASBESTOS STRUCTURE COUNT BENCH SHEET

Lab Job Number: A140122 Client Sample Number: 3R-05244 Lab Sample ID: A140122-03

GO #	Grid	Grid Opening	Structure Type (ND, F, B, CD, CB, CF, MD, etc.)	Number of Structures		Structure Dimensions (µm)		ID Method (ADX, CD, NAM, etc.)	Mineral Class (check one)				Sketch/ Comments	EDXA Observation (NaK,	Mineral ID (WRTA, AC, TR, AT, AM, AN, CH, CR, PY, OT, UN)	Record number of spectrum or photo if taken		Check if GO not analyzed for Chrysotile
				Primary	Total	Length	Width		LA	OA	CH	NAM				EDXA (spectrum saved)	Photo	
216	A6-5	E6-3	ND															
	B6-5	K2-3																
		H2-6																
		H2-3																
		G2-3																
		F2-6																
		F2-3																
		E2-6																
		E2-3																
		K3-4																
		K3-1																
		H3-4																
		H3-1																
		G3-1																
		F3-4																

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Analyst: N. DelHierro

Date: 6/6/14

TEM ASBESTOS STRUCTURE COUNT BENCH SHEET

Lab Job Number: A140122 Client Sample Number: 3R-05244 Lab Sample ID: A140122-03

GO #	Grid	Grid Opening	Structure Type (ND, F, B, CD, CB, CF, MD, etc.)	Number of Structures		Structure Dimensions (µm)		ID Method (ADX, CD, NAM, etc.)	Mineral Class (check one)				Sketch/ Comments	EDXA Observation (NaK,	Mineral ID (WRTA, AC, TR, AT, AM, AN, CH, CR, PY, OT, UN)	Record number of spectrum or photo if taken		Check if GO not analyzed for Chrysotile
				Primary	Total	Length	Width		LA	OA	CH	NAM				EDXA (spectrum saved)	Photo	
	B6-5	F3-1	ND															
		E3-4																
		E3-1																
		C3-4																
		C3-1																
		L3-3																
		H3-6																
		G3-6																
		G3-3																
		F3-6																
		F3-3																
		E3-6																
		E3-3																
		C3-6																
		C3-3																

15

Analyst: N. Del Hierro Date: 6/6/14

TEM ASBESTOS STRUCTURE COUNT BENCH SHEET

Lab Job Number: A140122 Client Sample Number: 3R-05244 Lab Sample ID: A140122-03

GO #	Grid	Grid Opening	Structure Type (ND, F, B, CD, CB, CF, MD, etc.)	Number of Structures		Structure Dimensions (µm)		ID Method (ADX, CD, NAM, etc.)	Mineral Class (check one)				Sketch/ Comments	EDXA Observation (NaK,	Mineral ID (WRTA, AC, TR, AT, AM, AN, CH, CR, PY, OT, UN)	Record number of spectrum or photo if taken		Check if GO not analyzed for Chrysotile
				Primary	Total	Length	Width		LA	OA	CH	NAM				EDXA (spectrum saved)	Photo	
	B6-5	L4-4	ND															
		L4-1																
		K4-4																
		K4-1																
		H4-4																
		H4-1																
		G4-4																
		G4-1																
		F4-4																
		F4-1																
		E4-4																
		E4-1																
		C4-4																
		C4-1																
		B4-4																

Analyst: N. DelHierro Date: 6/6/14

TEM ASBESTOS STRUCTURE COUNT BENCH SHEET

Lab Job Number: A140122 Client Sample Number: 3R-05244 Lab Sample ID: A140122-03

GO #	Grid	Grid Opening	Structure Type (ND, F, B, CD, CB, CF, MD, etc.)	Number of Structures		Structure Dimensions (µm)		ID Method (ADX, CD, NAM, etc.)	Mineral Class (check one)				Sketch/ Comments	EDXA Observation (NaK,	Mineral ID (WRTA, AC, TR, AT, AM, AN, CH, CR, PY, OT, UN)	Record number of spectrum or photo if taken		Check if GO not analyzed for Chrysotile
				Primary	Total	Length	Width		LA	OA	CH	NAM				EDXA (spectrum saved)	Photo	
	B6-5	L4-6	ND															
		L4-3																
		K4-6																
		K4-3																
		H4-6																
		H4-3																
		G4-6																
		G4-3																
		F4-3																
		F4-6																
		E4-6																
		E4-3																
		C4-6																
		C4-3																
		B4-6																

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Analyst: N. DelHierro

Date: 6/6/14

TEM ASBESTOS STRUCTURE COUNT BENCH SHEET

Lab Job Number: A140122 Client Sample Number: 3R-05244 Lab Sample ID: A140122-03

GO #	Grid	Grid Opening	Structure Type (ND, F, B, CD, CB, CF, MD, etc.)	Number of Structures		Structure Dimensions (µm)		ID Method (ADX, CD, NAM, etc.)	Mineral Class (check one)				Sketch/ Comments	EDXA Observation (NaK,	Mineral ID (WRTA, AC, TR, AT, AM, AN, CH, CR, PY, OT, UN)	Record number of spectrum or photo if taken		Check if GO not analyzed for Chrysotile
				Primary	Total	Length	Width		LA	OA	CH	NAM				EDXA (spectrum saved)	Photo	
	B6-5	L5-4	ND															
		K5-4																
		K5-1																
		H5-4																
		H5-1																
		G5-4																
		G5-1																
		F5-4																
		F5-1																
		E5-4																
		E5-1																
		C5-4																
		C5-1																
		L5-3																
		K5-6																

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Analyst: N. DelHierro

Date: 6/6/14

TEM ASBESTOS STRUCTURE COUNT BENCH SHEET

Lab Job Number: A140122 Client Sample Number: 3R-05244 Lab Sample ID: A140122-03

GO #	Grid	Grid Opening	Structure Type (ND, F, B, CD, CB, CF, MD, etc.)	Number of Structures		Structure Dimensions (µm)		ID Method (ADX, CD, NAM, etc.)	Mineral Class (check one)				Sketch/ Comments	EDXA Observation (NaK,	Mineral ID (WRTA, AC, TR, AT, AM, AN, CH, CR, PY, OT, UN)	Record number of spectrum or photo if taken		Check if GO not analyzed for Chrysotile
				Primary	Total	Length	Width		LA	OA	CH	NAM				EDXA (spectrum saved)	Photo	
	B6-5	HS-6	ND															
		HS-3																
		GS-6																
		GS-3																
		FS-6																
		FS-3																
		ES-6																
		ES-3																
		CS-6																
		CS-3																
		BS-6																
		K6-4																
		K6-1																
		H6-4																
		H6-1																

15

Analyst: N. DelHierro Date: 6/6/14

TEM ASBESTOS STRUCTURE COUNT BENCH SHEET

Lab Job Number: A140122 Client Sample Number: 3R-05244 Lab Sample ID: A140122-03

GO #	Grid	Grid Opening	Structure Type (ND, F, B, CD, CB, CF, MD, etc.)	Number of Structures		Structure Dimensions (µm)		ID Method (ADX, CD, NAM, etc.)	Mineral Class (check one)				Sketch/ Comments	EDXA Observation (NaK,	Mineral ID (WRTA, AC, TR, AT, AM, AN, CH, CR, PY, OT, UN)	Record number of spectrum or photo if taken		Check if GO not analyzed for Chrysotile
				Primary	Total	Length	Width		LA	OA	CH	NAM				EDXA (spectrum saved)	Photo	
	B6-S	G6-4	ND															
		G6-1																
		F6-4																
		F6-1																
		E6-4																
		E6-1																
		C6-4																
		H6-3																
		G6-6																
		G6-3																
		F6-6																
317		F6-3																
	A7-S	F2-1																
		E2-4																
		E2-1																

15

Analyst: N. Del Hierro

Date: 6/6/14

TEM ASBESTOS STRUCTURE COUNT BENCH SHEET

Lab Job Number: A140122 Client Sample Number: 3R-05244 Lab Sample ID: A140122-03

GO #	Grid	Grid Opening	Structure Type (ND, F, B, CD, CB, CF, MD, etc.)	Number of Structures		Structure Dimensions (µm)		ID Method (ADX, CD, NAM, etc.)	Mineral Class (check one)				Sketch/ Comments	EDXA Observation (NaK,	Mineral ID (WRTA, AC, TR, AT, AM, AN, CH, CR, PY, OT, UN)	Record number of spectrum or photo if taken		Check if GO not analyzed for Chrysotile
				Primary	Total	Length	Width		LA	OA	CH	NAM				EDXA (spectrum saved)	Photo	
	A7-5	H2-6	ND															
		H2-3																
		G2-6																
		G2-3																
		F2-6																
		F2-3																
		E2-6																
		E2-3																
		C2-6																
		C2-3																
		B2-6																
		H3-4																
		H3-1																
		G3-4																
		G3-1																

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Analyst: N. Del Hierro Date: 6/6/14

TEM ASBESTOS STRUCTURE COUNT BENCH SHEET

Lab Job Number: A140122 Client Sample Number: 3R-05244 Lab Sample ID: A140122-03

GO #	Grid	Grid Opening	Structure Type (ND, F, B, CD, CB, CF, MD, etc.)	Number of Structures		Structure Dimensions (µm)		ID Method (ADX, CD, NAM, etc.)	Mineral Class (check one)				Sketch/ Comments	EDXA Observation (NaK,	Mineral ID (WRTA, AC, TR, AT, AM, AN, CH, CR, PY, OT, UN)	Record number of spectrum or photo if taken		Check if GO not analyzed for Chrysotile
				Primary	Total	Length	Width		LA	OA	CH	NAM				EDXA (spectrum saved)	Photo	
	A7-S	F3-4	ND															
		F3-1																
		E3-4																
		E3-1																
		C3-4																
		C3-1																
		B3-4																
		B3-1																
		K3-3																
		H3-6																
		H3-3																
		G3-6																
		G3-3																
		F3-6																
		F3-3																

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Analyst: N. Del Hierro Date: 6/6/14

TEM ASBESTOS STRUCTURE COUNT BENCH SHEET

Lab Job Number: A140122 Client Sample Number: 3R-05244 Lab Sample ID: A140122-03

GO #	Grid	Grid Opening	Structure Type (ND, F, B, CD, CB, CF, MD, etc.)	Number of Structures		Structure Dimensions (µm)		ID Method (ADX, CD, NAM, etc.)	Mineral Class (check one)				Sketch/ Comments	EDXA Observation (NaK,	Mineral ID (WRTA, AC, TR, AT, AM, AN, CH, CR, PY, OT, UN)	Record number of spectrum or photo if taken		Check if GO not analyzed for Chrysotile
				Primary	Total	Length	Width		LA	OA	CH	NAM				EDXA (spectrum saved)	Photo	
	A7-S	E3-6	NO															
		E3-3																
		C3-6																
		C3-3																
		B3-6																
		B3-3																
		A3-6																
		K4-1																
		H4-4																
		H4-1																
		G4-4																
		G4-1																
		F4-4																
		F4-1																
		E4-4																

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Analyst: N. DelHierro Date: 6/6/14

TEM ASBESTOS STRUCTURE COUNT BENCH SHEET

Lab Job Number: A140122 Client Sample Number: 3R-05244 Lab Sample ID: A140122-03

GO #	Grid	Grid Opening	Structure Type (ND, F, B, CD, CB, CF, MD, etc.)	Number of Structures		Structure Dimensions (µm)		ID Method (ADX, CD, NAM, etc.)	Mineral Class (check one)				Sketch/ Comments	EDXA Observation (NaK,	Mineral ID (WRTA, AC, TR, AT, AM, AN, CH, CR, PY, OT, UN)	Record number of spectrum or photo if taken		Check if GO not analyzed for Chrysotile
				Primary	Total	Length	Width		LA	OA	CH	NAM				EDXA (spectrum saved)	Photo	
	A7-5	E4-1	ND															
		C4-4																
		C4-1																
		B4-4																
		B4-1																
		A4-4																
		A4-1																
		K4-3																
		H4-6	F	2	2	6.8	0.3	ADX	✓					NaK	WRTA	2-WRTA		
		H4-3	ND															
		G4-6																
		G4-3																
		F4-6																
		F4-3																
		E4-6																

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Analyst: N. DelHierro

Date: 6/6/14

TEM ASBESTOS STRUCTURE COUNT BENCH SHEET

Lab Job Number: A140122 Client Sample Number: 3R-05244 Lab Sample ID: A140122-03

GO #	Grid	Grid Opening	Structure Type (ND, F, B, CD, CB, CF, MD, etc.)	Number of Structures		Structure Dimensions (µm)		ID Method (ADX, CD, NAM, etc.)	Mineral Class (check one)				Sketch/ Comments	EDXA Observation (NaK,	Mineral ID (WRTA, AC, TR, AT, AM, AN, CH, CR, PY, OT, UN)	Record number of spectrum or photo if taken		Check if GO not analyzed for Chrysotile
				Primary	Total	Length	Width		LA	OA	CH	NAM				EDXA (spectrum saved)	Photo	
	A7-5	E4-3	NO															
		C4-6																
		C4-3																
		B4-6																
		B4-3																
		A4-6																
		A4-3																
		KS-1																
		HS-4																
		HS-1																
		GS-4																
		GS-1																
		FS-4																
		FS-1																
		ES-4																

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Analyst: N. DelHierro Date: 6/6/14

TEM ASBESTOS STRUCTURE COUNT BENCH SHEET

Lab Job Number: A140122 Client Sample Number: 3R-05244 Lab Sample ID: A140122-03

GO #	Grid	Grid Opening	Structure Type (ND, F, B, CD, CB, CF, MD, etc.)	Number of Structures		Structure Dimensions (µm)		ID Method (ADX, CD, NAM, etc.)	Mineral Class (check one)				Sketch/ Comments	EDXA Observation (NaK,	Mineral ID (WRTA, AC, TR, AT, AM, AN, CH, CR, PY, OT, UN)	Record number of spectrum or photo if taken		Check if GO not analyzed for Chrysotile
				Primary	Total	Length	Width		LA	OA	CH	NAM				EDXA (spectrum saved)	Photo	
	A7-5	E5-1	ND															
		C5-4																
		C5-1																
		B5-4																
		B5-1																
		A5-4																
		H5-6																
		H5-3																
		G5-6																
		G5-3																
		F5-6																
		F5-3																
		E5-6																
		E5-3																
		C5-6																

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Analyst: N. Del Hierro Date: 6/9/14

TEM ASBESTOS STRUCTURE COUNT BENCH SHEET

Lab Job Number: A140122 Client Sample Number: 3R-05244 Lab Sample ID: A140122-03

GO #	Grid	Grid Opening	Structure Type (ND, F, B, CD, CB, CF, MD, etc.)	Number of Structures		Structure Dimensions (µm)		ID Method (ADX, CD, NAM, etc.)	Mineral Class (check one)				Sketch/ Comments	EDXA Observation (NaK,	Mineral ID (WRTA, AC, TR, AT, AM, AN, CH, CR, PY, OT, UN)	Record number of spectrum or photo if taken		Check if GO not analyzed for Chrysotile
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	A7-5	C5-3	ND															
		B5-6																
		B5-3																
		H6-1																
		G6-4																
		G6-1																
		F6-4																
		F6-1																
		E6-4																
		E6-1																
		C6-4																
		C6-1																
		B6-4																
		B6-1																
		F6-6																

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Analyst: N. Del Hierro

Date: 6/9/14

TEM ASBESTOS STRUCTURE COUNT BENCH SHEET

Lab Job Number: A140122 Client Sample Number: 3R-05244 Lab Sample ID: A140122-03

GO #	Grid	Grid Opening	Structure Type (ND, F, B, CD, CB, CF, MD, etc.)	Number of Structures		Structure Dimensions (µm)		ID Method (ADX, CD, NAM, etc.)	Mineral Class (check one)				Sketch/ Comments	EDXA Observation (NaK,	Mineral ID (WRTA, AC, TR, AT, AM, AN, CH, CR, PY, OT, UN)	Record number of spectrum or photo if taken		Check if GO not analyzed for Chrysotile
				Primary	Total	Length	Width		LA	OA	CH	NAM				EDXA (spectrum saved)	Photo	
	A7-5	F6-3	ND															
		E6-6																
		E6-3																
		C6-6																
	B7-5	K2-3																
		H2-6																
		H2-3																
		G2-6																
		G2-3																
		F2-6																
		F2-3																
		E2-6																
		E2-3																
		C2-6																
		K3-4																

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Analyst: N. DelHierro Date: 6/9/14

TEM ASBESTOS STRUCTURE COUNT BENCH SHEET

Lab Job Number: A140122 Client Sample Number: 3R-05244 Lab Sample ID: A140122-03

GO #	Grid	Grid Opening	Structure Type (ND, F, B, CD, CB, CF, MD, etc.)	Number of Structures		Structure Dimensions (µm)		ID Method (ADX, CD, NAM, etc.)	Mineral Class (check one)				Sketch/ Comments	EDXA Observation (NaK,	Mineral ID (WRTA, AC, TR, AT, AM, AN, CH, CR, PY, OT, UN)	Record number of spectrum or photo if taken		Check if GO not analyzed for Chrysotile
				Primary	Total	Length	Width		LA	OA	CH	NAM				EDXA (spectrum saved)	Photo	
	B7-5	K3-1	ND															
		H3-4																
		H3-1																
		G3-4																
		G3-1																
		f3-4																
		f3-1																
		E3-4																
		E3-1																
		C3-4																
		C3-1																
		K3-6																
		K3-3																
		H3-6																
		H3-3																

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Analyst: N. DelHierro Date: 6/9/14

TEM ASBESTOS STRUCTURE COUNT BENCH SHEET

Lab Job Number: A140122 Client Sample Number: 3R-05244 Lab Sample ID: A140122-03

GO #	Grid	Grid Opening	Structure Type (ND, F, B, CD, CB, CF, MD, etc.)	Number of Structures		Structure Dimensions (µm)		ID Method (ADX, CD, NAM, etc.)	Mineral Class (check one)				Sketch/ Comments	EDXA Observation (NaK,	Mineral ID (WRTA, AC, TR, AT, AM, AN, CH, CR, PY, OT, UN)	Record number of spectrum or photo if taken		Check if GO not analyzed for Chrysotile
				Primary	Total	Length	Width		LA	OA	CH	NAM				EDXA (spectrum saved)	Photo	
	B7-5	G3-6	ND															
		G3-3																
		F3-6																
		F3-3																
		E3-6																
		E3-3																
		C3-6																
		C3-3																
		L4-1																
		K4-4																
		K4-1																
		H4-4																
		H4-1																
		G4-4																
		G4-1																
		15																

Analyst: N. DelHierro Date: 6/9/14

TEM ASBESTOS STRUCTURE COUNT BENCH SHEET

Lab Job Number: A140122 Client Sample Number: 3R-05244 Lab Sample ID: A140122-03

GO #	Grid	Grid Opening	Structure Type (ND, F, B, CD, CB, CF, MD, etc.)	Number of Structures		Structure Dimensions (µm)		ID Method (ADX, CD, NAM, etc.)	Mineral Class (check one)				Sketch/ Comments	EDXA Observation (NaK,	Mineral ID (WRTA, AC, TR, AT, AM, AN, CH, CR, PY, OT, UN)	Record number of spectrum or photo if taken		Check if GO not analyzed for Chrysotile
				Primary	Total	Length	Width		LA	OA	CH	NAM				EDXA (spectrum saved)	Photo	
	B7-S	F4-4	ND															
		F4-1																
		E4-4																
		E4-1																
		C4-4																
		L4-3																
		K4-6																
		K4-3																
		H4-6																
		H4-3																
		G4-6																
		G4-3																
		F4-6																
		F4-3																
		E4-6																

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Analyst: N. DelHierro

Date: 6/9/14

TEM ASBESTOS STRUCTURE COUNT BENCH SHEET

Lab Job Number: A140122 Client Sample Number: 3R-05244 Lab Sample ID: A140122-03

GO #	Grid	Grid Opening	Structure Type (ND, F, B, CD, CB, CF, MD, etc.)	Number of Structures		Structure Dimensions (µm)		ID Method (ADX, CD, NAM, etc.)	Mineral Class (check one)				Sketch/ Comments	EDXA Observation (NaK,	Mineral ID (WRTA, AC, TR, AT, AM, AN, CH, CR, PY, OT, UN)	Record number of spectrum or photo if taken		Check if GO not analyzed for Chrysotile
				Primary	Total	Length	Width		LA	OA	CH	NAM				EDXA (spectrum saved)	Photo	
	B7-5	E4-3	ND															
		C4-6																
		C4-3																
		B4-6																
		L5-1																
		K5-4																
		K5-1																
		H5-4																
		H5-1																
		G5-4																
		G5-1																
		F5-4																
		F5-1																
		E5-4																
500		E5-1																

15

Analyst: N. DelHierro Date: 6/9/14

TEM ASBESTOS STRUCTURE COUNT BENCH SHEET

Laboratory Name	ESATR8
Site or Project Name	Libby 08BC
Client	USEPA Region 8
Chain of Custody Number	22499
Lab Job Number	A140122
Lab Sample ID	A140122-04
Client Sample Number	3R-05245
Tag	AL1
Lab Receipt Date	05/20/2014
Analysis Method	TEM-ISO
Sample Matrix	Air
Sample Type (field, blank, etc.)	Field Sample
QC Type	Not QC
Analysis Status	Analyzed
Prepared By	R. Pescador/EMSL 27
Preparation Date	07/20/2012
Volume (L) or Area (cm²)	1233

Circle Prep Type: Direct Indirect Indirect-Ashed	
Loose Material in cowl?	Y N
Est. Filter Particulate Loading (%)	25
Instrument	JEOL JEM-1011 (C24)
Voltage (kV)	100
Magnification (X)	5,000
Primary Filter Area (mm²)	385
Primary Filter Pore Size (µm)	0.8
Sec Filter Area (mm²)	360
Sec Filter Pore Size (µm)	0.2
Grid Opening Area (mm²)	0.0099
Number of Grids Prepared	6
Archive Filter(s) Location	ESATR8
Grid Storage Location	ESATR8
Grid Box	A56
Grid Slots	A8-S, B8-S, A9-S, B9-S, C9-S, A10-S
Filter Type	MCE

Minimum Aspect Ratio	3:1
Minimum Length (µm)	>5
Minimum Width (µm)	0.25
Max # LA Structures	25
Max # Grid Openings	500
Target Analytical Sensitivity	-
# of GO's to Reach Target AS	-
GO Traverse Direction (V or H)	H
GO Orientation (Sketch letter F)	F,F,F,F,F

F-Factor Calculation (if applicable)

Indirect Fraction Primary Filter	0.5
Analysis Aliquot 1 (mL)	50
Analysis Volume 1 (ml)	100
Indirect Fraction Secondary Filter	
Analysis Aliquot 2 (mL)	
Analysis Volume 2 (mL)	
Analysis Aliquot 3 (mL)	
Analysis Volume 3 (mL)	
F-Factor	0.25

Lab Comments: Grid prep by N. DelHierro on 05/29/14

Grid Prep Acceptable? Y or N (explain): Y

GO #	Grid	Grid Opening	Structure Type (ND, F, B, CD, CB, CF, MD, etc.)	Number of Structures: Primary	Number of Structures: Total	Structure Dimensions (µm): Length	Structure Dimensions (µm): Width	ID Method (ADX, CD, NAM, etc.)	Mineral Class (check one): LA	OA	CH	NAM	Sketch/ Comments	EDXA Observation (NaK,	Mineral ID (WRTA, AC, TR, AT, AM, AN, CH, CR, PY, OT, UN)	Record number of spectrum or photo if taken: EDXA (spectrum saved)	Photo	Check if GO not analyzed for Chrysotile
1	A8-S	B2-6	ND															
		B3-1																
		B3-3																
		B3-4																
5		B3-6																

5

Analyst: D. Kent

2/500

Date: 06/09/14

AC

TEM ASBESTOS STRUCTURE COUNT BENCH SHEET

Lab Job Number: A140122 Client Sample Number: 3R-05245 Lab Sample ID: A140122-04

GO #	Grid	Grid Opening	Structure Type (ND, F, B, CD, CB, CF, MD, etc.)	Number of Structures		Structure Dimensions (µm)		ID Method (ADX, CD, NAM, etc.)	Mineral Class (check one)				Sketch/ Comments	EDXA Observation (NaK, -	Mineral ID (WRTA, AC, TR, AT, AM, AN, CH, CR, PY, OT, UN)	Record number of spectrum or photo if taken		Check if GO not analyzed for Chrysotile
				Primary	Total	Length	Width		LA	OA	CH	NAM				EDXA (spectrum saved)	Photo	
	A8-5	B4-1	ND															
		B4-3																
		B4-4																
		B4-6																
		B5-1																
		B5-4																
		C2-3																
		C2-4																
		C2-6																
		C3-1																
		C3-3																
		C3-4																
		C3-6																
		C4-1																
20		C4-3																

Analyst: D. Kent

Date: 06/09/14

TEM ASBESTOS STRUCTURE COUNT BENCH SHEET

Lab Job Number: A140122 Client Sample Number: 3R-05245 Lab Sample ID: A140122-04

GO #	Grid	Grid Opening	Structure Type (ND, F, B, CD, CB, CF, MD, etc.)	Number of Structures		Structure Dimensions (µm)		ID Method (ADX, CD, NAM, etc.)	Mineral Class (check one)				Sketch/ Comments	EDXA Observation (NaK,	Mineral ID (WRTA, AC, TR, AT, AM, AN, CH, CR, PY, OT, UN)	Record number of spectrum or photo if taken		Check if GO not analyzed for Chrysotile
				Primary	Total	Length	Width		LA	OA	CH	NAM				EDXA (spectrum saved)	Photo	
	A8-5	C4-4	ND															
		C4-6	F	0	0	9	0.5	NAM				X		NaK	UN	NAM-1		
		C5-1	ND															
		C5-3																
		C5-4																
		C5-6																
		C6-4																
		E1-6																
		E2-1																
		E2-3																
		E2-4																
		E2-6																
		E3-1																
		E3-3																
35		E3-4																

15

Analyst: D. Kent

Date: 06/09/14

TEM ASBESTOS STRUCTURE COUNT BENCH SHEET

Lab Job Number: A140122 Client Sample Number: 3R-05245 Lab Sample ID: A140122-04

GO #	Grid	Grid Opening	Structure Type (ND, F, B, CD, CB, CF, MD, etc.)	Number of Structures		Structure Dimensions (µm)		ID Method (ADX, CD, NAM, etc.)	Mineral Class (check one)				Sketch/ Comments	EDXA Observati on (NaK,	Mineral ID (WRTA, AC, TR, AT, AM, AN, CH, CR, PY, OT, UN)	Record number of spectrum or photo if taken		Check if GO not analyzed for Chrysotile
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		E4-3																
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		E5-1																
		E5-3																
		E5-4																
		E5-6																
		E6-1																
		E6-4																
		F1-3																
		F1-6																
DK 6/9/14 50		~~F1~~ F2-1																
		F2-3																

Analyst: D. Kent

Date: 06/09/14

TEM ASBESTOS STRUCTURE COUNT BENCH SHEET

Lab Job Number: A140122 Client Sample Number: 3R-05245 Lab Sample ID: A140122-04

GO #	Grid	Grid Opening	Structure Type (ND, F, B, CD, CB, CF, MD, etc.)	Number of Structures		Structure Dimensions (µm)		ID Method (ADX, CD, NAM, etc.)	Mineral Class (check one)				Sketch/ Comments	EDXA Observation (NaK,	Mineral ID (WRTA, AC, TR, AT, AM, AN, CH, CR, PY, OT, UN)	Record number of spectrum or photo if taken		Check if GO not analyzed for Chrysotile
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	A8-5	F2-4	ND															
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		F3-1																
		F3-3																
		F3-4																
		F3-6																
		F4-1																
		F4-3																
		F4-4																
		F4-6																
		F5-1																
		F5-3																
		F5-4																
		F5-6																
65		F6-1																

15

Analyst: D. Kent

Date: 06/09/14

TEM ASBESTOS STRUCTURE COUNT BENCH SHEET

Lab Job Number: A140122 Client Sample Number: 3R-05245 Lab Sample ID: A140122-04

GO #	Grid	Grid Opening	Structure Type (ND, F, B, CD, CB, CF, MD, etc.)	Number of Structures		Structure Dimensions (µm)		ID Method (ADX, CD, NAM, etc.)	Mineral Class (check one)				Sketch/ Comments	EDXA Observation (NaK,	Mineral ID (WRTA, AC, TR, AT, AM, AN, CH, CR, PY, OT, UN)	Record number of spectrum or photo if taken		Check if GO not analyzed for Chrysotile
				Primary	Total	Length	Width		LA	OA	CH	NAM				EDXA (spectrum saved)	Photo	
	A8-5	F6-4	ND															
		G2-1																
		G2-3																
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		G3-3																
		G3-4																
		G3-6																
		G4-1																
		G4-3																
		G4-4																
		G4-6																
		G5-1																
80		G5-3																

Analyst: D. Kent

Date: 06/09/14

TEM ASBESTOS STRUCTURE COUNT BENCH SHEET

Lab Job Number: A140122 Client Sample Number: 3R-05245 Lab Sample ID: A140122-04

GO #	Grid	Grid Opening	Structure Type (ND, F, B, CD, CB, CF, MD, etc.)	Number of Structures		Structure Dimensions (µm)		ID Method (ADX, CD, NAM, etc.)	Mineral Class (check one)				Sketch/ Comments	EDXA Observation (NaK,	Mineral ID (WRTA, AC, TR, AT, AM, AN, CH, CR, PY, OT, UN)	Record number of spectrum or photo if taken		Check if GO not analyzed for Chrysotile
				Primary	Total	Length	Width		LA	OA	CH	NAM				EDXA (spectrum saved)	Photo	
	A8-5	G5-4	ND															
		G5-6																
		G6-1																
		G6-4																
		H2-1																
		H2-3																
		H2-6																
		H3-1																
		H3-3																
		H3-4																
		H3-6																
		H4-1																
		H4-3																
		H4-4																
95		H4-6																

15

Analyst: D. Kent

Date: 06/09/14

TEM ASBESTOS STRUCTURE COUNT BENCH SHEET

Lab Job Number: A140122 Client Sample Number: 3R-05245 Lab Sample ID: A140122-04

GO #	Grid	Grid Opening	Structure Type (ND, F, B, CD, CB, CF, MD, etc.)	Number of Structures		Structure Dimensions (µm)		ID Method (ADX, CD, NAM, etc.)	Mineral Class (check one)				Sketch/ Comments	EDXA Observati on (NaK,	Mineral ID (WRTA, AC, TR, AT, AM, AN, CH, CR, PY, OT, UN)	Record number of spectrum or photo if taken		Check if GO not analyzed for Chrysotile
				Primary	Total	Length	Width		LA	OA	CH	NAM				EDXA (spectrum saved)	Photo	
	A8-5	H5-1	ND															
		H5-3																
		H5-4																
		H5-6																
		H6-1																
		K2-3																
		K3-1																
		K3-3																
		K3-4																
		K3-6																
		K4-1																
		K4-3																
		K4-4																
		K4-6																
110		K5-1																

Analyst: D. Kent

Date: 06/09/14

TEM ASBESTOS STRUCTURE COUNT BENCH SHEET

Lab Job Number: A140122 Client Sample Number: 3R-05245 Lab Sample ID: A140122-04

GO #	Grid	Grid Opening	Structure Type (ND, F, B, CD, CB, CF, MD, etc.)	Number of Structures		Structure Dimensions (µm)		ID Method (ADX, CD, NAM, etc.)	Mineral Class (check one)				Sketch/ Comments	EDXA Observati on (NaK,	Mineral ID (WRTA, AC, TR, AT, AM, AN, CH, CR, PY, OT, UN)	Record number of spectrum or photo if taken		Check if GO not analyzed for Chrysotile
				Primary	Total	Length	Width		LA	OA	CH	NAM				EDXA (spectrum saved)	Photo	
	A8-5	K5-4	ND															
	B8-5	A4-4																
		A4-6																
		A5-4																
		B2-6																
		B3-1																
		B3-3																
		B3-4																
		B3-6																
		B4-1																
		B4-3																
		B4-4																
		B4-6																
		B5-1																
125		B5-3																

15

Analyst: D. Kent

Date: 06/09/14

TEM ASBESTOS STRUCTURE COUNT BENCH SHEET

Lab Job Number: A140122 Client Sample Number: 3R-05245 Lab Sample ID: A140122-04

GO #	Grid	Grid Opening	Structure Type (ND, F, B, CD, CB, CF, MD, etc.)	Number of Structures		Structure Dimensions (µm)		ID Method (ADX, CD, NAM, etc.)	Mineral Class (check one)				Sketch/ Comments	EDXA Observation (NaK,	Mineral ID (WRTA, AC, TR, AT, AM, AN, CH, CR, PY, OT, UN)	Record number of spectrum or photo if taken		Check if GO not analyzed for Chrysotile
				Primary	Total	Length	Width		LA	OA	CH	NAM				EDXA (spectrum saved)	Photo	
	B8-S	B5-4	ND															
		B5-6																
		B6-4																
		C2-3																
		C2-6																
		C3-1																
		C3-3																
		C3-4																
		C3-6																
		C4-1																
		C4-3																
		C4-4																
		C4-6																
		C5-1																
140		C5-3																

Analyst: D. 'S Kent

Date: 06/09/14

TEM ASBESTOS STRUCTURE COUNT BENCH SHEET

Lab Job Number: A140122 Client Sample Number: 3R-05245 Lab Sample ID: A140122-04

GO #	Grid	Grid Opening	Structure Type (ND, F, B, CD, CB, CF, MD, etc.)	Number of Structures		Structure Dimensions (µm)		ID Method (ADX, CD, NAM, etc.)	Mineral Class (check one)				Sketch/ Comments	EDXA Observati on (NaK,	Mineral ID (WRTA, AC, TR, AT, AM, AN, CH, CR, PY, OT, UN)	Record number of spectrum or photo if taken		Check if GO not analyzed for Chrysotile
				Primary	Total	Length	Width		LA	OA	CH	NAM				EDXA (spectrum saved)	Photo	
	B8-5	C5-4	ND															
		C5-6																
		C6-1																
		C6-4																
		C6-6																
		E2-3																
		E2-6																
		E3-1																
		E3-3																
		E3-4																
		E3-6																
		E4-1																
		E4-3																
		E4-4																
155		E4-6																

Analyst: D. Kent

Date: 06/09/14

TEM ASBESTOS STRUCTURE COUNT BENCH SHEET

Lab Job Number: A140122 Client Sample Number: 3R-05245 Lab Sample ID: A140122-04

GO #	Grid	Grid Opening	Structure Type (ND, F, B, CD, CB, CF, MD, etc.)	Number of Structures		Structure Dimensions (µm)		ID Method (ADX, CD, NAM, etc.)	Mineral Class (check one)				Sketch/ Comments	EDXA Observati on (NaK,	Mineral ID (WRTA, AC, TR, AT, AM, AN, CH, CR, PY, OT, UN)	Record number of spectrum or photo if taken		Check If GO not analyzed for Chrysotile
				Primary	Total	Length	Width		LA	OA	CH	NAM				EDXA (spectrum saved)	Photo	
156	B8-S	E5-1	ND															
		E5-3																
		E5-4																
		E5-6																
		E6-1																
		E6-3																
		E6-4																
		E6-6																
		F2-3	ND															
		F2-6																
		F3-1																
		F3-3																
		F3-4																
		F3-6																
170		F4-1																

Analyst: D. Kent

Date: 06/09/14

TEM ASBESTOS STRUCTURE COUNT BENCH SHEET

Lab Job Number: A140122 Client Sample Number: 3R-05245 Lab Sample ID: A140122-04

GO #	Grid	Grid Opening	Structure Type (ND, F, B, CD, CB, CF, MD, etc.)	Number of Structures		Structure Dimensions (µm)		ID Method (ADX, CD, NAM, etc.)	Mineral Class (check one)				Sketch/ Comments	EDXA Observation (NaK,	Mineral ID (WRTA, AC, TR, AT, AM, AN, CH, CR, PY, OT, UN)	Record number of spectrum or photo if taken		Check if GO not analyzed for Chrysotile
				Primary	Total	Length	Width		LA	OA	CH	NAM				EDXA (spectrum saved)	Photo	
	B8-5	F4-3	ND															
		F4-4																
		F4-6																
		F5-1																
		F5-3																
		F5-4																
		F5-6																
		F6-1																
		F6-3																
		F6-4	F	1	1	6	0.4	ADX	X					NaK	WRTA	1-WRTA	162	
		F6-6	ND															
		G2-3																
		G2-6																
		G3-1																
185		G3-3																

Analyst: D.'15 Kent

Date: 06/10/14

TEM ASBESTOS STRUCTURE COUNT BENCH SHEET

Lab Job Number: A140122 Client Sample Number: 3R-05245 Lab Sample ID: A140122-04

GO #	Grid	Grid Opening	Structure Type (ND, F, B, CD, CB, CF, MD, etc.)	Number of Structures		Structure Dimensions (µm)		ID Method (ADX, CD, NAM, etc.)	Mineral Class (check one)				Sketch/ Comments	EDXA Observati on (NaK,	Mineral ID (WRTA, AC, TR, AT, AM, AN, CH, CR, PY, OT, UN)	Record number of spectrum or photo if taken		Check if GO not analyzed for Chrysotile
				Primary	Total	Length	Width		LA	OA	CH	NAM				EDXA (spectrum saved)	Photo	
	B8-5	G3-4	ND															
		G3-6																
		G4-1																
		G4-3																
		G4-4																
		G4-6																
		G5-1																
		G5-3																
		G5-4																
		G5-6																
		G6-1																
		G6-3																
		G6-4																
		G6-6																
20		H2-3																

Analyst: D. Kent

Date: 06/10/14

TEM ASBESTOS STRUCTURE COUNT BENCH SHEET

Lab Job Number: A140122 Client Sample Number: 3R-05245 Lab Sample ID: A140122-04

GO #	Grid	Grid Opening	Structure Type (ND, F, B, CD, CB, CF, MD, etc.)	Number of Structures		Structure Dimensions (µm)		ID Method (ADX, CD, NAM, etc.)	Mineral Class (check one)				Sketch/ Comments	EDXA Observati on (NaK,	Mineral ID (WRTA, AC, TR, AT, AM, AN, CH, CR, PY, OT, UN)	Record number of spectrum or photo if taken		Check if GO not analyzed for Chrysotile
				Primary	Total	Length	Width		LA	OA	CH	NAM				EDXA (spectrum saved)	Photo	
	BS-5	H3-1	ND															
		H3-3																
		H3-4																
		H3-6																
		H4-1																
		H4-3																
		H4-4																
		H4-6																
		H5-1																
		H5-3																
		H5-4																
		H5-6																
		H6-1																
		H6-4																
		K3-3																

15

Analyst: D. Kent

Date: 06/10/14

TEM ASBESTOS STRUCTURE COUNT BENCH SHEET

Lab Job Number: A140122 Client Sample Number: 3R-05245 Lab Sample ID: A140122-04

GO #	Grid	Grid Opening	Structure Type (ND, F, B, CD, CB, CF, MD, etc.)	Number of Structures		Structure Dimensions (µm)		ID Method (ADX, CD, NAM, etc.)	Mineral Class (check one)				Sketch/ Comments	EDXA Observation (NaK,	Mineral ID (WRTA, AC, TR, AT, AM, AN, CH, CR, PY, OT, UN)	Record number of spectrum or photo if taken		Check if GO not analyzed for Chrysotile
				Primary	Total	Length	Width		LA	OA	CH	NAM				EDXA (spectrum saved)	Photo	
	B8-5	K4-1	ND															
		K4-3																
218		K5-1																
	A9-5	B2-6	ND															
		B3-3																
		B3-4																
		B3-6																
		B4-1																
		B4-3																
		B4-4																
		B4-6																
		B5-1																
		B5-4																
		C2-3																
230		C2-4																

15

Analyst: D. Kent

Date: 06/10/14

TEM ASBESTOS STRUCTURE COUNT BENCH SHEET

Lab Job Number: A140122 Client Sample Number: 3R-05245 Lab Sample ID: A140122-04

GO #	Grid	Grid Opening	Structure Type (ND, F, B, CD, CB, CF, MD, etc.)	Number of Structures		Structure Dimensions (µm)		ID Method (ADX, CD, NAM, etc.)	Mineral Class (check one)				Sketch/ Comments	EDXA Observation (NaK,	Mineral ID (WRTA, AC, TR, AT, AM, AN, CH, CR, PY, OT, UN)	Record number of spectrum or photo if taken		Check If GO not analyzed for Chrysotile
				Primary	Total	Length	Width		LA	OA	CH	NAM				EDXA (spectrum saved)	Photo	
	A9-5	C2-6	ND															
		C3-1																
		C3-3																
		C3-4																
		C3-6																
		C4-1																
		C4-3																
		C4-4																
		C4-6																
		C5-1																
		C5-3																
		C5-4																
		C5-6																
		C6-4																
245		E2-1																

Analyst: D. Kent

Date: 06/10/14

TEM ASBESTOS STRUCTURE COUNT BENCH SHEET

Lab Job Number: A140122 Client Sample Number: 3R-05245 Lab Sample ID: A140122-04

GO #	Grid	Grid Opening	Structure Type (ND, F, B, CD, CB, CF, MD, etc.)	Number of Structures		Structure Dimensions (µm)		ID Method (ADX, CD, NAM, etc.)	Mineral Class (check one)				Sketch/ Comments	EDXA Observation (NaK,	Mineral ID (WRTA, AC, TR, AT, AM, AN, CH, CR, PY, OT, UN)	Record number of spectrum or photo if taken		Check If GO not analyzed for Chrysotile
				Primary	Total	Length	Width		LA	OA	CH	NAM				EDXA (spectrum saved)	Photo	
	A9-5	E2-3	ND															
		E2-4																
		E2-6																
		E3-1																
		E3-3																
		E3-4																
		E3-6																
		E4-1																
		E4-3																
		E4-4																
		E4-6																
		E5-1																
		E5-3																
		E5-4																
260		E5-6																

Analyst: D. S. Kent

Date: 06/10/14

TEM ASBESTOS STRUCTURE COUNT BENCH SHEET

Lab Job Number: A140122 Client Sample Number: 3R-05245 Lab Sample ID: A140122-04

GO #	Grid	Grid Opening	Structure Type (ND, F, B, CD, CB, CF, MD, etc.)	Number of Structures		Structure Dimensions (µm)		ID Method (ADX, CD, NAM, etc.)	Mineral Class (check one)				Sketch/ Comments	EDXA Observati on (NaK,	Mineral ID (WRTA, AC, TR, AT, AM, AN, CH, CR, PY, OT, UN)	Record number of spectrum or photo if taken		Check if GO not analyzed for Chrysotile
				Primary	Total	Length	Width		LA	OA	CH	NAM				EDXA (spectrum saved)	Photo	
	A9-5	E6-1	ND															
		E6-4																
		F1-3																
		F1-6																
		F2-1																
		F2-3																
		F2-4																
		F2-6																
		F3-1																
		F3-3																
		F3-4																
		F3-6																
		F4-1																
		F4-3																
275		F4-4																

Analyst: D. Kent

Date: 06/10/14

TEM ASBESTOS STRUCTURE COUNT BENCH SHEET

Lab Job Number: A140122 Client Sample Number: 3R-05245 Lab Sample ID: A140122-04

GO #	Grid	Grid Opening	Structure Type (ND, F, B, CD, CB, CF, MD, etc.)	Number of Structures		Structure Dimensions (µm)		ID Method (ADX, CD, NAM, etc.)	Mineral Class (check one)				Sketch/ Comments	EDXA Observation (NaK,	Mineral ID (WRTA, AC, TR, AT, AM, AN, CH, CR, PY, OT, UN)	Record number of spectrum or photo if taken		Check if GO not analyzed for Chrysotile
				Primary	Total	Length	Width		LA	OA	CH	NAM				EDXA (spectrum saved)	Photo	
	A9-5	F4-6	ND															
		F5-1																
		F5-3																
		F5-4																
		F6-1																
		F6-4																
		G2-1																
		G2-3																
		G2-4																
		G2-6																
		G3-1																
		G3-3																
		G3-4																
		G3-6																
290		G4-3																

Analyst: D. 15 Kent

Date: 06/10/14

TEM ASBESTOS STRUCTURE COUNT BENCH SHEET

Lab Job Number: A140122 Client Sample Number: 3R-05245 Lab Sample ID: A140122-04

GO #	Grid	Grid Opening	Structure Type (ND, F, B, CD, CB, CF, MD, etc.)	Number of Structures		Structure Dimensions (µm)		ID Method (ADX, CD, NAM, etc.)	Mineral Class (check one)				Sketch/ Comments	EDXA Observati on (NaK,	Mineral ID (WRTA, AC, TR, AT, AM, AN, CH, CR, PY, OT, UN)	Record number of spectrum or photo if taken		Check if GO not analyzed for Chrysotile
				Primary	Total	Length	Width		LA	OA	CH	NAM				EDXA (spectrum saved)	Photo	
	A9-5	G4-4	ND															
		G4-6																
		G5-1																
		G5-3																
		G5-4																
		G5-6																
		G6-1																
		G6-4																
		H2-1																
		H2-3																
		H2-6																
		H3-1																
		H3-3																
		H3-4																
305		H3-6																

Analyst: D. Kent

Date: 06/10/14

TEM ASBESTOS STRUCTURE COUNT BENCH SHEET

Lab Job Number: A140122 Client Sample Number: 3R-05245 Lab Sample ID: A140122-04

GO #	Grid	Grid Opening	Structure Type (ND, F, B, CD, CB, CF, MD, etc.)	Number of Structures		Structure Dimensions (µm)		ID Method (ADX, CD, NAM, etc.)	Mineral Class (check one)				Sketch/ Comments	EDXA Observati on (NaK,	Mineral ID (WRTA, AC, TR, AT, AM, AN, CH, CR, PY, OT, UN)	Record number of spectrum or photo if taken		Check if GO not analyzed for Chrysotile
				Primary	Total	Length	Width		LA	OA	CH	NAM				EDXA (spectrum saved)	Photo	
	A9-5	H4-1	F	2	2	5.5	1	ADX	X				▭	XX	AC	2-AC		
		H4-3	ND															
		H4-4																
		H4-6																
		H5-1																
		H5-3																
		H5-4																
		H5-6																
		H6-1																
		K2-3																
		K3-1																
		K3-3																
		K3-4																
		K3-6																
320	↓	K4-1	↓															

Analyst: D. 15 Kent

Date: 06/10/14

TEM ASBESTOS STRUCTURE COUNT BENCH SHEET

Lab Job Number: A140122 Client Sample Number: 3R-05245 Lab Sample ID: A140122-04

GO #	Grid	Grid Opening	Structure Type (ND, F, B, CD, CB, CF, MD, etc.)	Number of Structures		Structure Dimensions (µm)		ID Method (ADX, CD, NAM, etc.)	Mineral Class (check one)				Sketch/ Comments	EDXA Observation (NaK,	Mineral ID (WRTA, AC, TR, AT, AM, AN, CH, CR, PY, OT, UN)	Record number of spectrum or photo if taken		Check if GO not analyzed for Chrysotile
				Primary	Total	Length	Width		LA	OA	CH	NAM				EDXA (spectrum saved)	Photo	
	A9-5	K4-3	ND															
		K4-4																
		K4-6																
		K5-1																
325		K5-4																
	B9-5	B3-3	ND															
		B3-4																
		B3-6																
		B4-1																
		B4-3																
		B4-4																
		B4-6																
		B5-4																
		C2-3																
335		C2-6																

Analyst: N. Kent

Date: 06/10/14

TEM ASBESTOS STRUCTURE COUNT BENCH SHEET

Lab Job Number: A140122 Client Sample Number: 3R-05245 Lab Sample ID: A140122-04

GO #	Grid	Grid Opening	Structure Type (ND, F, B, CD, CB, CF, MD, etc.)	Number of Structures		Structure Dimensions (µm)		ID Method (ADX, CD, NAM, etc.)	Mineral Class (check one)				Sketch/ Comments	EDXA Observation (NaK,	Mineral ID (WRTA, AC, TR, AT, AM, AN, CH, CR, PY, OT, UN)	Record number of spectrum or photo if taken		Check if GO not analyzed for Chrysotile
				Primary	Total	Length	Width		LA	OA	CH	NAM				EDXA (spectrum saved)	Photo	
	B9-5	C3-1	ND															
		C3-3																
		C3-4																
		C3-6																
		C4-1																
		C4-3																
		C4-4																
		C4-6																
		C5-1																
		C5-3																
		C5-4																
		C5-6																
		C6-4																
		E2-1																
350		E2-3																

Analyst: D. Kent 15

Date: 06/11/14

TEM ASBESTOS STRUCTURE COUNT BENCH SHEET

Lab Job Number: A140122 Client Sample Number: 3R-05245 Lab Sample ID: A140122-04

GO #	Grid	Grid Opening	Structure Type (ND, F, B, CD, CB, CF, MD, etc.)	Number of Structures		Structure Dimensions (µm)		ID Method (ADX, CD, NAM, etc.)	Mineral Class (check one)				Sketch/ Comments	EDXA Observati on (NaK,	Mineral ID (WRTA, AC, TR, AT, AM, AN, CH, CR, PY, OT, UN)	Record number of spectrum or photo if taken		Check if GO not analyzed for Chrysotile
				Primary	Total	Length	Width		LA	OA	CH	NAM				EDXA (spectrum saved)	Photo	
	B9-5	E2-4	ND															
		E2-6																
		E3-1																
		E3-3																
		E3-4																
		E3-6																
		E4-1																
		E4-3																
		E4-4																
		E4-6																
		E5-1																
		E5-3																
		E5-4																
		E5-6																
		E6-1																

Analyst: D. S Kent

Date: 06/11/14

TEM ASBESTOS STRUCTURE COUNT BENCH SHEET

Lab Job Number: A140122 Client Sample Number: 3R-05245 Lab Sample ID: A140122-04

GO #	Grid	Grid Opening	Structure Type (ND, F, B, CD, CB, CF, MD, etc.)	Number of Structures		Structure Dimensions (µm)		ID Method (ADX, CD, NAM, etc.)	Mineral Class (check one)				Sketch/ Comments	EDXA Observation (NaK,	Mineral ID (WRTA, AC, TR, AT, AM, AN, CH, CR, PY, OT, UN)	Record number of spectrum or photo if taken		Check if GO not analyzed for Chrysotile
				Primary	Total	Length	Width		LA	OA	CH	NAM				EDXA (spectrum saved)	Photo	
	B9-5	E6-4	ND															
		F2-1																
		F2-3																
		F2-4																
		F2-6																
		F3-1																
		F3-3																
		F3-4																
		F3-6																
		F4-1																
		F4-3																
		F4-4																
		F4-6																
		F5-1																
380		F5-3																

Analyst: D. Kent

Date: 06/11/14

TEM ASBESTOS STRUCTURE COUNT BENCH SHEET

Lab Job Number: A140122 Client Sample Number: 3R-05245 Lab Sample ID: A140122-04

GO #	Grid	Grid Opening	Structure Type (ND, F, B, CD, CB, CF, MD, etc.)	Number of Structures		Structure Dimensions (µm)		ID Method (ADX, CD, NAM, etc.)	Mineral Class (check one)				Sketch/ Comments	EDXA Observati on (NaK,	Mineral ID (WRTA, AC, TR, AT, AM, AN, CH, CR, PY, OT, UN)	Record number of spectrum or photo if taken		Check if GO not analyzed for Chrysotile
				Primary	Total	Length	Width		LA	OA	CH	NAM				EDXA (spectrum saved)	Photo	
	B9-S	F5-4	ND															
		F5-6																
		F6-1																
		F6-4																
		G2-1																
		G2-3																
		G2-4																
		G2-6																
		G3-1																
		G3-3																
		G3-4																
		G3-6																
		G4-1																
		G4-3																
		G4-4																

Analyst: D. Kent

Date: 06/11/14

TEM ASBESTOS STRUCTURE COUNT BENCH SHEET

Lab Job Number: A140122 Client Sample Number: 3R-05245 Lab Sample ID: A140122-04

GO #	Grid	Grid Opening	Structure Type (ND, F, B, CD, CB, CF, MD, etc.)	Number of Structures		Structure Dimensions (µm)		ID Method (ADX, CD, NAM, etc.)	Mineral Class (check one)				Sketch/ Comments	EDXA Observation (NaK,	Mineral ID (WRTA, AC, TR, AT, AM, AN, CH, CR, PY, OT, UN)	Record number of spectrum or photo if taken		Check if GO not analyzed for Chrysotile
				Primary	Total	Length	Width		LA	OA	CH	NAM				EDXA (spectrum saved)	Photo	
	B9-5	G4-6	ND															
		G5-1																
		G5-3																
		G5-4																
		G5-6																
		G6-1																
		G6-4																
		H2-1																
		H2-3																
		H2-6																
		H3-1																
		H3-3																
		H3-4																
		H3-6																
410		H4-1																

Analyst: D. Kent

Date: 06/11/14

TEM ASBESTOS STRUCTURE COUNT BENCH SHEET

Lab Job Number: A140122 Client Sample Number: 3R-05245 Lab Sample ID: A140122-04

GO #	Grid	Grid Opening	Structure Type (ND, F, B, CD, CB, CF, MD, etc.)	Number of Structures		Structure Dimensions (µm)		ID Method (ADX, CD, NAM, etc.)	Mineral Class (check one)				Sketch/ Comments	EDXA Observation (NaK,	Mineral ID (WRTA, AC, TR, AT, AM, AN, CH, CR, PY, OT, UN)	Record number of spectrum or photo if taken		Check if GO not analyzed for Chrysotile
				Primary	Total	Length	Width		LA	OA	CH	NAM				EDXA (spectrum saved)	Photo	
	B9-5	H4-3	ND															
		H4-4																
		H4-6																
		H5-1																
		H5-3																
		H5-4																
		H5-6																
		H6-1																
		K2-3																
		K3-1																
		K3-3																
		K3-4																
		K3-6																
		K4-1																
425		K4-3																

Analyst: D. S. Kent

Date: 06/11/14

TEM ASBESTOS STRUCTURE COUNT BENCH SHEET

Lab Job Number: A140122 Client Sample Number: 3R-05245 Lab Sample ID: A140122-04

GO #	Grid	Grid Opening	Structure Type (ND, F, B, CD, CB, CF, MD, etc.)	Number of Structures		Structure Dimensions (µm)		ID Method (ADX, CD, NAM, etc.)	Mineral Class (check one)				Sketch/ Comments	EDXA-Observation (NaK,	Mineral ID (WRTA, AC, TR, AT, AM, AN, CH, CR, PY, OT, UN)	Record number of spectrum or photo if taken		Check if GO not analyzed for Chrysotile
				Primary	Total	Length	Width		LA	OA	CH	NAM				EDXA (spectrum saved)	Photo	
	B9-5	K4-4	ND															
		K4-6																
		K5-1																
		K5-3																
430		K5-6																
	C9-5	B3-1	ND															
		B3-3																
		B3-4																
		B3-6																
		B4-1																
		B4-3																
		B4-4																
		B4-6																
		B5-1																
		B5-3																

Analyst: D. Kent

Date: 06/11/14

TEM ASBESTOS STRUCTURE COUNT BENCH SHEET

Lab Job Number: A140122 Client Sample Number: 3R-05245 Lab Sample ID: A140122-04

GO #	Grid	Grid Opening	Structure Type (ND, F, B, CD, CB, CF, MD, etc.)	Number of Structures		Structure Dimensions (µm)		ID Method (ADX, CD, NAM, etc.)	Mineral Class (check one)				Sketch/ Comments	EDXA Observati on (NaK,	Mineral ID (WRTA, AC, TR, AT, AM, AN, CH, CR, PY, OT, UN)	Record number of spectrum or photo if taken		Check if GO not analyzed for Chrysotile
				Primary	Total	Length	Width		LA	OA	CH	NAM				EDXA (spectrum saved)	Photo	
	C9-5	B5-4	ND															
		B5-6																
		C2-3																
		C2-6																
		C3-1																
		C3-3																
		C3-4																
		C3-6																
		C4-1																
		C4-3																
		C4-4																
		C4-6																
		C5-1																
		C5-3																
455		C5-4																

Analyst: D. Kent

Date: 06/11/14

TEM ASBESTOS STRUCTURE COUNT BENCH SHEET

Lab Job Number: A140122 Client Sample Number: 3R-05245 Lab Sample ID: A140122-04

GO #	Grid	Grid Opening	Structure Type (ND, F, B, CD, CB, CF, MD, etc.)	Number of Structures		Structure Dimensions (µm)		ID Method (ADX, CD, NAM, etc.)	Mineral Class (check one)				Sketch/ Comments	EDXA Observation (NaK,	Mineral ID (WRTA, AC, TR, AT, AM, AN, CH, CR, PY, OT, UN)	Record number of spectrum or photo if taken		Check if GO not analyzed for Chrysotile
				Primary	Total	Length	Width		LA	OA	CH	NAM				EDXA (spectrum saved)	Photo	
	C9-5	C5-6	ND															
		C6-1																
		C6-4																
		E2-3																
		E2-6																
		E3-1																
		E3-3																
		E3-4																
		E3-6																
		E4-1																
		E4-3																
		E4-4																
		E4-6																
		E5-1																
470		E5-3																

Analyst: D. S. Kent

Date: 06/11/14

TEM ASBESTOS STRUCTURE COUNT BENCH SHEET

Lab Job Number: A140122 Client Sample Number: 3R-05245 Lab Sample ID: A140122-04

GO #	Grid	Grid Opening	Structure Type (ND, F, B, CD, CB, CF, MD, etc.)	Number of Structures		Structure Dimensions (µm)		ID Method (ADX, CD, NAM, etc.)	Mineral Class (check one)				Sketch/ Comments	EDXA Observati on (NaK,	Mineral ID (WRTA, AC, TR, AT, AM, AN, CH, CR, PY, OT, UN)	Record number of spectrum or photo if taken		Check if GO not analyzed for Chrysotile
				Primary	Total	Length	Width		LA	OA	CH	NAM				EDXA (spectrum saved)	Photo	
	C9-5	E5-4	ND															
		E5-6																
		E6-1																
		E6-3																
		E6-4																
		E6-6																
		F2-3																
		F2-6																
		F3-1																
		F3-3																
		F3-4																
		F3-6																
		F4-1																
		F4-3																
		F4-4																

Analyst: D. Kent

Date: 06/11/14

TEM ASBESTOS STRUCTURE COUNT BENCH SHEET

Lab Job Number: A140122 Client Sample Number: 3R-05245 Lab Sample ID: A140122-04

GO #	Grid	Grid Opening	Structure Type (ND, F, B, CD, CB, CF, MD, etc.)	Number of Structures		Structure Dimensions (µm)		ID Method (ADX, CD, NAM, etc.)	Mineral Class (check one)				Sketch/ Comments	EDXA Observati on (NaK,	Mineral ID (WRTA, AC, TR, AT, AM, AN, CH, CR, PY, OT, UN)	Record number of spectrum or photo if taken		Check if GO not analyzed for Chrysotile
				Primary	Total	Length	Width		LA	OA	CH	NAM				EDXA (spectrum saved)	Photo	
	C9-S	F4-6	ND															
		F5-1																
		F5-3																
		F5-4																
		F5-6																
		F6-1																
		F6-3																
		F6-4																
		F6-6																
		G2-3																
		G2-6																
		G3-1																
		G3-3																
		G3-4																
500		G3-6																

Analyst: TS D. Kent

Date: 06/11/14

TEM ASBESTOS STRUCTURE COUNT BENCH SHEET

Laboratory Name	ESATR8
Site or Project Name	Libby 08BC
Client	USEPA Region 8
Chain of Custody Number	22499
Lab Job Number	A140122
Lab Sample ID	A140122-05
Client Sample Number	3R-05246
Tag	AL1
Lab Receipt Date	05/20/2014
Analysis Method	TEM-ISO
Sample Matrix	Air
Sample Type (field, blank, etc.)	Field Sample
QC Type	Not QC
Analysis Status	Analyzed
Prepared By	R. Pescador/EMSL 27
Preparation Date	07/20/2012
Volume (L) or Area (cm²)	1233
Lab Comments	Grid Prep by N. DelHierro on 05/29/14
Grid Prep Acceptable? Y or N (explain)	

Circle Prep Type: Direct Indirect Indirect-Ashed	
Loose Material in cowl?	Y N
Est. Filter Particulate Loading (%)	25
Instrument	JEOL JEM-1011 (C24)
Voltage (kV)	100
Magnification (X)	5,000
Primary Filter Area (mm²)	385
Primary Filter Pore Size (µm)	0.8
Sec Filter Area (mm²)	360
Sec Filter Pore Size (µm)	0.2
Grid Opening Area (mm²)	0.0099
Number of Grids Prepared	6
Archive Filter(s) Location	ESATR8
Grid Storage Location	ESATR8
Grid Box	A56
Grid Slots	B10, A11, B11, C11, A12, B12
Filter Type	MCE

Minimum Aspect Ratio	3:1
Minimum Length (µm)	>5
Minimum Width (µm)	0.25
Max # LA Structures	25
Max # Grid Openings	500
Target Analytical Sensitivity	-
# of GO's to Reach Target AS	-
GO Traverse Direction (V or H)	H
GO Orientation (Sketch letter F)	F

F-Factor Calculation (if applicable)

Indirect Fraction Primary Filter	0.5
Analysis Aliquot 1 (mL)	50
Analysis Volume 1 (ml)	100
Indirect Fraction Secondary Filter	
Analysis Aliquot 2 (mL)	
Analysis Volume 2 (mL)	
Analysis Aliquot 3 (mL)	
Analysis Volume 3 (mL)	
F-Factor	0.25

GO #	Grid	Grid Opening	Structure Type (ND, F, B, CD, CB, CF, MD, etc.)	Number of Structures		Structure Dimensions (µm)		ID Method (ADX, CD, NAM, etc.)	Mineral Class (check one)				Sketch/ Comments	EDXA Observation (NaK,	Mineral ID (WRTA, AC, TR, AT, AM, AN, CH, CR, PY, OT, UN)	Record number of spectrum or photo if taken		Check if GO not analyzed for Chrysotile
	DK 6/12/14			Primary	Total	Length	Width		LA	OA	CH	NAM				EDXA (spectrum saved)	Photo	
1	B10-5 ~~B10~~	G2-4	NO															
		G2-1																
		F2-4																
		F2-1																
		E2-4																

5

3/500

3

Analyst: N. DelHierro

Date: 6/11/14

AC

TEM ASBESTOS STRUCTURE COUNT BENCH SHEET

Lab Job Number: A140122 Client Sample Number: 3R-05246 Lab Sample ID: A140122-05

GO #	Grid	Grid Opening	Structure Type (ND, F, B, CD, CB, CF, MD, etc.)	Number of Structures		Structure Dimensions (µm)		ID Method (ADX, CD, NAM, etc.)	Mineral Class (check one)				Sketch/ Comments	EDXA Observation (NaK,	Mineral ID (WRTA, AC, TR, AT, AM, AN, CH, CR, PY, OT, UN)	Record number of spectrum or photo if taken		Check if GO not analyzed for Chrysotile
				Primary	Total	Length	Width		LA	OA	CH	NAM				EDXA (spectrum saved)	Photo	
DK 6/12/14																		
	B10-5 ~~B10~~	K2-3	ND															
		H2-6																
		H2-3																
		G2-6																
		G2-3																
		F2-6																
		F2-3																
		E2-6																
		E2-3																
		C2-6																
		K3-4																
		K3-1																
		H3-4																
		H3-1																
		G3-4																

Analyst: Nathan DelHierro Date: 6/11/14

TEM ASBESTOS STRUCTURE COUNT BENCH SHEET

Lab Job Number: A140122 Client Sample Number: 3R-05246 Lab Sample ID: A140122-05

GO #	Grid	Grid Opening	Structure Type (ND, F, B, CD, CB, CF, MD, etc.)	Number of Structures		Structure Dimensions (µm)		ID Method (ADX, CD, NAM, etc.)	Mineral Class (check one)				Sketch/ Comments	EDXA Observati on (NaK,	Mineral ID (WRTA, AC, TR, AT, AM, AN, CH, CR, PY, OT, UN)	Record number of spectrum or photo if taken		Check if GO not analyzed for Chrysotile
				Primary	Total	Length	Width		LA	OA	CH	NAM				EDXA (spectrum saved)	Photo	
DK 6/13/14	B10-5 ~~B10~~	G3-1	ND															
		F3-4																
		F3-1																
		E3-4																
		E3-1																
		C3-4																
		C3-1																
		L3-3																
		K3-6																
		K3-3																
		H3-6																
		H3-3																
		G3-6																
		G3-3																
		F3-6																

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Analyst: Nathan DelHierro

Date: 6/11/14

TEM ASBESTOS STRUCTURE COUNT BENCH SHEET

Lab Job Number: A140122 Client Sample Number: 3R-05246 Lab Sample ID: A140122-05

GO #	Grid	Grid Opening	Structure Type (ND, F, B, CD, CB, CF, MD, etc.)	Number of Structures		Structure Dimensions (µm)		ID Method (ADX, CD, NAM, etc.)	Mineral Class (check one)				Sketch/ Comments	EDXA Observation (NaK,	Mineral ID (WRTA, AC, TR, AT, AM, AN, CH, CR, PY, OT, UN)	Record number of spectrum or photo if taken		Check if GO not analyzed for Chrysotile
				Primary	Total	Length	Width		LA	OA	CH	NAM				EDXA (spectrum saved)	Photo	
DK	6/13/14 B10-S																	
	B10	F3-3	ND															
		E3-6																
		E3-3																
		C3-6																
		C3-3																
		B3-6																
		L4-1																
		K4-4																
		K4-1																
		H4-4																
		H4-1																
		G4-4																
		G4-1																
		F4-4																
		F4-1																

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Analyst: Nathan DelHierro

Date: 6/11/14

TEM ASBESTOS STRUCTURE COUNT BENCH SHEET

Lab Job Number: A140122 Client Sample Number: 3R-05246 Lab Sample ID: A140122-05

GO #	Grid	Grid Opening	Structure Type (ND, F, B, CD, CB, CF, MD, etc.)	Number of Structures		Structure Dimensions (µm)		ID Method (ADX, CD, NAM, etc.)	Mineral Class (check one)				Sketch/ Comments	EDXA Observation (NaK,	Mineral ID (WRTA, AC, TR, AT, AM, AN, CH, CR, PY, OT, UN)	Record number of spectrum or photo if taken		Check if GO not analyzed for Chrysotile
				Primary	Total	Length	Width		LA	OA	CH	NAM				EDXA (spectrum saved)	Photo	
DK 6/13/14																		
	B10-5 ~~B10~~	E4-4	ND															
		E4-1																
		C4-4																
		C4-1																
		B4-4																
		L4-3																
		K4-6																
		K4-3																
		H4-6																
		H4-3																
		G4-6																
		G4-3																
		F4-6																
		F4-3																
		E4-6																

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Analyst: Nathan DelHierro Date: 6/11/14

TEM ASBESTOS STRUCTURE COUNT BENCH SHEET

Lab Job Number: A140122 Client Sample Number: 3R-05246 Lab Sample ID: A140122-05

GO #	Grid	Grid Opening	Structure Type (ND, F, B, CD, CB, CF, MD, etc.)	Number of Structures		Structure Dimensions (µm)		ID Method (ADX, CD, NAM, etc.)	Mineral Class (check one)				Sketch/ Comments	EDXA Observation (NaK,	Mineral ID (WRTA, AC, TR, AT, AM, AN, CH, CR, PY, OT, UN)	Record number of spectrum or photo if taken		Check if GO not analyzed for Chrysotile
				Primary	Total	Length	Width		LA	OA	CH	NAM				EDXA (spectrum saved)	Photo	
DK 6/13/14																		
	B10-5 ~~B10~~	E4-3	ND															
		C4-6																
		C4-3																
		B4-6																
		L5-1																
		K5-4																
		K5-1																
		H5-4																
		H5-1																
		G5-4																
		G5-1																
		F5-4																
		F5-1																
		E5-4																
		E5-1																

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Analyst: Nathan DelHierro Date: 6/11/14

TEM ASBESTOS STRUCTURE COUNT BENCH SHEET

Lab Job Number: A140122 Client Sample Number: 3R-05246 Lab Sample ID: A140122-05

GO #	Grid	Grid Opening	Structure Type (ND, F, B, CD, CB, CF, MD, etc.)	Number of Structures		Structure Dimensions (µm)		ID Method (ADX, CD, NAM, etc.)	Mineral Class (check one)				Sketch/ Comments	EDXA Observation (NaK,	Mineral ID (WRTA, AC, TR, AT, AM, AN, CH, CR, PY, OT, UN)	Record number of spectrum or photo if taken		Check if GO not analyzed for Chrysotile
				Primary	Total	Length	Width		LA	OA	CH	NAM				EDXA (spectrum saved)	Photo	
DK	6/13/14																	
	B10.5 B10	CS-4	ND															
		CS-1																
		BS-4																
		KS-6																
		KS-3																
		HS-6																
		HS-3																
		GS-6																
		GS-3																
		FS-6																
		FS-3																
		ES-6																
		ES-3																
		CS-6																
		CS-3																

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Analyst: Nathan DelHierro Date: 6/11/14

TEM ASBESTOS STRUCTURE COUNT BENCH SHEET

Lab Job Number: A140122 Client Sample Number: 3R-05246 Lab Sample ID: A140122-05 JB 06/13/14

GO #	Grid	Grid Opening	Structure Type (ND, F, B, CD, CB, CF, MD, etc.)	Number of Structures		Structure Dimensions (µm)		ID Method (ADX, CD, NAM, etc.)	Mineral Class (check one)				Sketch/ Comments	EDXA Observation (NaK,	Mineral ID (WRTA, AC, TR, AT, AM, AN, CH, CR, PY, OT, UN)	Record number of spectrum or photo if taken		Check if GO not analyzed for Chrysotile
DK 6/13/14				Primary	Total	Length	Width		LA	OA	CH	NAM				EDXA (spectrum saved)	Photo	
	B10-S ~~B10~~	K6-1	ND															
		H6-4																
		H6-1																
		G6-4																
		G6-1																
		F6-4																
		F6-1																
		E6-4																
		E6-1																
		C6-4																
		G6-6																
		G6-3																
		F6-6																
109		F6-3																
	A11-S ~~A11~~	G2-6																

DK 6/13/14 15

Analyst: Nathan DelHierro

Date: 6/11/14

TEM ASBESTOS STRUCTURE COUNT BENCH SHEET

JB 06/13/

Lab Job Number: A140122 Client Sample Number: 3R-05246 Lab Sample ID: A140122-05

GO #	Grid	Grid Opening	Structure Type (ND, F, B, CD, CB, CF, MD, etc.)	Number of Structures		Structure Dimensions (µm)		ID Method (ADX, CD, NAM, etc.)	Mineral Class (check one)				Sketch/ Comments	EDXA Observation (NaK,	Mineral ID (WRTA, AC, TR, AT, AM, AN, CH, CR, PY, OT, UN)	Record number of spectrum or photo if taken		Check if GO not analyzed for Chrysotile
				Primary	Total	Length	Width		LA	OA	CH	NAM				EDXA (spectrum saved)	Photo	
DK	6/13/14 A11-5																	
	A11	G2-3	ND															
		F2-6																
		F2-3																
		E2-6																
		E2-3																
		C2-6																
		H3-4																
		H3-1																
		G3-4																
		G3-1																
		F3-4																
		F3-1																
		E3-4																
		E3-1																
		C3-4																

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Analyst: Nathan DelHierro Date: 6/11/14

TEM ASBESTOS STRUCTURE COUNT BENCH SHEET

Lab Job Number: A140122 Client Sample Number: 3R-05246 Lab Sample ID: A140122-05

GO #	Grid	Grid Opening	Structure Type (ND, F, B, CD, CB, CF, MD, etc.)	Number of Structures		Structure Dimensions (µm)		ID Method (ADX, CD, NAM, etc.)	Mineral Class (check one)				Sketch/ Comments	EDXA Observati on (NaK,	Mineral ID (WRTA, AC, TR, AT, AM, AN, CH, CR, PY, OT, UN)	Record number of spectrum or photo if taken		Check if GO not analyzed for Chrysotile
				Primary	Total	Length	Width		LA	OA	CH	NAM				EDXA (spectrum saved)	Photo	
DK	6/13/14																	
	A11-5 ~~A11~~	C3-1	F	1	1	7.5	0.6	ADX	✓					NaK	WRTA	1-WRTA	0163	
		K3-3	ND															
		H3-6																
		H3-3																
		G3-6																
		G3-3																
		F3-6																
		F3-3																
		E3-6																
		E3-3																
		C3-6																
		C3-3																
		B3-6																
		B3-3																
		K4-4																

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Analyst: Nathan DelHierro Date: 6/11/14

TEM ASBESTOS STRUCTURE COUNT BENCH SHEET

Lab Job Number: A140122 Client Sample Number: 3R-05246 Lab Sample ID: A140122-05

GO #	Grid	Grid Opening	Structure Type (ND, F, B, CD, CB, CF, MD, etc.)	Number of Structures		Structure Dimensions (µm)		ID Method (ADX, CD, NAM, etc.)	Mineral Class (check one)				Sketch/ Comments	EDXA Observation (NaK,	Mineral ID (WRTA, AC, TR, AT, AM, AN, CH, CR, PY, OT, UN)	Record number of spectrum or photo if taken		Check if GO not analyzed for Chrysotile
				Primary	Total	Length	Width		LA	OA	CH	NAM				EDXA (spectrum saved)	Photo	
DK	6/13/14 A11-S																	
	~~A11~~	K4-1	ND															
		H4-4																
		H4-1																
		G4-4																
		G4-1																
		F4-4																
		F4-1																
		E4-4																
		E4-1																
		C4-4																
		C4-1																
		B4-4																
		B4-1																
		K4-6																
		K4-3																

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Analyst: Nathan DelHierro Date: 6/11/14

TEM ASBESTOS STRUCTURE COUNT BENCH SHEET

Lab Job Number: A140122 Client Sample Number: 3R-05246 Lab Sample ID: A140122-05

GO #	Grid	Grid Opening	Structure Type (ND, F, B, CD, CB, CF, MD, etc.)	Number of Structures		Structure Dimensions (µm)		ID Method (ADX, CD, NAM, etc.)	Mineral Class (check one)				Sketch/ Comments	EDXA Observation (NaK,	Mineral ID (WRTA, AC, TR, AT, AM, AN, CH, CR, PY, OT, UN)	Record number of spectrum or photo if taken		Check if GO not analyzed for Chrysotile
				Primary	Total	Length	Width		LA	OA	CH	NAM				EDXA (spectrum saved)	Photo	
DK	6/13/14																	
	~~A11~~ A11-S	H4-6	ND															
		H4-3																
		G4-6																
		G4-3																
		F4-6																
		F4-3																
		E4-6																
		E4-3																
		C4-6																
		C4-3																
		B4-6																
		B4-3																
		K5-1																
		H5-4																
		H5-1																

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Analyst: Nathan DelHierro Date: 6/11/14

TEM ASBESTOS STRUCTURE COUNT BENCH SHEET

Lab Job Number: A140122 Client Sample Number: 3R-05246 Lab Sample ID: A140122-05

GO #	Grid	Grid Opening	Structure Type (ND, F, B, CD, CB, CF, MD, etc.)	Number of Structures		Structure Dimensions (µm)		ID Method (ADX, CD, NAM, etc.)	Mineral Class (check one)				Sketch/ Comments	EDXA Observation (NaK,	Mineral ID (WRTA, AC, TR, AT, AM, AN, CH, CR, PY, OT, UN)	Record number of spectrum or photo if taken		Check if GO not analyzed for Chrysotile
				Primary	Total	Length	Width		LA	OA	CH	NAM				EDXA (spectrum saved)	Photo	
DK 6/13/14																		
	A11-5 ~~A11~~	65-4	NO															
		65-1																
		F5-4																
		F5-1																
		E5-4																
		E5-1																
		C5-4																
		C5-1																
		B5-4																
		B5-1																
		K5-3																
		H5-6																
		H5-3																
		G5-6																
		G5-3																

Analyst: Nathan DelHierro Date: 6/11/14

TEM ASBESTOS STRUCTURE COUNT BENCH SHEET

Lab Job Number: A140122 Client Sample Number: 3R-05246 Lab Sample ID: A140122-05

GO #	Grid	Grid Opening	Structure Type (ND, F, B, CD, CB, CF, MD, etc.)	Number of Structures		Structure Dimensions (µm)		ID Method (ADX, CD, NAM, etc.)	Mineral Class (check one)				Sketch/ Comments	EDXA Observation (NaK,	Mineral ID (WRTA, AC, TR, AT, AM, AN, CH, CR, PY, OT, UN)	Record number of spectrum or photo if taken		Check if GO not analyzed for Chrysotile
				Primary	Total	Length	Width		LA	OA	CH	NAM				EDXA (spectrum saved)	Photo	
DK 6/13/14																		
	A11-5 ~~A11~~	FS-6	ND															
		FS-3																
		ES-6																
		ES-3																
		CS-6																
		CS-3																
		BS-6																
		BS-3																
		K6-1																
		H6-4																
		H6-1																
		G6-4																
		G6-1																
		F6-4																
		F6-1																

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Analyst: Nathan DelHierro

Date: 6/11/14

TEM ASBESTOS STRUCTURE COUNT BENCH SHEET

Lab Job Number: A140122 Client Sample Number: 3R-05246 Lab Sample ID: A140122-05

GO #	Grid	Grid Opening	Structure Type (ND, F, B, CD, CB, CF, MD, etc.)	Number of Structures		Structure Dimensions (µm)		ID Method (ADX, CD, NAM, etc.)	Mineral Class (check one)				Sketch/ Comments	EDXA Observati on (NaK,	Mineral ID (WRTA, AC, TR, AT, AM, AN, CH, CR, PY, OT, UN)	Record number of spectrum or photo if taken		Check if GO not analyzed for Chrysotile
				Primary	Total	Length	Width		LA	OA	CH	NAM				EDXA (spectrum saved)	Photo	
DK	6/13/14 A11-5																	
	A11	E6-4	ND															
		E6-1																
		C6-4																
		C6-1																
		B6-4																
		H6-3																
		G6-6																
		G6-3																
		F6-6																
		F6-3																
		E6-6																
		E6-3																
		C6-6																
		G7-1																
215		G7-4																
		15																

Analyst: Nathan DelHierro

Date: 6/11/14

TEM ASBESTOS STRUCTURE COUNT BENCH SHEET

Lab Job Number: A140122 Client Sample Number: 3R-05246 Lab Sample ID: A140122-05

GO #	Grid	Grid Opening	Structure Type (ND, F, B, CD, CB, CF, MD, etc.)	Number of Structures		Structure Dimensions (µm)		ID Method (ADX, CD, NAM, etc.)	Mineral Class (check one)				Sketch/ Comments	EDXA Observation (NaK,	Mineral ID (WRTA, AC, TR, AT, AM, AN, CH, CR, PY, OT, UN)	Record number of spectrum or photo if taken		Check if GO not analyzed for Chrysotile
				Primary	Total	Length	Width		LA	OA	CH	NAM				EDXA (spectrum saved)	Photo	
216	B11-5	A3-6	ND															
		A4-4																
		A4-6																
		A5-4																
		B2-3																
		B2-6																
		B3-1																
		B3-3																
		B3-4																
		B3-6																
		B4-1																
		B4-3																
		B4-4																
		B4-6																
		B5-1																

Analyst: D. St Kent

Date: 06/12/14

TEM ASBESTOS STRUCTURE COUNT BENCH SHEET

Lab Job Number: A140122 Client Sample Number: 3R-05246 Lab Sample ID: A140122-05

GO #	Grid	Grid Opening	Structure Type (ND, F, B, CD, CB, CF, MD, etc.)	Number of Structures		Structure Dimensions (µm)		ID Method (ADX, CD, NAM, etc.)	Mineral Class (check one)				Sketch/ Comments	EDXA Observation (NaK,	Mineral ID (WRTA, AC, TR, AT, AM, AN, CH, CR, PY, OT, UN)	Record number of spectrum or photo if taken		Check if GO not analyzed for Chrysotile
				Primary	Total	Length	Width		LA	OA	CH	NAM				EDXA (spectrum saved)	Photo	
	B1.5	B5-4	ND															
		B5-6	ND															
		C2-1	F	0	0	19	1.5	NAM				X	XGBLD	XX	PY	NAM-1		
		C2-3	ND															
		C2-4																
		C2-6																
		C3-1																
		C3-3																
		C3-4																
		C3-6																
		C4-1																
		C4-3																
		C4-4																
		C4-6																
245		C5-1																

Analyst: 15 D. Kent

Date: 06/12/14

TEM ASBESTOS STRUCTURE COUNT BENCH SHEET

Lab Job Number: A140122 Client Sample Number: 3R-05246 Lab Sample ID: A140122-05

GO #	Grid	Grid Opening	Structure Type (ND, F, B, CD, CB, CF, MD, etc.)	Number of Structures		Structure Dimensions (µm)		ID Method (ADX, CD, NAM, etc.)	Mineral Class (check one)				Sketch/ Comments	EDXA Observati on (NaK,	Mineral ID (WRTA, AC, TR, AT, AM, AN, CH, CR, PY, OT, UN)	Record number of spectrum or photo if taken		Check If GO not analyzed for Chrysotile
				Primary	Total	Length	Width		LA	OA	CH	NAM				EDXA (spectrum saved)	Photo	
	B11-5	C5-3	ND															
		C5-4																
		C5-6																
		C6-1																
		C6-4																
		E2-1																
		E2-3																
		E2-4																
		E2-6																
		E3-1																
		E3-3																
		E3-4																
		E3-6																
		E4-1																
260		E4-3																

Analyst: D. 'ST Kent

Date: 06/12/14

TEM ASBESTOS STRUCTURE COUNT BENCH SHEET

Lab Job Number: A140122 Client Sample Number: 3R-05246 Lab Sample ID: A140122-05

GO #	Grid	Grid Opening	Structure Type (ND, F, B, CD, CB, CF, MD, etc.)	Number of Structures		Structure Dimensions (µm)		ID Method (ADX, CD, NAM, etc.)	Mineral Class (check one)				Sketch/ Comments	EDXA Observati on (NaK,	Mineral ID (WRTA, AC, TR, AT, AM, AN, CH, CR, PY, OT, UN)	Record number of spectrum or photo if taken		Check if GO not analyzed for Chrysotile
				Primary	Total	Length	Width		LA	OA	CH	NAM				EDXA (spectrum saved)	Photo	
	B11-5	E4-4	ND															
		E4-6																
		E5-1																
		E5-3																
		E5-4																
		E5-6																
		E6-1																
		E6-4																
		F2-1																
		F2-3																
		F2-4																
		F2-6																
		F3-1																
		F3-3																
275		F3-4																

Analyst: D. Kent

Date: 06/12/14

TEM ASBESTOS STRUCTURE COUNT BENCH SHEET

Lab Job Number: A140122 Client Sample Number: 3R-05246 Lab Sample ID: A140122-05

GO #	Grid	Grid Opening	Structure Type (ND, F, B, CD, CB, CF, MD, etc.)	Number of Structures		Structure Dimensions (µm)		ID Method (ADX, CD, NAM, etc.)	Mineral Class (check one)				Sketch/ Comments	EDXA Observation (NaK,	Mineral ID (WRTA, AC, TR, AT, AM, AN, CH, CR, PY, OT, UN)	Record number of spectrum or photo if taken		Check if GO not analyzed for Chrysotile
				Primary	Total	Length	Width		LA	OA	CH	NAM				EDXA (spectrum saved)	Photo	
	B11-5	F3-6	ND															
		F4-1																
		F4-3																
		F4-4																
		F4-6																
		F5-1																
		F5-3																
		F5-4																
		F5-6																
		F6-1																
		F6-4																
		G2-1																
		G2-3																
		G2-4																
290		G2-6																

Analyst: D. S Kent

Date: 06/12/14

TEM ASBESTOS STRUCTURE COUNT BENCH SHEET

Lab Job Number: A140122 Client Sample Number: 3R-05246 Lab Sample ID: A140122-05

GO #	Grid	Grid Opening	Structure Type (ND, F, B, CD, CB, CF, MD, etc.)	Number of Structures		Structure Dimensions (µm)		ID Method (ADX, CD, NAM, etc.)	Mineral Class (check one)				Sketch/ Comments	EDXA Observation (NaK,	Mineral ID (WRTA, AC, TR, AT, AM, AN, CH, CR, PY, OT, UN)	Record number of spectrum or photo if taken		Check If GO not analyzed for Chrysotile
				Primary	Total	Length	Width		LA	OA	CH	NAM				EDXA (spectrum saved)	Photo	
	B11-5	G3-1	ND															
		G3-3																
		G3-4																
		G3-6																
		G4-1																
		G4-3																
		G4-4																
		G4-6																
		G5-1																
		G5-3																
		G5-4																
		G5-6																
		G6-1																
		H2-3																
305		H3-1																

Analyst: D. Kent

Date: 06/12/14

TEM ASBESTOS STRUCTURE COUNT BENCH SHEET

Lab Job Number: A140122 Client Sample Number: 3R-05246 Lab Sample ID: A140122-05

GO #	Grid	Grid Opening	Structure Type (ND, F, B, CD, CB, CF, MD, etc.)	Number of Structures		Structure Dimensions (µm)		ID Method (ADX, CD, NAM, etc.)	Mineral Class (check one)				Sketch/ Comments	EDXA Observation (NaK,	Mineral ID (WRTA, AC, TR, AT, AM, AN, CH, CR, PY, OT, UN)	Record number of spectrum or photo if taken		Check if GO not analyzed for Chrysotile
				Primary	Total	Length	Width		LA	OA	CH	NAM				EDXA (spectrum saved)	Photo	
	B1-5	H3-3	ND															
		H3-4																
		H3-6																
		H4-1																
		H4-3																
		H4-4																
		H4-6																
		H5-1																
		H5-3																
		H5-4																
		H5-6																
		K3-4																
		K4-1																
		K4-3																
320		K5-1	F	2	2	5.5	0.8	ADX	X					XX	AC	2-AC		

Analyst: D. Kent

Date: 06/12/14

TEM ASBESTOS STRUCTURE COUNT BENCH SHEET

Lab Job Number: A140122 Client Sample Number: 3R-05246 Lab Sample ID: A140122-05

GO #	Grid	Grid Opening	Structure Type (ND, F, B, CD, CB, CF, MD, etc.)	Number of Structures		Structure Dimensions (µm)		ID Method (ADX, CD, NAM, etc.)	Mineral Class (check one)				Sketch/ Comments	EDXA Observation (NaK,	Mineral ID (WRTA, AC, TR, AT, AM, AN, CH, CR, PY, OT, UN)	Record number of spectrum or photo if taken		Check if GO not analyzed for Chrysotile
				Primary	Total	Length	Width		LA	OA	CH	NAM				EDXA (spectrum saved)	Photo	
321	C11-5	B3-4	ND															
		B3-6																
		B4-1																
		B4-3																
		B4-4																
		B4-6																
		B5-4																
		C2-3																
		C2-6																
		C3-1																
		C3-3																
		C3-4																
		C3-6																
		C4-1																
		C4-3																

Analyst: D. S. Kent Date: 06/12/14

TEM ASBESTOS STRUCTURE COUNT BENCH SHEET

Lab Job Number: A140122 Client Sample Number: 3R-05246 Lab Sample ID: A140122-05

GO #	Grid	Grid Opening	Structure Type (ND, F, B, CD, CB, CF, MD, etc.)	Number of Structures		Structure Dimensions (µm)		ID Method (ADX, CD, NAM, etc.)	Mineral Class (check one)				Sketch/ Comments	EDXA Observati on (NaK,	Mineral ID (WRTA, AC, TR, AT, AM, AN, CH, CR, PY, OT, UN)	Record number of spectrum or photo if taken		Check if GO not analyzed for Chrysotile
				Primary	Total	Length	Width		LA	OA	CH	NAM				EDXA (spectrum saved)	Photo	
	K11-5	C4-4	ND															
		C4-6																
		C5-1																
		C5-3																
		C5-4																
		C5-6																
		C6-4																
		E2-1																
		E2-3																
		E2-4																
		E2-6																
		E3-1																
		E3-3																
		E3-4																
350		E3-6																

Analyst: D. Kent CS

Date: 06/12/14

TEM ASBESTOS STRUCTURE COUNT BENCH SHEET

Lab Job Number: A140122 Client Sample Number: 3R-05246 Lab Sample ID: A140122-05

GO #	Grid	Grid Opening	Structure Type (ND, F, B, CD, CB, CF, MD, etc.)	Number of Structures		Structure Dimensions (µm)		ID Method (ADX, CD, NAM, etc.)	Mineral Class (check one)				Sketch/ Comments	EDXA Observati on (NaK,	Mineral ID (WRTA, AC, TR, AT, AM, AN, CH, CR, PY, OT, UN)	Record number of spectrum or photo if taken		Check if GO not analyzed for Chrysotile
				Primary	Total	Length	Width		LA	OA	CH	NAM				EDXA (spectrum saved)	Photo	
	C11-5	E4-1	ND															
		E4-3																
		E4-4																
		E4-6																
		E5-1																
		E5-3																
		E5-4																
		E5-6																
		E6-1																
		E6-4																
		F1-6																
		F2-1																
		F2-3																
		F2-4																
365		F2-6																

Analyst: D. Kent

Date: 06/12/14

TEM ASBESTOS STRUCTURE COUNT BENCH SHEET

Lab Job Number: A140122 Client Sample Number: 3R-05246 Lab Sample ID: A140122-05

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				Primary	Total	Length	Width		LA	OA	CH	NAM				EDXA (spectrum saved)	Photo	
	<11-5	F3-1	ND															
		F3-3																
		F3-4																
		F3-6																
		F4-1																
		F4-3																
		F4-4																
		F4-6																
		F5-1																
		F5-3																
		F5-4																
		F6-1																
		F6-4																
		G2-3																
380		G2-4																

Analyst: D. Kent 15

Date: 06/12/14

TEM ASBESTOS STRUCTURE COUNT BENCH SHEET

Lab Job Number: A140122 Client Sample Number: 3R-05246 Lab Sample ID: A140122-05

GO #	Grid	Grid Opening	Structure Type (ND, F, B, CD, CB, CF, MD, etc.)	Number of Structures		Structure Dimensions (µm)		ID Method (ADX, CD, NAM, etc.)	Mineral Class (check one)				Sketch/ Comments	EDXA Observati on (NaK,	Mineral ID (WRTA, AC, TR, AT, AM, AN, CH, CR, PY, OT, UN)	Record number of spectrum or photo if taken		Check if GO not analyzed for Chrysotile
				Primary	Total	Length	Width		LA	OA	CH	NAM				EDXA (spectrum saved)	Photo	
	C11-5	G2-6	ND															
		G3-1																
		G3-3																
		G3-4																
		G3-6																
		G4-1																
		G4-3																
		G4-4																
		G4-6																
		G5-1																
		G5-3																
		G5-4																
		G5-6																
		G6-1																
395		G6-4																

Analyst: D. Kent

Date: 06/12/14

TEM ASBESTOS STRUCTURE COUNT BENCH SHEET

Lab Job Number: A140122 Client Sample Number: 3R-05246 Lab Sample ID: A140122-05

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				Primary	Total	Length	Width		LA	OA	CH	NAM				EDXA (spectrum saved)	Photo	
	C11-5	H2-1	ND															
		H2-3																
		H2-4																
		H2-6																
		H3-1																
		H3-3																
		H3-4	F	3	3	10	0.5	ADX	X					NaK	WRTA	3-WRTA		
		H3-6	ND															
		H4-1																
		H4-3																
		H4-4																
		H4-6																
		H5-1																
		H5-3																
410		H5-4																

Analyst: D. Kent

Date: 06/12/14

TEM ASBESTOS STRUCTURE COUNT BENCH SHEET

Lab Job Number: A140122 Client Sample Number: 3R-05246 Lab Sample ID: A140122-05

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				Primary	Total	Length	Width		LA	OA	CH	NAM				EDXA (spectrum saved)	Photo	
	C11-5	H5-6	ND															
		H6-1																
		H6-4																
		K2-3																
		K3-1																
		K3-3																
		K3-4																
		K3-6																
		K4-1																
		K4-3																
		K4-4																
		K4-6																
		K5-1																
		K5-3																
425		K5-4																

Analyst: D. Kent

Date: 06/12/14

TEM ASBESTOS STRUCTURE COUNT BENCH SHEET

Lab Job Number: A140122 Client Sample Number: 3R-05246 Lab Sample ID: A140122-05

GO #	Grid	Grid Opening	Structure Type (ND, F, B, CD, CB, CF, MD, etc.)	Number of Structures		Structure Dimensions (µm)		ID Method (ADX, CD, NAM, etc.)	Mineral Class (check one)				Sketch/ Comments	EDXA Observati on (NaK,	Mineral ID (WRTA, AC, TR, AT, AM, AN, CH, CR, PY, OT, UN)	Record number of spectrum or photo if taken		Check If GO not analyzed for Chrysotile
				Primary	Total	Length	Width		LA	OA	CH	NAM				EDXA (spectrum saved)	Photo	
	C11-5	L3-3	ND															
		L4-1																
428		L4-3																
	A12-5	B4-1	ND															
		B4-3																
		B4-4																
		B4-6																
		C2-3																
		C2-6																
		C3-1																
		C3-3																
		C3-4																
		C3-6																
		C4-1																
		C4-3																

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Date: 06/12/14

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				Primary	Total	Length	Width		LA	OA	CH	NAM				EDXA (spectrum saved)	Photo	
	A12-5	C4-4	ND															
		C4-6																
		E2-1																
		E2-3																
		E2-4																
		E2-6																
		E3-1																
		E3-3																
		E3-4																
		E3-6																
		E4-1																
		E4-3																
		E4-4																
		E4-6																
455		E5-1																

Analyst: D.S. Kent

Date: 06/13/14

TEM ASBESTOS STRUCTURE COUNT BENCH SHEET

Lab Job Number: A140122 Client Sample Number: 3R-05246 Lab Sample ID: A140122-05

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				Primary	Total	Length	Width		LA	OA	CH	NAM				EDXA (spectrum saved)	Photo	
	A12-5	E5-3	ND															
		E5-4																
		E5-6																
		E6-1																
		E6-4																
		F2-1																
		F2-3																
		F2-4																
		F2-6																
		F3-1																
		F3-3																
		F3-4																
		F3-6																
		F4-1																
470		F4-3																

Analyst: D. Kent

Date: 06/13/14

TEM ASBESTOS STRUCTURE COUNT BENCH SHEET

Lab Job Number: A140122

Client Sample Number: 3R-05246

Lab Sample ID: A140122-05

GO #	Grid	Grid Opening	Structure Type (ND, F, B, CD, CB, CF, MD, etc.)	Number of Structures		Structure Dimensions (µm)		ID Method (ADX, CD, NAM, etc.)	Mineral Class (check one)				Sketch/ Comments	EDXA Observation (NaK,	Mineral ID (WRTA, AC, TR, AT, AM, AN, CH, CR, PY, OT, UN)	Record number of spectrum or photo if taken		Check if GO not analyzed for Chrysotile
				Primary	Total	Length	Width		LA	OA	CH	NAM				EDXA (spectrum saved)	Photo	
	A12-S	F4-4	ND															
		F4-6																
		F5-1																
		F5-3																
		F5-4																
		F5-6																
		F6-1																
		F6-4																
		G2-1																
		G2-3																
		G2-4																
		G2-6																
		G3-1																
		G3-3																
		G3-4																

Analyst: D. S. Kent

Date: 06/13/14

TEM ASBESTOS STRUCTURE COUNT BENCH SHEET

Lab Job Number: A140122 Client Sample Number: 3R-05246 Lab Sample ID: A140122-05

GO #	Grid	Grid Opening	Structure Type (ND, F, B, CD, CB, CF, MD, etc.)	Number of Structures		Structure Dimensions (µm)		ID Method (ADX, CD, NAM, etc.)	Mineral Class (check one)				Sketch/ Comments	EDXA Observati on (NaK,	Mineral ID (WRTA, AC, TR, AT, AM, AN, CH, CR, PY, OT, UN)	Record number of spectrum or photo if taken		Check if GO not analyzed for Chrysotile
				Primary	Total	Length	Width		LA	OA	CH	NAM				EDXA (spectrum saved)	Photo	
	A12-5	G3-6	ND															
		G4-1																
		G4-3																
		G4-4																
		G4-6																
		G5-1																
		G5-3																
		G5-4																
		G5-6	F	0	0	7	2	NAM				X		XK	PY	NAM-2		
		G6-1	ND															
		G6-4																
		H4-1																
		H4-3																
		H4-4																
500		H4-6																

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Analyst: D. Kent

Date: 06/13/14

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