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Detection and Persistence of Gunshot Residue (GSR) on Facial Features using SEMEDX

Samuel Yatzkan

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Detection and Persistence of Gunshot Residue (GSR) on Facial Features using SEM/EDX

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Thesis Submitted
to the Eberly College of Arts and Sciences
at West Virginia University

in partial fulfillment of the requirements for the degree of

Master of Science in
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Keywords: Gunshot Residue; GSR; SEM/EDX; Persistence

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Abstract

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Samuel Yatzkan

The goal of this research project was to examine the ability to detect gunshot residue (GSR) from a person's face and determine if there was any statistical difference in the amount of GSR persisting on the face versus the amount persisting on a shooter's hands over time since the discharge of the firearm. From an investigative viewpoint, the presence of GSR could indicate some involvement with a firearm and warrant further investigation into the person of interest. Within this research, participants fired 1 round of ammunition from a firearm and after a designated amount of time had passed, were sampled for GSR on their faces and hands. Age, gender, and type of skin (dry, neutral, or oily) were also considered for each participant. There was a significant difference found in the number of GSR particles on hands immediately after the discharge of a firearm. After the wait periods had passed, the number of particles detected was the same as or lower than the background. Samples collected from the face were not significantly different from the background samples. This research yielded an increased understanding of gunshot residue and the instrumental analysis of GSR evidence with the SEM/EDX.

Keywords: Gunshot Residue; GSR; SEM/EDX; Persistence

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Chapter 1- Introduction

Gunshot residue (GSR) analysis is a simple way to determine if a person has been involved with a firearms related event by one of three ways: firing the firearm; by being nearby the fired firearm; or by handling a firearm after a firing event. Currently, GSR is sampled from the person of interest's hands, primarily around the webbing between the index finger and thumb. Literature currently finds that GSR can persist on a person's hand(s) for variable amounts of time. Wallace cites a one to twenty-four hour range for the detection of GSR but realistically, detection of GSR beyond three hours is unlikely [1]. Jalanti *et al.* found that GSR will persist for four hours [2]. This small window of time from the incident occurring and collection of a GSR sample can make linking an individual to a firearms event difficult. The small period of time in which GSR can be collected may be attributed to loss in two primary forms. First, GSR particles from the primary deposition substrate may be transferred to a secondary substrate through contact. Second, GSR particles may be lost through cleaning of the surface upon which GSR particles were deposited. Following a shooting event, a shooter goes about their business and comes into contact with any number of other persons or objects through actions such as handshakes or opening a door. Persons of interest may wash, wipe, or rub their hands after the shooting event to remove evidence either purposefully or unintentionally [3]. Andrasko and Maehly conducted numerous experiments with gunshot residue analysis on an SEM back in 1977. One such experiment was to examine the effect of GSR after washing hands with soap and water. The GSR particles had been almost completely removed. Only two round particles of lead were detected, barium and antimony was not detected at all within the set two hour analysis time limit they set for themselves to keep the study progressing [4].

The main objective of this study is to determine an additional GSR sampling site that may potentially expand the time frame for sample collection. By sampling faces and hands of participants at various times following a controlled firearms discharge, the decay can be monitored in hour-based increments. This will monitor for the number of particles that decrease and approach a zero or background level of GSR particles. Background residue would be considered GSR particles (or particles similar in appearance and composition that may be misidentified as GSR such as shaved brake linings that also consist of lead, barium, and antimony [5]) that are present on a person through typical daily interactions, not necessarily from the person's use of a firearm.

After establishing the background of GSR existing on the population's skin prior to firing, test subjects will fire rounds of ammunition from the firearm and be allowed to continue their daily routine. After a set amount of time has passed, they will return for sample collection. The current most efficient and common sampling method, carbon-coated adhesive tape on SEM stubs, will be used for collection of any GSR residue. Current literature mentions that adhesive tapes are better than liquid adhesives [6] and that of the adhesive tapes, carbon coated adhesive tape on aluminum SEM stubs are better than swabs [7]. Figure 1 below depicts the general process from start to finish of GSR analysis.

Figure 1: General overview of the analysis of GSR

Gunshot residue within the forensic community does have its uses. Detection of GSR on a person of interest would prompt further investigation into their involvement. However, lack of GSR would not exclude a person of interest from further investigation due to the possibility of purposeful removal of GSR or wearing of a protective barrier to prevent deposition. With more research on the mechanics of persistence, it could establish a possible timeline since deposition of any detected GSR. GSR would also be used along with witness statements to form hypotheses when looking at the evidence stubs.

Chapter 2- Background

Gunshot Residue:

Gunshot residue (GSR) is the resultant material from the discharge of a firearm that may or may not be obviously visible [8]. The components consist of: primer particles; propellant particles; particles removed from the cartridge casing; particles removed from the bullet and/or jacketing; and particles from the firearm itself. The particles in question from propellant powder can be burnt or unburnt [9]. According to an article by Tassa and Zeldes, gunshot residue is most commonly described based on the chemical composition and morphology [10]. Jalanti *et al.* found that the residues collected primarily consisted of barium, lead, and antimony particles [2]. There is the possibility of detecting trace amounts of Si, Ca, Al, Cu, Fe, S, P, Zn, Ni, K, Cl, and/or Sn within GSR samples [11]. Wolten and Nesbitt discussed the idea that GSR particles of lead were primarily produced by degradation of lead bullets [12]. A study involving radioactive tracers has determined this to be correct. When firing a lead bullet, most of the GSR particles composed of lead came from the bullet [13]. Lead would possibly present in the form of lead oxide which would only result in the detection of lead due to the SEMs inability to detect/analyze oxygen [12] at the time. Today, oxygen can be detected using SEM/EDX, but quantitation of oxygen is difficult.

A primer is a mixture of various compounds that serves one of six purposes. The primer will consist of an explosive, an oxidizer, a fuel, a frictionator, a sensitizer, and a binder. It is possible that more than one compound will fill each purpose or one compound will serve

multiple purposes. Figure 2 below details some of the possible compounds that serve each of the six purposes [1].

Explosives	Oxidizers	Fuels	Frictionators	Sensitizers	Binders
Azides	Barium nitrate	Antimony sulfide	Antimony sulfide	TNT	Gum Arabic
Fulminates	Potassium chlorate	Gum arabic	Calcium silicide	PETN	Karaya gum
Diazo compounds	Lead dioxide	Calcium silicide	Ground glass	Tetracene	Rubber cement
Nitro(so) compounds	Lead nitrate	Nitrocellulose	Aluminum powder		Dextrin
Ex: Lead azide		Carbon black			Glue
Lead styphnate		Lead thiocyanate			Gum tragacanth
TNT		Powdered metals			Sodium alginate
PETN		Ex: Al, Mg, Zr, or alloys that use those elements			

Figure 2: Potential compounds capable of fulfilment of a purpose needed within primers. Adapted from Wallace [1]

As shown in Figure 2, the primary GSR particles can come from any and all of the various compounds as they decompose from the rapid burning of the primer [1]. Due to the unhealthy effects of these elements, some ammunitions manufacturers have begun developing Sintox® or lead free ammunition. One such manufacturer that produces this type of ammunition is RUAG. Within the cartridge, some compounds, if not all, of the compounds have been replaced with more safe alternatives [1].

Once the firearm has been discharged, the GSR spreads out in all directions and depositing on whatever surfaces that may be present. In 2003, Fojtášek *et al.* found a minimal radius of 3 meters from the shooters position, but in the forward right direction detection of GSR can extend 10 meters from the shooter's position [14].

Figure 3: Depiction of maximum distance travelled of detected GSR. Adapted from Fojtášek *et al.* [14]

Figure 3 summarizes the results of the Fojtášek *et al.* experiment as the maximum distance from the firearm in the tested directions that GSR particles were detected. GSR particles were found along the depicted lines up to the distance labeled stemming from the shooter, represented by the black dot, and shooting in the direction of the arrow [14]. The deposits of GSR that moved backwards and towards the sides came from breach deposits mainly. Openings around the breech mechanism, ejection port, and even the gaps between the cylinder and barrel in a revolver allow for gas to escape before solidifying into the spherical GSR particles. Muzzle deposits travel out of the barrel with the projectile and move into a forward firing direction [11]. Any person or thing within the depicted range could walk away from the area with GSR particles from the discharge on them. This study shows that even by simply being a bystander, a person could acquire GSR particles.

One of the earliest studies on gunshot residue, from Stone and Petty [15], examined the amounts of GSR under various conditions. It was observed that different firearms and

ammunitions deposit different amounts of GSR. As a result, any experiments should be conducted with the same/questioned firearm and with the same lot of ammunition if available, the same manufacturer at the very least. Stone and Petty found that in their experience, GSR particles were difficult to detect when fired from a pistol that auto-loads a .32 caliber or smaller type of ammunition [15]. The 9 mm that has been selected for this study is a larger caliber than .32 and is acceptable for use given Stone and Petty's findings.

Following collection of GSR, which will be discussed in detail later, there are numerous possible methods to analyze GSR. There is the paraffin test, also known as the diphenylamine or Gonzales test in which dark blue spots will appear in the presence of nitrate/nitrite compounds such as the lead or barium nitrate which are used as oxidizers in primers. Primarily, nitro compounds come in the form of nitrocellulose and nitroglycerin used in double base propellant powders. To perform this test, melted paraffin wax is brushed onto the person of interest's skin, often the hand, and allowed to cool over time prior to the wax being peeled off. A diphenylamine/sulfuric acid reagent was sprayed or dropped onto the wax which came into contact with the skin. If the blue color appeared, then nitrate/nitrite compounds were detected. The difficulty with the paraffin test is that it is not specific to gunshot residue. Numerous actions could result in nitrate/nitrite compounds to be left on skin, not just discharge of a firearm. For example: fertilizer; paint; urine; pharmaceuticals; and tobacco could yield a positive result showing the presence of nitrate/nitrites [1].

Neutron activation analysis (NAA) was a method developed to quantify the presence of antimony and barium. Atomic absorption spectroscopy (AAS) is an instrumental technique

which can also quantify antimony and barium, but also has a lower detection limit for lead than NAA. AAS can also detect other elements such as mercury and copper. NAA involved the irradiation of a sample for a specific period of time within a nuclear reactor. Some elements may acquire additional neutrons, these atoms are known as radionuclides, and some elements may gain extra electrons. As a result of having the excess number of electrons, the atoms will have excess energy and will need to release that energy, as gamma rays. The irradiated sample is then introduced to a radio counter system for qualification and quantification. The energy and decay lifetimes of the emitted gamma rays will qualify the sample, if gamma rays are being produced. The quantity of the element is directly proportional to the number of gamma rays per time unit against the energy of the gamma rays [1]. For example, barium and antimony standards were irradiated for three minutes and once they were transferred to the radio counter system, the quantity of barium was found using 163 keV gamma ray of 83 minutes while the quantity of antimony was found using 564 keV gamma ray of 67.2 hours [3]. A method similar to AAS is known as inductively coupled plasma-optical emission spectroscopy (ICP-OES) [16]. The ICP could also use a mass spectrometer unit as a detector. In general, NAA, AAS, and ICP-OES or ICP-MS are methods used for bulk elemental analyses. Whereas SEM/EDX, which will be the analysis method for this study and will be discussed in greater detail later, can allow for visualization and analysis of individual particles which makes it a preferred method. There are additional analytical methods for the analysis of organic GSR but will not be the focus of this study [1].

Skin:

A person's skin is composed of three separate layers with varying thickness depending on where the skin is on the human anatomy. The epidermis, the outer layer, is composed of keratinocytes, melanocytes, and Langerhans cells. Keratinocytes produce keratin, melanocytes produce pigment which give color to the skin, and Langerhans cells cause any sort of immunological response needed by the skin. Hair follicles, eccrine sweat glands, and apocrine glands can be found within this layer of the skin which could interfere or aid in the retention of GSR particles. The eccrine sweat glands produce sweat for body temperature regulation onto the surface of skin. Apocrine glands produce an episodic and odorless secretion from areas such as areolae, eyelids, ear canals, and axillae [17]. Hair follicles contain a growing hair within each as the hairs progress through the three phases of growth: anagen, when the hairs are growing; catagen, when the hair follicle shrinks and growth slows down; and telogen, when growth of hair stops completely, detaches from the hair follicle, and a new hair begins growing and pushes out the older hair [18]. A 2004 study found that hair would act as an effective filter for gunshot residue. The hair prevented various forms of GSR such as burnt or unburnt powder and stippling from coming into contact with the skin [19].

Below the epidermis resides the dermis, the dermis is a support matrix for the skin. Collagen fibers found within the dermis exist in different types depending on the age of the skin and the primary role of collagen is a skin's tensile strength. Elastin fibers, ground substance, and dermal muscle cells are also contained within the dermis [17]. Below the dermis sits the subcutaneous tissue layer which: contains nerve cells and blood vessels that are larger in size

than in previous layers as they branch out to the rest of the body; stores fat; and attaches the dermis to muscles and bones [20]. The difficulty with skin comes when trying to check an individual for gunshot residue. The gunshot residue that is deposited onto the skin is either organic gunshot residue (OGSR) or inorganic gunshot residue. Inorganic GSR exists in commonly seen forms such as lead, barium, and antimony from the primer. OGSR in certain types of ammunitions take the form of compounds such as: diphenylamine; ethyl centralite; dimethyl phthalate; 2-nitrodiphenylamine; and 4-nitrodiphenylamine. Moran and Bell examined these five compounds in a 2014 study. It was found that OGSR was largely lost due to evaporation and absorption into the skin. Loss from secondary transfer, contact with an object or person and transferring particles between the two, was negligible for OGSR [21]. Inorganic GSR does not interact with the skin in the same way as OGSR. Substance data sheets, or material safety data sheets (MSDS), report that Inorganic GSR elements such as lead, barium, and antimony are merely skin irritants. They would become more harmful if ingested or inhaled [22, 23, 24, 25]. The lack of absorption or evaporation would enable these particles to reside on the surface of the skin to be removed through other factors such as secondary transfer.

Collection:

Once the GSR was deposited onto the skin, it would need to be collected for analysis. One method is the use of swabs, which are pieces of cotton, in which the swabs are either cotton alone or cotton placed onto a wooden applicator. The swabs may be dry or moistened with alcohol or nitric acid prior to be run across the substrate to collect GSR [26]. Following

collection, swabs can be ultrasonicated or microwave digested to extract liquid solution for future analysis with instruments capable of bulk analysis.

Another method involves the use of stubs, which are aluminum stubs with carbon-coated adhesive tape attached to the stubs. The stub is dabbed across the substrate to collect GSR particles until the stickiness of the tape is gone [26]. A problem may arise from substrates that encounter large amounts of perspiration. It was surmised from Wolten *et al.* that perspiration may cause GSR particles to be retained more so than normal which could counteract any loss of effectiveness of the adhesive tape from a perspiring substrate [11]. These stubs can be placed directly onto an SEM mount for analysis [26]. Reid *et al.* conducted a study that compared swabs against stubs. It was found that the stubs are more effective for collection and resulting analysis of primer GSR, but swabs should not be discounted if the substrate is smooth or if analysis of propellants is required [7]. Wrobel *et al.* examined the properties of different lifting mediums in order to find the best lifting method for use in an SEM for analysis. The elemental composition of the adhesive, the properties of the adhesive, and the stability of the adhesive when exposed to a vacuum and electron beam all had to be considered [6]. Elemental composition of the adhesive is a concern when you consider what is being examined. Attempting to examine a sample for lead when the adhesive is already contaminated with lead will make it difficult to discern what lead particles came from the adhesive and what particles came from the sample. The properties of the adhesive can help to avoid problems with charging of a sample. If the sample material is non-conductive and so is the adhesive, then the sample could charge up and make analysis of the sample difficult. The benefit of using double-sided carbon coated adhesive tape placed onto an aluminum stub is

four-fold: it requires no additional prep-work before SEM analysis; the stub can be placed directly into a mount; the carbon in its graphite form on the adhesive will act as a conductor to allow for grounding of the sample to remove any excess charge being built up should the sample material be non-conductive; and the carbon simply shows up as a black surface to contrast the varying shades of white from other particles.

SEM/EDX:

The scanning electron microscope with an energy dispersive x-ray spectroscopy system (SEM/EDX) is a very useful instrument in the analysis of small particles. SEM/EDX is capable of providing: high magnification images; high resolution images; and elemental composition determination. A labeled SEM/EDX unit is depicted below in Figure 4.

Figure 4: JEOL JSM-6490LV® SEM/EDX. 1) Filament and electron gun location 2) Focusing lenses and scanning coil
3) Stage 4) SEM control unit 5) EDX Detector 6) Computer display

At the top of the microscope column resides a filament that is commonly made of tungsten.

While the system is in a vacuum, a high potential is passed across the filament to generate

electrons that are then propelled down the column by an electron gun. An acceleration voltage is applied to move the electrons down the column with the desired amount of energy in order to penetrate the sample and excite the atoms of the sample. The electrons will naturally spread out within the column as they travel and need to be focused back into an electron beam by a series of focusing lenses [27].

Burnett examined the variety of acceleration voltages that have been used through the past 25 years. It was reported that the majority of articles did not mention the voltage utilized. Of the reported acceleration voltages, the majority used 25 kV followed by 20 kV and then 30 kV. From Burnett's experiment, he found that a larger voltage allowed for more GSR particles to be visualized [28]. The question comes down to why is that so? What is the difference between acceleration voltages? What voltage is required? An SEM will require an acceleration voltage of sufficient energy to penetrate deep into the sample and excite the atoms of the sample to result in all of the potential energy lines. The voltage should be approximately one and half times the largest energy line of the sample. The largest would be the approximately 14.76 keV of lead's L_{Y1} peak. The calculation results in 22.14 kV needed as the minimum acceleration voltage. Rounding up to the next multiple of five to account for any possible errors from prior rounding or beam strength generation problems would result in the 25 kV that most of the articles reported, if reported, within Burnett's research. When it came to the acceleration voltage, Goldstein *et al.* found that a balance was needed between the instruments need to create sufficient overvoltage and minimize the absorption so as to allow for adequate energy for the beam and penetrate deeper into the sample. As a result, an acceleration voltage from 20 kV-30 kV would be acceptable for SEM-EDX instrumentation to penetrate the sample and

excite the electrons within the atoms of the sample [29]. With the desired voltage, the beam of electrons then pass through the scanning coil which allows for the electrons to be scanned over the whole of the sample. The scan coil moves the electron beam across the sample in a series of horizontal passes which accumulate into a rectangle known as a raster to generate an image [26]. When the electrons finally strike the sample, it is the interaction with the atoms of the sample that allow for visualization and elemental analysis within the raster.

Figure 5: Diagram of sample electron movement to yield a detectable signal (with permission of Springer) [30]

The incident electron penetrates the sample and excites an inner electron to the point at which it is ejected from the atom. The incident electron is backscattered as a result of its interaction with the atom. The large amount of energy in the incident electron will allow it to penetrate deeper into the sample and can yield some information about the sample composition. The inner electron that was ejected has a lesser amount of energy relative to the backscattered electron as a result of collisions and other interactions within the sample. As a result, this secondary electron is likely to stay within the sample and only leave for detection if the atom was near the surface. Secondary electrons provide information about the surface of

the sample if the electrons were able to leave the sample in order to be detected. Returning to the workings of the atom, the inner electron (K) shell needs to be filled, so one of the excited outer or valence electrons moves in and takes the electron's place. The transitioning electron from L, M, or N shell down to the innermost K shell will result in the emission of a quantum of energy in the form of an x-ray photon. For a given element, the transition from a higher shell down to the K shell, photons of various energies will be released with a wavelength specific to each element. The combinations of all the possible energy levels being present allows for the EDX system to determine what element is being examined in an all-or-nothing situation in that all peaks must be present to make the determination of an element. The released x-ray photons may interact with electrons in atoms, either the one that created the photon or a different atom. If the photon is of a great enough energy to excite an electron in the outer shell of an atom, that electron may be ejected from the atom and is known as an Auger electron. These electrons can be analyzed separately from the x-ray photons through Auger electron spectroscopy (AES) [27].

Figure 6: Sample diagram of an EDS detector (with permission of Springer) [31]

The figure above details the components of an EDS system. EDS was the previous name for EDX, as it is referred to now. The Si (Li) detector crystal can absorb the x-ray photons present and release a photoelectron. A bias then sweeps the photoelectrons into a charge pulse. Following that, a preamplifier converts the photoelectrons to a pulse of voltage. A linear amplifier will boost and shape the signal that can then be interpreted by a computer and provides a read out of results in the form of a histogram (see for example, Figure 8) [29].

The detected elements typically have multiple peaks characteristic to each element depending on the movement of the energy from its excited state towards a ground state.

Figure 7: Potential electron transitions within an atom to determine K, L, and M series x-rays [32]

For the inner most electron, the decrease from the K level (electron shell) signifies a K notation. If the electron moves down one energy level to the L level, it receives an alpha (α) notation. If the electron moves down two energy levels at once to the M level, it receives a beta (β) notation [29]. An enhancement CD supplied as part of Goldstein *et al.* enabled table 1 to be produced for the first 3 transition levels K, L, and M [29].

Table 1: Energies of transition levels for the listed elements (in keV)

Transition Level	29-Copper (Cu)	51-Antimony (Sb)	56-Barium (Ba)	82-Lead (Pb)
K	8.98	30.49	37.45	88
L _i	1.0989	4.693	5.9949	15.855
L _{ii}	0.934	4.131	5.254	15.174
L _{iii}	0.933	4.132	5.247	13.04
M _i	0.10201	0.695	0.924	3.827
M _{ii}	0.0759	0.811	1.144	3.542
M _{iii}	0.0759	0.761	1.069	3.064
M _{iv}	0.003	0.537	0.797	2.592
M _v	0.003	0.528	0.782	2.49

Figure 8 depicts an EDX spectrum of a copper sample. The expected peaks can be calculated using the difference between the critical ionization energies at each state, or through Moseley's Law. For example, using Figure 7 and Table 1 above, the energy of the $\text{CuK}\alpha_1$ can be calculated by taking the difference between K and L_{iii}. The resulting calculation has a value of 8.047 keV for $\text{CuK}\alpha_1$ which can be seen in Figure 8. Only a $\text{CuK}\alpha$ peak is present due to the resolution of the EDX system. The limited resolution results in a single peak comprised of both $\text{CuK}\alpha_1$ and $\text{CuK}\alpha_2$ peaks, the latter of which is calculated as 8.046 keV.

Figure 8: K-Series and L-Series peaks of copper (with permission of Springer) [33]

The expected peaks for lead, barium, and antimony can be calculated the same way provided the transition level has been calculated in Table 1.

The problem with SEM-EDX analysis comes from samples with multiple elements such as the NIST glass standard K309 shown below [29].

Figure 9: Spectrum and peak assignment for NIST Glass K309 (with permission of Springer) [34]

Within samples with multiple elements there is the potential for peak overlap. Certain elements may interfere with one another or overlap which could make the spectrum appear to have an

element that is not actually present. The table below depicts some of the common peaks and what they may interfere with within geological samples [29].

Table 2: Elements and their interferences within an EDX analysis (with permission of Springer) [35]

Element	Interferes with	Where found
Ti $K\beta$	V $K\alpha$	Steels, Fe–Ti oxides
V $K\beta$	Cr $K\alpha$	Steels
Cr $K\beta$	Mn $K\alpha$	Steels
Mn $K\beta$	Fe $K\alpha$	Steels
Fe $K\beta$	Co $K\alpha$	Steels, magnetic alloys
Co $K\beta$	Ni $K\alpha$	Steels, hard surfacing alloys
S $K\alpha, \beta$	Mo $L\alpha$, Pb $M\alpha$	Minerals, lubricants, sulfides, sulfates
W $M\alpha, \beta$	Si $K\alpha, \beta$	Semiconductor processing
Ta $M\alpha, \beta$	Si $K\alpha, \beta$	Semiconductor processing
Ti $K\alpha$	Ba $L\alpha$	Optoelectronics, silicates
As $K\alpha$	Pb $L\alpha$	Pigments
Sr $L\alpha$	Si $K\alpha$	Silicates (feldspars in particular)
Y $L\alpha$	P $K\alpha$	Phosphates

A sample spectrum of maraging steel shown below illustrates the point of iron interfering with cobalt as shown in Table 2.

Figure 10: a) EDX spectrum of maraging steel b) EDX spectrum of maraging steel with $\text{FeK}\alpha$, β subtracted (with permission of Springer) [36]

The anomalous broad peak in Figure 10 which was labeled by the system as $\text{FeK}\beta$ was in fact a combination of two peaks. When the iron peaks are subtracted, the $\text{CoK}\alpha_{1,2}$ peak becomes visible in black which starts the anomalous broad peak from the original spectrum [29].

Chapter 3- Method and Materials

Required Materials:

This study utilized a Hi-Point C-9 9mm pistol. The ammunition selected was reloaded ammunition. The reloaded ammunition utilized 115 grain 9 mm bullets made from Missouri Bullet Co. lead. The cartridge casings were filled with 4.1 grains of Hodgdon titegroup powder and 4, 4 boxer small pistol primers from Sellier & Bellot.

In addition to the firearm and its selected ammunition, Lysol® disinfecting wipes, Neutrogena® Oil-Free Cleansing Wipes, heavy duty paper towels, double-sided carbon coated adhesive tape, aluminum SEM mounting stubs, and SEM sample containers were used.

Subject Criteria:

Subjects applied to the study on a voluntary basis after obtaining WVU IRB (Protocol #1508780675) approval. Ages of all subjects were allowed to range from 18-32. The subject's skin type (dry, neutral, oily, or combination) and gender (male or female) were noted in order to observe possible trends stemming from these two factors. Subjects of specific gender or skin type were not searched for exclusively. In order to determine the skin type of an individual, three observations were taken into account. First, what the subject reported their skin type to be based on personal experiences. Second, any visual cues noticed from the potential participants during the course of the research that would indicate a skin type. Finally, an in house latent fingerprint development test was conducted. The participant ran a finger across their forehead and then applied the selected finger onto a glass slide for development by

dusting with black powder. This process was conducted a second time with another finger across the top of their cheek bone. The second time across the cheek will be used to determine if the subject has combination skin, that is to say one type of skin in the t-zone (forehead, nose and chin) and another type of skin elsewhere such as the cheeks. A dry skin would result in minimal development while an oily skin would result in excessive development, possibly to the point of being unable to see a latent fingerprint. Together, the three criteria will determine a person's skin type. General activities of the subjects should be noted in order to detect and avoid potential sources of contamination such as: a firearms enthusiast who may surround him/herself in additional sources of GSR; a mechanic who works on/near brake pads and would be exposed to brake dust which is also composed of lead, barium, and antimony; and chemists who may be exposed chemicals containing these three elements. Subjects who were exposed to potential sources of contamination were asked to refrain from those activities during the course of testing. For example, Andrasko and Maehly conducted a similar study involving the persistence of GSR particles on an individual's hands. The subject was a chemist and had interacted with antimony oxide (Sb_2O_3) and large bright particles of antimony were detected. While GSR particles were detected from this subject at the three hour mark since discharge of the firearm, the presence of cubic particles from the antimony the chemist handled could have falsely bolstered the count of GSR particles detected if not discounted as GSR by the analyst based on its morphology [4].

Collection Materials:

The sample stubs were assembled in house from their core components that were purchased from Electron Microscopy Science (emsdiaum.com). The materials consisted of 10 mm aluminum mounts (Cat. # 75330) and 12 mm (W) x 20 m (L) double sided carbon tape (Cat. #77817-12). The lab bench top, scalpel, and scissors were cleaned with isopropanol before use to assemble the stubs. The roll of tape was slowly unrolled and aluminum mounts were placed firmly on the tape as it was exposed from the roll. The scalpel cut the tape into more manageable segments before they were cut into individual pieces. The oversized square tape was then trimmed down into a circular shape with the scissors. This resulted in completed stubs with the white backing remaining on one side to protect the adhesive on the other side of the tape, ready to be removed prior to collection.

Sample Collection Procedure:

Each collection of a sample consisted of two stubs, one to be applied to the face and another to be applied to the hand of the subject. To ensure consistent sampling, each surface received 31 stub-to-skin contacts to meet the minimum requirements for the sampling hands protocol as cited by SWGGSR [26]. Figure 11 depicts the sample test site on a subject's hand and face. The hand stub was dabbed across their dominant hand from the thumb to the index finger and the webbing in between on both sides (palm and back) of the hand. The face stub was dabbed across the top of the cheek bone below the subject's eyes,

Figure 11: Sample collection sites a) face diagram adapted from J. Medlej [37] b) hand diagram

across the nose, repeating the same cheek area on the other side of the face, and back again until the set 31 dabs were obtained.

Samples were stored into stub holder containers until full with twelve stubs and then they were transferred to a permanent sample holder in the lab. The container was then cleaned prior to storing the next set of stubs.

Background Spectrum:

Background information for any pre-existing GSR on a subject from daily life was collected. This average GSR related particle count for a background allows for subtraction from the particle count from a test trial in the event that the testing site (face and hands) were not cleaned prior to a trial.

On test days when the samples were to be taking immediately after discharge, a background sample was collected beforehand. Following the same sample collection procedures, stubs were collected from the subject's hands and face before any contact with the

firearm. The subject was then supplied a Neutrogena® Oil-Free Cleansing Wipe to clean their hand and face of any potential GSR particles that may be present on their skin and had not been collected by the stub. A heavy duty paper towel was then supplied for the subjects to dry their faces after use of the wipe. Once completed, testing would proceed as described below in the experimental procedure section.

Experimental Procedure:

On a testing day, the subjects were given a two hour window during which to appear and complete a test trial at the container shooting range from Laser Shot. The range's ventilation system operated at an average wind speed of approximately 1 mph (± 0.2 mph). The lowest recorded average was 0.7 mph and peaked at an average maximum speed of 1.2 mph traveling downrange from the subjects shooting position as recorded by a Kestrel 1000 electronic handheld wind meter that was recorded each day for 13 trial days. Eye and ear protection was supplied to all persons within the range during operation. Partway through the collection of samples, it was observed that the safety glasses partly or completely rested over the test site area depicted in Figure 11a and Figure 12 apart from the nose. Once this was realized, a smaller, more streamline pair of safety glasses was worn by the subjects to cover up less of the subject's cheeks and the testing region was extended a small distance lower on their cheeks.

Figure 12: Model wearing safety glasses as an example to how the safety glasses covered the facial test site [38]

Subjects were instructed on proper safety measures prior to contact with the firearm.

Once the subject was ready and safety had been addressed, a single round of ammunition was loaded, cocked, and considered a live firearm. Following the researcher's instructions, the subject discharged the firearm and returned the firearm to the researchers.

The subject was then reminded on how and when the samples would be collected. The samples were collected after a set period of time had passed for the trial day. The periods of time ranged from immediately to 2, 4, 6, or 8 hours after the discharge of the firearm. During this time, the subjects were allowed to conduct their daily activities. It was requested they, if possible, avoid washing their hands or face during this period of time. If that was not possible, the subjects were asked to report which site and how many times the site was washed. For every set of stubs collected from the hand and face, aside from the background samples collected prior to a discharge, there was a round of ammunition discharged.

The firearm was then wiped down with a Lysol® disinfecting wipe and dried with a heavy duty paper towel before the next subject comes into contact with the firearm. This is to

minimize any potential contamination from the previous subject's discharge. These processes were conducted for every discharge.

SEM/EDX Analysis:

A JEOL JSM-6490LV with the JEOL Scanning Electron Microscope: SEM Control User Interface, Version 8.14 software was used to image the samples. This software was used to set the SEM up for imaging of the samples with the following settings:

Table 3: SEM/EDX Program Settings for the Analysis of GSR particles

Signal	BES
Acceleration Voltage	25 kV
Spot Size	64
Working Distance	20 mm*
Magnification	x500
Vacuum	High Vacuum

*The working distance would be set to 20 mm initially, but would increase to 22 mm as a result of bringing the image into focus when the objective lens that focuses the beam of electrons moves further away from the sample

The SEM unit is equipped with an Oxford Instruments INCAx-sight model 7623 energy dispersive x-ray spectroscopy system. The INCAx-sight operates with the Microanalysis Suite Issue 17b + SP2, Suite Version 4.09, and system number 12223 software. The software is capable of searching a designated region automatically one field at a time. A GSR package that was installed into the software allows for utilization of a GSR recipe which resulted in rankings of unique, indicative, environmental, and unclassified depending on the spectra from each

feature and the peak identification calls made by the energy dispersive x-ray spectroscopy system as define in Table 4 with anything outside of these classifications labeled as unclassified.

Table 4: GSR recipe class set up rank labeling

Class	Rank
SnSbBaPb	Unique
SbBaPb	Unique
SbSnPb	Unique
SbSnBa	Unique
Ti Zn Cu	Unique
SnBaPb	Unique
Ti Zn Sn	Unique
SbBa	Indicative
SbPb	Indicative
BaPb	Indicative
SbSn	Indicative
Sr	Indicative
Ti Zn	Indicative
Sb	Environm...
Cu Zn	Environm...
Ni	Environm...
Pb	Environm...
Sn	Environm...
Au	Environm...
lighter flint	Environm...
Fe	Environm...
Cu	Environm...

A set of 6 stubs and one control sample were loaded into the SEM and once an image was obtained, an automated search protocol was established and initiated. The established protocol was created by following the GSR tab's flow chart as shown in Figure 13 below and implementing the corresponding information.

Figure 13: INCA Suite GSR Flowchart Navigator

The first section, the Project section, shown in Figure 14 where basic information regarding the sample was entered including project owner name, customer notes, project notes, which users have access to the file, and any relevant keywords as desired by the operator.

Figure 14: Project Information Section – blank version

Then, the Sample Information section displayed in Figure 15 could be documented with a sample ID name and any additional relevant sample notes.

Figure 15: Sample Information Section – blank version

Before the software allows access to the remainder of the flowchart, a database was created or recovered from the Recipe section as shown in Figure 16. Once a database had been setup for a given run, a recipe was selected prior to accessing the other sections of the flowchart. For this research, a new database was created with each run and the GSR recipe was selected which automatically set the quant and class setup tabs to GSR as well.

Figure 16: Recipe Section – create database button is marked by an arrow. Database previously created to display remainder of section

The Recipe Setup section displayed below in Figure 17 was utilized to establish early termination clauses, determine what to save during the run, and what to do at the end of the run. The early termination clauses are separated into one of three regions: the field; the area; and the sample. A field refers to a single field of view at a given magnification, also known as a raster when referencing an SEM. An area is a defined shape selected to search through composed of multiple fields. A sample refers to the search protocol as a whole, all of the selected areas and the fields that compose those areas.

Figure 17: Recipe Setup Section – termination clauses, save options, and end of run options as used in this search protocol

These clauses can be triggered by one or more of three criteria: if a total number of features is detected; a total number of features with a given rank (unique, indicative, or environmental) is detected; and total time spent in a sample in minutes. For this research, an area termination clause of 50 unique features was selected. No other termination clauses were set and thus were entered in as zeroes. The runs saved an image of each feature and the corresponding spectrum, along with an image of the field as a whole. The beam and filament were set to turn off at the end of the run in order to preserve the lifetime of the filament.

Each of the areas that were to be searched during the course of the run were created and selected per run in the Area Layout section displayed below in Figure 18.

Figure 18: Area Layout Section – research layout for seven stubs

Initially, a layout was created from scratch to correspond to a full SEM sample holder consisting of seven stubs. The areas, as circles, were selected by viewing three points equidistant apart around the perimeter of the stub and were displayed on the stage mimic once completed to show its position on the stage relative to other areas created. The stage mimic is a 3D representation of the created area layout and any detected features mid-run with their relative positions on the stage. With the areas established, one or more areas can be selected to search over.

Detection Setup section shown below in Figure 19 allows the operator to select options pertaining to the imaging of each field with the microscope such as the resolution of the field image and how long pass images should take to obtain.

Figure 19: Detection Setup Section – field and features settings used in this search protocol

This search protocol utilized a resolution of 1024 x 768, 4 and 20 microsecond passes, and 500 times magnification. This magnification setting automatically set a measure of 0.4870 μm for the “smallest expected feature width” and to ignore features with an area smaller than 14 pixels (1.03 μm ECD). A guard zone, a border of x pixels, as selected by the operator, around the edge of each field in an attempt to avoid overlap of features between fields was not utilized.

After that, the Spectrum Setup section shown in Figure 20 selects the pass settings for the EDX system.

Figure 20: Spectrum Setup Section – EDX system passes and spectrum range settings used in this protocol

This study utilized 2 passes to obtain each spectrum for a feature with the first pass taking 3 seconds and the second taking 5 seconds. A processing time of 3 was selected as a middle ground in terms of time to process a spectrum and remove noise coming from the x-ray signal [39]. A spectrum range of 0-20 keV and 2 K channels was selected.

With all of the settings in place, just prior to initiation of the protocol, two final steps needed to be completed. The first was performing a Quant Optimization in its corresponding section earlier in the flowchart as shown in Figure 21. Using a known standard, copper in this case, the system uses the width and position of the known peaks to optimize the peaks on future elemental calls. Elemental calls refer to the systems classification of a set of peaks as one element or another, during the course of the search protocol.

Figure 21: Quant Optimization Section – a sample quant optimization obtained from the 20th set of samples being searched

The last step in the protocol before telling the system to begin the automated search of the defined areas is to set the thresholds with the Feature Detection section. The threshold represents the upper and lower limit of greyscale values for the system to look for and analyze them upon detection. Figure 22 depicts one such histogram from the 20th set of stubs to be run through the search protocol. The thresholds were set based on gold and cerium standards. The aim of the system was to locate GSR particles consisting of combinations of lead, barium, and antimony (with or without additional elements as defined by ASTM standard E1588-16a [40]).

Figure 22: Feature Detection Section – sample feature detection thresholds set for the 20th set of stubs a) Red threshold over the gold standard b) Blue threshold over the cerium standard

The thresholds were set to extend above the peak for gold in order to detect lead particles and the thresholds were set to extend below the cerium peak to detect barium and

antimony particles. This is due to the fact that the brightness of an object in backscattered mode is shown in greyscale based on the z value of an element, lead would be brighter than gold, while barium and antimony would be darker than cerium requiring the thresholds extending in those directions to cover them in the search protocol. The red portion of the field in Figure 22a shows what would have been analyzed within this field, the same would go for the blue portion in Figure 22b for the cerium standard.

Once all the parameters of the search protocol were selected, the Run section was ready to be utilized as shown in Figure 23. By pressing the red “play” button, the stage would move to the first area’s first field and begin moving from right to left, top to bottom one field at a time searching for features that fall into the set parameters until all fields had been examined or a termination clause had been reached and continue on to the next until all areas were searched.

Figure 23: Run Section – section view prior to starting of the automated search protocol

The automated search protocol was capable of being monitored over the course of a given analysis as shown in the Run section in Figure 23 to observe the current field, the stage mimic, current area, estimated time to completion, summary of class calls, weight percent, and spectrum for each feature. Class summary would list the name, ranks and total count of features registering under the GSR recipe such as SbBaPb with its unique ranking.

The speed at which a search protocol takes to complete can be increased or decreased depending on what change to the parameters occurs. For this study, a balance was obtained in the parameters in order for the search protocol to not take an unreasonable period of time and lose multiple days of work in the event that something went wrong and a run was needed to be repeated. A larger search area, a larger threshold, or greater magnification resulting in more fields to search; any of these factors could drastically increase the run time of the SEM. If the system was allowed to take as much time as it needed to complete a run, an increased threshold, magnification, and scan time would be expected to yield enhanced results. Increasing the threshold would allow for the detection of darker or lighter particles that may be ever so slightly beyond the thresholds range. Increased magnification would allow for the detection of smaller particles. While an increased scan time would enable more signal counts to be received and identify the peaks of a feature.

Once a search protocol was completed, the bottom three sections can be utilized to examine the results. The first section shown in Figure 24 is the Review Classes section. Within this section, the overall results were briefly observed to examine if any error reportedly occurred mid-run, how long the run took to complete, the percent of the stub searched if the

termination clause triggered, and if the raw, and eventually the processed, stage mimics were acceptable compared to past runs.

Figure 24: Review Classes Section – blank version

Following this, the Review Data section in Figure 25 depicts the results in the form of a spreadsheet. Data was listed in the order in which they were analyzed. Information shown that the system collected could be displayed or removed from the spreadsheet and exported to some alternative medium outside of the software for further analysis such as Microsoft® Excel® for this research. The spreadsheet displays information such as the feature count, which area it was found in, which field the count was found in, what rank the system called it, the elements found that triggered the rank, and weight percentages of the elements detected among many columns of information.

Feature	Area	Field	Rank	SbPb	SbPb	Ti	Zn	Pb	Cu	U
1	Circle_1	33	Unique	1						
2	Circle_1	62	Indicative		1					
3	Circle_1	81	Indicative		1					
4	Circle_1	102	Indicative		1					
5	Circle_1	102	Indicative		1					
6	Circle_1	102	Environmental					1		
7	Circle_1	102	Environmental					1		
8	Circle_1	113	Indicative		1					
9	Circle_1	126	Unclassified							1
10	Circle_1	126	Unclassified							1
11	Circle_1	126	Unclassified							1
12	Circle_1	126	Unclassified							1
13	Circle_1	126	Unclassified							1
14	Circle_1	126	Unclassified							1
15	Circle_1	126	Unclassified							1
16	Circle_1	127	Indicative		1					
17	Circle_1	127	Environmental					1		
18	Circle_1	127	Unclassified							1
19	Circle_1	127	Indicative		1					
20	Circle_1	132	Environmental					1		
21	Circle_1	132	Indicative		1					
22	Circle_1	133	Indicative		1					
23	Circle_1	133	Indicative		1					
24	Circle_1	139	Unique	1						
25	Circle_1	142	Unique	1						
26	Circle_1	160	Indicative		1					
27	Circle_1	166	Indicative		1					
28	Circle_1	163	Indicative		1					
29	Circle_1	164	Indicative		1					
30	Circle_1	164	Indicative		1					

Figure 25: Review Data Section – spreadsheet of raw data collected from the 8th set of stubs searched and a sample of the kind of results the system collects

Lastly is the Review Features section in which the results can be examined feature by feature. Figure 26 depicts the first feature from the 8th set of stubs to be searched with this protocol as an example. Feature by feature, the results were checked including the morphology of a given particle, a particle count for a particle that may be composed of multiple features, and the peak identification called by the recipe based on the signals detected.

Figure 26: Review Feature Section – example using 8th set of stubs

Upon completion of the automated search, the results were processed manually as described in Chapter 4- Results. The raw data was exported out of the software and a processed version for analysis of the data was created for each of the runs. These were saved to the computer for further analysis as needed.

Chapter 4- Results

Each run of 6 stubs along with a 7th, control stub at the end to check the operation of the instrument took on average, 1291.753 minutes or approximately 21 hours and 32 minutes. Over the course of this study, 59 pairs of stubs were collected and listed in Table 5. Each pair of stubs in Table 5 were differentiated in storage and for instrumental analysis with either an H or F being added after the number to indicate which test site the stub came from. Samples with numbers from 3-26 utilized the aforementioned larger glasses. Samples 1-2 were not an issue in those regards, while samples 27 and up all utilized the larger test site area and smaller streamlined glasses.

Table 5: Collected numbered sample pairs and the data they represent

	FNNN01	FNOO01	FYON02	MNOO01	MYND02
Background - Trial 1	17	46	35	48	19
Background - Trial 2	31	50	--	54	33
Background - Trial 3	44	56	--	--	42
Zero Hour - Trial 1	18	47	36	49	20
Zero Hour - Trial 2	32	51	--	55	34
Zero Hour - Trial 3	45	57	--	--	43
Two Hour - Trial 1	25	37	16	8	1
Two Hour - Trial 2	2	4	24	--	15
Two Hour - Trial 3	--	--	--	--	38
Four Hour - Trial 1	9	3	5	40	11
Four Hour - Trial 2	39	10	--	--	26
Four Hour - Trial 3	--	--	--	--	--
Six Hour - Trial 1	27	13	--	12	14
Six Hour - Trial 2	59	28	--	--	29
Six Hour - Trial 3	--	--	--	--	58
Eight Hour - Trial 1	6	7	22	30	23
Eight Hour - Trial 2	52	21	--	--	41
Eight Hour - Trial 3	--	--	--	--	53

Under the Review Features tab, the seventh circle in the run, the control stub, was processed to ensure that the SEM/EDX was still detecting GSR particles known to be present after so many hours of running. The raw stage mimic of the control stub from the given run was compared to a past stage mimic as depicted in Figure 27 for the same general pattern between the two runs.

Figure 27: Raw stage mimic of control stub 2F

The control stub was then checked for two known GSR particles depicted in Figure 28. The protocol would be recreated from the beginning to repeat the run if either of the two particles were not detected.

Figure 28: Known GSR particles from control stub 2F a) cluster approximately 55.3 µm in length and 42.6 µm in width b) cluster approximately 17.0 µm in length and 12.8 µm in width

If these two particles are present and the mimic looks similar across all of the detected particles, then the stub was processed to reject any particles that could not be considered GSR. These would include particles that did not include at least one of the expected elements lead, barium, or antimony. Following the processing of the stub, a stage mimic that appears the same as Figure 29 was expected. If these three criteria were satisfactory (the raw mimic, the processed mimic, and the two knowns were detected), then the remainder of the stubs on that run were processed down to the GSR features in the same manner as the control stub.

Figure 29: Processed stage mimic of control stub 2F

With the processing of each stub completed, the results were exported into an Excel[®] file. Both a raw version and a processed version were produced. A morphology column was manually added to the processed version along with a particle count column. Then, each feature was examined to determine its morphology such as particle morphologies depicted in Figure 30 and to determine a particle count.

Figure 30: Sample images of morphologies

The particle count was established to keep track of the fact that some particles were composed of multiple features so, for example, one particle that consisted of four detected features would only be counted as one instead of four. It was these particle counts that were used for the examination of the persistence of GSR particles over time.

In the case of stubs that triggered the termination clause, the particle count and the percent of the stub searched were taken into account to produce an estimate for the number of particles that would have been detected had the protocol not terminated that stubs search early and the trend held throughout the remainder of the stub.

Table 6 and Table 7 summarize the results of the background stubs collected prior to any contact with the firearm on days in which samples were to be collected immediately after the discharge of the firearm. Boxes without values indicate instances where samples were not able to be collected.

Table 6: Number of GSR particles detected on hands per subject prior to contact with the firearm

Reference #	Background Trial 1	Background Trial 2	Background Trial 3
FNNN01	0	0	1
FNOO01	1	0	0
FYON02	1	--	--
MNOO01	0	1	--
MYND02	1	0	0

Table 7: Number of GSR particles detected on faces per subject prior to contact with the firearm

Reference #	Background Trial 1	Background Trial 2	Background Trial 3
FNNN01	0	0	0
FNOO01	0	0	0
FYON02	0	--	--
MNOO01	0	0	--
MYND02	0	1	0

Table 8, Table 9, Table 10, Table 11, and Table 12 summarize the results of the samples collected from the subject's hand after a given wait period. After discharging the firearm, the subjects left the range and returned to an alternative testing site after 2, 4, 6, or 8 hours had passed; except when the sample was collected immediately after discharge such as in Table 8. In the event of a termination clause being triggered, the estimate number was listed along with the original number and the percent of the stub that was searched.

Table 8: Number of GSR particles detected on subject's hand immediately after discharge

Reference #	Trial 1	Trial 2	Trial 3
FNNN01	139	199 / 679 29.3%	112 / 605 18.5%
FNOO01	119 / 442 26.9%	45	100 / 238 42.0%
FYON02	253 / 364 69.6%	--	--
MNOO01	254 / 273 93.0%	71 / 324 21.9%	--
MYND02	182	18	39

*The first number indicates the original particle count, second number indicates the rounded estimate, and the percent refers to how much of the original stub was searched to yield the first number

Table 9: Number of GSR particles detected on subject's hand 2 hours after discharge

Reference #	Trial 1	Trial 2	Trial 3
FNNN01	0	0	--
FNOO01	0	0 (I)	--
FYON02	1	1	--
MNOO01	1	--	--
MYND02	1 (I)	1 (I)	0

*The Roman numerals in parentheses indicates the reported number of times the subjects washed their hands

Table 10: Number of GSR particles detected on subject's hand 4 hours after discharge

Reference #	Trial 1	Trial 2	Trial 3
FNNN01	0 (I)	0	--
FNOO01	0 (I)	0 (I)	--
FYON02	0	--	--
MNOO01	0 (II)	--	--
MYND02	0 (I)	0 (I)	--

*The Roman numerals in parentheses indicates the reported number of times the subjects washed their hands

Table 11: Number of GSR particles detected on subject's hand 6 hours after discharge

Reference #	Trial 1	Trial 2	Trial 3
FNNN01	0	0 (I)	--
FNOO01	0 (I)	0 (I)	--
FYON02	--	--	--
MNOO01	0 (III)	--	--
MYND02	0	0** (I)	0 (I)

*The Roman numerals in parentheses indicates the reported number of times the subjects washed their hands

**Sample was collected later than planned; time was approaching 7 hours after discharge

Table 12: Number of GSR particles detected on subject's hand 8 hours after discharge

Reference #	Trial 1	Trial 2	Trial 3
FNNN01	0 (I)	0 (II)	--
FNOO01	0 (I)	0 (I)	--
FYON02	0 (I)	--	--
MNOO01	0 (V)	--	--
MYND02	0 (I)	0	0 (I)

*The Roman numerals in parentheses indicates the reported number of times the subjects washed their hands

Table 13, Table 14, Table 15, Table 16, and Table 17 summarize the results of the samples collected from the subject's face after a given wait period. After discharging the firearm, the subjects left the range and returned to an alternative testing site after 2, 4, 6, or 8 hours had passed; except when the sample was collected immediately after discharge such as in Table 13.

Table 13: Number of GSR particles detected on subject's face immediately after discharge

Reference #	Trial 1	Trial 2	Trial 3
FNNN01	0	0	0
FNOO01	0	0	1
FYON02	0	--	--
MNOO01	0	0	--
MYND02	0	1	0

Table 14: Number of GSR particles detected on subject's face 2 hours after discharge

Reference #	Trial 1	Trial 2	Trial 3
FNNN01	0	2	--
FNOO01	0	0	--
FYON02	0	0	--
MNOO01	0	--	--
MYND02	1	0	0 (I*)

*The Roman numerals in parentheses indicates the reported number of times the subjects dry wiped their face with a handkerchief

Table 15: Number of GSR particles detected on subject's face 4 hours after discharge

Reference #	Trial 1	Trial 2	Trial 3
FNNN01	0	0	--
FNOO01	0	1	--
FYON02	0	--	--
MNOO01	0	--	--
MYND02	0	0	--

Table 16: Number of GSR particles detected on subject's face 6 hours after discharge

Reference #	Trial 1	Trial 2	Trial 3
FNNN01	0	0	--
FNOO01	0	1	--
FYON02	--	--	--
MNOO01	0	--	--
MYND02	0	0	0

Table 17: Number of GSR particles detected on subject's face 8 hours after discharge

Reference #	Trial 1	Trial 2	Trial 3
FNNN01	0	0 (?*)	--
FNOO01	0	0	--
FYON02	0	--	--
MNOO01	1	--	--
MYND02	0	0	0

*Subject blew their nose an unspecified number of times

In addition to particle counts, other data collected by the EDX system was taken in order to view any other possible trends present when it comes to analysis of GSR as recorded in Appendices A-F.

Chapter 5- Conclusion

Particles of GSR were primarily detected on the hands immediately after discharge, while persistence of the particles on the hand were not significantly different from the background samples. Any GSR particles on the face immediately after discharge and persisting over the tested waited periods were not significantly different from the face background samples. In terms of initial deposition, GSR particles were far more numerous on the hands than the face.

Looking beyond the persistence of GSR, was there anything else that could be determined regarding GSR based on observations and the other data that instrumental analysis recorded? Given the importance of morphology and elemental composition (type), do these factors have any detectable trends? Figure 31 below shows stub by stub, the relationship between type, length, and morphology.

Figure 31: Plot by sample of type and length with morphologies

Table 18: N values – number of features detected for each stub in Figure 31, Figure 33, Figure 34, and Figure 37

Stub Detail	N	Stub Detail	N
51H	51	34H	24
54H	1	35H	1
55H	85	36H	404
57F	1	1H	1
57H	118	20H	207
8H	1	24H	1
43H	56	28F	1
44H	1	2F	5
45H	179	30F	1
46H	1	10F	1
47H	199	15H	1
49H	281	16H	1
32H	378	18H	162
33F	1	19H	1
34F	2	1F	1

In terms of morphology, the detected spheroid particles ranged in length, or maximum Feret, from approximately 1.5 to 20 microns and were primarily tri-component particles with some bi-component, and very few mono-component particles. The particles noted as irregular in morphology were ranging from approximately 1.2 to 34 microns in length and were primarily bi-component particles, with some mono-component particles, and less instances of tri-component particles. The particles with cluster morphology were considerably larger in terms of length ranging from approximately 1.2 to 116 microns and primarily bi- and mono-component particles, with some instances of tri-component particles. In terms of the ASTM guidelines, the sphere particles are larger than the 0.5 to 5.0 microns diameters listed. The remaining particles fall in range with the ASTM guidelines in varying from 1 to 100+ microns, 100+ micron particles being very few in numbers.

During the course of manual checks of the results in each run, it was noted by the operator that the cluster depicted in Figure 28b appeared different from one run to another as depicted in Figure 32.

Figure 32: Images of the same particle across three different runs of the automated search protocol

Because of this observation, the concern of some particles possibly being missed by the system due to a particles orientation was noted for examination. Does the spectrum change with

orientation as plotted in Figure 33? The spectrum area refers to the number of counts received for analysis by the detector during the analysis of any given feature and the direction refers to the angle at which the maximum Feret, the length of the feature, sits from the horizontal in degrees.

Figure 33: Plot by sample of spectrum area and direction

Overall, Figure 33 shows a relatively constant spectrum area per detected feature regardless of the direction. Even as the direction changed, the signal received stayed largely in the same plane. The dissention in the spectrum area such as in 55H, 57H, and 18H are likely the result of a problem that will be discussed later.

A major concern would be if orientation affected the mean grey of the sample. It might be possible that from run to run, a simple rotation one way or another made a particle appear brighter or darker than it should be and as a result, possibly fall out of range of the thresholds set to find the particles. This possibility is examined in Figure 34. While a visible change in the particle may have been noticed, the important factor for detection of a given GSR particle remained consistent regardless of the direction. The thresholds were always set as consistently as possible based on the size and location of the histogram as a whole and the thresholds with the same range at the corresponding peaks.

Figure 34: Plot by sample of mean grey and direction

While the direction moved further away from the horizontal, the mean grey value of the detected features stayed relatively constant. There may have been subtle shifts within range, but that could simply indicate the presence of more or less elements with a brighter appearance under backscattered mode such as lead. The observable differences noted in Figure 32 were likely the result of the SEM image quality be it because the focus, brightness and contrast, stigma, alignment of the moveable aperture, or even a change that occurred mid-run of the instrument.

The dissention of the features mentioned in Figure 33, appears to have been caused largely by clusters. In these cases, the system would trigger an unclassified classification at specific points. These points were around the edges of the cluster and at the convergence points with other particles when the cluster was being formed. Some type of interference is occurring around the edge and at the shadow produced by the convergence that would result in a very weak signal which resulted in the lower spectrum area. These features that triggered the unclassified and environmental copper classifications were manually checked and changed to read as environmental lead as the system should have done if the signals were stronger.

Figure 35: Sample image of one particle that recorded unclassified feature(s) a) unclassified feature on the edge that recorded weak Pb and Al signals with large error rates b) Unique feature more inward that recorded weak Pb, Sb, Ba, and Al peaks with lesser error rates

In many cases, the low counts resulted in larger error rates in the weight percent for the detected elements. The peaks for lead were detected in these features, but the error rates effectively returned them to zero allowing copper, if present, or unclassified to be called instead, depending on the other elements present in the feature. It was these features that were near the edge of the particles in question and had a considerably lower spectrum area than other features. Although, some instances were unclear as to why lead was not called. For instance, one feature, which recorded the largest weight percentage as lead, had a minimal error rate for lead. Despite this, the system's call came out as environmental copper instead of lead, as shown in Figure 36, as a result of the copper quant optimization step during set up.

Figure 36: Sample particle recorded as environmental Cu despite Pb recording a more dominant weight percent

These instances are plainly visible in stub 57H for example in Figure 37.

Figure 37: Plot by sample of mean grey and spectrum area

While most other stubs were clustered into a consistent mean grey, the average measured greyscale recorded across the feature and spectrum area, 57H shows the lower environmental features being separated out from the other features. Even though the signals were weak, these features were still detected during the course of the automated search and should be taken into account. They just needed to be checked manually during the processing step of a run mentioned in the method section above.

This examination of the research upon completion of data collection revealed multiple issues with the experimental design of the study, the first design concern being the range itself.

The range utilized a ventilation system that produced an average wind current of approximately 1 mph traveling down range. Given the small particle size, it is possible that the ventilation system was strong enough to pick up the GSR particles and carry them down range before most, if any, had the chance to be deposited onto the face of the subject. Fojtášek *et al.* reported that in one part of their study examining environmental effects on the distribution of GSR, there was a maximum wind velocity of 5 meters per second (approximately 11.2 mph) from right to left across the shooter. They reported a decrease in the maximum range in the distance GSR traveled at a forty-five degree angle to the right from 11 meters down to 6 meters and in much smaller quantities [14]. With this data, it stands to reason that an approximate 1 mph wind traveling down range could deter GSR particles from traveling backwards along the subject's arm length to reach their face before the ventilation takes hold and pulls the particles down range. In addition, the deposition could have been hindered by the safety glasses worn by the subjects. As mentioned in the experimental procedure section, the safety glasses, as shown in Figure 12, originally supplied covered part or all of the subject's cheeks. The glasses also had a lip at the top and depending on how tight the glasses were worn to the subject's face, this may have provided a sufficient barrier to deter deposition and not settle down from above at the gap. To account for this, beginning with sample 27, the subjects were supplied a smaller, more streamlined safety glasses and the testing region on their cheeks was extended a small distance lower. Realization of the issue with the safety glasses and finding a way to lessen the effects of the ventilation system could have aided the research by not being a possible factor in preventing the initial deposition. The periods of time should also have been shorter. The research was overly ambitious in trying to detect facial GSR up to two times after the reported

period of time in which GSR particles persist on hands during which to collect a sample has passed [2]. Focusing on shorter periods of time approaching four hours such as 0.5, 1, 2, and 4 hours after discharge, would have been a better idea. During the wait periods, the subjects were allowed to continue about their day as normal and were simply requested that they not wash their hands or face prior to collection of the samples. This proved difficult for their hands. Even after the shortest time period of two hours from the primary study, the subjects reported having washed their hands at least once more often than not. However, the subjects did not wash their faces, other than two reported instances of use of a handkerchief to blow their nose which could have removed particles of GSR, at all during the wait periods. The concept at hand is plausible with GSR persisting longer on a person's face than their hand due to the fact that within two hours, after the discharge of the firearm, reports of handwashing was made while the subject's faces remained largely untouched up to eight hours after discharge of the firearm. If the study was to be conducted again, one should try to control the situation more in finding some way to prevent the subjects from washing their hands altogether. The shorter wait periods might have assisted in obtaining more test subjects due to a less cumbersome timetable.

In order to examine some of these potential experimental design flaws, a small two subject study was conducted. Sixteen new samples were produced from the secondary study as detailed below in Table 19. These stubs were collected over the course of three separate days with a round of ammunition discharged prior to each collection.

Table 19: Details of two subject study face samples

Stub #	Subject #	Time Since Discharge	Ventilation	Preparations
1	S1	0 Hours	Off	Water
2	S2	0 Hours	Off	Water
3	S1	0 Hours	Off	Wipe
4	S2	0 Hours	Off	Wipe
5	S1	0 Hours	On	Wipe
6	S2	0 Hours	On	Wipe
7	S1	2 Hours	On	Wipe
8	S2	2 Hours	On	Wipe
9	S1	0 Hours	Off	No Preparations
10	S2	0 Hours	Off	No Preparations
11	S1	0.5 Hours	On	Wipe
12	S2	0.5 Hours	On	Wipe
13	S1	1.5 Hours	On	Wipe
14	S2	1.5 Hours	On	Wipe
15	S1	1 Hours	On	Wipe
16	S2	1 Hours	On	Wipe

The ventilation system in the range was turned on, or remained on, as needed following a discharge in order to allow at least five minutes of ventilation between discharges. The items in the preparations column are ways in which the skin was or was not prepared prior to the discharge of the firearm. Wipe preparations referenced the same procedure as the primary study. Water preparations meant that the subject washed their face with water and no

preparations meant that there was nothing done to the skin outside of the subject's normal routine on a given day prior to the discharge.

The same search protocol on the SEM/EDX was utilized except for four changes. The detection setup was changed to "ignore features smaller than area" of 10 pixels instead of 14 pixels. The 50 unique feature termination clause was removed completely. The feature detection thresholds were drastically increased and the search area of the stubs was reduced. The feature detection thresholds were increased compared to the original search protocol in order to allow for smaller and darker particles to be detected. The automated search protocol under the previous threshold settings struggled to find smaller particles as they were darker than expected based on their elemental compositions. Table 20 details the reduction of the search area for each stub from the old to the new protocol.

Table 20: Details of the seven search areas with the protocol change and the percent removed

Area	Original Search Protocol		Reduced Area Search Protocol		Percent Search Area Removed
	Fields	Scanned Area (sq. μm)	Fields	Scanned Area (sq. μm)	
Circle 1	1436	6.70E+07	1006	4.69E+07	30.00%
Circle 2	1432	6.68E+07	1104	5.15E+07	22.90%
Circle 3	1422	6.63E+07	1104	5.15E+07	22.32%
Circle 4	1466	6.84E+07	1133	5.28E+07	22.81%
Circle 5	1462	6.82E+07	1052	4.91E+07	28.01%
Circle 6	1436	6.70E+07	1052	4.91E+07	26.72%
Circle 7	1466	6.84E+07	1028	4.80E+07	29.82%
Total	10120	4.72E+08	7479	3.49E+08	26.10%

The search area was reduced in order to remove the edges of the stubs that contained numerous detectable features and likely was a result of the production of the mount or stub, not GSR. A search protocol of previously analyzed stubs from the primary study with the updated protocol and same area produced stage mimics as shown below in Figure 38.

Figure 38: Stage mimics from two stubs previously searched a) 51H b) 37H

The sheer quantity of these environmental features around the edge of the search area that were not attributed to GSR required two plus days to complete only half of the search before manual termination of the run as a whole to preserve the life of the filament.

The light blue particle shown in Figure 39 was one of the known clusters expected to be found during the course of the search protocol. The range was increased to include the red, yellow, green, and blue features shown in Figure 39, some of which were attributed to GSR and some were not.

Figure 39: Feature Detection setup of the second set of new stubs

The new thresholds were now low enough to detect environmental copper that could have come from alternate sources outside of GSR when not paired with one or more of the three expected GSR elements.

After the newly collected samples were searched using the updated protocol, the results were compiled into appendices D, E, and F. To examine if the experimental design was flawed with the ventilation or facial wipes, samples were collected immediately after the discharge of the firearm. For instance, samples nine and ten involved no preparation of the skin or any ventilation in the range. These new samples collected immediately after discharge under conditions with or without ventilation and involved some form of preparation of the skin, either water or the facial wipes provided for the original study were compared. The particle count results for each stub collected immediately after discharge are summarized in Table 21.

Table 21: Sample particle counts collected immediately after discharge

Subject	No Prep, No Vent			Water, No Vent			Wipe, No Vent			Wipe, Vent		
	Mono-	Bi-	Tri-	Mono-	Bi-	Tri-	Mono-	Bi-	Tri-	Mono-	Bi-	Tri-
1	1	12	2	3	18	3	1	0	0	0	1	1
2	2	0	0	0	1	0	1	0	0	0	1	1

The samples collected after a shorter wait period than previously designed with the same preparations prior to the discharge are summarized below in Table 22 in the same manner as Table 21.

Table 22: Sample particle counts from stubs collected in 30 minute increments in the same procedure as the primary study

Subject	0 Hours			0.5 Hours			1.0 Hours			1.5 Hours			2.0 Hours		
	Mono-	Bi-	Tri-	Mono-	Bi-	Tri-	Mono-	Bi-	Tri-	Mono-	Bi-	Tri-	Mono-	Bi-	Tri-
1	0	1	1	6	31	3	16	23	4	8	23	3	1	2	1
2	0	1	1	2	7	4	2	0	2	0	0	0	1	1	0

The data from these two tables are summarized and plotted in Figure 40 below.

Figure 40: Particle count plot of new samples

From this plot, we can see that the persistence of GSR particles decay, rapidly approaching zero around 1.5 to 2 hours after discharge. Looking at the data from Table 21 compared to Table 22, a closer examination of the initial deposition should be conducted. We can see the general trend towards zero as we approach 1.5 to 2 hours since discharge, but the samples collected from the face immediately after discharge under various conditions are low. One would expect those samples to peak at the initial deposition and decay over time, but instead we see the peak around 0.5 to 1 hour.

To determine if the preparation of the skin prior to the collection of the sample affected the deposition of GSR particles, Table 23 summarizes the raw particle counts for each preparation condition with no ventilation and the samples collected immediately after discharge.

Table 23: Particle counts of samples collected immediately after discharge under different prep. conditions

	No Prep.	Water	Wipe
Subject 1	15	24	1
Subject 2	2	1	1

While the wipes were incredibly easy to use, with minimal time needed, they do appear to reduce the number of particles detected for subject 1 in the secondary study compared to when water or no preparations were utilized.

Table 24 summarizes the results of the samples collected immediately after discharge, the wipes to prepare the skin prior to discharge, and when the ventilation was on or off.

Table 24: Particle Counts of samples collected immediately after discharge with ventilation turned on or off during discharge

	Vent	No Vent
Subject 1	2	1
Subject 2	2	1

Looking strictly at the raw counts, there does not appear to be any noticeable difference in terms of using ventilation or no ventilation when discharging the firearm. But, this part of the secondary study may be experimentally flawed in design. These samples used the wipes to clean the skin prior to discharge and collection. While Table 23 distinctly shows subject 1 having

more particles deposited when the wipes were not used. Therefore, had there been no preparation or washed with water rather than wipes, the results in Table 24 might be different.

Examination of these new samples based on length, morphology, and type in plots like we saw in the primary study's Figure 31 were plotted and displayed in Figure 41.

Figure 41: Plot by sample of type and length with morphologies of secondary study samples

Table 25: N values – number of features detected for each stub in Figure 41

Stub Detail	N	Stub Detail	N
1#	27	9#	15
2#	1	10#	2
3#	1	11#	40
4#	1	12#	13
5#	2	13#	38
6#	2	15#	43
7#	4	16#	5
8#	2	--	--

The detected sphere particles are few in numbers but do fall within the size range described in the ASTM guidelines and ranged from 2.2 to 4.4 microns in length. The spheres were almost equal part bi- and mono-component particles. The irregular particles were primarily bi-component particles with some mono-component particles, and a few tri-component particles that ranged in length from approximately 2.0 to 11.1 microns. The clusters follow the same trend as irregular particles in terms of tri-, bi-, and mono-component particles and ranged in length from approximately 2.0 to 31.7 microns. The sizes of the particles fall within the expected size range of particles for their corresponding morphology as described in the ASTM. In terms of quantity of each morphology, the spheres were expected to be detected often and the remainder being irregular. Instead the spheres were small in count while irregulars and clusters were far larger in counts.

With the results of the primary and secondary studies taken into consideration, it is possible to detect GSR particles on a subject's face within two hours of discharge. While the initial deposition of particles onto the subject's hand was greater in quantity than the face, they were more readily subject to purposeful removal. The face largely went untouched over the various wait periods, while hands were regularly reported to have been washed prior to collection.

Further research into this topic is strongly recommended. First, the suggested changes previously mentioned with regard to this methodology should be addressed. The shorter wait periods utilized with the secondary study should be expanded on, having more subjects and more replicates. The shorter time period would allow for more control over washing of subject's hands during the wait periods. The shorter wait period could also allow for more subjects to be readily available to participate in the research and result in a more robust sample size. If those results are promising, then one could consider extending the wait period beyond four hours. The preparation of the subjects prior to the discharge of the firearm should be adjusted to no preparation or washing with water rather than facial wipes. How would this change affect the use of ventilation? Would washing the skin prior to a discharge with water and discharging with the ventilation system on be more detrimental to the deposition of GSR than with the ventilation turned off?

To expand upon this research topic, there are a few options one could start with. One set of studies could examine the initial deposition of GSR particles to the face. What is the quantity of GSR that is usually deposited to the face? Were the lower counts collected immediately after discharge compared to the counts after 0.5 to 1 hour wait period an outlier? Or was something else occurring such as transfer from hands to the face through contact. Another set of studies could focus on the skin aspect of deposition and persistence, whether it includes facial GSR or focuses solely on hands. Is there a difference between men and women? In skin type? Are there any other places on the face that could be sampled for GSR particles beyond where this study tested? For instance, immediately around the eye in the event that a mask of some type with only the eyes visible was worn. By addressing those issues and

expanding upon this research, our knowledge on the persistence of gunshot residue can be developed further.

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Appendix A

Unique	Feature	Area Layout	Field	Rank	Stub Details	Background	Position	Time (Hours)
2F1SbPb	2899	Circle_7	3113	Indicative	2F	No	Face	2
2F2Pb	2935	Circle_7	3337	Environmental	2F	No	Face	2
2F2SbBaPb	2968	Circle_7	3337	Unique	2F	No	Face	2
2F2SbPb	2933	Circle_7	3337	Indicative	2F	No	Face	2
2F2Ti Zn Cu	2934	Circle_7	3337	Unique	2F	No	Face	2
36H100SbPb	456	Circle_1	407	Indicative	36H	No	Hand	0
36H101SbPb	457	Circle_1	409	Indicative	36H	No	Hand	0
36H102Pb	462	Circle_1	411	Environmental	36H	No	Hand	0
36H102SbBaPb	461	Circle_1	411	Unique	36H	No	Hand	0
36H102SbPb	464	Circle_1	411	Indicative	36H	No	Hand	0
36H103Pb	476	Circle_1	429	Environmental	36H	No	Hand	0
36H103SbPb	475	Circle_1	429	Indicative	36H	No	Hand	0
36H104Pb	482	Circle_1	434	Environmental	36H	No	Hand	0
36H104SbPb	479	Circle_1	434	Indicative	36H	No	Hand	0
36H105Pb	486	Circle_1	437	Environmental	36H	No	Hand	0
36H105SbPb	487	Circle_1	437	Indicative	36H	No	Hand	0
36H106Pb	491	Circle_1	449	Environmental	36H	No	Hand	0
36H106SbPb	492	Circle_1	449	Indicative	36H	No	Hand	0
36H107Pb	494	Circle_1	461	Environmental	36H	No	Hand	0
36H108Pb	495	Circle_1	463	Environmental	36H	No	Hand	0
36H108SbPb	496	Circle_1	463	Indicative	36H	No	Hand	0
36H109SbPb	500	Circle_1	466	Indicative	36H	No	Hand	0
36H10Pb	45	Circle_1	39	Environmental	36H	No	Hand	0
36H10SbPb	46	Circle_1	39	Indicative	36H	No	Hand	0
36H110BaPb	502	Circle_1	466	Indicative	36H	No	Hand	0
36H110Pb	505	Circle_1	466	Environmental	36H	No	Hand	0

36H110SbPb	504	Circle_1	466	Indicative	36H	No	Hand	0
36H111Pb	506	Circle_1	466	Environmental	36H	No	Hand	0
36H112SbPb	508	Circle_1	466	Indicative	36H	No	Hand	0
36H113SbPb	510	Circle_1	468	Indicative	36H	No	Hand	0
36H114SbPb	511	Circle_1	469	Indicative	36H	No	Hand	0
36H115Pb	516	Circle_1	469	Environmental	36H	No	Hand	0
36H115SbPb	514	Circle_1	469	Indicative	36H	No	Hand	0
36H116Pb	521	Circle_1	471	Environmental	36H	No	Hand	0
36H116SbPb	524	Circle_1	471	Indicative	36H	No	Hand	0
36H116Unclassified	538	Circle_1	471	Unclassified	36H	No	Hand	0
36H117SbPb	541	Circle_1	479	Indicative	36H	No	Hand	0
36H118Pb	542	Circle_1	479	Environmental	36H	No	Hand	0
36H119SbPb	544	Circle_1	479	Indicative	36H	No	Hand	0
36H11SbPb	47	Circle_1	39	Indicative	36H	No	Hand	0
36H120SbPb	545	Circle_1	479	Indicative	36H	No	Hand	0
36H121SbBaPb	546	Circle_1	488	Unique	36H	No	Hand	0
36H122Pb	547	Circle_1	491	Environmental	36H	No	Hand	0
36H122SbPb	550	Circle_1	491	Indicative	36H	No	Hand	0
36H123Pb	554	Circle_1	495	Environmental	36H	No	Hand	0
36H123SbPb	555	Circle_1	495	Indicative	36H	No	Hand	0
36H124SbPb	558	Circle_1	496	Indicative	36H	No	Hand	0
36H125SbPb	560	Circle_1	502	Indicative	36H	No	Hand	0
36H126SbPb	561	Circle_1	502	Indicative	36H	No	Hand	0
36H127Pb	563	Circle_1	506	Environmental	36H	No	Hand	0
36H127SbPb	562	Circle_1	506	Indicative	36H	No	Hand	0
36H128Pb	565	Circle_1	508	Environmental	36H	No	Hand	0
36H128SbPb	564	Circle_1	508	Indicative	36H	No	Hand	0
36H129SbPb	567	Circle_1	511	Indicative	36H	No	Hand	0
36H12SbPb	48	Circle_1	40	Indicative	36H	No	Hand	0
36H130Pb	569	Circle_1	511	Environmental	36H	No	Hand	0

36H131BaPb	574	Circle_1	515	Indicative	36H	No	Hand	0
36H131SbBaPb	570	Circle_1	515	Unique	36H	No	Hand	0
36H131SbPb	573	Circle_1	515	Indicative	36H	No	Hand	0
36H132Pb	577	Circle_1	520	Environmental	36H	No	Hand	0
36H133SbPb	578	Circle_1	523	Indicative	36H	No	Hand	0
36H134Pb	586	Circle_1	527	Environmental	36H	No	Hand	0
36H134SbPb	588	Circle_1	527	Indicative	36H	No	Hand	0
36H135Pb	584	Circle_1	527	Environmental	36H	No	Hand	0
36H135SbBaPb	583	Circle_1	527	Unique	36H	No	Hand	0
36H135SbPb	585	Circle_1	527	Indicative	36H	No	Hand	0
36H136SbPb	589	Circle_1	531	Indicative	36H	No	Hand	0
36H137SbPb	590	Circle_1	538	Indicative	36H	No	Hand	0
36H138SbPb	591	Circle_1	545	Indicative	36H	No	Hand	0
36H139Pb	595	Circle_1	553	Environmental	36H	No	Hand	0
36H139SbPb	594	Circle_1	553	Indicative	36H	No	Hand	0
36H13SbPb	49	Circle_1	45	Indicative	36H	No	Hand	0
36H140SbPb	597	Circle_1	556	Indicative	36H	No	Hand	0
36H141Pb	598	Circle_1	559	Environmental	36H	No	Hand	0
36H142SbPb	599	Circle_1	560	Indicative	36H	No	Hand	0
36H143Pb	604	Circle_1	560	Environmental	36H	No	Hand	0
36H143SbPb	602	Circle_1	560	Indicative	36H	No	Hand	0
36H144SbPb	606	Circle_1	565	Indicative	36H	No	Hand	0
36H145BaPb	616	Circle_1	571	Indicative	36H	No	Hand	0
36H145Pb	614	Circle_1	571	Environmental	36H	No	Hand	0
36H145SbPb	609	Circle_1	571	Indicative	36H	No	Hand	0
36H146Pb	618	Circle_1	573	Environmental	36H	No	Hand	0
36H147Pb	622	Circle_1	574	Environmental	36H	No	Hand	0
36H147SbBaPb	620	Circle_1	574	Unique	36H	No	Hand	0
36H147SbPb	621	Circle_1	574	Indicative	36H	No	Hand	0
36H148Pb	628	Circle_1	574	Environmental	36H	No	Hand	0

36H148SbPb	626	Circle_1	574	Indicative	36H	No	Hand	0
36H149SbPb	629	Circle_1	574	Indicative	36H	No	Hand	0
36H14Pb	52	Circle_1	45	Environmental	36H	No	Hand	0
36H14SbPb	51	Circle_1	45	Indicative	36H	No	Hand	0
36H150Pb	631	Circle_1	574	Environmental	36H	No	Hand	0
36H150SbPb	632	Circle_1	574	Indicative	36H	No	Hand	0
36H151Pb	633	Circle_1	575	Environmental	36H	No	Hand	0
36H152Pb	641	Circle_1	577	Environmental	36H	No	Hand	0
36H152SbPb	638	Circle_1	577	Indicative	36H	No	Hand	0
36H153SbBaPb	646	Circle_1	581	Unique	36H	No	Hand	0
36H153SbPb	645	Circle_1	581	Indicative	36H	No	Hand	0
36H154SbPb	653	Circle_1	585	Indicative	36H	No	Hand	0
36H155SbBaPb	654	Circle_1	588	Unique	36H	No	Hand	0
36H156SbPb	657	Circle_1	589	Indicative	36H	No	Hand	0
36H157Pb	662	Circle_1	595	Environmental	36H	No	Hand	0
36H157SbPb	663	Circle_1	595	Indicative	36H	No	Hand	0
36H158Pb	665	Circle_1	599	Environmental	36H	No	Hand	0
36H159Pb	669	Circle_1	607	Environmental	36H	No	Hand	0
36H159SbPb	668	Circle_1	607	Indicative	36H	No	Hand	0
36H15Pb	53	Circle_1	53	Environmental	36H	No	Hand	0
36H160SbPb	672	Circle_1	612	Indicative	36H	No	Hand	0
36H161SbPb	673	Circle_1	612	Indicative	36H	No	Hand	0
36H162Pb	680	Circle_1	614	Environmental	36H	No	Hand	0
36H162SbPb	678	Circle_1	614	Indicative	36H	No	Hand	0
36H163Pb	694	Circle_1	617	Environmental	36H	No	Hand	0
36H163SbBaPb	689	Circle_1	617	Unique	36H	No	Hand	0
36H163SbPb	691	Circle_1	617	Indicative	36H	No	Hand	0
36H163Unclassified	697	Circle_1	617	Unclassified	36H	No	Hand	0
36H164SbPb	704	Circle_1	617	Indicative	36H	No	Hand	0
36H165Pb	706	Circle_1	622	Environmental	36H	No	Hand	0

36H165SbPb	705	Circle_1	622	Indicative	36H	No	Hand	0
36H166SbPb	707	Circle_1	622	Indicative	36H	No	Hand	0
36H167SbPb	709	Circle_1	631	Indicative	36H	No	Hand	0
36H168Pb	712	Circle_1	646	Environmental	36H	No	Hand	0
36H168SbPb	721	Circle_1	646	Indicative	36H	No	Hand	0
36H168Unclassified	723	Circle_1	646	Unclassified	36H	No	Hand	0
36H169Pb	731	Circle_1	648	Environmental	36H	No	Hand	0
36H169SbPb	730	Circle_1	648	Indicative	36H	No	Hand	0
36H16Pb	57	Circle_1	54	Environmental	36H	No	Hand	0
36H16SbPb	58	Circle_1	54	Indicative	36H	No	Hand	0
36H170SbPb	729	Circle_1	648	Indicative	36H	No	Hand	0
36H171SbPb	732	Circle_1	653	Indicative	36H	No	Hand	0
36H172Pb	735	Circle_1	653	Environmental	36H	No	Hand	0
36H173Pb	738	Circle_1	657	Environmental	36H	No	Hand	0
36H173SbPb	740	Circle_1	657	Indicative	36H	No	Hand	0
36H174Pb	742	Circle_1	659	Environmental	36H	No	Hand	0
36H174SbPb	743	Circle_1	659	Indicative	36H	No	Hand	0
36H175Pb	745	Circle_1	661	Environmental	36H	No	Hand	0
36H176Pb	746	Circle_1	666	Environmental	36H	No	Hand	0
36H176SbPb	748	Circle_1	666	Indicative	36H	No	Hand	0
36H177Pb	755	Circle_1	667	Environmental	36H	No	Hand	0
36H177SbPb	751	Circle_1	667	Indicative	36H	No	Hand	0
36H177Unclassified	753	Circle_1	667	Unclassified	36H	No	Hand	0
36H178Pb	759	Circle_1	681	Environmental	36H	No	Hand	0
36H178SbPb	758	Circle_1	681	Indicative	36H	No	Hand	0
36H179Pb	773	Circle_1	684	Environmental	36H	No	Hand	0
36H179SbPb	771	Circle_1	684	Indicative	36H	No	Hand	0
36H17SbPb	61	Circle_1	57	Indicative	36H	No	Hand	0
36H180Pb	774	Circle_1	687	Environmental	36H	No	Hand	0
36H180SbPb	775	Circle_1	687	Indicative	36H	No	Hand	0

36H181Pb	782	Circle_1	687	Environmental	36H	No	Hand	0
36H181SbPb	778	Circle_1	687	Indicative	36H	No	Hand	0
36H182SbPb	785	Circle_1	694	Indicative	36H	No	Hand	0
36H183SbBaPb	786	Circle_1	703	Unique	36H	No	Hand	0
36H184SbPb	787	Circle_1	703	Indicative	36H	No	Hand	0
36H185Pb	788	Circle_1	711	Environmental	36H	No	Hand	0
36H185SbPb	789	Circle_1	711	Indicative	36H	No	Hand	0
36H186SbBaPb	792	Circle_1	724	Unique	36H	No	Hand	0
36H187Pb	798	Circle_1	725	Environmental	36H	No	Hand	0
36H187SbPb	797	Circle_1	725	Indicative	36H	No	Hand	0
36H188Pb	800	Circle_1	730	Environmental	36H	No	Hand	0
36H188SbPb	801	Circle_1	730	Indicative	36H	No	Hand	0
36H189Pb	803	Circle_1	734	Environmental	36H	No	Hand	0
36H189SbPb	802	Circle_1	734	Indicative	36H	No	Hand	0
36H18SbPb	64	Circle_1	62	Indicative	36H	No	Hand	0
36H190Pb	805	Circle_1	736	Environmental	36H	No	Hand	0
36H190SbPb	806	Circle_1	736	Indicative	36H	No	Hand	0
36H191Pb	807	Circle_1	736	Environmental	36H	No	Hand	0
36H192SbBaPb	812	Circle_1	742	Unique	36H	No	Hand	0
36H192SbPb	810	Circle_1	742	Indicative	36H	No	Hand	0
36H193Pb	813	Circle_1	754	Environmental	36H	No	Hand	0
36H194SbPb	815	Circle_1	766	Indicative	36H	No	Hand	0
36H195Pb	816	Circle_1	769	Environmental	36H	No	Hand	0
36H195SbPb	819	Circle_1	769	Indicative	36H	No	Hand	0
36H196SbBaPb	822	Circle_1	776	Unique	36H	No	Hand	0
36H197SbBaPb	823	Circle_1	777	Unique	36H	No	Hand	0
36H198Pb	824	Circle_1	779	Environmental	36H	No	Hand	0
36H199Pb	830	Circle_1	795	Environmental	36H	No	Hand	0
36H199SbPb	828	Circle_1	795	Indicative	36H	No	Hand	0
36H19BaPb	69	Circle_1	72	Indicative	36H	No	Hand	0

36H19Pb	72	Circle_1	72	Environmental	36H	No	Hand	0
36H19SbPb	67	Circle_1	72	Indicative	36H	No	Hand	0
36H1SbBaPb	2	Circle_1	12	Unique	36H	No	Hand	0
36H200Pb	833	Circle_1	795	Environmental	36H	No	Hand	0
36H200SbPb	838	Circle_1	795	Indicative	36H	No	Hand	0
36H200Unclassified	837	Circle_1	795	Unclassified	36H	No	Hand	0
36H201SbBaPb	840	Circle_1	799	Unique	36H	No	Hand	0
36H202SbPb	841	Circle_1	802	Indicative	36H	No	Hand	0
36H203Pb	842	Circle_1	802	Environmental	36H	No	Hand	0
36H204Pb	846	Circle_1	803	Environmental	36H	No	Hand	0
36H204SbPb	850	Circle_1	803	Indicative	36H	No	Hand	0
36H204Unclassified	849	Circle_1	803	Unclassified	36H	No	Hand	0
36H205Pb	851	Circle_1	806	Environmental	36H	No	Hand	0
36H205SbPb	854	Circle_1	806	Indicative	36H	No	Hand	0
36H206Pb	864	Circle_1	807	Environmental	36H	No	Hand	0
36H206SbPb	858	Circle_1	807	Indicative	36H	No	Hand	0
36H207SbPb	866	Circle_1	810	Indicative	36H	No	Hand	0
36H208SbPb	867	Circle_1	815	Indicative	36H	No	Hand	0
36H209BaPb	955	Circle_1	819	Indicative	36H	No	Hand	0
36H209Cu	913	Circle_1	819	Environmental	36H	No	Hand	0
36H209Pb	874	Circle_1	819	Environmental	36H	No	Hand	0
36H209SbBaPb	895	Circle_1	819	Unique	36H	No	Hand	0
36H209SbPb	873	Circle_1	819	Indicative	36H	No	Hand	0
36H20Pb	76	Circle_1	75	Environmental	36H	No	Hand	0
36H20SbPb	75	Circle_1	75	Indicative	36H	No	Hand	0
36H210SbBaPb	962	Circle_1	820	Unique	36H	No	Hand	0
36H210SbPb	961	Circle_1	820	Indicative	36H	No	Hand	0
36H211SbPb	964	Circle_1	821	Indicative	36H	No	Hand	0
36H212SbPb	967	Circle_1	825	Indicative	36H	No	Hand	0
36H213Pb	972	Circle_1	826	Environmental	36H	No	Hand	0

36H213SbPb	971	Circle_1	826	Indicative	36H	No	Hand	0
36H213Unclassified	973	Circle_1	826	Unclassified	36H	No	Hand	0
36H214Pb	977	Circle_1	829	Environmental	36H	No	Hand	0
36H214SbPb	981	Circle_1	829	Indicative	36H	No	Hand	0
36H215SbPb	991	Circle_1	837	Indicative	36H	No	Hand	0
36H216SbPb	994	Circle_1	840	Indicative	36H	No	Hand	0
36H217SbPb	999	Circle_1	842	Indicative	36H	No	Hand	0
36H218Pb	1000	Circle_1	846	Environmental	36H	No	Hand	0
36H218SbPb	1001	Circle_1	846	Indicative	36H	No	Hand	0
36H219SbPb	1002	Circle_1	847	Indicative	36H	No	Hand	0
36H21Pb	90	Circle_1	76	Environmental	36H	No	Hand	0
36H21SbPb	79	Circle_1	76	Indicative	36H	No	Hand	0
36H220Pb	1014	Circle_1	856	Environmental	36H	No	Hand	0
36H220SbPb	1005	Circle_1	856	Indicative	36H	No	Hand	0
36H221SbBaPb	1016	Circle_1	858	Unique	36H	No	Hand	0
36H222BaPb	1024	Circle_1	862	Indicative	36H	No	Hand	0
36H222Pb	1022	Circle_1	862	Environmental	36H	No	Hand	0
36H222SbPb	1017	Circle_1	862	Indicative	36H	No	Hand	0
36H222Unclassified	1020	Circle_1	862	Unclassified	36H	No	Hand	0
36H223Pb	1032	Circle_1	869	Environmental	36H	No	Hand	0
36H223SbPb	1030	Circle_1	869	Indicative	36H	No	Hand	0
36H224SbPb	1036	Circle_1	882	Indicative	36H	No	Hand	0
36H225Pb	1039	Circle_1	882	Environmental	36H	No	Hand	0
36H225SbBaPb	1038	Circle_1	882	Unique	36H	No	Hand	0
36H225SbPb	1040	Circle_1	882	Indicative	36H	No	Hand	0
36H226Pb	1045	Circle_1	888	Environmental	36H	No	Hand	0
36H226SbBaPb	1043	Circle_1	888	Unique	36H	No	Hand	0
36H226SbPb	1042	Circle_1	888	Indicative	36H	No	Hand	0
36H227Pb	1049	Circle_1	892	Environmental	36H	No	Hand	0
36H227SbBaPb	1053	Circle_1	892	Unique	36H	No	Hand	0

36H227SbPb	1054	Circle_1	892	Indicative	36H	No	Hand	0
36H228Pb	1057	Circle_1	896	Environmental	36H	No	Hand	0
36H228SbPb	1058	Circle_1	896	Indicative	36H	No	Hand	0
36H229SbPb	1060	Circle_1	897	Indicative	36H	No	Hand	0
36H22Pb	99	Circle_1	88	Environmental	36H	No	Hand	0
36H22SbPb	100	Circle_1	88	Indicative	36H	No	Hand	0
36H230Pb	1061	Circle_1	901	Environmental	36H	No	Hand	0
36H230SbPb	1062	Circle_1	901	Indicative	36H	No	Hand	0
36H231Pb	1064	Circle_1	908	Environmental	36H	No	Hand	0
36H231SbPb	1063	Circle_1	908	Indicative	36H	No	Hand	0
36H232Pb	1066	Circle_1	912	Environmental	36H	No	Hand	0
36H233SbPb	1069	Circle_1	912	Indicative	36H	No	Hand	0
36H234Pb	1070	Circle_1	913	Environmental	36H	No	Hand	0
36H235Pb	1072	Circle_1	914	Environmental	36H	No	Hand	0
36H235SbPb	1073	Circle_1	914	Indicative	36H	No	Hand	0
36H236SbBaPb	1074	Circle_1	920	Unique	36H	No	Hand	0
36H236SbPb	1075	Circle_1	920	Indicative	36H	No	Hand	0
36H237Pb	1080	Circle_1	922	Environmental	36H	No	Hand	0
36H237SbPb	1081	Circle_1	922	Indicative	36H	No	Hand	0
36H238Pb	1086	Circle_1	932	Environmental	36H	No	Hand	0
36H238SbPb	1085	Circle_1	932	Indicative	36H	No	Hand	0
36H239Pb	1091	Circle_1	933	Environmental	36H	No	Hand	0
36H239SbPb	1089	Circle_1	933	Indicative	36H	No	Hand	0
36H23SbPb	102	Circle_1	107	Indicative	36H	No	Hand	0
36H240SbPb	1092	Circle_1	948	Indicative	36H	No	Hand	0
36H241Pb	1095	Circle_1	959	Environmental	36H	No	Hand	0
36H241SbPb	1096	Circle_1	959	Indicative	36H	No	Hand	0
36H242SbBaPb	1097	Circle_1	961	Unique	36H	No	Hand	0
36H243Cu	1098	Circle_1	966	Environmental	36H	No	Hand	0
36H243Pb	1099	Circle_1	966	Environmental	36H	No	Hand	0

36H244SbPb	1100	Circle_1	968	Indicative	36H	No	Hand	0
36H245SbPb	1101	Circle_1	968	Indicative	36H	No	Hand	0
36H246Pb	1104	Circle_1	968	Environmental	36H	No	Hand	0
36H246SbPb	1105	Circle_1	968	Indicative	36H	No	Hand	0
36H247Pb	1118	Circle_1	969	Environmental	36H	No	Hand	0
36H247SbBaPb	1121	Circle_1	969	Unique	36H	No	Hand	0
36H247SbPb	1112	Circle_1	969	Indicative	36H	No	Hand	0
36H248Pb	1125	Circle_1	970	Environmental	36H	No	Hand	0
36H248SbBaPb	1128	Circle_1	970	Unique	36H	No	Hand	0
36H248SbPb	1127	Circle_1	970	Indicative	36H	No	Hand	0
36H249SbBaPb	1129	Circle_1	972	Unique	36H	No	Hand	0
36H24Pb	104	Circle_1	109	Environmental	36H	No	Hand	0
36H24SbPb	103	Circle_1	109	Indicative	36H	No	Hand	0
36H250Pb	1131	Circle_1	978	Environmental	36H	No	Hand	0
36H250SbPb	1130	Circle_1	978	Indicative	36H	No	Hand	0
36H251Pb	1137	Circle_1	988	Environmental	36H	No	Hand	0
36H251SbPb	1136	Circle_1	988	Indicative	36H	No	Hand	0
36H252SbPb	1141	Circle_1	998	Indicative	36H	No	Hand	0
36H253Pb	1161	Circle_1	999	Environmental	36H	No	Hand	0
36H253SbBaPb	1146	Circle_1	999	Unique	36H	No	Hand	0
36H253SbPb	1147	Circle_1	999	Indicative	36H	No	Hand	0
36H25SbPb	107	Circle_1	109	Indicative	36H	No	Hand	0
36H26SbPb	111	Circle_1	115	Indicative	36H	No	Hand	0
36H27Pb	122	Circle_1	117	Environmental	36H	No	Hand	0
36H27SbPb	115	Circle_1	117	Indicative	36H	No	Hand	0
36H28SbPb	124	Circle_1	122	Indicative	36H	No	Hand	0
36H29Pb	126	Circle_1	123	Environmental	36H	No	Hand	0
36H29SbPb	125	Circle_1	123	Indicative	36H	No	Hand	0
36H2SbPb	3	Circle_1	12	Indicative	36H	No	Hand	0
36H30Pb	133	Circle_1	125	Environmental	36H	No	Hand	0

36H30SbPb	129	Circle_1	125	Indicative	36H	No	Hand	0
36H31SbPb	136	Circle_1	127	Indicative	36H	No	Hand	0
36H32SbPb	137	Circle_1	127	Indicative	36H	No	Hand	0
36H33Pb	144	Circle_1	127	Environmental	36H	No	Hand	0
36H33SbPb	140	Circle_1	127	Indicative	36H	No	Hand	0
36H34SbPb	146	Circle_1	131	Indicative	36H	No	Hand	0
36H35SbPb	148	Circle_1	137	Indicative	36H	No	Hand	0
36H36SbPb	149	Circle_1	146	Indicative	36H	No	Hand	0
36H37SbPb	150	Circle_1	146	Indicative	36H	No	Hand	0
36H38Pb	176	Circle_1	174	Environmental	36H	No	Hand	0
36H38SbPb	153	Circle_1	146	Indicative	36H	No	Hand	0
36H39SbPb	160	Circle_1	147	Indicative	36H	No	Hand	0
36H3Pb	4	Circle_1	20	Environmental	36H	No	Hand	0
36H40Pb	163	Circle_1	154	Environmental	36H	No	Hand	0
36H41Pb	167	Circle_1	160	Environmental	36H	No	Hand	0
36H41SbPb	166	Circle_1	160	Indicative	36H	No	Hand	0
36H42SbPb	168	Circle_1	161	Indicative	36H	No	Hand	0
36H43Pb	169	Circle_1	163	Environmental	36H	No	Hand	0
36H44Pb	171	Circle_1	164	Environmental	36H	No	Hand	0
36H44SbPb	172	Circle_1	164	Indicative	36H	No	Hand	0
36H45SbPb	177	Circle_1	177	Indicative	36H	No	Hand	0
36H46SbPb	178	Circle_1	179	Indicative	36H	No	Hand	0
36H47Pb	192	Circle_1	208	Environmental	36H	No	Hand	0
36H47SbPb	184	Circle_1	208	Indicative	36H	No	Hand	0
36H48SbPb	181	Circle_1	188	Indicative	36H	No	Hand	0
36H49Pb	183	Circle_1	203	Environmental	36H	No	Hand	0
36H49SbPb	182	Circle_1	203	Indicative	36H	No	Hand	0
36H4SbPb	5	Circle_1	25	Indicative	36H	No	Hand	0
36H50SbPb	198	Circle_1	208	Indicative	36H	No	Hand	0
36H51SbPb	200	Circle_1	220	Indicative	36H	No	Hand	0

36H52Pb	204	Circle_1	231	Environmental	36H	No	Hand	0
36H52SbPb	207	Circle_1	231	Indicative	36H	No	Hand	0
36H53Pb	222	Circle_1	240	Environmental	36H	No	Hand	0
36H53SbPb	221	Circle_1	240	Indicative	36H	No	Hand	0
36H54SbPb	223	Circle_1	244	Indicative	36H	No	Hand	0
36H55SbPb	226	Circle_1	253	Indicative	36H	No	Hand	0
36H56Pb	227	Circle_1	254	Environmental	36H	No	Hand	0
36H57SbPb	228	Circle_1	283	Indicative	36H	No	Hand	0
36H58Pb	231	Circle_1	285	Environmental	36H	No	Hand	0
36H58SbPb	230	Circle_1	285	Indicative	36H	No	Hand	0
36H59Pb	235	Circle_1	290	Environmental	36H	No	Hand	0
36H59SbPb	237	Circle_1	290	Indicative	36H	No	Hand	0
36H59Unclassified	234	Circle_1	289	Unclassified	36H	No	Hand	0
36H5BaPb	25	Circle_1	26	Indicative	36H	No	Hand	0
36H5Pb	20	Circle_1	26	Environmental	36H	No	Hand	0
36H5SbBaPb	8	Circle_1	26	Unique	36H	No	Hand	0
36H5SbPb	14	Circle_1	26	Indicative	36H	No	Hand	0
36H60Pb	238	Circle_1	295	Environmental	36H	No	Hand	0
36H61Pb	240	Circle_1	297	Environmental	36H	No	Hand	0
36H61SbPb	239	Circle_1	297	Indicative	36H	No	Hand	0
36H62Pb	244	Circle_1	303	Environmental	36H	No	Hand	0
36H62SbPb	241	Circle_1	303	Indicative	36H	No	Hand	0
36H63SbBaPb	245	Circle_1	307	Unique	36H	No	Hand	0
36H63SbPb	246	Circle_1	307	Indicative	36H	No	Hand	0
36H64Pb	249	Circle_1	308	Environmental	36H	No	Hand	0
36H64SbPb	250	Circle_1	308	Indicative	36H	No	Hand	0
36H65SbPb	252	Circle_1	310	Indicative	36H	No	Hand	0
36H66SbPb	253	Circle_1	313	Indicative	36H	No	Hand	0
36H67SbPb	254	Circle_1	314	Indicative	36H	No	Hand	0
36H68Pb	256	Circle_1	314	Environmental	36H	No	Hand	0

36H68SbPb	255	Circle_1	314	Indicative	36H	No	Hand	0
36H69Pb	260	Circle_1	321	Environmental	36H	No	Hand	0
36H69SbBaPb	267	Circle_1	321	Unique	36H	No	Hand	0
36H69SbPb	262	Circle_1	321	Indicative	36H	No	Hand	0
36H6SbPb	34	Circle_1	26	Indicative	36H	No	Hand	0
36H70Pb	275	Circle_1	326	Environmental	36H	No	Hand	0
36H71SbPb	278	Circle_1	328	Indicative	36H	No	Hand	0
36H72Pb	287	Circle_1	331	Environmental	36H	No	Hand	0
36H72SbPb	283	Circle_1	331	Indicative	36H	No	Hand	0
36H73SbPb	292	Circle_1	331	Indicative	36H	No	Hand	0
36H74Pb	386	Circle_1	365	Environmental	36H	No	Hand	0
36H74SbPb	296	Circle_1	331	Indicative	36H	No	Hand	0
36H75Pb	300	Circle_1	336	Environmental	36H	No	Hand	0
36H76SbPb	301	Circle_1	337	Indicative	36H	No	Hand	0
36H77SbPb	302	Circle_1	341	Indicative	36H	No	Hand	0
36H78SbPb	303	Circle_1	341	Indicative	36H	No	Hand	0
36H79SbPb	304	Circle_1	342	Indicative	36H	No	Hand	0
36H7SbPb	36	Circle_1	28	Indicative	36H	No	Hand	0
36H80BaPb	329	Circle_1	342	Indicative	36H	No	Hand	0
36H80Pb	311	Circle_1	342	Environmental	36H	No	Hand	0
36H80SbPb	307	Circle_1	342	Indicative	36H	No	Hand	0
36H81SbBaPb	340	Circle_1	353	Unique	36H	No	Hand	0
36H81SbPb	338	Circle_1	353	Indicative	36H	No	Hand	0
36H82SbPb	346	Circle_1	354	Indicative	36H	No	Hand	0
36H83SbPb	347	Circle_1	359	Indicative	36H	No	Hand	0
36H84Pb	348	Circle_1	360	Environmental	36H	No	Hand	0
36H85SbPb	349	Circle_1	362	Indicative	36H	No	Hand	0
36H86Pb	367	Circle_1	363	Environmental	36H	No	Hand	0
36H86SbBaPb	351	Circle_1	363	Unique	36H	No	Hand	0
36H86SbPb	353	Circle_1	363	Indicative	36H	No	Hand	0

36H87Pb	396	Circle_1	367	Environmental	36H	No	Hand	0
36H87SbPb	395	Circle_1	367	Indicative	36H	No	Hand	0
36H87Unclassified	403	Circle_1	367	Unclassified	36H	No	Hand	0
36H88Pb	408	Circle_1	372	Environmental	36H	No	Hand	0
36H88SbPb	406	Circle_1	372	Indicative	36H	No	Hand	0
36H89SbPb	412	Circle_1	376	Indicative	36H	No	Hand	0
36H8Pb	38	Circle_1	35	Environmental	36H	No	Hand	0
36H8SbPb	40	Circle_1	35	Indicative	36H	No	Hand	0
36H90Pb	425	Circle_1	377	Environmental	36H	No	Hand	0
36H90SbPb	422	Circle_1	377	Indicative	36H	No	Hand	0
36H91Pb	431	Circle_1	380	Environmental	36H	No	Hand	0
36H91SbPb	432	Circle_1	380	Indicative	36H	No	Hand	0
36H92Pb	435	Circle_1	393	Environmental	36H	No	Hand	0
36H92SbPb	434	Circle_1	393	Indicative	36H	No	Hand	0
36H93SbPb	436	Circle_1	396	Indicative	36H	No	Hand	0
36H94SbPb	439	Circle_1	399	Indicative	36H	No	Hand	0
36H95Pb	443	Circle_1	401	Environmental	36H	No	Hand	0
36H95SbPb	442	Circle_1	401	Indicative	36H	No	Hand	0
36H96SbPb	446	Circle_1	402	Indicative	36H	No	Hand	0
36H97Pb	448	Circle_1	402	Environmental	36H	No	Hand	0
36H98SbPb	451	Circle_1	406	Indicative	36H	No	Hand	0
36H99SbPb	454	Circle_1	406	Indicative	36H	No	Hand	0
36H9SbPb	43	Circle_1	38	Indicative	36H	No	Hand	0
47H100Pb	1948	Circle_3	3179	Environmental	47H	No	Hand	0
47H100SbPb	1949	Circle_3	3179	Indicative	47H	No	Hand	0
47H101SbPb	1952	Circle_3	3181	Indicative	47H	No	Hand	0
47H102Pb	1958	Circle_3	3181	Environmental	47H	No	Hand	0
47H102SbPb	1957	Circle_3	3181	Indicative	47H	No	Hand	0
47H103Pb	1964	Circle_3	3189	Environmental	47H	No	Hand	0
47H103SbPb	1961	Circle_3	3189	Indicative	47H	No	Hand	0

47H104Pb	1968	Circle_3	3190	Environmental	47H	No	Hand	0
47H104SbPb	1971	Circle_3	3190	Indicative	47H	No	Hand	0
47H105SbPb	1981	Circle_3	3197	Indicative	47H	No	Hand	0
47H106SbPb	1983	Circle_3	3201	Indicative	47H	No	Hand	0
47H107SbPb	1984	Circle_3	3201	Indicative	47H	No	Hand	0
47H108SbBaPb	1985	Circle_3	3202	Unique	47H	No	Hand	0
47H109Pb	1990	Circle_3	3207	Environmental	47H	No	Hand	0
47H109SbPb	1989	Circle_3	3207	Indicative	47H	No	Hand	0
47H10Pb	1297	Circle_3	2923	Environmental	47H	No	Hand	0
47H10SbPb	1237	Circle_3	2904	Indicative	47H	No	Hand	0
47H110SbPb	1991	Circle_3	3209	Indicative	47H	No	Hand	0
47H111Pb	1992	Circle_3	3209	Environmental	47H	No	Hand	0
47H111SbPb	1993	Circle_3	3209	Indicative	47H	No	Hand	0
47H112Pb	1995	Circle_3	3215	Environmental	47H	No	Hand	0
47H112SbPb	1994	Circle_3	3215	Indicative	47H	No	Hand	0
47H113SbBaPb	1996	Circle_3	3224	Unique	47H	No	Hand	0
47H114Pb	1998	Circle_3	3235	Environmental	47H	No	Hand	0
47H114SbBaPb	1999	Circle_3	3235	Unique	47H	No	Hand	0
47H114SbPb	1997	Circle_3	3235	Indicative	47H	No	Hand	0
47H115Pb	2000	Circle_3	3241	Environmental	47H	No	Hand	0
47H115SbPb	2001	Circle_3	3241	Indicative	47H	No	Hand	0
47H116SbPb	2005	Circle_3	3247	Indicative	47H	No	Hand	0
47H116Unclassified	2008	Circle_3	3247	Environmental	47H	No	Hand	0
47H117Pb	2018	Circle_3	3248	Environmental	47H	No	Hand	0
47H117SbPb	2012	Circle_3	3248	Indicative	47H	No	Hand	0
47H118SbPb	2019	Circle_3	3250	Indicative	47H	No	Hand	0
47H119Pb	2054	Circle_3	3250	Environmental	47H	No	Hand	0
47H119SbBaPb	2099	Circle_3	3250	Unique	47H	No	Hand	0
47H119SbPb	2022	Circle_3	3250	Indicative	47H	No	Hand	0
47H11Pb	1251	Circle_3	2909	Environmental	47H	No	Hand	0

47H11SbPb	1241	Circle_3	2909	Indicative	47H	No	Hand	0
47H12SbPb	1295	Circle_3	2915	Indicative	47H	No	Hand	0
47H13Pb	1293	Circle_3	2914	Environmental	47H	No	Hand	0
47H13SbPb	1289	Circle_3	2914	Indicative	47H	No	Hand	0
47H14Pb	1307	Circle_3	2924	Environmental	47H	No	Hand	0
47H14SbBaPb	1345	Circle_3	2924	Unique	47H	No	Hand	0
47H14SbPb	1300	Circle_3	2924	Indicative	47H	No	Hand	0
47H15SbPb	1336	Circle_3	2924	Indicative	47H	No	Hand	0
47H16SbPb	1378	Circle_3	2930	Indicative	47H	No	Hand	0
47H17SbBaPb	1380	Circle_3	2932	Unique	47H	No	Hand	0
47H18Pb	1385	Circle_3	2935	Environmental	47H	No	Hand	0
47H18SbBaPb	1383	Circle_3	2935	Unique	47H	No	Hand	0
47H18SbPb	1384	Circle_3	2935	Indicative	47H	No	Hand	0
47H19Pb	1387	Circle_3	2935	Environmental	47H	No	Hand	0
47H1Pb	1183	Circle_3	2878	Environmental	47H	No	Hand	0
47H1SbPb	1184	Circle_3	2878	Indicative	47H	No	Hand	0
47H20SbBaPb	1388	Circle_3	2935	Unique	47H	No	Hand	0
47H21Pb	1389	Circle_3	2935	Environmental	47H	No	Hand	0
47H22SbPb	1390	Circle_3	2935	Indicative	47H	No	Hand	0
47H23SbPb	1391	Circle_3	2935	Indicative	47H	No	Hand	0
47H24Pb	1394	Circle_3	2935	Environmental	47H	No	Hand	0
47H24SbPb	1398	Circle_3	2935	Indicative	47H	No	Hand	0
47H25SbPb	1401	Circle_3	2935	Indicative	47H	No	Hand	0
47H26SbPb	1402	Circle_3	2938	Indicative	47H	No	Hand	0
47H27BaPb	1409	Circle_3	2938	Indicative	47H	No	Hand	0
47H27Pb	1412	Circle_3	2938	Environmental	47H	No	Hand	0
47H27SbPb	1405	Circle_3	2938	Indicative	47H	No	Hand	0
47H28Pb	1414	Circle_3	2946	Environmental	47H	No	Hand	0
47H28SbPb	1413	Circle_3	2946	Indicative	47H	No	Hand	0
47H29Pb	1415	Circle_3	2946	Environmental	47H	No	Hand	0

47H29SbPb	1416	Circle_3	2946	Indicative	47H	No	Hand	0
47H2BaPb	1200	Circle_3	2879	Indicative	47H	No	Hand	0
47H2Pb	1193	Circle_3	2879	Environmental	47H	No	Hand	0
47H2SbBaPb	1202	Circle_3	2879	Unique	47H	No	Hand	0
47H2SbPb	1196	Circle_3	2879	Indicative	47H	No	Hand	0
47H30Cu	1417	Circle_3	2947	Environmental	47H	No	Hand	0
47H30Pb	1421	Circle_3	2947	Environmental	47H	No	Hand	0
47H30SbPb	1420	Circle_3	2947	Indicative	47H	No	Hand	0
47H31Pb	1422	Circle_3	2952	Environmental	47H	No	Hand	0
47H31SbPb	1423	Circle_3	2952	Indicative	47H	No	Hand	0
47H32Pb	1424	Circle_3	2952	Environmental	47H	No	Hand	0
47H33Pb	1434	Circle_3	2954	Environmental	47H	No	Hand	0
47H33SbPb	1427	Circle_3	2954	Indicative	47H	No	Hand	0
47H34Pb	1437	Circle_3	2957	Environmental	47H	No	Hand	0
47H35Pb	1455	Circle_3	2967	Environmental	47H	No	Hand	0
47H35SbPb	1443	Circle_3	2967	Indicative	47H	No	Hand	0
47H36SbBaPb	1457	Circle_3	2970	Unique	47H	No	Hand	0
47H37Pb	1462	Circle_3	2970	Environmental	47H	No	Hand	0
47H37SbPb	1463	Circle_3	2970	Indicative	47H	No	Hand	0
47H38Pb	1493	Circle_3	2970	Environmental	47H	No	Hand	0
47H38SbPb	1483	Circle_3	2970	Indicative	47H	No	Hand	0
47H39Pb	1536	Circle_3	2970	Environmental	47H	No	Hand	0
47H39SbBaPb	1559	Circle_3	2970	Unique	47H	No	Hand	0
47H39SbPb	1506	Circle_3	2970	Indicative	47H	No	Hand	0
47H3Pb	1210	Circle_3	2882	Environmental	47H	No	Hand	0
47H3SbPb	1211	Circle_3	2882	Indicative	47H	No	Hand	0
47H40Pb	1586	Circle_3	2977	Environmental	47H	No	Hand	0
47H41Pb	1591	Circle_3	2980	Environmental	47H	No	Hand	0
47H41SbPb	1590	Circle_3	2980	Indicative	47H	No	Hand	0
47H42SbPb	1592	Circle_3	2984	Indicative	47H	No	Hand	0

47H43Pb	1596	Circle_3	2984	Environmental	47H	No	Hand	0
47H43SbBaPb	1704	Circle_3	3010	Unique	47H	No	Hand	0
47H43SbPb	1703	Circle_3	3010	Indicative	47H	No	Hand	0
47H44Pb	1602	Circle_3	2986	Environmental	47H	No	Hand	0
47H44SbPb	1600	Circle_3	2986	Indicative	47H	No	Hand	0
47H45Pb	1621	Circle_3	2991	Environmental	47H	No	Hand	0
47H45SbPb	1618	Circle_3	2991	Indicative	47H	No	Hand	0
47H46SbPb	1622	Circle_3	2991	Indicative	47H	No	Hand	0
47H47Pb	1633	Circle_3	2992	Environmental	47H	No	Hand	0
47H47SbPb	1625	Circle_3	2992	Indicative	47H	No	Hand	0
47H47Unclassified	1656	Circle_3	2992	Unclassified	47H	No	Hand	0
47H48Pb	1650	Circle_3	2992	Environmental	47H	No	Hand	0
47H48SbPb	1646	Circle_3	2992	Indicative	47H	No	Hand	0
47H49Pb	1660	Circle_3	2992	Environmental	47H	No	Hand	0
47H4Pb	1216	Circle_3	2885	Environmental	47H	No	Hand	0
47H4SbPb	1214	Circle_3	2885	Indicative	47H	No	Hand	0
47H50Pb	1662	Circle_3	2992	Environmental	47H	No	Hand	0
47H50SbPb	1661	Circle_3	2992	Indicative	47H	No	Hand	0
47H51SbPb	1665	Circle_3	2992	Indicative	47H	No	Hand	0
47H52SbPb	1666	Circle_3	2993	Indicative	47H	No	Hand	0
47H53Pb	1671	Circle_3	2994	Environmental	47H	No	Hand	0
47H53SbBaPb	1672	Circle_3	2994	Unique	47H	No	Hand	0
47H53SbPb	1668	Circle_3	2994	Indicative	47H	No	Hand	0
47H54Pb	1674	Circle_3	2994	Environmental	47H	No	Hand	0
47H54SbPb	1676	Circle_3	2994	Indicative	47H	No	Hand	0
47H55Pb	1681	Circle_3	2998	Environmental	47H	No	Hand	0
47H55SbPb	1680	Circle_3	2998	Indicative	47H	No	Hand	0
47H56SbPb	1687	Circle_3	3001	Indicative	47H	No	Hand	0
47H57SbPb	1684	Circle_3	3000	Indicative	47H	No	Hand	0
47H58Pb	1686	Circle_3	3001	Environmental	47H	No	Hand	0

47H58SbPb	1685	Circle_3	3001	Indicative	47H	No	Hand	0
47H59Pb	1694	Circle_3	3008	Environmental	47H	No	Hand	0
47H5Pb	1219	Circle_3	2891	Environmental	47H	No	Hand	0
47H60Pb	1698	Circle_3	3008	Environmental	47H	No	Hand	0
47H61Pb	1707	Circle_3	3016	Environmental	47H	No	Hand	0
47H61SbPb	1706	Circle_3	3016	Indicative	47H	No	Hand	0
47H62Pb	1709	Circle_3	3017	Environmental	47H	No	Hand	0
47H62SbPb	1708	Circle_3	3017	Indicative	47H	No	Hand	0
47H63Pb	1711	Circle_3	3018	Environmental	47H	No	Hand	0
47H63SbPb	1712	Circle_3	3018	Indicative	47H	No	Hand	0
47H64Pb	1714	Circle_3	3018	Environmental	47H	No	Hand	0
47H64SbPb	1713	Circle_3	3018	Indicative	47H	No	Hand	0
47H65SbPb	1715	Circle_3	3020	Indicative	47H	No	Hand	0
47H66Pb	1718	Circle_3	3026	Environmental	47H	No	Hand	0
47H66SbPb	1716	Circle_3	3026	Indicative	47H	No	Hand	0
47H67Pb	1719	Circle_3	3031	Environmental	47H	No	Hand	0
47H67SbPb	1722	Circle_3	3031	Indicative	47H	No	Hand	0
47H68Pb	1723	Circle_3	3041	Environmental	47H	No	Hand	0
47H69SbPb	1724	Circle_3	3044	Indicative	47H	No	Hand	0
47H6SbPb	1223	Circle_3	2900	Indicative	47H	No	Hand	0
47H70Pb	1726	Circle_3	3046	Environmental	47H	No	Hand	0
47H71Pb	1731	Circle_3	3046	Environmental	47H	No	Hand	0
47H71SbPb	1730	Circle_3	3046	Indicative	47H	No	Hand	0
47H72SbPb	1732	Circle_3	3051	Indicative	47H	No	Hand	0
47H73SbBaPb	1735	Circle_3	3055	Unique	47H	No	Hand	0
47H74Pb	1763	Circle_3	3059	Environmental	47H	No	Hand	0
47H74SbBaPb	1750	Circle_3	3059	Unique	47H	No	Hand	0
47H74SbPb	1740	Circle_3	3059	Indicative	47H	No	Hand	0
47H75Pb	1773	Circle_3	3063	Environmental	47H	No	Hand	0
47H76SbPb	1780	Circle_3	3072	Indicative	47H	No	Hand	0

47H77Pb	1793	Circle_3	3076	Environmental	47H	No	Hand	0
47H77SbBaPb	1832	Circle_3	3076	Unique	47H	No	Hand	0
47H77SbPb	1785	Circle_3	3076	Indicative	47H	No	Hand	0
47H78Pb	1879	Circle_3	3081	Environmental	47H	No	Hand	0
47H78SbBaPb	1871	Circle_3	3081	Unique	47H	No	Hand	0
47H78SbPb	1867	Circle_3	3081	Indicative	47H	No	Hand	0
47H79Pb	1881	Circle_3	3088	Environmental	47H	No	Hand	0
47H7SbPb	1227	Circle_3	2900	Indicative	47H	No	Hand	0
47H80Pb	1882	Circle_3	3090	Environmental	47H	No	Hand	0
47H80SbPb	1883	Circle_3	3090	Indicative	47H	No	Hand	0
47H81Pb	1888	Circle_3	3095	Environmental	47H	No	Hand	0
47H81SbPb	1889	Circle_3	3095	Indicative	47H	No	Hand	0
47H82SbBaPb	1890	Circle_3	3100	Unique	47H	No	Hand	0
47H83SbPb	1891	Circle_3	3110	Indicative	47H	No	Hand	0
47H84Pb	1898	Circle_3	3118	Environmental	47H	No	Hand	0
47H84SbBaPb	1896	Circle_3	3118	Unique	47H	No	Hand	0
47H84SbPb	1894	Circle_3	3118	Indicative	47H	No	Hand	0
47H85SbBaPb	1900	Circle_3	3118	Unique	47H	No	Hand	0
47H86Pb	1905	Circle_3	3120	Environmental	47H	No	Hand	0
47H86SbPb	1904	Circle_3	3120	Indicative	47H	No	Hand	0
47H87Pb	1918	Circle_3	3141	Environmental	47H	No	Hand	0
47H87SbPb	1909	Circle_3	3141	Indicative	47H	No	Hand	0
47H88Pb	1922	Circle_3	3141	Environmental	47H	No	Hand	0
47H88SbPb	1921	Circle_3	3141	Indicative	47H	No	Hand	0
47H89Pb	1925	Circle_3	3143	Environmental	47H	No	Hand	0
47H8SbBaPb	1231	Circle_3	2902	Unique	47H	No	Hand	0
47H8SbPb	1232	Circle_3	2902	Indicative	47H	No	Hand	0
47H90SbPb	1927	Circle_3	3149	Indicative	47H	No	Hand	0
47H91SbPb	1928	Circle_3	3150	Indicative	47H	No	Hand	0
47H92SbPb	1929	Circle_3	3161	Indicative	47H	No	Hand	0

47H93Pb	1931	Circle_3	3161	Environmental	47H	No	Hand	0
47H93SbPb	1930	Circle_3	3161	Indicative	47H	No	Hand	0
47H94Pb	1934	Circle_3	3162	Environmental	47H	No	Hand	0
47H94SbPb	1935	Circle_3	3162	Indicative	47H	No	Hand	0
47H95SbBaPb	1938	Circle_3	3167	Unique	47H	No	Hand	0
47H96Pb	1940	Circle_3	3169	Environmental	47H	No	Hand	0
47H96SbPb	1939	Circle_3	3169	Indicative	47H	No	Hand	0
47H97SbPb	1942	Circle_3	3171	Indicative	47H	No	Hand	0
47H98SbPb	1943	Circle_3	3175	Indicative	47H	No	Hand	0
47H99Pb	1946	Circle_3	3177	Environmental	47H	No	Hand	0
47H99SbPb	1945	Circle_3	3177	Indicative	47H	No	Hand	0
47H9Pb	1235	Circle_3	2903	Environmental	47H	No	Hand	0
18H100SbPb	200	Circle_1	1034	Indicative	18H	No	Hand	0
18H101SbPb	201	Circle_1	1061	Indicative	18H	No	Hand	0
18H102SbPb	202	Circle_1	1061	Indicative	18H	No	Hand	0
18H103SbPb	203	Circle_1	1062	Indicative	18H	No	Hand	0
18H104SbPb	209	Circle_1	1064	Indicative	18H	No	Hand	0
18H105SbPb	212	Circle_1	1065	Indicative	18H	No	Hand	0
18H106SbPb	213	Circle_1	1071	Indicative	18H	No	Hand	0
18H107SbPb	214	Circle_1	1071	Indicative	18H	No	Hand	0
18H108SbPb	215	Circle_1	1071	Indicative	18H	No	Hand	0
18H109SbPb	216	Circle_1	1086	Indicative	18H	No	Hand	0
18H10SbPb	18	Circle_1	275	Indicative	18H	No	Hand	0
18H110SbPb	218	Circle_1	1089	Indicative	18H	No	Hand	0
18H111SbPb	219	Circle_1	1096	Indicative	18H	No	Hand	0
18H112Pb	222	Circle_1	1105	Environmental	18H	No	Hand	0
18H112SbPb	221	Circle_1	1105	Indicative	18H	No	Hand	0
18H113Pb	224	Circle_1	1109	Environmental	18H	No	Hand	0
18H113SbBaPb	225	Circle_1	1109	Unique	18H	No	Hand	0
18H113SbPb	223	Circle_1	1109	Indicative	18H	No	Hand	0

18H114SbPb	228	Circle_1	1112	Indicative	18H	No	Hand	0
18H115Pb	232	Circle_1	1112	Environmental	18H	No	Hand	0
18H115SbPb	230	Circle_1	1112	Indicative	18H	No	Hand	0
18H116SbPb	234	Circle_1	1128	Indicative	18H	No	Hand	0
18H117SbPb	236	Circle_1	1138	Indicative	18H	No	Hand	0
18H118SbBaPb	237	Circle_1	1142	Unique	18H	No	Hand	0
18H118SbPb	238	Circle_1	1142	Indicative	18H	No	Hand	0
18H119SbBaPb	239	Circle_1	1148	Unique	18H	No	Hand	0
18H11SbPb	19	Circle_1	278	Indicative	18H	No	Hand	0
18H120Pb	242	Circle_1	1158	Environmental	18H	No	Hand	0
18H120SbPb	240	Circle_1	1158	Indicative	18H	No	Hand	0
18H121SbPb	244	Circle_1	1187	Indicative	18H	No	Hand	0
18H122SbPb	245	Circle_1	1207	Indicative	18H	No	Hand	0
18H123SbPb	250	Circle_1	1218	Indicative	18H	No	Hand	0
18H124SbPb	251	Circle_1	1235	Indicative	18H	No	Hand	0
18H125SbPb	252	Circle_1	1251	Indicative	18H	No	Hand	0
18H126SbPb	253	Circle_1	1279	Indicative	18H	No	Hand	0
18H127SbBaPb	254	Circle_1	1297	Unique	18H	No	Hand	0
18H128SbPb	255	Circle_1	1299	Indicative	18H	No	Hand	0
18H129SbPb	256	Circle_1	1309	Indicative	18H	No	Hand	0
18H12BaPb	21	Circle_1	283	Indicative	18H	No	Hand	0
18H12SbBaPb	20	Circle_1	283	Unique	18H	No	Hand	0
18H12SbPb	22	Circle_1	283	Indicative	18H	No	Hand	0
18H130SbPb	257	Circle_1	1343	Indicative	18H	No	Hand	0
18H131SbBaPb	260	Circle_1	1361	Unique	18H	No	Hand	0
18H131SbPb	258	Circle_1	1361	Indicative	18H	No	Hand	0
18H132SbPb	261	Circle_1	1373	Indicative	18H	No	Hand	0
18H133SbPb	262	Circle_1	1387	Indicative	18H	No	Hand	0
18H134SbBaPb	264	Circle_1	1399	Unique	18H	No	Hand	0
18H135SbPb	265	Circle_1	1426	Indicative	18H	No	Hand	0

18H136SbPb	266	Circle_1	1428	Indicative	18H	No	Hand	0
18H137SbPb	267	Circle_1	1435	Indicative	18H	No	Hand	0
18H138SbPb	268	Circle_1	1436	Indicative	18H	No	Hand	0
18H139SbPb	269	Circle_1	1436	Indicative	18H	No	Hand	0
18H13SbPb	23	Circle_1	298	Indicative	18H	No	Hand	0
18H14SbBaPb	24	Circle_1	305	Unique	18H	No	Hand	0
18H15SbBaPb	25	Circle_1	305	Unique	18H	No	Hand	0
18H16SbBaPb	27	Circle_1	307	Unique	18H	No	Hand	0
18H17SbPb	28	Circle_1	336	Indicative	18H	No	Hand	0
18H18SbPb	29	Circle_1	353	Indicative	18H	No	Hand	0
18H19SbPb	30	Circle_1	354	Indicative	18H	No	Hand	0
18H1SbPb	1	Circle_1	62	Indicative	18H	No	Hand	0
18H20SbBaPb	31	Circle_1	354	Unique	18H	No	Hand	0
18H20SbPb	33	Circle_1	354	Indicative	18H	No	Hand	0
18H21SbBaPb	34	Circle_1	377	Unique	18H	No	Hand	0
18H22SbPb	35	Circle_1	384	Indicative	18H	No	Hand	0
18H23SbPb	37	Circle_1	385	Indicative	18H	No	Hand	0
18H24SbPb	39	Circle_1	392	Indicative	18H	No	Hand	0
18H25SbPb	40	Circle_1	406	Indicative	18H	No	Hand	0
18H26SbPb	41	Circle_1	415	Indicative	18H	No	Hand	0
18H27SbPb	42	Circle_1	417	Indicative	18H	No	Hand	0
18H28SbPb	43	Circle_1	419	Indicative	18H	No	Hand	0
18H29SbPb	45	Circle_1	436	Indicative	18H	No	Hand	0
18H2SbPb	3	Circle_1	65	Indicative	18H	No	Hand	0
18H30SbPb	46	Circle_1	439	Indicative	18H	No	Hand	0
18H31SbPb	47	Circle_1	440	Indicative	18H	No	Hand	0
18H32SbPb	48	Circle_1	446	Indicative	18H	No	Hand	0
18H33SbPb	49	Circle_1	450	Indicative	18H	No	Hand	0
18H34Cu	54	Circle_1	451	Environmental	18H	No	Hand	0
18H34SbPb	51	Circle_1	451	Indicative	18H	No	Hand	0

18H35SbPb	56	Circle_1	455	Indicative	18H	No	Hand	0
18H36SbPb	57	Circle_1	472	Indicative	18H	No	Hand	0
18H37SbPb	59	Circle_1	473	Indicative	18H	No	Hand	0
18H38SbPb	60	Circle_1	478	Indicative	18H	No	Hand	0
18H39SbPb	61	Circle_1	482	Indicative	18H	No	Hand	0
18H3SbPb	8	Circle_1	99	Indicative	18H	No	Hand	0
18H40SbPb	64	Circle_1	483	Indicative	18H	No	Hand	0
18H41SbPb	65	Circle_1	502	Indicative	18H	No	Hand	0
18H42SbPb	66	Circle_1	532	Indicative	18H	No	Hand	0
18H43SbPb	68	Circle_1	559	Indicative	18H	No	Hand	0
18H44SbPb	71	Circle_1	572	Indicative	18H	No	Hand	0
18H45SbPb	77	Circle_1	584	Indicative	18H	No	Hand	0
18H46SbBaPb	78	Circle_1	614	Unique	18H	No	Hand	0
18H47SbPb	79	Circle_1	614	Indicative	18H	No	Hand	0
18H48SbPb	80	Circle_1	620	Indicative	18H	No	Hand	0
18H49SbPb	81	Circle_1	621	Indicative	18H	No	Hand	0
18H4SbPb	10	Circle_1	130	Indicative	18H	No	Hand	0
18H50SbPb	83	Circle_1	626	Indicative	18H	No	Hand	0
18H51SbPb	84	Circle_1	629	Indicative	18H	No	Hand	0
18H52SbPb	85	Circle_1	630	Indicative	18H	No	Hand	0
18H53SbPb	86	Circle_1	636	Indicative	18H	No	Hand	0
18H54SbPb	87	Circle_1	636	Indicative	18H	No	Hand	0
18H55SbPb	89	Circle_1	640	Indicative	18H	No	Hand	0
18H56SbPb	90	Circle_1	650	Indicative	18H	No	Hand	0
18H57SbPb	91	Circle_1	663	Indicative	18H	No	Hand	0
18H58SbPb	92	Circle_1	673	Indicative	18H	No	Hand	0
18H59SbPb	94	Circle_1	690	Indicative	18H	No	Hand	0
18H5SbBaPb	11	Circle_1	185	Unique	18H	No	Hand	0
18H60SbPb	95	Circle_1	692	Indicative	18H	No	Hand	0
18H61SbPb	96	Circle_1	695	Indicative	18H	No	Hand	0

18H62SbPb	97	Circle_1	717	Indicative	18H	No	Hand	0
18H63SbPb	98	Circle_1	721	Indicative	18H	No	Hand	0
18H64SbPb	99	Circle_1	724	Indicative	18H	No	Hand	0
18H65SbBaPb	100	Circle_1	727	Unique	18H	No	Hand	0
18H65SbPb	101	Circle_1	727	Indicative	18H	No	Hand	0
18H66SbPb	104	Circle_1	727	Indicative	18H	No	Hand	0
18H67SbBaPb	122	Circle_1	779	Unique	18H	No	Hand	0
18H67SbPb	114	Circle_1	778	Indicative	18H	No	Hand	0
18H68SbPb	123	Circle_1	789	Indicative	18H	No	Hand	0
18H69SbPb	124	Circle_1	791	Indicative	18H	No	Hand	0
18H6SbPb	12	Circle_1	205	Indicative	18H	No	Hand	0
18H70SbPb	126	Circle_1	800	Indicative	18H	No	Hand	0
18H71SbPb	127	Circle_1	812	Indicative	18H	No	Hand	0
18H72SbPb	128	Circle_1	820	Indicative	18H	No	Hand	0
18H73SbPb	130	Circle_1	823	Indicative	18H	No	Hand	0
18H74SbPb	131	Circle_1	824	Indicative	18H	No	Hand	0
18H75SbPb	132	Circle_1	825	Indicative	18H	No	Hand	0
18H76SbPb	133	Circle_1	836	Indicative	18H	No	Hand	0
18H77SbPb	134	Circle_1	837	Indicative	18H	No	Hand	0
18H78SbPb	136	Circle_1	842	Indicative	18H	No	Hand	0
18H79SbPb	137	Circle_1	849	Indicative	18H	No	Hand	0
18H7SbBaPb	14	Circle_1	226	Unique	18H	No	Hand	0
18H80SbPb	138	Circle_1	849	Indicative	18H	No	Hand	0
18H81SbPb	139	Circle_1	849	Indicative	18H	No	Hand	0
18H82SbBaPb	141	Circle_1	874	Unique	18H	No	Hand	0
18H82SbPb	140	Circle_1	874	Indicative	18H	No	Hand	0
18H83SbBaPb	154	Circle_1	896	Unique	18H	No	Hand	0
18H84Cu	159	Circle_1	914	Environmental	18H	No	Hand	0
18H84Pb	164	Circle_1	950	Environmental	18H	No	Hand	0
18H84SbBaPb	162	Circle_1	950	Unique	18H	No	Hand	0

18H84SbPb	155	Circle_1	914	Indicative	18H	No	Hand	0
18H85SbPb	160	Circle_1	932	Indicative	18H	No	Hand	0
18H86SbPb	163	Circle_1	950	Indicative	18H	No	Hand	0
18H87SbPb	172	Circle_1	961	Indicative	18H	No	Hand	0
18H88SbBaPb	175	Circle_1	973	Unique	18H	No	Hand	0
18H88SbPb	173	Circle_1	973	Indicative	18H	No	Hand	0
18H89SbPb	174	Circle_1	973	Indicative	18H	No	Hand	0
18H8SbPb	16	Circle_1	265	Indicative	18H	No	Hand	0
18H90Pb	180	Circle_1	973	Environmental	18H	No	Hand	0
18H90SbPb	178	Circle_1	973	Indicative	18H	No	Hand	0
18H91SbPb	181	Circle_1	978	Indicative	18H	No	Hand	0
18H92SbPb	182	Circle_1	997	Indicative	18H	No	Hand	0
18H93SbPb	183	Circle_1	1001	Indicative	18H	No	Hand	0
18H94SbPb	184	Circle_1	1001	Indicative	18H	No	Hand	0
18H95SbPb	185	Circle_1	1002	Indicative	18H	No	Hand	0
18H96Cu	188	Circle_1	1007	Environmental	18H	No	Hand	0
18H96SbPb	186	Circle_1	1007	Indicative	18H	No	Hand	0
18H97BaPb	192	Circle_1	1025	Indicative	18H	No	Hand	0
18H97Cu	197	Circle_1	1025	Environmental	18H	No	Hand	0
18H97SbBaPb	190	Circle_1	1025	Unique	18H	No	Hand	0
18H97SbPb	189	Circle_1	1025	Indicative	18H	No	Hand	0
18H98SbPb	198	Circle_1	1026	Indicative	18H	No	Hand	0
18H99SbPb	199	Circle_1	1031	Indicative	18H	No	Hand	0
18H9SbPb	17	Circle_1	271	Indicative	18H	No	Hand	0
1F1SbPb	287	Circle_4	5181	Indicative	1F	No	Face	2
1H1SbPb	278	Circle_3	3993	Indicative	1H	No	Hand	2
20H100Pb	142	Circle_1	839	Environmental	20H	No	Hand	0
20H100SbPb	143	Circle_1	839	Indicative	20H	No	Hand	0
20H101SbPb	144	Circle_1	852	Indicative	20H	No	Hand	0
20H102SbPb	145	Circle_1	870	Indicative	20H	No	Hand	0

20H103Pb	146	Circle_1	870	Environmental	20H	No	Hand	0
20H104SbPb	147	Circle_1	890	Indicative	20H	No	Hand	0
20H105SbPb	148	Circle_1	903	Indicative	20H	No	Hand	0
20H106Pb	149	Circle_1	904	Environmental	20H	No	Hand	0
20H107SbPb	150	Circle_1	908	Indicative	20H	No	Hand	0
20H108SbBaPb	151	Circle_1	910	Unique	20H	No	Hand	0
20H109SbPb	152	Circle_1	921	Indicative	20H	No	Hand	0
20H10Pb	13	Circle_1	96	Environmental	20H	No	Hand	0
20H110Pb	154	Circle_1	931	Environmental	20H	No	Hand	0
20H110SbPb	153	Circle_1	931	Indicative	20H	No	Hand	0
20H111Pb	155	Circle_1	934	Environmental	20H	No	Hand	0
20H112SbPb	157	Circle_1	951	Indicative	20H	No	Hand	0
20H113SbPb	158	Circle_1	954	Indicative	20H	No	Hand	0
20H114SbPb	159	Circle_1	958	Indicative	20H	No	Hand	0
20H115SbPb	160	Circle_1	959	Indicative	20H	No	Hand	0
20H116Pb	162	Circle_1	959	Environmental	20H	No	Hand	0
20H116SbPb	161	Circle_1	959	Indicative	20H	No	Hand	0
20H117Pb	163	Circle_1	966	Environmental	20H	No	Hand	0
20H118SbPb	164	Circle_1	968	Indicative	20H	No	Hand	0
20H119SbPb	166	Circle_1	971	Indicative	20H	No	Hand	0
20H11Pb	14	Circle_1	116	Environmental	20H	No	Hand	0
20H120SbPb	167	Circle_1	977	Indicative	20H	No	Hand	0
20H121SbPb	169	Circle_1	978	Indicative	20H	No	Hand	0
20H122Pb	170	Circle_1	980	Environmental	20H	No	Hand	0
20H123Pb	171	Circle_1	981	Environmental	20H	No	Hand	0
20H124SbPb	172	Circle_1	993	Indicative	20H	No	Hand	0
20H125SbPb	173	Circle_1	1014	Indicative	20H	No	Hand	0
20H126Pb	174	Circle_1	1039	Environmental	20H	No	Hand	0
20H127Pb	175	Circle_1	1047	Environmental	20H	No	Hand	0
20H128SbPb	176	Circle_1	1048	Indicative	20H	No	Hand	0

20H129SbPb	177	Circle_1	1051	Indicative	20H	No	Hand	0
20H12Pb	15	Circle_1	124	Environmental	20H	No	Hand	0
20H130SbPb	178	Circle_1	1053	Indicative	20H	No	Hand	0
20H131Pb	179	Circle_1	1053	Environmental	20H	No	Hand	0
20H131SbPb	184	Circle_1	1087	Indicative	20H	No	Hand	0
20H132SbPb	180	Circle_1	1063	Indicative	20H	No	Hand	0
20H133Pb	182	Circle_1	1071	Environmental	20H	No	Hand	0
20H133SbPb	181	Circle_1	1071	Indicative	20H	No	Hand	0
20H134Pb	185	Circle_1	1095	Environmental	20H	No	Hand	0
20H135Pb	186	Circle_1	1101	Environmental	20H	No	Hand	0
20H136Pb	188	Circle_1	1108	Environmental	20H	No	Hand	0
20H137Pb	189	Circle_1	1126	Environmental	20H	No	Hand	0
20H138SbPb	190	Circle_1	1129	Indicative	20H	No	Hand	0
20H139Pb	191	Circle_1	1131	Environmental	20H	No	Hand	0
20H13Pb	16	Circle_1	130	Environmental	20H	No	Hand	0
20H140Pb	192	Circle_1	1134	Environmental	20H	No	Hand	0
20H140SbPb	195	Circle_1	1134	Indicative	20H	No	Hand	0
20H141SbBaPb	210	Circle_1	1135	Unique	20H	No	Hand	0
20H142Pb	211	Circle_1	1155	Environmental	20H	No	Hand	0
20H143SbBaPb	212	Circle_1	1157	Unique	20H	No	Hand	0
20H144Pb	214	Circle_1	1162	Environmental	20H	No	Hand	0
20H144SbPb	213	Circle_1	1162	Indicative	20H	No	Hand	0
20H145Pb	216	Circle_1	1165	Environmental	20H	No	Hand	0
20H146Pb	221	Circle_1	1196	Environmental	20H	No	Hand	0
20H146SbPb	217	Circle_1	1165	Indicative	20H	No	Hand	0
20H147SbPb	219	Circle_1	1169	Indicative	20H	No	Hand	0
20H148SbPb	220	Circle_1	1174	Indicative	20H	No	Hand	0
20H149BaPb	224	Circle_1	1204	Indicative	20H	No	Hand	0
20H149Pb	222	Circle_1	1204	Environmental	20H	No	Hand	0
20H149SbPb	223	Circle_1	1204	Indicative	20H	No	Hand	0

20H14Pb	18	Circle_1	153	Environmental	20H	No	Hand	0
20H14SbBaPb	17	Circle_1	153	Unique	20H	No	Hand	0
20H14SbPb	19	Circle_1	153	Indicative	20H	No	Hand	0
20H150SbPb	226	Circle_1	1204	Indicative	20H	No	Hand	0
20H151Pb	227	Circle_1	1211	Environmental	20H	No	Hand	0
20H152SbPb	228	Circle_1	1223	Indicative	20H	No	Hand	0
20H153Pb	229	Circle_1	1224	Environmental	20H	No	Hand	0
20H154SbPb	230	Circle_1	1229	Indicative	20H	No	Hand	0
20H155SbPb	231	Circle_1	1234	Indicative	20H	No	Hand	0
20H156Pb	232	Circle_1	1234	Environmental	20H	No	Hand	0
20H157SbPb	233	Circle_1	1252	Indicative	20H	No	Hand	0
20H158SbPb	234	Circle_1	1252	Indicative	20H	No	Hand	0
20H159SbPb	235	Circle_1	1260	Indicative	20H	No	Hand	0
20H15Pb	24	Circle_1	162	Environmental	20H	No	Hand	0
20H15SbPb	23	Circle_1	162	Indicative	20H	No	Hand	0
20H160SbPb	236	Circle_1	1267	Indicative	20H	No	Hand	0
20H161SbPb	237	Circle_1	1273	Indicative	20H	No	Hand	0
20H162Pb	238	Circle_1	1278	Environmental	20H	No	Hand	0
20H163Pb	239	Circle_1	1286	Environmental	20H	No	Hand	0
20H164SbPb	240	Circle_1	1296	Indicative	20H	No	Hand	0
20H165SbPb	241	Circle_1	1311	Indicative	20H	No	Hand	0
20H166Pb	242	Circle_1	1331	Environmental	20H	No	Hand	0
20H167SbPb	243	Circle_1	1334	Indicative	20H	No	Hand	0
20H168Pb	244	Circle_1	1339	Environmental	20H	No	Hand	0
20H169Pb	245	Circle_1	1346	Environmental	20H	No	Hand	0
20H16SbPb	25	Circle_1	182	Indicative	20H	No	Hand	0
20H170SbPb	246	Circle_1	1357	Indicative	20H	No	Hand	0
20H171Pb	247	Circle_1	1361	Environmental	20H	No	Hand	0
20H172SbPb	248	Circle_1	1366	Indicative	20H	No	Hand	0
20H173SbPb	249	Circle_1	1376	Indicative	20H	No	Hand	0

20H174Pb	250	Circle_1	1378	Environmental	20H	No	Hand	0
20H175SbPb	251	Circle_1	1383	Indicative	20H	No	Hand	0
20H176Pb	257	Circle_1	1398	Environmental	20H	No	Hand	0
20H176SbPb	256	Circle_1	1398	Indicative	20H	No	Hand	0
20H177Pb	258	Circle_1	1408	Environmental	20H	No	Hand	0
20H178SbPb	259	Circle_1	1413	Indicative	20H	No	Hand	0
20H179SbPb	260	Circle_1	1414	Indicative	20H	No	Hand	0
20H17SbPb	26	Circle_1	184	Indicative	20H	No	Hand	0
20H180Pb	265	Circle_1	1414	Environmental	20H	No	Hand	0
20H180SbPb	262	Circle_1	1414	Indicative	20H	No	Hand	0
20H181SbBaPb	266	Circle_1	1429	Unique	20H	No	Hand	0
20H182Pb	268	Circle_1	1434	Environmental	20H	No	Hand	0
20H182SbPb	267	Circle_1	1434	Indicative	20H	No	Hand	0
20H18Pb	27	Circle_1	205	Environmental	20H	No	Hand	0
20H19Pb	28	Circle_1	205	Environmental	20H	No	Hand	0
20H19SbPb	29	Circle_1	205	Indicative	20H	No	Hand	0
20H1SbPb	1	Circle_1	22	Indicative	20H	No	Hand	0
20H20Pb	31	Circle_1	206	Environmental	20H	No	Hand	0
20H21Pb	33	Circle_1	210	Environmental	20H	No	Hand	0
20H22SbPb	34	Circle_1	234	Indicative	20H	No	Hand	0
20H23SbPb	36	Circle_1	238	Indicative	20H	No	Hand	0
20H24SbPb	37	Circle_1	248	Indicative	20H	No	Hand	0
20H25SbBaPb	38	Circle_1	264	Unique	20H	No	Hand	0
20H26SbBaPb	39	Circle_1	268	Unique	20H	No	Hand	0
20H27Pb	41	Circle_1	274	Environmental	20H	No	Hand	0
20H28Pb	43	Circle_1	284	Environmental	20H	No	Hand	0
20H28SbPb	42	Circle_1	284	Indicative	20H	No	Hand	0
20H29SbBaPb	44	Circle_1	297	Unique	20H	No	Hand	0
20H2Pb	2	Circle_1	37	Environmental	20H	No	Hand	0
20H30SbPb	45	Circle_1	301	Indicative	20H	No	Hand	0

20H31SbPb	47	Circle_1	306	Indicative	20H	No	Hand	0
20H32Pb	48	Circle_1	324	Environmental	20H	No	Hand	0
20H33SbBaPb	51	Circle_1	330	Unique	20H	No	Hand	0
20H34Pb	53	Circle_1	333	Environmental	20H	No	Hand	0
20H35SbPb	55	Circle_1	342	Indicative	20H	No	Hand	0
20H36Pb	57	Circle_1	347	Environmental	20H	No	Hand	0
20H36SbPb	56	Circle_1	347	Indicative	20H	No	Hand	0
20H37Pb	58	Circle_1	351	Environmental	20H	No	Hand	0
20H38Pb	59	Circle_1	352	Environmental	20H	No	Hand	0
20H39SbPb	60	Circle_1	352	Indicative	20H	No	Hand	0
20H3SbPb	4	Circle_1	40	Indicative	20H	No	Hand	0
20H40SbBa	61	Circle_1	355	Indicative	20H	No	Hand	0
20H41SbPb	63	Circle_1	363	Indicative	20H	No	Hand	0
20H42SbPb	65	Circle_1	366	Indicative	20H	No	Hand	0
20H43Pb	66	Circle_1	368	Environmental	20H	No	Hand	0
20H44SbPb	67	Circle_1	370	Indicative	20H	No	Hand	0
20H45Pb	68	Circle_1	376	Environmental	20H	No	Hand	0
20H46SbPb	70	Circle_1	393	Indicative	20H	No	Hand	0
20H47SbPb	71	Circle_1	395	Indicative	20H	No	Hand	0
20H48SbPb	72	Circle_1	404	Indicative	20H	No	Hand	0
20H49SbPb	73	Circle_1	433	Indicative	20H	No	Hand	0
20H4Pb	5	Circle_1	40	Environmental	20H	No	Hand	0
20H50SbPb	74	Circle_1	441	Indicative	20H	No	Hand	0
20H51SbPb	75	Circle_1	447	Indicative	20H	No	Hand	0
20H52Pb	79	Circle_1	454	Environmental	20H	No	Hand	0
20H53SbBaPb	80	Circle_1	457	Unique	20H	No	Hand	0
20H54Pb	81	Circle_1	458	Environmental	20H	No	Hand	0
20H55Pb	82	Circle_1	462	Environmental	20H	No	Hand	0
20H56Pb	90	Circle_1	501	Environmental	20H	No	Hand	0
20H56SbPb	83	Circle_1	465	Indicative	20H	No	Hand	0

20H57Pb	84	Circle_1	470	Environmental	20H	No	Hand	0
20H58Pb	86	Circle_1	472	Environmental	20H	No	Hand	0
20H58SbPb	85	Circle_1	472	Indicative	20H	No	Hand	0
20H59SbBaPb	88	Circle_1	482	Unique	20H	No	Hand	0
20H5SbPb	7	Circle_1	45	Indicative	20H	No	Hand	0
20H60SbPb	89	Circle_1	483	Indicative	20H	No	Hand	0
20H61SbBaPb	91	Circle_1	501	Unique	20H	No	Hand	0
20H62SbPb	92	Circle_1	508	Indicative	20H	No	Hand	0
20H63Pb	93	Circle_1	514	Environmental	20H	No	Hand	0
20H64SbPb	94	Circle_1	519	Indicative	20H	No	Hand	0
20H65SbPb	95	Circle_1	524	Indicative	20H	No	Hand	0
20H66SbPb	96	Circle_1	531	Indicative	20H	No	Hand	0
20H67Pb	99	Circle_1	538	Environmental	20H	No	Hand	0
20H68Pb	100	Circle_1	555	Environmental	20H	No	Hand	0
20H69SbPb	101	Circle_1	557	Indicative	20H	No	Hand	0
20H6SbPb	8	Circle_1	55	Indicative	20H	No	Hand	0
20H70Pb	103	Circle_1	578	Environmental	20H	No	Hand	0
20H71SbBaPb	104	Circle_1	586	Unique	20H	No	Hand	0
20H72SbPb	105	Circle_1	587	Indicative	20H	No	Hand	0
20H73SbPb	107	Circle_1	587	Indicative	20H	No	Hand	0
20H74SbBaPb	108	Circle_1	587	Unique	20H	No	Hand	0
20H75SbBaPb	109	Circle_1	598	Unique	20H	No	Hand	0
20H76Pb	110	Circle_1	614	Environmental	20H	No	Hand	0
20H77SbPb	111	Circle_1	617	Indicative	20H	No	Hand	0
20H78SbPb	112	Circle_1	628	Indicative	20H	No	Hand	0
20H79SbPb	113	Circle_1	629	Indicative	20H	No	Hand	0
20H7SbPb	9	Circle_1	70	Indicative	20H	No	Hand	0
20H80SbPb	114	Circle_1	638	Indicative	20H	No	Hand	0
20H81Pb	115	Circle_1	639	Environmental	20H	No	Hand	0
20H82SbPb	116	Circle_1	640	Indicative	20H	No	Hand	0

20H83Pb	117	Circle_1	651	Environmental	20H	No	Hand	0
20H84Pb	120	Circle_1	656	Environmental	20H	No	Hand	0
20H84SbPb	118	Circle_1	656	Indicative	20H	No	Hand	0
20H85SbPb	121	Circle_1	659	Indicative	20H	No	Hand	0
20H86SbPb	122	Circle_1	659	Indicative	20H	No	Hand	0
20H87SbPb	123	Circle_1	677	Indicative	20H	No	Hand	0
20H88Pb	124	Circle_1	678	Environmental	20H	No	Hand	0
20H89Pb	126	Circle_1	685	Environmental	20H	No	Hand	0
20H89SbPb	128	Circle_1	685	Indicative	20H	No	Hand	0
20H8SbPb	10	Circle_1	75	Indicative	20H	No	Hand	0
20H90SbPb	130	Circle_1	711	Indicative	20H	No	Hand	0
20H91SbPb	131	Circle_1	725	Indicative	20H	No	Hand	0
20H92Pb	132	Circle_1	728	Environmental	20H	No	Hand	0
20H93Pb	133	Circle_1	728	Environmental	20H	No	Hand	0
20H94Pb	134	Circle_1	734	Environmental	20H	No	Hand	0
20H95Pb	136	Circle_1	761	Environmental	20H	No	Hand	0
20H95SbPb	135	Circle_1	761	Indicative	20H	No	Hand	0
20H96Pb	137	Circle_1	772	Environmental	20H	No	Hand	0
20H97Pb	138	Circle_1	787	Environmental	20H	No	Hand	0
20H98Pb	139	Circle_1	787	Environmental	20H	No	Hand	0
20H99Pb	141	Circle_1	791	Environmental	20H	No	Hand	0
20H99SbPb	140	Circle_1	791	Indicative	20H	No	Hand	0
20H9SbBaPb	12	Circle_1	80	Unique	20H	No	Hand	0
32H100Pb	717	Circle_1	197	Environmental	32H	No	Hand	0
32H101Pb	722	Circle_1	198	Environmental	32H	No	Hand	0
32H101SbPb	721	Circle_1	198	Indicative	32H	No	Hand	0
32H102BaPb	723	Circle_1	198	Indicative	32H	No	Hand	0
32H102Pb	726	Circle_1	198	Environmental	32H	No	Hand	0
32H102SbPb	727	Circle_1	198	Indicative	32H	No	Hand	0
32H103Pb	725	Circle_1	198	Environmental	32H	No	Hand	0

32H103SbPb	724	Circle_1	198	Indicative	32H	No	Hand	0
32H104Pb	733	Circle_1	198	Environmental	32H	No	Hand	0
32H104SbPb	728	Circle_1	198	Indicative	32H	No	Hand	0
32H104Unclassified	740	Circle_1	198	Unclassified	32H	No	Hand	0
32H105Pb	731	Circle_1	198	Environmental	32H	No	Hand	0
32H105SbBaPb	732	Circle_1	198	Unique	32H	No	Hand	0
32H105SbPb	729	Circle_1	198	Indicative	32H	No	Hand	0
32H106Pb	748	Circle_1	199	Environmental	32H	No	Hand	0
32H106SbPb	747	Circle_1	199	Indicative	32H	No	Hand	0
32H107SbBaPb	752	Circle_1	203	Unique	32H	No	Hand	0
32H108Pb	754	Circle_1	210	Environmental	32H	No	Hand	0
32H108SbPb	753	Circle_1	210	Indicative	32H	No	Hand	0
32H109Pb	756	Circle_1	210	Environmental	32H	No	Hand	0
32H109SbPb	757	Circle_1	210	Indicative	32H	No	Hand	0
32H10SbPb	54	Circle_1	12	Indicative	32H	No	Hand	0
32H110SbPb	777	Circle_1	210	Indicative	32H	No	Hand	0
32H111Pb	778	Circle_1	212	Environmental	32H	No	Hand	0
32H111SbPb	783	Circle_1	212	Indicative	32H	No	Hand	0
32H112Pb	785	Circle_1	213	Environmental	32H	No	Hand	0
32H112SbBaPb	794	Circle_1	213	Unique	32H	No	Hand	0
32H112SbPb	786	Circle_1	213	Indicative	32H	No	Hand	0
32H113Pb	800	Circle_1	215	Environmental	32H	No	Hand	0
32H113SbPb	797	Circle_1	215	Indicative	32H	No	Hand	0
32H114Pb	804	Circle_1	216	Environmental	32H	No	Hand	0
32H114SbPb	803	Circle_1	216	Indicative	32H	No	Hand	0
32H115Pb	810	Circle_1	226	Environmental	32H	No	Hand	0
32H115SbPb	807	Circle_1	226	Indicative	32H	No	Hand	0
32H116Pb	821	Circle_1	233	Environmental	32H	No	Hand	0
32H116SbPb	820	Circle_1	233	Indicative	32H	No	Hand	0
32H116Unclassified	822	Circle_1	233	Environmental	32H	No	Hand	0

32H117Pb	826	Circle_1	235	Environmental	32H	No	Hand	0
32H117SbPb	825	Circle_1	235	Indicative	32H	No	Hand	0
32H118SbPb	828	Circle_1	235	Indicative	32H	No	Hand	0
32H119SbPb	829	Circle_1	236	Indicative	32H	No	Hand	0
32H11Pb	61	Circle_1	12	Environmental	32H	No	Hand	0
32H11SbPb	59	Circle_1	12	Indicative	32H	No	Hand	0
32H120Pb	835	Circle_1	237	Environmental	32H	No	Hand	0
32H120SbPb	831	Circle_1	237	Indicative	32H	No	Hand	0
32H121SbBaPb	841	Circle_1	243	Unique	32H	No	Hand	0
32H122SbPb	843	Circle_1	243	Indicative	32H	No	Hand	0
32H123SbPb	844	Circle_1	244	Indicative	32H	No	Hand	0
32H124SbPb	845	Circle_1	245	Indicative	32H	No	Hand	0
32H125Pb	847	Circle_1	248	Environmental	32H	No	Hand	0
32H126SbBaPb	848	Circle_1	250	Unique	32H	No	Hand	0
32H127SbPb	849	Circle_1	251	Indicative	32H	No	Hand	0
32H128SbBaPb	850	Circle_1	251	Unique	32H	No	Hand	0
32H129Pb	853	Circle_1	268	Environmental	32H	No	Hand	0
32H129SbPb	857	Circle_1	268	Indicative	32H	No	Hand	0
32H12Pb	58	Circle_1	12	Environmental	32H	No	Hand	0
32H12SbPb	57	Circle_1	12	Indicative	32H	No	Hand	0
32H130SbBaPb	871	Circle_1	268	Unique	32H	No	Hand	0
32H131Pb	878	Circle_1	269	Environmental	32H	No	Hand	0
32H131SbPb	881	Circle_1	269	Indicative	32H	No	Hand	0
32H132SbBaPb	886	Circle_1	272	Unique	32H	No	Hand	0
32H133Pb	890	Circle_1	282	Environmental	32H	No	Hand	0
32H133SbPb	888	Circle_1	282	Indicative	32H	No	Hand	0
32H134Pb	893	Circle_1	282	Environmental	32H	No	Hand	0
32H135SbBaPb	894	Circle_1	286	Unique	32H	No	Hand	0
32H136SbPb	895	Circle_1	288	Indicative	32H	No	Hand	0
32H137SbBaPb	896	Circle_1	291	Unique	32H	No	Hand	0

32H138SbBaPb	897	Circle_1	295	Unique	32H	No	Hand	0
32H139Pb	898	Circle_1	299	Environmental	32H	No	Hand	0
32H13SbPb	65	Circle_1	12	Indicative	32H	No	Hand	0
32H140SbPb	899	Circle_1	300	Indicative	32H	No	Hand	0
32H141SbPb	900	Circle_1	302	Indicative	32H	No	Hand	0
32H142Cu	907	Circle_1	303	Environmental	32H	No	Hand	0
32H142Pb	902	Circle_1	303	Environmental	32H	No	Hand	0
32H142SbPb	905	Circle_1	303	Indicative	32H	No	Hand	0
32H143Pb	909	Circle_1	304	Environmental	32H	No	Hand	0
32H144Pb	911	Circle_1	306	Environmental	32H	No	Hand	0
32H144SbPb	910	Circle_1	306	Indicative	32H	No	Hand	0
32H145Pb	913	Circle_1	313	Environmental	32H	No	Hand	0
32H146BaPb	954	Circle_1	315	Indicative	32H	No	Hand	0
32H146Pb	920	Circle_1	315	Environmental	32H	No	Hand	0
32H146SbBaPb	935	Circle_1	315	Unique	32H	No	Hand	0
32H146SbPb	918	Circle_1	315	Indicative	32H	No	Hand	0
32H147Pb	973	Circle_1	316	Environmental	32H	No	Hand	0
32H147SbPb	975	Circle_1	316	Indicative	32H	No	Hand	0
32H148SbPb	978	Circle_1	320	Indicative	32H	No	Hand	0
32H149Pb	979	Circle_1	321	Environmental	32H	No	Hand	0
32H149SbPb	980	Circle_1	321	Indicative	32H	No	Hand	0
32H14SbPb	66	Circle_1	12	Indicative	32H	No	Hand	0
32H150Pb	983	Circle_1	322	Environmental	32H	No	Hand	0
32H150SbPb	982	Circle_1	322	Indicative	32H	No	Hand	0
32H151Pb	987	Circle_1	327	Environmental	32H	No	Hand	0
32H151SbPb	989	Circle_1	327	Indicative	32H	No	Hand	0
32H152SbPb	990	Circle_1	328	Indicative	32H	No	Hand	0
32H153Pb	992	Circle_1	329	Environmental	32H	No	Hand	0
32H153SbPb	994	Circle_1	329	Indicative	32H	No	Hand	0
32H154BaPb	995	Circle_1	329	Indicative	32H	No	Hand	0

32H155SbPb	996	Circle_1	331	Indicative	32H	No	Hand	0
32H156Pb	998	Circle_1	333	Environmental	32H	No	Hand	0
32H157Pb	1003	Circle_1	338	Environmental	32H	No	Hand	0
32H157SbPb	1001	Circle_1	338	Indicative	32H	No	Hand	0
32H158Pb	1010	Circle_1	339	Environmental	32H	No	Hand	0
32H158SbPb	1006	Circle_1	339	Indicative	32H	No	Hand	0
32H159Pb	1012	Circle_1	340	Environmental	32H	No	Hand	0
32H159SbPb	1011	Circle_1	340	Indicative	32H	No	Hand	0
32H15Pb	71	Circle_1	12	Environmental	32H	No	Hand	0
32H15SbPb	72	Circle_1	12	Indicative	32H	No	Hand	0
32H160Pb	1017	Circle_1	341	Environmental	32H	No	Hand	0
32H160SbPb	1015	Circle_1	341	Indicative	32H	No	Hand	0
32H161Pb	1022	Circle_1	343	Environmental	32H	No	Hand	0
32H161SbPb	1021	Circle_1	343	Indicative	32H	No	Hand	0
32H162Pb	1025	Circle_1	344	Environmental	32H	No	Hand	0
32H162SbPb	1024	Circle_1	344	Indicative	32H	No	Hand	0
32H163Pb	1029	Circle_1	351	Environmental	32H	No	Hand	0
32H163SbPb	1028	Circle_1	351	Indicative	32H	No	Hand	0
32H164Pb	1034	Circle_1	353	Environmental	32H	No	Hand	0
32H164SbPb	1033	Circle_1	353	Indicative	32H	No	Hand	0
32H165Pb	1038	Circle_1	363	Environmental	32H	No	Hand	0
32H165SbPb	1037	Circle_1	363	Indicative	32H	No	Hand	0
32H166SbBaPb	1040	Circle_1	365	Unique	32H	No	Hand	0
32H167Pb	1046	Circle_1	368	Environmental	32H	No	Hand	0
32H167SbPb	1042	Circle_1	368	Indicative	32H	No	Hand	0
32H168SbPb	1047	Circle_1	369	Indicative	32H	No	Hand	0
32H169SbPb	1048	Circle_1	371	Indicative	32H	No	Hand	0
32H16SbPb	68	Circle_1	12	Indicative	32H	No	Hand	0
32H170BaPb	1079	Circle_1	376	Indicative	32H	No	Hand	0
32H170Pb	1052	Circle_1	376	Environmental	32H	No	Hand	0

32H170SbPb	1051	Circle_1	376	Indicative	32H	No	Hand	0
32H171Pb	1087	Circle_1	381	Environmental	32H	No	Hand	0
32H172Pb	1089	Circle_1	382	Environmental	32H	No	Hand	0
32H172SbPb	1091	Circle_1	382	Indicative	32H	No	Hand	0
32H173Pb	1093	Circle_1	382	Environmental	32H	No	Hand	0
32H173SbPb	1095	Circle_1	382	Indicative	32H	No	Hand	0
32H174SbBaPb	1096	Circle_1	386	Unique	32H	No	Hand	0
32H175Pb	1098	Circle_1	386	Environmental	32H	No	Hand	0
32H176SbPb	1100	Circle_1	386	Indicative	32H	No	Hand	0
32H177SbPb	1102	Circle_1	389	Indicative	32H	No	Hand	0
32H178SbPb	1104	Circle_1	395	Indicative	32H	No	Hand	0
32H179Pb	1108	Circle_1	396	Environmental	32H	No	Hand	0
32H17SbPb	70	Circle_1	12	Indicative	32H	No	Hand	0
32H180SbPb	1110	Circle_1	397	Indicative	32H	No	Hand	0
32H181SbPb	1111	Circle_1	398	Indicative	32H	No	Hand	0
32H182Pb	1113	Circle_1	401	Environmental	32H	No	Hand	0
32H183Pb	1115	Circle_1	404	Environmental	32H	No	Hand	0
32H183SbPb	1114	Circle_1	404	Indicative	32H	No	Hand	0
32H184Pb	1118	Circle_1	406	Environmental	32H	No	Hand	0
32H184SbPb	1116	Circle_1	406	Indicative	32H	No	Hand	0
32H185SbPb	1120	Circle_1	406	Indicative	32H	No	Hand	0
32H186SbPb	1122	Circle_1	406	Indicative	32H	No	Hand	0
32H187Pb	1123	Circle_1	406	Environmental	32H	No	Hand	0
32H188Pb	1127	Circle_1	406	Environmental	32H	No	Hand	0
32H188SbPb	1126	Circle_1	406	Indicative	32H	No	Hand	0
32H189Pb	1133	Circle_1	406	Environmental	32H	No	Hand	0
32H189SbPb	1134	Circle_1	406	Indicative	32H	No	Hand	0
32H18SbPb	76	Circle_1	12	Indicative	32H	No	Hand	0
32H190SbPb	1136	Circle_1	409	Indicative	32H	No	Hand	0
32H191SbPb	1137	Circle_1	411	Indicative	32H	No	Hand	0

32H192Pb	1142	Circle_1	411	Environmental	32H	No	Hand	0
32H192SbBaPb	1141	Circle_1	411	Unique	32H	No	Hand	0
32H192SbPb	1140	Circle_1	411	Indicative	32H	No	Hand	0
32H193SbPb	1143	Circle_1	412	Indicative	32H	No	Hand	0
32H194SbPb	1144	Circle_1	412	Indicative	32H	No	Hand	0
32H195Pb	1145	Circle_1	414	Environmental	32H	No	Hand	0
32H196Pb	1147	Circle_1	415	Environmental	32H	No	Hand	0
32H196SbPb	1148	Circle_1	415	Indicative	32H	No	Hand	0
32H197Pb	1153	Circle_1	415	Environmental	32H	No	Hand	0
32H197SbPb	1151	Circle_1	415	Indicative	32H	No	Hand	0
32H198Pb	1156	Circle_1	416	Environmental	32H	No	Hand	0
32H198SbPb	1155	Circle_1	416	Indicative	32H	No	Hand	0
32H199Pb	1160	Circle_1	421	Environmental	32H	No	Hand	0
32H199SbBaPb	1177	Circle_1	421	Unique	32H	No	Hand	0
32H199SbPb	1165	Circle_1	421	Indicative	32H	No	Hand	0
32H19SbPb	77	Circle_1	12	Indicative	32H	No	Hand	0
32H1SbPb	1	Circle_1	5	Indicative	32H	No	Hand	0
32H20SbPb	79	Circle_1	12	Indicative	32H	No	Hand	0
32H21Pb	81	Circle_1	12	Environmental	32H	No	Hand	0
32H22Pb	82	Circle_1	12	Environmental	32H	No	Hand	0
32H23SbPb	83	Circle_1	12	Indicative	32H	No	Hand	0
32H24Pb	85	Circle_1	16	Environmental	32H	No	Hand	0
32H25Pb	90	Circle_1	25	Environmental	32H	No	Hand	0
32H25SbPb	88	Circle_1	25	Indicative	32H	No	Hand	0
32H26SbPb	94	Circle_1	26	Indicative	32H	No	Hand	0
32H27SbPb	96	Circle_1	26	Indicative	32H	No	Hand	0
32H28Pb	98	Circle_1	26	Environmental	32H	No	Hand	0
32H29SbPb	99	Circle_1	26	Indicative	32H	No	Hand	0
32H2Pb	5	Circle_1	6	Environmental	32H	No	Hand	0
32H2SbPb	3	Circle_1	6	Indicative	32H	No	Hand	0

32H30Pb	101	Circle_1	26	Environmental	32H	No	Hand	0
32H30SbPb	100	Circle_1	26	Indicative	32H	No	Hand	0
32H31SbPb	103	Circle_1	26	Indicative	32H	No	Hand	0
32H32Pb	105	Circle_1	26	Environmental	32H	No	Hand	0
32H32SbPb	106	Circle_1	26	Indicative	32H	No	Hand	0
32H33BaPb	300	Circle_1	26	Indicative	32H	No	Hand	0
32H33Pb	108	Circle_1	26	Environmental	32H	No	Hand	0
32H33SbBaPb	170	Circle_1	26	Unique	32H	No	Hand	0
32H33SbPb	111	Circle_1	26	Indicative	32H	No	Hand	0
32H34Pb	120	Circle_1	26	Environmental	32H	No	Hand	0
32H34SbPb	133	Circle_1	26	Indicative	32H	No	Hand	0
32H35Pb	316	Circle_1	28	Environmental	32H	No	Hand	0
32H35SbPb	315	Circle_1	28	Indicative	32H	No	Hand	0
32H36SbPb	318	Circle_1	35	Indicative	32H	No	Hand	0
32H37SbPb	319	Circle_1	39	Indicative	32H	No	Hand	0
32H38BaPb	444	Circle_1	43	Indicative	32H	No	Hand	0
32H38Pb	326	Circle_1	43	Environmental	32H	No	Hand	0
32H38SbBaPb	416	Circle_1	43	Unique	32H	No	Hand	0
32H38SbPb	325	Circle_1	43	Indicative	32H	No	Hand	0
32H39Pb	455	Circle_1	48	Environmental	32H	No	Hand	0
32H38Unclassified	401	Circle_1	43	Environmental	32H	No	Hand	0
32H39SbPb	454	Circle_1	48	Indicative	32H	No	Hand	0
32H39Pb	453	Circle_1	48	Environmental	32H	No	Hand	0
32H39SbPb	452	Circle_1	48	Indicative	32H	No	Hand	0
32H40Pb	457	Circle_1	50	Environmental	32H	No	Hand	0
32H3SbPb	32	Circle_1	10	Indicative	32H	No	Hand	0
32H40SbPb	459	Circle_1	50	Indicative	32H	No	Hand	0
32H40Pb	456	Circle_1	50	Environmental	32H	No	Hand	0
32H40SbPb	458	Circle_1	50	Indicative	32H	No	Hand	0
32H42SbPb	467	Circle_1	54	Indicative	32H	No	Hand	0

32H41Pb	465	Circle_1	51	Environmental	32H	No	Hand	0
32H42SbPb	466	Circle_1	54	Indicative	32H	No	Hand	0
32H43SbPb	471	Circle_1	58	Indicative	32H	No	Hand	0
32H43Pb	472	Circle_1	58	Environmental	32H	No	Hand	0
32H43SbPb	470	Circle_1	58	Indicative	32H	No	Hand	0
32H45Pb	485	Circle_1	61	Environmental	32H	No	Hand	0
32H44Pb	473	Circle_1	59	Environmental	32H	No	Hand	0
32H45SbPb	483	Circle_1	61	Indicative	32H	No	Hand	0
32H45Pb	482	Circle_1	61	Environmental	32H	No	Hand	0
32H45SbPb	474	Circle_1	60	Indicative	32H	No	Hand	0
32H46SbPb	478	Circle_1	60	Indicative	32H	No	Hand	0
32H46Pb	479	Circle_1	60	Environmental	32H	No	Hand	0
32H47Pb	490	Circle_1	63	Environmental	32H	No	Hand	0
32H46SbPb	477	Circle_1	60	Indicative	32H	No	Hand	0
32H47SbPb	487	Circle_1	63	Indicative	32H	No	Hand	0
32H47Pb	489	Circle_1	63	Environmental	32H	No	Hand	0
32H48Pb	494	Circle_1	69	Environmental	32H	No	Hand	0
32H47SbPb	486	Circle_1	63	Indicative	32H	No	Hand	0
32H48SbPb	493	Circle_1	69	Indicative	32H	No	Hand	0
32H48Pb	492	Circle_1	69	Environmental	32H	No	Hand	0
32H49Pb	505	Circle_1	71	Environmental	32H	No	Hand	0
32H48SbPb	491	Circle_1	69	Indicative	32H	No	Hand	0
32H49SbPb	504	Circle_1	71	Indicative	32H	No	Hand	0
32H49Pb	502	Circle_1	71	Environmental	32H	No	Hand	0
32H4Pb	34	Circle_1	11	Environmental	32H	No	Hand	0
32H49SbPb	503	Circle_1	71	Indicative	32H	No	Hand	0
32H4SbPb	37	Circle_1	11	Indicative	32H	No	Hand	0
32H4Pb	33	Circle_1	11	Environmental	32H	No	Hand	0
32H4SbPb	35	Circle_1	11	Indicative	32H	No	Hand	0
32H50Pb	507	Circle_1	71	Environmental	32H	No	Hand	0

32H51Pb	508	Circle_1	74	Environmental	32H	No	Hand	0
32H51SbPb	509	Circle_1	74	Indicative	32H	No	Hand	0
32H53Pb	512	Circle_1	80	Environmental	32H	No	Hand	0
32H52SbPb	510	Circle_1	77	Indicative	32H	No	Hand	0
32H53Pb	511	Circle_1	80	Environmental	32H	No	Hand	0
32H54Pb	514	Circle_1	80	Environmental	32H	No	Hand	0
32H54SbPb	513	Circle_1	80	Indicative	32H	No	Hand	0
32H55Pb	515	Circle_1	86	Environmental	32H	No	Hand	0
32H57Pb	518	Circle_1	89	Environmental	32H	No	Hand	0
32H56SbPb	516	Circle_1	87	Indicative	32H	No	Hand	0
32H57SbPb	520	Circle_1	89	Indicative	32H	No	Hand	0
32H57Pb	517	Circle_1	89	Environmental	32H	No	Hand	0
32H58SbBaPb	526	Circle_1	90	Unique	32H	No	Hand	0
32H57SbPb	519	Circle_1	89	Indicative	32H	No	Hand	0
32H58SbBaPb	525	Circle_1	90	Unique	32H	No	Hand	0
32H59SbPb	528	Circle_1	90	Indicative	32H	No	Hand	0
32H59Pb	530	Circle_1	90	Environmental	32H	No	Hand	0
32H59SbPb	527	Circle_1	90	Indicative	32H	No	Hand	0
32H60Pb	532	Circle_1	91	Environmental	32H	No	Hand	0
32H5Pb	39	Circle_1	12	Environmental	32H	No	Hand	0
32H60Pb	531	Circle_1	91	Environmental	32H	No	Hand	0
32H60SbPb	537	Circle_1	91	Indicative	32H	No	Hand	0
32H61Pb	539	Circle_1	92	Environmental	32H	No	Hand	0
32H62SbBaPb	540	Circle_1	98	Unique	32H	No	Hand	0
32H63SbBaPb	541	Circle_1	99	Unique	32H	No	Hand	0
32H65Pb	547	Circle_1	106	Environmental	32H	No	Hand	0
32H64Pb	542	Circle_1	99	Environmental	32H	No	Hand	0
32H65SbPb	544	Circle_1	106	Indicative	32H	No	Hand	0
32H65Pb	546	Circle_1	106	Environmental	32H	No	Hand	0
32H65SbPb	543	Circle_1	106	Indicative	32H	No	Hand	0

32H66SbBaPb	557	Circle_1	111	Unique	32H	No	Hand	0
32H66SbPb	558	Circle_1	111	Indicative	32H	No	Hand	0
32H68SbPb	561	Circle_1	127	Indicative	32H	No	Hand	0
32H67SbBaPb	559	Circle_1	126	Unique	32H	No	Hand	0
32H69SbBaPb	563	Circle_1	128	Unique	32H	No	Hand	0
32H68SbPb	560	Circle_1	127	Indicative	32H	No	Hand	0
32H6Pb	41	Circle_1	12	Environmental	32H	No	Hand	0
32H69SbBaPb	562	Circle_1	128	Unique	32H	No	Hand	0
32H70Pb	569	Circle_1	134	Environmental	32H	No	Hand	0
32H6Pb	40	Circle_1	12	Environmental	32H	No	Hand	0
32H70SbPb	566	Circle_1	134	Indicative	32H	No	Hand	0
32H70Pb	565	Circle_1	134	Environmental	32H	No	Hand	0
32H70SbPb	564	Circle_1	134	Indicative	32H	No	Hand	0
32H71SbPb	592	Circle_1	140	Indicative	32H	No	Hand	0
32H71Pb	594	Circle_1	140	Environmental	32H	No	Hand	0
32H71SbPb	591	Circle_1	140	Indicative	32H	No	Hand	0
32H73SbBaPb	601	Circle_1	142	Unique	32H	No	Hand	0
32H72Pb	598	Circle_1	142	Environmental	32H	No	Hand	0
32H73SbBaPb	600	Circle_1	142	Unique	32H	No	Hand	0
32H73SbPb	599	Circle_1	142	Indicative	32H	No	Hand	0
32H74SbPb	603	Circle_1	143	Indicative	32H	No	Hand	0
32H74Pb	643	Circle_1	170	Environmental	32H	No	Hand	0
32H75Pb	608	Circle_1	153	Environmental	32H	No	Hand	0
32H74SbPb	602	Circle_1	143	Indicative	32H	No	Hand	0
32H75SbPb	607	Circle_1	153	Indicative	32H	No	Hand	0
32H75Pb	606	Circle_1	153	Environmental	32H	No	Hand	0
32H75SbPb	605	Circle_1	153	Indicative	32H	No	Hand	0
32H76Pb	610	Circle_1	156	Environmental	32H	No	Hand	0
32H77Pb	613	Circle_1	156	Environmental	32H	No	Hand	0
32H76SbPb	609	Circle_1	156	Indicative	32H	No	Hand	0

32H77Pb	612	Circle_1	156	Environmental	32H	No	Hand	0
32H78Pb	619	Circle_1	161	Environmental	32H	No	Hand	0
32H77SbPb	611	Circle_1	156	Indicative	32H	No	Hand	0
32H78Pb	615	Circle_1	161	Environmental	32H	No	Hand	0
32H78SbPb	616	Circle_1	161	Indicative	32H	No	Hand	0
32H78SbBaPb	618	Circle_1	161	Unique	32H	No	Hand	0
32H79Pb	627	Circle_1	163	Environmental	32H	No	Hand	0
32H78SbPb	614	Circle_1	161	Indicative	32H	No	Hand	0
32H79SbPb	625	Circle_1	163	Indicative	32H	No	Hand	0
32H79Pb	624	Circle_1	163	Environmental	32H	No	Hand	0
32H7Pb	44	Circle_1	12	Environmental	32H	No	Hand	0
32H79SbPb	623	Circle_1	163	Indicative	32H	No	Hand	0
32H7Pb	43	Circle_1	12	Environmental	32H	No	Hand	0
32H80Pb	631	Circle_1	164	Environmental	32H	No	Hand	0
32H7SbPb	46	Circle_1	12	Indicative	32H	No	Hand	0
32H80SbPb	632	Circle_1	164	Indicative	32H	No	Hand	0
32H80Pb	629	Circle_1	164	Environmental	32H	No	Hand	0
32H81Pb	635	Circle_1	165	Environmental	32H	No	Hand	0
32H80SbPb	630	Circle_1	164	Indicative	32H	No	Hand	0
32H81Pb	634	Circle_1	165	Environmental	32H	No	Hand	0
32H81SbPb	633	Circle_1	165	Indicative	32H	No	Hand	0
32H82Pb	640	Circle_1	167	Environmental	32H	No	Hand	0
32H82SbPb	641	Circle_1	167	Indicative	32H	No	Hand	0
32H83SbBaPb	642	Circle_1	169	Unique	32H	No	Hand	0
32H84SbPb	644	Circle_1	170	Indicative	32H	No	Hand	0
32H85SbPb	646	Circle_1	174	Indicative	32H	No	Hand	0
32H85Pb	648	Circle_1	174	Environmental	32H	No	Hand	0
32H86Pb	652	Circle_1	174	Environmental	32H	No	Hand	0
32H85SbPb	645	Circle_1	174	Indicative	32H	No	Hand	0
32H86SbPb	654	Circle_1	174	Indicative	32H	No	Hand	0

32H86Pb	650	Circle_1	174	Environmental	32H	No	Hand	0
32H87Pb	665	Circle_1	176	Environmental	32H	No	Hand	0
32H86SbPb	651	Circle_1	174	Indicative	32H	No	Hand	0
32H87SbPb	668	Circle_1	176	Indicative	32H	No	Hand	0
32H87Pb	663	Circle_1	176	Environmental	32H	No	Hand	0
32H88Pb	671	Circle_1	177	Environmental	32H	No	Hand	0
32H87SbPb	664	Circle_1	176	Indicative	32H	No	Hand	0
32H89Pb	675	Circle_1	179	Environmental	32H	No	Hand	0
32H88Pb	670	Circle_1	177	Environmental	32H	No	Hand	0
32H89SbPb	673	Circle_1	179	Indicative	32H	No	Hand	0
32H89Pb	674	Circle_1	179	Environmental	32H	No	Hand	0
32H89SbPb	672	Circle_1	179	Indicative	32H	No	Hand	0
32H8SbPb	52	Circle_1	12	Indicative	32H	No	Hand	0
32H8Pb	47	Circle_1	12	Environmental	32H	No	Hand	0
32H8SbPb	51	Circle_1	12	Indicative	32H	No	Hand	0
32H91Pb	681	Circle_1	187	Environmental	32H	No	Hand	0
32H90SbBaPb	676	Circle_1	182	Unique	32H	No	Hand	0
32H91SbPb	678	Circle_1	187	Indicative	32H	No	Hand	0
32H91Pb	679	Circle_1	187	Environmental	32H	No	Hand	0
32H91SbPb	677	Circle_1	187	Indicative	32H	No	Hand	0
32H92Pb	699	Circle_1	187	Environmental	32H	No	Hand	0
32H91Unclassified	694	Circle_1	187	Unclassified	32H	No	Hand	0
32H92SbPb	700	Circle_1	187	Indicative	32H	No	Hand	0
32H92Pb	698	Circle_1	187	Environmental	32H	No	Hand	0
32H92SbPb	697	Circle_1	187	Indicative	32H	No	Hand	0
32H93Pb	702	Circle_1	188	Environmental	32H	No	Hand	0
32H94Pb	703	Circle_1	189	Environmental	32H	No	Hand	0
32H96Pb	707	Circle_1	189	Environmental	32H	No	Hand	0
32H95SbPb	704	Circle_1	189	Indicative	32H	No	Hand	0
32H96SbPb	708	Circle_1	189	Indicative	32H	No	Hand	0

32H96Pb	706	Circle_1	189	Environmental	32H	No	Hand	0
32H97SbPb	712	Circle_1	189	Indicative	32H	No	Hand	0
32H96SbPb	705	Circle_1	189	Indicative	32H	No	Hand	0
32H97SbPb	711	Circle_1	189	Indicative	32H	No	Hand	0
32H98Pb	713	Circle_1	190	Environmental	32H	No	Hand	0
32H99SbBaPb	716	Circle_1	196	Unique	32H	No	Hand	0
32H98SbPb	714	Circle_1	190	Indicative	32H	No	Hand	0
32H99SbBaPb	715	Circle_1	196	Unique	32H	No	Hand	0
32H9SbPb	49	Circle_1	12	Indicative	32H	No	Hand	0
32H9Pb	50	Circle_1	12	Environmental	32H	No	Hand	0
32H9SbPb	48	Circle_1	12	Indicative	32H	No	Hand	0
8H1Pb	1186	Circle_3	4088	Environmental	8H	No	Hand	2
15H1SbPb	46	Circle_3	3918	Indicative	15H	No	Hand	2
34F1Pb	31	Circle_2	1437	Environmental	34F	No	Face	0
34F1SbPb	30	Circle_2	1437	Indicative	34F	No	Face	0
34H10Pb	13	Circle_1	877	Environmental	34H	No	Hand	0
34H10SbPb	14	Circle_1	877	Indicative	34H	No	Hand	0
34H11Pb	16	Circle_1	881	Environmental	34H	No	Hand	0
34H11SbPb	15	Circle_1	881	Indicative	34H	No	Hand	0
34H12SbBaPb	17	Circle_1	910	Unique	34H	No	Hand	0
34H13Pb	18	Circle_1	928	Environmental	34H	No	Hand	0
34H14SbPb	22	Circle_1	1083	Indicative	34H	No	Hand	0
34H15SbPb	23	Circle_1	1162	Indicative	34H	No	Hand	0
34H16Pb	25	Circle_1	1200	Environmental	34H	No	Hand	0
34H16SbPb	24	Circle_1	1200	Indicative	34H	No	Hand	0
34H17Pb	27	Circle_1	1231	Environmental	34H	No	Hand	0
34H17SbPb	26	Circle_1	1231	Indicative	34H	No	Hand	0
34H18Pb	29	Circle_1	1422	Environmental	34H	No	Hand	0
34H18SbPb	28	Circle_1	1422	Indicative	34H	No	Hand	0
34H1SbPb	1	Circle_1	49	Indicative	34H	No	Hand	0

34H2SbPb	2	Circle_1	49	Indicative	34H	No	Hand	0
34H3SbBaPb	3	Circle_1	60	Unique	34H	No	Hand	0
34H4Pb	4	Circle_1	581	Environmental	34H	No	Hand	0
34H5SbPb	6	Circle_1	585	Indicative	34H	No	Hand	0
34H6Pb	8	Circle_1	604	Environmental	34H	No	Hand	0
34H6SbPb	7	Circle_1	604	Indicative	34H	No	Hand	0
34H7SbPb	9	Circle_1	721	Indicative	34H	No	Hand	0
34H8SbPb	10	Circle_1	721	Indicative	34H	No	Hand	0
34H9SbPb	11	Circle_1	732	Indicative	34H	No	Hand	0
16H1Pb	129	Circle_3	3220	Environmental	16H	No	Hand	2
43H10Pb	17	Circle_1	261	Environmental	43H	No	Hand	0
43H10SbPb	15	Circle_1	261	Indicative	43H	No	Hand	0
43H11SbPb	19	Circle_1	266	Indicative	43H	No	Hand	0
43H12Pb	20	Circle_1	283	Environmental	43H	No	Hand	0
43H13SbPb	21	Circle_1	333	Indicative	43H	No	Hand	0
43H14SbPb	22	Circle_1	442	Indicative	43H	No	Hand	0
43H15SbPb	23	Circle_1	530	Indicative	43H	No	Hand	0
43H16Pb	24	Circle_1	556	Environmental	43H	No	Hand	0
43H17SbPb	25	Circle_1	601	Indicative	43H	No	Hand	0
43H18BaPb	27	Circle_1	657	Indicative	43H	No	Hand	0
43H18Pb	30	Circle_1	657	Environmental	43H	No	Hand	0
43H18SbPb	26	Circle_1	657	Indicative	43H	No	Hand	0
43H19Pb	45	Circle_1	657	Environmental	43H	No	Hand	0
43H19SbBaPb	54	Circle_1	657	Unique	43H	No	Hand	0
43H19SbPb	44	Circle_1	657	Indicative	43H	No	Hand	0
43H1Pb	1	Circle_1	83	Environmental	43H	No	Hand	0
43H20SbPb	63	Circle_1	664	Indicative	43H	No	Hand	0
43H21SbPb	64	Circle_1	669	Indicative	43H	No	Hand	0
43H22Pb	65	Circle_1	687	Environmental	43H	No	Hand	0
43H23SbBaPb	67	Circle_1	693	Unique	43H	No	Hand	0

43H24SbPb	68	Circle_1	695	Indicative	43H	No	Hand	0
43H25Pb	70	Circle_1	727	Environmental	43H	No	Hand	0
43H25SbPb	69	Circle_1	727	Indicative	43H	No	Hand	0
43H26Pb	72	Circle_1	764	Environmental	43H	No	Hand	0
43H26SbPb	71	Circle_1	764	Indicative	43H	No	Hand	0
43H27Pb	75	Circle_1	807	Environmental	43H	No	Hand	0
43H27SbPb	73	Circle_1	807	Indicative	43H	No	Hand	0
43H28SbBaPb	76	Circle_1	820	Unique	43H	No	Hand	0
43H29SbPb	77	Circle_1	830	Indicative	43H	No	Hand	0
43H2Pb	2	Circle_1	97	Environmental	43H	No	Hand	0
43H30Pb	78	Circle_1	902	Environmental	43H	No	Hand	0
43H31Pb	81	Circle_1	903	Environmental	43H	No	Hand	0
43H31SbBaPb	80	Circle_1	903	Unique	43H	No	Hand	0
43H31SbPb	82	Circle_1	903	Indicative	43H	No	Hand	0
43H32Pb	85	Circle_1	910	Environmental	43H	No	Hand	0
43H33Pb	86	Circle_1	992	Environmental	43H	No	Hand	0
43H34Pb	88	Circle_1	1088	Environmental	43H	No	Hand	0
43H34SbPb	87	Circle_1	1088	Indicative	43H	No	Hand	0
43H35SbPb	89	Circle_1	1116	Indicative	43H	No	Hand	0
43H36Pb	93	Circle_1	1173	Environmental	43H	No	Hand	0
43H36SbBaPb	92	Circle_1	1173	Unique	43H	No	Hand	0
43H36SbPb	91	Circle_1	1173	Indicative	43H	No	Hand	0
43H37Pb	113	Circle_1	1233	Environmental	43H	No	Hand	0
43H37SbPb	99	Circle_1	1233	Indicative	43H	No	Hand	0
43H38SbPb	126	Circle_1	1236	Indicative	43H	No	Hand	0
43H39SbPb	127	Circle_1	1319	Indicative	43H	No	Hand	0
43H3SbPb	4	Circle_1	117	Indicative	43H	No	Hand	0
43H4SbPb	6	Circle_1	148	Indicative	43H	No	Hand	0
43H5SbBaPb	7	Circle_1	170	Unique	43H	No	Hand	0
43H6Pb	9	Circle_1	213	Environmental	43H	No	Hand	0

43H6SbPb	8	Circle_1	213	Indicative	43H	No	Hand	0
43H7Pb	11	Circle_1	213	Environmental	43H	No	Hand	0
43H7SbPb	10	Circle_1	213	Indicative	43H	No	Hand	0
43H8Pb	13	Circle_1	228	Environmental	43H	No	Hand	0
43H8SbPb	12	Circle_1	228	Indicative	43H	No	Hand	0
43H9SbPb	14	Circle_1	237	Indicative	43H	No	Hand	0
24H1SbPb	612	Circle_3	3339	Indicative	24H	No	Hand	2
45H100Pb	492	Circle_1	240	Environmental	45H	No	Hand	0
45H100SbPb	494	Circle_1	240	Indicative	45H	No	Hand	0
45H101Pb	504	Circle_1	251	Environmental	45H	No	Hand	0
45H101SbBaPb	496	Circle_1	251	Unique	45H	No	Hand	0
45H101SbPb	495	Circle_1	251	Indicative	45H	No	Hand	0
45H102Pb	516	Circle_1	252	Environmental	45H	No	Hand	0
45H102SbPb	513	Circle_1	252	Indicative	45H	No	Hand	0
45H103SbBaPb	521	Circle_1	253	Unique	45H	No	Hand	0
45H104SbPb	523	Circle_1	261	Indicative	45H	No	Hand	0
45H105Pb	534	Circle_1	262	Environmental	45H	No	Hand	0
45H106SbPb	535	Circle_1	263	Indicative	45H	No	Hand	0
45H107Pb	536	Circle_1	263	Environmental	45H	No	Hand	0
45H107SbPb	537	Circle_1	263	Indicative	45H	No	Hand	0
45H108BaPb	556	Circle_1	265	Indicative	45H	No	Hand	0
45H108Pb	539	Circle_1	265	Environmental	45H	No	Hand	0
45H108SbBaPb	551	Circle_1	265	Unique	45H	No	Hand	0
45H108SbPb	538	Circle_1	265	Indicative	45H	No	Hand	0
45H109Pb	552	Circle_1	265	Environmental	45H	No	Hand	0
45H109SbBaPb	568	Circle_1	265	Unique	45H	No	Hand	0
45H109SbPb	561	Circle_1	265	Indicative	45H	No	Hand	0
45H109Unclassified	569	Circle_1	265	Unclassified	45H	No	Hand	0
45H10SbPb	44	Circle_1	13	Indicative	45H	No	Hand	0
45H110Pb	577	Circle_1	266	Environmental	45H	No	Hand	0

45H110SbBaPb	576	Circle_1	266	Unique	45H	No	Hand	0
45H110SbPb	570	Circle_1	266	Indicative	45H	No	Hand	0
45H111BaPb	598	Circle_1	266	Indicative	45H	No	Hand	0
45H111Pb	581	Circle_1	266	Environmental	45H	No	Hand	0
45H111SbBaPb	582	Circle_1	266	Unique	45H	No	Hand	0
45H111SbPb	580	Circle_1	266	Indicative	45H	No	Hand	0
45H112Pb	608	Circle_1	266	Environmental	45H	No	Hand	0
45H11SbBaPb	46	Circle_1	24	Unique	45H	No	Hand	0
45H11SbPb	45	Circle_1	24	Indicative	45H	No	Hand	0
45H12Pb	47	Circle_1	28	Environmental	45H	No	Hand	0
45H13Pb	52	Circle_1	35	Environmental	45H	No	Hand	0
45H13SbPb	53	Circle_1	35	Indicative	45H	No	Hand	0
45H13Unclassified	66	Circle_1	35	Unclassified	45H	No	Hand	0
45H14Pb	70	Circle_1	37	Environmental	45H	No	Hand	0
45H14SbPb	69	Circle_1	37	Indicative	45H	No	Hand	0
45H15SbBa	213	Circle_1	63	Indicative	45H	No	Hand	0
45H15SbBaPb	72	Circle_1	44	Unique	45H	No	Hand	0
45H16SbPb	73	Circle_1	46	Indicative	45H	No	Hand	0
45H17SbPb	75	Circle_1	46	Indicative	45H	No	Hand	0
45H18SbPb	76	Circle_1	46	Indicative	45H	No	Hand	0
45H19SbPb	78	Circle_1	46	Indicative	45H	No	Hand	0
45H1Pb	1	Circle_1	4	Environmental	45H	No	Hand	0
45H1Unclassified	2	Circle_1	4	Unclassified	45H	No	Hand	0
45H20Pb	81	Circle_1	46	Environmental	45H	No	Hand	0
45H20SbPb	79	Circle_1	46	Indicative	45H	No	Hand	0
45H21Pb	83	Circle_1	46	Environmental	45H	No	Hand	0
45H22SbPb	84	Circle_1	46	Indicative	45H	No	Hand	0
45H23SbPb	86	Circle_1	47	Indicative	45H	No	Hand	0
45H24SbPb	93	Circle_1	47	Indicative	45H	No	Hand	0
45H25Pb	94	Circle_1	47	Environmental	45H	No	Hand	0

45H25SbPb	97	Circle_1	47	Indicative	45H	No	Hand	0
45H26SbPb	95	Circle_1	47	Indicative	45H	No	Hand	0
45H27Pb	107	Circle_1	47	Environmental	45H	No	Hand	0
45H27SbBaPb	113	Circle_1	47	Unique	45H	No	Hand	0
45H27SbPb	98	Circle_1	47	Indicative	45H	No	Hand	0
45H28Pb	128	Circle_1	47	Environmental	45H	No	Hand	0
45H28SbPb	127	Circle_1	47	Indicative	45H	No	Hand	0
45H29Pb	144	Circle_1	47	Environmental	45H	No	Hand	0
45H29SbPb	140	Circle_1	47	Indicative	45H	No	Hand	0
45H2SbPb	4	Circle_1	6	Indicative	45H	No	Hand	0
45H30SbPb	145	Circle_1	47	Indicative	45H	No	Hand	0
45H31Pb	148	Circle_1	47	Environmental	45H	No	Hand	0
45H32SbPb	149	Circle_1	53	Indicative	45H	No	Hand	0
45H33Pb	150	Circle_1	53	Environmental	45H	No	Hand	0
45H33SbBaPb	154	Circle_1	53	Unique	45H	No	Hand	0
45H33SbPb	151	Circle_1	53	Indicative	45H	No	Hand	0
45H34Pb	177	Circle_1	54	Environmental	45H	No	Hand	0
45H34SbPb	167	Circle_1	54	Indicative	45H	No	Hand	0
45H35Pb	194	Circle_1	55	Environmental	45H	No	Hand	0
45H36Pb	196	Circle_1	62	Environmental	45H	No	Hand	0
45H36SbPb	195	Circle_1	62	Indicative	45H	No	Hand	0
45H37Pb	219	Circle_1	64	Environmental	45H	No	Hand	0
45H37SbPb	218	Circle_1	64	Indicative	45H	No	Hand	0
45H38Pb	223	Circle_1	65	Environmental	45H	No	Hand	0
45H38SbPb	221	Circle_1	65	Indicative	45H	No	Hand	0
45H39Pb	234	Circle_1	66	Environmental	45H	No	Hand	0
45H39SbPb	227	Circle_1	66	Indicative	45H	No	Hand	0
45H3SbPb	5	Circle_1	6	Indicative	45H	No	Hand	0
45H40SbPb	230	Circle_1	66	Indicative	45H	No	Hand	0
45H41SbBaPb	235	Circle_1	70	Unique	45H	No	Hand	0

45H42SbBaPb	237	Circle_1	73	Unique	45H	No	Hand	0
45H42SbPb	236	Circle_1	73	Indicative	45H	No	Hand	0
45H43SbPb	239	Circle_1	74	Indicative	45H	No	Hand	0
45H44SbBaPb	244	Circle_1	77	Unique	45H	No	Hand	0
45H45Pb	246	Circle_1	83	Environmental	45H	No	Hand	0
45H45SbPb	245	Circle_1	83	Indicative	45H	No	Hand	0
45H46SbBaPb	272	Circle_1	84	Unique	45H	No	Hand	0
45H47SbBaPb	275	Circle_1	88	Unique	45H	No	Hand	0
45H48Pb	288	Circle_1	95	Environmental	45H	No	Hand	0
45H48SbPb	283	Circle_1	95	Indicative	45H	No	Hand	0
45H48Unclassified	286	Circle_1	95	Unclassified	45H	No	Hand	0
45H49SbBaPb	293	Circle_1	99	Unique	45H	No	Hand	0
45H4SbBaPb	6	Circle_1	7	Unique	45H	No	Hand	0
45H50Pb	296	Circle_1	102	Environmental	45H	No	Hand	0
45H50SbPb	294	Circle_1	102	Indicative	45H	No	Hand	0
45H51SbBaPb	297	Circle_1	106	Unique	45H	No	Hand	0
45H52Pb	301	Circle_1	111	Environmental	45H	No	Hand	0
45H52SbPb	299	Circle_1	111	Indicative	45H	No	Hand	0
45H53SbPb	303	Circle_1	111	Indicative	45H	No	Hand	0
45H54Pb	306	Circle_1	111	Environmental	45H	No	Hand	0
45H54SbPb	304	Circle_1	111	Indicative	45H	No	Hand	0
45H55Pb	311	Circle_1	114	Environmental	45H	No	Hand	0
45H55SbPb	312	Circle_1	114	Indicative	45H	No	Hand	0
45H56SbPb	313	Circle_1	114	Indicative	45H	No	Hand	0
45H57SbPb	314	Circle_1	114	Indicative	45H	No	Hand	0
45H58SbPb	316	Circle_1	114	Indicative	45H	No	Hand	0
45H59SbPb	318	Circle_1	114	Indicative	45H	No	Hand	0
45H5Pb	7	Circle_1	7	Environmental	45H	No	Hand	0
45H60Pb	368	Circle_1	141	Environmental	45H	No	Hand	0
45H60SbBaPb	365	Circle_1	141	Unique	45H	No	Hand	0

45H60SbPb	320	Circle_1	116	Indicative	45H	No	Hand	0
45H61SbPb	324	Circle_1	123	Indicative	45H	No	Hand	0
45H62SbPb	325	Circle_1	124	Indicative	45H	No	Hand	0
45H63SbBaPb	328	Circle_1	124	Unique	45H	No	Hand	0
45H63SbPb	326	Circle_1	124	Indicative	45H	No	Hand	0
45H64Pb	331	Circle_1	131	Environmental	45H	No	Hand	0
45H64SbPb	330	Circle_1	131	Indicative	45H	No	Hand	0
45H65Pb	333	Circle_1	132	Environmental	45H	No	Hand	0
45H65SbPb	334	Circle_1	132	Indicative	45H	No	Hand	0
45H66Pb	336	Circle_1	132	Environmental	45H	No	Hand	0
45H67SbPb	337	Circle_1	132	Indicative	45H	No	Hand	0
45H68Pb	339	Circle_1	132	Environmental	45H	No	Hand	0
45H69SbPb	340	Circle_1	134	Indicative	45H	No	Hand	0
45H6SbPb	8	Circle_1	9	Indicative	45H	No	Hand	0
45H70SbBaPb	388	Circle_1	161	Unique	45H	No	Hand	0
45H70SbPb	352	Circle_1	134	Indicative	45H	No	Hand	0
45H71SbBaPb	376	Circle_1	142	Unique	45H	No	Hand	0
45H72Pb	380	Circle_1	149	Environmental	45H	No	Hand	0
45H72SbPb	378	Circle_1	149	Indicative	45H	No	Hand	0
45H73SbPb	381	Circle_1	156	Indicative	45H	No	Hand	0
45H74SbPb	382	Circle_1	156	Indicative	45H	No	Hand	0
45H75SbPb	383	Circle_1	156	Indicative	45H	No	Hand	0
45H76Pb	384	Circle_1	158	Environmental	45H	No	Hand	0
45H77SbPb	385	Circle_1	158	Indicative	45H	No	Hand	0
45H78Pb	393	Circle_1	170	Environmental	45H	No	Hand	0
45H79Pb	398	Circle_1	170	Environmental	45H	No	Hand	0
45H79SbPb	394	Circle_1	170	Indicative	45H	No	Hand	0
45H7SbPb	10	Circle_1	11	Indicative	45H	No	Hand	0
45H80SbPb	409	Circle_1	178	Indicative	45H	No	Hand	0
45H81Pb	410	Circle_1	180	Environmental	45H	No	Hand	0

45H81SbPb	411	Circle_1	180	Indicative	45H	No	Hand	0
45H82Pb	427	Circle_1	182	Environmental	45H	No	Hand	0
45H82SbPb	429	Circle_1	182	Indicative	45H	No	Hand	0
45H83Pb	432	Circle_1	183	Environmental	45H	No	Hand	0
45H83SbPb	433	Circle_1	183	Indicative	45H	No	Hand	0
45H84SbBaPb	434	Circle_1	188	Unique	45H	No	Hand	0
45H85SbBaPb	435	Circle_1	192	Unique	45H	No	Hand	0
45H86Pb	438	Circle_1	201	Environmental	45H	No	Hand	0
45H86SbPb	436	Circle_1	201	Indicative	45H	No	Hand	0
45H87Pb	440	Circle_1	204	Environmental	45H	No	Hand	0
45H87SbPb	439	Circle_1	204	Indicative	45H	No	Hand	0
45H88Pb	444	Circle_1	207	Environmental	45H	No	Hand	0
45H88SbPb	441	Circle_1	207	Indicative	45H	No	Hand	0
45H89SbPb	445	Circle_1	208	Indicative	45H	No	Hand	0
45H8Pb	19	Circle_1	12	Environmental	45H	No	Hand	0
45H8SbPb	11	Circle_1	12	Indicative	45H	No	Hand	0
45H90Pb	448	Circle_1	210	Environmental	45H	No	Hand	0
45H90SbPb	449	Circle_1	210	Indicative	45H	No	Hand	0
45H91Pb	451	Circle_1	221	Environmental	45H	No	Hand	0
45H91SbBaPb	452	Circle_1	221	Unique	45H	No	Hand	0
45H91SbPb	450	Circle_1	221	Indicative	45H	No	Hand	0
45H92SbPb	455	Circle_1	221	Indicative	45H	No	Hand	0
45H93SbPb	456	Circle_1	224	Indicative	45H	No	Hand	0
45H94Pb	458	Circle_1	225	Environmental	45H	No	Hand	0
45H94SbBaPb	461	Circle_1	225	Unique	45H	No	Hand	0
45H94SbPb	457	Circle_1	225	Indicative	45H	No	Hand	0
45H95Pb	471	Circle_1	230	Environmental	45H	No	Hand	0
45H95Unclassified	467	Circle_1	230	Unclassified	45H	No	Hand	0
45H96SbBaPb	476	Circle_1	231	Unique	45H	No	Hand	0
45H96SbPb	475	Circle_1	231	Indicative	45H	No	Hand	0

45H97SbPb	478	Circle_1	235	Indicative	45H	No	Hand	0
45H98Pb	481	Circle_1	236	Environmental	45H	No	Hand	0
45H98SbPb	480	Circle_1	236	Indicative	45H	No	Hand	0
45H99SbPb	483	Circle_1	236	Indicative	45H	No	Hand	0
45H9Pb	15	Circle_1	12	Environmental	45H	No	Hand	0
45H9SbPb	18	Circle_1	12	Indicative	45H	No	Hand	0
49H100SbPb	194	Circle_1	692	Indicative	49H	No	Hand	0
49H101SbPb	195	Circle_1	697	Indicative	49H	No	Hand	0
49H102SbBaPb	196	Circle_1	702	Unique	49H	No	Hand	0
49H103SbPb	197	Circle_1	706	Indicative	49H	No	Hand	0
49H104SbPb	198	Circle_1	708	Indicative	49H	No	Hand	0
49H105SbPb	199	Circle_1	723	Indicative	49H	No	Hand	0
49H106SbPb	200	Circle_1	724	Indicative	49H	No	Hand	0
49H107Pb	202	Circle_1	728	Environmental	49H	No	Hand	0
49H107SbPb	203	Circle_1	728	Indicative	49H	No	Hand	0
49H108SbPb	204	Circle_1	749	Indicative	49H	No	Hand	0
49H109SbPb	205	Circle_1	749	Indicative	49H	No	Hand	0
49H10SbPb	26	Circle_1	160	Indicative	49H	No	Hand	0
49H110SbPb	206	Circle_1	763	Indicative	49H	No	Hand	0
49H111SbPb	209	Circle_1	769	Indicative	49H	No	Hand	0
49H112SbBaPb	210	Circle_1	770	Unique	49H	No	Hand	0
49H113SbPb	211	Circle_1	771	Indicative	49H	No	Hand	0
49H114SbPb	212	Circle_1	774	Indicative	49H	No	Hand	0
49H115SbPb	213	Circle_1	775	Indicative	49H	No	Hand	0
49H116SbBaPb	215	Circle_1	781	Unique	49H	No	Hand	0
49H117SbPb	216	Circle_1	786	Indicative	49H	No	Hand	0
49H118SbPb	217	Circle_1	786	Indicative	49H	No	Hand	0
49H119SbPb	218	Circle_1	788	Indicative	49H	No	Hand	0
49H11SbPb	27	Circle_1	166	Indicative	49H	No	Hand	0
49H120SbBaPb	219	Circle_1	794	Unique	49H	No	Hand	0

49H121Pb	221	Circle_1	794	Environmental	49H	No	Hand	0
49H121SbBaPb	220	Circle_1	794	Unique	49H	No	Hand	0
49H122Pb	224	Circle_1	801	Environmental	49H	No	Hand	0
49H122SbPb	223	Circle_1	801	Indicative	49H	No	Hand	0
49H123SbPb	225	Circle_1	801	Indicative	49H	No	Hand	0
49H124SbPb	226	Circle_1	807	Indicative	49H	No	Hand	0
49H125SbPb	227	Circle_1	816	Indicative	49H	No	Hand	0
49H126SbPb	229	Circle_1	833	Indicative	49H	No	Hand	0
49H127Pb	231	Circle_1	837	Environmental	49H	No	Hand	0
49H127SbPb	230	Circle_1	837	Indicative	49H	No	Hand	0
49H128SbBaPb	233	Circle_1	838	Unique	49H	No	Hand	0
49H128SbPb	232	Circle_1	838	Indicative	49H	No	Hand	0
49H129SbPb	234	Circle_1	842	Indicative	49H	No	Hand	0
49H12SbPb	28	Circle_1	183	Indicative	49H	No	Hand	0
49H130SbPb	235	Circle_1	843	Indicative	49H	No	Hand	0
49H131SbPb	236	Circle_1	843	Indicative	49H	No	Hand	0
49H132SbPb	237	Circle_1	843	Indicative	49H	No	Hand	0
49H133SbPb	238	Circle_1	843	Indicative	49H	No	Hand	0
49H134SbPb	239	Circle_1	844	Indicative	49H	No	Hand	0
49H135Pb	240	Circle_1	844	Environmental	49H	No	Hand	0
49H136SbBaPb	241	Circle_1	846	Unique	49H	No	Hand	0
49H137SbPb	242	Circle_1	847	Indicative	49H	No	Hand	0
49H138SbPb	243	Circle_1	850	Indicative	49H	No	Hand	0
49H139SbBaPb	244	Circle_1	853	Unique	49H	No	Hand	0
49H13Pb	37	Circle_1	184	Environmental	49H	No	Hand	0
49H13SbPb	29	Circle_1	184	Indicative	49H	No	Hand	0
49H140SbPb	245	Circle_1	859	Indicative	49H	No	Hand	0
49H141SbPb	246	Circle_1	860	Indicative	49H	No	Hand	0
49H142Pb	247	Circle_1	861	Environmental	49H	No	Hand	0
49H143SbPb	248	Circle_1	865	Indicative	49H	No	Hand	0

49H144SbBaPb	249	Circle_1	865	Unique	49H	No	Hand	0
49H145SbPb	250	Circle_1	866	Indicative	49H	No	Hand	0
49H146SbPb	251	Circle_1	873	Indicative	49H	No	Hand	0
49H147SbPb	252	Circle_1	878	Indicative	49H	No	Hand	0
49H148Pb	256	Circle_1	889	Environmental	49H	No	Hand	0
49H148SbPb	255	Circle_1	889	Indicative	49H	No	Hand	0
49H149SbPb	257	Circle_1	893	Indicative	49H	No	Hand	0
49H14SbPb	43	Circle_1	208	Indicative	49H	No	Hand	0
49H150Pb	260	Circle_1	893	Environmental	49H	No	Hand	0
49H150SbPb	258	Circle_1	893	Indicative	49H	No	Hand	0
49H151SbPb	261	Circle_1	907	Indicative	49H	No	Hand	0
49H152SbPb	262	Circle_1	911	Indicative	49H	No	Hand	0
49H153SbPb	264	Circle_1	912	Indicative	49H	No	Hand	0
49H154SbPb	265	Circle_1	919	Indicative	49H	No	Hand	0
49H155SbPb	266	Circle_1	921	Indicative	49H	No	Hand	0
49H156SbBaPb	270	Circle_1	936	Unique	49H	No	Hand	0
49H157SbBaPb	271	Circle_1	946	Unique	49H	No	Hand	0
49H158SbPb	272	Circle_1	949	Indicative	49H	No	Hand	0
49H159SbPb	274	Circle_1	954	Indicative	49H	No	Hand	0
49H15Pb	44	Circle_1	213	Environmental	49H	No	Hand	0
49H15SbPb	51	Circle_1	214	Indicative	49H	No	Hand	0
49H160Pb	276	Circle_1	955	Environmental	49H	No	Hand	0
49H160SbPb	275	Circle_1	955	Indicative	49H	No	Hand	0
49H161SbPb	279	Circle_1	964	Indicative	49H	No	Hand	0
49H162Pb	280	Circle_1	966	Environmental	49H	No	Hand	0
49H162SbPb	282	Circle_1	967	Indicative	49H	No	Hand	0
49H163SbBaPb	281	Circle_1	966	Unique	49H	No	Hand	0
49H164SbPb	283	Circle_1	969	Indicative	49H	No	Hand	0
49H165SbPb	284	Circle_1	970	Indicative	49H	No	Hand	0
49H166SbBaPb	285	Circle_1	973	Unique	49H	No	Hand	0

49H167SbPb	286	Circle_1	981	Indicative	49H	No	Hand	0
49H168SbBaPb	297	Circle_1	983	Unique	49H	No	Hand	0
49H169Pb	352	Circle_1	984	Environmental	49H	No	Hand	0
49H16SbPb	45	Circle_1	213	Indicative	49H	No	Hand	0
49H170Pb	396	Circle_1	985	Environmental	49H	No	Hand	0
49H171SbPb	397	Circle_1	985	Indicative	49H	No	Hand	0
49H172SbPb	398	Circle_1	985	Indicative	49H	No	Hand	0
49H173SbPb	399	Circle_1	986	Indicative	49H	No	Hand	0
49H174SbPb	400	Circle_1	986	Indicative	49H	No	Hand	0
49H175SbPb	401	Circle_1	987	Indicative	49H	No	Hand	0
49H176Pb	403	Circle_1	987	Environmental	49H	No	Hand	0
49H176SbPb	402	Circle_1	987	Indicative	49H	No	Hand	0
49H177SbPb	404	Circle_1	988	Indicative	49H	No	Hand	0
49H178SbPb	405	Circle_1	988	Indicative	49H	No	Hand	0
49H179SbPb	406	Circle_1	991	Indicative	49H	No	Hand	0
49H17SbPb	54	Circle_1	235	Indicative	49H	No	Hand	0
49H180SbPb	407	Circle_1	991	Indicative	49H	No	Hand	0
49H181SbBaPb	408	Circle_1	993	Unique	49H	No	Hand	0
49H182Pb	409	Circle_1	997	Environmental	49H	No	Hand	0
49H183SbPb	410	Circle_1	1008	Indicative	49H	No	Hand	0
49H184SbPb	411	Circle_1	1009	Indicative	49H	No	Hand	0
49H185SbBaPb	412	Circle_1	1014	Unique	49H	No	Hand	0
49H186SbPb	413	Circle_1	1021	Indicative	49H	No	Hand	0
49H187SbPb	415	Circle_1	1022	Indicative	49H	No	Hand	0
49H188SbPb	416	Circle_1	1025	Indicative	49H	No	Hand	0
49H189SbBaPb	417	Circle_1	1039	Unique	49H	No	Hand	0
49H18SbPb	60	Circle_1	255	Indicative	49H	No	Hand	0
49H190SbPb	418	Circle_1	1043	Indicative	49H	No	Hand	0
49H191SbBaPb	419	Circle_1	1055	Unique	49H	No	Hand	0
49H192SbPb	420	Circle_1	1057	Indicative	49H	No	Hand	0

49H193SbPb	421	Circle_1	1059	Indicative	49H	No	Hand	0
49H194SbPb	422	Circle_1	1062	Indicative	49H	No	Hand	0
49H195SbPb	424	Circle_1	1083	Indicative	49H	No	Hand	0
49H196SbPb	426	Circle_1	1086	Indicative	49H	No	Hand	0
49H197SbPb	427	Circle_1	1088	Indicative	49H	No	Hand	0
49H198SbPb	429	Circle_1	1088	Indicative	49H	No	Hand	0
49H199SbPb	430	Circle_1	1097	Indicative	49H	No	Hand	0
49H19SbBaPb	63	Circle_1	265	Unique	49H	No	Hand	0
49H1SbBaPb	1	Circle_1	33	Unique	49H	No	Hand	0
49H200Pb	431	Circle_1	1110	Environmental	49H	No	Hand	0
49H201Pb	432	Circle_1	1127	Environmental	49H	No	Hand	0
49H201SbPb	433	Circle_1	1127	Indicative	49H	No	Hand	0
49H202SbPb	437	Circle_1	1127	Indicative	49H	No	Hand	0
49H203SbPb	438	Circle_1	1130	Indicative	49H	No	Hand	0
49H204SbPb	441	Circle_1	1130	Indicative	49H	No	Hand	0
49H205Pb	442	Circle_1	1130	Environmental	49H	No	Hand	0
49H206SbPb	443	Circle_1	1133	Indicative	49H	No	Hand	0
49H207SbPb	444	Circle_1	1133	Indicative	49H	No	Hand	0
49H208SbPb	445	Circle_1	1136	Indicative	49H	No	Hand	0
49H209SbPb	446	Circle_1	1143	Indicative	49H	No	Hand	0
49H20Pb	64	Circle_1	269	Environmental	49H	No	Hand	0
49H20SbPb	65	Circle_1	269	Indicative	49H	No	Hand	0
49H210Pb	449	Circle_1	1150	Environmental	49H	No	Hand	0
49H210SbPb	447	Circle_1	1150	Indicative	49H	No	Hand	0
49H211SbPb	456	Circle_1	1156	Indicative	49H	No	Hand	0
49H212Pb	457	Circle_1	1157	Environmental	49H	No	Hand	0
49H212SbPb	458	Circle_1	1157	Indicative	49H	No	Hand	0
49H213SbPb	459	Circle_1	1158	Indicative	49H	No	Hand	0
49H214SbPb	461	Circle_1	1168	Indicative	49H	No	Hand	0
49H215Pb	462	Circle_1	1168	Environmental	49H	No	Hand	0

49H216SbPb	463	Circle_1	1168	Indicative	49H	No	Hand	0
49H217SbPb	467	Circle_1	1172	Indicative	49H	No	Hand	0
49H218SbPb	468	Circle_1	1172	Indicative	49H	No	Hand	0
49H219SbPb	471	Circle_1	1178	Indicative	49H	No	Hand	0
49H21SbPb	66	Circle_1	273	Indicative	49H	No	Hand	0
49H220SbPb	475	Circle_1	1182	Indicative	49H	No	Hand	0
49H221SbPb	476	Circle_1	1182	Indicative	49H	No	Hand	0
49H222Pb	477	Circle_1	1184	Environmental	49H	No	Hand	0
49H223SbBaPb	478	Circle_1	1187	Unique	49H	No	Hand	0
49H224SbPb	479	Circle_1	1195	Indicative	49H	No	Hand	0
49H225SbPb	480	Circle_1	1200	Indicative	49H	No	Hand	0
49H226SbPb	481	Circle_1	1202	Indicative	49H	No	Hand	0
49H227Pb	482	Circle_1	1204	Environmental	49H	No	Hand	0
49H228SbPb	483	Circle_1	1204	Indicative	49H	No	Hand	0
49H229SbPb	490	Circle_1	1206	Indicative	49H	No	Hand	0
49H22SbPb	71	Circle_1	276	Indicative	49H	No	Hand	0
49H230SbBaPb	492	Circle_1	1206	Unique	49H	No	Hand	0
49H231SbPb	498	Circle_1	1226	Indicative	49H	No	Hand	0
49H232SbPb	499	Circle_1	1228	Indicative	49H	No	Hand	0
49H233SbPb	500	Circle_1	1229	Indicative	49H	No	Hand	0
49H234SbPb	501	Circle_1	1230	Indicative	49H	No	Hand	0
49H235SbBaPb	502	Circle_1	1230	Unique	49H	No	Hand	0
49H236SbPb	503	Circle_1	1231	Indicative	49H	No	Hand	0
49H237SbPb	504	Circle_1	1232	Indicative	49H	No	Hand	0
49H238SbBaPb	505	Circle_1	1239	Unique	49H	No	Hand	0
49H239Pb	506	Circle_1	1242	Environmental	49H	No	Hand	0
49H23SbBaPb	74	Circle_1	297	Unique	49H	No	Hand	0
49H240Pb	507	Circle_1	1250	Environmental	49H	No	Hand	0
49H241SbPb	508	Circle_1	1251	Indicative	49H	No	Hand	0
49H242SbBaPb	509	Circle_1	1252	Unique	49H	No	Hand	0

49H243SbPb	510	Circle_1	1254	Indicative	49H	No	Hand	0
49H244SbBaPb	511	Circle_1	1255	Unique	49H	No	Hand	0
49H245SbPb	512	Circle_1	1262	Indicative	49H	No	Hand	0
49H246SbPb	513	Circle_1	1264	Indicative	49H	No	Hand	0
49H247SbBaPb	514	Circle_1	1269	Unique	49H	No	Hand	0
49H248SbPb	515	Circle_1	1275	Indicative	49H	No	Hand	0
49H249SbPb	516	Circle_1	1282	Indicative	49H	No	Hand	0
49H24SbPb	75	Circle_1	301	Indicative	49H	No	Hand	0
49H250Pb	519	Circle_1	1289	Environmental	49H	No	Hand	0
49H250SbPb	517	Circle_1	1289	Indicative	49H	No	Hand	0
49H251SbPb	521	Circle_1	1289	Indicative	49H	No	Hand	0
49H252SbPb	522	Circle_1	1307	Indicative	49H	No	Hand	0
49H253SbPb	523	Circle_1	1330	Indicative	49H	No	Hand	0
49H254SbBaPb	524	Circle_1	1335	Unique	49H	No	Hand	0
49H25SbPb	76	Circle_1	352	Indicative	49H	No	Hand	0
49H26SbPb	77	Circle_1	357	Indicative	49H	No	Hand	0
49H27SbPb	78	Circle_1	367	Indicative	49H	No	Hand	0
49H28Pb	80	Circle_1	373	Environmental	49H	No	Hand	0
49H28SbPb	79	Circle_1	373	Indicative	49H	No	Hand	0
49H29Pb	81	Circle_1	381	Environmental	49H	No	Hand	0
49H2SbPb	2	Circle_1	62	Indicative	49H	No	Hand	0
49H30Pb	83	Circle_1	395	Environmental	49H	No	Hand	0
49H31SbBaPb	84	Circle_1	400	Unique	49H	No	Hand	0
49H32SbPb	85	Circle_1	403	Indicative	49H	No	Hand	0
49H33SbPb	86	Circle_1	406	Indicative	49H	No	Hand	0
49H34SbPb	87	Circle_1	414	Indicative	49H	No	Hand	0
49H35Pb	91	Circle_1	415	Environmental	49H	No	Hand	0
49H35SbBaPb	89	Circle_1	415	Unique	49H	No	Hand	0
49H35SbPb	88	Circle_1	415	Indicative	49H	No	Hand	0
49H36SbPb	94	Circle_1	425	Indicative	49H	No	Hand	0

49H37Pb	96	Circle_1	426	Environmental	49H	No	Hand	0
49H37SbPb	95	Circle_1	426	Indicative	49H	No	Hand	0
49H38Pb	97	Circle_1	437	Environmental	49H	No	Hand	0
49H38SbPb	119	Circle_1	473	Indicative	49H	No	Hand	0
49H39SbPb	98	Circle_1	440	Indicative	49H	No	Hand	0
49H3SbPb	3	Circle_1	81	Indicative	49H	No	Hand	0
49H40SbPb	99	Circle_1	441	Indicative	49H	No	Hand	0
49H41SbPb	100	Circle_1	443	Indicative	49H	No	Hand	0
49H42SbBaPb	101	Circle_1	445	Unique	49H	No	Hand	0
49H43SbPb	102	Circle_1	446	Indicative	49H	No	Hand	0
49H44SbBaPb	105	Circle_1	449	Unique	49H	No	Hand	0
49H45SbPb	106	Circle_1	450	Indicative	49H	No	Hand	0
49H46SbBaPb	107	Circle_1	453	Unique	49H	No	Hand	0
49H47SbPb	108	Circle_1	467	Indicative	49H	No	Hand	0
49H48SbPb	113	Circle_1	469	Indicative	49H	No	Hand	0
49H49SbPb	118	Circle_1	471	Indicative	49H	No	Hand	0
49H4Pb	6	Circle_1	102	Environmental	49H	No	Hand	0
49H4SbPb	4	Circle_1	102	Indicative	49H	No	Hand	0
49H50SbPb	120	Circle_1	479	Indicative	49H	No	Hand	0
49H51SbPb	121	Circle_1	480	Indicative	49H	No	Hand	0
49H52SbBaPb	122	Circle_1	488	Unique	49H	No	Hand	0
49H53SbPb	123	Circle_1	492	Indicative	49H	No	Hand	0
49H54SbBaPb	124	Circle_1	492	Unique	49H	No	Hand	0
49H55SbPb	125	Circle_1	496	Indicative	49H	No	Hand	0
49H56SbPb	126	Circle_1	497	Indicative	49H	No	Hand	0
49H57SbPb	130	Circle_1	502	Indicative	49H	No	Hand	0
49H58SbBaPb	132	Circle_1	514	Unique	49H	No	Hand	0
49H59SbPb	133	Circle_1	528	Indicative	49H	No	Hand	0
49H5SbPb	8	Circle_1	113	Indicative	49H	No	Hand	0
49H60SbPb	134	Circle_1	528	Indicative	49H	No	Hand	0

49H61SbPb	135	Circle_1	532	Indicative	49H	No	Hand	0
49H62SbPb	136	Circle_1	533	Indicative	49H	No	Hand	0
49H63SbPb	137	Circle_1	534	Indicative	49H	No	Hand	0
49H64SbBaPb	138	Circle_1	538	Unique	49H	No	Hand	0
49H65SbBaPb	139	Circle_1	540	Unique	49H	No	Hand	0
49H66Pb	141	Circle_1	544	Environmental	49H	No	Hand	0
49H66SbPb	140	Circle_1	544	Indicative	49H	No	Hand	0
49H67SbPb	142	Circle_1	546	Indicative	49H	No	Hand	0
49H68SbPb	143	Circle_1	547	Indicative	49H	No	Hand	0
49H69SbPb	144	Circle_1	548	Indicative	49H	No	Hand	0
49H6Pb	17	Circle_1	127	Environmental	49H	No	Hand	0
49H6SbPb	16	Circle_1	127	Indicative	49H	No	Hand	0
49H70Pb	145	Circle_1	556	Environmental	49H	No	Hand	0
49H71SbPb	148	Circle_1	564	Indicative	49H	No	Hand	0
49H72SbPb	149	Circle_1	564	Indicative	49H	No	Hand	0
49H73SbPb	150	Circle_1	581	Indicative	49H	No	Hand	0
49H74SbPb	151	Circle_1	581	Indicative	49H	No	Hand	0
49H75SbBaPb	152	Circle_1	585	Unique	49H	No	Hand	0
49H76SbPb	153	Circle_1	587	Indicative	49H	No	Hand	0
49H77Pb	156	Circle_1	591	Environmental	49H	No	Hand	0
49H77SbPb	154	Circle_1	587	Indicative	49H	No	Hand	0
49H78SbBaPb	157	Circle_1	593	Unique	49H	No	Hand	0
49H79Pb	158	Circle_1	598	Environmental	49H	No	Hand	0
49H7Pb	20	Circle_1	132	Environmental	49H	No	Hand	0
49H7SbPb	21	Circle_1	132	Indicative	49H	No	Hand	0
49H80SbBaPb	159	Circle_1	598	Unique	49H	No	Hand	0
49H81SbBaPb	160	Circle_1	604	Unique	49H	No	Hand	0
49H82SbPb	161	Circle_1	604	Indicative	49H	No	Hand	0
49H83SbBaPb	163	Circle_1	615	Unique	49H	No	Hand	0
49H84SbPb	164	Circle_1	617	Indicative	49H	No	Hand	0

49H85SbPb	165	Circle_1	628	Indicative	49H	No	Hand	0
49H86SbBaPb	166	Circle_1	632	Unique	49H	No	Hand	0
49H87SbPb	167	Circle_1	636	Indicative	49H	No	Hand	0
49H88SbPb	168	Circle_1	636	Indicative	49H	No	Hand	0
49H89Pb	169	Circle_1	641	Environmental	49H	No	Hand	0
49H8SbBaPb	24	Circle_1	139	Unique	49H	No	Hand	0
49H90SbPb	170	Circle_1	646	Indicative	49H	No	Hand	0
49H91SbPb	171	Circle_1	653	Indicative	49H	No	Hand	0
49H92SbPb	172	Circle_1	656	Indicative	49H	No	Hand	0
49H93SbBaPb	173	Circle_1	662	Unique	49H	No	Hand	0
49H94SbPb	186	Circle_1	665	Indicative	49H	No	Hand	0
49H95Pb	187	Circle_1	669	Environmental	49H	No	Hand	0
49H96SbPb	188	Circle_1	672	Indicative	49H	No	Hand	0
49H97SbPb	189	Circle_1	674	Indicative	49H	No	Hand	0
49H98SbPb	190	Circle_1	677	Indicative	49H	No	Hand	0
49H99SbPb	193	Circle_1	683	Indicative	49H	No	Hand	0
49H9SbBaPb	25	Circle_1	142	Unique	49H	No	Hand	0
51H10SbBaPb	13	Circle_1	349	Unique	51H	No	Hand	0
51H10SbPb	14	Circle_1	349	Indicative	51H	No	Hand	0
51H11SbPb	16	Circle_1	466	Indicative	51H	No	Hand	0
51H12SbPb	17	Circle_1	493	Indicative	51H	No	Hand	0
51H13SbPb	18	Circle_1	503	Indicative	51H	No	Hand	0
51H14SbPb	19	Circle_1	512	Indicative	51H	No	Hand	0
51H15SbPb	20	Circle_1	538	Indicative	51H	No	Hand	0
51H16SbBaPb	22	Circle_1	542	Unique	51H	No	Hand	0
51H16SbPb	21	Circle_1	542	Indicative	51H	No	Hand	0
51H17SbPb	23	Circle_1	558	Indicative	51H	No	Hand	0
51H18SbBaPb	24	Circle_1	581	Unique	51H	No	Hand	0
51H19SbBaPb	25	Circle_1	623	Unique	51H	No	Hand	0
51H19SbPb	26	Circle_1	623	Indicative	51H	No	Hand	0

51H1SbPb	1	Circle_1	27	Indicative	51H	No	Hand	0
51H20SbBaPb	27	Circle_1	625	Unique	51H	No	Hand	0
51H21SbPb	29	Circle_1	656	Indicative	51H	No	Hand	0
51H22SbPb	30	Circle_1	703	Indicative	51H	No	Hand	0
51H23SbPb	33	Circle_1	741	Indicative	51H	No	Hand	0
51H24SbPb	35	Circle_1	745	Indicative	51H	No	Hand	0
51H25SbBaPb	70	Circle_1	802	Unique	51H	No	Hand	0
51H26SbPb	71	Circle_1	807	Indicative	51H	No	Hand	0
51H27SbBaPb	72	Circle_1	810	Unique	51H	No	Hand	0
51H28SbPb	73	Circle_1	851	Indicative	51H	No	Hand	0
51H29SbPb	74	Circle_1	864	Indicative	51H	No	Hand	0
51H2SbPb	3	Circle_1	78	Indicative	51H	No	Hand	0
51H30SbSnPb	75	Circle_1	870	Unique	51H	No	Hand	0
51H31SbBaPb	77	Circle_1	892	Unique	51H	No	Hand	0
51H31SbPb	76	Circle_1	892	Indicative	51H	No	Hand	0
51H32SbBaPb	78	Circle_1	919	Unique	51H	No	Hand	0
51H33SbPb	79	Circle_1	923	Indicative	51H	No	Hand	0
51H34SbBaPb	80	Circle_1	967	Unique	51H	No	Hand	0
51H34SbPb	81	Circle_1	967	Indicative	51H	No	Hand	0
51H35SbPb	83	Circle_1	972	Indicative	51H	No	Hand	0
51H36SbPb	87	Circle_1	987	Indicative	51H	No	Hand	0
51H37SbPb	88	Circle_1	1003	Indicative	51H	No	Hand	0
51H38SbPb	89	Circle_1	1032	Indicative	51H	No	Hand	0
51H39SbPb	91	Circle_1	1054	Indicative	51H	No	Hand	0
51H3SbPb	4	Circle_1	135	Indicative	51H	No	Hand	0
51H40SbPb	93	Circle_1	1093	Indicative	51H	No	Hand	0
51H41SbPb	94	Circle_1	1133	Indicative	51H	No	Hand	0
51H42SbPb	96	Circle_1	1186	Indicative	51H	No	Hand	0
51H43SbBaPb	98	Circle_1	1252	Unique	51H	No	Hand	0
51H43SbPb	97	Circle_1	1252	Indicative	51H	No	Hand	0

51H44SbBaPb	100	Circle_1	1269	Unique	51H	No	Hand	0
51H45SbPb	103	Circle_1	1306	Indicative	51H	No	Hand	0
51H4SbPb	5	Circle_1	222	Indicative	51H	No	Hand	0
51H5SbPb	6	Circle_1	234	Indicative	51H	No	Hand	0
51H6SbPb	8	Circle_1	234	Indicative	51H	No	Hand	0
51H7SbPb	10	Circle_1	246	Indicative	51H	No	Hand	0
51H8SbPb	11	Circle_1	263	Indicative	51H	No	Hand	0
51H9SbPb	12	Circle_1	308	Indicative	51H	No	Hand	0
10F1SbPb	193	Circle_4	4344	Indicative	10F	No	Face	4
55H10SbPb	15	Circle_1	53	Indicative	55H	No	Hand	0
55H11SbPb	16	Circle_1	61	Indicative	55H	No	Hand	0
55H12SbBaPb	17	Circle_1	61	Unique	55H	No	Hand	0
55H13SbPb	18	Circle_1	62	Indicative	55H	No	Hand	0
55H14SbBaPb	20	Circle_1	67	Unique	55H	No	Hand	0
55H14SbPb	19	Circle_1	67	Indicative	55H	No	Hand	0
55H15SbPb	22	Circle_1	76	Indicative	55H	No	Hand	0
55H16SbPb	24	Circle_1	80	Indicative	55H	No	Hand	0
55H17SbBaPb	27	Circle_1	81	Unique	55H	No	Hand	0
55H17SbPb	26	Circle_1	81	Indicative	55H	No	Hand	0
55H18Cu	31	Circle_1	86	Environmental	55H	No	Hand	0
55H18SbBaPb	30	Circle_1	86	Unique	55H	No	Hand	0
55H19SbBaPb	32	Circle_1	86	Unique	55H	No	Hand	0
55H19SbPb	34	Circle_1	86	Indicative	55H	No	Hand	0
55H1SbPb	1	Circle_1	8	Indicative	55H	No	Hand	0
55H20SbPb	35	Circle_1	88	Indicative	55H	No	Hand	0
55H21SbBaPb	37	Circle_1	89	Unique	55H	No	Hand	0
55H22SbBaPb	38	Circle_1	90	Unique	55H	No	Hand	0
55H22SbPb	39	Circle_1	90	Indicative	55H	No	Hand	0
55H23SbPb	52	Circle_1	90	Indicative	55H	No	Hand	0
55H24SbPb	55	Circle_1	92	Indicative	55H	No	Hand	0

55H25SbBaPb	57	Circle_1	100	Unique	55H	No	Hand	0
55H26Pb	61	Circle_1	100	Environmental	55H	No	Hand	0
55H26SbPb	58	Circle_1	100	Indicative	55H	No	Hand	0
55H27SbPb	62	Circle_1	109	Indicative	55H	No	Hand	0
55H28SbPb	63	Circle_1	121	Indicative	55H	No	Hand	0
55H29SbPb	64	Circle_1	126	Indicative	55H	No	Hand	0
55H2SbBaPb	2	Circle_1	13	Unique	55H	No	Hand	0
55H30SbBaPb	66	Circle_1	133	Unique	55H	No	Hand	0
55H31SbPb	71	Circle_1	135	Indicative	55H	No	Hand	0
55H32SbPb	72	Circle_1	140	Indicative	55H	No	Hand	0
55H33SbPb	73	Circle_1	146	Indicative	55H	No	Hand	0
55H34SbBaPb	74	Circle_1	158	Unique	55H	No	Hand	0
55H34SbPb	75	Circle_1	158	Indicative	55H	No	Hand	0
55H35SbPb	81	Circle_1	162	Indicative	55H	No	Hand	0
55H36SbPb	82	Circle_1	163	Indicative	55H	No	Hand	0
55H37SbBaPb	87	Circle_1	167	Unique	55H	No	Hand	0
55H37SbPb	83	Circle_1	167	Indicative	55H	No	Hand	0
55H38SbBaPb	90	Circle_1	175	Unique	55H	No	Hand	0
55H39SbPb	91	Circle_1	188	Indicative	55H	No	Hand	0
55H3SbBaPb	5	Circle_1	27	Unique	55H	No	Hand	0
55H40SbBaPb	92	Circle_1	188	Unique	55H	No	Hand	0
55H41SbPb	93	Circle_1	188	Indicative	55H	No	Hand	0
55H42SbPb	94	Circle_1	190	Indicative	55H	No	Hand	0
55H43SbBaPb	95	Circle_1	197	Unique	55H	No	Hand	0
55H44SbBaPb	96	Circle_1	204	Unique	55H	No	Hand	0
55H44SbPb	97	Circle_1	204	Indicative	55H	No	Hand	0
55H45SbPb	104	Circle_1	205	Indicative	55H	No	Hand	0
55H46SbBaPb	109	Circle_1	206	Unique	55H	No	Hand	0
55H46SbPb	107	Circle_1	206	Indicative	55H	No	Hand	0
55H47SbPb	110	Circle_1	208	Indicative	55H	No	Hand	0

55H48SbPb	111	Circle_1	215	Indicative	55H	No	Hand	0
55H49SbPb	112	Circle_1	218	Indicative	55H	No	Hand	0
55H4SbPb	6	Circle_1	38	Indicative	55H	No	Hand	0
55H50SbBaPb	113	Circle_1	219	Unique	55H	No	Hand	0
55H51SbBaPb	115	Circle_1	219	Unique	55H	No	Hand	0
55H51SbPb	114	Circle_1	219	Indicative	55H	No	Hand	0
55H52SbPb	117	Circle_1	221	Indicative	55H	No	Hand	0
55H53Pb	119	Circle_1	229	Environmental	55H	No	Hand	0
55H53SbPb	120	Circle_1	229	Indicative	55H	No	Hand	0
55H54SbPb	121	Circle_1	235	Indicative	55H	No	Hand	0
55H55SbPb	123	Circle_1	239	Indicative	55H	No	Hand	0
55H56SbPb	124	Circle_1	242	Indicative	55H	No	Hand	0
55H57SbPb	125	Circle_1	244	Indicative	55H	No	Hand	0
55H58Cu	128	Circle_1	246	Environmental	55H	No	Hand	0
55H58SbPb	126	Circle_1	246	Indicative	55H	No	Hand	0
55H59SbBaPb	132	Circle_1	259	Unique	55H	No	Hand	0
55H5SbPb	7	Circle_1	39	Indicative	55H	No	Hand	0
55H60SbPb	133	Circle_1	262	Indicative	55H	No	Hand	0
55H61SbBaPb	135	Circle_1	262	Unique	55H	No	Hand	0
55H62SbPb	136	Circle_1	271	Indicative	55H	No	Hand	0
55H63Cu	138	Circle_1	291	Environmental	55H	No	Hand	0
55H64SbPb	140	Circle_1	296	Indicative	55H	No	Hand	0
55H65SbPb	141	Circle_1	296	Indicative	55H	No	Hand	0
55H66SbPb	142	Circle_1	297	Indicative	55H	No	Hand	0
55H67SbPb	143	Circle_1	302	Indicative	55H	No	Hand	0
55H68SbBaPb	145	Circle_1	307	Unique	55H	No	Hand	0
55H69SbBaPb	146	Circle_1	308	Unique	55H	No	Hand	0
55H6SbBaPb	10	Circle_1	43	Unique	55H	No	Hand	0
55H6SbPb	11	Circle_1	43	Indicative	55H	No	Hand	0
55H70SbPb	147	Circle_1	309	Indicative	55H	No	Hand	0

55H71SbBaPb	148	Circle_1	314	Unique	55H	No	Hand	0
55H7SbPb	12	Circle_1	44	Indicative	55H	No	Hand	0
55H8SbBaPb	13	Circle_1	48	Unique	55H	No	Hand	0
55H9SbPb	14	Circle_1	49	Indicative	55H	No	Hand	0
57F1SbPb	238	Circle_2	2715	Indicative	57F	No	Face	0
57H100SbPb	203	Circle_1	603	Indicative	57H	No	Hand	0
57H10SbBaPb	12	Circle_1	123	Unique	57H	No	Hand	0
57H11SbPb	13	Circle_1	136	Indicative	57H	No	Hand	0
57H12SbPb	14	Circle_1	140	Indicative	57H	No	Hand	0
57H13SbBaPb	15	Circle_1	141	Unique	57H	No	Hand	0
57H13SbPb	16	Circle_1	141	Indicative	57H	No	Hand	0
57H14SbBaPb	17	Circle_1	143	Unique	57H	No	Hand	0
57H15SbBaPb	18	Circle_1	149	Unique	57H	No	Hand	0
57H16SbBaPb	28	Circle_1	187	Unique	57H	No	Hand	0
57H16SbPb	19	Circle_1	159	Indicative	57H	No	Hand	0
57H16SbSnPb	27	Circle_1	187	Unique	57H	No	Hand	0
57H17SbBaPb	20	Circle_1	167	Unique	57H	No	Hand	0
57H18Cu	21	Circle_1	171	Environmental	57H	No	Hand	0
57H19Cu	23	Circle_1	171	Environmental	57H	No	Hand	0
57H1SbBaPb	1	Circle_1	38	Unique	57H	No	Hand	0
57H20SbPb	25	Circle_1	174	Indicative	57H	No	Hand	0
57H21SbPb	30	Circle_1	194	Indicative	57H	No	Hand	0
57H22SbPb	36	Circle_1	201	Indicative	57H	No	Hand	0
57H23SbBaPb	38	Circle_1	201	Unique	57H	No	Hand	0
57H24SbBaPb	39	Circle_1	209	Unique	57H	No	Hand	0
57H25SbBaPb	40	Circle_1	216	Unique	57H	No	Hand	0
57H26Pb	63	Circle_1	294	Environmental	57H	No	Hand	0
57H26SbPb	41	Circle_1	245	Indicative	57H	No	Hand	0
57H27Cu	48	Circle_1	247	Environmental	57H	No	Hand	0
57H27Pb	46	Circle_1	247	Environmental	57H	No	Hand	0

57H27SbPb	44	Circle_1	247	Indicative	57H	No	Hand	0
57H28SbPb	52	Circle_1	248	Indicative	57H	No	Hand	0
57H29SbBaPb	53	Circle_1	252	Unique	57H	No	Hand	0
57H2SbPb	2	Circle_1	42	Indicative	57H	No	Hand	0
57H30SbBaPb	54	Circle_1	258	Unique	57H	No	Hand	0
57H31SbPb	55	Circle_1	258	Indicative	57H	No	Hand	0
57H32SbPb	56	Circle_1	269	Indicative	57H	No	Hand	0
57H33SbBaPb	64	Circle_1	294	Unique	57H	No	Hand	0
57H33SbPb	57	Circle_1	285	Indicative	57H	No	Hand	0
57H34SbBaPb	65	Circle_1	295	Unique	57H	No	Hand	0
57H35SbPb	66	Circle_1	295	Indicative	57H	No	Hand	0
57H36Pb	76	Circle_1	304	Environmental	57H	No	Hand	0
57H36SbBaPb	77	Circle_1	304	Unique	57H	No	Hand	0
57H36SbPb	68	Circle_1	304	Indicative	57H	No	Hand	0
57H37SbPb	80	Circle_1	316	Indicative	57H	No	Hand	0
57H38SbBaPb	81	Circle_1	317	Unique	57H	No	Hand	0
57H39SbPb	82	Circle_1	328	Indicative	57H	No	Hand	0
57H3SbPb	3	Circle_1	46	Indicative	57H	No	Hand	0
57H40SbPb	84	Circle_1	350	Indicative	57H	No	Hand	0
57H41SbPb	88	Circle_1	366	Indicative	57H	No	Hand	0
57H42SbPb	92	Circle_1	387	Indicative	57H	No	Hand	0
57H43SbPb	93	Circle_1	387	Indicative	57H	No	Hand	0
57H44SbPb	94	Circle_1	399	Indicative	57H	No	Hand	0
57H45SbPb	95	Circle_1	399	Indicative	57H	No	Hand	0
57H46SbPb	96	Circle_1	404	Indicative	57H	No	Hand	0
57H47SbBaPb	97	Circle_1	409	Unique	57H	No	Hand	0
57H48SbBaPb	98	Circle_1	414	Unique	57H	No	Hand	0
57H49SbPb	99	Circle_1	417	Indicative	57H	No	Hand	0
57H4SbBaPb	4	Circle_1	68	Unique	57H	No	Hand	0
57H50SbBaPb	101	Circle_1	418	Unique	57H	No	Hand	0

57H51SbPb	102	Circle_1	434	Indicative	57H	No	Hand	0
57H52SbPb	103	Circle_1	441	Indicative	57H	No	Hand	0
57H53SbPb	104	Circle_1	442	Indicative	57H	No	Hand	0
57H54SbBaPb	105	Circle_1	447	Unique	57H	No	Hand	0
57H55Pb	106	Circle_1	447	Environmental	57H	No	Hand	0
57H56SbBaPb	107	Circle_1	447	Unique	57H	No	Hand	0
57H57SbBaPb	108	Circle_1	447	Unique	57H	No	Hand	0
57H58SbBaPb	109	Circle_1	447	Unique	57H	No	Hand	0
57H59SbBaPb	110	Circle_1	447	Unique	57H	No	Hand	0
57H5SbBaPb	5	Circle_1	69	Unique	57H	No	Hand	0
57H60Pb	111	Circle_1	447	Environmental	57H	No	Hand	0
57H61SbBaPb	112	Circle_1	447	Unique	57H	No	Hand	0
57H61SbPb	113	Circle_1	447	Indicative	57H	No	Hand	0
57H62Pb	114	Circle_1	447	Environmental	57H	No	Hand	0
57H63Pb	116	Circle_1	447	Environmental	57H	No	Hand	0
57H63SbBaPb	117	Circle_1	447	Unique	57H	No	Hand	0
57H64Pb	118	Circle_1	447	Environmental	57H	No	Hand	0
57H65Pb	119	Circle_1	447	Environmental	57H	No	Hand	0
57H66Pb	121	Circle_1	447	Environmental	57H	No	Hand	0
57H67SbBaPb	122	Circle_1	447	Unique	57H	No	Hand	0
57H68SbPb	125	Circle_1	471	Indicative	57H	No	Hand	0
57H69SbPb	126	Circle_1	474	Indicative	57H	No	Hand	0
57H6SbBaPb	8	Circle_1	69	Unique	57H	No	Hand	0
57H70SbPb	127	Circle_1	475	Indicative	57H	No	Hand	0
57H71SbBaPb	128	Circle_1	476	Unique	57H	No	Hand	0
57H71SbPb	129	Circle_1	476	Indicative	57H	No	Hand	0
57H72Pb	135	Circle_1	483	Environmental	57H	No	Hand	0
57H73SbPb	136	Circle_1	483	Indicative	57H	No	Hand	0
57H74Cu	148	Circle_1	490	Environmental	57H	No	Hand	0
57H74Pb	146	Circle_1	490	Environmental	57H	No	Hand	0

57H74SbBaPb	142	Circle_1	490	Unique	57H	No	Hand	0
57H74SbPb	137	Circle_1	490	Indicative	57H	No	Hand	0
57H75SbPb	143	Circle_1	490	Indicative	57H	No	Hand	0
57H76SbPb	144	Circle_1	490	Indicative	57H	No	Hand	0
57H77SbPb	145	Circle_1	490	Indicative	57H	No	Hand	0
57H78SbPb	151	Circle_1	490	Indicative	57H	No	Hand	0
57H79Cu	152	Circle_1	490	Environmental	57H	No	Hand	0
57H7SbBaPb	9	Circle_1	70	Unique	57H	No	Hand	0
57H80SbBaPb	153	Circle_1	500	Unique	57H	No	Hand	0
57H81SbBaPb	154	Circle_1	510	Unique	57H	No	Hand	0
57H82SbPb	155	Circle_1	514	Indicative	57H	No	Hand	0
57H83SbPb	156	Circle_1	527	Indicative	57H	No	Hand	0
57H84SbBaPb	157	Circle_1	527	Unique	57H	No	Hand	0
57H84SbPb	158	Circle_1	527	Indicative	57H	No	Hand	0
57H85Pb	180	Circle_1	527	Environmental	57H	No	Hand	0
57H85SbBaPb	184	Circle_1	527	Unique	57H	No	Hand	0
57H85SbPb	159	Circle_1	527	Indicative	57H	No	Hand	0
57H86SbPb	160	Circle_1	527	Indicative	57H	No	Hand	0
57H87SbPb	164	Circle_1	527	Indicative	57H	No	Hand	0
57H88SbPb	165	Circle_1	527	Indicative	57H	No	Hand	0
57H89SbPb	189	Circle_1	552	Indicative	57H	No	Hand	0
57H8SbBaPb	10	Circle_1	99	Unique	57H	No	Hand	0
57H90SbBaPb	192	Circle_1	557	Unique	57H	No	Hand	0
57H91SbPb	193	Circle_1	565	Indicative	57H	No	Hand	0
57H92SbPb	194	Circle_1	567	Indicative	57H	No	Hand	0
57H93SbBaPb	195	Circle_1	571	Unique	57H	No	Hand	0
57H94SbBaPb	196	Circle_1	572	Unique	57H	No	Hand	0
57H95SbPb	197	Circle_1	590	Indicative	57H	No	Hand	0
57H96SbBaPb	198	Circle_1	596	Unique	57H	No	Hand	0
57H97SbPb	199	Circle_1	597	Indicative	57H	No	Hand	0

57H98SbPb	200	Circle_1	601	Indicative	57H	No	Hand	0
57H99SbBaPb	202	Circle_1	603	Unique	57H	No	Hand	0
57H9SbPb	11	Circle_1	112	Indicative	57H	No	Hand	0
28F1SbPb	191	Circle_6	8352	Indicative	28F	No	Face	6
30F1SbPb	128	Circle_6	8575	Indicative	30F	No	Face	8
19H1SbPb	16	Circle_1	1188	Indicative	19H	Yes	Hand	0
33F1SbPb	140	Circle_6	8621	Indicative	33F	Yes	Face	0
35H1SbPb	9	Circle_1	660	Indicative	35H	Yes	Hand	0
44H1SbPb	320	Circle_5	6238	Indicative	44H	Yes	Hand	0
46H1Pb	8	Circle_1	795	Environmental	46H	Yes	Hand	0
54H1SbPb	20	Circle_1	580	Indicative	54H	Yes	Hand	0

Appendix B

Unique	Particle Count	Morphology	Type	Area (sq. μm)	Aspect Ratio	Beam X (pixels)	Beam Y (pixels)
2F1SbPb	1	Cluster	SbPb	2.253957272	1.254847765	204	29.5
2F2Pb	2	Cluster	Pb	1.898069263	1.375989318	74	141.5
2F2SbBaPb	2	Cluster	SbBaPb	3.558879852	1.757312417	150.5	231.5
2F2SbPb	2	Cluster	SbPb	1.423552036	3.065814257	196	204.5
2F2Ti Zn Cu	2	Cluster	Ti Zn Cu	9.19377327	2.682811022	91.5	140.5
36H100SbPb	100	Irregular	SbPb	0.830405295	2.511062145	691	256.5
36H101SbPb	101	Irregular	SbPb	6.168725014	2.55997014	985	25.5
36H102Pb	102	Cluster	Pb	0.889719963	1.537012219	205	315.5
36H102SbBaPb	102	Cluster	SbBaPb	0.830405295	1.724699736	289	312.5
36H102SbPb	102	Cluster	SbPb	2.431901217	2.423471212	243	343.5
36H103Pb	103	Cluster	Pb	40.15602875	1.723781586	942.5	417.5
36H103SbPb	103	Cluster	SbPb	2.669159889	1.389899611	991	401.5
36H104Pb	104	Cluster	Pb	13.76100254	2.38207674	138.5	696.5
36H104SbPb	104	Cluster	SbPb	1.186293364	1.690481544	181.5	652.5
36H105Pb	105	Cluster	Pb	10.14280796	1.868088841	873.5	380.5
36H105SbPb	105	Cluster	SbPb	15.59975719	1.995494962	857.5	384.5
36H106Pb	106	Cluster	Pb	3.202991962	1.227225423	803.5	195.5
36H106SbPb	106	Cluster	SbPb	0.949034631	1.927709103	776	214.5
36H107Pb	107	Cluster	Pb	1.067664027	2.00092721	836.5	417.5
36H108Pb	108	Irregular	Pb	1.364237309	3.016039133	777	761.5
36H108SbPb	108	Irregular	SbPb	1.779439926	2.335359812	769.5	754.5
36H109SbPb	109	Irregular	SbPb	1.008349299	2.343939066	1022	84.5
36H10Pb	10	Cluster	Pb	1.66081059	1.442175269	311.5	451.5
36H10SbPb	10	Cluster	SbPb	3.914767981	2.503170967	259	462.5
36H110BaPb	110	Cluster	BaPb	4.804487705	1.337624073	992	600.5
36H110Pb	110	Cluster	Pb	2.076013327	1.479793191	989.5	620.5
36H110SbPb	110	Cluster	SbPb	2.787789345	2.0683074	1001.5	607.5

36H111Pb	111	Irregular	Pb	13.70168781	1.2821033	911	638.5
36H112SbPb	112	Irregular	SbPb	1.126978636	1.789464116	784.5	764.5
36H113SbPb	113	Cluster	SbPb	3.025048018	1.198797703	584.5	151.5
36H114SbPb	114	Irregular	SbPb	19.8110981	1.549900055	1014	227.5
36H115Pb	115	Cluster	Pb	4.270656109	2.634150982	329	541.5
36H115SbPb	115	Cluster	SbPb	1.838754654	1.509395361	316.5	523.5
36H116Pb	116	Cluster	Pb	0.830405295	1.783306837	563	338.5
36H116SbPb	116	Cluster	SbPb	1.186293364	1.6090734	516	341.5
36H116Unclassified	116	Cluster	Unclassified	2.313271999	1.509526372	590.5	469.5
36H117SbPb	117	Cluster	SbPb	2.847104073	1.249363303	445	86.5
36H118Pb	118	Irregular	Pb	3.380935907	2.307626486	515	113.5
36H119SbPb	119	Cluster	SbPb	11.21047211	2.137205839	472.5	143.5
36H11SbPb	11	Cluster	SbPb	40.03739929	1.483506203	510.5	720.5
36H120SbPb	120	Cluster	SbPb	26.15776825	1.584203839	455.5	181.5
36H121SbBaPb	121	Irregular	SbBaPb	22.89546013	1.702545762	50	175.5
36H122Pb	122	Cluster	Pb	18.74343491	1.865786552	764	734.5
36H122SbPb	122	Cluster	SbPb	1.66081059	2.225074053	749.5	753.5
36H123Pb	123	Cluster	Pb	3.440250635	1.93302083	824.5	309.5
36H123SbPb	123	Cluster	SbPb	9.134458542	2.055565357	810	326.5
36H124SbPb	124	Cluster	SbPb	3.440250635	1.767253876	960.5	420.5
36H125SbPb	125	Irregular	SbPb	3.736824036	2.986151457	947.5	5.5
36H126SbPb	126	Irregular	SbPb	49.82431793	1.39800787	384.5	702.5
36H127Pb	127	Cluster	Pb	10.79526901	2.002409697	809	349.5
36H127SbPb	127	Cluster	SbPb	31.91129112	2.94288516	850	343.5
36H128Pb	128	Irregular	Pb	5.160376072	2.455810547	343.5	556.5
36H128SbPb	128	Irregular	SbPb	14.6507225	1.54632473	315	578.5
36H129SbPb	129	Irregular	SbPb	3.380935907	1.54333961	660.5	375.5
36H12SbPb	12	Cluster	SbPb	13.70168781	2.257477999	1011	374.5
36H130Pb	130	Irregular	Pb	3.084362507	1.735209823	464.5	591.5
36H131BaPb	131	Cluster	BaPb	1.542181253	1.37026155	37	316.5

36H131SbBaPb	131	Cluster	SbBaPb	1.126978636	4.938333511	38.5	307.5
36H131SbPb	131	Cluster	SbPb	8.600626945	2.600618601	61	317.5
36H132Pb	132	Cluster	Pb	6.109410763	2.410762072	469.5	71.5
36H133SbPb	133	Cluster	SbPb	79.36302185	1.420143008	793	748.5
36H134Pb	134	Cluster	Pb	0.889719963	2.420790672	864	84.5
36H134SbPb	134	Cluster	SbPb	14.05757618	2.955539465	864.5	95.5
36H135Pb	135	Cluster	Pb	5.041746616	1.431735039	800	90.5
36H135SbBaPb	135	Cluster	SbBaPb	3.796138525	1.586244941	792	80.5
36H135SbPb	135	Cluster	SbPb	1.364237309	1.745042562	829	82.5
36H136SbPb	136	Cluster	SbPb	42.11341095	1.304232597	946.5	351.5
36H137SbPb	137	Irregular	SbPb	4.448599815	4.384028435	902.5	450.5
36H138SbPb	138	Cluster	SbPb	8.956514359	1.284693122	474	403.5
36H139Pb	139	Cluster	Pb	7.948165417	3.737299204	613.5	588.5
36H139SbPb	139	Cluster	SbPb	1.95738399	1.359840274	608	567.5
36H13SbPb	13	Irregular	SbPb	24.43764305	1.415546894	759.5	358.5
36H140SbPb	140	Cluster	SbPb	1.66081059	1.857994676	957.5	493.5
36H141Pb	141	Cluster	Pb	45.79092026	1.442434311	957.5	38.5
36H142SbPb	142	Irregular	SbPb	4.804487705	1.511924505	405	422.5
36H143Pb	143	Cluster	Pb	1.186293364	1.280615211	443	617.5
36H143SbPb	143	Cluster	SbPb	1.601495981	1.818911195	424.5	599.5
36H144SbPb	144	Irregular	SbPb	10.08349323	2.707947969	926.5	518.5
36H145BaPb	145	Cluster	BaPb	2.076013327	1.957934141	499	104.5
36H145Pb	145	Cluster	Pb	92.94608307	1.657712817	508.5	111.5
36H145SbPb	145	Cluster	SbPb	4.211341381	3.433450699	476.5	80.5
36H146Pb	146	Cluster	Pb	9.490346909	1.512952447	442.5	735.5
36H147Pb	147	Cluster	Pb	9.075143814	1.400096536	324	201.5
36H147SbBaPb	147	Cluster	SbBaPb	4.033397198	1.911513686	348	152.5
36H147SbPb	147	Cluster	SbPb	1.542181253	1.778285384	354.5	169.5
36H148Pb	148	Cluster	Pb	1.067664027	2.712846756	273.5	412.5
36H148SbPb	148	Cluster	SbPb	2.253957272	1.393223882	236.5	357.5

36H149SbPb	149	Cluster	SbPb	2.847104073	2.055608749	134	450.5
36H14Pb	14	Cluster	Pb	1.067664027	1.66673243	982	644.5
36H14SbPb	14	Cluster	SbPb	1.186293364	2.248030186	968.5	643.5
36H150Pb	150	Cluster	Pb	1.95738399	2.827886105	257	505.5
36H150SbPb	150	Cluster	SbPb	1.3049227	1.860317469	279	508.5
36H151Pb	151	Irregular	Pb	1.542181253	2.084211588	496	385.5
36H152Pb	152	Cluster	Pb	4.448599815	2.609094143	723.5	295.5
36H152SbPb	152	Cluster	SbPb	8.600626945	2.125373363	686.5	279.5
36H153SbBaPb	153	Cluster	SbBaPb	2.313271999	1.994713783	213	755.5
36H153SbPb	153	Cluster	SbPb	11.86293316	1.984043717	182.5	754.5
36H154SbPb	154	Irregular	SbPb	3.202991962	2.004009247	845.5	612.5
36H155SbBaPb	155	Sphere	SbBaPb	1.601495981	1.927713871	100.5	600.5
36H156SbPb	156	Cluster	SbPb	8.244738579	3.415841818	226	699.5
36H157Pb	157	Irregular	Pb	0.949034631	1.518574476	378.5	44.5
36H157SbPb	157	Irregular	SbPb	4.507914543	3.185575724	397	45.5
36H158Pb	158	Irregular	Pb	1.008349299	1.470792174	327	548.5
36H159Pb	159	Cluster	Pb	2.135328054	1.403664112	16.5	38.5
36H159SbPb	159	Cluster	SbPb	5.57557869	1.69801724	31	40.5
36H15Pb	15	Cluster	Pb	15.42181301	2.213629007	259.5	92.5
36H160SbPb	160	Cluster	SbPb	15.36249828	3.836433649	767.5	538.5
36H161SbPb	161	Irregular	SbPb	10.26143742	1.89145112	387.5	757.5
36H162Pb	162	Cluster	Pb	1.245607972	2.423886061	942.5	728.5
36H162SbPb	162	Cluster	SbPb	1.66081059	2.708534002	914.5	729.5
36H163Pb	163	Cluster	Pb	1.186293364	1.499376655	254	26.5
36H163SbBaPb	163	Cluster	SbBaPb	13.99826145	2.266605854	280.5	7.5
36H163SbPb	163	Cluster	SbPb	2.6098454	3.578028917	204	14.5
36H163Unclassified	163	Cluster	Unclassified	2.906418562	1.347706437	378.5	33.5
36H164SbPb	164	Irregular	SbPb	5.101061344	1.408166528	656.5	154.5
36H165Pb	165	Cluster	Pb	14.53209305	1.703935146	177	335.5
36H165SbPb	165	Cluster	SbPb	2.372586727	1.430129051	174.5	324.5

36H166SbPb	166	Cluster	SbPb	20.58218956	1.854879498	803.5	343.5
36H167SbPb	167	Irregular	SbPb	11.62567425	4.222518921	770	310.5
36H168Pb	168	Cluster	Pb	2.847104073	2.007181168	87	691.5
36H168SbPb	168	Cluster	SbPb	8.659941673	1.320017457	47.5	739.5
36H168Unclassified	168	Cluster	Unclassified	1.3049227	1.341577172	163	754.5
36H169Pb	169	Cluster	Pb	28.23378181	2.415830135	568.5	334.5
36H169SbPb	169	Cluster	SbPb	8.304053307	1.623176932	499	325.5
36H16Pb	16	Cluster	Pb	1.423552036	1.641459107	556	178.5
36H16SbPb	16	Cluster	SbPb	27.75926399	2.26132679	523	206.5
36H170SbPb	170	Irregular	SbPb	5.041746616	1.915896058	780.5	309.5
36H171SbPb	171	Cluster	SbPb	28.47103882	1.800350189	26	87.5
36H172Pb	172	Cluster	Pb	1.601495981	1.938012242	322.5	742.5
36H173Pb	173	Cluster	Pb	0.830405295	3.694760561	499	525.5
36H173SbPb	173	Cluster	SbPb	18.98069382	1.590937257	463.5	571.5
36H174Pb	174	Cluster	Pb	12.57470894	1.407920599	152	220.5
36H174SbPb	174	Cluster	SbPb	1.542181253	2.086007357	102	210.5
36H175Pb	175	Irregular	Pb	1.067664027	2.76591444	744.5	408.5
36H176Pb	176	Irregular	Pb	2.6098454	2.674556971	95.5	573.5
36H176SbPb	176	Irregular	SbPb	2.906418562	1.84235096	114.5	586.5
36H177Pb	177	Cluster	Pb	2.6098454	1.717450023	570.5	549.5
36H177SbPb	177	Cluster	SbPb	18.68412018	1.808707356	573.5	517.5
36H177Unclassified	177	Cluster	Unclassified	4.745173454	2.009812355	592.5	537.5
36H178Pb	178	Cluster	Pb	1.838754654	1.642702103	10	387.5
36H178SbPb	178	Cluster	SbPb	11.03252792	2.40048933	21	379.5
36H179Pb	179	Cluster	Pb	7.770221233	2.19035387	894.5	222.5
36H179SbPb	179	Cluster	SbPb	7.888850689	1.510307908	889.5	193.5
36H17SbPb	17	Cluster	SbPb	18.68412018	1.7463094	142.5	90.5
36H180Pb	180	Irregular	Pb	4.685858727	3.075816631	946	638.5
36H180SbPb	180	Irregular	SbPb	10.9732132	2.898646116	932.5	651.5
36H181Pb	181	Cluster	Pb	4.211341381	1.715358257	384.5	759.5

36H181SbPb	181	Cluster	SbPb	95.43729401	2.613790274	352.5	745.5
36H182SbPb	182	Cluster	SbPb	13.93894672	1.513190389	363	740.5
36H183SbBaPb	183	Sphere	SbBaPb	6.346669197	1.555602193	961	19.5
36H184SbPb	184	Irregular	SbPb	1.008349299	1.817756653	219	214.5
36H185Pb	185	Cluster	Pb	3.499565363	5.402283192	246.5	305.5
36H185SbPb	185	Cluster	SbPb	12.69333839	1.775419235	252.5	320.5
36H186SbBaPb	186	Sphere	SbBaPb	4.152026653	1.927964568	61.5	488.5
36H187Pb	187	Cluster	Pb	3.736824036	1.17061305	504.5	28.5
36H187SbPb	187	Cluster	SbPb	0.889719963	1.336357951	495	27.5
36H188Pb	188	Cluster	Pb	1.067664027	1.534072995	514.5	412.5
36H188SbPb	188	Cluster	SbPb	1.601495981	2.229128361	527.5	413.5
36H189Pb	189	Irregular	Pb	2.372586727	1.665849328	128	546.5
36H189SbPb	189	Irregular	SbPb	2.194642544	1.725298762	139	536.5
36H18SbPb	18	Cluster	SbPb	17.55714035	1.77472198	457	428.5
36H190Pb	190	Cluster	Pb	6.52461338	2.328462601	354.5	29.5
36H190SbPb	190	Cluster	SbPb	1.008349299	1.219655156	346	39.5
36H191Pb	191	Irregular	Pb	1.008349299	2.164504528	209	106.5
36H192SbBaPb	192	Cluster	SbBaPb	0.889719963	1.450553417	1008.5	756.5
36H192SbPb	192	Cluster	SbPb	29.0641861	1.314424634	964.5	764.5
36H193Pb	193	Irregular	Pb	19.33658028	1.160798192	218	277.5
36H194SbPb	194	Cluster	SbPb	9.668290138	1.320002437	942	38.5
36H195Pb	195	Cluster	Pb	3.677509308	1.241977453	631.5	391.5
36H195SbPb	195	Cluster	SbPb	1.601495981	3.410547495	544	403.5
36H196SbBaPb	196	Sphere	SbBaPb	1.542181253	4.756671429	559	553.5
36H197SbBaPb	197	Irregular	SbBaPb	2.787789345	2.990924835	173.5	180.5
36H198Pb	198	Irregular	Pb	4.270656109	2.879730225	557.5	88.5
36H199Pb	199	Cluster	Pb	8.244738579	1.455442429	269.5	415.5
36H199SbPb	199	Cluster	SbPb	16.84536552	1.436226368	265.5	380.5
36H19BaPb	19	Cluster	BaPb	1.838754654	2.373781919	828	357.5
36H19Pb	19	Cluster	Pb	0.949034631	2.235977173	883	392.5

36H19SbPb	19	Cluster	SbPb	7.117759705	3.239046574	829	316.5
36H1SbBaPb	1	Sphere	SbBaPb	3.143677235	2.036684036	908	309.5
36H200Pb	200	Cluster	Pb	5.160376072	3.398247242	556	529.5
36H200SbPb	200	Cluster	SbPb	6.761871815	1.367240191	577.5	599.5
36H200Unclassified	200	Cluster	Unclassified	1.186293364	2.432922363	588	567.5
36H201SbBaPb	201	Irregular	SbBaPb	1.482866645	3.035199642	927	484.5
36H202SbPb	202	Cluster	SbPb	7.948165417	2.185710192	446.5	481.5
36H203Pb	203	Irregular	Pb	10.5580101	1.204350471	349	573.5
36H204Pb	204	Cluster	Pb	1.3049227	1.585597515	413.5	76.5
36H204SbPb	204	Cluster	SbPb	2.96573329	2.25242734	439.5	183.5
36H204Unclassified	204	Cluster	Unclassified	1.720125318	1.484583974	475.5	128.5
36H205Pb	205	Cluster	Pb	1.898069263	1.301686645	971	298.5
36H205SbPb	205	Cluster	SbPb	5.160376072	2.595374346	929	337.5
36H206Pb	206	Cluster	Pb	3.736824036	2.85043478	246	164.5
36H206SbPb	206	Cluster	SbPb	0.889719963	1.57520318	235	85.5
36H207SbPb	207	Cluster	SbPb	8.48199749	2.193092585	864	87.5
36H208SbPb	208	Cluster	SbPb	1.779439926	2.169892311	569	336.5
36H209BaPb	209	Cluster	BaPb	2.787789345	1.896092892	434.5	342.5
36H209Cu	209	Cluster	Cu	9.60897541	1.412707806	320	218.5
36H209Pb	209	Cluster	Pb	1.66081059	3.266764879	420	125.5
36H209SbBaPb	209	Cluster	SbBaPb	4.033397198	2.684163809	276	180.5
36H209SbPb	209	Cluster	SbPb	10.49869537	2.730288029	236	142.5
36H20Pb	20	Cluster	Pb	4.092711926	2.280589342	699.5	381.5
36H20SbPb	20	Cluster	SbPb	3.380935907	3.074434996	704.5	366.5
36H210SbBaPb	210	Cluster	SbBaPb	4.863802433	1.851340055	916.5	20.5
36H210SbPb	210	Cluster	SbPb	8.600626945	2.541473866	1000.5	0.5
36H211SbPb	211	Cluster	SbPb	1.126978636	2.015556335	269	235.5
36H212SbPb	212	Cluster	SbPb	1.126978636	1.676979065	210.5	332.5
36H213Pb	213	Cluster	Pb	3.440250635	1.427829027	364.5	756.5
36H213SbPb	213	Cluster	SbPb	24.97147369	1.889598012	327	748.5

36H213Unclassified	213	Cluster	Unclassified	1.779439926	2.374113083	374.5	755.5
36H214Pb	214	Cluster	Pb	5.279005051	1.77897346	638.5	104.5
36H214SbPb	214	Cluster	SbPb	2.96573329	1.362615585	679.5	145.5
36H215SbPb	215	Cluster	SbPb	1.3049227	1.80881393	457.5	726.5
36H216SbPb	216	Cluster	SbPb	1.601495981	3.103833199	550.5	661.5
36H217SbPb	217	Cluster	SbPb	10.49869537	2.023313046	465.5	504.5
36H218Pb	218	Irregular	Pb	3.025048018	2.108914614	124	643.5
36H218SbPb	218	Irregular	SbPb	3.558879852	1.609727025	114.5	643.5
36H219SbPb	219	Cluster	SbPb	4.033397198	3.545224905	63	67.5
36H21Pb	21	Cluster	Pb	3.26230669	5.608305454	638	446.5
36H21SbPb	21	Cluster	SbPb	7.651591778	1.261559129	631	389.5
36H220Pb	220	Cluster	Pb	6.583928108	1.428468704	718	690.5
36H220SbPb	220	Cluster	SbPb	28.41172409	2.130819798	704.5	659.5
36H221SbBaPb	221	Irregular	SbBaPb	12.04087734	2.161052704	774	739.5
36H222BaPb	222	Cluster	BaPb	2.076013327	1.879619122	544	45.5
36H222Pb	222	Cluster	Pb	80.96451569	1.209643245	505	54.5
36H222SbPb	222	Cluster	SbPb	1.3049227	2.023607969	512	3.5
36H222Unclassified	222	Cluster	Unclassified	1.3049227	1.820022583	534	12.5
36H223Pb	223	Cluster	Pb	1.245607972	2.462181091	1022	84.5
36H223SbPb	223	Cluster	SbPb	0.889719963	2.337764263	1018.5	51.5
36H224SbPb	224	Cluster	SbPb	12.69333839	1.579954028	99.5	226.5
36H225Pb	225	Cluster	Pb	5.101061344	1.591868162	75.5	324.5
36H225SbBaPb	225	Cluster	SbBaPb	1.126978636	1.668798685	61.5	302.5
36H225SbPb	225	Cluster	SbPb	3.084362507	1.611557722	17	333.5
36H226Pb	226	Cluster	Pb	5.694208145	2.06821537	83	110.5
36H226SbBaPb	226	Cluster	SbBaPb	3.202991962	1.543434739	86	50.5
36H226SbPb	226	Cluster	SbPb	2.135328054	1.60405004	71.5	34.5
36H227Pb	227	Cluster	Pb	1.067664027	1.897320509	720.5	570.5
36H227SbBaPb	227	Cluster	SbBaPb	3.084362507	1.365553856	661.5	627.5
36H227SbPb	227	Cluster	SbPb	1.186293364	4.758902073	726	651.5

36H228Pb	228	Cluster	Pb	1.186293364	2.100613594	184	670.5
36H228SbPb	228	Cluster	SbPb	1.542181253	3.084451199	161.5	673.5
36H229SbPb	229	Cluster	SbPb	0.949034631	3.256343126	10.5	766.5
36H22Pb	22	Cluster	Pb	2.96573329	2.196372271	714.5	481.5
36H22SbPb	22	Cluster	SbPb	15.12523937	2.760954857	713	489.5
36H230Pb	230	Cluster	Pb	2.847104073	1.771020412	582	654.5
36H230SbPb	230	Cluster	SbPb	37.30892563	1.239987731	583	684.5
36H231Pb	231	Irregular	Pb	1.186293364	4.013475418	746.5	666.5
36H231SbPb	231	Irregular	SbPb	1.186293364	4.173858166	738	663.5
36H232Pb	232	Cluster	Pb	1.423552036	1.703677773	767.5	104.5
36H233SbPb	233	Cluster	SbPb	10.32075214	2.119494915	968	528.5
36H234Pb	234	Irregular	Pb	3.380935907	2.967759371	513	173.5
36H235Pb	235	Cluster	Pb	3.440250635	2.080529451	51	205.5
36H235SbPb	235	Cluster	SbPb	1.008349299	1.997108459	67	202.5
36H236SbBaPb	236	Cluster	SbBaPb	61.09410477	1.339295506	862.5	579.5
36H236SbPb	236	Cluster	SbPb	2.016698599	3.861810923	867	592.5
36H237Pb	237	Cluster	Pb	1.126978636	1.577239752	35	620.5
36H237SbPb	237	Cluster	SbPb	0.889719963	1.663887501	88	623.5
36H238Pb	238	Cluster	Pb	3.499565363	1.67886138	492.5	710.5
36H238SbPb	238	Cluster	SbPb	0.889719963	2.002169132	463	708.5
36H239Pb	239	Cluster	Pb	4.211341381	1.297068834	216.5	39.5
36H239SbPb	239	Cluster	SbPb	3.32162118	2.312989235	217	24.5
36H23SbPb	23	Cluster	SbPb	2.728474617	4.424135685	644	331.5
36H240SbPb	240	Cluster	SbPb	18.0909729	2.049047232	584	372.5
36H241Pb	241	Cluster	Pb	1.245607972	2.525903225	141	578.5
36H241SbPb	241	Cluster	SbPb	30.60636711	1.41542995	132	605.5
36H242SbBaPb	242	Irregular	SbBaPb	6.109410763	3.416436672	753	367.5
36H243Cu	243	Cluster	Cu	18.92137909	3.006275177	250	57.5
36H243Pb	243	Cluster	Pb	8.066794395	3.531698704	274.5	68.5
36H244SbPb	244	Irregular	SbPb	67.50009155	1.641146898	363	96.5

36H245SbPb	245	Cluster	SbPb	5.2196908	2.357403517	529	273.5
36H246Pb	246	Cluster	Pb	48.93460083	2.274201393	526.5	346.5
36H246SbPb	246	Cluster	SbPb	2.96573329	3.484170437	514.5	292.5
36H247Pb	247	Cluster	Pb	4.567229271	1.466709971	277	668.5
36H247SbBaPb	247	Cluster	SbBaPb	4.033397198	1.363065243	295.5	665.5
36H247SbPb	247	Cluster	SbPb	4.329970837	1.848798633	303.5	637.5
36H248Pb	248	Cluster	Pb	77.88015747	1.8523525	151	495.5
36H248SbBaPb	248	Cluster	SbBaPb	1.008349299	1.292242765	128	535.5
36H248SbPb	248	Cluster	SbPb	4.626543999	2.631557465	140.5	540.5
36H249SbBaPb	249	Irregular	SbBaPb	29.47938919	1.4243536	479.5	186.5
36H24Pb	24	Irregular	Pb	2.6098454	1.94122529	544	94.5
36H24SbPb	24	Irregular	SbPb	2.728474617	1.49044013	536	94.5
36H250Pb	250	Cluster	Pb	2.669159889	4.214951992	805	183.5
36H250SbPb	250	Cluster	SbPb	5.279005051	2.751062393	798.5	178.5
36H251Pb	251	Cluster	Pb	6.168725014	2.038267374	121	107.5
36H251SbPb	251	Cluster	SbPb	15.59975719	1.981722116	150.5	123.5
36H252SbPb	252	Cluster	SbPb	23.42929268	1.584960461	36	186.5
36H253Pb	253	Cluster	Pb	1.364237309	1.904013634	432	304.5
36H253SbBaPb	253	Cluster	SbBaPb	18.20960236	1.724352717	516.5	209.5
36H253SbPb	253	Cluster	SbPb	1.008349299	1.354113817	396.5	239.5
36H25SbPb	25	Cluster	SbPb	2.372586727	1.294769883	66	172.5
36H26SbPb	26	Cluster	SbPb	11.50704479	2.015416622	945.5	537.5
36H27Pb	27	Cluster	Pb	1.482866645	2.119233847	712.5	662.5
36H27SbPb	27	Cluster	SbPb	28.05583763	3.299463034	717	623.5
36H28SbPb	28	Cluster	SbPb	3.558879852	1.796962619	911.5	26.5
36H29Pb	29	Cluster	Pb	28.17446709	1.797572017	860.5	617.5
36H29SbPb	29	Cluster	SbPb	21.94642639	2.241847515	832.5	600.5
36H2SbPb	2	Cluster	SbPb	3.558879852	4.06680584	498.5	439.5
36H30Pb	30	Cluster	Pb	4.567229271	1.597668886	355.5	510.5
36H30SbPb	30	Cluster	SbPb	8.719255447	1.166660905	301.5	471.5

36H31SbPb	31	Cluster	SbPb	15.1845541	1.80715692	821	37.5
36H32SbPb	32	Cluster	SbPb	9.19377327	3.044383764	768	149.5
36H33Pb	33	Cluster	Pb	2.847104073	2.089117289	918.5	754.5
36H33SbPb	33	Cluster	SbPb	3.440250635	1.889257193	884.5	729.5
36H34SbPb	34	Cluster	SbPb	40.33397293	2.272787094	909.5	509.5
36H35SbPb	35	Cluster	SbPb	0.949034631	2.013087511	309	416.5
36H36SbPb	36	Irregular	SbPb	13.93894672	1.520929217	879	515.5
36H37SbPb	37	Irregular	SbPb	26.69159889	2.255605459	622.5	717.5
36H38Pb	38	Cluster	Pb	2.016698599	1.716982841	654	60.5
36H38SbPb	38	Cluster	SbPb	1.542181253	1.436820507	415	716.5
36H39SbPb	39	Cluster	SbPb	0.830405295	1.450829148	149.5	95.5
36H3Pb	3	Cluster	Pb	20.81944847	1.863641143	380	586.5
36H40Pb	40	Cluster	Pb	3.796138525	1.916630387	1020.5	15.5
36H41Pb	41	Irregular	Pb	1.542181253	2.205662251	622.5	396.5
36H41SbPb	41	Irregular	SbPb	1.186293364	2.008133411	625	345.5
36H42SbPb	42	Irregular	SbPb	5.634893417	2.248817205	85.5	560.5
36H43Pb	43	Irregular	Pb	4.329970837	3.077287912	759	226.5
36H44Pb	44	Cluster	Pb	3.084362507	2.223970175	9.5	554.5
36H44SbPb	44	Cluster	SbPb	1.423552036	2.371606112	4.5	558.5
36H45SbPb	45	Irregular	SbPb	4.685858727	3.670766354	978	314.5
36H46SbPb	46	Cluster	SbPb	40.86780548	1.451260686	126	231.5
36H47Pb	47	Cluster	Pb	5.931466579	1.27821517	842.5	93.5
36H47SbPb	47	Cluster	SbPb	3.26230669	1.923140645	895.5	6.5
36H48SbPb	48	Cluster	SbPb	5.397634506	2.120880842	50.5	252.5
36H49Pb	49	Cluster	Pb	1.542181253	1.885976672	350.5	170.5
36H49SbPb	49	Cluster	SbPb	11.80361843	2.126327991	346.5	137.5
36H4SbPb	4	Cluster	SbPb	7.888850689	3.248141527	427.5	757.5
36H50SbPb	50	Cluster	SbPb	21.35327911	2.14905715	579	253.5
36H51SbPb	51	Cluster	SbPb	1.423552036	1.590939522	605.5	21.5
36H52Pb	52	Cluster	Pb	16.60810661	2.242248058	191.5	182.5

36H52SbPb	52	Cluster	SbPb	45.07914734	1.604253054	203	247.5
36H53Pb	53	Cluster	Pb	7.948165417	2.529653311	535	630.5
36H53SbPb	53	Cluster	SbPb	1.186293364	2.305441618	517	617.5
36H54SbPb	54	Irregular	SbPb	2.431901217	2.20409584	548	528.5
36H55SbPb	55	Cluster	SbPb	3.499565363	1.401530862	440.5	359.5
36H56Pb	56	Cluster	Pb	6.346669197	1.478234291	316	207.5
36H57SbPb	57	Cluster	SbPb	15.89633083	2.028615713	759.5	20.5
36H58Pb	58	Cluster	Pb	10.08349323	2.133718014	287	379.5
36H58SbPb	58	Cluster	SbPb	2.253957272	1.421464801	291.5	362.5
36H59Pb	59	Cluster	Pb	4.033397198	3.008041382	908.5	720.5
36H59SbPb	59	Cluster	SbPb	5.101061344	3.695918322	942	760.5
36H59Unclassified	59	Cluster	Unclassified	1.542181253	1.42778194	3.5	571.5
36H5BaPb	5	Cluster	BaPb	5.160376072	1.546372533	112.5	469.5
36H5Pb	5	Cluster	Pb	30.78431129	1.773286462	40	439.5
36H5SbBaPb	5	Cluster	SbBaPb	9.905549049	1.43855989	75	316.5
36H5SbPb	5	Cluster	SbPb	1.364237309	1.517153382	71.5	350.5
36H60Pb	60	Cluster	Pb	2.313271999	2.214481115	806.5	575.5
36H61Pb	61	Cluster	Pb	7.59227705	1.512511015	210.5	617.5
36H61SbPb	61	Cluster	SbPb	12.33745003	1.132900953	195.5	604.5
36H62Pb	62	Cluster	Pb	7.710906506	2.84149003	163.5	567.5
36H62SbPb	62	Cluster	SbPb	12.45607948	3.273514509	168.5	544.5
36H63SbBaPb	63	Irregular	SbBaPb	6.465298653	1.225723624	843	251.5
36H63SbPb	63	Irregular	SbPb	12.33745003	1.364779472	811.5	255.5
36H64Pb	64	Cluster	Pb	5.516263962	2.060104609	980.5	483.5
36H64SbPb	64	Cluster	SbPb	3.440250635	1.855980754	979.5	499.5
36H65SbPb	65	Irregular	SbPb	37.07166672	3.942828417	338.5	567.5
36H66SbPb	66	Sphere	SbPb	66.01721954	1.180085063	126.5	294.5
36H67SbPb	67	Irregular	SbPb	27.10680199	1.668928623	432	300.5
36H68Pb	68	Cluster	Pb	5.694208145	1.789663672	951.5	634.5
36H68SbPb	68	Cluster	SbPb	2.313271999	1.410344243	938.5	639.5

36H69Pb	69	Cluster	Pb	5.753522396	2.254332781	114.5	21.5
36H69SbBaPb	69	Cluster	SbBaPb	1.067664027	2.133948565	122.5	95.5
36H69SbPb	69	Cluster	SbPb	19.75178337	2.396441698	145	74.5
36H6SbPb	6	Cluster	SbPb	9.549661636	2.177796841	163.5	567.5
36H70Pb	70	Irregular	Pb	6.583928108	1.888861299	580	383.5
36H71SbPb	71	Cluster	SbPb	3.32162118	1.729388952	323.5	565.5
36H72Pb	72	Cluster	Pb	77.40563965	1.392641068	541	136.5
36H72SbPb	72	Cluster	SbPb	4.982431889	2.022937298	520.5	109.5
36H73SbPb	73	Irregular	SbPb	2.313271999	2.390552044	204.5	562.5
36H74Pb	74	Cluster	Pb	16.43016243	2.192357779	928	16.5
36H74SbPb	74	Cluster	SbPb	1.126978636	1.407203197	795	717.5
36H75Pb	75	Cluster	Pb	19.92972755	2.09147048	87	109.5
36H76SbPb	76	Cluster	SbPb	62.10245514	1.582980633	71.5	51.5
36H77SbPb	77	Cluster	SbPb	59.72986984	1.41785872	788.5	172.5
36H78SbPb	78	Irregular	SbPb	22.48025894	3.471480608	134	318.5
36H79SbPb	79	Irregular	SbPb	4.567229271	2.740088701	694.5	66.5
36H7SbPb	7	Cluster	SbPb	19.45520973	1.34789145	14	426.5
36H80BaPb	80	Cluster	BaPb	1.66081059	2.287921429	798.5	270.5
36H80Pb	80	Cluster	Pb	0.830405295	1.25	795.5	126.5
36H80SbPb	80	Cluster	SbPb	2.431901217	1.596068621	856	89.5
36H81SbBaPb	81	Cluster	SbBaPb	0.889719963	2.279071093	635	325.5
36H81SbPb	81	Cluster	SbPb	4.152026653	1.228075624	608	298.5
36H82SbPb	82	Irregular	SbPb	5.57557869	1.90270853	839.5	718.5
36H83SbPb	83	Irregular	SbPb	3.202991962	3.247523069	1015.5	631.5
36H84Pb	84	Cluster	Pb	12.27813625	2.025808811	674	253.5
36H85SbPb	85	Cluster	SbPb	23.01408958	1.584435463	729.5	205.5
36H86Pb	86	Cluster	Pb	1.542181253	2.435047626	913	546.5
36H86SbBaPb	86	Cluster	SbBaPb	1.067664027	2.246618748	957	488.5
36H86SbPb	86	Cluster	SbPb	5.694208145	3.555168152	873	501.5
36H87Pb	87	Cluster	Pb	12.1595068	1.856038809	884.5	109.5

36H87SbPb	87	Cluster	SbPb	1.067664027	1.666741848	852	92.5
36H87Unclassified	87	Cluster	Unclassified	1.3049227	1.452287555	869.5	213.5
36H88Pb	88	Cluster	Pb	2.431901217	1.525747299	118	155.5
36H88SbPb	88	Cluster	SbPb	2.728474617	2.184873343	122	149.5
36H89SbPb	89	Cluster	SbPb	1.423552036	1.435092568	847	645.5
36H8Pb	8	Cluster	Pb	28.70829773	1.959256411	301	310.5
36H8SbPb	8	Cluster	SbPb	1.720125318	1.518519759	325.5	330.5
36H90Pb	90	Sphere	Pb	1.245607972	1.573352575	730.5	579.5
36H90SbPb	90	Sphere	SbPb	1.186293364	2.299187183	699.5	567.5
36H91Pb	91	Cluster	Pb	1.66081059	1.570719123	344.5	523.5
36H91SbPb	91	Cluster	SbPb	24.37832832	1.197876811	386	574.5
36H92Pb	92	Cluster	Pb	1.423552036	1.612438917	985.5	292.5
36H92SbPb	92	Cluster	SbPb	17.85371399	1.273855329	1009	284.5
36H93SbPb	93	Cluster	SbPb	25.80187988	1.356250882	667.5	737.5
36H94SbPb	94	Cluster	SbPb	1.66081059	1.211515069	661	447.5
36H95Pb	95	Cluster	Pb	3.143677235	2.406259775	834	263.5
36H95SbPb	95	Cluster	SbPb	24.61558723	1.550537348	831	279.5
36H96SbPb	96	Irregular	SbPb	6.643242359	1.924700975	991	497.5
36H97Pb	97	Irregular	Pb	0.889719963	2.006572247	48.5	594.5
36H98SbPb	98	Irregular	SbPb	0.889719963	2.225071907	64	270.5
36H99SbPb	99	Cluster	SbPb	9.431032181	1.641028047	617.5	489.5
36H9SbPb	9	Irregular	SbPb	3.677509308	2.715817451	413.5	182.5
47H100Pb	100	Cluster	Pb	2.076013327	1.289215326	831	471.5
47H100SbPb	100	Cluster	SbPb	1.95738399	2.832917452	829.5	486.5
47H101SbPb	101	Cluster	SbPb	0.949034631	1.341638207	968.5	20.5
47H102Pb	102	Cluster	Pb	4.745173454	1.57833612	592.5	188.5
47H102SbPb	102	Cluster	SbPb	9.786919594	1.628600836	621	163.5
47H103Pb	103	Cluster	Pb	1.542181253	2.151823044	51	205.5
47H103SbPb	103	Cluster	SbPb	1.779439926	2.0839293	39	193.5
47H104Pb	104	Cluster	Pb	1.364237309	2.67987299	535.5	589.5

47H104SbPb	104	Cluster	SbPb	4.923117161	1.389429808	527.5	608.5
47H105SbPb	105	Cluster	SbPb	4.389285088	2.814545631	56.5	213.5
47H106SbPb	106	Irregular	SbPb	3.499565363	1.683025599	326.5	527.5
47H107SbPb	107	Irregular	SbPb	0.830405295	1.437952638	4	582.5
47H108SbBaPb	108	Sphere	SbBaPb	5.160376072	3.001797199	122	274.5
47H109Pb	109	Cluster	Pb	3.32162118	2.995228767	874	360.5
47H109SbPb	109	Cluster	SbPb	2.728474617	5.316442013	848.5	341.5
47H10Pb	10	Cluster	Pb	1.482866645	2.362962723	277.5	5.5
47H10SbPb	10	Cluster	SbPb	1.126978636	1.602826238	70	742.5
47H110SbPb	110	Irregular	SbPb	4.804487705	2.436146498	134	127.5
47H111Pb	111	Cluster	Pb	23.01408958	1.510102749	150.5	407.5
47H111SbPb	111	Cluster	SbPb	5.990781307	2.37535882	145	376.5
47H112Pb	112	Irregular	Pb	1.779439926	6.828947544	372	122.5
47H112SbPb	112	Irregular	SbPb	1.838754654	1.651636362	361.5	117.5
47H113SbBaPb	113	Sphere	SbBaPb	66.01721954	1.587113142	805	751.5
47H114Pb	114	Irregular	Pb	4.152026653	2.429464817	676	393.5
47H114SbBaPb	114	Irregular	SbBaPb	1.008349299	1.644061446	653.5	400.5
47H114SbPb	114	Irregular	SbPb	0.830405295	1.865636826	666	387.5
47H115Pb	115	Irregular	Pb	1.66081059	2.707241774	551	432.5
47H115SbPb	115	Irregular	SbPb	1.245607972	4.829901695	548.5	426.5
47H116SbPb	116	Cluster	SbPb	1.186293364	1.6362499	809.5	106.5
47H116Unclassified	116	Cluster	Unclassified	1.542181253	2.180595636	785.5	143.5
47H117Pb	117	Cluster	Pb	3.380935907	2.454666615	374	764.5
47H117SbPb	117	Cluster	SbPb	1.126978636	1.763394594	387.5	733.5
47H118SbPb	118	Irregular	SbPb	10.67663956	1.787297606	24	159.5
47H119Pb	119	Cluster	Pb	1.423552036	2.263845205	685	383.5
47H119SbBaPb	119	Cluster	SbBaPb	1.008349299	1.351636648	589.5	528.5
47H119SbPb	119	Cluster	SbPb	5.397634506	2.260769367	644	205.5
47H11Pb	11	Cluster	Pb	23.36997795	1.245329618	644.5	498.5
47H11SbPb	11	Cluster	SbPb	21.82779694	1.333392262	547.5	424.5

47H12SbPb	12	Cluster	SbPb	4.211341381	2.914445639	1008	499.5
47H13Pb	13	Cluster	Pb	1.364237309	1.698233724	104.5	367.5
47H13SbPb	13	Cluster	SbPb	3.677509308	3.425430059	101.5	352.5
47H14Pb	14	Cluster	Pb	2.076013327	2.152069092	316.5	424.5
47H14SbBaPb	14	Cluster	SbBaPb	1.779439926	1.710771203	403.5	532.5
47H14SbPb	14	Cluster	SbPb	1.779439926	3.535559893	304	394.5
47H15SbPb	15	Irregular	SbPb	1.008349299	2.741010666	423	501.5
47H16SbPb	16	Cluster	SbPb	5.694208145	2.079839468	61	231.5
47H17SbBaPb	17	Irregular	SbBaPb	6.52461338	1.379731297	26.5	652.5
47H18Pb	18	Cluster	Pb	1.838754654	1.698733687	1000	170.5
47H18SbBaPb	18	Cluster	SbBaPb	3.736824036	1.349587083	973.5	146.5
47H18SbPb	18	Cluster	SbPb	1.423552036	2.040974617	989	172.5
47H19Pb	19	Irregular	Pb	3.26230669	2.932513714	310.5	191.5
47H1Pb	1	Cluster	Pb	4.329970837	1.553931355	872.5	492.5
47H1SbPb	1	Cluster	SbPb	1.245607972	1.448836327	838.5	527.5
47H20SbBaPb	20	Irregular	SbBaPb	1.008349299	1.551523328	389	194.5
47H21Pb	21	Cluster	Pb	2.787789345	1.296900153	237.5	201.5
47H22SbPb	22	Cluster	SbPb	2.906418562	2.423948288	420	284.5
47H23SbPb	23	Irregular	SbPb	1.126978636	1.965593934	346	372.5
47H24Pb	24	Cluster	Pb	0.949034631	1.986629367	362	462.5
47H24SbPb	24	Cluster	SbPb	2.016698599	1.966861486	371	485.5
47H25SbPb	25	Irregular	SbPb	8.778570175	1.971283317	375	545.5
47H26SbPb	26	Irregular	SbPb	3.914767981	1.576058507	504.5	292.5
47H27BaPb	27	Cluster	BaPb	0.830405295	2.462188721	629	441.5
47H27Pb	27	Cluster	Pb	0.949034631	2.415542841	588.5	474.5
47H27SbPb	27	Cluster	SbPb	2.372586727	3.474809885	578	421.5
47H28Pb	28	Irregular	Pb	1.245607972	2.61809516	537.5	204.5
47H28SbPb	28	Irregular	SbPb	5.338319778	2.247830629	523	197.5
47H29Pb	29	Cluster	Pb	2.194642544	3.397377968	188.5	553.5
47H29SbPb	29	Cluster	SbPb	4.389285088	1.948633313	198.5	587.5

47H2BaPb	2	Cluster	BaPb	1.3049227	2.390308142	640.5	628.5
47H2Pb	2	Cluster	Pb	2.253957272	2.466357946	628	595.5
47H2SbBaPb	2	Cluster	SbBaPb	5.516263962	3.450441122	645.5	653.5
47H2SbPb	2	Cluster	SbPb	6.702557087	2.789545298	598	606.5
47H30Cu	30	Cluster	Cu	0.889719963	2.447011471	79	399.5
47H30Pb	30	Cluster	Pb	0.830405295	1.786111951	112	436.5
47H30SbPb	30	Cluster	SbPb	10.08349323	1.489113092	89.5	429.5
47H31Pb	31	Cluster	Pb	2.016698599	2.176091671	795.5	238.5
47H31SbPb	31	Cluster	SbPb	0.830405295	3.213704586	792	250.5
47H32Pb	32	Irregular	Pb	4.389285088	2.774441719	402	332.5
47H33Pb	33	Cluster	Pb	2.669159889	2.333927631	392	760.5
47H33SbPb	33	Cluster	SbPb	17.67576981	2.958499193	440.5	642.5
47H34Pb	34	Cluster	Pb	1.423552036	2.411276817	435.5	689.5
47H35Pb	35	Cluster	Pb	23.54792213	5.098809242	226.5	761.5
47H35SbPb	35	Cluster	SbPb	30.3691082	1.650567412	279.5	706.5
47H36SbBaPb	36	Irregular	SbBaPb	148.8204956	1.465561509	161.5	35.5
47H37Pb	37	Cluster	Pb	11.03252792	5.075279713	423	205.5
47H37SbPb	37	Cluster	SbPb	1.482866645	1.741492629	436.5	195.5
47H38Pb	38	Cluster	Pb	4.092711926	2.593394756	776	271.5
47H38SbPb	38	Cluster	SbPb	2.787789345	1.781310439	744.5	253.5
47H39Pb	39	Cluster	Pb	7.295703888	1.437885642	316.5	464.5
47H39SbBaPb	39	Cluster	SbBaPb	1.067664027	1.285290718	599	619.5
47H39SbPb	39	Cluster	SbPb	1305.990356	2.144684315	213.5	495.5
47H3Pb	3	Cluster	Pb	1.3049227	1.800038815	662	267.5
47H3SbPb	3	Cluster	SbPb	4.982431889	2.264193296	659	284.5
47H40Pb	40	Cluster	Pb	2.253957272	1.748732686	589.5	13.5
47H41Pb	41	Cluster	Pb	3.025048018	2.177773476	784.5	134.5
47H41SbPb	41	Cluster	SbPb	2.550530672	2.596877813	766.5	126.5
47H42SbPb	42	Irregular	SbPb	9.253087997	3.778307676	408.5	555.5
47H43Pb	43	Cluster	Pb	1.126978636	2.135910034	251	767.5

47H43SbBaPb	43	Cluster	SbBaPb	1.542181253	2.204540253	453	44.5
47H43SbPb	43	Cluster	SbPb	8.126109123	2.052123547	441	15.5
47H44Pb	44	Cluster	Pb	2.194642544	1.228838205	326	556.5
47H44SbPb	44	Cluster	SbPb	2.253957272	1.37093842	270.5	538.5
47H45Pb	45	Cluster	Pb	4.448599815	1.278777242	557	153.5
47H45SbPb	45	Cluster	SbPb	21.29396439	1.480983138	555	145.5
47H46SbPb	46	Cluster	SbPb	2.016698599	2.009268761	2	750.5
47H47Pb	47	Cluster	Pb	3.26230669	2.931487083	379	263.5
47H47SbPb	47	Cluster	SbPb	2.491215944	1.693617702	300.5	241.5
47H47Unclassified	47	Cluster	Unclassified	2.96573329	2.52001524	378.5	362.5
47H48Pb	48	Cluster	Pb	1.482866645	2.604234457	232	328.5
47H48SbPb	48	Cluster	SbPb	15.48112774	1.662318468	212.5	308.5
47H49Pb	49	Cluster	Pb	2.550530672	2.071851492	989	401.5
47H4Pb	4	Cluster	Pb	1.364237309	1.568419814	646	70.5
47H4SbPb	4	Cluster	SbPb	75.5668869	1.645853281	637	137.5
47H50Pb	50	Cluster	Pb	0.830405295	1.894981384	283.5	412.5
47H50SbPb	50	Cluster	SbPb	0.949034631	3.518338203	262	409.5
47H51SbPb	51	Cluster	SbPb	3.143677235	2.04798317	339	473.5
47H52SbPb	52	Cluster	SbPb	9.668290138	2.161401033	1012	40.5
47H53Pb	53	Cluster	Pb	1.364237309	2.309391499	727.5	13.5
47H53SbBaPb	53	Cluster	SbBaPb	1.423552036	1.301712036	759	12.5
47H53SbPb	53	Cluster	SbPb	2.076013327	1.499632716	729	0.5
47H54Pb	54	Cluster	Pb	6.050096035	1.34804976	166.5	54.5
47H54SbPb	54	Cluster	SbPb	0.889719963	2.267506838	131	67.5
47H55Pb	55	Cluster	Pb	9.60897541	1.622509241	383.5	222.5
47H55SbPb	55	Cluster	SbPb	1.423552036	3.509464741	386.5	200.5
47H56SbPb	56	Cluster	SbPb	8.126109123	1.336338997	1004	245.5
47H57SbPb	57	Cluster	SbPb	3.084362507	1.967901945	1009.5	189.5
47H58Pb	58	Cluster	Pb	9.134458542	1.426717281	182	67.5
47H58SbPb	58	Cluster	SbPb	5.279005051	1.717798948	191.5	58.5

47H59Pb	59	Cluster	Pb	0.830405295	1.691355467	125.5	624.5
47H5Pb	5	Cluster	Pb	1.067664027	1.442218065	405.5	438.5
47H60Pb	60	Cluster	Pb	0.830405295	2.406804323	73	651.5
47H61Pb	61	Cluster	Pb	19.75178337	1.921844602	145	376.5
47H61SbPb	61	Cluster	SbPb	2.076013327	2.429632425	128.5	363.5
47H62Pb	62	Cluster	Pb	2.016698599	2.165637255	40.5	563.5
47H62SbPb	62	Cluster	SbPb	21.94642639	1.211489558	44.5	559.5
47H63Pb	63	Cluster	Pb	3.914767981	1.401368737	791	609.5
47H63SbPb	63	Cluster	SbPb	2.787789345	4.284840107	726.5	620.5
47H64Pb	64	Cluster	Pb	2.96573329	1.552918911	350	761.5
47H64SbPb	64	Cluster	SbPb	4.567229271	1.83453238	332.5	754.5
47H65SbPb	65	Irregular	SbPb	3.202991962	1.55167532	909.5	538.5
47H66Pb	66	Cluster	Pb	1.423552036	3.36283493	799	375.5
47H66SbPb	66	Cluster	SbPb	1.186293364	4.140589237	783	359.5
47H67Pb	67	Cluster	Pb	1.542181253	1.638196349	583.5	549.5
47H67SbPb	67	Cluster	SbPb	5.931466579	5.353552818	619	576.5
47H68Pb	68	Irregular	Pb	17.31988335	1.690239191	421.5	266.5
47H69SbPb	69	Irregular	SbPb	2.076013327	2.401016951	452.5	495.5
47H6SbPb	6	Cluster	SbPb	0.949034631	1.525328636	781	157.5
47H70Pb	70	Cluster	Pb	3.974082708	1.229904652	533	8.5
47H71Pb	71	Cluster	Pb	3.025048018	1.666632175	571.5	525.5
47H71SbPb	71	Cluster	SbPb	0.949034631	2.530128717	565.5	475.5
47H72SbPb	72	Irregular	SbPb	1.66081059	1.846301556	430.5	184.5
47H73SbBaPb	73	Sphere	SbBaPb	1.482866645	2.823182583	269	97.5
47H74Pb	74	Cluster	Pb	20.40424538	1.736614943	912.5	449.5
47H74SbBaPb	74	Cluster	SbBaPb	1.779439926	2.902430058	847	381.5
47H74SbPb	74	Cluster	SbPb	15.71838665	2.715046883	945	351.5
47H75Pb	75	Cluster	Pb	1.067664027	2.164014101	526	565.5
47H76SbPb	76	Cluster	SbPb	1.3049227	1.341589332	684.5	269.5
47H77Pb	77	Cluster	Pb	0.830405295	1.683236718	227	458.5

47H77SbBaPb	77	Cluster	SbBaPb	1.008349299	2.613779545	278.5	609.5
47H77SbPb	77	Cluster	SbPb	1.95738399	1.557551026	242.5	423.5
47H78Pb	78	Cluster	Pb	1.66081059	1.857235193	95.5	707.5
47H78SbBaPb	78	Cluster	SbBaPb	1.720125318	1.841545939	77.5	658.5
47H78SbPb	78	Cluster	SbPb	3.914767981	1.766314864	79	648.5
47H79Pb	79	Irregular	Pb	9.905549049	1.461658001	980.5	209.5
47H7SbPb	7	Cluster	SbPb	1.126978636	1.715737581	744.5	216.5
47H80Pb	80	Irregular	Pb	3.32162118	1.620411396	787.5	579.5
47H80SbPb	80	Irregular	SbPb	28.648983	1.482906103	758	608.5
47H81Pb	81	Cluster	Pb	1.779439926	2.971494913	928.5	395.5
47H81SbPb	81	Cluster	SbPb	1.601495981	1.706291437	909.5	417.5
47H82SbBaPb	82	Sphere	SbBaPb	14.47277832	2.071495771	760	58.5
47H83SbPb	83	Cluster	SbPb	17.26056862	1.172198892	204.5	606.5
47H84Pb	84	Cluster	Pb	2.076013327	2.61530447	544.5	178.5
47H84SbBaPb	84	Cluster	SbBaPb	2.96573329	1.340703607	502.5	165.5
47H84SbPb	84	Cluster	SbPb	2.016698599	2.086214781	548.5	134.5
47H85SbBaPb	85	Sphere	SbBaPb	57.53522491	1.561218619	552.5	307.5
47H86Pb	86	Cluster	Pb	3.380935907	1.47495544	225	16.5
47H86SbPb	86	Cluster	SbPb	2.076013327	1.643093228	176.5	23.5
47H87Pb	87	Cluster	Pb	3.558879852	1.380822539	766.5	489.5
47H87SbPb	87	Cluster	SbPb	1.245607972	2.836386442	766.5	431.5
47H88Pb	88	Cluster	Pb	9.015829086	1.361752629	164	571.5
47H88SbPb	88	Cluster	SbPb	8.719255447	1.445166349	159	559.5
47H89Pb	89	Irregular	Pb	0.949034631	1.710310578	791	40.5
47H8SbBaPb	8	Cluster	SbBaPb	3.380935907	2.023612261	438.5	657.5
47H8SbPb	8	Cluster	SbPb	47.86693573	1.280098557	470	676.5
47H90SbPb	90	Cluster	SbPb	1.3049227	3.7572155	784.5	767.5
47H91SbPb	91	Irregular	SbPb	1.779439926	2.577647209	725.5	463.5
47H92SbPb	92	Irregular	SbPb	3.499565363	1.744371533	932.5	505.5
47H93Pb	93	Cluster	Pb	3.143677235	2.302081108	969.5	502.5

47H93SbPb	93	Cluster	SbPb	7.770221233	1.953683019	968.5	519.5
47H94Pb	94	Cluster	Pb	2.6098454	2.666851997	485	1.5
47H94SbPb	94	Cluster	SbPb	76.69386292	1.394748211	486.5	12.5
47H95SbBaPb	95	Sphere	SbBaPb	19.75178337	1.24562633	1013	24.5
47H96Pb	96	Cluster	Pb	6.168725014	1.958043694	60	699.5
47H96SbPb	96	Cluster	SbPb	4.626543999	2.275230646	54	679.5
47H97SbPb	97	Irregular	SbPb	1.067664027	3.349491835	848	737.5
47H98SbPb	98	Irregular	SbPb	0.830405295	2.180293798	251	598.5
47H99Pb	99	Cluster	Pb	3.202991962	1.466032743	371	261.5
47H99SbPb	99	Cluster	SbPb	2.550530672	1.605784178	388.5	223.5
47H9Pb	9	Irregular	Pb	1.008349299	1.89458859	112.5	204.5
18H100SbPb	100	Irregular	SbPb	3.914767981	2.1132195	628.5	362.5
18H101SbPb	101	Cluster	SbPb	125.8657227	1.585954189	73.5	380.5
18H102SbPb	102	Irregular	SbPb	7.948165417	1.411605835	718	398.5
18H103SbPb	103	Cluster	SbPb	338.6274414	1.493300796	211	536.5
18H104SbPb	104	Cluster	SbPb	4.923117161	4.418575287	568.5	107.5
18H105SbPb	105	Cluster	SbPb	65.18682098	1.598405242	949.5	379.5
18H106SbPb	106	Irregular	SbPb	23.01408958	1.341482282	464	134.5
18H107SbPb	107	Irregular	SbPb	4.685858727	1.724837422	412	461.5
18H108SbPb	108	Irregular	SbPb	22.48025894	1.2805264	18.5	547.5
18H109SbPb	109	Irregular	SbPb	7.355018616	1.790372372	287	455.5
18H10SbPb	10	Irregular	SbPb	13.64237309	1.488910079	644	337.5
18H110SbPb	110	Irregular	SbPb	25.32736206	1.316064119	545.5	695.5
18H111SbPb	111	Irregular	SbPb	2.906418562	1.647197008	897	162.5
18H112Pb	112	Cluster	Pb	3.796138525	1.288842916	284	715.5
18H112SbPb	112	Cluster	SbPb	5.516263962	1.830080628	269	715.5
18H113Pb	113	Cluster	Pb	4.923117161	3.560330868	590	51.5
18H113SbBaPb	113	Cluster	SbBaPb	1.008349299	1.506739616	612	50.5
18H113SbPb	113	Cluster	SbPb	31.73334694	1.514212489	553.5	36.5
18H114SbPb	114	Cluster	SbPb	60.85684586	1.344524503	667	244.5

18H115Pb	115	Cluster	Pb	11.44773006	1.333333373	860.5	294.5
18H115SbPb	115	Cluster	SbPb	3.499565363	2.579475641	835.5	258.5
18H116SbPb	116	Irregular	SbPb	3.499565363	4.094277382	484	62.5
18H117SbPb	117	Irregular	SbPb	4.567229271	2.465500355	442.5	18.5
18H118SbBaPb	118	Cluster	SbBaPb	4.152026653	4.354570389	859	253.5
18H118SbPb	118	Cluster	SbPb	8.363368034	2.711076021	865.5	261.5
18H119SbBaPb	119	Sphere	SbBaPb	159.6157684	1.165913463	92	323.5
18H11SbPb	11	Irregular	SbPb	7.23638916	2.445148706	229	361.5
18H120Pb	120	Cluster	Pb	2.491215944	1.391987681	355.5	399.5
18H120SbPb	120	Cluster	SbPb	13.76100254	3.672655582	350	364.5
18H121SbPb	121	Irregular	SbPb	59.67055511	1.217598796	15	286.5
18H122SbPb	122	Cluster	SbPb	31.19951439	2.386945009	10	18.5
18H123SbPb	123	Irregular	SbPb	15.24386883	1.642110944	59	457.5
18H124SbPb	124	Cluster	SbPb	7.23638916	2.62888217	578	701.5
18H125SbPb	125	Cluster	SbPb	6.228039742	4.553238392	554	130.5
18H126SbPb	126	Cluster	SbPb	40.21534348	1.770634294	336	239.5
18H127SbBaPb	127	Irregular	SbBaPb	4.152026653	2.907999516	405.5	484.5
18H128SbPb	128	Irregular	SbPb	6.52461338	2.685804844	408.5	433.5
18H129SbPb	129	Cluster	SbPb	30.42842293	1.110464096	460.5	455.5
18H12BaPb	12	Cluster	BaPb	35.70742798	2.958037615	279	396.5
18H12SbBaPb	12	Cluster	SbBaPb	68.74569702	1.965765238	185.5	391.5
18H12SbPb	12	Cluster	SbPb	4.092711926	2.075593948	201.5	438.5
18H130SbPb	130	Cluster	SbPb	27.46269035	1.923712134	818	708.5
18H131SbBaPb	131	Cluster	SbBaPb	2.313271999	2.822502375	494.5	551.5
18H131SbPb	131	Cluster	SbPb	39.68151093	2.106165648	485	530.5
18H132SbPb	132	Irregular	SbPb	7.651591778	1.906428218	774.5	735.5
18H133SbPb	133	Cluster	SbPb	609.8140869	1.394535065	972	147.5
18H134SbBaPb	134	Irregular	SbBaPb	8.837884903	2.669329166	967.5	460.5
18H135SbPb	135	Irregular	SbPb	8.126109123	1.289906621	257	234.5
18H136SbPb	136	Cluster	SbPb	25.14941788	1.514248729	851	313.5

18H137SbPb	137	Irregular	SbPb	33.1568985	2.126155853	440	72.5
18H138SbPb	138	Cluster	SbPb	72.48252106	1.471851587	311	36.5
18H139SbPb	139	Irregular	SbPb	21.94642639	1.667289019	422	494.5
18H13SbPb	13	Cluster	SbPb	19.92972755	2.280447245	994	158.5
18H14SbBaPb	14	Cluster	SbBaPb	16.07427406	1.185538173	601	601.5
18H15SbBaPb	15	Irregular	SbBaPb	94.60689545	1.770849824	647	642.5
18H16SbBaPb	16	Cluster	SbBaPb	259.2644043	2.113410234	416	135.5
18H17SbPb	17	Cluster	SbPb	51.01061249	1.965148211	554	133.5
18H18SbPb	18	Cluster	SbPb	67.85597992	1.679315805	362	46.5
18H19SbPb	19	Irregular	SbPb	10.14280796	1.678037763	857.5	446.5
18H1SbPb	1	Cluster	SbPb	13.34579945	1.303835273	584.5	511.5
18H20SbBaPb	20	Cluster	SbBaPb	32.62306595	1.416084528	820	501.5
18H20SbPb	20	Cluster	SbPb	9.253087997	1.685675025	819	522.5
18H21SbBaPb	21	Sphere	SbBaPb	53.50182724	1.137419701	16.5	697.5
18H22SbPb	22	Irregular	SbPb	1.720125318	1.715584159	157.5	369.5
18H23SbPb	23	Cluster	SbPb	67.2035141	1.589913726	723	510.5
18H24SbPb	24	Cluster	SbPb	52.79005432	2.138672829	630	549.5
18H25SbPb	25	Irregular	SbPb	8.244738579	1.249390244	13	586.5
18H26SbPb	26	Irregular	SbPb	43.89285278	1.661862969	195	241.5
18H27SbPb	27	Cluster	SbPb	11.50704479	1.638771057	116.5	171.5
18H28SbPb	28	Irregular	SbPb	26.51365471	1.56863296	954.5	194.5
18H29SbPb	29	Irregular	SbPb	10.79526901	2.00766325	493	393.5
18H2SbPb	2	Cluster	SbPb	16.07427406	2.332339525	36.5	270.5
18H30SbPb	30	Irregular	SbPb	27.46269035	1.215836525	973.5	428.5
18H31SbPb	31	Irregular	SbPb	6.88050127	1.668021083	372.5	544.5
18H32SbPb	32	Irregular	SbPb	8.778570175	2.282972574	870.5	53.5
18H33SbPb	33	Cluster	SbPb	136.8389282	1.46235764	706	92.5
18H34Cu	34	Cluster	Cu	1.245607972	1.378109694	108	477.5
18H34SbPb	34	Cluster	SbPb	33.75004578	2.881164789	79	435.5
18H35SbPb	35	Irregular	SbPb	15.54044247	1.188290954	908	196.5

18H36SbPb	36	Irregular	SbPb	1.601495981	1.442218065	113.5	452.5
18H37SbPb	37	Irregular	SbPb	7.177074432	1.618869424	235	665.5
18H38SbPb	38	Cluster	SbPb	17.55714035	1.262911558	889	102.5
18H39SbPb	39	Cluster	SbPb	7.888850689	4.299059391	13	0.5
18H3SbPb	3	Cluster	SbPb	7.829535961	2.688687563	133	766.5
18H40SbPb	40	Irregular	SbPb	7.295703888	1.452304721	275.5	728.5
18H41SbPb	41	Irregular	SbPb	31.85197639	1.630045533	43	696.5
18H42SbPb	42	Cluster	SbPb	4.152026653	3.307021379	268	481.5
18H43SbPb	43	Cluster	SbPb	7.177074432	2.356999874	225	583.5
18H44SbPb	44	Cluster	SbPb	21.64985275	2.189278841	838	200.5
18H45SbPb	45	Irregular	SbPb	5.041746616	3.518146038	901.5	225.5
18H46SbBaPb	46	Sphere	SbBaPb	29.77596283	1.383118987	452.5	107.5
18H47SbPb	47	Cluster	SbPb	26.45434189	2.332982302	575	401.5
18H48SbPb	48	Irregular	SbPb	4.626543999	2.165632248	917.5	744.5
18H49SbPb	49	Cluster	SbPb	11.80361843	1.413468122	8.5	536.5
18H4SbPb	4	Cluster	SbPb	22.00574112	1.2936064	406	94.5
18H50SbPb	50	Cluster	SbPb	6.52461338	2.608326674	715	711.5
18H51SbPb	51	Cluster	SbPb	3.380935907	1.724823356	754.5	279.5
18H52SbPb	52	Cluster	SbPb	172.1311646	1.521367311	626	704.5
18H53SbPb	53	Irregular	SbPb	4.863802433	2.337820292	61.5	382.5
18H54SbPb	54	Cluster	SbPb	22.24300003	1.850903988	522	624.5
18H55SbPb	55	Cluster	SbPb	14.11689091	1.343386292	891.5	486.5
18H56SbPb	56	Irregular	SbPb	20.10767174	1.403411627	782	569.5
18H57SbPb	57	Cluster	SbPb	38.61384583	4.446612835	294.5	731.5
18H58SbPb	58	Irregular	SbPb	9.786919594	2.199468374	285.5	115.5
18H59SbPb	59	Irregular	SbPb	35.29222488	1.741876125	407	86.5
18H5SbBaPb	5	Cluster	SbBaPb	9.253087997	2.19885993	162.5	733.5
18H60SbPb	60	Irregular	SbPb	13.82031727	1.339994431	150	315.5
18H61SbPb	61	Irregular	SbPb	18.26891708	1.389665365	430.5	486.5
18H62SbPb	62	Irregular	SbPb	31.91129112	1.775869966	967	581.5

18H63SbPb	63	Irregular	SbPb	5.041746616	1.93215847	38	587.5
18H64SbPb	64	Irregular	SbPb	3.32162118	2.949889421	850.5	324.5
18H65SbBaPb	65	Cluster	SbBaPb	34.87702179	2.703645945	638.5	343.5
18H65SbPb	65	Cluster	SbPb	12.81196785	1.309111118	669	348.5
18H66SbPb	66	Cluster	SbPb	865.401001	1.424096942	543.5	398.5
18H67SbBaPb	67	Cluster	SbBaPb	5.279005051	1.217031479	954.5	529.5
18H67SbPb	67	Cluster	SbPb	124.7980576	1.673176408	20	189.5
18H68SbPb	68	Irregular	SbPb	17.67576981	2.369366169	195	113.5
18H69SbPb	69	Cluster	SbPb	61.74656677	2.218096733	825.5	640.5
18H6SbPb	6	Irregular	SbPb	3.974082708	2.275248766	844	54.5
18H70SbPb	70	Irregular	SbPb	39.91876984	1.520392776	861.5	425.5
18H71SbPb	71	Irregular	SbPb	13.16785622	1.381933808	491	19.5
18H72SbPb	72	Cluster	SbPb	222.4299927	1.701296449	702.5	474.5
18H73SbPb	73	Cluster	SbPb	10.5580101	2.333444834	894	61.5
18H74SbPb	74	Irregular	SbPb	15.06592464	1.380904078	531.5	250.5
18H75SbPb	75	Irregular	SbPb	12.04087734	1.323153257	42.5	125.5
18H76SbPb	76	Irregular	SbPb	6.050096035	1.785249352	707	475.5
18H77SbPb	77	Cluster	SbPb	45.31640625	1.533828974	160.5	507.5
18H78SbPb	78	Irregular	SbPb	5.456949234	1.705735207	682.5	592.5
18H79SbPb	79	Irregular	SbPb	15.24386883	2.728277206	983	90.5
18H7SbBaPb	7	Cluster	SbBaPb	77.34632111	1.156775355	588	279.5
18H80SbPb	80	Cluster	SbPb	8.719255447	2.633233309	1012.5	198.5
18H81SbPb	81	Irregular	SbPb	51.01061249	1.663237453	535.5	250.5
18H82SbBaPb	82	Cluster	SbBaPb	11.86293316	2.699391365	86.5	2.5
18H82SbPb	82	Cluster	SbPb	111.9267731	1.428287625	129.5	46.5
18H83SbBaPb	83	Sphere	SbBaPb	100.1824722	1.126977921	229	572.5
18H84Cu	84	Cluster	Cu	10.4393816	1.651277781	275.5	766.5
18H84Pb	84	Cluster	Pb	2.491215944	1.568691969	451.5	110.5
18H84SbBaPb	84	Cluster	SbBaPb	5517.746582	1.840208173	256.5	56.5
18H84SbPb	84	Cluster	SbPb	2909.50293	1.636270523	125	764.5

18H85SbPb	85	Irregular	SbPb	1.838754654	1.60769093	292	112.5
18H86SbPb	86	Irregular	SbPb	13.40511417	1.771083236	531	90.5
18H87SbPb	87	Irregular	SbPb	24.25969887	1.283493638	899.5	384.5
18H88SbBaPb	88	Cluster	SbBaPb	5.753522396	1.676803946	184	55.5
18H88SbPb	88	Cluster	SbPb	1.423552036	1.411431789	169	51.5
18H89SbPb	89	Cluster	SbPb	29.18281555	1.214151025	136	56.5
18H8SbPb	8	Irregular	SbPb	20.76013374	1.259148717	33.5	646.5
18H90Pb	90	Cluster	Pb	6.999130726	1.898628354	952.5	284.5
18H90SbPb	90	Cluster	SbPb	6.52461338	2.325156927	935.5	228.5
18H91SbPb	91	Irregular	SbPb	31.67403221	1.37883687	386.5	353.5
18H92SbPb	92	Cluster	SbPb	17.20125389	2.26757741	321.5	248.5
18H93SbPb	93	Irregular	SbPb	17.55714035	1.698397517	606	18.5
18H94SbPb	94	Irregular	SbPb	26.21708298	1.174491763	719.5	182.5
18H95SbPb	95	Irregular	SbPb	12.45607948	1.53640604	787.5	26.5
18H96Cu	96	Cluster	Cu	0.949034631	1.594791651	765	129.5
18H96SbPb	96	Cluster	SbPb	108.4272079	1.47806251	761	82.5
18H97BaPb	97	Cluster	BaPb	2.313271999	1.694018841	999	489.5
18H97Cu	97	Cluster	Cu	3.084362507	1.441132903	962.5	559.5
18H97SbBaPb	97	Cluster	SbBaPb	180.0200043	1.493172526	958.5	476.5
18H97SbPb	97	Cluster	SbPb	5.041746616	2.482594967	987.5	438.5
18H98SbPb	98	Irregular	SbPb	4.389285088	2.156131744	457.5	8.5
18H99SbPb	99	Cluster	SbPb	26.03913879	1.517261982	459.5	183.5
18H9SbPb	9	Irregular	SbPb	11.56635952	2.326944351	736.5	172.5
1F1SbPb	1	Cluster	SbPb	103.4447784	1.609081149	41.5	450.5
1H1SbPb	1	Irregular	SbPb	2.96573329	2.504901409	24	384.5
20H100Pb	100	Cluster	Pb	481.872345	1.684292078	764	178.5
20H100SbPb	100	Cluster	SbPb	1.008349299	1.593244791	716	144.5
20H101SbPb	101	Irregular	SbPb	17.67576981	3.111709118	195	78.5
20H102SbPb	102	Irregular	SbPb	17.85371399	1.216245174	824	237.5
20H103Pb	103	Irregular	Pb	18.92137909	1.127245545	648.5	592.5

20H104SbPb	104	Cluster	SbPb	112.164032	1.71611464	843.5	689.5
20H105SbPb	105	Cluster	SbPb	5.634893417	2.063941002	25	659.5
20H106Pb	106	Irregular	Pb	8.659941673	1.559167147	966.5	746.5
20H107SbPb	107	Cluster	SbPb	103.3854599	1.835220575	581.5	221.5
20H108SbBaPb	108	Cluster	SbBaPb	10.73595428	2.503085375	558.5	209.5
20H109SbPb	109	Irregular	SbPb	22.89546013	3.725839376	239	78.5
20H10Pb	10	Irregular	Pb	8.48199749	2.319326878	170	652.5
20H110Pb	110	Cluster	Pb	3.084362507	1.617260098	803.5	70.5
20H110SbPb	110	Cluster	SbPb	136.8389282	1.309173822	832	40.5
20H111Pb	111	Irregular	Pb	21.88711166	2.024110079	300.5	405.5
20H112SbPb	112	Irregular	SbPb	10.79526901	1.31959796	17	435.5
20H113SbPb	113	Irregular	SbPb	4.982431889	2.422204733	479	123.5
20H114SbPb	114	Cluster	SbPb	302.2675476	2.506912947	448.5	125.5
20H115SbPb	115	Cluster	SbPb	43.00313187	2.335066557	710	141.5
20H116Pb	116	Cluster	Pb	25.74256516	1.507845521	588	398.5
20H116SbPb	116	Cluster	SbPb	29.95390701	1.745655417	559.5	376.5
20H117Pb	117	Irregular	Pb	11.44773006	2.424900293	962.5	767.5
20H118SbPb	118	Cluster	SbPb	15.89633083	1.832952857	762	300.5
20H119SbPb	119	Cluster	SbPb	3.380935907	2.507504702	141.5	740.5
20H11Pb	11	Cluster	Pb	28.53035355	2.091525078	342.5	451.5
20H120SbPb	120	Cluster	SbPb	31.55540276	1.670656204	284	330.5
20H121SbPb	121	Irregular	SbPb	11.44773006	1.81331563	484	464.5
20H122Pb	122	Irregular	Pb	9.371717453	1.864400148	238	624.5
20H123Pb	123	Cluster	Pb	38.25796127	2.057251692	640.5	36.5
20H124SbPb	124	Irregular	SbPb	1.720125318	4.282612801	963.5	767.5
20H125SbPb	125	Cluster	SbPb	45.01983261	1.672156215	908.5	61.5
20H126Pb	126	Irregular	Pb	7.177074432	1.254946232	716.5	509.5
20H127Pb	127	Irregular	Pb	12.63402367	1.674098969	693.5	221.5
20H128SbPb	128	Irregular	SbPb	26.98817253	1.259206176	690.5	612.5
20H129SbPb	129	Cluster	SbPb	57.17933655	1.896890879	813.5	543.5

20H12Pb	12	Irregular	Pb	6.465298653	1.602279305	432.5	276.5
20H130SbPb	130	Cluster	SbPb	7.888850689	1.864969969	27	431.5
20H131Pb	131	Cluster	Pb	7.23638916	1.629558325	137	754.5
20H131SbPb	131	Cluster	SbPb	24.3190136	3.822358608	318.5	3.5
20H132SbPb	132	Cluster	SbPb	33.63141632	1.575999141	72.5	590.5
20H133Pb	133	Cluster	Pb	19.45520973	1.787298799	828.5	427.5
20H133SbPb	133	Cluster	SbPb	47.33310318	1.499058247	848.5	410.5
20H134Pb	134	Cluster	Pb	48.40076828	1.906927943	1003.5	725.5
20H135Pb	135	Cluster	Pb	52.55279541	1.499648809	49	685.5
20H136Pb	136	Cluster	Pb	98.64028931	1.80653739	266.5	300.5
20H137Pb	137	Irregular	Pb	24.02243996	2.012631416	538.5	107.5
20H138SbPb	138	Irregular	SbPb	12.63402367	1.216488123	291	747.5
20H139Pb	139	Cluster	Pb	13.82031727	1.551930308	425.5	696.5
20H13Pb	13	Irregular	Pb	26.75091362	1.474771142	919	616.5
20H140Pb	140	Cluster	Pb	23.66655159	1.835042477	38.5	560.5
20H140SbPb	140	Cluster	SbPb	9.431032181	1.894697428	78.5	579.5
20H141SbBaPb	141	Irregular	SbBaPb	2.431901217	3.367052555	907.5	764.5
20H142Pb	142	Irregular	Pb	17.61645508	1.489468217	18	228.5
20H143SbBaPb	143	Irregular	SbBaPb	5.160376072	4.428224564	861.5	432.5
20H144Pb	144	Cluster	Pb	74.73648071	1.819233418	86.5	499.5
20H144SbPb	144	Cluster	SbPb	16.25221825	1.988469481	96	485.5
20H145Pb	145	Cluster	Pb	28.05583763	2.805338144	846.5	570.5
20H146Pb	146	Irregular	Pb	15.24386883	5.104031086	455	2.5
20H146SbPb	146	Irregular	SbPb	14.59140778	5.360338688	311	766.5
20H147SbPb	147	Cluster	SbPb	17.73508453	1.36997807	791.5	381.5
20H148SbPb	148	Cluster	SbPb	27.46269035	2.210129976	537	596.5
20H149BaPb	149	Cluster	BaPb	9.015829086	1.575711846	337.5	153.5
20H149Pb	149	Cluster	Pb	1006.273315	1.953638554	369.5	106.5
20H149SbPb	149	Cluster	SbPb	7.59227705	1.177152038	315.5	102.5
20H14Pb	14	Cluster	Pb	1.245607972	1.435131669	648	153.5

20H14SbBaPb	14	Cluster	SbBaPb	23.13271904	1.530681133	764.5	146.5
20H14SbPb	14	Cluster	SbPb	251.5534973	1.410517216	757.5	197.5
20H150SbPb	150	Irregular	SbPb	16.72673607	1.816601396	859.5	513.5
20H151Pb	151	Cluster	Pb	26.9288578	2.33168292	19	490.5
20H152SbPb	152	Cluster	SbPb	134.2290955	1.750773191	61	277.5
20H153Pb	153	Cluster	Pb	3.499565363	3.226865768	577	592.5
20H154SbPb	154	Cluster	SbPb	9.490346909	1.675869584	28	370.5
20H155SbPb	155	Irregular	SbPb	6.52461338	1.614716887	547	269.5
20H156Pb	156	Cluster	Pb	65.89859009	2.282248497	782	698.5
20H157SbPb	157	Irregular	SbPb	11.7443037	1.592341065	498.5	57.5
20H158SbPb	158	Irregular	SbPb	8.897199631	2.262445927	796	544.5
20H159SbPb	159	Cluster	SbPb	41.99478149	2.863977194	645	216.5
20H15Pb	15	Irregular	Pb	29.83527756	1.698069453	479.5	470.5
20H15SbPb	15	Irregular	SbPb	29.59801865	1.781836271	446.5	445.5
20H160SbPb	160	Cluster	SbPb	40.09671402	1.370786309	387	518.5
20H161SbPb	161	Cluster	SbPb	23.13271904	1.807248354	115	108.5
20H162Pb	162	Cluster	Pb	4.982431889	2.028220654	557.5	216.5
20H163Pb	163	Cluster	Pb	18.92137909	1.712705255	959	356.5
20H164SbPb	164	Cluster	SbPb	20.8787632	1.547793031	400.5	442.5
20H165SbPb	165	Cluster	SbPb	23.31066322	1.377524137	897.5	228.5
20H166Pb	166	Cluster	Pb	14.76935196	2.327744722	320.5	445.5
20H167SbPb	167	Irregular	SbPb	18.0909729	1.801303864	848	233.5
20H168Pb	168	Irregular	Pb	18.98069382	1.34327817	233.5	403.5
20H169Pb	169	Cluster	Pb	34.2245636	1.363056421	153	105.5
20H16SbPb	16	Cluster	SbPb	60.14507294	1.517598987	932.5	292.5
20H170SbPb	170	Irregular	SbPb	7.23638916	1.649989009	962.5	118.5
20H171Pb	171	Irregular	Pb	32.14854813	1.30108881	431	527.5
20H172SbPb	172	Irregular	SbPb	8.185423851	1.216356397	952.5	233.5
20H173SbPb	173	Cluster	SbPb	21.70916748	1.456110835	137	560.5
20H174Pb	174	Irregular	Pb	8.956514359	2.63236928	617.5	577.5

20H175SbPb	175	Cluster	SbPb	343.7284851	1.705804586	873	275.5
20H176Pb	176	Cluster	Pb	3.202991962	2.192158937	2.5	559.5
20H176SbPb	176	Cluster	SbPb	15.42181301	1.629986167	9.5	543.5
20H177Pb	177	Irregular	Pb	21.29396439	1.255541325	642.5	429.5
20H178SbPb	178	Irregular	SbPb	15.71838665	1.831844211	789.5	633.5
20H179SbPb	179	Cluster	SbPb	29.83527756	2.971288204	416	434.5
20H17SbPb	17	Irregular	SbPb	18.68412018	1.462560296	86	206.5
20H180Pb	180	Cluster	Pb	1.542181253	2.850440979	332	517.5
20H180SbPb	180	Cluster	SbPb	29.7166481	1.58653903	377	486.5
20H181SbBaPb	181	Irregular	SbBaPb	3.914767981	3.023379803	797	452.5
20H182Pb	182	Irregular	Pb	2.076013327	2.131046772	798	287.5
20H182SbPb	182	Irregular	SbPb	1.838754654	2.14839983	789	290.5
20H18Pb	18	Cluster	Pb	13.76100254	1.843266606	139.5	655.5
20H19Pb	19	Cluster	Pb	11.03252792	1.319327235	231.5	669.5
20H19SbPb	19	Cluster	SbPb	87.54844666	1.592044711	246	718.5
20H1SbPb	1	Irregular	SbPb	46.44338226	1.720193744	104	575.5
20H20Pb	20	Cluster	Pb	29.95390701	1.353444815	747.5	106.5
20H21Pb	21	Irregular	Pb	15.1845541	4.703430176	76.5	668.5
20H22SbPb	22	Irregular	SbPb	35.64811325	3.265729427	10	401.5
20H23SbPb	23	Irregular	SbPb	29.77596283	1.356219292	325.5	72.5
20H24SbPb	24	Irregular	SbPb	5.338319778	3.454471827	787	3.5
20H25SbBaPb	25	Sphere	SbBaPb	10.14280796	1.864932775	354	271.5
20H26SbBaPb	26	Cluster	SbBaPb	222.7265625	1.23924613	775	289.5
20H27Pb	27	Irregular	Pb	20.28561592	1.334174991	954.5	303.5
20H28Pb	28	Cluster	Pb	23.13271904	2.044996738	148	194.5
20H28SbPb	28	Cluster	SbPb	8.363368034	3.172314882	128	182.5
20H29SbBaPb	29	Irregular	SbBaPb	47.45173264	1.79858768	322.5	574.5
20H2Pb	2	Irregular	Pb	23.60723686	1.55179286	114.5	654.5
20H30SbPb	30	Irregular	SbPb	2.550530672	3.28677392	1008.5	394.5
20H31SbPb	31	Cluster	SbPb	4.745173454	2.12239337	932	110.5

20H32Pb	32	Cluster	Pb	10.38006687	1.720126271	578	523.5
20H33SbBaPb	33	Sphere	SbBaPb	112.2233505	1.305759788	826.5	381.5
20H34Pb	34	Cluster	Pb	25.14941788	1.121080041	241	710.5
20H35SbPb	35	Cluster	SbPb	43.12176132	1.941075802	530.5	509.5
20H36Pb	36	Cluster	Pb	6.405983925	2.841644049	877.5	766.5
20H36SbPb	36	Cluster	SbPb	17.31988335	1.411713243	844.5	746.5
20H37Pb	37	Cluster	Pb	46.85858536	1.851347566	235	106.5
20H38Pb	38	Irregular	Pb	3.025048018	2.220386744	32.5	576.5
20H39SbPb	39	Cluster	SbPb	130.4329529	1.209008098	323	651.5
20H3SbPb	3	Cluster	SbPb	90.81075287	1.461598277	401	357.5
20H40SbBa	40	Sphere	SbBa	1.008349299	1.668779731	815.5	148.5
20H41SbPb	41	Irregular	SbPb	12.04087734	1.666732788	998	163.5
20H42SbPb	42	Cluster	SbPb	8.778570175	3.290870428	687.5	473.5
20H43Pb	43	Irregular	Pb	23.42929268	1.439489007	208	560.5
20H44SbPb	44	Irregular	SbPb	24.67490005	1.526800513	163.5	410.5
20H45Pb	45	Irregular	Pb	16.07427406	2.031209469	515	172.5
20H46SbPb	46	Cluster	SbPb	186.8412018	1.588726163	498	483.5
20H47SbPb	47	Cluster	SbPb	40.03739929	2.721254349	937.5	70.5
20H48SbPb	48	Cluster	SbPb	118.4513855	1.859994054	441	361.5
20H49SbPb	49	Irregular	SbPb	6.287354469	1.383476615	966	746.5
20H4Pb	4	Irregular	Pb	4.567229271	2.402881861	62	650.5
20H50SbPb	50	Irregular	SbPb	17.61645508	1.299474359	909	396.5
20H51SbPb	51	Cluster	SbPb	139.0928955	1.587695837	26.5	296.5
20H52Pb	52	Irregular	Pb	9.786919594	1.249970317	503.5	624.5
20H53SbBaPb	53	Sphere	SbBaPb	77.64289856	1.247595072	36.5	401.5
20H54Pb	54	Cluster	Pb	15.65907192	1.721711874	124	536.5
20H55Pb	55	Irregular	Pb	34.87702179	1.699709535	230	549.5
20H56Pb	56	Cluster	Pb	9.786919594	4.692033291	605	3.5
20H56SbPb	56	Cluster	SbPb	72.24526215	1.737636209	431.5	758.5
20H57Pb	57	Irregular	Pb	13.52374363	2.046162367	114	682.5

20H58Pb	58	Irregular	Pb	4.923117161	3.765020847	886	363.5
20H58SbPb	58	Irregular	SbPb	13.52374363	1.964147568	886	352.5
20H59SbBaPb	59	Sphere	SbBaPb	40.2746582	1.277933478	349.5	550.5
20H5SbPb	5	Irregular	SbPb	6.465298653	1.380632639	20.5	194.5
20H60SbPb	60	Irregular	SbPb	6.999130726	1.997631073	876	522.5
20H61SbBaPb	61	Irregular	SbBaPb	8.304053307	2.67095542	536	565.5
20H62SbPb	62	Irregular	SbPb	7.473648071	2.479616404	835	577.5
20H63Pb	63	Cluster	Pb	144.9057312	1.646529675	981	112.5
20H64SbPb	64	Irregular	SbPb	17.37919617	1.271692395	992	541.5
20H65SbPb	65	Irregular	SbPb	65.95790863	2.049247265	912	62.5
20H66SbPb	66	Cluster	SbPb	153.091156	1.376029849	412	259.5
20H67Pb	67	Irregular	Pb	6.050096035	3.352208614	424	314.5
20H68Pb	68	Irregular	Pb	20.22630119	1.816494107	737.5	417.5
20H69SbPb	69	Cluster	SbPb	52.79005432	2.172703505	373.5	150.5
20H6SbPb	6	Irregular	SbPb	12.81196785	1.282426476	811.5	110.5
20H70Pb	70	Cluster	Pb	293.7262268	1.381926298	35.5	202.5
20H71SbBaPb	71	Sphere	SbBaPb	19.8110981	1.864295602	792	126.5
20H72SbPb	72	Cluster	SbPb	49.17185974	1.743550301	921	11.5
20H73SbPb	73	Cluster	SbPb	24.97147369	1.629894495	413.5	241.5
20H74SbBaPb	74	Sphere	SbBaPb	5.279005051	3.599730253	825.5	598.5
20H75SbBaPb	75	Irregular	SbBaPb	20.99739075	1.277463078	691.5	567.5
20H76Pb	76	Irregular	Pb	31.97060394	1.210958004	23	117.5
20H77SbPb	77	Cluster	SbPb	140.2791901	1.698471427	902.5	639.5
20H78SbPb	78	Irregular	SbPb	36.24126053	2.459797859	762	752.5
20H79SbPb	79	Irregular	SbPb	34.93633652	2.124046326	224.5	155.5
20H7SbPb	7	Irregular	SbPb	7.532962322	2.086497784	249.5	521.5
20H80SbPb	80	Irregular	SbPb	19.27726555	2.13656044	893	540.5
20H81Pb	81	Cluster	Pb	101.9025955	1.576958895	244.5	609.5
20H82SbPb	82	Irregular	SbPb	15.89633083	1.299662828	928	660.5
20H83Pb	83	Irregular	Pb	5.872151852	1.461154222	7	320.5

20H84Pb	84	Cluster	Pb	9.431032181	1.588134527	902	154.5
20H84SbPb	84	Cluster	SbPb	32.02991867	1.8485744	872	84.5
20H85SbPb	85	Cluster	SbPb	6.109410763	3.018489599	743.5	611.5
20H86SbPb	86	Irregular	SbPb	2.194642544	1.956254721	210.5	751.5
20H87SbPb	87	Cluster	SbPb	14.59140778	1.363211513	740	223.5
20H88Pb	88	Irregular	Pb	11.32910156	1.864971519	390.5	438.5
20H89Pb	89	Cluster	Pb	4.448599815	1.326639414	466	356.5
20H89SbPb	89	Cluster	SbPb	19.75178337	1.35096097	483.5	374.5
20H8SbPb	8	Irregular	SbPb	42.11341095	3.627176762	836	561.5
20H90SbPb	90	Irregular	SbPb	10.61732483	2.025471449	261.5	539.5
20H91SbPb	91	Cluster	SbPb	24.49695778	1.345751047	442	47.5
20H92Pb	92	Irregular	Pb	21.17533493	1.85251224	881	24.5
20H93Pb	93	Cluster	Pb	15.83701611	1.689887524	798.5	114.5
20H94Pb	94	Cluster	Pb	64.71230316	1.24464035	864	520.5
20H95Pb	95	Cluster	Pb	2.847104073	1.419065952	737	365.5
20H95SbPb	95	Cluster	SbPb	40.15602875	1.53047967	713	361.5
20H96Pb	96	Irregular	Pb	52.84936905	2.5232265	246	333.5
20H97Pb	97	Cluster	Pb	32.50443649	1.685839057	73	495.5
20H98Pb	98	Irregular	Pb	16.13358879	2.367635727	407.5	579.5
20H99Pb	99	Irregular	Pb	4.804487705	4.168391705	208	420.5
20H99SbPb	99	Irregular	SbPb	5.931466579	3.973755121	206	416.5
20H9SbBaPb	9	Sphere	SbBaPb	6.999130726	2.922381639	518	281.5
32H100Pb	100	Cluster	Pb	0.949034631	1.806607008	153.5	540.5
32H101Pb	101	Cluster	Pb	1.008349299	1.846298099	872	398.5
32H101SbPb	101	Cluster	SbPb	1.423552036	3.056222677	863.5	398.5
32H102BaPb	102	Cluster	BaPb	1.008349299	1.687298894	466.5	408.5
32H102Pb	102	Cluster	Pb	2.847104073	1.575728178	465.5	413.5
32H102SbPb	102	Cluster	SbPb	3.677509308	1.521119952	451	421.5
32H103Pb	103	Irregular	Pb	1.245607972	3.335418701	711.5	411.5
32H103SbPb	103	Irregular	SbPb	1.898069263	2.359519482	700.5	411.5

32H104Pb	104	Cluster	Pb	34.75839233	1.654887319	822	447.5
32H104SbPb	104	Cluster	SbPb	46.02817917	2.239295244	786.5	425.5
32H104Unclassified	104	Cluster	Unclassified	1.008349299	1.457727909	842	467.5
32H105Pb	105	Cluster	Pb	10.85458374	2.035613775	559.5	430.5
32H105SbBaPb	105	Cluster	SbBaPb	4.092711926	1.28917706	514.5	439.5
32H105SbPb	105	Cluster	SbPb	23.66655159	1.95339179	578	442.5
32H106Pb	106	Cluster	Pb	13.52374363	1.753743887	641.5	646.5
32H106SbPb	106	Cluster	SbPb	50.06157684	1.503798723	607	649.5
32H107SbBaPb	107	Irregular	SbBaPb	3.914767981	2.665456057	563	572.5
32H108Pb	108	Cluster	Pb	2.787789345	1.249992371	186.5	145.5
32H108SbPb	108	Cluster	SbPb	147.3969421	2.095532417	155	150.5
32H109Pb	109	Cluster	Pb	240.6989136	2.133508444	79	169.5
32H109SbPb	109	Cluster	SbPb	0.830405295	1.6007061	24	166.5
32H10SbPb	10	Cluster	SbPb	2.372586727	1.670493126	286	404.5
32H110SbPb	110	Irregular	SbPb	8.422682762	1.300245285	352.5	457.5
32H111Pb	111	Cluster	Pb	184.2906647	1.424346328	905.5	243.5
32H111SbPb	111	Cluster	SbPb	1.3049227	2.348917484	968	308.5
32H112Pb	112	Cluster	Pb	1.95738399	2.320290089	474.5	269.5
32H112SbBaPb	112	Cluster	SbBaPb	1.364237309	1.442175269	432.5	344.5
32H112SbPb	112	Cluster	SbPb	1.364237309	2.37002635	429	268.5
32H113Pb	113	Cluster	Pb	3.143677235	2.16726017	152.5	663.5
32H113SbPb	113	Cluster	SbPb	6.702557087	3.057200193	140.5	629.5
32H114Pb	114	Irregular	Pb	0.949034631	1.454641342	254	208.5
32H114SbPb	114	Irregular	SbPb	2.787789345	2.222831011	235.5	211.5
32H115Pb	115	Cluster	Pb	1.779439926	1.340127349	709.5	620.5
32H115SbPb	115	Cluster	SbPb	4.448599815	2.275852442	659.5	587.5
32H116Pb	116	Cluster	Pb	2.491215944	1.929935455	985.5	733.5
32H116SbPb	116	Cluster	SbPb	8.363368034	2.611164331	1002.5	735.5
32H116Unclassified	116	Cluster	Unclassified	5.57557869	2.897815466	1000.5	752.5
32H117Pb	117	Cluster	Pb	2.550530672	1.30820334	26.5	479.5

32H117SbPb	117	Cluster	SbPb	10.14280796	1.214015365	7	483.5
32H118SbPb	118	Irregular	SbPb	1.482866645	2.228127718	902	760.5
32H119SbPb	119	Irregular	SbPb	7.058445454	1.816151977	998.5	641.5
32H11Pb	11	Cluster	Pb	1.95738399	1.569100738	519.5	486.5
32H11SbPb	11	Cluster	SbPb	18.68412018	1.564033151	499.5	475.5
32H120Pb	120	Cluster	Pb	9.075143814	1.888611436	523	764.5
32H120SbPb	120	Cluster	SbPb	1.720125318	2.198618174	624	738.5
32H121SbBaPb	121	Irregular	SbBaPb	1.008349299	1.515086174	297	46.5
32H122SbPb	122	Cluster	SbPb	9.786919594	1.785319805	507.5	672.5
32H123SbPb	123	Irregular	SbPb	0.830405295	1.677051544	535.5	140.5
32H124SbPb	124	Cluster	SbPb	16.84536552	1.806058049	372.5	714.5
32H125Pb	125	Cluster	Pb	4.745173454	2.054930687	120	427.5
32H126SbBaPb	126	Sphere	SbBaPb	77.99878693	1.496776342	145.5	758.5
32H127SbPb	127	Irregular	SbPb	11.7443037	1.175548792	198	632.5
32H128SbBaPb	128	Sphere	SbBaPb	6.346669197	4.596333504	268.5	692.5
32H129Pb	129	Cluster	Pb	82.15081024	2.841801882	822	10.5
32H129SbPb	129	Cluster	SbPb	1.3049227	2.05395627	743.5	7.5
32H12Pb	12	Cluster	Pb	4.507914543	3.989464045	226.5	454.5
32H12SbPb	12	Cluster	SbPb	6.821186543	2.299739361	203	458.5
32H130SbBaPb	130	Irregular	SbBaPb	16.96399498	3.32490468	273.5	62.5
32H131Pb	131	Cluster	Pb	1.067664027	2.293715	30.5	241.5
32H131SbPb	131	Cluster	SbPb	3.202991962	2.336490393	114	300.5
32H132SbBaPb	132	Sphere	SbBaPb	1.482866645	1.340381145	335.5	406.5
32H133Pb	133	Cluster	Pb	13.4644289	1.956714153	487	256.5
32H133SbPb	133	Cluster	SbPb	19.51452446	2.112084866	496	233.5
32H134Pb	134	Irregular	Pb	9.371717453	1.197347283	132	665.5
32H135SbBaPb	135	Irregular	SbBaPb	14.71003723	1.56886375	10	309.5
32H136SbPb	136	Cluster	SbPb	16.25221825	1.361031175	676.5	754.5
32H137SbBaPb	137	Irregular	SbBaPb	4.626543999	3.883111477	927	723.5
32H138SbBaPb	138	Irregular	SbBaPb	6.405983925	1.530436516	710	474.5

32H139Pb	139	Irregular	Pb	8.304053307	1.420129776	664.5	483.5
32H13SbPb	13	Cluster	SbPb	3.26230669	2.137120724	722	517.5
32H140SbPb	140	Irregular	SbPb	17.31988335	1.223037243	789	55.5
32H141SbPb	141	Cluster	SbPb	8.066794395	1.800401211	550.5	111.5
32H142Cu	142	Cluster	Cu	6.52461338	2.071470976	150	90.5
32H142Pb	142	Cluster	Pb	90.98870087	2.203556061	161	75.5
32H142SbPb	142	Cluster	SbPb	1.423552036	1.708729506	138	49.5
32H143Pb	143	Cluster	Pb	6.050096035	1.873250842	638	383.5
32H144Pb	144	Cluster	Pb	3.202991962	1.977288127	52.5	294.5
32H144SbPb	144	Cluster	SbPb	6.52461338	1.807118893	35.5	291.5
32H145Pb	145	Cluster	Pb	6.405983925	2.374143124	574.5	101.5
32H146BaPb	146	Cluster	BaPb	1.126978636	1.581130981	282	338.5
32H146Pb	146	Cluster	Pb	3.202991962	2.557860374	332.5	141.5
32H146SbBaPb	146	Cluster	SbBaPb	2.491215944	1.731490254	96.5	210.5
32H146SbPb	146	Cluster	SbPb	31.14019966	3.901775599	150.5	181.5
32H147Pb	147	Cluster	Pb	96.86084747	1.511372566	314	435.5
32H147SbPb	147	Cluster	SbPb	1.720125318	2.270068407	336	393.5
32H148SbPb	148	Cluster	SbPb	23.19203377	1.670874834	108.5	309.5
32H149Pb	149	Cluster	Pb	2.135328054	3.062054157	514.5	703.5
32H149SbPb	149	Cluster	SbPb	5.634893417	2.029848814	440	727.5
32H14SbPb	14	Irregular	SbPb	9.727604866	2.608410597	650.5	555.5
32H150Pb	150	Cluster	Pb	2.253957272	1.22889924	410.5	339.5
32H150SbPb	150	Cluster	SbPb	235.7164764	2.027638912	501	351.5
32H151Pb	151	Cluster	Pb	1.95738399	10.88031673	570	194.5
32H151SbPb	151	Cluster	SbPb	1.423552036	1.711218953	495.5	247.5
32H152SbPb	152	Irregular	SbPb	10.4393816	1.841591358	735.5	214.5
32H153Pb	153	Cluster	Pb	2.313271999	1.792659163	621	329.5
32H153SbPb	153	Cluster	SbPb	4.033397198	2.315683365	599	367.5
32H154BaPb	154	Cluster	BaPb	10.38006687	2.157244444	12.5	759.5
32H155SbPb	155	Cluster	SbPb	24.61558723	1.755813718	139	41.5

32H156Pb	156	Irregular	Pb	1.126978636	1.515669823	863.5	681.5
32H157Pb	157	Cluster	Pb	2.906418562	1.408604026	190	419.5
32H157SbPb	157	Cluster	SbPb	12.87128258	2.086818457	165.5	408.5
32H158Pb	158	Cluster	Pb	4.685858727	2.915127277	886.5	151.5
32H158SbPb	158	Cluster	SbPb	68.21186829	1.13355577	864	91.5
32H159Pb	159	Cluster	Pb	9.015829086	1.186154962	27	492.5
32H159SbPb	159	Cluster	SbPb	4.745173454	1.868638039	34	478.5
32H15Pb	15	Cluster	Pb	1.779439926	1.641068935	236	583.5
32H15SbPb	15	Cluster	SbPb	1.838754654	1.343886614	247.5	581.5
32H160Pb	160	Cluster	Pb	1.482866645	1.442175269	650	156.5
32H160SbPb	160	Cluster	SbPb	1.245607972	1.476008654	646.5	148.5
32H161Pb	161	Irregular	Pb	1.838754654	1.846907616	259	237.5
32H161SbPb	161	Irregular	SbPb	1.008349299	1.965593934	247.5	236.5
32H162Pb	162	Irregular	Pb	2.787789345	1.944241881	136.5	315.5
32H162SbPb	162	Irregular	SbPb	14.47277832	1.566606641	156.5	319.5
32H163Pb	163	Cluster	Pb	0.889719963	1.346260071	359	186.5
32H163SbPb	163	Cluster	SbPb	1.3049227	2.015556335	341	135.5
32H164Pb	164	Cluster	Pb	14.82866669	2.672764778	675.5	193.5
32H164SbPb	164	Cluster	SbPb	2.906418562	1.229998827	739.5	158.5
32H165Pb	165	Irregular	Pb	0.830405295	3.319481611	208.5	6.5
32H165SbPb	165	Irregular	SbPb	4.507914543	2.650808096	205	0.5
32H166SbBaPb	166	Sphere	SbBaPb	9.134458542	3.028790951	680	140.5
32H167Pb	167	Cluster	Pb	2.253957272	1.795013428	933.5	677.5
32H167SbPb	167	Cluster	SbPb	1.186293364	2.225495815	966.5	650.5
32H168SbPb	168	Cluster	SbPb	61.98382568	1.256763339	649	396.5
32H169SbPb	169	Irregular	SbPb	1.008349299	1.646003842	535.5	118.5
32H16SbPb	16	Cluster	SbPb	11.7443037	1.320192695	176.5	583.5
32H170BaPb	170	Cluster	BaPb	0.830405295	1.34131968	813.5	186.5
32H170Pb	170	Cluster	Pb	26.57296944	1.761435747	924	108.5
32H170SbPb	170	Cluster	SbPb	77.76152802	1.542211413	842	98.5

32H171Pb	171	Cluster	Pb	76.21934509	1.733199239	298.5	95.5
32H172Pb	172	Cluster	Pb	8.541312218	2.14772439	887.5	689.5
32H172SbPb	172	Cluster	SbPb	22.5988884	1.936758041	866.5	720.5
32H173Pb	173	Cluster	Pb	11.98156261	2.438833237	467	756.5
32H173SbPb	173	Cluster	SbPb	1.601495981	2.797973633	512.5	764.5
32H174SbBaPb	174	Sphere	SbBaPb	29.12350082	1.863893151	824	118.5
32H175Pb	175	Irregular	Pb	1.482866645	6.044651508	964.5	157.5
32H176SbPb	176	Irregular	SbPb	3.32162118	1.624984741	2.5	591.5
32H177SbPb	177	Cluster	SbPb	1.008349299	1.086811781	329.5	317.5
32H178SbPb	178	Cluster	SbPb	10.38006687	2.328466177	966	346.5
32H179Pb	179	Cluster	Pb	1.66081059	1.637814999	911	665.5
32H17SbPb	17	Irregular	SbPb	9.015829086	1.426608086	495	576.5
32H180SbPb	180	Cluster	SbPb	2.372586727	1.46667707	449	395.5
32H181SbPb	181	Irregular	SbPb	4.152026653	1.211494327	250.5	220.5
32H182Pb	182	Cluster	Pb	2.016698599	2.44492054	96	558.5
32H183Pb	183	Cluster	Pb	24.67490005	1.447464228	283	25.5
32H183SbPb	183	Cluster	SbPb	1.008349299	5.039900303	293.5	12.5
32H184Pb	184	Cluster	Pb	5.397634506	1.699939489	656	356.5
32H184SbPb	184	Cluster	SbPb	38.73247528	1.649603963	643.5	325.5
32H185SbPb	185	Irregular	SbPb	2.728474617	1.582666755	397.5	373.5
32H186SbPb	186	Cluster	SbPb	9.253087997	2.336191416	323.5	466.5
32H187Pb	187	Cluster	Pb	1.838754654	1.577247739	398	508.5
32H188Pb	188	Cluster	Pb	2.728474617	1.835668087	470.5	595.5
32H188SbPb	188	Cluster	SbPb	2.135328054	1.389051676	523	588.5
32H189Pb	189	Cluster	Pb	1.008349299	1.794232011	569.5	642.5
32H189SbPb	189	Cluster	SbPb	3.202991962	2.84641242	579.5	669.5
32H18SbPb	18	Cluster	SbPb	15.77770138	2.692679644	486	644.5
32H190SbPb	190	Cluster	SbPb	5.694208145	5.344419479	192	540.5
32H191SbPb	191	Cluster	SbPb	52.49348068	1.172791004	25	687.5
32H192Pb	192	Cluster	Pb	0.949034631	1.66673243	311.5	744.5

32H192SbBaPb	192	Cluster	SbBaPb	3.202991962	3.112242222	257	727.5
32H192SbPb	192	Cluster	SbPb	1.66081059	1.226250768	287.5	665.5
32H193SbPb	193	Irregular	SbPb	13.99826145	1.657777071	131	67.5
32H194SbPb	194	Irregular	SbPb	10.38006687	1.757805705	94	115.5
32H195Pb	195	Irregular	Pb	1.601495981	2.096126318	699.5	536.5
32H196Pb	196	Cluster	Pb	4.389285088	4.709918499	949	748.5
32H196SbPb	196	Cluster	SbPb	2.253957272	3.14730835	942	723.5
32H197Pb	197	Cluster	Pb	3.26230669	4.010194302	919.5	767.5
32H197SbPb	197	Cluster	SbPb	1.245607972	2.514516592	865.5	763.5
32H198Pb	198	Cluster	Pb	1.186293364	1.687199712	694.5	14.5
32H198SbPb	198	Cluster	SbPb	6.346669197	1.636191607	673	4.5
32H199Pb	199	Cluster	Pb	5.57557869	2.297517538	317.5	311.5
32H199SbBaPb	199	Cluster	SbBaPb	3.084362507	1.772578597	208	459.5
32H199SbPb	199	Cluster	SbPb	1.542181253	2.438588142	269	358.5
32H19SbPb	19	Cluster	SbPb	2.016698599	2.76924324	397.5	646.5
32H1SbPb	1	Irregular	SbPb	2.016698599	2.810933828	875	579.5
32H20SbPb	20	Irregular	SbPb	1.008349299	1.988587618	440.5	658.5
32H21Pb	21	Cluster	Pb	32.62306595	1.378159404	461.5	706.5
32H22Pb	22	Cluster	Pb	6.583928108	1.796677589	663	713.5
32H23SbPb	23	Irregular	SbPb	1.126978636	1.440806389	633.5	722.5
32H24Pb	24	Cluster	Pb	2.6098454	2.721365452	992	199.5
32H25Pb	25	Cluster	Pb	6.346669197	1.74438858	653	273.5
32H25SbPb	25	Cluster	SbPb	10.79526901	1.623016834	674.5	255.5
32H26SbPb	26	Cluster	SbPb	6.702557087	2.405118942	342.5	53.5
32H27SbPb	27	Cluster	SbPb	1.008349299	1.876946211	667	135.5
32H28Pb	28	Cluster	Pb	1.898069263	1.788908005	523.5	149.5
32H29SbPb	29	Irregular	SbPb	2.669159889	3.703373432	285.5	167.5
32H2Pb	2	Cluster	Pb	167.6825562	1.844659925	759	603.5
32H2SbPb	2	Cluster	SbPb	2.491215944	1.978941202	713	575.5
32H30Pb	30	Cluster	Pb	1.66081059	1.43938303	571	240.5

32H30SbPb	30	Cluster	SbPb	2.135328054	1.797180176	558	238.5
32H31SbPb	31	Cluster	SbPb	2.313271999	1.967747569	770	383.5
32H32Pb	32	Irregular	Pb	1.601495981	3.230551481	305.5	411.5
32H32SbPb	32	Irregular	SbPb	2.194642544	1.525749207	320.5	419.5
32H33BaPb	33	Cluster	BaPb	2.076013327	2.358039618	831.5	747.5
32H33Pb	33	Cluster	Pb	2.076013327	3.418962479	213	426.5
32H33SbBaPb	33	Cluster	SbBaPb	0.949034631	1.409006476	513.5	593.5
32H33SbPb	33	Cluster	SbPb	2.96573329	1.851340771	514.5	444.5
32H34Pb	34	Cluster	Pb	0.949034631	1.883423448	930	480.5
32H34SbPb	34	Cluster	SbPb	3.143677235	2.378354788	861	513.5
32H35Pb	35	Cluster	Pb	2.906418562	1.276654005	923	221.5
32H35SbPb	35	Cluster	SbPb	0.889719963	1.299539208	910.5	221.5
32H36SbPb	36	Irregular	SbPb	10.49869537	1.407070637	395	271.5
32H37SbPb	37	Cluster	SbPb	11.98156261	2.2724967	771.5	493.5
32H38BaPb	38	Cluster	BaPb	3.202991962	2.127162218	877.5	438.5
32H38Pb	38	Cluster	Pb	1.3049227	1.998139262	587.5	3.5
32H38SbBaPb	38	Cluster	SbBaPb	2.96573329	1.36331284	766	328.5
32H38SbPb	38	Cluster	SbPb	2.787789345	3.05836916	571.5	2.5
32H39Pb	39	Cluster	Pb	8.778570175	2.827018261	579.5	283.5
32H38Unclassified	38	Cluster	Unclassified	3.084362507	1.477172256	907.5	286.5
32H39SbPb	39	Cluster	SbPb	9.905549049	1.978338122	569.5	271.5
32H39Pb	39	Cluster	Pb	2.016698599	2.007198811	574.5	256.5
32H39SbPb	39	Cluster	SbPb	8.185423851	1.601621747	558.5	249.5
32H40Pb	40	Cluster	Pb	10.91389847	1.620019794	322.5	517.5
32H3SbPb	3	Cluster	SbPb	11.56635952	1.383805513	43.5	273.5
32H40SbPb	40	Cluster	SbPb	5.2196908	1.753888369	293	519.5
32H40Pb	40	Cluster	Pb	49.29048538	1.779288054	335.5	497.5
32H40SbPb	40	Cluster	SbPb	1.364237309	2.003211021	308.5	512.5
32H42SbPb	42	Cluster	SbPb	1.66081059	1.201848388	629.5	376.5
32H41Pb	41	Irregular	Pb	9.786919594	2.64593029	438.5	580.5

32H42SbPb	42	Cluster	SbPb	7.295703888	1.870368481	588	374.5
32H43SbPb	43	Cluster	SbPb	1.3049227	2.574066162	494.5	289.5
32H43Pb	43	Cluster	Pb	3.855453253	1.80997777	525	288.5
32H43SbPb	43	Cluster	SbPb	8.956514359	1.539388537	509	287.5
32H45Pb	45	Cluster	Pb	14.59140778	1.871767521	967.5	327.5
32H44Pb	44	Cluster	Pb	16.72673607	1.836071849	486.5	38.5
32H45SbPb	45	Cluster	SbPb	54.2729187	2.090879679	995.5	353.5
32H45Pb	45	Cluster	Pb	45.73160553	2.020229101	1006	276.5
32H45SbPb	45	Cluster	SbPb	2.728474617	1.129879713	3.5	40.5
32H46SbPb	46	Cluster	SbPb	0.889719963	2.16181159	496.5	538.5
32H46Pb	46	Cluster	Pb	1.482866645	1.719585061	482.5	550.5
32H47Pb	47	Cluster	Pb	0.949034631	1.57920897	65	439.5
32H46SbPb	46	Cluster	SbPb	211.33815	1.266674757	419.5	596.5
32H47SbPb	47	Cluster	SbPb	1.008349299	4.134297371	74	382.5
32H47Pb	47	Cluster	Pb	48.46008301	1.52719295	84	434.5
32H48Pb	48	Cluster	Pb	4.329970837	1.185245872	4	157.5
32H47SbPb	47	Cluster	SbPb	17.26056862	1.78305912	91.5	389.5
32H48SbPb	48	Cluster	SbPb	2.253957272	1.624230504	5	142.5
32H48Pb	48	Cluster	Pb	22.65820313	1.841051698	25.5	152.5
32H49Pb	49	Cluster	Pb	24.91215897	1.339434385	633.5	187.5
32H48SbPb	48	Cluster	SbPb	2.669159889	1.416938066	11	135.5
32H49SbPb	49	Cluster	SbPb	1.542181253	1.269246459	662	185.5
32H49Pb	49	Cluster	Pb	4.923117161	1.829182506	659	164.5
32H4Pb	4	Cluster	Pb	1.067664027	2.50963068	270.5	22.5
32H49SbPb	49	Cluster	SbPb	23.36997795	3.04740262	636	174.5
32H4SbPb	4	Cluster	SbPb	9.60897541	1.810113549	256	48.5
32H4Pb	4	Cluster	Pb	4.507914543	3.646237612	240	22.5
32H4SbPb	4	Cluster	SbPb	1.779439926	1.961937666	252.5	36.5
32H50Pb	50	Irregular	Pb	4.211341381	1.272545338	180	622.5
32H51Pb	51	Cluster	Pb	7.829535961	2.874985933	845	714.5

32H51SbPb	51	Cluster	SbPb	5.812837124	1.479307413	855	720.5
32H53Pb	53	Irregular	Pb	0.889719963	2.127857924	709.5	413.5
32H52SbPb	52	Irregular	SbPb	3.855453253	4.176504135	1016	167.5
32H53Pb	53	Irregular	Pb	1.601495981	1.453796864	722.5	409.5
32H54Pb	54	Cluster	Pb	19.33658028	2.770765781	819.5	649.5
32H54SbPb	54	Cluster	SbPb	1.186293364	1.656675935	805	651.5
32H55Pb	55	Irregular	Pb	11.26978683	2.026252508	498	684.5
32H57Pb	57	Cluster	Pb	0.949034631	1.43795836	427.5	373.5
32H56SbPb	56	Cluster	SbPb	9.134458542	2.718616247	256	285.5
32H57SbPb	57	Cluster	SbPb	5.990781307	1.81975162	393.5	440.5
32H57Pb	57	Cluster	Pb	160.3275452	1.51362896	371	438.5
32H58SbBaPb	58	Irregular	SbBaPb	12.87128258	2.360610485	201.5	145.5
32H57SbPb	57	Cluster	SbPb	4.745173454	2.543746948	368	381.5
32H58SbBaPb	58	Irregular	SbBaPb	8.363368034	1.428365231	209	130.5
32H59SbPb	59	Cluster	SbPb	0.889719963	2.039578676	964	146.5
32H59Pb	59	Cluster	Pb	0.830405295	1.927789807	917.5	190.5
32H59SbPb	59	Cluster	SbPb	107.3595428	1.627931476	930.5	163.5
32H60Pb	60	Cluster	Pb	1.364237309	1.612438917	600.5	430.5
32H5Pb	5	Irregular	Pb	3.914767981	2.586912632	353	24.5
32H60Pb	60	Cluster	Pb	13.28648472	1.642605186	617	422.5
32H60SbPb	60	Cluster	SbPb	1.245607972	2.572192907	625	467.5
32H61Pb	61	Cluster	Pb	4.448599815	3.458512306	969.5	484.5
32H62SbBaPb	62	Sphere	SbBaPb	12.98991203	1.212671638	672.5	740.5
32H63SbBaPb	63	Irregular	SbBaPb	46.62132645	2.655071974	710.5	253.5
32H65Pb	65	Cluster	Pb	1.126978636	4.161701202	336.5	597.5
32H64Pb	64	Irregular	Pb	18.50617599	1.869650245	192.5	709.5
32H65SbPb	65	Cluster	SbPb	5.279005051	1.759170771	250	518.5
32H65Pb	65	Cluster	Pb	2.253957272	1.978261113	331.5	552.5
32H65SbPb	65	Cluster	SbPb	339.0426331	1.947657466	306	492.5
32H66SbBaPb	66	Irregular	SbBaPb	2.491215944	1.345404863	207	476.5

32H66SbPb	66	Irregular	SbPb	1.66081059	1.411000848	199.5	477.5
32H68SbPb	68	Cluster	SbPb	5.990781307	2.810652018	975.5	359.5
32H67SbBaPb	67	Sphere	SbBaPb	8.185423851	3.856380701	934.5	256.5
32H69SbBaPb	69	Sphere	SbBaPb	8.956514359	3.105826378	352.5	179.5
32H68SbPb	68	Cluster	SbPb	1.838754654	1.534057736	980.5	326.5
32H6Pb	6	Cluster	Pb	7.23638916	1.628151417	383.5	60.5
32H69SbBaPb	69	Sphere	SbBaPb	2.253957272	3.196466923	354.5	171.5
32H70Pb	70	Cluster	Pb	1.838754654	1.321455836	97	189.5
32H6Pb	6	Cluster	Pb	4.923117161	1.323557734	366.5	55.5
32H70SbPb	70	Cluster	SbPb	2.669159889	1.620805979	47	139.5
32H70Pb	70	Cluster	Pb	1.95738399	1.393826127	4	136.5
32H70SbPb	70	Cluster	SbPb	59.96712875	1.822063088	78	151.5
32H71SbPb	71	Cluster	SbPb	13.82031727	4.788741112	938.5	210.5
32H71Pb	71	Cluster	Pb	3.084362507	2.988095522	955.5	183.5
32H71SbPb	71	Cluster	SbPb	2.847104073	2.944456816	954.5	169.5
32H73SbBaPb	73	Cluster	SbBaPb	6.52461338	1.976373553	363	276.5
32H72Pb	72	Irregular	Pb	15.00661087	1.795136809	355	256.5
32H73SbBaPb	73	Cluster	SbBaPb	5.516263962	1.953162909	340.5	275.5
32H73SbPb	73	Cluster	SbPb	2.076013327	2.335188389	327.5	277.5
32H74SbPb	74	Cluster	SbPb	2.787789345	3.377138615	689.5	753.5
32H74Pb	74	Cluster	Pb	1.482866645	4.03012991	857.5	5.5
32H75Pb	75	Cluster	Pb	2.728474617	1.328184009	231	190.5
32H74SbPb	74	Cluster	SbPb	3.974082708	2.991661549	669.5	762.5
32H75SbPb	75	Cluster	SbPb	6.821186543	1.726441145	219.5	185.5
32H75Pb	75	Cluster	Pb	10.32075214	1.303419709	204	180.5
32H75SbPb	75	Cluster	SbPb	22.00574112	1.268906951	210	125.5
32H76Pb	76	Cluster	Pb	32.97895432	2.995290756	132	19.5
32H77Pb	77	Cluster	Pb	2.6098454	1.84684813	184.5	186.5
32H76SbPb	76	Cluster	SbPb	1.542181253	2.019466877	71.5	0.5
32H77Pb	77	Cluster	Pb	2.96573329	1.351084828	184.5	171.5

32H78Pb	78	Cluster	Pb	1.720125318	1.201853395	51	669.5
32H77SbPb	77	Cluster	SbPb	1.186293364	1.340406418	171.5	173.5
32H78Pb	78	Cluster	Pb	5.160376072	1.632860541	67.5	626.5
32H78SbPb	78	Cluster	SbPb	2.076013327	1.74778688	76	646.5
32H78SbBaPb	78	Cluster	SbBaPb	3.796138525	1.717504621	72	664.5
32H79Pb	79	Cluster	Pb	19.45520973	1.226742506	714	474.5
32H78SbPb	78	Cluster	SbPb	20.34493065	1.42938149	52	644.5
32H79SbPb	79	Cluster	SbPb	5.516263962	1.358396888	710	464.5
32H79Pb	79	Cluster	Pb	80.19342804	1.512512565	744	455.5
32H7Pb	7	Cluster	Pb	2.96573329	1.733557224	436.5	247.5
32H79SbPb	79	Cluster	SbPb	4.982431889	2.019171953	735.5	429.5
32H7Pb	7	Cluster	Pb	2.6098454	1.45671463	482	246.5
32H80Pb	80	Cluster	Pb	1.95738399	1.860830903	202.5	429.5
32H7SbPb	7	Cluster	SbPb	0.889719963	2.410756826	452	247.5
32H80SbPb	80	Cluster	SbPb	5.397634506	1.262738705	236	434.5
32H80Pb	80	Cluster	Pb	50.00226212	1.332203388	245	415.5
32H81Pb	81	Cluster	Pb	12.75265312	1.720525146	893	100.5
32H80SbPb	80	Cluster	SbPb	9.668290138	1.432647943	220.5	435.5
32H81Pb	81	Cluster	Pb	5.872151852	1.795671821	863.5	79.5
32H81SbPb	81	Cluster	SbPb	6.999130726	3.213959932	862.5	68.5
32H82Pb	82	Cluster	Pb	13.16785622	2.107471704	689.5	602.5
32H82SbPb	82	Cluster	SbPb	2.787789345	3.339313507	670	610.5
32H83SbBaPb	83	Sphere	SbBaPb	23.36997795	1.750888348	226	200.5
32H84SbPb	84	Irregular	SbPb	7.058445454	1.579478025	471	571.5
32H85SbPb	85	Cluster	SbPb	25.2087326	2.08620739	652.5	32.5
32H85Pb	85	Cluster	Pb	1.601495981	1.642870188	665	51.5
32H86Pb	86	Cluster	Pb	2.372586727	2.647657394	227	311.5
32H85SbPb	85	Cluster	SbPb	6.050096035	1.999174595	674.5	22.5
32H86SbPb	86	Cluster	SbPb	1.3049227	1.130519867	256	330.5
32H86Pb	86	Cluster	Pb	16.90468025	1.701057076	98	301.5

32H87Pb	87	Cluster	Pb	27.40337563	1.472469926	593.5	559.5
32H86SbPb	86	Cluster	SbPb	8.007479668	1.270893574	77	331.5
32H87SbPb	87	Cluster	SbPb	5.931466579	2.450292587	644.5	617.5
32H87Pb	87	Cluster	Pb	7.532962322	1.613645554	623.5	526.5
32H88Pb	88	Cluster	Pb	27.40337563	1.851388574	447.5	422.5
32H87SbPb	87	Cluster	SbPb	27.64063454	2.296518087	620.5	545.5
32H89Pb	89	Cluster	Pb	3.855453253	1.357229471	137.5	217.5
32H88Pb	88	Cluster	Pb	1.482866645	1.698283792	447	386.5
32H89SbPb	89	Cluster	SbPb	9.431032181	1.423850536	129	203.5
32H89Pb	89	Cluster	Pb	2.076013327	1.568333149	149.5	205.5
32H89SbPb	89	Cluster	SbPb	12.75265312	2.585937023	109.5	184.5
32H8SbPb	8	Cluster	SbPb	3.677509308	1.643511415	211.5	337.5
32H8Pb	8	Cluster	Pb	23.72586632	2.49618268	230.5	316.5
32H8SbPb	8	Cluster	SbPb	61.03479004	2.093136787	262	330.5
32H91Pb	91	Cluster	Pb	29.77596283	1.559250474	218	182.5
32H90SbBaPb	90	Sphere	SbBaPb	6.583928108	3.199123144	939.5	508.5
32H91SbPb	91	Cluster	SbPb	0.949034631	1.383817554	370	141.5
32H91Pb	91	Cluster	Pb	3.084362507	1.686757326	379.5	154.5
32H91SbPb	91	Cluster	SbPb	112.2826614	2.776734114	361.5	175.5
32H92Pb	92	Cluster	Pb	3.61819458	2.237894535	789.5	420.5
32H91Unclassified	91	Cluster	Unclassified	1.423552036	1.889922619	393.5	224.5
32H92SbPb	92	Cluster	SbPb	1.008349299	2.402028322	753.5	438.5
32H92Pb	92	Cluster	Pb	11.26978683	1.798278809	770.5	427.5
32H92SbPb	92	Cluster	SbPb	8.778570175	2.386940718	756.5	408.5
32H93Pb	93	Cluster	Pb	18.74343491	1.756709099	826.5	258.5
32H94Pb	94	Irregular	Pb	1.126978636	1.555887103	81.5	58.5
32H96Pb	96	Cluster	Pb	1.423552036	1.266120791	822	310.5
32H95SbPb	95	Cluster	SbPb	18.20960236	1.718771696	375.5	226.5
32H96SbPb	96	Cluster	SbPb	5.57557869	2.153903723	803.5	348.5
32H96Pb	96	Cluster	Pb	8.422682762	1.450733662	806.5	316.5

32H97SbPb	97	Cluster	SbPb	2.076013327	2.048817396	941.5	453.5
32H96SbPb	96	Cluster	SbPb	3.796138525	1.731380939	835	302.5
32H97SbPb	97	Cluster	SbPb	21.64985275	1.841261387	927.5	446.5
32H98Pb	98	Irregular	Pb	3.025048018	2.148408175	793	596.5
32H99SbBaPb	99	Irregular	SbBaPb	58.30631638	1.844156623	895.5	485.5
32H98SbPb	98	Irregular	SbPb	1.720125318	2.309496641	785.5	609.5
32H99SbBaPb	99	Irregular	SbBaPb	2.6098454	3.008682728	889.5	477.5
32H9SbPb	9	Irregular	SbPb	11.09184265	2.305001974	778	324.5
32H9Pb	9	Irregular	Pb	1.838754654	4.40348959	791.5	324.5
32H9SbPb	9	Irregular	SbPb	1.245607972	4.477964401	775	310.5
8H1Pb	1	Irregular	Pb	8.541312218	1.744260907	404.5	572.5
15H1SbPb	1	Cluster	SbPb	3.499565363	2.539149284	187.5	540.5
34F1Pb	1	Irregular	Pb	1.126978636	3.604584932	30	378.5
34F1SbPb	1	Irregular	SbPb	2.550530672	1.847932458	20	380.5
34H10Pb	10	Cluster	Pb	3.736824036	2.295465231	914	609.5
34H10SbPb	10	Cluster	SbPb	5.990781307	2.124042273	908.5	624.5
34H11Pb	11	Irregular	Pb	2.076013327	2.146925211	954.5	382.5
34H11SbPb	11	Irregular	SbPb	0.830405295	2.389400721	941	383.5
34H12SbBaPb	12	Sphere	SbBaPb	11.50704479	2.519863129	309	755.5
34H13Pb	13	Cluster	Pb	10.26143742	2.731292725	1015	591.5
34H14SbPb	14	Cluster	SbPb	3.26230669	2.02088666	847	352.5
34H15SbPb	15	Irregular	SbPb	3.677509308	3.334987164	4.5	442.5
34H16Pb	16	Irregular	Pb	2.194642544	1.832539678	925.5	560.5
34H16SbPb	16	Irregular	SbPb	2.491215944	1.882214546	915.5	559.5
34H17Pb	17	Irregular	Pb	1.008349299	2.995954514	898	161.5
34H17SbPb	17	Irregular	SbPb	1.3049227	2.554406166	889	154.5
34H18Pb	18	Cluster	Pb	18.32823181	1.382701159	1000	140.5
34H18SbPb	18	Cluster	SbPb	2.491215944	1.388372064	1016	97.5
34H1SbPb	1	Cluster	SbPb	19.92972755	2.22074151	146	49.5
34H2SbPb	2	Cluster	SbPb	2.372586727	1.812151551	145	100.5

34H3SbBaPb	3	Cluster	SbBaPb	8.007479668	2.11030364	659.5	656.5
34H4Pb	4	Cluster	Pb	3.61819458	1.590205193	881.5	589.5
34H5SbPb	5	Cluster	SbPb	5.990781307	1.965371966	735	370.5
34H6Pb	6	Irregular	Pb	1.008349299	2.412063122	260.5	92.5
34H6SbPb	6	Irregular	SbPb	2.076013327	1.432158709	250.5	100.5
34H7SbPb	7	Cluster	SbPb	36.53783417	1.403066278	44	78.5
34H8SbPb	8	Cluster	SbPb	8.48199749	2.316792488	439.5	672.5
34H9SbPb	9	Irregular	SbPb	1.601495981	1.719334126	891.5	258.5
16H1Pb	1	Cluster	Pb	30.66568184	2.192578793	581.5	737.5
43H10Pb	10	Cluster	Pb	11.21047211	1.68080318	629.5	357.5
43H10SbPb	10	Cluster	SbPb	3.380935907	2.00831008	634	344.5
43H11SbPb	11	Irregular	SbPb	3.974082708	3.539499998	383	715.5
43H12Pb	12	Irregular	Pb	7.355018616	2.03610754	445.5	397.5
43H13SbPb	13	Cluster	SbPb	21.1160202	1.958773494	238.5	711.5
43H14SbPb	14	Irregular	SbPb	3.440250635	2.49143815	515	326.5
43H15SbPb	15	Irregular	SbPb	10.73595428	1.399843812	65	230.5
43H16Pb	16	Cluster	Pb	13.10854149	2.021524906	803.5	143.5
43H17SbPb	17	Cluster	SbPb	22.30231476	1.777700782	981	183.5
43H18BaPb	18	Cluster	BaPb	1.423552036	1.708564401	133	74.5
43H18Pb	18	Cluster	Pb	12.10019207	1.362314463	141	105.5
43H18SbPb	18	Cluster	SbPb	5.990781307	1.704204321	111	76.5
43H19Pb	19	Cluster	Pb	0.889719963	2.207886219	113	273.5
43H19SbBaPb	19	Cluster	SbBaPb	1.364237309	1.892136574	84.5	306.5
43H19SbPb	19	Cluster	SbPb	10.0241785	1.509812832	86.5	276.5
43H1Pb	1	Cluster	Pb	3.380935907	2.487775087	523.5	354.5
43H20SbPb	20	Cluster	SbPb	5.338319778	1.673556685	598.5	14.5
43H21SbPb	21	Irregular	SbPb	1.423552036	1.341638207	2.5	249.5
43H22Pb	22	Irregular	Pb	1.601495981	2.06886816	211	19.5
43H23SbBaPb	23	Irregular	SbBaPb	15.65907192	2.483351707	54	639.5
43H24SbPb	24	Cluster	SbPb	10.20212269	1.24549222	59.5	248.5

43H25Pb	25	Irregular	Pb	1.779439926	1.529963136	233	172.5
43H25SbPb	25	Irregular	SbPb	1.779439926	1.470785975	224.5	180.5
43H26Pb	26	Irregular	Pb	4.033397198	1.718814611	468	74.5
43H26SbPb	26	Irregular	SbPb	1.66081059	2.105774403	458.5	70.5
43H27Pb	27	Irregular	Pb	3.61819458	3.055967331	476.5	578.5
43H27SbPb	27	Irregular	SbPb	4.685858727	3.820882559	470.5	543.5
43H28SbBaPb	28	Sphere	SbBaPb	73.31292725	1.314255714	1007	715.5
43H29SbPb	29	Irregular	SbPb	5.101061344	2.154876709	587.5	428.5
43H2Pb	2	Sphere	Pb	5.338319778	4.204651833	655.5	479.5
43H30Pb	30	Cluster	Pb	3.677509308	2.863115788	129.5	368.5
43H31Pb	31	Cluster	Pb	1.95738399	1.713684678	640.5	186.5
43H31SbBaPb	31	Cluster	SbBaPb	0.949034631	2.825320721	632	184.5
43H31SbPb	31	Cluster	SbPb	4.745173454	1.476451874	625.5	191.5
43H32Pb	32	Cluster	Pb	6.583928108	1.902765632	254.5	540.5
43H33Pb	33	Irregular	Pb	2.550530672	3.013990164	355	154.5
43H34Pb	34	Cluster	Pb	2.96573329	1.912742376	302	158.5
43H34SbPb	34	Cluster	SbPb	2.491215944	1.50983572	290.5	156.5
43H35SbPb	35	Cluster	SbPb	13.93894672	2.186365128	985.5	199.5
43H36Pb	36	Cluster	Pb	0.949034631	2.494532585	142	2.5
43H36SbBaPb	36	Cluster	SbBaPb	3.440250635	1.323056102	128.5	2.5
43H36SbPb	36	Cluster	SbPb	58.24700165	2.532943487	108.5	30.5
43H37Pb	37	Cluster	Pb	0.830405295	3.115722656	935	98.5
43H37SbPb	37	Cluster	SbPb	3.796138525	1.446745872	901.5	17.5
43H38SbPb	38	Irregular	SbPb	3.143677235	1.28531611	4.5	302.5
43H39SbPb	39	Cluster	SbPb	19.51452446	1.343974352	27	639.5
43H3SbPb	3	Cluster	SbPb	1.008349299	6.662825108	835	597.5
43H4SbPb	4	Irregular	SbPb	0.889719963	1.765474081	482.5	267.5
43H5SbBaPb	5	Irregular	SbBaPb	4.211341381	1.322381735	703.5	560.5
43H6Pb	6	Cluster	Pb	2.669159889	2.695199251	370	296.5
43H6SbPb	6	Cluster	SbPb	18.0909729	1.147815585	365.5	286.5

43H7Pb	7	Cluster	Pb	5.931466579	2.693229198	892	714.5
43H7SbPb	7	Cluster	SbPb	28.88624191	1.341399431	902	699.5
43H8Pb	8	Irregular	Pb	1.186293364	2.61256218	598	67.5
43H8SbPb	8	Irregular	SbPb	0.830405295	3.198722363	597.5	62.5
43H9SbPb	9	Cluster	SbPb	12.04087734	2.152088642	890.5	530.5
24H1SbPb	1	Irregular	SbPb	1.482866645	2.146886587	868.5	508.5
45H100Pb	100	Cluster	Pb	3.855453253	2.212958097	666.5	116.5
45H100SbPb	100	Cluster	SbPb	18.32823181	1.952199578	659	142.5
45H101Pb	101	Cluster	Pb	1.482866645	1.201845765	373.5	718.5
45H101SbBaPb	101	Cluster	SbBaPb	4.923117161	2.344213486	362.5	687.5
45H101SbPb	101	Cluster	SbPb	3.499565363	2.451983213	332.5	671.5
45H102Pb	102	Cluster	Pb	15.71838665	1.897793293	105	668.5
45H102SbPb	102	Cluster	SbPb	1.186293364	3.307672501	80.5	619.5
45H103SbBaPb	103	Sphere	SbBaPb	1.067664027	1.894477606	136.5	15.5
45H104SbPb	104	Cluster	SbPb	10.91389847	1.929840326	252.5	161.5
45H105Pb	105	Cluster	Pb	5.160376072	2.751304626	3.5	229.5
45H106SbPb	106	Cluster	SbPb	5.397634506	1.596971035	886.5	349.5
45H107Pb	107	Cluster	Pb	8.007479668	1.933781743	842	421.5
45H107SbPb	107	Cluster	SbPb	1.364237309	1.808812499	867.5	413.5
45H108BaPb	108	Cluster	BaPb	1.364237309	2.022491217	252	365.5
45H108Pb	108	Cluster	Pb	1.126978636	1.898971677	307	258.5
45H108SbBaPb	108	Cluster	SbBaPb	1.245607972	1.437957525	267	342.5
45H108SbPb	108	Cluster	SbPb	53.50182724	2.552336216	252.5	276.5
45H109Pb	109	Cluster	Pb	25.74256516	1.136652708	128.5	359.5
45H109SbBaPb	109	Cluster	SbBaPb	1.008349299	2.71728611	103	418.5
45H109SbPb	109	Cluster	SbPb	15.24386883	2.424852371	92.5	396.5
45H109Unclassified	109	Cluster	Unclassified	2.787789345	2.592341185	143	429.5
45H10SbPb	10	Irregular	SbPb	1.126978636	2.252963543	774.5	538.5
45H110Pb	110	Cluster	Pb	0.830405295	1.577148199	82	81.5
45H110SbBaPb	110	Cluster	SbBaPb	1.423552036	1.99814117	62.5	81.5

45H110SbPb	110	Cluster	SbPb	1.482866645	1.424640059	55.5	16.5
45H111BaPb	111	Cluster	BaPb	3.202991962	1.321002841	170.5	235.5
45H111Pb	111	Cluster	Pb	1.067664027	1.450523496	212.5	116.5
45H111SbBaPb	111	Cluster	SbBaPb	1.423552036	1.410039306	190	115.5
45H111SbPb	111	Cluster	SbPb	1.364237309	1.442175269	200.5	117.5
45H112Pb	112	Irregular	Pb	2.313271999	1.923054099	359.5	473.5
45H11SbBaPb	11	Irregular	SbBaPb	0.889719963	2.108174562	926.5	303.5
45H11SbPb	11	Irregular	SbPb	2.253957272	1.934112072	919	302.5
45H12Pb	12	Cluster	Pb	1.126978636	2.040968657	419	221.5
45H13Pb	13	Cluster	Pb	385.8418884	1.673736215	66.5	238.5
45H13SbPb	13	Cluster	SbPb	0.949034631	1.372083902	136	182.5
45H13Unclassified	13	Cluster	Unclassified	0.830405295	1.590941787	165	369.5
45H14Pb	14	Cluster	Pb	1.245607972	1.842094779	579.5	71.5
45H14SbPb	14	Cluster	SbPb	8.600626945	1.873269796	598.5	76.5
45H15SbBa	15	Sphere	SbBa	2.669159889	1.465566635	655.5	55.5
45H15SbBaPb	15	Sphere	SbBaPb	1.245607972	1.811050892	531.5	760.5
45H16SbPb	16	Cluster	SbPb	2.847104073	1.539774537	4	3.5
45H17SbPb	17	Cluster	SbPb	2.135328054	1.404302478	97	21.5
45H18SbPb	18	Cluster	SbPb	1.008349299	1.575309157	61	41.5
45H19SbPb	19	Cluster	SbPb	4.626543999	1.135228753	5	100.5
45H1Pb	1	Cluster	Pb	19.75178337	1.647054434	324.5	179.5
45H1Unclassified	1	Cluster	Unclassified	3.025048018	1.405449748	306.5	176.5
45H20Pb	20	Cluster	Pb	1.423552036	1.280609131	34.5	212.5
45H20SbPb	20	Cluster	SbPb	2.016698599	1.426662087	3	192.5
45H21Pb	21	Irregular	Pb	1.364237309	2.941444635	11	307.5
45H22SbPb	22	Cluster	SbPb	38.13933182	2.448031664	42.5	376.5
45H23SbPb	23	Cluster	SbPb	1.067664027	1.89363873	988.5	118.5
45H24SbPb	24	Cluster	SbPb	4.745173454	1.870459318	1012	251.5
45H25Pb	25	Cluster	Pb	3.084362507	2.337822437	921.5	334.5
45H25SbPb	25	Cluster	SbPb	6.405983925	1.833055258	884	360.5

45H26SbPb	26	Cluster	SbPb	1.3049227	2.1392591	1011.5	337.5
45H27Pb	27	Cluster	Pb	1.779439926	1.407166719	944	463.5
45H27SbBaPb	27	Cluster	SbBaPb	0.889719963	1.457727432	933	484.5
45H27SbPb	27	Cluster	SbPb	2.6098454	3.592858076	997.5	389.5
45H28Pb	28	Cluster	Pb	4.270656109	1.425607443	768	527.5
45H28SbPb	28	Cluster	SbPb	8.541312218	2.369019985	786.5	515.5
45H29Pb	29	Cluster	Pb	1.482866645	1.442187548	917.5	659.5
45H29SbPb	29	Cluster	SbPb	3.499565363	1.656639338	933	651.5
45H2SbPb	2	Cluster	SbPb	1.3049227	1.355250716	1.5	637.5
45H30SbPb	30	Cluster	SbPb	8.541312218	3.165650129	720	678.5
45H31Pb	31	Cluster	Pb	2.96573329	7.817327976	901.5	766.5
45H32SbPb	32	Cluster	SbPb	1.423552036	2.077765465	744.5	484.5
45H33Pb	33	Cluster	Pb	5.872151852	1.506659985	86	497.5
45H33SbBaPb	33	Cluster	SbBaPb	1.423552036	2.003214121	85	513.5
45H33SbPb	33	Cluster	SbPb	25.6239357	1.767249942	62.5	514.5
45H34Pb	34	Cluster	Pb	28.648983	1.765724063	304	456.5
45H34SbPb	34	Cluster	SbPb	30.13184929	2.07498908	177	405.5
45H35Pb	35	Irregular	Pb	1.779439926	1.637367368	905	713.5
45H36Pb	36	Cluster	Pb	1.3049227	1.585174799	208.5	47.5
45H36SbPb	36	Cluster	SbPb	13.93894672	2.368527174	181	41.5
45H37Pb	37	Cluster	Pb	1.482866645	1.915380836	51.5	108.5
45H37SbPb	37	Cluster	SbPb	262.5860291	1.322559834	64.5	175.5
45H38Pb	38	Cluster	Pb	1.364237309	1.623661876	86.5	51.5
45H38SbPb	38	Cluster	SbPb	2.194642544	1.735219955	12.5	33.5
45H39Pb	39	Cluster	Pb	3.796138525	1.32719481	987.5	299.5
45H39SbPb	39	Cluster	SbPb	16.66742134	1.968212962	988	210.5
45H3SbPb	3	Cluster	SbPb	20.40424538	1.44109726	53	639.5
45H40SbPb	40	Cluster	SbPb	1.008349299	1.25	1016	234.5
45H41SbBaPb	41	Sphere	SbBaPb	101.0721893	1.501833797	576	480.5
45H42SbBaPb	42	Cluster	SbBaPb	5.2196908	2.262314796	94	590.5

45H42SbPb	42	Cluster	SbPb	1.838754654	3.470952272	88.5	579.5
45H43SbPb	43	Cluster	SbPb	1.898069263	1.533208251	325	606.5
45H44SbBaPb	44	Sphere	SbBaPb	4.863802433	3.993415117	217.5	695.5
45H45Pb	45	Cluster	Pb	7.829535961	1.54804635	128	321.5
45H45SbPb	45	Cluster	SbPb	29.59801865	2.156036615	72	361.5
45H46SbBaPb	46	Irregular	SbBaPb	9.431032181	1.907442212	440.5	559.5
45H47SbBaPb	47	Irregular	SbBaPb	3.084362507	3.020428419	766.5	253.5
45H48Pb	48	Cluster	Pb	15.24386883	2.078428745	859.5	370.5
45H48SbPb	48	Cluster	SbPb	1.3049227	1.919695735	853	277.5
45H48Unclassified	48	Cluster	Unclassified	1.779439926	1.245295048	874	332.5
45H49SbBaPb	49	Sphere	SbBaPb	38.37658691	1.444923282	456.5	332.5
45H4SbBaPb	4	Sphere	SbBaPb	23.60723686	1.582393527	258	273.5
45H50Pb	50	Cluster	Pb	1.95738399	1.349880338	889.5	485.5
45H50SbPb	50	Cluster	SbPb	43.12176132	1.35208416	837.5	451.5
45H51SbBaPb	51	Sphere	SbBaPb	6.465298653	1.450973392	710	169.5
45H52Pb	52	Cluster	Pb	2.550530672	1.574133992	814.5	523.5
45H52SbPb	52	Cluster	SbPb	6.821186543	2.375801563	762.5	504.5
45H53SbPb	53	Irregular	SbPb	11.09184265	1.766327024	384.5	671.5
45H54Pb	54	Cluster	Pb	1.898069263	1.476319671	542	733.5
45H54SbPb	54	Cluster	SbPb	7.058445454	2.01762414	529.5	740.5
45H55Pb	55	Cluster	Pb	14.6507225	1.533649921	681.5	316.5
45H55SbPb	55	Cluster	SbPb	42.40998459	1.252917528	652.5	326.5
45H56SbPb	56	Cluster	SbPb	30.60636711	1.335753679	589	423.5
45H57SbPb	57	Cluster	SbPb	1.66081059	2.812426329	549	419.5
45H58SbPb	58	Irregular	SbPb	1.008349299	2.378664255	614	467.5
45H59SbPb	59	Irregular	SbPb	4.152026653	1.745567083	580	744.5
45H5Pb	5	Irregular	Pb	3.499565363	2.435176849	817	737.5
45H60Pb	60	Cluster	Pb	6.88050127	2.394286633	586	48.5
45H60SbBaPb	60	Cluster	SbBaPb	2.313271999	3.064664602	520.5	3.5
45H60SbPb	60	Cluster	SbPb	2.194642544	1.558101296	377	744.5

45H61SbPb	61	Irregular	SbPb	0.949034631	1.45231688	2.5	706.5
45H62SbPb	62	Irregular	SbPb	4.923117161	3.164066315	549.5	59.5
45H63SbBaPb	63	Cluster	SbBaPb	1.245607972	1.547782063	146.5	518.5
45H63SbPb	63	Cluster	SbPb	12.75265312	2.259559393	178.5	499.5
45H64Pb	64	Cluster	Pb	3.796138525	1.376125455	743.5	395.5
45H64SbPb	64	Cluster	SbPb	65.4240799	2.118149519	718	405.5
45H65Pb	65	Cluster	Pb	3.084362507	2.063221931	659.5	236.5
45H65SbPb	65	Cluster	SbPb	4.863802433	1.357320428	669.5	246.5
45H66Pb	66	Irregular	Pb	1.423552036	2.02959013	620	439.5
45H67SbPb	67	Cluster	SbPb	4.211341381	1.691598535	910	565.5
45H68Pb	68	Cluster	Pb	1.66081059	2.701589346	893.5	583.5
45H69SbPb	69	Cluster	SbPb	5.279005051	2.48022604	187.5	127.5
45H6SbPb	6	Cluster	SbPb	2.728474617	2.29607296	279.5	492.5
45H70SbBaPb	70	Cluster	SbBaPb	0.830405295	2.108169556	651.5	6.5
45H70SbPb	70	Cluster	SbPb	2.431901217	2.218917847	581	729.5
45H71SbBaPb	71	Sphere	SbBaPb	78.35467529	1.438199043	916.5	87.5
45H72Pb	72	Cluster	Pb	0.830405295	1.518825293	857	187.5
45H72SbPb	72	Cluster	SbPb	11.92224789	1.928831339	853.5	176.5
45H73SbPb	73	Irregular	SbPb	1.542181253	2.590860605	281.5	321.5
45H74SbPb	74	Cluster	SbPb	11.32910156	1.414240241	257	326.5
45H75SbPb	75	Irregular	SbPb	1.008349299	1.25	288	328.5
45H76Pb	76	Cluster	Pb	7.355018616	2.022030592	840	62.5
45H77SbPb	77	Cluster	SbPb	8.066794395	2.853628874	909	707.5
45H78Pb	78	Cluster	Pb	55.28126907	2.434388161	641	373.5
45H79Pb	79	Cluster	Pb	6.228039742	3.90409112	279.5	509.5
45H79SbPb	79	Cluster	SbPb	34.16524887	1.310002327	387.5	492.5
45H7SbPb	7	Cluster	SbPb	33.39415741	1.788008451	195.5	70.5
45H80SbPb	80	Cluster	SbPb	29.12350082	1.305112362	436	482.5
45H81Pb	81	Cluster	Pb	2.6098454	1.57544148	5.5	302.5
45H81SbPb	81	Cluster	SbPb	3.974082708	1.366755128	11	325.5

45H82Pb	82	Cluster	Pb	7.888850689	1.324622035	63.5	665.5
45H82SbPb	82	Cluster	SbPb	1.601495981	1.95625627	77	675.5
45H83Pb	83	Cluster	Pb	11.03252792	1.439053178	238.5	144.5
45H83SbPb	83	Cluster	SbPb	1.542181253	2.458251238	215	143.5
45H84SbBaPb	84	Sphere	SbBaPb	4.329970837	3.961901188	322	607.5
45H85SbBaPb	85	Irregular	SbBaPb	21.29396439	2.209445477	340.5	181.5
45H86Pb	86	Cluster	Pb	1.067664027	1.450576663	313.5	51.5
45H86SbPb	86	Cluster	SbPb	59.72986984	1.269661665	295.5	5.5
45H87Pb	87	Cluster	Pb	39.2069931	1.649290085	256.5	142.5
45H87SbPb	87	Cluster	SbPb	0.830405295	3.748491526	257	126.5
45H88Pb	88	Cluster	Pb	1.3049227	1.576238751	897.5	170.5
45H88SbPb	88	Cluster	SbPb	45.49435043	1.42855978	850	160.5
45H89SbPb	89	Cluster	SbPb	1.898069263	2.507338285	398	696.5
45H8Pb	8	Cluster	Pb	4.507914543	1.95856452	202	149.5
45H8SbPb	8	Cluster	SbPb	558.2103271	1.267624617	111	181.5
45H90Pb	90	Cluster	Pb	112.4606094	1.144115329	222	388.5
45H90SbPb	90	Cluster	SbPb	0.889719963	1.600761414	222	424.5
45H91Pb	91	Cluster	Pb	41.63889694	2.076425552	632	390.5
45H91SbBaPb	91	Cluster	SbBaPb	2.728474617	1.885272264	652.5	394.5
45H91SbPb	91	Cluster	SbPb	1.838754654	1.739991546	611	351.5
45H92SbPb	92	Irregular	SbPb	4.033397198	1.953100801	167	730.5
45H93SbPb	93	Irregular	SbPb	2.372586727	5.231606483	590	0.5
45H94Pb	94	Cluster	Pb	0.830405295	2.21417284	619.5	306.5
45H94SbBaPb	94	Cluster	SbBaPb	3.736824036	1.341283321	597.5	384.5
45H94SbPb	94	Cluster	SbPb	170.94487	1.502729058	610.5	282.5
45H95Pb	95	Cluster	Pb	13.22717094	1.369632602	995.5	690.5
45H95Unclassified	95	Cluster	Unclassified	0.830405295	1.341329932	1021.5	603.5
45H96SbBaPb	96	Cluster	SbBaPb	2.372586727	1.466680288	898.5	199.5
45H96SbPb	96	Cluster	SbPb	64.71230316	2.094632864	867.5	189.5
45H97SbPb	97	Cluster	SbPb	25.26804733	1.37884748	307	149.5

45H98Pb	98	Cluster	Pb	1.66081059	1.37276876	112	99.5
45H98SbPb	98	Cluster	SbPb	22.36162949	1.825475574	133.5	89.5
45H99SbPb	99	Cluster	SbPb	4.033397198	2.051367044	183	100.5
45H9Pb	9	Cluster	Pb	2.016698599	1.352564931	376.5	134.5
45H9SbPb	9	Cluster	SbPb	28.94555664	1.192191243	390	148.5
49H100SbPb	100	Irregular	SbPb	51.2478714	2.113544941	625.5	680.5
49H101SbPb	101	Irregular	SbPb	47.807621	1.918152452	785	38.5
49H102SbBaPb	102	Sphere	SbBaPb	50.12089157	1.259523511	518	639.5
49H103SbPb	103	Cluster	SbPb	72.00800323	2.35576582	40	555.5
49H104SbPb	104	Irregular	SbPb	9.134458542	1.497999191	1007.5	488.5
49H105SbPb	105	Irregular	SbPb	10.91389847	2.506655216	821	667.5
49H106SbPb	106	Cluster	SbPb	164.9540863	1.445735693	711.5	168.5
49H107Pb	107	Cluster	Pb	1.66081059	1.608824968	379.5	364.5
49H107SbPb	107	Cluster	SbPb	22.71751785	2.068021536	401	381.5
49H108SbPb	108	Cluster	SbPb	20.76013374	1.337700248	578	392.5
49H109SbPb	109	Irregular	SbPb	18.68412018	1.709933519	671	550.5
49H10SbPb	10	Irregular	SbPb	6.643242359	3.281673431	840	767.5
49H110SbPb	110	Cluster	SbPb	128.4162445	1.188860297	712	484.5
49H111SbPb	111	Irregular	SbPb	3.558879852	2.750242949	533.5	9.5
49H112SbBaPb	112	Irregular	SbBaPb	92.64950562	1.359387636	938	95.5
49H113SbPb	113	Cluster	SbPb	5.872151852	1.958049297	6.5	7.5
49H114SbPb	114	Cluster	SbPb	12.87128258	1.460237503	725.5	664.5
49H115SbPb	115	Cluster	SbPb	6.999130726	1.784273863	650	46.5
49H116SbBaPb	116	Irregular	SbBaPb	14.76935196	2.518925667	402.5	740.5
49H117SbPb	117	Irregular	SbPb	50.71403885	1.131831884	674	133.5
49H118SbPb	118	Irregular	SbPb	84.34545135	1.979582429	694	316.5
49H119SbPb	119	Irregular	SbPb	61.15341949	1.883138418	772	216.5
49H11SbPb	11	Cluster	SbPb	36.35988998	1.226515651	367.5	126.5
49H120SbBaPb	120	Cluster	SbBaPb	71.11828613	1.573296309	549	183.5
49H121Pb	121	Cluster	Pb	42.23204041	1.816340923	487.5	225.5

49H121SbBaPb	121	Cluster	SbBaPb	20.76013374	1.642256141	517.5	223.5
49H122Pb	122	Cluster	Pb	9.371717453	1.277291179	151	563.5
49H122SbPb	122	Cluster	SbPb	353.930603	2.204984426	165	500.5
49H123SbPb	123	Cluster	SbPb	29.65733337	1.579635859	82.5	753.5
49H124SbPb	124	Irregular	SbPb	41.10506439	1.205713868	837	448.5
49H125SbPb	125	Cluster	SbPb	2.076013327	1.574563384	329	589.5
49H126SbPb	126	Irregular	SbPb	16.25221825	1.707829237	320.5	432.5
49H127Pb	127	Cluster	Pb	7.355018616	2.286402464	652	274.5
49H127SbPb	127	Cluster	SbPb	44.72325897	1.510587931	649	246.5
49H128SbBaPb	128	Cluster	SbBaPb	1.779439926	1.218791604	855	581.5
49H128SbPb	128	Cluster	SbPb	376.7667542	1.496517181	839.5	526.5
49H129SbPb	129	Cluster	SbPb	29.12350082	1.208807945	810	347.5
49H12SbPb	12	Cluster	SbPb	21.47190857	1.558110476	338	174.5
49H130SbPb	130	Cluster	SbPb	10.38006687	2.740823984	5.5	142.5
49H131SbPb	131	Irregular	SbPb	23.78518105	2.08647418	917	175.5
49H132SbPb	132	Cluster	SbPb	16.01495934	1.367620349	34.5	154.5
49H133SbPb	133	Irregular	SbPb	18.80274963	1.591874957	57	218.5
49H134SbPb	134	Irregular	SbPb	77.88015747	1.436204553	32	248.5
49H135Pb	135	Cluster	Pb	15.65907192	2.255115747	988	565.5
49H136SbBaPb	136	Irregular	SbBaPb	125.1539459	4.017683506	792	339.5
49H137SbPb	137	Cluster	SbPb	15.95564556	1.417293906	817.5	729.5
49H138SbPb	138	Cluster	SbPb	7.473648071	7.189327717	758.5	767.5
49H139SbBaPb	139	Sphere	SbBaPb	42.6472435	1.205461979	639.5	652.5
49H13Pb	13	Cluster	Pb	5.338319778	1.694404483	449	417.5
49H13SbPb	13	Cluster	SbPb	2083.012451	2.101199627	555.5	391.5
49H140SbPb	140	Irregular	SbPb	8.422682762	2.531511307	989	492.5
49H141SbPb	141	Cluster	SbPb	165.4286041	1.284196377	663.5	431.5
49H142Pb	142	Cluster	Pb	32.80101013	1.816684723	258.5	145.5
49H143SbPb	143	Cluster	SbPb	133.3393707	2.389681101	993.5	29.5
49H144SbBaPb	144	Irregular	SbBaPb	53.6204567	1.478733778	126	67.5

49H145SbPb	145	Irregular	SbPb	12.1595068	1.759501696	265	405.5
49H146SbPb	146	Cluster	SbPb	84.34545135	1.653994799	230.5	697.5
49H147SbPb	147	Irregular	SbPb	50.53609467	1.598294973	615.5	93.5
49H148Pb	148	Cluster	Pb	2.96573329	1.516454339	740.5	382.5
49H148SbPb	148	Cluster	SbPb	421.4306946	1.784783483	674	338.5
49H149SbPb	149	Irregular	SbPb	162.7001343	1.522405982	499	159.5
49H14SbPb	14	Cluster	SbPb	216.7357941	1.658791304	627	577.5
49H150Pb	150	Cluster	Pb	62.63628769	2.463580132	206.5	378.5
49H150SbPb	150	Cluster	SbPb	220.7691803	2.156891346	216	342.5
49H151SbPb	151	Irregular	SbPb	9.371717453	1.183306694	168	687.5
49H152SbPb	152	Irregular	SbPb	46.62132645	2.888597965	10.5	371.5
49H153SbPb	153	Irregular	SbPb	21.76848221	2.096452713	184	714.5
49H154SbPb	154	Irregular	SbPb	48.81597137	1.486435294	1014.5	149.5
49H155SbPb	155	Cluster	SbPb	131.5006104	1.482445955	940	189.5
49H156SbBaPb	156	Sphere	SbBaPb	23.78518105	1.557584167	551	413.5
49H157SbBaPb	157	Irregular	SbBaPb	31.31814384	1.351230145	669.5	82.5
49H158SbPb	158	Irregular	SbPb	91.99704742	1.288147092	343.5	300.5
49H159SbPb	159	Irregular	SbPb	21.64985275	1.521953106	520	455.5
49H15Pb	15	Cluster	Pb	89.09062958	1.676969409	17.5	391.5
49H15SbPb	15	Cluster	SbPb	13.93894672	1.710277557	821.5	680.5
49H160Pb	160	Irregular	Pb	50.77335358	2.894958258	761.5	537.5
49H160SbPb	160	Irregular	SbPb	150.659256	1.2208395	764	585.5
49H161SbPb	161	Irregular	SbPb	28.82692719	1.315774322	43	333.5
49H162Pb	162	Cluster	Pb	231.9203491	1.681339502	44	181.5
49H162SbPb	162	Cluster	SbPb	217.1509857	1.420417905	998.5	385.5
49H163SbBaPb	163	Irregular	SbBaPb	153.4470367	4.844224453	359.5	211.5
49H164SbPb	164	Irregular	SbPb	37.36824036	2.001497269	469.5	559.5
49H165SbPb	165	Irregular	SbPb	25.80187988	2.302470207	775.5	567.5
49H166SbBaPb	166	Cluster	SbBaPb	52.96799469	1.708663702	919.5	731.5
49H167SbPb	167	Irregular	SbPb	12.27813625	1.684290409	715.5	673.5

49H168SbBaPb	168	Sphere	SbBaPb	7.058445454	1.745211482	212.5	347.5
49H169Pb	169	Irregular	Pb	1.66081059	1.708564401	92	429.5
49H16SbPb	16	Cluster	SbPb	32.86032486	2.507635355	46.5	757.5
49H170Pb	170	Cluster	Pb	6.999130726	3.102341413	199.5	205.5
49H171SbPb	171	Irregular	SbPb	21.05670547	1.181068659	551.5	465.5
49H172SbPb	172	Irregular	SbPb	15.06592464	2.781489372	704.5	716.5
49H173SbPb	173	Cluster	SbPb	11.32910156	1.541582584	938.5	392.5
49H174SbPb	174	Cluster	SbPb	31.25882912	1.445878744	868.5	445.5
49H175SbPb	175	Irregular	SbPb	8.304053307	1.76038754	446	309.5
49H176Pb	176	Cluster	Pb	0.949034631	2.284578562	763.5	742.5
49H176SbPb	176	Cluster	SbPb	364.0140991	1.398398876	788.5	713.5
49H177SbPb	177	Irregular	SbPb	15.89633083	1.683395743	559.5	394.5
49H178SbPb	178	Irregular	SbPb	12.51539421	1.228182077	744.5	458.5
49H179SbPb	179	Cluster	SbPb	15.89633083	1.516577482	1011.5	309.5
49H17SbPb	17	Cluster	SbPb	32.50443649	1.970389843	330.5	733.5
49H180SbPb	180	Cluster	SbPb	24.20038414	1.427370667	964	379.5
49H181SbBaPb	181	Sphere	SbBaPb	100.716301	1.162001014	296.5	636.5
49H182Pb	182	Irregular	Pb	20.70081902	1.311233163	837	122.5
49H183SbPb	183	Irregular	SbPb	6.939815998	2.200569868	31	468.5
49H184SbPb	184	Irregular	SbPb	12.57470894	1.806038857	986.5	734.5
49H185SbBaPb	185	Cluster	SbBaPb	11.09184265	1.945127249	275.5	411.5
49H186SbPb	186	Irregular	SbPb	52.07827759	3.300815344	430.5	22.5
49H187SbPb	187	Irregular	SbPb	41.46095276	1.424788833	180.5	169.5
49H188SbPb	188	Irregular	SbPb	18.26891708	1.306487679	293.5	631.5
49H189SbBaPb	189	Irregular	SbBaPb	67.08488464	1.125225782	58.5	735.5
49H18SbPb	18	Cluster	SbPb	402.5093079	1.521705151	629	384.5
49H190SbPb	190	Cluster	SbPb	138.7963104	1.455520391	648	742.5
49H191SbBaPb	191	Sphere	SbBaPb	324.0953369	1.059105277	458	432.5
49H192SbPb	192	Irregular	SbPb	7.532962322	1.982165575	968.5	580.5
49H193SbPb	193	Cluster	SbPb	85.05722809	1.560073614	667.5	567.5

49H194SbPb	194	Irregular	SbPb	106.4105072	1.141397119	808.5	563.5
49H195SbPb	195	Cluster	SbPb	320.7737122	1.260479689	624	255.5
49H196SbPb	196	Irregular	SbPb	9.964863777	1.785710573	582.5	274.5
49H197SbPb	197	Cluster	SbPb	51.60375977	3.795498133	955.5	378.5
49H198SbPb	198	Cluster	SbPb	13.99826145	3.029016733	963.5	427.5
49H199SbPb	199	Irregular	SbPb	9.60897541	1.819685459	477	400.5
49H19SbBaPb	19	Sphere	SbBaPb	171.122818	1.108397484	501.5	704.5
49H1SbBaPb	1	Irregular	SbBaPb	24.97147369	1.285350084	14.5	744.5
49H200Pb	200	Irregular	Pb	9.253087997	1.387859941	572	658.5
49H201Pb	201	Cluster	Pb	717.173645	1.27504003	798.5	150.5
49H201SbPb	201	Cluster	SbPb	7.710906506	1.804936528	810	97.5
49H202SbPb	202	Cluster	SbPb	131.7971802	1.194661379	535	722.5
49H203SbPb	203	Cluster	SbPb	3.61819458	1.847914219	296	225.5
49H204SbPb	204	Irregular	SbPb	67.79666138	1.330676317	374.5	363.5
49H205Pb	205	Irregular	Pb	6.405983925	1.927700877	44.5	388.5
49H206SbPb	206	Cluster	SbPb	42.52861404	1.471170783	771.5	65.5
49H207SbPb	207	Irregular	SbPb	27.75926399	1.187371731	676.5	334.5
49H208SbPb	208	Cluster	SbPb	23.19203377	1.463608503	270.5	609.5
49H209SbPb	209	Irregular	SbPb	121.6543808	2.022935152	238	718.5
49H20Pb	20	Cluster	Pb	7.177074432	1.57182312	58	203.5
49H20SbPb	20	Cluster	SbPb	28.29309464	1.382943273	53.5	230.5
49H210Pb	210	Cluster	Pb	29.12350082	1.38576436	752	358.5
49H210SbPb	210	Cluster	SbPb	18.15028763	1.678244472	683.5	287.5
49H211SbPb	211	Cluster	SbPb	37.72412872	1.805602193	667	225.5
49H212Pb	212	Cluster	Pb	88.3195343	1.148159623	596	54.5
49H212SbPb	212	Cluster	SbPb	1.423552036	1.60599196	600.5	77.5
49H213SbPb	213	Irregular	SbPb	3.677509308	2.791495562	685.5	489.5
49H214SbPb	214	Irregular	SbPb	21.17533493	1.854447365	80.5	1.5
49H215Pb	215	Irregular	Pb	21.1160202	1.470531464	10	78.5
49H216SbPb	216	Cluster	SbPb	18.26891708	1.494692802	156	95.5

49H217SbPb	217	Irregular	SbPb	36.12263107	1.240481138	508	432.5
49H218SbPb	218	Irregular	SbPb	26.15776825	1.157719374	1003	594.5
49H219SbPb	219	Irregular	SbPb	19.45520973	2.097813606	551	158.5
49H21SbPb	21	Cluster	SbPb	212.2871857	1.666303039	228	299.5
49H220SbPb	220	Irregular	SbPb	19.04000854	1.53728807	211	286.5
49H221SbPb	221	Cluster	SbPb	89.50582886	1.882634878	564.5	389.5
49H222Pb	222	Irregular	Pb	69.45747375	2.333755493	673.5	380.5
49H223SbBaPb	223	Irregular	SbBaPb	51.78170395	1.384887934	669	605.5
49H224SbPb	224	Irregular	SbPb	23.31066322	3.419373512	470.5	38.5
49H225SbPb	225	Sphere	SbPb	36.30057526	1.109814644	420.5	356.5
49H226SbPb	226	Irregular	SbPb	143.3042297	1.258622646	75	647.5
49H227Pb	227	Cluster	Pb	61.27204895	1.849340796	127.5	302.5
49H228SbPb	228	Cluster	SbPb	6.050096035	1.325579882	377	362.5
49H229SbPb	229	Cluster	SbPb	1.008349299	1.836292028	241	643.5
49H22SbPb	22	Cluster	SbPb	37.30892563	1.991850615	675	617.5
49H230SbBaPb	230	Irregular	SbBaPb	4.448599815	3.485377789	349	742.5
49H231SbPb	231	Cluster	SbPb	91.10733032	2.08565259	841.5	506.5
49H232SbPb	232	Irregular	SbPb	77.34632111	2.539254189	157	616.5
49H233SbPb	233	Irregular	SbPb	39.97808456	2.127031803	484.5	478.5
49H234SbPb	234	Irregular	SbPb	24.14106941	1.348321438	534	142.5
49H235SbBaPb	235	Irregular	SbBaPb	196.2129211	1.50091064	506.5	364.5
49H236SbPb	236	Irregular	SbPb	56.88276291	1.427645683	784.5	333.5
49H237SbPb	237	Irregular	SbPb	19.04000854	1.672393441	795	540.5
49H238SbBaPb	238	Irregular	SbBaPb	35.82605743	1.23729825	32.5	254.5
49H239Pb	239	Cluster	Pb	11.38841629	1.678340793	635	471.5
49H23SbBaPb	23	Irregular	SbBaPb	107.3595428	1.88960278	257.5	216.5
49H240Pb	240	Irregular	Pb	26.03913879	1.343355179	645.5	24.5
49H241SbPb	241	Irregular	SbPb	153.5063477	1.619045734	1005.5	516.5
49H242SbBaPb	242	Irregular	SbBaPb	41.81684113	2.295928717	105.5	595.5
49H243SbPb	243	Sphere	SbPb	3.32162118	3.029466391	967.5	244.5

49H244SbBaPb	244	Sphere	SbBaPb	29.47938919	1.518197298	901.5	727.5
49H245SbPb	245	Irregular	SbPb	17.31988335	1.579685807	115.5	175.5
49H246SbPb	246	Irregular	SbPb	3.32162118	2.5024333	361	349.5
49H247SbBaPb	247	Sphere	SbBaPb	4.685858727	3.692491531	553.5	603.5
49H248SbPb	248	Irregular	SbPb	29.24213028	1.250322461	965	269.5
49H249SbPb	249	Irregular	SbPb	11.56635952	1.69783783	7.5	639.5
49H24SbPb	24	Cluster	SbPb	12.45607948	1.555766582	989.5	147.5
49H250Pb	250	Cluster	Pb	1.482866645	1.451189041	823.5	247.5
49H250SbPb	250	Cluster	SbPb	24.79352951	2.163003445	763	215.5
49H251SbPb	251	Irregular	SbPb	8.837884903	1.580495238	998.5	494.5
49H252SbPb	252	Cluster	SbPb	232.5727997	1.636713505	148.5	295.5
49H253SbPb	253	Irregular	SbPb	43.47764969	1.454075456	968	299.5
49H254SbBaPb	254	Sphere	SbBaPb	6.999130726	1.155327916	6.5	127.5
49H25SbPb	25	Cluster	SbPb	5.101061344	2.483413458	670.5	666.5
49H26SbPb	26	Cluster	SbPb	95.02209473	1.824814081	927.5	557.5
49H27SbPb	27	Cluster	SbPb	21.64985275	1.447744131	586	129.5
49H28Pb	28	Cluster	Pb	3.084362507	2.223495483	295	554.5
49H28SbPb	28	Cluster	SbPb	159.2005615	2.797826529	294	601.5
49H29Pb	29	Irregular	Pb	29.24213028	2.403899193	279	219.5
49H2SbPb	2	Cluster	SbPb	115.5449677	1.621731162	34.5	48.5
49H30Pb	30	Cluster	Pb	9.549661636	3.334989548	62.5	525.5
49H31SbBaPb	31	Sphere	SbBaPb	7.888850689	2.434654713	197	183.5
49H32SbPb	32	Cluster	SbPb	53.26456833	1.677132368	871.5	712.5
49H33SbPb	33	Cluster	SbPb	74.55853271	1.986455083	460.5	394.5
49H34SbPb	34	Irregular	SbPb	15.1845541	1.468887329	430	315.5
49H35Pb	35	Cluster	Pb	1.66081059	1.708728075	276.5	661.5
49H35SbBaPb	35	Cluster	SbBaPb	8.48199749	1.601807356	275	611.5
49H35SbPb	35	Cluster	SbPb	340.8220825	1.367003441	247	652.5
49H36SbPb	36	Irregular	SbPb	38.08001709	2.061780691	732	108.5
49H37Pb	37	Cluster	Pb	9.253087997	1.686367989	142.5	617.5

49H37SbPb	37	Cluster	SbPb	13.64237309	1.35008359	124.5	625.5
49H38Pb	38	Cluster	Pb	27.87789345	1.893798947	788.5	755.5
49H38SbPb	38	Cluster	SbPb	5.990781307	4.718419075	975	2.5
49H39SbPb	39	Irregular	SbPb	20.40424538	1.61880374	87.5	399.5
49H3SbPb	3	Irregular	SbPb	10.49869537	1.381044149	144	338.5
49H40SbPb	40	Cluster	SbPb	10.5580101	1.889926195	689	122.5
49H41SbPb	41	Cluster	SbPb	41.81684113	1.842679143	720.5	682.5
49H42SbBaPb	42	Sphere	SbBaPb	23.84449577	1.656556726	891.5	305.5
49H43SbPb	43	Cluster	SbPb	144.9650421	1.657920837	310	610.5
49H44SbBaPb	44	Sphere	SbBaPb	12.75265312	2.235910892	948	621.5
49H45SbPb	45	Irregular	SbPb	19.75178337	1.578679562	978	495.5
49H46SbBaPb	46	Cluster	SbBaPb	54.2729187	1.480761528	121	373.5
49H47SbPb	47	Cluster	SbPb	36.41920471	1.371669292	835.5	243.5
49H48SbPb	48	Cluster	SbPb	802.230835	2.136640549	151.5	12.5
49H49SbPb	49	Cluster	SbPb	47.92625046	1.768032312	305	667.5
49H4Pb	4	Cluster	Pb	5.516263962	1.760042429	110.5	457.5
49H4SbPb	4	Cluster	SbPb	4.567229271	1.816622496	93	438.5
49H50SbPb	50	Cluster	SbPb	78.29535675	1.880997181	594.5	350.5
49H51SbPb	51	Cluster	SbPb	27.04748726	1.974997401	281.5	583.5
49H52SbBaPb	52	Sphere	SbBaPb	59.25535202	1.371566296	15.5	432.5
49H53SbPb	53	Cluster	SbPb	28.76761246	2.020264387	940.5	103.5
49H54SbBaPb	54	Irregular	SbBaPb	33.92798996	1.535536289	696	557.5
49H55SbPb	55	Cluster	SbPb	15.54044247	1.733660936	898	720.5
49H56SbPb	56	Cluster	SbPb	6.643242359	1.640029907	5	120.5
49H57SbPb	57	Cluster	SbPb	3.736824036	2.944130898	513.5	617.5
49H58SbBaPb	58	Sphere	SbBaPb	6.643242359	2.600667953	233.5	743.5
49H59SbPb	59	Cluster	SbPb	152.4980011	1.247618675	404	411.5
49H5SbPb	5	Cluster	SbPb	22.1836853	1.19626081	358.5	101.5
49H60SbPb	60	Irregular	SbPb	67.79666138	1.171148658	229.5	686.5
49H61SbPb	61	Cluster	SbPb	14.6507225	1.809211135	273	304.5

49H62SbPb	62	Irregular	SbPb	68.2711792	1.666411638	939.5	762.5
49H63SbPb	63	Cluster	SbPb	138.6776886	2.056915998	384	474.5
49H64SbBaPb	64	Irregular	SbBaPb	22.1836853	1.187652588	328.5	522.5
49H65SbBaPb	65	Sphere	SbBaPb	12.27813625	1.430890918	184.5	71.5
49H66Pb	66	Cluster	Pb	4.567229271	2.219575644	993	564.5
49H66SbPb	66	Cluster	SbPb	201.3139801	2.141766548	971.5	583.5
49H67SbPb	67	Cluster	SbPb	40.57123184	2.803932667	15.5	710.5
49H68SbPb	68	Cluster	SbPb	14.82866669	1.581678391	395	53.5
49H69SbPb	69	Cluster	SbPb	19.51452446	1.34243238	188	63.5
49H6Pb	6	Cluster	Pb	396.9337463	1.76242125	176.5	115.5
49H6SbPb	6	Cluster	SbPb	11.44773006	1.214713693	84.5	86.5
49H70Pb	70	Cluster	Pb	174.1478577	1.18073535	378.5	573.5
49H71SbPb	71	Cluster	SbPb	42.58792877	1.692134976	742	288.5
49H72SbPb	72	Cluster	SbPb	102.4957428	2.223623514	144.5	485.5
49H73SbPb	73	Irregular	SbPb	3.796138525	3.029300213	651.5	436.5
49H74SbPb	74	Cluster	SbPb	18.38754654	1.506771445	538	505.5
49H75SbBaPb	75	Sphere	SbBaPb	16.60810661	1.290193915	217.5	409.5
49H76SbPb	76	Cluster	SbPb	157.4211273	1.541720867	40.5	388.5
49H77Pb	77	Irregular	Pb	15.83701611	1.74611342	393	449.5
49H77SbPb	77	Cluster	SbPb	98.16577148	2.411742687	63.5	465.5
49H78SbBaPb	78	Sphere	SbBaPb	101.3687668	1.143175006	452	56.5
49H79Pb	79	Cluster	Pb	51.66307449	1.375489473	18.5	110.5
49H7Pb	7	Cluster	Pb	19.98904228	2.03664875	8	334.5
49H7SbPb	7	Cluster	SbPb	3.499565363	3.224884033	2.5	387.5
49H80SbBaPb	80	Irregular	SbBaPb	74.91442108	3.154477119	216.5	289.5
49H81SbBaPb	81	Irregular	SbBaPb	354.2271729	1.302363634	41	57.5
49H82SbPb	82	Irregular	SbPb	65.06819153	1.248705745	754	373.5
49H83SbBaPb	83	Sphere	SbBaPb	40.57123184	1.288986087	225	105.5
49H84SbPb	84	Cluster	SbPb	122.8999863	2.142747402	937.5	373.5
49H85SbPb	85	Cluster	SbPb	16.19290352	1.630631089	577	763.5

49H86SbBaPb	86	Irregular	SbBaPb	41.69821167	1.588817239	431	541.5
49H87SbPb	87	Cluster	SbPb	55.87441635	1.489723682	392.5	361.5
49H88SbPb	88	Cluster	SbPb	67.79666138	1.699314475	692	513.5
49H89Pb	89	Cluster	Pb	12.04087734	1.759961724	648.5	563.5
49H8SbBaPb	8	Irregular	SbBaPb	18.68412018	1.585128307	562	101.5
49H90SbPb	90	Cluster	SbPb	18.0909729	2.050719023	548	163.5
49H91SbPb	91	Cluster	SbPb	24.79352951	1.553049207	82	616.5
49H92SbPb	92	Irregular	SbPb	24.79352951	1.37258935	877	621.5
49H93SbBaPb	93	Sphere	SbBaPb	20.04835701	1.470116854	958.5	509.5
49H94SbPb	94	Cluster	SbPb	31.4367733	1.843553185	489.5	153.5
49H95Pb	95	Cluster	Pb	27.81857872	1.697393537	413.5	69.5
49H96SbPb	96	Irregular	SbPb	3.26230669	3.9722054	272.5	0.5
49H97SbPb	97	Irregular	SbPb	19.63315392	2.01332736	184.5	424.5
49H98SbPb	98	Cluster	SbPb	63.70395279	1.761440158	592.5	224.5
49H99SbPb	99	Cluster	SbPb	47.03652954	1.804873824	112	667.5
49H9SbBaPb	9	Sphere	SbBaPb	32.7416954	1.395211458	919.5	500.5
51H10SbBaPb	10	Cluster	SbBaPb	2.491215944	2.565164328	242.5	302.5
51H10SbPb	10	Cluster	SbPb	3.974082708	1.752575994	256.5	304.5
51H11SbPb	11	Cluster	SbPb	40.2746582	1.413240194	771.5	267.5
51H12SbPb	12	Cluster	SbPb	9.60897541	1.919817209	684	485.5
51H13SbPb	13	Irregular	SbPb	17.37919617	1.465689659	484.5	414.5
51H14SbPb	14	Cluster	SbPb	20.58218956	2.8651371	590.5	324.5
51H15SbPb	15	Cluster	SbPb	50.00226212	1.160580754	156	222.5
51H16SbBaPb	16	Cluster	SbBaPb	3.736824036	2.557860136	237	379.5
51H16SbPb	16	Cluster	SbPb	9.846234322	2.090529919	231	361.5
51H17SbPb	17	Irregular	SbPb	1.423552036	2.14535737	181	559.5
51H18SbBaPb	18	Irregular	SbBaPb	34.10593414	1.981859684	742	224.5
51H19SbBaPb	19	Cluster	SbBaPb	90.6328125	1.291680098	378.5	467.5
51H19SbPb	19	Cluster	SbPb	2.016698599	2.088061571	434.5	461.5
51H1SbPb	1	Cluster	SbPb	86.12489319	1.498172641	658	678.5

51H20SbBaPb	20	Cluster	SbBaPb	7.414333344	3.593825817	736.5	535.5
51H21SbPb	21	Cluster	SbPb	8.126109123	1.712201953	289	255.5
51H22SbPb	22	Cluster	SbPb	18.03165817	1.661910176	81.5	623.5
51H23SbPb	23	Irregular	SbPb	1.779439926	2.323747635	30	142.5
51H24SbPb	24	Cluster	SbPb	9.905549049	1.503849983	287.5	725.5
51H25SbBaPb	25	Sphere	SbBaPb	25.32736206	1.439550757	10	90.5
51H26SbPb	26	Irregular	SbPb	3.26230669	2.009391308	691	562.5
51H27SbBaPb	27	Irregular	SbBaPb	6.287354469	2.057647943	784.5	267.5
51H28SbPb	28	Irregular	SbPb	2.787789345	2.875021696	957	58.5
51H29SbPb	29	Irregular	SbPb	8.541312218	1.863783002	79	537.5
51H2SbPb	2	Irregular	SbPb	12.04087734	2.054024458	623	364.5
51H30SbSnPb	30	Cluster	SbSnPb	22.89546013	2.322380304	739.5	59.5
51H31SbBaPb	31	Irregular	SbBaPb	0.889719963	1.761235714	604.5	239.5
51H31SbPb	31	Irregular	SbPb	11.98156261	2.765454531	627.5	241.5
51H32SbBaPb	32	Irregular	SbBaPb	25.92050934	1.23737669	793.5	718.5
51H33SbPb	33	Cluster	SbPb	14.17620468	2.504560947	112.5	415.5
51H34SbBaPb	34	Cluster	SbBaPb	46.0874939	1.803596139	1010	179.5
51H34SbPb	34	Cluster	SbPb	1.66081059	1.515660644	1015.5	130.5
51H35SbPb	35	Cluster	SbPb	15.95564556	1.567317009	980.5	104.5
51H36SbPb	36	Cluster	SbPb	29.00487137	3.011569262	886	2.5
51H37SbPb	37	Irregular	SbPb	6.168725014	1.700742841	517.5	238.5
51H38SbPb	38	Cluster	SbPb	8.837884903	2.03288269	5.5	346.5
51H39SbPb	39	Irregular	SbPb	1.364237309	2.439956427	740	571.5
51H3SbPb	3	Cluster	SbPb	22.12437057	1.322837949	373.5	15.5
51H40SbPb	40	Irregular	SbPb	4.745173454	2.16296792	580	209.5
51H41SbPb	41	Cluster	SbPb	12.04087734	1.795946717	877	600.5
51H42SbPb	42	Cluster	SbPb	12.98991203	1.411701083	483.5	547.5
51H43SbBaPb	43	Cluster	SbBaPb	3.974082708	1.267900467	966	357.5
51H43SbPb	43	Cluster	SbPb	45.49435043	1.207632184	950	332.5
51H44SbBaPb	44	Irregular	SbBaPb	11.56635952	2.414018869	851.5	670.5

51H45SbPb	45	Cluster	SbPb	49.05323029	1.264702439	111.5	53.5
51H4SbPb	4	Irregular	SbPb	1.601495981	1.517065048	3.5	532.5
51H5SbPb	5	Cluster	SbPb	26.15776825	1.292975783	718.5	316.5
51H6SbPb	6	Irregular	SbPb	2.96573329	3.115847826	452	547.5
51H7SbPb	7	Cluster	SbPb	18.26891708	1.361037254	269	245.5
51H8SbPb	8	Cluster	SbPb	12.45607948	1.494021416	662	750.5
51H9SbPb	9	Irregular	SbPb	2.550530672	1.563320279	10	47.5
10F1SbPb	1	Irregular	SbPb	6.88050127	1.887913108	421.5	671.5
55H10SbPb	10	Cluster	SbPb	55.10332489	3.008997917	420.5	336.5
55H11SbPb	11	Cluster	SbPb	14.94729614	1.547222733	437.5	253.5
55H12SbBaPb	12	Cluster	SbBaPb	5.397634506	1.356796503	868.5	277.5
55H13SbPb	13	Cluster	SbPb	31.73334694	2.243513584	773.5	669.5
55H14SbBaPb	14	Cluster	SbBaPb	16.48947716	2.000916719	452.5	330.5
55H14SbPb	14	Cluster	SbPb	161.9290314	1.369191885	408.5	292.5
55H15SbPb	15	Cluster	SbPb	245.9779205	1.409926891	765.5	530.5
55H16SbPb	16	Cluster	SbPb	9.19377327	3.424802542	942	59.5
55H17SbBaPb	17	Cluster	SbBaPb	2.076013327	2.886762857	674.5	727.5
55H17SbPb	17	Cluster	SbPb	7.473648071	2.587255955	651	723.5
55H18Cu	18	Cluster	Cu	10.4393816	2.319031715	625.5	69.5
55H18SbBaPb	18	Cluster	SbBaPb	23.60723686	2.55257988	591	17.5
55H19SbBaPb	19	Cluster	SbBaPb	34.04661942	1.415113688	1011	81.5
55H19SbPb	19	Cluster	SbPb	68.98295593	2.58923316	941.5	119.5
55H1SbPb	1	Cluster	SbPb	30.78431129	1.410495639	133	737.5
55H20SbPb	20	Cluster	SbPb	7.651591778	2.681619406	673	268.5
55H21SbBaPb	21	Sphere	SbBaPb	23.84449577	2.096158981	8	358.5
55H22SbBaPb	22	Cluster	SbBaPb	10.08349323	2.851202965	546	18.5
55H22SbPb	22	Cluster	SbPb	0.889719963	1.371016741	524	19.5
55H23SbPb	23	Cluster	SbPb	8.48199749	1.378724813	378	339.5
55H24SbPb	24	Cluster	SbPb	91.5225296	1.262557149	654	295.5
55H25SbBaPb	25	Irregular	SbBaPb	16.13358879	2.306163549	156.5	40.5

55H26Pb	26	Cluster	Pb	3.736824036	1.291474342	604.5	366.5
55H26SbPb	26	Cluster	SbPb	1.008349299	3.151915789	586.5	333.5
55H27SbPb	27	Irregular	SbPb	7.295703888	2.096032619	829	521.5
55H28SbPb	28	Cluster	SbPb	107.3002319	1.706858754	370	37.5
55H29SbPb	29	Irregular	SbPb	0.830405295	1.812206149	528	255.5
55H2SbBaPb	2	Cluster	SbBaPb	5.516263962	2.924432993	942.5	674.5
55H30SbBaPb	30	Cluster	SbBaPb	268.2802429	1.621377945	969	182.5
55H31SbPb	31	Irregular	SbPb	7.948165417	1.329395294	759.5	489.5
55H32SbPb	32	Irregular	SbPb	5.812837124	1.364262581	243.5	626.5
55H33SbPb	33	Cluster	SbPb	4.329970837	1.431480765	5	502.5
55H34SbBaPb	34	Cluster	SbBaPb	29.77596283	1.746389389	764.5	544.5
55H34SbPb	34	Cluster	SbPb	8.659941673	1.341645956	796	548.5
55H35SbPb	35	Sphere	SbPb	19.57383919	1.11610961	805.5	661.5
55H36SbPb	36	Cluster	SbPb	24.55627251	1.411231518	62.5	744.5
55H37SbBaPb	37	Cluster	SbBaPb	3.796138525	1.356329441	460	639.5
55H37SbPb	37	Cluster	SbPb	7.177074432	1.609977722	448	619.5
55H38SbBaPb	38	Sphere	SbBaPb	31.08088493	2.074015617	290	351.5
55H39SbPb	39	Irregular	SbPb	15.77770138	1.317581654	143.5	500.5
55H3SbBaPb	3	Irregular	SbBaPb	45.31640625	1.157701492	601.5	258.5
55H40SbBaPb	40	Cluster	SbBaPb	508.9791565	1.632393122	234.5	641.5
55H41SbPb	41	Cluster	SbPb	45.96886444	1.620167971	860.5	665.5
55H42SbPb	42	Cluster	SbPb	24.61558723	2.201485395	449	760.5
55H43SbBaPb	43	Cluster	SbBaPb	18.80274963	2.171524048	174.5	302.5
55H44SbBaPb	44	Cluster	SbBaPb	97.98783112	1.315264463	452.5	190.5
55H44SbPb	44	Cluster	SbPb	1.423552036	1.747362375	504.5	213.5
55H45SbPb	45	Cluster	SbPb	9.015829086	2.985137939	193.5	3.5
55H46SbBaPb	46	Cluster	SbBaPb	4.982431889	3.833807468	492	128.5
55H46SbPb	46	Cluster	SbPb	9.075143814	2.068438768	526.5	88.5
55H47SbPb	47	Cluster	SbPb	7.117759705	2.918170691	275.5	761.5
55H48SbPb	48	Cluster	SbPb	15.24386883	1.31657815	949.5	308.5

55H49SbPb	49	Irregular	SbPb	5.57557869	1.746278524	43	87.5
55H4SbPb	4	Cluster	SbPb	41.46095276	1.280545592	8.5	445.5
55H50SbBaPb	50	Cluster	SbBaPb	7.414333344	3.223523855	629	4.5
55H51SbBaPb	51	Cluster	SbBaPb	63.58532333	1.413519859	761	393.5
55H51SbPb	51	Cluster	SbPb	49.82431793	1.916875839	767	369.5
55H52SbPb	52	Cluster	SbPb	31.61471748	1.826777458	14	472.5
55H53Pb	53	Cluster	Pb	6.583928108	1.781708479	840.5	575.5
55H53SbPb	53	Cluster	SbPb	210.8043213	1.76432395	862.5	643.5
55H54SbPb	54	Irregular	SbPb	6.583928108	1.823486328	433	212.5
55H55SbPb	55	Cluster	SbPb	9.253087997	1.36630547	549.5	288.5
55H56SbPb	56	Cluster	SbPb	45.6722908	1.162869453	327	516.5
55H57SbPb	57	Irregular	SbPb	17.79439926	2.105311155	88.5	207.5
55H58Cu	58	Cluster	Cu	0.949034631	1.600708008	659	48.5
55H58SbPb	58	Cluster	SbPb	114.2400436	1.457636476	575.5	4.5
55H59SbBaPb	59	Sphere	SbBaPb	40.09671402	1.332854986	690	618.5
55H5SbPb	5	Cluster	SbPb	11.56635952	1.374886274	628	573.5
55H60SbPb	60	Cluster	SbPb	35.47016907	1.512701154	476	268.5
55H61SbBaPb	61	Cluster	SbBaPb	34.2245636	1.6240381	409	322.5
55H62SbPb	62	Cluster	SbPb	14.53209305	1.526636839	977	442.5
55H63Cu	63	Cluster	Cu	18.44686127	2.90375185	1005.5	234.5
55H64SbPb	64	Irregular	SbPb	45.85023499	1.684534669	485.5	365.5
55H65SbPb	65	Cluster	SbPb	7.829535961	1.831231952	294	466.5
55H66SbPb	66	Cluster	SbPb	17.31988335	2.141558886	916.5	292.5
55H67SbPb	67	Irregular	SbPb	4.567229271	2.599851131	245	720.5
55H68SbBaPb	68	Cluster	SbBaPb	24.14106941	1.86083746	987.5	59.5
55H69SbBaPb	69	Sphere	SbBaPb	21.64985275	2.020505905	934	651.5
55H6SbBaPb	6	Cluster	SbBaPb	85.23517609	1.471282244	980.5	651.5
55H6SbPb	6	Cluster	SbPb	6.88050127	3.0114007	996	667.5
55H70SbPb	70	Irregular	SbPb	12.81196785	1.996780038	670.5	750.5
55H71SbBaPb	71	Cluster	SbBaPb	517.5204468	1.398170948	270.5	354.5

55H7SbPb	7	Cluster	SbPb	34.16524887	1.516159177	208.5	657.5
55H8SbBaPb	8	Sphere	SbBaPb	20.93807793	1.676040769	260.5	63.5
55H9SbPb	9	Cluster	SbPb	33.21621323	3.799850464	506	260.5
57F1SbPb	1	Cluster	SbPb	3.974082708	2.883452177	558	527.5
57H100SbPb	100	Cluster	SbPb	14.23551941	1.744184136	641	650.5
57H10SbBaPb	10	Irregular	SbBaPb	12.93059731	2.261687994	961	722.5
57H11SbPb	11	Cluster	SbPb	37.13098145	1.284022808	473	466.5
57H12SbPb	12	Cluster	SbPb	27.87789345	1.227865458	631.5	643.5
57H13SbBaPb	13	Cluster	SbBaPb	90.6328125	1.848251939	863	707.5
57H13SbPb	13	Cluster	SbPb	24.08175468	1.685664892	918.5	725.5
57H14SbBaPb	14	Sphere	SbBaPb	32.80101013	1.40728581	550.5	347.5
57H15SbBaPb	15	Irregular	SbBaPb	29.95390701	1.587827444	605	159.5
57H16SbBaPb	16	Cluster	SbBaPb	1.898069263	1.536590576	833	44.5
57H16SbPb	16	Cluster	SbPb	167.979126	3.513917685	638	737.5
57H16SbSnPb	16	Cluster	SbSnPb	0.949034631	1.409002781	842.5	35.5
57H17SbBaPb	17	Irregular	SbBaPb	8.066794395	2.223342419	158.5	162.5
57H18Cu	18	Cluster	Cu	31.37745857	1.475684404	738	128.5
57H19Cu	19	Cluster	Cu	76.21934509	1.48513186	254	731.5
57H1SbBaPb	1	Sphere	SbBaPb	12.57470894	2.256502151	989	540.5
57H20SbPb	20	Irregular	SbPb	30.25047874	2.219834805	458.5	576.5
57H21SbPb	21	Cluster	SbPb	15.48112774	1.522054672	856.5	188.5
57H22SbPb	22	Cluster	SbPb	3.084362507	1.348727107	128.5	393.5
57H23SbBaPb	23	Sphere	SbBaPb	7.829535961	2.157355309	4.5	507.5
57H24SbBaPb	24	Irregular	SbBaPb	17.79439926	2.489508867	116.5	4.5
57H25SbBaPb	25	Sphere	SbBaPb	10.32075214	2.465488911	839.5	601.5
57H26Pb	26	Cluster	Pb	0.889719963	2.410752773	426	97.5
57H26SbPb	26	Cluster	SbPb	360.3959045	1.619829893	111.5	728.5
57H27Cu	27	Cluster	Cu	3.084362507	3.208167553	618	413.5
57H27Pb	27	Cluster	Pb	1.95738399	1.897326708	609.5	401.5
57H27SbPb	27	Cluster	SbPb	81.49835205	1.257118702	591.5	381.5

57H28SbPb	28	Cluster	SbPb	23.66655159	1.175804734	955	728.5
57H29SbBaPb	29	Irregular	SbBaPb	58.60289001	1.844542027	228	172.5
57H2SbPb	2	Cluster	SbPb	13.82031727	1.685950279	824.5	185.5
57H30SbBaPb	30	Sphere	SbBaPb	11.62567425	2.307693243	432	52.5
57H31SbPb	31	Cluster	SbPb	12.04087734	1.917593718	886	307.5
57H32SbPb	32	Irregular	SbPb	6.643242359	1.268320203	279.5	714.5
57H33SbBaPb	33	Sphere	SbBaPb	26.69159889	1.570277452	430	652.5
57H33SbPb	33	Cluster	SbPb	11.7443037	2.596720934	177	643.5
57H34SbBaPb	34	Irregular	SbBaPb	5.101061344	4.205176353	479.5	406.5
57H35SbPb	35	Cluster	SbPb	1.601495981	2.24809289	276.5	761.5
57H36Pb	36	Cluster	Pb	22.12437057	1.161950111	329	625.5
57H36SbBaPb	36	Cluster	SbBaPb	1.126978636	1.600704193	350	614.5
57H36SbPb	36	Cluster	SbPb	21.82779694	1.365751386	317	566.5
57H37SbPb	37	Irregular	SbPb	4.389285088	2.212955713	13.5	611.5
57H38SbBaPb	38	Sphere	SbBaPb	15.48112774	2.463631868	915.5	530.5
57H39SbPb	39	Cluster	SbPb	2.016698599	2.357288599	444.5	8.5
57H3SbPb	3	Cluster	SbPb	2.313271999	5.231611252	151	0.5
57H40SbPb	40	Cluster	SbPb	5.990781307	2.800614595	214	490.5
57H41SbPb	41	Cluster	SbPb	23.84449577	1.390441895	806	454.5
57H42SbPb	42	Cluster	SbPb	43.12176132	1.331291199	433	561.5
57H43SbPb	43	Irregular	SbPb	4.982431889	2.304386616	436	596.5
57H44SbPb	44	Irregular	SbPb	46.68064117	1.455588937	180.5	138.5
57H45SbPb	45	Cluster	SbPb	69.22021484	2.4628613	645.5	733.5
57H46SbPb	46	Irregular	SbPb	6.52461338	2.722807884	584	729.5
57H47SbBaPb	47	Sphere	SbBaPb	12.33745003	2.485101223	857.5	732.5
57H48SbBaPb	48	Sphere	SbBaPb	72.12663269	1.173121691	862.5	281.5
57H49SbPb	49	Cluster	SbPb	158.3108368	1.164904714	824.5	434.5
57H4SbBaPb	4	Irregular	SbBaPb	11.86293316	2.985305548	263.5	166.5
57H50SbBaPb	50	Cluster	SbBaPb	61.09410477	1.20354712	516	395.5
57H51SbPb	51	Cluster	SbPb	11.68498898	2.500906706	410	624.5

57H52SbPb	52	Cluster	SbPb	4.745173454	2.36486721	27.5	679.5
57H53SbPb	53	Cluster	SbPb	5.2196908	2.590374947	924	134.5
57H54SbBaPb	54	Cluster	SbBaPb	1.067664027	1.810290813	70	398.5
57H55Pb	55	Cluster	Pb	1.3049227	3.252150297	52.5	469.5
57H56SbBaPb	56	Cluster	SbBaPb	0.949034631	7.295639992	24.5	474.5
57H57SbBaPb	57	Cluster	SbBaPb	2.253957272	2.838849783	101	474.5
57H58SbBaPb	58	Cluster	SbBaPb	3.61819458	2.953665495	60.5	477.5
57H59SbBaPb	59	Cluster	SbBaPb	2.076013327	2.623956203	93	478.5
57H5SbBaPb	5	Cluster	SbBaPb	30.66568184	1.525332808	361	206.5
57H60Pb	60	Cluster	Pb	2.906418562	2.645237207	27	479.5
57H61SbBaPb	61	Cluster	SbBaPb	4.152026653	2.512898922	71	487.5
57H61SbPb	61	Cluster	SbPb	2.076013327	1.709613204	101.5	494.5
57H62Pb	62	Cluster	Pb	1.067664027	5.00180912	90	513.5
57H63Pb	63	Cluster	Pb	2.313271999	1.935950398	72.5	561.5
57H63SbBaPb	63	Cluster	SbBaPb	1.3049227	4.523783684	47.5	554.5
57H64Pb	64	Cluster	Pb	2.787789345	2.128085613	67.5	589.5
57H65Pb	65	Cluster	Pb	3.677509308	1.867045403	5	615.5
57H66Pb	66	Cluster	Pb	3.440250635	1.93834424	49.5	713.5
57H67SbBaPb	67	Cluster	SbBaPb	2.550530672	2.000466347	40	727.5
57H68SbPb	68	Cluster	SbPb	7.532962322	3.033825397	346.5	429.5
57H69SbPb	69	Cluster	SbPb	26.86954308	1.968779802	307	609.5
57H6SbBaPb	6	Cluster	SbBaPb	71.83006287	1.302639842	877	528.5
57H70SbPb	70	Irregular	SbPb	5.990781307	2.678184748	351	234.5
57H71SbBaPb	71	Cluster	SbBaPb	74.08401489	1.418651342	574.5	543.5
57H71SbPb	71	Cluster	SbPb	10.20212269	2.153205633	590.5	590.5
57H72Pb	72	Cluster	Pb	3.025048018	2.271351814	202.5	10.5
57H73SbPb	73	Cluster	SbPb	35.29222488	4.232275963	739.5	351.5
57H74Cu	74	Cluster	Cu	1.423552036	1.448836327	567.5	627.5
57H74Pb	74	Cluster	Pb	5.694208145	1.842325926	558.5	578.5
57H74SbBaPb	74	Cluster	SbBaPb	77.82083893	1.64723587	531	570.5

57H74SbPb	74	Cluster	SbPb	2.669159889	1.755289197	585	471.5
57H75SbPb	75	Cluster	SbPb	9.015829086	4.245302677	612.5	556.5
57H76SbPb	76	Cluster	SbPb	22.12437057	1.653442979	374	560.5
57H77SbPb	77	Cluster	SbPb	10.91389847	2.228862286	430.5	574.5
57H78SbPb	78	Cluster	SbPb	8.778570175	2.225728512	432.5	693.5
57H79Cu	79	Cluster	Cu	3.143677235	3.723317623	518.5	693.5
57H7SbBaPb	7	Irregular	SbBaPb	9.134458542	2.870876789	487.5	147.5
57H80SbBaPb	80	Sphere	SbBaPb	12.81196785	2.697547913	414.5	130.5
57H81SbBaPb	81	Sphere	SbBaPb	102.6143723	1.106539607	390.5	332.5
57H82SbPb	82	Cluster	SbPb	37.42755508	3.062896013	901.5	432.5
57H83SbPb	83	Cluster	SbPb	8.837884903	2.033222198	677	442.5
57H84SbBaPb	84	Cluster	SbBaPb	8.007479668	2.314985037	609.5	489.5
57H84SbPb	84	Cluster	SbPb	8.363368034	1.606523752	645.5	490.5
57H85Pb	85	Cluster	Pb	4.092711926	2.039657116	694	629.5
57H85SbBaPb	85	Cluster	SbBaPb	8.837884903	1.294936299	727.5	643.5
57H85SbPb	85	Cluster	SbPb	6.050096035	1.891132832	698.5	495.5
57H86SbPb	86	Cluster	SbPb	10.26143742	2.824215412	546.5	507.5
57H87SbPb	87	Cluster	SbPb	8.600626945	1.317598939	539	559.5
57H88SbPb	88	Cluster	SbPb	20.81944847	1.434336543	418	559.5
57H89SbPb	89	Cluster	SbPb	8.897199631	1.986497045	235	567.5
57H8SbBaPb	8	Sphere	SbBaPb	25.26804733	1.788843274	261.5	18.5
57H90SbBaPb	90	Sphere	SbBaPb	54.51017761	1.23731184	811	619.5
57H91SbPb	91	Irregular	SbPb	8.185423851	2.586068869	371.5	262.5
57H92SbPb	92	Cluster	SbPb	93.00539398	1.29392004	105.5	497.5
57H93SbBaPb	93	Irregular	SbBaPb	17.97234344	1.731620073	281.5	48.5
57H94SbBaPb	94	Sphere	SbBaPb	12.21882153	2.993279696	262.5	487.5
57H95SbPb	95	Cluster	SbPb	3.499565363	2.766532898	931.5	730.5
57H96SbBaPb	96	Irregular	SbBaPb	15.42181301	2.210841417	590.5	507.5
57H97SbPb	97	Cluster	SbPb	6.52461338	2.239643097	404.5	388.5
57H98SbPb	98	Cluster	SbPb	98.4030304	1.320294023	84	568.5

57H99SbBaPb	99	Cluster	SbBaPb	2.669159889	2.404662132	602	183.5
57H9SbPb	9	Cluster	SbPb	42.46929932	1.364872694	1000	683.5
28F1SbPb	1	Irregular	SbPb	6.287354469	1.6606493	842.5	391.5
30F1SbPb	1	Cluster	SbPb	74.67716217	1.516722202	649.5	691.5
19H1SbPb	1	Irregular	SbPb	13.58305836	1.726223946	639.5	379.5
33F1SbPb	1	Cluster	SbPb	15.1845541	2.418602943	404.5	505.5
35H1SbPb	1	Irregular	SbPb	6.583928108	2.176285744	96.5	5.5
44H1SbPb	1	Irregular	SbPb	4.033397198	2.524416685	330	765.5
46H1Pb	1	Cluster	Pb	11.86293316	2.731151581	52.5	390.5
54H1SbPb	1	Cluster	SbPb	23.01408958	1.459797025	584.5	603.5

Appendix C

Unique	Breadth (μm)	Direction (degrees)	ECD (μm)	Length (μm)	Perimeter (μm)	Shape	Mean grey	Spectrum Area
2F1SbPb	3.129511595	7.053401	1.694057	3.9270606	14.6613245	7.589116	116.36842	18557
2F2Pb	2.071612835	70.53401	1.554573	2.85051703	10.06660557	4.248588	116.3125	21951
2F2SbBaPb	2.614834547	32.44564	2.128687	4.59508133	18.79424858	7.898182	117.31667	16478
2F2SbPb	0.982608736	14.1068	1.3463	3.01249599	8.671618462	4.203563	197.45833	29244
2F2Ti Zn Cu	3.541588545	1.41068	3.421385	9.50141239	42.5561676	15.67551	117.10323	22178
36H100SbPb	0.969858408	53.60585	1.028253	2.43537474	5.574327469	2.97773	119.71429	17224
36H101SbPb	3.073754072	21.1602	2.802546	7.86871862	31.12739182	12.49915	121.83654	14229
36H102Pb	1.014594197	141.068	1.064343	1.55944371	3.671133041	1.205417	113.13333	13932
36H102SbBaPb	0.947229445	117.0865	1.028253	1.6336863	3.806388855	1.388439	113.78571	14680
36H102SbPb	1.222538948	9.874762	1.759657	2.96278787	8.209826469	2.205528	117.95122	18399
36H103Pb	9.199243546	11.28544	7.150402	15.8574858	113.4593658	25.51059	120.67651	8938
36H103SbPb	2.195496559	150.9428	1.843497	3.05151987	13.29915428	5.273075	119.06667	9694
36H104Pb	3.749485016	25.39224	4.185816	8.93156052	44.59461975	11.5002	120.6638	10721
36H104SbPb	1.125196338	39.49905	1.228998	1.90212357	4.594717503	1.416172	128.14999	16804
36H105Pb	4.049799919	122.7292	3.593637	7.5653863	28.22138023	6.248688	120.18129	11057
36H105SbPb	3.785437584	159.4069	4.456706	7.55382156	38.17593765	7.434505	122.28517	16595
36H106Pb	2.930118561	28.21361	2.019449	3.59591603	15.79939651	6.20177	121.22222	5280
36H106SbPb	0.736654639	149.5321	1.099249	1.42005587	3.806388855	1.214884	120.9375	16129
36H107Pb	1.122104406	131.1933	1.16593	2.24524927	5.709583282	2.429768	115.38889	12943
36H108Pb	1.034059763	50.78449	1.317953	3.11876488	6.824448586	2.716663	121.82609	12041
36H108SbPb	1.327343702	45.14177	1.505209	3.09982514	7.150985241	2.286857	122.9	20385
36H109SbPb	1.039039493	36.67769	1.13308	2.43544531	5.574327469	2.452248	123.76471	14549
36H10Pb	1.217730165	124.1399	1.45417	1.75618029	5.980095387	1.71351	121.14286	11603
36H10SbPb	1.970033765	159.4069	2.232585	4.93133116	18.18759155	6.724111	122.22727	17744
36H110BaPb	2.606852293	64.89129	2.47331	3.48698807	17.39926147	5.014239	120.50617	12629
36H110Pb	2.164607525	170.6923	1.625811	3.20317125	13.24312878	6.722667	120.68571	10981

36H110SbPb	1.57097888	12.69612	1.884018	3.24926734	8.648411751	2.135026	119.23404	12635
36H111Pb	5.376028538	32.44564	4.176785	6.89262438	37.14030457	8.01138	121.51948	15177
36H112SbPb	0.981408417	146.7108	1.197879	1.75619519	4.076900959	1.173641	119.10526	15060
36H113SbPb	2.188004732	67.71265	1.962552	2.62297511	7.286241055	1.396578	123.41177	18759
36H114SbPb	5.369997501	21.1602	5.022377	8.32295895	44.12321472	7.820171	121.60479	17279
36H115Pb	1.704822183	77.58742	2.331859	4.4907589	11.61044693	2.511851	126.22222	19510
36H115SbPb	1.387940288	143.8894	1.53009	2.09495068	5.056510448	1.106544	123.3871	18219
36H116Pb	0.73544687	157.9962	1.028253	1.31152749	3.671133041	1.291518	116.92857	8987
36H116SbPb	1.091423273	124.1399	1.228998	1.75618029	5.439071178	1.984485	122.5	20446
36H116Unclassified	2.194299936	162.2282	1.716202	3.31235385	13.76094723	6.51419	120.35897	1688
36H117SbPb	2.072177649	40.90973	1.903955	2.58890295	7.61277771	1.619845	117.79166	19165
36H118Pb	1.718059301	169.2816	2.074787	3.96463919	15.82260418	5.892634	120.98245	6782
36H119SbPb	3.787804842	163.6389	3.778044	8.09531879	41.8702774	12.44452	121.65079	14623
36H11SbPb	8.050553322	69.12333	7.139832	11.9430456	95.11330414	17.98072	121.99555	13693
36H120SbPb	7.8298769	46.55245	5.771058	12.4041204	75.45149994	17.31911	121.45125	16162
36H121SbBaPb	5.361561298	9.874762	5.399204	9.12830353	47.00601959	7.679768	121.59326	15161
36H122Pb	4.997866631	40.90973	4.88517	9.32495213	48.48984909	9.982584	122.2057	13535
36H122SbPb	1.223735571	26.80293	1.45417	2.7229023	7.071753502	2.396209	122.32143	16992
36H123Pb	1.642746449	32.44564	2.092908	3.1754632	9.436740875	2.059892	120.43104	8717
36H123SbPb	2.93095088	166.4603	3.41033	6.0247612	24.2005043	5.102189	121.18182	13452
36H124SbPb	2.378914356	80.40878	2.092908	4.20414543	12.39877605	3.555969	123.98276	8536
36H125SbPb	1.720469236	5.642721	2.181255	5.13758135	12.72531223	3.448457	120.93651	13974
36H126SbPb	10.85258865	18.33884	7.964816	15.1720037	157.4569397	39.59795	123.725	17473
36H127Pb	4.902569771	150.9428	3.70742	9.81695271	35.77813339	9.436096	123.02198	16021
36H127SbPb	6.849330425	167.871	6.374223	20.1567936	112.1532211	31.36676	121.58179	17126
36H128Pb	1.948368192	104.3903	2.563278	4.78482294	16.97028732	4.441069	122	3533
36H128SbPb	7.698099613	31.03497	4.319014	11.9037619	65.03514862	22.97353	122.53036	15661
36H129SbPb	3.175700903	153.7641	2.074787	4.90118551	17.99631119	7.622905	121.10526	16083
36H12SbPb	2.968090773	19.74952	4.176785	6.7003994	28.35663605	4.670096	120.5671	14052
36H130Pb	1.713235736	35.26701	1.981699	2.97282338	11.61044693	3.477947	120.30769	10746

36H131BaPb	1.528874636	143.8894	1.401273	2.09495807	6.880473614	2.442821	117.80769	16325
36H131SbBaPb	0.746298194	172.103	1.197879	3.68546939	8.209826469	4.759297	117.52631	16180
36H131SbPb	2.648756266	8.464081	3.309178	6.88840485	25.52985573	6.030553	118.96552	15486
36H132Pb	2.20634985	163.6389	2.78904	5.31898499	14.9782505	2.922223	116.83495	13055
36H133SbPb	10.06118488	119.9078	10.05227	14.2883205	115.1152496	13.28734	122.17414	11388
36H134Pb	0.829587936	166.4603	1.064343	2.00825882	4.459461689	1.778697	120.8	13252
36H134SbPb	3.414423466	172.103	4.230681	10.0914631	45.15884781	11.54425	121.36709	13547
36H135Pb	3.22731185	162.2282	2.533644	4.62065554	19.14399338	5.784616	120.31765	13748
36H135SbBaPb	2.681382895	156.5855	2.198498	4.25332975	18.51412773	7.185467	119.28125	15548
36H135SbPb	1.125196338	29.62428	1.317953	1.96351552	5.900863647	2.031102	121.52174	14728
36H136SbPb	8.778396606	29.62428	7.322599	11.4490709	95.21575165	17.13119	120.94648	14590
36H137SbPb	1.233382821	8.464081	2.379944	5.40718555	16.69016457	4.982971	122.33334	14223
36H138SbPb	5.575530052	125.5505	3.37695	7.16284561	43.71744919	16.98092	121.76821	15511
36H139Pb	1.960408688	15.51748	3.181182	7.32663393	25.01204109	6.263569	121.36567	9925
36H139SbPb	2.178773642	9.874762	1.578676	2.96278405	11.3399353	5.228001	122.30303	12920
36H13SbPb	5.617159367	39.49905	5.57808	7.9513526	51.25099182	8.553341	122.0534	15282
36H140SbPb	1.310754418	53.60585	1.45417	2.43537474	5.900863647	1.668405	120	13775
36H141Pb	9.181435585	57.83789	7.635628	13.243618	96.36342621	16.13748	120.98705	8632
36H142SbPb	3.176905155	31.03497	2.47331	4.80324078	20.47334671	6.942583	121.5679	15428
36H143Pb	1.217730165	141.068	1.228998	1.55944371	5.574327469	2.084411	120.5	9034
36H143SbPb	1.378553152	150.9428	1.427966	2.5074656	6.824448586	2.314194	122.77778	14641
36H144SbPb	2.454710245	172.103	3.583113	6.64722776	27.97407532	6.175768	120.47059	14117
36H145BaPb	1.450588346	121.3185	1.625811	2.84015632	7.99533844	2.450384	119.31429	16928
36H145Pb	16.66947174	35.26701	10.87854	27.6331978	244.7333679	51.27974	121.37205	16051
36H145SbPb	1.715647459	7.053401	2.315609	5.89059114	18.76143265	6.651232	120.88732	17106
36H146Pb	4.075293064	8.464081	3.476131	6.16572475	30.69841576	7.902061	121.63125	17376
36H147Pb	3.586045742	141.068	3.39924	5.0208106	27.89484406	6.823149	120.5817	8339
36H147SbBaPb	2.473834038	167.871	2.26616	4.72876787	20.12360382	7.98971	122.20588	11121
36H147SbPb	1.224946976	153.7641	1.401273	2.17830539	6.936497688	2.482765	121.46154	15310
36H148Pb	1.167007446	157.9962	1.16593	3.16591239	7.724826813	4.447679	120.22222	17904

36H148SbPb	1.954373598	153.7641	1.694057	2.72287989	11.3399353	4.540106	120.86842	15426
36H149SbPb	1.696356654	155.1748	1.903955	3.48704576	12.20749569	4.165243	120.41666	14298
36H14Pb	0.980204344	153.7641	1.16593	1.6337384	4.132925034	1.273125	113.27778	15143
36H14SbPb	1.211219311	9.874762	1.228998	2.72285771	6.497912407	2.832345	112.75	14567
36H150Pb	0.962857068	9.874762	1.578676	2.72285008	7.804058552	2.476028	121.66666	13534
36H150SbPb	1.46367681	26.80293	1.288984	2.72290373	7.421497345	3.358836	118	12845
36H151Pb	1.203013897	29.62428	1.401273	2.50733566	6.418680668	2.125919	123.11539	6169
36H152Pb	2.097648621	159.4069	2.379944	5.47296238	17.37605476	5.400942	122.05334	8190
36H152SbPb	3.24310565	148.1214	3.309178	6.89281034	32.1630249	9.571372	121.72414	15208
36H153SbBaPb	1.490366697	55.01653	1.716202	2.97285509	7.477521896	1.923442	116.38461	13375
36H153SbPb	3.684480906	149.5321	3.886432	7.31017113	30.12457466	6.087518	120.495	16044
36H154SbPb	1.556262612	50.78449	2.019449	3.11876488	8.209826469	1.674567	120.98148	14102
36H155SbBaPb	1.473301768	149.5321	1.427966	2.84010434	7.61277771	2.879725	119.7037	13892
36H156SbPb	3.166098356	97.33694	3.239989	10.8148909	37.7701683	13.76929	122.16547	13849
36H157Pb	1.22133112	22.57088	1.099249	1.85468233	6.092144489	3.112066	121.9375	16444
36H157SbPb	1.743366718	165.0496	2.395758	5.55362701	18.43489647	5.99924	123.35526	15940
36H158Pb	1.655883312	126.9612	1.13308	2.43546033	7.804058552	4.806406	122.29412	10411
36H159Pb	1.636858582	57.83789	1.648874	2.29759979	6.036119938	1.357818	113.5	16498
36H159SbPb	2.132163048	160.8176	2.664404	3.62044954	12.61326408	2.270678	119.31915	13374
36H15Pb	4.642986298	14.1068	4.431214	10.2778492	50.76599503	13.29844	120.59231	12639
36H160SbPb	4.35486412	126.9612	4.422685	16.7071476	53.10777664	14.60982	120.86873	15812
36H161SbPb	3.466963291	31.03497	3.614591	6.55759192	32.98417282	8.437105	122.44508	17977
36H162Pb	0.953150332	162.2282	1.259348	2.31032777	5.112535	1.669866	118.80952	18667
36H162SbPb	1.296811223	33.85632	1.45417	3.51245713	7.804058552	2.918175	121.25	20111
36H163Pb	1.089604259	153.7641	1.228998	1.63372719	5.168559074	1.791998	116.9	12383
36H163SbBaPb	3.678455591	173.5137	4.221746	8.33760834	32.59199905	6.03863	118.35169	15270
36H163SbPb	0.991045296	163.6389	1.822898	3.54598856	10.57481384	3.409739	120.11364	15172
36H163Unclassified	1.704822183	57.83789	1.923686	2.29759979	7.286241055	1.453582	120.16327	1514
36H164SbPb	3.668813229	8.464081	2.548504	5.1663003	24.16768646	9.111714	122.69768	15692
36H165Pb	4.45156765	5.642721	4.301492	7.58518267	44.26808167	10.73109	120.74694	14547

36H165SbPb	1.464873433	143.8894	1.738065	2.09495807	7.094961166	1.688373	115.35	15431
36H166SbPb	5.613539696	11.28544	5.119185	10.4124393	75.59636688	22.09534	122.0634	14126
36H167SbPb	3.423840284	57.83789	3.847372	14.4572306	44.92115784	13.81256	122.17347	19083
36H168Pb	1.466077447	23.98156	1.903955	2.94268298	9.133411407	2.331596	120.95834	6024
36H168SbPb	4.870905399	114.2651	3.320569	6.42968035	29.50431824	7.999204	122.73972	17196
36H168Unclassified	1.217730165	117.0865	1.288984	1.63367891	5.247790813	1.679418	120.45454	2528
36H169Pb	5.878312588	157.9962	5.995696	14.201005	88.59617615	22.12338	121.79622	15718
36H169SbPb	4.149877548	167.871	3.251622	6.73598576	33.71647644	10.89393	121.39286	17221
36H16Pb	1.461276174	66.30197	1.3463	2.39862514	8.265850067	3.819375	119.83334	5861
36H16SbPb	5.666243076	8.464081	5.945098	12.8132277	66.47655487	12.66833	121.80342	11934
36H170SbPb	2.445077896	8.464081	2.533644	4.684515	20.14680862	6.406518	121.6	15203
36H171SbPb	6.673557281	18.33884	6.020835	12.01474	90.08000183	22.68005	121.14792	16563
36H172Pb	1.470893741	19.74952	1.427966	2.85061002	8.648411751	3.716528	119.44444	10821
36H173Pb	0.662452936	5.642721	1.028253	2.44760489	5.191766739	2.583037	127.35714	14321
36H173SbPb	6.322906017	7.053401	4.915991	10.0593472	63.27682114	16.78679	122.37187	14694
36H174Pb	4.824930668	104.3903	4.001327	6.79311895	33.38993835	7.055435	118.35849	10153
36H174SbPb	1.218919277	16.92816	1.401273	2.54267454	6.171375751	1.965256	115.76923	20456
36H175Pb	1.144684196	22.57088	1.16593	3.16609836	7.342266083	4.018057	121.88889	16128
36H176Pb	1.965715528	166.4603	1.822898	5.25741816	13.56966591	5.614538	123.61364	16151
36H176SbPb	2.090052605	124.1399	1.923686	3.85061073	12.47800732	4.263073	124.30612	10783
36H177Pb	1.81592226	38.08837	1.822898	3.11875558	8.457131386	2.18083	122.79546	4621
36H177SbPb	5.623187065	16.92816	4.877434	10.1707001	47.96242523	9.797609	120.72381	10961
36H177Unclassified	3.029445648	36.67769	2.457996	6.08861732	19.22322464	6.197134	120.1625	2313
36H178Pb	1.222531438	166.4603	1.53009	2.008255	6.362656116	1.752038	119	15542
36H178SbPb	2.686200857	169.2816	3.74794	6.44819641	25.91241837	4.843188	120.44624	17445
36H179Pb	2.924926996	8.464081	3.14537	6.40662479	29.04252625	8.638253	121.89313	13860
36H179SbPb	3.416835308	19.74952	3.16929	5.16047335	23.30012512	5.476377	118.93233	16378
36H17SbPb	4.600171566	14.1068	4.877434	8.03332329	41.00271606	7.160497	120.7619	15614
36H180Pb	1.709281683	166.4603	2.442585	5.25743675	17.86105537	5.417707	119	15506
36H180SbPb	2.934577942	12.69612	3.737851	8.50630283	36.46402359	9.642416	121.22703	18943

36H181Pb	2.874776602	32.44564	2.315609	4.93127203	19.47052956	7.163506	120.07042	9099
36H181SbPb	10.23965073	7.053401	11.02336	26.7642975	308.7249146	79.47229	120.73089	14971
36H182SbPb	5.957036972	141.068	4.212792	9.01413155	58.70531082	19.67503	123.55319	17521
36H183SbBaPb	2.693436861	143.8894	2.84268	4.18991613	18.2436161	4.173173	122.13084	15852
36H184SbPb	1.198348165	153.7641	1.13308	2.17830539	5.327022552	2.239487	122.70588	20216
36H185Pb	0.995864511	5.642721	2.110873	5.37994194	14.11069012	4.527651	121.15254	17764
36H185SbPb	5.121638775	172.103	4.020157	9.09305668	51.81522751	16.83176	120.2757	10987
36H186SbBaPb	1.718059301	162.2282	2.299244	3.31235743	11.36314201	2.474727	117.9	13734
36H187Pb	3.175701857	121.3185	2.181255	3.71751809	21.70026016	10.02808	121.98412	7008
36H187SbPb	1.222536087	26.80293	1.064343	1.63374579	4.72997427	2.001035	118.13333	10279
36H188Pb	1.463669419	12.69612	1.16593	2.24537563	6.880473614	3.52852	120.77778	17316
36H188SbPb	1.176651001	21.1602	1.427966	2.62290621	8.345082283	3.460397	121.88889	17987
36H189Pb	1.988481045	53.60585	1.738065	3.31250978	10.16904545	3.468397	121.65	15700
36H189SbPb	2.205017567	129.7826	1.671618	3.80431414	10.7100687	4.159214	122.37838	11493
36H18SbPb	5.099616528	156.5855	4.728049	9.05040169	47.65909195	10.29504	121.34798	15272
36H190Pb	3.033254623	43.73109	2.882255	7.06281996	25.58588219	7.984294	121.74545	16392
36H190SbPb	1.706006765	21.1602	1.13308	2.08073974	6.148168564	2.983122	121.94118	19267
36H191Pb	1.359470367	64.89129	1.13308	2.94257975	7.127778053	4.009478	123.17647	19825
36H192SbBaPb	0.978985429	149.5321	1.064343	1.42007077	3.479852438	1.083076	120.06667	12872
36H192SbPb	7.247545719	32.44564	6.083229	9.52635193	63.59374619	11.0729	121.2	15803
36H193Pb	7.80783987	5.642721	4.961864	9.06332684	53.01893234	11.56839	121.22392	14872
36H194SbPb	5.766781807	172.103	3.508568	7.61216593	42.00553513	14.52292	122.49693	16078
36H195Pb	3.161936045	29.62428	2.163874	3.92705321	16.04670143	5.571963	121.16129	10484
36H195SbPb	1.211858511	45.14177	1.427966	4.13310099	10.30430126	5.275963	123.44444	21045
36H196SbBaPb	0.733046174	12.69612	1.401273	3.4868598	7.23021698	2.697477	114.88461	13843
36H197SbBaPb	1.232178807	7.053401	1.884018	3.68535423	12.09544659	4.176134	122.19149	15776
36H198Pb	1.476927042	12.69612	2.331859	4.25315142	14.05466557	3.680755	122.375	14445
36H199Pb	4.652362347	142.4787	3.239989	6.77124548	34.01019287	11.16431	120.84892	11442
36H199SbPb	4.212056637	129.7826	4.631218	6.04946661	26.31818581	3.272066	121.22183	19195
36H19BaPb	1.337704539	122.7292	1.53009	3.17541862	8.401106834	3.054497	121	13579

36H19Pb	0.974184096	117.0865	1.099249	2.17825341	6.092144489	3.112066	120.3125	11008
36H19SbPb	3.546709538	174.9243	3.010417	11.487958	35.02262115	13.71338	121.50833	14530
36H1SbBaPb	1.712031603	12.69612	2.000664	3.48686743	13.13108063	4.364691	118.92453	14556
36H200Pb	1.998960733	165.0496	2.563278	6.79296303	18.54694366	5.304615	119.4138	13496
36H200SbPb	4.399451256	21.1602	2.934192	6.01510668	30.66559792	11.06691	121.7807	14235
36H200Unclassified	1.217730165	98.74761	1.228998	2.96264291	7.342266083	3.616251	123.95	3747
36H201SbBaPb	1.148868561	167.871	1.374061	3.48704576	8.130595207	3.547587	114.44	14978
36H202SbPb	3.43249917	166.4603	3.181182	7.50244856	29.9332943	8.970831	121.76865	12153
36H203Pb	5.618370533	29.62428	3.666453	6.76648712	39.5284996	11.77685	121.88202	15773
36H204Pb	1.512753129	114.2651	1.288984	2.39861774	7.454314709	3.388607	121.68182	19551
36H204SbPb	1.470574141	162.2282	1.943216	3.31236124	10.16904545	2.774718	120	14706
36H204Unclassified	1.467283368	153.7641	1.479909	2.17830539	8.265850067	3.160862	121.10345	1773
36H205Pb	1.461276174	39.49905	1.554573	1.90212357	7.015729427	2.063593	120.28125	11490
36H205SbPb	2.463145971	162.2282	2.563278	6.39278603	21.53218651	7.149661	121.9885	17791
36H206Pb	1.92003572	21.1602	2.181255	5.47293663	22.10602951	10.40661	122.14286	12496
36H206SbPb	0.977788806	162.2282	1.064343	1.54021609	3.671133041	1.205417	124.6	16188
36H207SbPb	2.704282045	160.8176	3.286277	5.93074131	32.27507401	9.772976	120.76923	16507
36H208SbPb	1.756785989	153.7641	1.505209	3.81203628	13.05184841	7.61818	123.4	17609
36H209BaPb	1.624722838	108.6224	1.884018	3.0806253	11.28391075	3.634543	121.04256	14229
36H209Cu	4.936489105	114.2651	3.497789	6.97381639	41.90309525	14.54138	122.62963	18126
36H209Pb	1.433969378	118.4971	1.45417	4.68444061	11.06942368	5.871112	121.96429	6668
36H209SbBaPb	1.550383568	21.1602	2.26616	4.16148329	13.78415394	3.748692	123.22059	18015
36H209SbPb	5.839121342	108.6224	3.656139	15.9424839	55.52878571	23.37177	120.49152	17158
36H20Pb	2.201524258	22.57088	2.282762	5.02077341	20.09078598	7.848256	120.46377	10819
36H20SbPb	1.22977066	165.0496	2.074787	3.78084993	10.63083744	2.660042	120.82456	17963
36H210SbBaPb	2.205144882	162.2282	2.488531	4.0824728	17.5345192	5.030397	122.21951	17006
36H210SbPb	2.212376118	174.9243	3.309178	5.6226964	28.76240349	7.654394	121.57241	11687
36H211SbPb	0.974184096	119.9078	1.197879	1.96352291	4.403437614	1.369174	124.36842	16002
36H212SbPb	0.974184096	117.0865	1.197879	1.6336863	4.324205875	1.320345	123.94736	17312
36H213Pb	3.586045742	25.39224	2.092908	5.12026024	17.34323692	6.957621	121.25862	2710

36H213SbPb	5.136095047	162.2282	5.638676	9.70515442	53.40149307	9.087683	121.52257	17801
36H213Unclassified	1.395246387	73.35538	1.505209	3.31247258	8.457131386	3.198551	121.33334	2259
36H214Pb	3.245331764	28.21361	2.592574	5.7733593	24.5502491	9.085528	122.25843	10166
36H214SbPb	2.657073259	42.32041	1.943216	3.62056947	14.30197048	5.488456	119.08	9300
36H215SbPb	0.980204344	163.6389	1.288984	1.77300727	4.268181801	1.110942	117.36364	14294
36H216SbPb	1.166476011	70.53401	1.427966	3.62054706	8.536363602	3.620849	122.03704	17541
36H217SbPb	4.17833662	11.28544	3.656139	8.45408249	40.29361725	12.30631	120.66102	16431
36H218Pb	1.879900575	78.99809	1.962552	3.96455002	10.95737362	3.15843	121.86275	10575
36H218SbPb	2.727528811	56.42721	2.128687	4.39057732	13.99864197	4.381764	122.55	19475
36H219SbPb	1.722879291	4.23204	2.26616	6.10799456	19.66180992	7.627223	121.85294	14332
36H21Pb	1.494186997	55.01653	2.038062	8.37985611	18.68220139	8.513768	120.78181	11891
36H21SbPb	3.166098356	126.9612	3.121267	3.99422026	19.70822525	4.039557	121.65116	15954
36H220Pb	3.887802601	142.4787	2.895327	5.5536046	26.97125816	8.792408	122.4054	13383
36H220SbPb	5.421307087	35.26701	6.01456	11.5518284	64.14437866	11.52418	119.61587	9194
36H221SbBaPb	3.316456556	9.874762	3.915472	7.16703749	31.02495193	6.361428	112.97537	14649
36H222BaPb	1.762334347	53.60585	1.625811	3.31251717	12.70210552	6.184603	121.91428	14453
36H222Pb	15.30689526	35.26701	10.15319	18.5158825	219.1242828	47.19291	121.13333	13520
36H222SbPb	1.22735703	11.28544	1.288984	2.48368931	6.553936958	2.619451	121.22727	13493
36H222Unclassified	0.974184096	105.801	1.288984	1.77303708	4.268181801	1.110942	116.90909	2056
36H223Pb	0.974184096	66.30197	1.259348	2.39861774	5.383046627	1.851252	121	18997
36H223SbPb	0.736654639	172.103	1.064343	1.72212493	3.806388855	1.295876	128	20400
36H224SbPb	4.57503891	146.7108	4.020157	7.22835112	38.55849838	9.320836	121.76168	16551
36H225Pb	2.938769817	38.08837	2.548504	4.67813444	20.66462708	6.661701	121.02325	8974
36H225SbBaPb	0.978992879	26.80293	1.197879	1.63374209	5.844839096	2.412237	119.31579	16482
36H225SbPb	1.634622812	146.7108	1.981699	2.63428903	7.533545971	1.46428	121.96154	14131
36H226Pb	3.142138004	102.9797	2.692599	6.49861813	24.6622963	8.500103	120.97916	3787
36H226SbBaPb	2.105149746	166.4603	2.019449	3.24916124	10.93416691	2.970339	124.72222	11997
36H226SbPb	1.642273545	146.7108	1.648874	2.63428903	6.171375751	1.419351	122.02778	14741
36H227Pb	1.217730165	71.94469	1.16593	2.31042433	6.092144489	2.766281	121.27778	2618
36H227SbBaPb	2.425768375	53.60585	1.981699	3.31251717	11.36314201	3.331363	119.48077	12532

36H227SbPb	0.89375031	23.98156	1.228998	4.25327015	8.704435349	5.082527	121.9	11040
36H228Pb	1.03700304	63.48061	1.228998	2.17834258	5.439071178	1.984485	115.4	6794
36H228SbPb	1.073957086	16.92816	1.401273	3.31256843	9.651228905	4.806404	122.69231	16539
36H229SbPb	0.709485352	162.2282	1.099249	2.31032777	4.865230083	1.984793	116.6875	19374
36H22Pb	1.614473462	15.51748	1.943216	3.54598498	8.536363602	1.955258	119.84	11359
36H22SbPb	3.186544895	174.9243	4.3884	8.79790688	39.39324188	8.164539	120.22745	16548
36H230Pb	1.954418182	129.7826	1.903955	3.46131468	12.72531223	4.526099	122.375	11370
36H230SbPb	10.54924107	66.30197	6.892256	13.0809288	117.093689	29.24454	120.70906	17278
36H231Pb	0.816393495	47.96313	1.228998	3.27657533	6.745216846	3.05204	121.25	9577
36H231SbPb	0.867439449	42.32041	1.228998	3.62056947	7.724826813	4.002911	122.25	20498
36H232Pb	1.22133112	21.1602	1.3463	2.08075476	5.112535	1.461133	116.91666	13282
36H233SbPb	3.178109169	167.871	3.625023	6.73598576	32.60160828	8.195157	119.86207	17638
36H234Pb	1.725291133	2.82136	2.074787	5.12024879	19.60578537	9.047364	121.82456	13493
36H235Pb	2.110313416	33.85632	2.092908	4.39056969	13.29915428	4.091178	119.87931	13165
36H235SbPb	0.983184755	29.62428	1.13308	1.96352661	5.359839439	2.267165	118.17647	8828
36H236SbBaPb	9.273909569	152.3535	8.819718	12.4205055	89.77667999	10.49828	119.57573	17235
36H236SbPb	0.978985429	15.51748	1.602417	3.78065658	8.401106834	2.784983	117.14706	11839
36H237Pb	0.976592183	18.33884	1.197879	1.54032004	4.324205875	1.320345	124.57895	18760
36H237SbPb	1.034973979	135.4253	1.064343	1.72208023	4.132925034	1.52775	114.4	13490
36H238Pb	2.470333338	49.37381	2.110873	4.14734697	16.34042168	6.071597	121.45763	5505
36H238SbPb	0.877138793	146.7108	1.064343	1.75618029	3.99766922	1.429391	127.33334	16994
36H239Pb	2.553888559	16.92816	2.315609	3.31256938	16.06990814	4.879742	118.50704	11146
36H239SbPb	2.044387817	55.01653	2.056507	4.72864676	12.31954384	3.636048	121.39286	12139
36H23SbPb	1.084332824	114.2651	1.863867	4.79723549	10.87814236	3.451279	122.65218	19345
36H240SbPb	6.066417217	145.3001	4.79939	12.4303761	66.59820557	19.50984	121.62295	16801
36H241Pb	1.38049674	77.58742	1.259348	3.48700118	8.783667564	4.929023	120.90476	4042
36H241SbPb	6.345381737	139.6573	6.242535	8.98144341	69.66268158	12.61767	121.67248	15312
36H242SbBaPb	1.724087	173.5137	2.78904	5.89023447	18.89668846	4.651174	115.58253	14234
36H243Cu	3.517248392	165.0496	4.908304	10.5738163	48.87639618	10.04699	121.08778	15915
36H243Pb	2.008092403	163.6389	3.204834	7.09197712	22.75910187	5.109751	121.49265	10327

36H244SbPb	8.577267647	36.67769	9.270587	14.0765562	105.5992737	13.14644	118.56151	15112
36H245SbPb	2.449149847	152.3535	2.577967	5.77363443	19.8762989	6.023054	123.01136	15918
36H246Pb	9.207672119	56.42721	7.893381	20.9401016	138.3881683	31.14386	122.19637	16044
36H246SbPb	1.171715975	16.92816	1.943216	4.08245802	10.90135002	3.188739	123.84	16500
36H247Pb	3.362009764	56.42721	2.411468	4.93109369	21.42974854	8.001508	122.87013	12119
36H247SbBaPb	3.166098356	73.35538	2.26616	4.31559849	22.67987061	10.14847	121.44118	13090
36H247SbPb	3.829218388	131.1933	2.347997	7.07945347	22.83833313	9.585933	121.53425	12682
36H248Pb	11.93842983	16.92816	9.957916	22.1141796	283.8521118	82.32808	120.73877	13451
36H248SbBaPb	1.206767321	128.3719	1.13308	1.55943632	5.63035202	2.501788	122.11765	8609
36H248SbPb	2.581344128	14.1068	2.427076	6.79295492	25.69792938	11.35874	122.46154	12920
36H249SbBaPb	5.566930771	132.6039	6.126526	7.92927837	24.41499138	1.609108	117.80684	14292
36H24Pb	1.635774851	57.83789	1.822898	3.17540741	8.671618462	2.292852	122.40909	9345
36H24SbPb	2.19826889	132.6039	1.863867	3.27638817	10.1130209	2.982857	122.45652	17530
36H250Pb	1.760134339	66.30197	1.843497	7.41888189	16.56451797	8.180382	121.04444	9794
36H250SbPb	3.365228176	63.48061	2.592574	9.25795269	24.16768646	8.804578	121.32584	19212
36H251Pb	3.647730827	148.1214	2.802546	7.43505096	25.86600304	8.630853	120.35577	6356
36H251SbPb	5.826813221	62.06993	4.456706	11.5471249	57.39916229	16.80675	121.1635	12506
36H252SbPb	6.79240942	142.4787	5.461785	10.7656994	79.8317337	21.64624	121.4	14066
36H253Pb	1.054781437	76.17673	1.317953	2.00831819	5.056510448	1.491428	125.52174	15569
36H253SbBaPb	5.693520069	29.62428	4.8151	9.81763649	57.70249176	14.55054	119.44625	13814
36H253SbPb	1.151588917	50.78449	1.13308	1.55938244	3.806388855	1.14342	124.47059	19319
36H25SbPb	1.852543712	114.2651	1.738065	2.39861774	6.633168221	1.475742	114.65	14871
36H26SbPb	3.657278299	172.103	3.827692	7.37093878	38.50247192	10.25189	121.03608	15372
36H27Pb	1.383741021	42.32041	1.374061	2.9324708	9.301485062	4.642939	120.32	6968
36H27SbPb	5.242534637	177.7457	5.976772	17.2975502	83.00824738	19.54383	122.55814	14254
36H28SbPb	1.843307018	162.2282	2.128687	3.31235385	8.401106834	1.578157	116.98333	16070
36H29Pb	7.072392941	19.74952	5.989394	12.7131348	98.6723938	27.49959	121.17263	13486
36H29SbPb	5.374824524	166.4603	5.286119	12.0495377	62.50208664	14.16497	122.78108	14650
36H2SbPb	1.234586835	14.1068	2.128687	5.02082539	12.93980026	3.74397	121.88333	14060
36H30Pb	2.70118475	73.35538	2.411468	4.31559849	20.83270073	7.561863	120.84415	6002

36H30SbPb	4.101128578	14.1068	3.331921	4.78462601	22.18526077	4.492004	121.2517	18556
36H31SbPb	4.387412548	11.28544	4.396996	7.92874289	39.37003326	8.123067	121.62109	13294
36H32SbPb	2.447482109	11.28544	3.421385	7.45107555	25.93562508	5.82224	121.36129	16406
36H33Pb	1.474520683	162.2282	1.903955	3.08044696	11.09263039	3.439191	120.20834	7234
36H33SbPb	1.950746536	172.103	2.092908	3.685462	14.30197048	4.731427	120.94827	16874
36H34SbPb	7.173046589	166.4603	7.166227	16.3028088	122.5367432	29.62458	122.34853	17032
36H35SbPb	0.975380719	29.62428	1.099249	1.96352661	4.459461689	1.667529	118.5	16437
36H36SbPb	4.405464172	19.74952	4.212792	6.7003994	35.64287567	7.252806	121.85107	15605
36H37SbPb	5.485437393	143.8894	5.829648	12.372982	61.7233696	11.35835	121.69334	15913
36H38Pb	1.41840589	53.60585	1.602417	2.43537855	5.709583282	1.286348	118.82353	8527
36H38SbPb	1.222278714	146.7108	1.401273	1.75619519	5.518302917	1.571325	120.80769	13364
36H39SbPb	0.978786647	149.5321	1.028253	1.42005217	3.344596386	1.071983	114.92857	16178
36H3Pb	5.123058319	173.5137	5.148606	9.54754257	50.08010101	9.586315	122.17664	14417
36H40Pb	1.704822183	63.48061	2.198498	3.26751399	9.921740532	2.063593	120.64063	10565
36H41Pb	1.965908766	52.19517	1.401273	4.33613062	11.17186165	6.440301	122.80769	10108
36H41SbPb	0.977788806	7.053401	1.228998	1.9635303	4.459461689	1.334023	123.75	18412
36H42SbPb	2.20877099	169.2816	2.678539	4.96712208	20.36129761	5.854849	120.7579	16726
36H43Pb	1.228562951	15.51748	2.347997	3.78064179	11.55442238	2.45359	121.76712	14675
36H44Pb	1.714068174	153.7641	1.981699	3.81203628	9.436740875	2.297572	127.30769	14366
36H44SbPb	1.1481179	153.7641	1.3463	2.7228837	6.171375751	2.129027	121.25	14131
36H45SbPb	1.23941052	165.0496	2.442585	4.54958677	11.63365364	2.298442	120.83544	14792
36H46SbPb	10.0686636	53.60585	7.213495	14.6122561	113.4921799	25.08078	121.98113	16463
36H47Pb	3.964728355	125.5505	2.748122	5.06777573	24.27973557	7.908904	119.43	16390
36H47SbPb	1.982193232	153.7641	2.038062	3.81203628	15.5520916	5.899882	121.85455	15995
36H48SbPb	2.208759785	8.464081	2.621542	4.68451643	15.44004345	3.514666	122.07692	15562
36H49Pb	1.597256303	166.4603	1.401273	3.01238823	9.571996689	4.727811	120.38461	10493
36H49SbPb	3.552454948	21.1602	3.876704	7.55368376	28.62714958	5.524991	120.52764	13957
36H4SbPb	2.25564003	15.51748	3.16929	7.32663774	23.22089386	5.439195	121.00752	16671
36H50SbPb	4.86645174	152.3535	5.214196	10.4582834	49.6975441	9.204406	121.46667	14063
36H51SbPb	0.980198324	141.068	1.3463	1.55943632	4.594717503	1.180144	120.20834	11541

36H52Pb	3.595839739	155.1748	4.598489	8.06276512	34.71929169	5.7758	121.98929	17957
36H52SbPb	8.174853325	21.1602	7.576051	13.1145334	105.1374817	19.51327	120.90527	17527
36H53Pb	3.608521461	9.874762	3.181182	9.1283083	35.83415604	12.85636	120.26865	8717
36H53SbPb	1.122951746	40.90973	1.228998	2.58889961	5.980095387	2.398914	112.5	13161
36H54SbPb	2.201516867	16.92816	1.759657	4.85235405	17.12874985	9.600546	121.65854	16184
36H55SbPb	2.197905302	162.2282	2.110873	3.08043218	11.72249603	3.124759	121.66102	15826
36H56Pb	3.65796566	35.26701	2.84268	5.40733051	25.47383308	8.136417	122.8785	13707
36H57SbPb	4.571560383	166.4603	4.49887	9.27393913	51.71278381	13.38719	119.86567	12909
36H58Pb	3.433703184	21.1602	3.583113	7.3265543	43.23244858	14.75024	123.63529	11388
36H58SbPb	1.713235736	142.4787	1.694057	2.43530416	6.633168221	1.553413	118.3421	14063
36H59Pb	2.101818323	165.0496	2.26616	6.32235622	21.72346878	9.310603	121.36765	17201
36H59SbPb	1.4865762	167.871	2.548504	5.49426413	14.78697014	3.411052	122.24419	19419
36H59Unclassified	1.46728158	143.8894	1.401273	2.09495807	7.61277771	2.990483	120.30769	2020
36H5BaPb	3.706718683	101.569	2.563278	5.73196793	22.95038223	8.122486	122.24138	12972
36H5Pb	9.348189354	2.82136	6.260655	16.5770187	102.6700668	27.24888	121.2158	14562
36H5SbBaPb	4.574013233	39.49905	3.551357	6.57999229	31.78046417	8.113951	121.34731	15045
36H5SbPb	1.222538948	156.5855	1.317953	1.85477901	5.247790813	1.6064	112.6087	13847
36H60Pb	1.46728158	12.69612	1.716202	3.24926734	11.7457037	4.745936	121.20513	11668
36H61Pb	4.025436401	73.35538	3.109146	6.08851671	30.46072197	9.725206	121.88281	7073
36H61SbPb	5.784396648	47.96313	3.963399	6.55314827	38.63773346	9.629158	121.54327	16822
36H62Pb	2.437838554	9.874762	3.133342	6.92709446	25.39459991	6.655303	121.83077	9964
36H62SbPb	2.694644213	5.642721	3.982408	8.82095718	32.05097961	6.562838	121.95715	18642
36H63SbBaPb	5.260736942	78.99809	2.869124	6.44820929	28.96329498	10.32519	122.37614	13248
36H63SbPb	6.194310188	47.96313	3.963399	8.45386696	39.93426895	10.28624	120.84615	17904
36H64Pb	2.782562494	167.871	2.650193	5.73236942	20.20283508	5.888031	120.30108	14696
36H64SbPb	1.950754046	19.74952	2.092908	3.62056208	11.80172729	3.221748	120.5	17196
36H65SbPb	5.531663895	15.51748	6.870306	21.8104019	111.9523315	26.90386	122.9248	15202
36H66SbPb	11.46218967	23.98156	9.168191	13.5263586	111.4073181	14.961	121.08446	15472
36H67SbPb	5.132482529	165.0496	5.874815	8.56574726	49.12369919	7.084258	121.31728	16185
36H68Pb	2.194292545	29.62428	2.692599	3.92704582	14.76376343	3.04615	120.57291	13096

36H68SbPb	2.197919607	45.14177	1.716202	3.09982324	10.03378868	3.463329	124.17949	19771
36H69Pb	2.924926996	4.23204	2.706587	6.59375906	26.54228401	9.74391	121.22681	11857
36H69SbBaPb	1.535451889	47.96313	1.16593	3.27657533	8.457131386	5.330919	121.55556	19109
36H69SbPb	5.004607677	23.98156	5.014853	11.9932499	64.14437866	16.57683	122.16817	17777
36H6SbPb	2.688608885	16.92816	3.486977	5.85524368	25.77716064	5.536977	120.52174	15305
36H70Pb	3.406492949	60.65925	2.895327	6.43439245	18.16438293	3.987923	122.90991	20386
36H71SbPb	1.713235736	170.6923	2.056507	2.96285105	8.592387199	1.768757	121.03571	16427
36H72Pb	12.50607109	159.4069	9.927533	17.4164696	162.4110107	27.11745	119.9318	13988
36H72SbPb	1.83374846	156.5855	2.518696	3.70955801	10.68686199	1.824104	120.63095	15147
36H73SbPb	1.230974674	155.1748	1.716202	2.94270897	8.592387199	2.539753	123.58974	17239
36H74Pb	4.819005013	25.39224	4.573788	10.5649834	65.01194	20.4708	121.58123	14707
36H74SbPb	1.223750353	135.4253	1.197879	1.72206545	5.844839096	2.412237	122.94736	13579
36H75Pb	3.903919935	162.2282	5.037392	8.1649332	37.51325607	5.618995	121.21726	15603
36H76SbPb	10.83978271	145.3001	8.892204	17.1591663	191.8128815	47.14518	121.32569	13320
36H77SbPb	10.16351986	149.5321	8.72069	14.4104357	142.8940582	27.20366	121.55909	12294
36H78SbPb	4.647267342	150.9428	5.350024	16.1328983	69.87717438	17.28462	121.08971	16806
36H79SbPb	1.709621668	8.464081	2.411468	4.684515	13.07505703	2.978687	120.77922	15995
36H7SbPb	5.039688587	14.1068	4.977062	6.79295349	35.81095123	5.245492	119.14024	17655
36H80BaPb	0.981400967	12.69612	1.45417	2.24536824	6.959704876	2.320877	121	9147
36H80Pb	0.974184096	126.9612	1.028253	1.21773016	3.671133041	1.291518	120.28571	17204
36H80SbPb	1.706005812	26.80293	1.759657	2.7229023	9.324691772	2.845205	120.97561	14580
36H81SbBaPb	0.861489832	150.9428	1.064343	1.96339655	4.324205875	1.672437	117.66666	14414
36H81SbPb	2.668043375	138.2467	2.299244	3.27655911	14.03145885	3.773427	124.94286	17423
36H82SbPb	3.161163092	157.9962	2.664404	6.01477242	26.04767418	9.683636	121.08511	14688
36H83SbPb	1.473316669	14.1068	2.019449	4.78462982	17.15195847	7.309069	124.68519	16107
36H84Pb	3.915971518	162.2282	3.95386	7.93300915	38.68414307	9.698935	120.86957	16023
36H85SbPb	5.609927654	170.6923	5.413174	8.88856792	61.88183212	13.24107	123.79639	15031
36H86Pb	0.985005736	156.5855	1.401273	2.39853597	6.171375751	1.965256	127.26923	17951
36H86SbBaPb	0.926211417	159.4069	1.16593	2.08084393	4.594717503	1.573525	116.16666	11925
36H86SbPb	1.718059301	4.23204	2.692599	6.10798979	14.57248211	2.967729	125.1875	17291

36H87Pb	4.609454632	174.9243	3.934713	8.55532742	45.48538589	13.53999	121.1561	15376
36H87SbPb	0.980198801	153.7641	1.16593	1.6337384	3.941644907	1.158006	115	15687
36H87Unclassified	1.209286928	56.42721	1.288984	1.75623226	4.132925034	1.041648	115.90909	3232
36H88Pb	1.948368192	125.5505	1.759657	2.97271752	9.515972137	2.963131	121.60976	11860
36H88SbPb	1.466077447	170.6923	1.863867	3.20319366	8.648411751	2.18144	122.95652	15222
36H89SbPb	1.223750353	146.7108	1.3463	1.75619519	4.594717503	1.180144	126.75	17594
36H8Pb	6.334530354	163.6389	6.045869	12.4109697	89.88871765	22.39719	121.70661	13135
36H8SbPb	1.704822183	49.37381	1.479909	2.58880615	8.401106834	3.265152	119	13169
36H90Pb	0.97900033	18.33884	1.259348	1.54031265	4.921254158	1.547251	123.14286	17260
36H90SbPb	0.976592183	12.69612	1.228998	2.24536824	5.844839096	2.291625	123.35	19534
36H91Pb	1.754188418	135.4253	1.45417	2.75533748	8.671618462	3.603054	121.21429	7843
36H91SbPb	7.330387592	124.1399	5.571306	8.78090191	67.97397614	15.08245	121.51825	14318
36H92Pb	1.217730165	119.9078	1.3463	1.96351552	5.247790813	1.539466	114.45834	19897
36H92SbPb	6.332196712	118.4971	4.767814	8.0663023	46.89397049	9.801577	122.87376	18622
36H93SbPb	6.107871056	155.1748	5.731664	8.28380489	51.02689743	8.030406	121.14253	15344
36H94SbPb	1.896471262	148.1214	1.45417	2.29760337	9.898533821	4.694746	121.78571	15541
36H95Pb	1.996143937	31.03497	2.000664	4.80324078	14.24594593	5.137302	120.0566	9804
36H95SbPb	7.527540207	23.98156	5.598351	11.6717319	80.13505554	20.75991	121.35422	11848
36H96SbPb	2.943006277	155.1748	2.90834	5.66440725	27.78279495	9.246178	122.45536	12887
36H97Pb	1.249607801	60.65925	1.064343	2.50742841	6.553936958	3.841861	123.13333	12932
36H98SbPb	0.734242797	26.80293	1.064343	1.63374305	3.61510849	1.168907	125.2	18103
36H99SbPb	4.364816189	55.01653	3.465251	7.16278601	31.12739182	8.175546	120.13837	13065
36H9SbPb	1.713239431	5.642721	2.163874	4.65284538	15.22555542	5.016294	120.85484	10955
47H100Pb	2.404362917	135.4253	1.625811	3.09974146	10.36032581	4.114406	120.82858	13365
47H100SbPb	0.980196953	15.51748	1.578676	2.77681708	7.939313889	2.562598	124.21212	17170
47H101SbPb	1.217730165	63.48061	1.099249	1.63375318	5.056510448	2.143928	113.3125	21337
47H102Pb	2.439782143	18.33884	2.457996	3.85079646	13.56966591	3.087996	120.6875	7911
47H102SbPb	4.15762949	38.08837	3.530027	6.77111912	40.87707138	13.58639	119.53333	17243
47H103Pb	1.218922973	21.1602	1.401273	2.62290668	6.633168221	2.270372	120.96154	5576
47H103SbPb	1.22012341	163.6389	1.505209	2.5426507	7.477521896	2.500475	117.03333	13934

47H104Pb	1.544950485	28.21361	1.317953	4.14027119	9.436740875	5.19451	122.04348	18135
47H104SbPb	2.853428841	169.2816	2.503659	3.96463919	16.99349403	4.667838	122.09638	17644
47H105SbPb	2.55518198	62.06993	2.364024	7.19167614	19.62899399	6.985424	121.79729	20171
47H106SbPb	3.547527075	101.569	2.110873	5.97057915	18.4677124	7.755372	121.0339	17586
47H107SbPb	1.221342325	33.85632	1.028253	1.75623226	5.765607834	3.185595	120.42857	16499
47H108SbBaPb	1.480540991	170.6923	2.563278	4.44428396	11.25109386	1.952085	115.0115	13884
47H109Pb	2.529807568	45.14177	2.056507	7.57735252	19.25604057	8.883302	122.10714	14076
47H109SbPb	1.088881373	104.3903	1.863867	5.78897476	13.89620209	5.632002	121.67391	17653
47H10Pb	0.977787912	18.33884	1.374061	2.3104763	5.709583282	1.749433	119.24	7894
47H10SbPb	1.224954486	150.9428	1.197879	1.96338916	6.959704876	3.420239	120.94736	20142
47H110SbPb	1.964013457	14.1068	2.47331	4.7846241	21.77949142	7.856677	121.04939	12420
47H111Pb	8.418588638	126.9612	5.413174	12.7129345	52.11855698	9.392505	121.38402	13014
47H111SbPb	3.491943598	129.7826	2.761829	8.29461956	26.75677109	9.509867	122.46535	14040
47H112Pb	0.752324045	5.642721	1.505209	5.13758135	10.84532547	5.26008	124.13333	14743
47H112SbPb	1.594993114	56.42721	1.53009	2.63434839	7.342266083	2.333066	123.06451	19280
47H113SbBaPb	7.085429192	162.2282	9.168191	11.2453775	56.44276047	3.840164	119.41959	13670
47H114Pb	2.439042568	9.874762	2.299244	5.9255681	17.26400566	5.712333	121.08572	4236
47H114SbBaPb	1.458908916	156.5855	1.13308	2.39853597	6.497912407	3.33217	121.70588	10791
47H114SbPb	1.122921944	55.01653	1.028253	2.0949645	5.303815365	2.695735	121.85714	15506
47H115Pb	1.621786952	33.85632	1.45417	4.39056969	10.49558163	5.278171	122.78571	11274
47H115SbPb	0.826992154	38.08837	1.259348	3.99429083	8.298667908	4.399728	122.19048	20699
47H116SbPb	1.200018644	29.62428	1.228998	1.9635303	4.785998344	1.536539	116.55	9376
47H116Unclassified	1.273421407	15.51748	1.401273	2.77681708	8.265850067	3.525577	121.73077	9081
47H117Pb	1.599831581	7.053401	2.074787	3.92705321	10.95737362	2.825963	119.66666	16200
47H117SbPb	0.976592183	172.103	1.197879	1.72211742	4.132925034	1.206118	120.21053	13189
47H118SbPb	4.051442623	19.74952	3.686993	7.24113369	31.18341637	7.247751	121.20556	17066
47H119Pb	1.588305712	152.3535	1.3463	3.59567809	10.41635036	6.065245	120.41666	7897
47H119SbBaPb	1.709281683	162.2282	1.13308	2.31032777	6.824448586	3.675485	123.88235	16775
47H119SbPb	2.605562687	7.053401	2.621542	5.89057636	26.21574783	10.13238	120.8022	16744
47H11Pb	8.222800255	155.1748	5.454867	10.2400961	84.61772919	24.38119	121.0863	12948

47H11SbPb	8.413516045	152.3535	5.271813	11.2185173	85.22438812	26.47941	121.6875	16482
47H12SbPb	1.950754046	170.6923	2.315609	5.68536663	17.91707802	6.066029	120.77465	15318
47H13Pb	1.034130454	146.7108	1.317953	1.75619519	4.842022896	1.367585	121.95652	4518
47H13SbPb	1.227362514	9.874762	2.163874	4.20424461	11.41916656	2.821666	119.80645	13046
47H14Pb	1.771364808	63.48061	1.625811	3.81209946	9.571996689	3.512089	119.82858	10091
47H14SbBaPb	1.623094201	128.3719	1.505209	2.7767427	7.939313889	2.818857	120.23333	14142
47H14SbPb	0.986224651	12.69612	1.505209	3.48685622	8.401106834	3.156314	116.96667	15107
47H15SbPb	0.981408417	174.9243	1.13308	2.69005084	6.227400303	3.060505	121.23529	14945
47H16SbPb	1.851397157	35.26701	2.692599	3.85060883	14.35799503	2.88101	119.0625	15236
47H17SbBaPb	2.688608885	156.5855	2.882255	3.70955801	18.43489647	4.144929	121.13636	15673
47H18Pb	1.224946976	159.4069	1.53009	2.08085871	5.327022552	1.228106	116.03226	6204
47H18SbBaPb	1.95195806	33.85632	2.181255	2.63433743	10.1130209	2.177959	122.60317	19849
47H18SbPb	1.228562951	150.9428	1.3463	2.5074656	7.939313889	3.523572	121.375	13768
47H19Pb	1.234586835	160.8176	2.038062	3.62044311	9.921740532	2.401273	121.83636	8197
47H1Pb	2.927903652	74.76605	2.347997	4.5497613	22.02679634	8.916784	119.76712	7364
47H1SbPb	1.223735571	15.51748	1.259348	1.77299249	5.574327469	1.985153	123.2381	14651
47H20SbBaPb	1.480764031	121.3185	1.13308	2.29743981	6.609961033	3.44808	118.23529	13671
47H21Pb	2.197912216	159.4069	1.884018	2.85047245	12.860569	4.721184	121.97872	7749
47H22SbPb	1.950761437	11.28544	1.923686	4.72854471	19.03194427	9.917418	121.61224	13373
47H23SbPb	1.108187199	117.0865	1.197879	2.17824602	5.900863647	2.458702	123	18525
47H24Pb	1.15650177	32.44564	1.099249	2.29754019	5.900863647	2.919709	122.3125	3471
47H24SbPb	1.661268115	26.80293	1.602417	3.26748419	10.2810936	4.170884	120.20588	11715
47H25SbPb	5.065356731	102.9797	3.343235	9.98525333	31.00174522	8.712423	121.50676	19430
47H26SbPb	2.146762133	149.5321	2.232585	3.38342261	12.91659355	3.391411	120.92424	18488
47H27BaPb	0.974184096	66.30197	1.028253	2.39862514	5.900863647	3.33681	121.5	12100
47H27Pb	0.951173306	57.83789	1.099249	2.29759979	4.842022896	1.965903	122.125	7752
47H27SbPb	1.309305191	165.0496	1.738065	4.54958677	13.32236099	5.95293	125.05	20254
47H28Pb	1.241097689	102.9797	1.259348	3.24931192	8.130595207	4.223318	120.33334	9890
47H28SbPb	2.917334795	121.3185	2.607098	6.55767441	19.68501663	5.776403	121.13333	19630
47H29Pb	1.227065206	173.5137	1.671618	4.16880417	11.57763004	4.860333	123.43243	9987

47H29SbPb	2.297737122	157.9962	2.364024	4.47744751	18.76143265	6.381588	121.4054	17834
47H2BaPb	1.671006441	126.9612	1.288984	3.99422026	9.763277054	5.812955	121.31818	13770
47H2Pb	1.758031011	142.4787	1.694057	4.33593369	11.09263039	4.344241	117.92105	9052
47H2SbBaPb	2.43779397	111.4437	2.650193	8.41146469	27.84842873	11.18786	120.84946	16029
47H2SbPb	3.395924091	18.33884	2.921294	9.47308445	29.83085632	10.56529	120.76106	19720
47H30Cu	1.057947636	49.37381	1.064343	2.58880997	5.765607834	2.973222	120.66666	22200
47H30Pb	0.734250247	21.1602	1.028253	1.3114531	3.671133041	1.291518	120.07143	3805
47H30SbPb	4.022790432	26.80293	3.583113	5.9903903	34.58403778	9.439106	119.91765	11865
47H31Pb	1.712031603	11.28544	1.602417	3.72553778	14.47004414	8.262076	122.44118	15507
47H31SbPb	0.864050269	142.4787	1.028253	2.7768023	5.63035202	3.037886	118.5	13065
47H32Pb	1.962809443	9.874762	2.364024	5.44570017	21.9707737	8.751598	122.36487	16291
47H33Pb	2.213587284	172.103	1.843497	5.16635227	15.03427505	6.738774	121.35555	6798
47H33SbPb	3.904733658	71.94469	4.743995	11.5521517	50.22497177	11.35668	119.43624	16298
47H34Pb	1.087766528	21.1602	1.3463	2.62290621	5.709583282	1.822326	116.75	7135
47H35Pb	4.173014641	5.642721	5.475595	21.2774067	88.03194427	26.18897	120.23174	18449
47H35SbPb	8.913005829	7.053401	6.218291	14.7115164	97.50150299	24.91042	121.14844	19210
47H36SbBaPb	10.9726944	1.41068	13.76532	16.0811577	84.12311554	3.784064	117.50498	10362
47H37Pb	3.43513751	12.69612	3.74794	17.4342842	50.35061646	18.28627	120.5914	18238
47H37SbPb	1.203013897	35.26701	1.374061	2.09503984	6.497912407	2.265876	120.92	20913
47H38Pb	2.377598763	170.6923	2.282762	6.16605186	22.67025948	9.992918	119.82609	10802
47H38SbPb	1.957573295	155.1748	1.884018	3.48704576	13.84017849	5.467816	120.61702	18009
47H39Pb	2.894331217	159.4069	3.047815	4.16171741	13.49043369	1.985067	117.89431	15209
47H39SbBaPb	1.198346376	162.2282	1.16593	1.54022348	4.842022896	1.747469	112.44444	15362
47H39SbPb	46.03330994	112.8544	40.77792	98.7269135	2017.787109	248.0854	120.89404	17295
47H3Pb	1.530709982	135.4253	1.288984	2.75533748	7.61277771	3.534207	121.09091	5568
47H3SbPb	1.962809443	9.874762	2.518696	4.44418001	16.77900505	4.496572	121.08334	13555
47H40Pb	1.894215465	73.35538	1.694057	3.3124764	11.85775185	4.964203	122.44736	7994
47H41Pb	1.792809248	176.335	1.962552	3.9043324	13.95222664	5.120888	120.58823	11545
47H41SbPb	2.140630484	118.4971	1.802065	5.55895567	14.74055576	6.779344	120.93023	18797
47H42SbPb	1.960393906	9.874762	3.432404	7.40697145	24.62948036	5.216921	122.03846	17300

47H43Pb	0.974184096	110.0331	1.197879	2.08076954	7.286241055	3.74871	123.57895	4246
47H43SbBaPb	1.482161283	26.80293	1.401273	3.26748419	8.536363602	3.760113	120.69231	13919
47H43SbPb	4.681248665	119.9078	3.216595	9.60649967	40.16797256	15.80039	121.26277	12767
47H44Pb	1.704822183	143.8894	1.671618	2.09495068	7.939313889	2.28556	119.37838	4898
47H44SbPb	1.464873433	166.4603	1.694057	2.00825143	7.398290157	1.932447	122.44736	13274
47H45Pb	4.396612167	18.33884	2.379944	5.62228775	24.71831894	10.92962	120.44	8584
47H45SbPb	11.55285072	4.23204	5.206949	17.1095772	103.7153015	40.19941	121.68523	16583
47H46SbPb	1.748086333	124.1399	1.602417	3.51237535	11.47519112	5.196002	120.73529	14718
47H47Pb	1.472105145	16.92816	2.038062	4.31545734	14.95504379	5.455582	121.10909	8528
47H47SbPb	1.755310655	35.26701	1.780987	2.97282529	9.977765083	3.180136	119.83334	19322
47H47Unclassified	1.561287045	67.71265	1.943216	3.93446708	10.49558163	2.955775	120.26	2970
47H48Pb	1.856280327	49.37381	1.374061	4.83418941	11.17186165	6.697913	122.92	10684
47H48SbPb	6.270709038	126.9612	4.439728	10.4239159	56.83493042	16.60422	121.27969	17854
47H49Pb	2.588732004	129.7826	1.802065	5.36346817	15.99067688	7.977993	122.13953	8651
47H4Pb	1.464873433	32.44564	1.317953	2.29753661	7.883289814	3.625063	117.95652	2429
47H4SbPb	15.12032223	110.0331	9.808911	24.8858318	206.9263916	45.09109	122.40345	16347
47H50Pb	0.9787848	156.5855	1.028253	1.85477901	4.785998344	2.195055	122.35714	5694
47H50SbPb	0.856194198	166.4603	1.099249	3.0123806	6.418680668	3.454618	120.375	12027
47H51SbPb	1.470901132	166.4603	2.000664	3.0123806	12.09544659	3.703364	121.66038	12629
47H52SbPb	3.969187737	35.26701	3.508568	8.57900715	32.06058884	8.460261	122.96319	15923
47H53Pb	1.269890904	138.2467	1.317953	2.93267536	7.477521896	3.261489	123.04348	17892
47H53SbBaPb	1.461276174	129.7826	1.3463	1.90216076	4.977278709	1.384845	115.04166	13387
47H53SbPb	1.955575824	174.9243	1.625811	2.93264556	8.345082283	2.669449	128.28572	19570
47H54Pb	3.586064339	131.1933	2.775468	4.83419323	22.95038223	6.928003	120.65686	12173
47H54SbPb	1.400415659	32.44564	1.064343	3.17545199	7.342266083	4.821669	125.2	10320
47H55Pb	3.422863007	165.0496	3.497789	5.55362701	26.26216125	5.711817	122.06173	7836
47H55SbPb	0.981404722	8.464081	1.3463	3.44420505	9.977765083	5.565238	121.125	13087
47H56SbPb	4.347260952	146.7108	3.216595	5.80941391	27.92765999	7.637952	121.37956	19885
47H57SbPb	2.505875111	146.7108	1.981699	4.93131638	14.89901924	5.727174	121.78846	19686
47H58Pb	3.314397573	124.1399	3.41033	4.72870827	20.52937126	3.671631	120.28571	17510

47H58SbPb	3.972298145	55.01653	2.592574	6.82360983	29.15457535	12.81303	122.05618	17737
47H59Pb	1.038355708	33.85632	1.028253	1.75622857	4.459461689	1.905747	120.42857	1923
47H5Pb	1.217730165	56.42721	1.16593	1.75623226	4.72997427	1.667529	121.77778	5129
47H60Pb	0.736658335	163.6389	1.028253	1.77299249	3.806388855	1.388439	117.85714	1723
47H61Pb	6.235084534	38.08837	5.014853	11.9828634	66.88231659	18.02216	121.62762	13420
47H61SbPb	1.344847083	26.80293	1.625811	3.26748419	8.130595207	2.533991	119.08572	18459
47H62Pb	1.4662745	122.7292	1.602417	3.17541862	8.671618462	2.967221	120.23529	7109
47H62SbPb	8.003178596	155.1748	5.286119	9.6957674	74.28060913	20.0068	120.33784	11871
47H63Pb	2.829119205	132.6039	2.232585	3.96463919	17.91707802	6.525577	120.33334	4709
47H63SbPb	1.194972038	2.82136	1.884018	5.12026358	10.98058128	3.441765	115.95744	12328
47H64Pb	1.696349144	146.7108	1.943216	2.63429284	7.533545971	1.522851	120.52	10194
47H64SbPb	2.688058853	159.4069	2.411468	4.93133116	19.82027245	6.84474	123.06493	15651
47H65SbPb	2.354342699	126.9612	2.019449	3.65317559	10.63083744	2.807822	120.46296	15199
47H66Pb	1.448447704	36.67769	1.3463	4.87089062	10.55160522	6.223781	122.41666	8873
47H66SbPb	0.842161775	167.871	1.228998	3.48704576	8.209826469	4.521332	123.25	17672
47H67Pb	1.486620784	53.60585	1.401273	2.43537664	6.036119938	1.880056	120.76923	19542
47H67SbPb	2.071709394	170.6923	2.748122	11.0910063	26.80318451	9.638317	121.21	13100
47H68Pb	5.881256104	31.03497	4.695994	9.94072914	58.65889359	15.80932	120.73288	11266
47H69SbPb	1.771476269	66.30197	1.625811	4.25334454	12.31954384	5.817677	121.91428	19030
47H6SbPb	1.162313938	73.35538	1.099249	1.77291071	4.459461689	1.667529	122.25	10256
47H70Pb	2.417027712	125.5505	2.249435	2.97271371	12.59005642	3.174015	121.98508	8368
47H71Pb	3.096446276	160.8176	1.962552	5.1606369	17.51131058	8.066693	121.84314	15426
47H71SbPb	0.733038723	22.57088	1.099249	1.85468233	4.076900959	1.393698	126.3125	20583
47H72SbPb	1.420665264	67.71265	1.45417	2.62297654	6.959704876	2.320877	121.25	19950
47H73SbBaPb	0.983576834	165.0496	1.374061	2.77681708	6.171375751	2.043866	114.76	11435
47H74Pb	5.672080994	172.103	5.097008	9.85022068	42.71463013	7.115792	121.96512	15881
47H74SbBaPb	1.613968134	80.40878	1.505209	4.68442965	11.12544727	5.535312	120.5	20776
47H74SbPb	5.421329498	128.3719	4.473619	14.7191639	58.91580582	17.57301	120.45283	13970
47H75Pb	1.355170727	47.96313	1.16593	2.93260837	7.421497345	4.105244	121.22222	4229
47H76SbPb	1.217730165	117.0865	1.288984	1.63369381	5.439071178	1.804078	119.77273	19382

47H77Pb	1.166520596	7.053401	1.028253	1.9635303	4.977278709	2.37402	122.92857	6629
47H77SbBaPb	1.17860949	108.6224	1.13308	3.0806253	7.071753502	3.946697	121.94118	14272
47H77SbPb	1.959197283	28.21361	1.578676	3.05154967	12.94941044	6.817332	121.24242	18702
47H78Pb	1.466077447	9.874762	1.45417	2.72285056	8.974947929	3.859529	121.67857	9725
47H78SbBaPb	2.13656497	157.9962	1.479909	3.93458223	11.80172729	6.443496	122.89655	19333
47H78SbPb	2.924930573	172.103	2.232585	5.16634846	21.91474724	9.762419	119.5303	19917
47H79Pb	5.229234219	157.9962	3.551357	7.64335251	38.82901001	12.11224	121.1976	12248
47H7SbPb	1.108659148	129.7826	1.197879	1.90216815	5.495095253	2.132187	120.52631	15463
47H80Pb	2.289145231	22.57088	2.056507	3.70935726	16.91426277	6.854039	121.875	16981
47H80SbPb	7.8042202	8.464081	6.03962	11.5729256	73.14253235	14.86008	121.26501	15145
47H81Pb	0.882739127	157.9962	1.505209	2.62305498	6.689192772	2.001034	118.33334	12140
47H81SbPb	1.670566082	159.4069	1.427966	2.85047245	7.804058552	3.026256	123.14815	17729
47H82SbBaPb	3.182932854	176.335	4.292705	6.59343195	18.97591972	1.979905	117.85246	13372
47H83SbPb	7.562829494	126.9612	4.687946	8.86514091	60.01145554	16.60366	120.46392	14898
47H84Pb	1.374948382	28.21361	1.625811	3.59590864	8.536363602	2.793226	121.11429	6293
47H84SbBaPb	2.682105541	28.21361	1.943216	3.59590864	14.49325085	5.636247	122.92	18957
47H84SbPb	1.149760485	23.98156	1.602417	2.39864731	6.036119938	1.43769	124.85294	18738
47H85SbBaPb	7.276634216	149.5321	8.558979	11.3604174	62.89426041	5.471151	114.12062	14357
47H86Pb	2.364170074	155.1748	2.074787	3.48704576	15.22555542	5.45632	120.64912	14127
47H86SbPb	1.898171425	128.3719	1.625811	3.11887264	9.110203743	3.181387	122.74286	17277
47H87Pb	2.506737232	141.068	2.128687	3.46135926	12.66928864	3.589067	122.93333	18759
47H87SbPb	0.978992879	165.0496	1.259348	2.7768023	6.903680325	3.044882	125.14286	18214
47H88Pb	3.926408529	149.5321	3.388113	5.34679699	27.60112572	6.724165	121.31579	11637
47H88SbPb	4.627374649	56.42721	3.331921	6.68732595	27.97407532	7.142045	122.2381	18667
47H89Pb	1.224946976	35.26701	1.099249	2.09503984	6.577144146	3.627297	122.1875	13521
47H8SbBaPb	2.481028557	166.4603	2.074787	5.02063942	15.47286034	5.635011	121.63158	20417
47H8SbPb	12.98764515	148.1214	7.806797	16.6254654	145.5295563	35.20929	121.50062	13442
47H90SbPb	0.739066482	15.51748	1.288984	2.77683187	6.171375751	2.322575	122.36364	21593
47H91SbPb	1.267579436	117.0865	1.505209	3.26737261	7.780850887	2.707456	123	20971
47H92SbPb	2.207559586	145.3001	2.110873	3.85080385	11.28391075	2.895314	118.66102	12647

47H93Pb	3.025714397	143.8894	2.000664	6.96544027	19.17680931	9.309048	122.16982	13311
47H93SbPb	3.991020441	141.068	3.14537	7.79718876	32.33110046	10.70528	120.61069	19720
47H94Pb	1.475365877	157.9962	1.822898	3.93458223	9.5952034	2.80727	117.75	19407
47H94SbPb	13.21121216	45.14177	9.881784	18.4263134	236.8692932	58.21667	120.70921	11511
47H95SbBaPb	5.368794441	146.7108	5.014853	6.68751144	36.18390274	5.274909	123.04805	10184
47H96Pb	3.698119402	47.96313	2.802546	7.24107933	25.01204109	8.070368	121.15385	11920
47H96SbPb	2.791280508	57.83789	2.427076	6.35080767	19.52655411	6.558206	122.5	20143
47H97SbPb	0.741474569	169.2816	1.16593	2.48356295	5.327022552	2.115071	124.27778	17687
47H98SbPb	0.999105036	63.48061	1.028253	2.17834258	6.204193115	3.68868	119.71429	19213
47H99Pb	2.114431143	45.14177	2.019449	3.09982514	8.998155594	2.0116	120.90741	14207
47H99SbPb	2.397967339	124.1399	1.802065	3.85061812	14.6613245	6.706661	120.48837	15731
47H9Pb	1.149760485	26.80293	1.13308	2.17832303	5.574327469	2.452248	121.41177	11596
18H100SbPb	1.713235736	160.8176	2.232585	3.62044311	8.209826469	1.370101	108.16666	86008
18H101SbPb	11.54288387	49.37381	12.65927	18.3064842	65.24002838	2.690985	105.5966	104905
18H102SbPb	3.903923512	45.14177	3.181182	5.51080132	21.14962769	4.478464	114.61194	78659
18H103SbPb	21.32036972	14.1068	20.76424	31.8377266	271.2796631	17.29429	111.02067	99554
18H104SbPb	1.223742962	8.464081	2.503659	5.40720034	11.25109386	2.046161	103.87952	107131
18H105SbPb	8.994862556	141.068	9.110348	14.3774357	69.0888443	5.827021	110.88262	94315
18H106SbPb	7.798197746	155.1748	5.413174	10.4611444	57.60404205	11.47368	112.28093	77641
18H107SbPb	1.961597919	149.5321	2.442585	3.38343763	8.480338097	1.221315	109.1519	86494
18H108SbPb	5.774994373	16.92816	5.350024	7.39503288	36.48723221	4.712713	115.06068	88126
18H109SbPb	2.452309608	160.8176	3.06018	4.39054728	15.90183544	2.735906	110.93549	96508
18H10SbPb	3.602293015	50.78449	4.167734	5.3634901	18.15477371	1.92257	116.03478	101807
18H110SbPb	6.705423832	129.7826	5.678714	8.82476807	42.84027481	5.766404	112.85948	96455
18H111SbPb	1.881877661	45.14177	1.923686	3.09982324	7.556753635	1.563518	111.89796	112340
18H112Pb	2.211758852	19.74952	2.198498	2.85060954	7.804058552	1.276702	102.0625	28784
18H112SbPb	2.104166985	18.33884	2.650193	3.85079503	9.515972137	1.306327	103.63441	81700
18H113Pb	1.934783578	172.103	2.503659	6.8884697	15.90183544	4.087379	96.361443	24314
18H113SbBaPb	1.034973979	128.3719	1.13308	1.55943632	3.671133041	1.063603	96.176468	47427
18H113SbPb	6.124281883	60.65925	6.356426	9.2734642	35.91339111	3.234353	111.2729	99454

18H114SbPb	8.019195557	71.94469	8.802576	10.7820053	50.92445755	3.391047	109.66082	81423
18H115Pb	3.653190374	126.9612	3.817814	4.87092066	14.32517719	1.426498	103.83938	33752
18H115SbPb	1.525341868	157.9962	2.110873	3.93458223	8.671618462	1.709924	101.49152	96808
18H116SbPb	1.304578066	46.55245	2.110873	5.3413043	11.3399353	2.924136	112.18644	105129
18H117SbPb	1.468489766	19.74952	2.411468	3.62056208	9.786483765	1.668749	111.41558	78039
18H118SbBaPb	1.241818666	172.103	2.299244	5.40758705	12.55723858	3.022169	99.028572	81368
18H118SbPb	2.440254211	5.642721	3.263215	6.61571407	17.26400566	2.83591	109.37589	71710
18H119SbBaPb	14.87661266	38.08837	14.25584	17.3448429	79.76609802	3.172133	103.03716	68778
18H11SbPb	1.956781745	14.1068	3.035401	4.78462267	10.98058128	1.325926	112.99181	92026
18H120Pb	1.723165393	66.30197	1.780987	2.39862514	6.497912407	1.348736	99.738098	29257
18H120SbPb	2.935811758	18.33884	4.185816	10.7822256	25.93562508	3.889859	106.90517	99364
18H121SbPb	9.220537186	49.37381	8.716358	11.2269154	54.15700531	3.911467	108.36083	74784
18H122SbPb	5.020091534	126.9612	6.302734	11.9826822	30.74482918	2.410943	110.26996	94549
18H123SbPb	3.662793159	32.44564	4.405576	6.01471281	15.51927471	1.257298	113.15564	89377
18H124SbPb	1.965224981	172.103	3.035401	5.16634512	12.28672695	1.660126	105.69672	89181
18H125SbPb	1.240614533	172.103	2.815988	5.6488142	12.1186533	1.876497	100.92381	103257
18H126SbPb	6.092186451	152.3535	7.155681	10.787035	38.03107071	2.862041	108.06785	93420
18H127SbBaPb	1.726495147	166.4603	2.299244	5.02064705	11.96019077	2.741616	102.41428	60881
18H128SbPb	1.953162074	21.1602	2.882255	5.24581242	13.40159225	2.190527	113.18182	97653
18H129SbPb	7.072392941	173.5137	6.224361	7.85363817	42.25283813	4.668989	110.61208	97388
18H12BaPb	4.331511497	170.6923	6.742708	12.8127747	37.21953201	3.087264	100.82724	78361
18H12SbBaPb	8.975872993	159.4069	9.355733	17.6444588	80.49839783	7.501005	98.795517	67596
18H12SbPb	1.708419442	15.51748	2.282762	3.54598498	8.074570656	1.267705	104.08696	32082
18H130SbPb	5.130074501	15.51748	5.913255	9.86878681	31.72444153	2.916322	102.93736	87122
18H131SbBaPb	0.983816504	15.51748	1.716202	2.77682447	6.115351677	1.286491	97.615387	63908
18H131SbPb	5.089225769	21.1602	7.108028	10.7187529	27.32100296	1.496909	109.05231	86530
18H132SbPb	2.205143929	170.6923	3.121267	4.2039485	10.7100687	1.192953	112.12403	91747
18H133SbPb	26.36367798	105.801	27.86466	36.7650757	276.2105103	9.955737	114.46678	79110
18H134SbBaPb	1.965217471	21.1602	3.354511	5.24581242	12.63647079	1.437784	99.060402	73974
18H135SbPb	2.93095088	15.51748	3.216595	3.780653	12.860569	1.619676	108.35036	91169

18H136SbPb	4.838299751	165.0496	5.658731	7.32638884	27.26497841	2.352193	109.62971	87336
18H137SbPb	4.930803776	31.03497	6.497436	10.4836578	45.42935944	4.953246	115.99106	100136
18H138SbPb	9.464882851	143.8894	9.606644	13.9309025	66.96154785	4.922754	106.13503	84523
18H139SbPb	4.968352318	66.30197	5.286119	8.28367901	30.75444031	3.429591	112.32973	101626
18H13SbPb	5.687239647	33.85632	5.037392	12.96945	61.11671066	14.91451	112.75298	55236
18H14SbBaPb	4.524078369	129.7826	4.523981	5.36346817	16.80221367	1.39763	103.08118	111171
18H15SbBaPb	8.402813911	69.12333	10.9753	14.8801212	41.43169022	1.443887	100.64765	77484
18H16SbBaPb	16.09915161	5.642721	18.16881	34.0241127	200.0074768	12.27835	112.16175	95220
18H17SbPb	7.394090652	141.068	8.059077	14.5304842	63.45849228	6.282167	110.52442	99793
18H18SbPb	9.107765198	142.4787	9.294994	15.2948141	77.05136108	6.962465	113.0708	78471
18H19SbPb	3.182932854	155.1748	3.593637	5.34108162	19.62899399	3.022932	112.07018	93316
18H1SbPb	3.900303841	16.92816	4.122184	5.08535385	13.64889717	1.110813	100.61333	68953
18H20SbBaPb	6.323690414	157.9962	6.444919	8.95487976	36.10466766	3.179746	108.00909	85639
18H20SbPb	2.687404871	36.67769	3.432404	4.53009129	13.94261646	1.671831	110.60897	81363
18H21SbBaPb	8.037018776	42.32041	8.253523	9.14146328	27.86202621	1.154642	101.09978	75940
18H22SbPb	1.308802485	139.6573	1.479909	2.24536085	5.056510448	1.182857	112.55173	115324
18H23SbPb	8.93194294	67.71265	9.250198	14.2010193	81.91659546	7.945885	108.64607	89702
18H24SbPb	7.079617023	11.28544	8.198438	15.1409845	51.73599243	4.034818	112.46854	88932
18H25SbPb	3.409845114	121.3185	3.239989	4.2602272	16.93746948	2.768922	112.36691	86124
18H26SbPb	6.586508751	21.1602	7.475702	10.9458752	45.31731415	3.723274	112.23514	91638
18H27SbPb	3.176905155	11.28544	3.827692	5.20621967	19.24643135	2.561693	111.46392	81921
18H28SbPb	8.013205528	55.01653	5.810184	12.5697784	60.67812347	11.05058	114.12752	84739
18H29SbPb	3.204842091	150.9428	3.70742	6.43424416	23.73871231	4.154046	112.79121	94192
18H2SbPb	3.694719076	42.32041	4.523981	8.61733913	22.81512642	2.576943	105.27306	76695
18H30SbPb	6.092188358	152.3535	5.913255	7.40710497	34.98980331	3.547565	113.99568	83074
18H31SbPb	2.447485924	162.2282	2.959819	4.08245802	15.84581184	2.904019	113.56035	100452
18H32SbPb	2.397283554	21.1602	3.343235	5.47293282	16.88144493	2.583366	111.25676	83156
18H33SbPb	13.22808361	11.28544	13.19957	19.3441906	144.9925232	12.22565	107.5596	84081
18H34Cu	1.380262613	129.7826	1.259348	1.90215325	6.418680668	2.63209	92.380951	13143
18H34SbPb	3.987263441	174.9243	6.555295	11.4879637	29.68598938	2.077874	108.49736	105190

18H35SbPb	5.518582821	121.3185	4.448225	6.55768204	32.24225616	5.323263	111.68702	92960
18H36SbPb	1.217730165	56.42721	1.427966	1.75623226	4.538693428	1.023591	112.51852	116760
18H37SbPb	3.254544258	33.85632	3.022935	5.268682	20.17001724	4.510821	112.58678	81195
18H38SbPb	4.644190311	131.1933	4.728049	5.86520195	20.95834541	1.990906	109.79054	91209
18H39SbPb	1.490183711	170.6923	3.16929	6.40638828	13.56005669	1.854811	107.50376	57233
18H3SbPb	2.203939915	170.6923	3.157352	5.92570543	17.09593201	2.970572	102.19697	75451
18H40SbPb	2.933373928	149.5321	3.047815	4.26015282	16.96067619	3.137687	112.99187	93854
18H41SbPb	6.575742722	111.4437	6.368296	10.7187605	62.34362411	9.710424	113.70577	91302
18H42SbPb	1.467288971	16.92816	2.299244	4.85235596	10.19225216	1.990997	105.92857	97808
18H43SbPb	1.960393906	162.2282	3.022935	4.62064791	10.78930092	1.290713	106.58678	98594
18H44SbPb	4.875680923	26.80293	5.250281	10.6742249	43.09719086	6.827057	105.90685	103731
18H45SbPb	1.468489289	172.103	2.533644	5.1663599	11.49839878	2.086816	103.85883	90076
18H46SbBaPb	5.13368845	157.9962	6.157267	7.10050249	20.63180923	1.137625	98.681274	75865
18H47SbPb	4.635765553	172.103	5.803681	10.8151588	36.37518311	3.980191	111.58744	98812
18H48SbPb	1.964006066	156.5855	2.427076	4.25331497	14.51645851	3.624559	110.65385	86684
18H49SbPb	3.872030973	32.44564	3.876704	5.47299242	20.03476143	2.706099	111.79397	92192
18H4SbPb	4.884118557	152.3535	5.293258	6.31812716	23.43538094	1.986088	108.80862	93107
18H50SbPb	1.721664071	167.871	2.882255	4.4906621	10.19225216	1.266998	110.28181	83654
18H51SbPb	1.96160531	149.5321	2.074787	3.38342261	12.88377571	3.906968	112.52631	86207
18H52SbPb	14.37626171	172.103	14.8042	21.8715744	160.4189606	11.89714	109.28188	63232
18H53SbPb	1.718059301	166.4603	2.488531	4.01651382	8.998155594	1.324712	107.67073	92462
18H54SbPb	4.650207043	155.1748	5.321716	8.60708618	31.42110825	3.532158	108.75733	100158
18H55SbPb	3.905127525	157.9962	4.239597	5.2460947	19.22322464	2.083071	108.81092	76829
18H56SbPb	5.404821873	42.32041	5.05983	7.58518982	41.94950867	6.96438	113.30089	94403
18H57SbPb	3.750094414	173.5137	7.011753	16.6752167	43.52616501	3.904346	106.03687	86981
18H58SbPb	2.451097965	18.33884	3.530027	5.3911128	13.01903152	1.378167	106.06061	86752
18H59SbPb	5.127660751	169.2816	6.703391	8.9317503	23.59384346	1.255188	110.35126	95563
18H5SbBaPb	2.69705224	19.74952	3.432404	5.93043995	23.32333374	4.678267	98.134613	77698
18H60SbPb	4.152285576	22.57088	4.194827	5.56403971	24.5734539	3.477002	111.43777	85942
18H61SbPb	4.15469408	152.3535	4.822936	5.77363443	22.01718712	2.11155	113.16883	92804

18H62SbPb	6.279842377	57.83789	6.374223	11.1521835	48.33537292	5.826077	111.29182	85349
18H63SbPb	1.71443975	16.92816	2.533644	3.31256938	9.921740532	1.553764	113.62353	98070
18H64SbPb	1.227355123	19.74952	2.056507	3.62056208	8.942130089	1.915677	112.5	78019
18H65SbBaPb	5.173138142	35.26701	6.663843	13.9863338	43.03155518	4.224985	102.33163	92610
18H65SbPb	4.130546093	53.60585	4.038899	5.40734339	16.88144493	1.770084	103.24074	65082
18H66SbPb	32.54041672	150.9428	33.19432	46.3407097	545.2564697	27.3385	111.43345	101634
18H67SbBaPb	2.913707733	105.801	2.592574	3.54607415	14.9782505	3.381899	111.55056	100893
18H67SbPb	9.985386848	59.24857	12.60547	16.7073135	86.99630737	4.825967	104.12263	88411
18H68SbPb	3.402918816	155.1748	4.743995	8.06276131	24.49422264	2.701092	110.56376	79256
18H69SbPb	8.214444608	8.464081	8.866689	18.2204361	55.54238129	3.97582	106.41114	96745
18H6SbPb	1.781524897	122.7292	2.249435	4.05341196	9.707252502	1.886889	112.80597	107733
18H70SbPb	6.336938381	163.6389	7.129246	9.63463593	41.10515594	3.368263	111.24666	84385
18H71SbPb	3.421654701	33.85632	4.094611	4.72850037	15.11350727	1.380403	113.61712	91755
18H72SbPb	16.52473068	125.5505	16.82874	28.1134663	195.4551849	13.66758	110.23814	77112
18H73SbPb	2.577776432	21.1602	3.666453	6.01509905	15.5520916	1.822997	112.5	94497
18H74SbPb	4.151074409	12.69612	4.379786	5.73223543	23.10884476	2.820663	111.88976	93862
18H75SbPb	3.900257587	160.8176	3.915472	5.16063881	22.78231049	3.430267	113.56651	82774
18H76SbPb	2.203939915	157.9962	2.775468	3.93458223	15.63132286	3.213806	109.29412	85478
18H77SbPb	6.345337391	148.1214	7.595962	9.7326622	38.68414307	2.627853	110.81283	110361
18H78SbPb	2.682588816	25.39224	2.635906	4.57578611	18.37887001	4.925817	112.13043	81797
18H79SbPb	4.677691936	42.32041	4.405576	12.7620401	49.62792206	12.85723	110.24124	71413
18H7SbBaPb	10.46988106	165.0496	9.923729	12.1113014	55.59840775	3.180354	106.11733	89065
18H80SbPb	2.526143312	23.98156	3.331921	6.65192509	15.84581184	2.291607	111.61905	72563
18H81SbPb	7.162932873	131.1933	8.059077	11.9136581	50.81240845	4.027815	112.5	73180
18H82SbBaPb	2.454152107	162.2282	3.886432	6.62471676	16.17234802	1.754465	120.27	90584
18H82SbPb	25.39717484	160.8176	11.93774	36.2744713	172.9761963	21.27302	114.40328	85338
18H83SbBaPb	10.72915077	145.3001	11.29408	12.0915165	38.14311981	1.155663	102.67022	73360
18H84Cu	4.171617508	45.14177	3.645797	6.88849974	21.07039452	3.38424	101.85796	8400
18H84Pb	1.620873332	163.6389	1.780987	2.5426507	6.362656116	1.293171	104.88095	7252
18H84SbBaPb	63.25784683	150.9428	83.81773	116.4076	1588.879272	36.40915	116.65364	92556

18H84SbPb	51.082901	149.5321	60.86456	83.5854416	792.6236572	17.18327	116.59267	104261
18H85SbPb	1.22133112	29.62428	1.53009	1.96352291	5.247790813	1.191845	112.93549	80912
18H86SbPb	3.17449522	18.33884	4.131334	5.6222949	14.32517719	1.218204	105.36726	99058
18H87SbPb	5.370350361	148.1214	5.557734	6.89281034	24.95601463	2.04294	113.36185	87491
18H88SbBaPb	2.19791317	172.103	2.706587	3.68546939	10.49558163	1.523596	107.28866	94612
18H88SbPb	1.220126152	45.14177	1.3463	1.72212493	4.403437614	1.083929	102.08334	80064
18H89SbPb	6.064190388	33.85632	6.095631	7.36284304	26.2061367	1.872705	109.41261	87199
18H8SbPb	4.881712437	33.85632	5.141267	6.14680195	25.66511345	2.524915	114.71429	81234
18H90Pb	2.365260839	12.69612	2.985225	4.49075127	13.51364136	2.076305	109.09322	18580
18H90SbPb	1.956781745	15.51748	2.882255	4.54982424	10.78930092	1.419784	104.07273	101898
18H91SbPb	6.100624084	22.57088	6.350482	8.41176605	39.06670761	3.834429	113.29026	96619
18H92SbPb	3.545843601	145.3001	4.679884	8.04047489	28.93047714	3.872056	112.99655	81418
18H93SbPb	4.01757288	35.26701	4.728049	6.82343578	26.0940876	3.086178	111.57433	89390
18H94SbPb	6.098677158	125.5505	5.777597	7.16284561	34.39275742	3.590377	112.04977	90879
18H95SbPb	3.421654224	12.69612	3.982408	5.25705051	21.01436996	2.821252	109.34762	87757
18H96Cu	0.977788806	38.08837	1.099249	1.55936944	3.61510849	1.09585	98.375	17328
18H96SbPb	12.29745388	35.26701	11.74963	18.176405	105.9954376	8.245682	110.3698	84945
18H97BaPb	1.466077447	169.2816	1.716202	2.48356295	5.900863647	1.197829	99.410255	28901
18H97Cu	1.827962756	33.85632	1.981699	2.63433743	6.497912407	1.089363	104.36539	14681
18H97SbBaPb	16.75000191	67.71265	15.13964	25.010643	190.5435486	16.04938	106.25107	93470
18H97SbPb	1.713235736	23.98156	2.533644	4.25327015	9.865715027	1.536267	100.14117	64568
18H98SbPb	1.720469117	156.5855	2.364024	3.70955801	13.26633644	3.190794	112.9054	66749
18H99SbPb	5.858289719	170.6923	5.757956	8.8885603	39.58452225	4.788668	110.61275	96436
18H9SbPb	2.682588816	21.1602	3.837544	6.24223423	14.73094559	1.492984	105.32821	89503
1F1SbPb	10.42583561	76.17673	11.4765	16.7760162	72.72715759	4.068882	114.79816	82019
1H1SbPb	1.229763269	162.2282	1.943216	3.08043575	6.903680325	1.27885	107.32	46367
20H100Pb	20.55090523	141.068	24.76972	34.6137276	287.397583	13.64033	130.42467	10986
20H100SbPb	0.9787848	141.068	1.13308	1.55944371	3.99766922	1.261227	121.23529	12267
20H101SbPb	3.899098158	9.874762	4.743995	12.1328592	40.93708038	7.544768	131.96645	11508
20H102SbPb	6.332196712	55.01653	4.767814	7.70150375	39.9902916	7.128055	133.85715	10936

20H103Pb	7.077208996	121.3185	4.908304	7.97775269	47.17409134	9.359331	134.69907	11296
20H104SbPb	14.40575314	56.42721	11.95038	24.7219238	150.9822235	16.17292	134.53728	12537
20H105SbPb	1.718066812	163.6389	2.678539	3.54598856	11.2278862	1.780331	124.36842	12791
20H106Pb	4.760653019	139.6573	3.320569	7.42265368	29.66278267	8.08536	132.84932	7814
20H107SbPb	9.365475655	172.103	11.47321	17.1877136	99.82007599	7.669496	133.9191	10788
20H108SbBaPb	2.449893951	7.053401	3.697221	6.1322937	16.14914131	1.933075	126.53039	10187
20H109SbPb	2.987606525	9.874762	5.399204	11.1313419	26.6679287	2.471836	126.12177	9813
20H10Pb	1.961597919	165.0496	3.286277	4.54958677	16.0370903	2.412924	134.7063	9130
20H110Pb	1.957573295	157.9962	1.981699	3.165905	9.054180145	2.115063	142.5	12999
20H110SbPb	23.60825157	40.90973	13.19957	30.9073048	225.0947723	29.46535	134.17598	11663
20H111Pb	5.38084507	169.2816	5.278971	10.8914232	41.6461792	6.305977	132.57994	12666
20H112SbPb	4.147469521	32.44564	3.70742	5.47299242	25.33857727	4.732836	132.27472	11575
20H113SbPb	1.718057513	21.1602	2.518696	4.1614871	12.88377571	2.651157	134.34525	12322
20H114SbPb	15.65114689	9.874762	19.61782	39.2360611	242.2563324	15.45074	132.36147	12330
20H115SbPb	6.962296009	8.464081	7.399546	16.2574253	84.13272095	13.09846	133.64552	10480
20H116Pb	6.791491508	25.39224	5.725072	10.2405205	49.92163849	7.704001	133.00922	7065
20H116SbPb	4.967702866	142.4787	6.175637	8.67189693	35.37236404	3.324032	132.67921	13198
20H117Pb	2.704291344	157.9962	3.817814	6.55763721	17.5345192	2.137267	126.94301	7959
20H118SbPb	4.138208866	132.6039	4.49887	7.58514166	31.86930656	5.08439	132.29851	11915
20H119SbPb	1.228566647	18.33884	2.074787	3.0806365	9.865715027	2.290924	134.52632	10514
20H11Pb	6.54663372	141.068	6.027103	13.6924477	65.04476166	11.80071	130.75468	10487
20H120SbPb	5.610054016	155.1748	6.338579	9.37247086	48.12088776	5.839612	133.5639	11963
20H121SbPb	3.424063206	169.2816	3.817814	6.2089076	27.32100296	5.188769	133.66321	12405
20H122Pb	3.680868864	152.3535	3.454337	6.86261225	27.97407532	6.644814	134.57594	10240
20H123Pb	6.364178181	46.55245	6.979366	13.0927172	66.99436951	9.335666	134.70853	12452
20H124SbPb	0.741474569	4.23204	1.479909	3.17544842	6.577144146	2.001267	126.17242	11912
20H125SbPb	7.753500938	174.9243	7.571065	12.965065	63.43527985	7.112927	132.28459	10893
20H126Pb	3.661581516	32.44564	3.022935	4.59508801	23.10884476	5.921061	134.04959	10846
20H127Pb	3.424063206	12.69612	4.010753	5.73222065	20.60860252	2.675136	126.83568	10386
20H128SbPb	5.418980598	145.3001	5.861946	6.82361412	24.00922203	1.699704	132.35385	11919

20H129SbPb	9.650715828	146.7108	8.532467	18.3063545	111.509758	17.30522	133.58092	11666
20H12Pb	2.69343996	163.6389	2.869124	4.31564331	18.64938354	4.280859	133.29358	11356
20H130SbPb	2.453506231	155.1748	3.16929	4.57571554	13.64889717	1.879195	132.09775	13282
20H131Pb	3.67605257	153.7641	3.035401	5.99034166	21.01436996	4.856253	131.93443	8730
20H131SbPb	3.208602905	173.5137	5.564524	12.264432	33.43635559	3.658326	126.45853	12945
20H132SbPb	5.618645668	148.1214	6.543764	8.85498047	36.27274323	3.113194	129.5732	10082
20H133Pb	3.668813229	21.1602	4.977062	6.55726576	18.40207863	1.385123	131.92987	12241
20H133SbPb	9.147246361	56.42721	7.763142	13.7122555	85.27079773	12.22436	134.00627	11366
20H134Pb	6.3405509	55.01653	7.850208	12.0909739	59.54005432	5.828499	132.42647	12423
20H135Pb	8.063061714	152.3535	8.179994	12.0917616	53.0749588	4.26554	131.51129	11659
20H136Pb	13.11855221	67.71265	11.20682	23.6991539	144.5963745	16.86751	134.17679	10581
20H137Pb	4.822122097	162.2282	5.53049	9.70515442	40.37285233	5.399484	132.06914	11079
20H138SbPb	5.127666473	128.3719	4.010753	6.23774529	32.76007462	6.759873	133.75117	11130
20H139Pb	4.593824387	8.464081	4.194827	7.12929535	30.72162437	5.434515	133.58369	11713
20H13Pb	5.617151737	23.98156	5.836122	8.28401375	36.73453522	4.014218	130.82483	12641
20H140Pb	4.987119198	25.39224	5.48937	9.15157604	29.25701332	2.878164	124.3985	10612
20H140SbPb	2.888556242	21.1602	3.465251	5.47294044	15.68734837	2.076493	126.16352	11506
20H141SbBaPb	0.983816504	16.92816	1.759657	3.31256199	7.038936615	1.621282	127.43903	10242
20H142Pb	4.627374649	121.3185	4.736029	6.89232731	31.37469673	4.44663	133.57913	10126
20H143SbBaPb	1.22977066	9.874762	2.563278	5.44570017	11.25109386	1.952085	128.85057	10068
20H144Pb	10.35996723	155.1748	9.754868	18.8471985	89.51577759	8.532122	131.57539	13369
20H144SbPb	4.493427277	162.2282	4.548952	8.93504238	39.69657135	7.715851	130.9489	14344
20H145Pb	4.053248405	170.6923	5.976772	11.3707333	43.06437302	5.260216	128.30867	10162
20H146Pb	1.961601853	4.23204	4.405576	10.0120773	21.8819313	2.499578	132.214	8597
20H146SbPb	1.728903294	2.82136	4.310262	9.2675066	21.63462639	2.552655	131.83333	12564
20H147SbPb	5.127658844	146.7108	4.751948	7.02478075	35.93659592	5.794702	132.92976	11910
20H148SbPb	4.879557133	7.053401	5.913255	10.7844553	42.87309265	5.326195	133.22678	11393
20H149BaPb	3.227304459	163.6389	3.388113	5.0853014	21.12641907	3.939459	140.23685	13262
20H149Pb	39.2463913	166.4603	35.79423	76.6732635	1189.327759	111.8607	133.2099	12784
20H149SbPb	3.342458725	157.9962	3.109146	3.93458223	12.78133678	1.712265	139.125	13587

20H14Pb	1.223742962	33.85632	1.259348	1.75623226	5.844839096	2.1825	121.57143	11600
20H14SbBaPb	4.995763302	8.464081	5.427107	7.6469202	30.06855011	3.110204	128.38974	12980
20H14SbPb	18.92228889	152.3535	17.89659	26.6902161	248.5029602	19.53544	131.20514	12370
20H150SbPb	5.689261436	33.85632	4.614882	10.3351202	49.4598465	11.63817	135.14185	11803
20H151Pb	4.431433201	172.103	5.855501	10.3326969	44.75308228	5.918593	132.58369	11649
20H152SbPb	9.903979301	169.2816	13.07309	17.3396206	139.8992004	11.60311	134.82545	13358
20H153Pb	1.228551745	11.28544	2.110873	3.96437144	11.93698406	3.240154	121.98305	5349
20H154SbPb	3.420451164	12.69612	3.476131	5.73223019	24.74152756	5.132884	133.68124	11017
20H155SbPb	2.928542852	167.871	2.882255	4.72876787	21.47616386	5.625345	134.42728	12105
20H156Pb	8.432557106	141.068	9.15995	19.2451897	111.6121902	15.04311	134.61026	10260
20H157SbPb	5.407245159	60.65925	3.866951	8.61017799	41.24040985	11.52416	133.70203	10179
20H158SbPb	2.454710245	15.51748	3.365749	5.55364895	21.8819313	4.282609	134.04666	12519
20H159SbPb	5.148035049	157.9962	7.312278	14.7438545	41.73501968	3.300627	128.79802	10285
20H15Pb	5.709916115	115.6758	6.163396	9.69583416	32.13981628	2.755163	129.46323	3903
20H15SbPb	4.884350777	162.2282	6.138841	8.70311356	28.95368576	2.253905	128.60922	12456
20H160SbPb	6.83728981	155.1748	7.145119	9.37246418	35.72211075	2.532538	131.68343	11576
20H161SbPb	5.127660751	176.335	5.427107	9.26695633	43.06437302	6.379698	134.98206	11390
20H162Pb	1.719263434	155.1748	2.518696	3.48704576	8.750850677	1.223065	132.88095	9474
20H163Pb	4.389796734	155.1748	4.908304	7.51842785	32.24225616	4.372085	135.13792	8802
20H164SbPb	6.170437336	110.0331	5.155935	9.55056	50.36022568	9.666319	134.25853	10307
20H165SbPb	4.640574455	40.90973	5.447941	6.39250326	35.39557266	4.276946	134.88295	11971
20H166Pb	2.918256283	14.1068	4.336464	6.7929554	18.07554245	1.760401	130.05222	11042
20H167SbPb	4.387392521	33.85632	4.79939	7.90302706	31.21623421	4.286369	135.11148	13050
20H168Pb	7.730527401	39.49905	4.915991	10.3842487	57.90737152	14.05873	134.15625	11819
20H169Pb	5.607515812	157.9962	6.601217	7.64335966	38.17593765	3.388691	132.66031	9698
20H16SbPb	9.26066494	152.3535	8.750948	14.0539761	81.83735657	8.861223	134.25247	11487
20H170SbPb	4.388597965	19.74952	3.035401	7.24113894	30.1573925	10.00129	134.32787	11004
20H171Pb	6.097019672	18.33884	6.397875	7.93276405	47.8271637	5.662111	134.61809	10036
20H172SbPb	6.385291576	131.1933	3.228313	7.76679039	40.31682587	15.80236	132.76811	11009
20H173SbPb	6.597356319	31.03497	5.257468	9.60648155	54.23623657	10.78267	134.53279	11651

20H174Pb	1.960393906	19.74952	3.37695	5.1604805	16.69016457	2.474986	134.62914	9144
20H175SbPb	31.04110336	47.96313	20.92006	52.9500542	588.7978516	80.26152	136.29715	10499
20H176Pb	1.461276174	98.74761	2.019449	3.20334959	9.651228905	2.314194	130.37038	10907
20H176SbPb	3.616749048	141.068	4.431214	5.89525127	16.82542229	1.460787	133.22693	13448
20H177Pb	8.789017677	67.71265	5.206949	11.0349751	60.85580444	13.84006	133.77716	11725
20H178SbPb	4.405471802	174.9243	4.473619	8.07013798	35.93659592	6.538173	133.97736	5970
20H179SbPb	5.005668163	139.6573	6.163396	14.8732834	63.57053757	10.77884	132.47118	10907
20H17SbPb	7.627198219	53.60585	4.877434	11.1552372	56.2514801	13.47677	133.49207	10933
20H180Pb	0.974184096	74.76605	1.401273	2.77685428	6.689192772	2.308886	129.65384	10095
20H180SbPb	9.141010284	49.37381	6.151131	14.5025702	79.91095734	17.10029	133.72655	10130
20H181SbBaPb	1.232178807	169.2816	2.232585	3.72534442	9.403923035	1.79764	125.18182	9911
20H182Pb	1.27769506	117.0865	1.625811	2.72282791	6.497912407	1.618483	134.37143	6599
20H182SbPb	1.183481455	107.2117	1.53009	2.54259133	7.015729427	2.130161	134.25807	13870
20H18Pb	3.427675486	152.3535	4.185816	6.31811953	21.58821106	2.695093	131.63792	11431
20H19Pb	3.663997173	139.6573	3.74794	4.83401108	21.93795586	3.471425	131.53763	10712
20H19SbPb	11.05235004	174.9243	10.55794	17.5958366	92.61306763	7.796265	133.28523	12122
20H1SbPb	5.508831501	153.7641	7.689834	9.47625732	35.77813339	2.19332	127.50064	13668
20H20Pb	9.220823288	174.9243	6.175637	12.4798756	68.60384369	12.50357	132.87326	11162
20H21Pb	2.204772234	170.6923	4.396996	10.3699932	26.34139252	3.636352	125.91797	13389
20H22SbPb	7.549926758	94.51557	6.737105	24.6560173	76.44470215	13.04514	133.36938	9603
20H23SbPb	6.575742722	125.5505	6.157267	8.91814899	46.79153442	5.851393	133.24701	9248
20H24SbPb	1.472105265	16.92816	2.607098	5.08534622	15.71055412	3.679332	135.13333	12148
20H25SbBaPb	2.692228556	14.1068	3.593637	5.02082539	17.47849274	2.396847	124.14035	10007
20H26SbBaPb	15.56487083	64.89129	16.83996	19.2887077	135.8879395	6.597513	127.16112	9565
20H27Pb	5.368789673	35.26701	5.08217	7.16290522	36.91620636	5.346092	133.99416	10909
20H28Pb	5.208873272	169.2816	5.427107	10.6521282	47.92960739	7.902627	133.94615	10521
20H28SbPb	2.184976101	18.33884	3.263215	6.93143225	17.6697731	2.970785	128.80142	9446
20H29SbBaPb	6.272796631	32.44564	7.772864	11.2821751	61.66734314	6.377477	123.82125	10545
20H2Pb	6.104730606	134.0146	5.482487	9.47327709	44.69705582	6.734467	133.31909	10196
20H30SbPb	1.547165394	107.2117	1.802065	5.08518267	12.28672695	4.710124	133.46512	9293

20H31SbPb	1.950754046	28.21361	2.457996	4.14026737	14.89901924	3.722663	123.1125	11705
20H32Pb	3.18172121	159.4069	3.635424	5.47296238	24.93280792	4.765767	132.08571	11676
20H33SbBaPb	9.913014412	138.2467	11.95354	12.9440165	97.29662323	6.712786	124.70138	10054
20H34Pb	7.076004982	18.33884	5.658731	7.93276787	43.58219147	6.010086	132.22878	11544
20H35SbPb	5.33798933	29.62428	7.409746	10.3614426	37.49004745	2.593737	130.5392	13491
20H36Pb	1.954373598	15.51748	2.855933	5.55363417	12.28672695	1.875327	126.35185	11761
20H36SbPb	3.667609215	138.2467	4.695994	5.1776123	19.68501663	1.780398	132.65068	12259
20H37Pb	8.902389526	145.3001	7.724131	16.4814167	93.00922394	14.69107	132.57089	9978
20H38Pb	1.716847897	26.80293	1.962552	3.81206608	11.90416622	3.727831	135.29411	12254
20H39SbPb	15.22931862	126.9612	12.88691	18.4123707	155.260025	14.70695	132.18008	9737
20H3SbPb	13.20423698	169.2816	10.75285	19.2992897	121.1937943	12.87105	132.19922	12627
20H40SbBa	0.978992879	153.7641	1.13308	1.6337235	4.324205875	1.47568	120.52941	9373
20H41SbPb	2.940594435	153.7641	3.915472	4.90118551	16.55490875	1.811282	132.10345	12158
20H42SbPb	1.727699161	9.874762	3.343235	5.68563414	13.28954411	1.600983	130.72298	12186
20H43Pb	7.345468044	38.08837	5.461785	10.57372	56.60122299	10.88135	134.60001	10192
20H44SbPb	7.498850822	60.65925	5.605092	11.4492493	62.47888184	12.5893	134.03125	10999
20H45Pb	3.174493313	11.28544	4.523981	6.44806099	16.0370903	1.27324	132.7417	11844
20H46SbPb	11.88412094	173.5137	15.4238	18.8806133	144.1905823	8.855063	134.69016	10856
20H47SbPb	5.388244152	4.23204	7.139832	14.6627817	44.66423798	3.965012	129.88297	11018
20H48SbPb	10.66688156	47.96313	12.28076	19.8403358	110.2364273	8.163955	133.75464	11350
20H49SbPb	3.418042898	167.871	2.829365	4.72878265	23.43538094	6.951309	133.66037	10990
20H4Pb	1.475724816	163.6389	2.411468	3.54599237	8.424313545	1.236536	130.32468	3860
20H50SbPb	6.341762066	33.85632	4.736029	8.24095726	41.10515594	7.63246	134.07744	13329
20H51SbPb	16.4998188	132.6039	13.30784	26.1966934	143.1453552	11.72303	134.01962	11164
20H52Pb	5.374824524	136.836	3.530027	6.71837091	36.2399292	10.67872	133.54546	11341
20H53SbBaPb	9.273917198	139.6573	9.942737	11.5700932	50.57471085	2.621535	129.22002	9054
20H54Pb	4.124064922	5.642721	4.465171	7.10045099	26.48625755	3.565051	133.65152	12646
20H55Pb	7.16433382	126.9612	6.663843	12.1772861	66.28527069	10.02502	133.2449	12118
20H56Pb	1.983296037	5.642721	3.530027	9.30569077	21.09360313	3.617812	133.6909	12491
20H56SbPb	7.104931831	15.51748	9.590908	12.345787	74.03330231	6.037197	131.3284	13010

20H57Pb	2.898322582	19.74952	4.149574	5.93043804	16.06990814	1.519569	133.24123	11357
20H58Pb	1.235790968	173.5137	2.503659	4.65277863	10.00097179	1.61672	128.3253	10672
20H58SbPb	3.168469191	31.03497	4.149574	6.22334099	15.13671398	1.348208	133.00438	12032
20H59SbBaPb	6.579280376	170.6923	7.160955	8.40788269	40.69939041	3.272913	124.96907	9650
20H5SbPb	2.935774565	146.7108	2.869124	4.05322647	18.37887001	4.15757	134.28441	12016
20H60SbPb	2.453506231	153.7641	2.985225	4.90120029	18.32284737	3.817089	135.07628	11672
20H61SbBaPb	1.964020848	21.1602	3.251622	5.24581242	14.07787323	1.899217	124.67857	10102
20H62SbPb	2.389765739	170.6923	3.08476	5.9257021	22.72628403	5.499393	134.01587	12383
20H63Pb	16.31758308	98.74761	13.58307	26.8673859	224.8706665	27.76966	134.33525	10077
20H64SbPb	4.6357584	141.068	4.704028	5.89525843	26.85921097	3.303294	133.01366	11169
20H65SbPb	7.920017242	115.6758	9.164072	16.2300739	79.50519562	7.626313	132.18794	12216
20H66SbPb	14.66457272	119.9078	13.96144	20.1788902	161.2961426	13.52348	129.17165	13330
20H67Pb	1.481745124	169.2816	2.775468	4.96711826	11.1158371	1.625222	131.11765	9382
20H68Pb	5.404725552	7.053401	5.074734	9.81765175	50.32740784	9.965135	135.04985	12323
20H69SbPb	6.090967655	167.871	8.198438	13.2338667	44.31449509	2.960261	131.2663	13450
20H6SbPb	5.374819279	148.1214	4.038899	6.89281034	36.10466766	8.096576	133.46297	11391
20H70Pb	18.72591019	55.01653	19.33866	25.8778286	206.8143311	11.58802	130.89398	12589
20H71SbBaPb	3.42888689	18.33884	5.022377	6.39245892	25.33857727	2.578971	124.56586	9316
20H72SbPb	7.575144291	174.9243	7.912494	13.2076445	57.69288254	5.386645	132.74306	12780
20H73SbPb	4.641778469	146.7108	5.638676	7.56560898	31.40751457	3.1435	131.32779	12574
20H74SbBaPb	1.234586835	9.874762	2.592574	4.44418001	11.63365364	2.04019	123.32584	9626
20H75SbBaPb	4.882916451	141.068	5.170562	6.23774529	35.91339111	4.888076	135.77118	10914
20H76Pb	11.07598019	150.9428	6.380144	13.4125471	66.39731598	10.97339	134.3358	9479
20H77SbPb	11.01865482	145.3001	13.36447	18.7148705	125.5276108	8.938729	132.53954	12361
20H78SbPb	6.514083385	43.73109	6.792923	16.0233288	69.93318939	10.73875	133.27986	11139
20H79SbPb	7.296017647	149.5321	6.669507	15.4970798	66.96154785	10.21325	133.38541	11911
20H7SbPb	2.927338839	23.98156	3.096977	6.10788631	19.16720009	3.880985	133.59842	12851
20H80SbPb	4.838767529	46.55245	4.954248	10.3383198	48.40100861	9.670609	134.92923	10921
20H81Pb	10.44041538	60.65925	11.39063	16.4641075	118.301384	10.92911	133.0262	11140
20H82SbPb	6.3405509	18.33884	4.49887	8.24057865	40.75540924	8.315037	133.45523	10452

20H83Pb	2.915610313	149.5321	2.734347	4.26015663	16.74618912	3.800364	132.80807	10708
20H84Pb	2.929750681	5.642721	3.465251	4.65283775	13.05184841	1.437392	130.1761	11845
20H84SbPb	5.245081425	11.28544	6.38606	9.69592381	33.41314697	2.773763	131.24815	11126
20H85SbPb	1.709623575	19.74952	2.78904	5.1604805	15.63132286	3.182604	134.44661	12147
20H86SbPb	1.226143599	23.98156	1.671618	2.39864922	6.577144146	1.568561	128.81081	12058
20H87SbPb	4.638166428	15.51748	4.310262	6.32280207	32.18623352	5.649807	133.02032	11762
20H88Pb	2.453506231	155.1748	3.797981	4.57571888	13.99864197	1.37647	135.48691	11323
20H89Pb	2.393571138	57.83789	2.379944	3.1754055	9.763277054	1.705133	130.2	12805
20H89SbPb	4.389796734	19.74952	5.014853	5.93044376	20.31488228	1.662696	131.51651	10510
20H8SbPb	5.139621735	160.8176	7.322599	18.6423149	62.12913513	7.293915	130.79858	12390
20H90SbPb	2.688608885	9.874762	3.676737	5.44570017	21.72346878	3.536989	133.90503	12729
20H91SbPb	6.426280022	148.1214	5.584845	8.64817333	43.44693756	6.131923	134.81841	12546
20H92Pb	4.157104969	162.2282	5.192425	7.70108747	33.73968124	4.278014	134.16246	11836
20H93Pb	5.715913773	33.85632	4.490469	9.65925217	44.56180191	9.977981	134.25842	10159
20H94Pb	8.531246185	143.8894	9.077128	10.6183329	57.12865067	4.013392	134.92575	13739
20H95Pb	1.956781745	142.4787	1.903955	2.7768023	8.592387199	2.063549	123.39584	4261
20H95SbPb	7.06283474	112.8544	7.150402	10.8095255	61.1495285	7.410132	133.90842	9869
20H96Pb	8.609383583	42.32041	8.203042	21.723423	109.1119461	17.92649	133.01796	10282
20H97Pb	5.641485691	39.49905	6.43319	9.51063633	45.27089691	5.017485	132.98723	11041
20H98Pb	3.193776608	165.0496	4.53232	7.56169987	17.61375046	1.530253	130.75735	13243
20H99Pb	1.23941052	172.103	2.47331	5.16634846	11.82493496	2.316013	130.83951	11147
20H99SbPb	1.23941052	172.103	2.748122	4.92511415	13.09826374	2.301738	133.28999	13774
20H9SbBaPb	1.718059301	14.1068	2.985225	5.02082539	12.36595917	1.738609	129.92372	10200
32H100Pb	0.981393576	15.51748	1.099249	1.77299249	5.900863647	2.919709	129.9375	4420
32H101Pb	1.474803209	63.48061	1.13308	2.72292638	6.936497688	3.797169	129.94118	6961
32H101SbPb	1.469362617	40.90973	1.3463	4.49069929	9.898533821	5.477203	128.91667	9390
32H102BaPb	1.127321959	39.49905	1.13308	1.90212917	4.268181801	1.43769	128.94118	9501
32H102Pb	2.196708202	39.49905	1.903955	3.46141505	13.37838554	5.002586	128.29167	7720
32H102SbPb	1.954366207	35.26701	2.163874	2.97282529	8.018545151	1.391323	124.43549	14342
32H103Pb	0.974184096	102.9797	1.259348	3.24931192	7.61277771	3.702503	127.71429	7231

32H103SbPb	1.477805853	114.2651	1.554573	3.48691201	8.974947929	3.377088	128.15625	12806
32H104Pb	8.451570511	55.01653	6.6525	13.9863968	83.23235321	15.86044	128.24232	8710
32H104SbPb	7.467307568	12.69612	7.655384	16.7215061	112.7038498	21.9606	127.91753	14084
32H104Unclassified	0.974184096	59.24857	1.13308	1.42009532	3.61510849	1.031388	119.94118	1672
32H105Pb	3.160910368	29.62428	3.717591	6.43439245	23.49140739	4.045716	127.90164	14952
32H105SbBaPb	2.684996843	50.78449	2.282762	3.46143627	12.31954384	2.950996	129.95653	11823
32H105SbPb	5.436038017	36.67769	5.48937	10.6187124	60.85580444	12.45259	126.5188	12890
32H106Pb	3.621150017	148.1214	4.149574	6.35056973	23.52422333	3.256298	120.6579	11082
32H106SbPb	8.824009895	46.55245	7.983757	13.2695351	81.75812531	10.62546	127.75356	14375
32H107SbBaPb	1.473316669	7.053401	2.232585	3.9270606	12.53403187	3.193494	126.45454	11896
32H108Pb	1.948368192	36.67769	1.884018	2.43544531	10.36032581	3.06392	127.29787	2878
32H108SbPb	16.36020851	112.8544	13.69933	34.2833481	360.2175903	70.05383	128.75493	13942
32H109Pb	17.45260429	80.40878	17.50621	37.2352791	484.2941895	77.54162	128.44307	10273
32H109SbPb	0.974184096	50.78449	1.028253	1.55938244	3.479852438	1.160438	123.85714	14492
32H10SbPb	2.443866253	16.92816	1.738065	4.08246183	15.14632416	7.694544	126.575	8220
32H110SbPb	4.884120464	148.1214	3.274766	6.35055494	31.23944092	9.220333	129.93661	12581
32H111Pb	26.4271431	169.2816	15.31816	37.6414032	456.4689636	89.97247	129.38043	12482
32H111SbPb	0.983571231	162.2282	1.288984	2.31032777	5.191766739	1.643751	137.18182	13632
32H112Pb	1.228559136	19.74952	1.578676	2.85061383	9.707252502	3.830956	129.75757	10699
32H112SbBaPb	1.217730165	124.1399	1.317953	1.75618029	4.268181801	1.06264	134.39131	13113
32H112SbPb	1.148872375	169.2816	1.317953	2.72285771	6.171375751	2.221593	127.3913	12935
32H113Pb	1.465111256	148.1214	2.000664	3.17527747	7.61277771	1.467029	128.90565	11764
32H113SbPb	2.015200615	162.2282	2.921294	6.16087151	18.89668846	4.239566	127.24779	13969
32H114Pb	1.183882833	45.14177	1.099249	1.72212493	4.51548624	1.70969	118.6875	5165
32H114SbPb	1.224946976	9.874762	1.884018	2.72285008	7.692009449	1.688924	130.76596	10119
32H115Pb	1.89732039	163.6389	1.505209	2.5426507	10.52839851	4.957147	130.5	1461
32H115SbPb	2.44024682	15.51748	2.379944	5.5536418	19.03194427	6.47938	129.13333	15247
32H116Pb	1.716387033	53.60585	1.780987	3.31251621	9.921740532	3.144523	130.59525	14197
32H116SbPb	3.183534861	174.9243	3.263215	8.3127327	32.60160828	10.11317	129.50354	12296
32H116Unclassified	1.714082956	169.2816	2.664404	4.96709633	12.01621532	2.060801	124.90426	11166

32H117Pb	1.716387033	49.37381	1.802065	2.24538326	7.939313889	1.966645	128.65117	7948
32H117SbPb	5.114466667	64.89129	3.593637	6.20904112	31.64520836	7.856845	129.91812	10767
32H118SbPb	1.246255755	15.51748	1.374061	2.77681708	7.86008215	3.315451	122.36	15852
32H119SbPb	4.792062283	162.2282	2.997848	8.70311356	37.33158493	15.7121	129.08403	14354
32H11Pb	1.552042842	142.4787	1.578676	2.43531156	6.036119938	1.481256	125.24242	10554
32H11SbPb	6.106651783	19.74952	4.877434	9.55100536	62.45567322	16.61352	127.37778	11864
32H120Pb	2.940583467	165.0496	3.39924	5.55361938	17.39926147	2.654597	131.75816	14150
32H120SbPb	1.156486869	16.92816	1.479909	2.54267311	5.709583282	1.508132	126.20689	11575
32H121SbBaPb	0.977787912	170.6923	1.13308	1.48143291	3.671133041	1.063603	119.76471	7240
32H122SbPb	3.181736231	31.03497	3.530027	5.68041658	27.32100296	6.069288	131.83636	12928
32H123SbPb	0.974184096	63.48061	1.028253	1.633757	4.459461689	1.905747	130.07143	13195
32H124SbPb	6.043907166	38.08837	4.631218	10.9156475	61.11671066	17.64534	129.69719	11964
32H125Pb	2.38510561	26.80293	2.457996	4.90122604	15.95785904	4.270588	128.925	4631
32H126SbBaPb	8.542082787	162.2282	9.965497	12.7855864	43.41411972	1.922935	122.23574	11509
32H127SbPb	5.125258446	14.1068	3.866951	6.02499151	32.43353653	7.12774	130.67677	11467
32H128SbBaPb	1.236994982	9.874762	2.84268	5.68564177	15.3840189	2.967456	120.76636	10399
32H129Pb	14.2715683	31.03497	10.2273	40.5569687	239.951355	55.77314	129.32924	9378
32H129SbPb	0.977787673	14.1068	1.288984	2.00833297	4.594717503	1.287429	137.36363	10854
32H12Pb	2.332498789	46.55245	2.395758	9.30541992	22.43256569	8.883266	130.4079	9645
32H12SbPb	3.896580219	46.55245	2.947033	8.96111965	28.06291771	9.187476	130.87827	14296
32H130SbBaPb	2.844453096	167.871	4.647497	9.45753574	24.93280792	2.916116	121.73427	10536
32H131Pb	1.001695275	148.1214	1.16593	2.29760337	5.247790813	2.052622	126.38889	8482
32H131SbPb	1.538922787	152.3535	2.019449	3.59567809	8.074570656	1.619845	128.33333	13285
32H132SbBaPb	1.464799166	150.9428	1.374061	1.96338916	5.112535	1.402688	120.92	9778
32H133Pb	3.173292875	11.28544	4.140464	6.20922709	22.3437233	2.950623	126.93832	8940
32H133SbPb	5.209441662	152.3535	4.984643	11.0027828	57.86095428	13.65223	128.66261	11970
32H134Pb	5.369993687	142.4787	3.454337	6.4297471	31.97174454	8.679686	129.05696	12018
32H135SbBaPb	3.702794313	32.44564	4.327748	5.80917978	20.52937126	2.279964	120.11694	10524
32H136SbPb	6.83728981	136.836	4.548952	9.30576515	58.13146591	16.54628	128.91241	11078
32H137SbBaPb	1.232163906	14.1068	2.427076	4.78462982	10.78930092	2.00226	124.10256	10481

32H138SbBaPb	2.868800879	19.74952	2.855933	4.39051771	21.34090614	5.657576	118.46296	10297
32H139Pb	4.392212391	38.08837	3.251622	6.23751116	29.3594532	8.260309	130.75	12452
32H13SbPb	1.528866649	117.0865	2.038062	3.26737261	7.748033524	1.464363	124.54546	6692
32H140SbPb	7.06283474	49.37381	4.695994	8.63810921	49.56229019	11.28621	129.5685	11186
32H141SbPb	3.875910759	29.62428	3.204834	6.97819424	34.74250031	11.90726	130.43382	11932
32H142Cu	3.208894253	150.9428	2.882255	6.64713097	34.37915802	14.41538	128.63637	11456
32H142Pb	13.05862617	124.1399	10.76338	28.7754154	224.6986084	44.15743	129.51825	11334
32H142SbPb	1.217730165	110.0331	1.3463	2.08077145	7.421497345	3.078933	132.25	13176
32H143Pb	2.442662239	155.1748	2.775468	4.57571888	15.74337196	3.260046	128.73529	13052
32H144Pb	2.589515924	64.89129	2.019449	5.12021923	15.22555542	5.759449	130.42592	7607
32H144SbPb	3.328456879	69.12333	2.882255	6.0149169	24.74152756	7.466013	128.21819	12369
32H145Pb	3.349246502	152.3535	2.855933	7.95159054	30.0453434	11.21396	128.59259	10739
32H146BaPb	0.974184096	108.6224	1.197879	1.54031265	3.806388855	1.02306	133.42105	14685
32H146Pb	2.351614952	21.1602	2.019449	6.01510286	16.39644623	6.679348	128.87038	3919
32H146SbBaPb	1.468489289	16.92816	1.780987	2.54267502	6.441887856	1.325578	132.90475	11520
32H146SbPb	7.718817711	29.62428	6.29674	30.117094	106.3315887	28.89307	130.22476	11056
32H147Pb	17.88885307	53.60585	11.10527	27.0367203	263.0794067	56.86119	128.5842	12435
32H147SbPb	1.223237514	38.08837	1.479909	2.77683282	6.497912407	1.953341	137.03448	14658
32H148SbPb	6.674438	31.03497	5.434061	11.1521502	63.53772354	13.85208	127.6087	12983
32H149Pb	0.983816504	14.1068	1.648874	3.01249957	6.577144146	1.612132	121.02778	9928
32H149SbPb	1.953169584	169.2816	2.678539	3.96463919	11.17186165	1.762609	127.05264	10284
32H14SbPb	2.600891352	159.4069	3.519314	6.78419256	30.12457466	7.423802	129.81097	12152
32H150Pb	1.704822183	125.5505	1.694057	2.09505463	5.709583282	1.150943	126.05264	13266
32H150SbPb	18.56303024	174.9243	17.32407	37.639122	524.5838013	92.90312	129.10997	11809
32H151Pb	0.655258298	97.33694	1.578676	7.12941837	14.53966522	8.594553	129.15152	7098
32H151SbPb	1.207618237	135.4253	1.3463	2.06649923	4.785998344	1.280449	131.04167	15328
32H152SbPb	4.395828247	163.6389	3.645797	8.09531879	38.14311981	11.09043	130.27841	12532
32H153Pb	1.418390989	73.35538	1.716202	2.54269171	6.171375751	1.310171	123.66666	3519
32H153SbPb	1.464880824	21.1602	2.26616	3.39220047	10.19225216	2.049556	128.14706	11339
32H154BaPb	2.9309659	15.51748	3.635424	6.3228097	25.28255081	4.900407	130.06285	14417

32H155SbPb	6.957327366	23.98156	5.598351	12.2157717	69.28012085	15.51664	129.01927	10034
32H156Pb	1.223735571	156.5855	1.197879	1.85477901	4.785998344	1.617409	130.8421	13403
32H157Pb	2.214158535	128.3719	1.923686	3.11887264	8.592387199	2.021436	123.2449	9584
32H157SbPb	3.185340881	172.103	4.048237	6.64722776	26.28536797	4.271661	129.24423	14194
32H158Pb	1.966421604	167.871	2.442585	5.73236942	21.12641907	7.579719	130.16455	11405
32H158SbPb	15.9583149	136.836	9.319337	18.0896397	200.1155396	46.71886	128.08	11567
32H159Pb	5.012597561	55.01653	3.388113	5.94571733	33.14263535	9.695248	129.96053	10472
32H159SbPb	2.448689938	155.1748	2.457996	4.57571554	17.61375046	5.202859	128.25	12879
32H15Pb	1.223750353	166.4603	1.505209	2.00825882	6.689192772	2.001034	128.26666	11796
32H15SbPb	1.709623575	32.44564	1.53009	2.29754019	7.939313889	2.727926	129.03226	12020
32H160Pb	1.217730165	124.1399	1.374061	1.75618029	4.977278709	1.329451	138.8	14394
32H160SbPb	1.201237559	105.801	1.259348	1.77303708	4.921254158	1.547251	138.38095	15338
32H161Pb	1.688699841	141.068	1.53009	3.11887264	7.477521896	2.419815	128.19354	8039
32H161SbPb	1.108187199	117.0865	1.13308	2.17824602	5.383046627	2.28684	130.70589	13365
32H162Pb	1.549387693	166.4603	1.884018	3.01238441	7.99533844	1.824754	134.61702	12822
32H162SbPb	7.623790264	16.92816	4.292705	11.9434805	56.66685486	17.65618	130.09016	11845
32H163Pb	0.974184096	111.4437	1.064343	1.3115052	3.344596386	1.000517	120.26667	3670
32H163SbPb	0.974184096	119.9078	1.288984	1.96352291	4.594717503	1.287429	136.31818	15679
32H164Pb	3.431294918	169.2816	4.345163	9.1710453	31.37469673	5.282597	127.8	9314
32H164SbPb	1.95012784	23.98156	1.923686	2.39865494	9.842508316	2.65243	130.42857	10047
32H165Pb	0.939530373	38.08837	1.028253	3.11875367	6.283424377	3.783495	127.42857	7887
32H165SbPb	1.964012265	11.28544	2.395758	5.20621967	14.73094559	3.830682	132.26315	14318
32H166SbBaPb	1.97124517	167.871	3.41033	5.97048998	16.11632347	2.262766	121.03247	9917
32H167Pb	1.461276174	111.4437	1.694057	2.6230104	9.921740532	3.475526	128.26315	8056
32H167SbPb	0.978792191	153.7641	1.228998	2.178298	4.72997427	1.500776	120.45	12732
32H168SbPb	10.07699203	22.57088	8.883707	12.6643934	122.8072586	19.36244	131.08038	11730
32H169SbPb	1.126824021	112.8544	1.13308	1.85475671	4.650742531	1.706963	129.58824	14860
32H16SbPb	5.484691143	138.2467	3.866951	7.24084902	38.581707	10.08617	131.9697	10884
32H170BaPb	0.977788806	157.9962	1.028253	1.31152749	3.209340334	0.987034	125.28571	13115
32H170Pb	6.918808937	177.7457	5.816679	12.1870375	82.6585083	20.46094	129.3884	11860

32H170SbPb	12.73750496	132.6039	9.950329	19.6439247	186.509079	35.598	128.47749	14517
32H171Pb	13.29876614	128.3719	9.851167	23.0494118	168.2326355	29.54921	128.73463	11334
32H172Pb	3.411309242	21.1602	3.297747	7.32655239	30.10136604	8.441864	129.50694	9526
32H172SbPb	5.861435413	145.3001	5.364121	11.3521824	52.20739365	9.597707	128.53281	10513
32H173Pb	4.153482437	170.6923	3.905816	10.1296501	35.54043961	8.38924	127.02475	11985
32H173SbPb	1.230974674	172.103	1.427966	3.44423485	8.130595207	3.284803	131	13589
32H174SbBaPb	4.407877922	167.871	6.089433	8.21581364	28.62714958	2.239253	123.33605	10500
32H175Pb	0.867892861	157.9962	1.374061	5.24610996	10.36032581	5.760169	131.48	11159
32H176SbPb	1.948368192	112.8544	2.056507	3.16606855	12.31954384	3.636048	130.19643	9894
32H177SbPb	1.20676589	157.9962	1.13308	1.31152749	3.535876751	0.986674	135.58824	13516
32H178SbPb	4.603233814	69.12333	3.635424	10.7184753	39.61734009	12.03264	129.53714	13721
32H179Pb	1.198781133	150.9428	1.45417	1.96338177	5.303815365	1.347867	128.89285	11462
32H17SbPb	4.405471802	143.8894	3.388113	6.28488159	31.64520836	8.838951	130.83553	11553
32H180SbPb	1.709623575	150.9428	1.738065	2.5074656	8.806875229	2.60143	129.675	11990
32H181SbPb	4.139256954	118.4971	2.299244	5.01468611	24.2005043	11.22482	129.24286	11424
32H182Pb	2.043733835	42.32041	1.602417	4.99676657	12.37556839	6.043379	128.88235	7699
32H183Pb	7.0687747	38.08837	5.605092	10.2317982	53.83046722	9.345261	131.18509	8870
32H183SbPb	0.657268763	16.92816	1.13308	3.31256938	6.633168221	3.472334	129.47058	12012
32H184Pb	2.384414196	32.44564	2.621542	4.05335999	13.70492172	2.76911	127.58242	6740
32H184SbPb	8.312475204	146.7108	7.022515	13.7122927	90.70986938	16.90536	130.16539	10511
32H185SbPb	2.687404871	23.98156	1.863867	4.25326633	15.87862778	7.353541	129.28261	10653
32H186SbPb	4.004922867	38.08837	3.432404	9.35626698	32.60160828	9.140752	128.98718	9930
32H187Pb	1.464880824	18.33884	1.53009	2.31048012	8.457131386	3.095372	128.06451	9586
32H188Pb	1.843139768	119.9078	1.863867	3.38339305	8.727643013	2.221593	129.78261	11804
32H188SbPb	1.896468401	146.7108	1.648874	2.63429284	11.12544727	4.61276	128.80556	10473
32H189Pb	0.978792191	146.7108	1.13308	1.75618029	3.941644907	1.226124	137.05882	14222
32H189SbPb	1.47692883	170.6923	2.019449	4.2039485	14.78697014	5.432416	130.2037	11247
32H18SbPb	3.300937653	9.874762	4.482052	8.8883667	37.41081619	7.058967	130.01128	13001
32H190SbPb	1.916547179	108.6224	2.692599	10.2428312	24.49422264	8.384642	130.20833	10734
32H191SbPb	11.90165806	42.32041	8.175376	13.9581575	116.0388336	20.4123	128.43051	12082

32H192Pb	0.980204344	153.7641	1.099249	1.6337384	4.594717503	1.770215	127.3125	6016
32H192SbBaPb	1.214831471	165.0496	2.019449	3.78084993	8.480338097	1.786739	124.31481	10699
32H192SbPb	1.708419442	143.8894	1.45417	2.09495068	9.110203743	3.976734	129.07143	10789
32H193SbPb	6.36457777	18.33884	4.221746	10.5510511	50.51869202	14.50844	129.93645	10853
32H194SbPb	4.655277729	143.8894	3.635424	8.183074	37.95183945	11.04221	130.23428	11263
32H195Pb	1.235099673	131.1933	1.427966	2.58892512	6.306632042	1.976331	129.77777	7396
32H196Pb	2.268111467	46.55245	2.364024	10.68262	25.64190483	11.92058	128.85135	7468
32H196SbPb	1.948368192	97.33694	1.694057	6.13211536	14.5492754	7.47356	128.97368	14132
32H197Pb	0.988632739	169.2816	2.038062	3.96460938	9.5952034	2.245816	126.36364	11367
32H197SbPb	1.082875967	26.80293	1.259348	2.72290969	6.115351677	2.389197	127.42857	15574
32H198Pb	1.0409199	33.85632	1.228998	1.75623977	4.188950062	1.177088	125.55	9141
32H198SbPb	3.220020533	146.7108	2.84268	5.26857042	23.81794357	7.113006	128.42056	10347
32H199Pb	2.146367311	146.7108	2.664404	4.93131638	16.39644623	3.837072	126.69149	5164
32H199SbBaPb	2.782047749	122.7292	1.981699	4.93139839	13.59287357	4.767027	127.36539	15049
32H199SbPb	0.983578682	156.5855	1.401273	2.39854336	5.191766739	1.390866	121.53846	12226
32H19SbPb	1.224954486	21.1602	1.602417	3.39219666	9.651228905	3.675485	130.11765	10966
32H1SbPb	1.480540991	159.4069	1.602417	4.16170263	11.7457037	5.443868	128.05882	13803
32H20SbPb	1.095422029	63.48061	1.13308	2.17834258	5.168559074	2.108232	129.29411	7697
32H21Pb	7.991413593	162.2282	6.444919	11.0134411	89.32449341	19.46287	129.69818	10854
32H22Pb	3.902712107	19.74952	2.895327	7.01191521	27.68035698	9.260806	129.04504	11682
32H23SbPb	1.218919277	33.85632	1.197879	1.75622678	4.650742531	1.527283	133.05263	13894
32H24Pb	1.38932085	165.0496	1.822898	3.78084993	8.265850067	2.083295	121.54546	11890
32H25Pb	2.864616394	132.6039	2.84268	4.99700451	17.72579765	3.939637	129.11215	9004
32H25SbPb	3.331663132	53.60585	3.70742	5.40734529	21.9939785	3.565863	128.22528	11244
32H26SbPb	2.701873064	166.4603	2.921294	6.4983263	26.72395325	8.479132	129.93805	10847
32H27SbPb	0.988142192	22.57088	1.13308	1.85468984	4.650742531	1.706963	130	11322
32H28Pb	1.447214007	131.1933	1.554573	2.58893251	7.421497345	2.3092	131.53125	8825
32H29SbPb	1.228559136	15.51748	1.843497	4.54981327	12.47800732	4.642013	131.51111	12385
32H2Pb	16.71015358	134.0146	14.61164	30.8245525	351.2754517	58.55961	128.90804	8629
32H2SbPb	1.709623575	29.62428	1.780987	3.38324428	8.998155594	2.586343	127.71429	14406

32H30Pb	1.22012341	33.85632	1.45417	1.75622487	4.921254158	1.160438	125.39286	12033
32H30SbPb	1.465783954	146.7108	1.648874	2.63427782	9.133411407	3.108794	129.66667	10921
32H31SbPb	2.107660055	49.37381	1.716202	4.14734316	12.59005642	5.452795	130.33333	9545
32H32Pb	1.025358319	125.5505	1.427966	3.31247258	7.015729427	2.44574	129.81482	14206
32H32SbPb	1.948368192	125.5505	1.671618	2.97272134	10.03378868	3.650536	130.67567	8202
32H33BaPb	1.260706306	145.3001	1.625811	2.97279549	8.130595207	2.533991	125.05714	10170
32H33Pb	1.159563899	47.96313	1.625811	3.96450543	8.592387199	2.83001	129.71428	8992
32H33SbBaPb	0.977781415	45.14177	1.099249	1.37770033	3.479852438	1.015383	127.625	9936
32H33SbPb	2.205143929	162.2282	1.943216	4.0824728	15.87862778	6.765258	128.8	12584
32H34Pb	0.867439449	63.48061	1.099249	1.6337558	3.727157354	1.164834	124.4375	3888
32H34SbPb	1.466077447	25.39224	2.000664	3.48685241	11.03660583	3.083355	127.24529	10402
32H35Pb	2.55941844	26.80293	1.923686	3.26749158	11.93698406	3.901409	125.10204	6800
32H35SbPb	1.199951768	50.78449	1.064343	1.55938423	4.268181801	1.629382	130.39999	14532
32H36SbPb	5.920432091	15.51748	3.656139	8.33046627	42.38809204	13.61893	129.81355	12471
32H37SbPb	4.124302864	155.1748	3.905816	9.37246418	41.8470726	11.63074	131.1188	10990
32H38BaPb	2.025591135	132.6039	2.019449	4.30876064	16.97028732	7.155056	127.83334	11543
32H38Pb	0.982608736	150.9428	1.288984	1.96338916	4.785998344	1.396853	125.95454	6894
32H38SbBaPb	2.396696329	153.7641	1.943216	3.26744699	14.35799503	5.531539	127.78	9998
32H38SbPb	1.360763669	159.4069	1.884018	4.16171741	9.268667221	2.452252	125	9832
32H39Pb	2.436634541	8.464081	3.343235	6.88841009	24.74152756	5.549064	129.30405	8651
32H38Unclassified	1.843310714	153.7641	1.981699	2.72288728	9.977765083	2.568571	127.98077	11047
32H39SbPb	2.688616514	163.6389	3.551357	5.31899214	20.87911415	3.502161	129.15569	9926
32H39Pb	1.466084957	155.1748	1.602417	2.94272399	9.189435005	3.33217	127.44118	4957
32H39SbPb	2.924926996	28.21361	3.228313	4.68462658	21.34090614	4.427668	129.47101	10408
32H40Pb	4.63106823	12.69612	3.727735	7.50242233	29.83085632	6.488466	124.1087	13290
32H3SbPb	4.880508423	25.39224	3.837544	6.75367403	35.56364822	8.701746	127.68718	11340
32H40SbPb	2.560399532	167.871	2.577967	4.49065495	20.41732216	6.355406	130.47728	15365
32H40Pb	9.311746597	114.2651	7.922032	16.5682793	120.5543213	23.46351	127.33334	7169
32H40SbPb	0.980189502	29.62428	1.317953	1.96352637	4.921254158	1.412707	125.13043	16182
32H42SbPb	1.461276174	33.85632	1.45417	1.75623226	5.844839096	1.636875	127.35714	9935

32H41Pb	1.967633009	11.28544	3.530027	5.20621967	13.48082352	1.47767	128.74545	8120
32H42SbPb	3.617730141	29.62428	3.047815	6.76648855	25.147295	6.897725	129.08943	14023
32H43SbPb	1.616718054	110.0331	1.288984	4.16153908	9.740070343	5.785354	129.22728	14194
32H43Pb	1.926457405	25.39224	2.215607	3.48684502	10.90135002	2.452876	128.63077	12156
32H43SbPb	4.082703114	143.8894	3.37695	6.28486681	23.49140739	4.903086	129.49007	13370
32H45Pb	3.844412088	114.2651	4.310262	7.1958456	36.27274323	7.175531	127.38211	10463
32H44Pb	4.657448292	159.4069	4.614882	8.55140972	43.55898285	9.02682	128.65602	12864
32H45SbPb	10.85951519	112.8544	8.312787	22.7059402	158.1468201	36.67146	129.23715	13552
32H45Pb	8.925819397	73.35538	7.630681	18.0321999	116.3189545	23.54372	129.96368	13049
32H45SbPb	1.927909493	153.7641	1.863867	2.17830586	6.689192772	1.305022	129.89131	9493
32H46SbPb	0.812365115	124.1399	1.064343	1.75618029	4.076900959	1.486611	118.66666	10746
32H46Pb	1.478668094	73.35538	1.374061	2.54269552	7.015729427	2.641399	138.75999	13879
32H47Pb	0.975373268	18.33884	1.099249	1.54031825	3.671133041	1.130079	126.3125	5733
32H46SbPb	25.65227509	102.9797	16.40378	32.4930878	504.0256348	95.65724	130.01544	11127
32H47SbPb	0.728646159	104.3903	1.13308	3.0124402	6.768424511	3.615386	128.41176	14938
32H47Pb	10.76959038	26.80293	7.855017	16.4472427	135.4165344	30.11271	128.44186	10212
32H48Pb	2.679006338	148.1214	2.347997	3.17528105	13.49043369	3.344702	131.0137	9131
32H47SbPb	3.826812029	35.26701	4.687946	6.82343245	25.85639191	3.082274	130.76633	11197
32H48SbPb	1.709623575	15.51748	1.694057	2.77682257	10.16904545	3.650944	125.94736	10025
32H48Pb	5.952501297	142.4787	5.371156	10.9588633	67.76909637	16.12978	129.00786	7160
32H49Pb	8.036944389	126.9612	5.631975	10.7649603	63.22079468	12.7673	128.57381	12154
32H48SbPb	3.060081959	142.4787	1.843497	4.33594704	14.33478737	6.126302	128.11111	12086
32H49SbPb	1.461276174	66.30197	1.401273	1.85471952	4.785998344	1.181953	124.11539	12069
32H49Pb	2.447753429	112.8544	2.503659	4.47738791	13.64889717	3.01124	124.20482	11997
32H4Pb	0.739066005	156.5855	1.16593	1.8547827	4.72997427	1.667529	121.83334	4756
32H49SbPb	2.98370266	7.053401	5.454867	9.0925436	27.24176979	2.526986	126.74619	14758
32H4SbPb	3.672429323	8.464081	3.497789	6.64751387	29.77482986	7.341959	129.25926	9240
32H4Pb	1.482952356	8.464081	2.395758	5.40719652	15.74337196	4.375325	127.80264	9374
32H4SbPb	1.222536087	156.5855	1.505209	2.39853954	5.518302917	1.361815	124.33334	10655
32H50Pb	4.140282631	56.42721	2.315609	5.26869678	23.05282021	10.04195	129.81689	13431

32H51Pb	1.727699161	169.2816	3.157352	4.96711111	15.82260418	2.544547	127.93939	14033
32H51SbPb	2.447471142	19.74952	2.720503	3.62056208	12.53403187	2.15072	128.32654	9585
32H53Pb	0.977870584	110.0331	1.064343	2.08076954	4.842022896	2.096963	131.53334	15012
32H52SbPb	1.236998677	172.103	2.215607	5.16632986	16.55490875	5.656772	130.27692	12621
32H53Pb	2.184132338	148.1214	1.427966	3.17528486	10.55160522	5.532249	131	12523
32H54Pb	3.915971518	8.464081	4.961864	10.8502398	48.42421722	9.650193	129.37117	11229
32H54SbPb	1.643593788	26.80293	1.228998	2.7229023	7.207009315	3.484244	131.60001	14419
32H55Pb	4.623821735	8.464081	3.788026	9.36903	45.37333679	14.53705	129.13158	12772
32H57Pb	1.221334815	33.85632	1.099249	1.75622857	5.709583282	2.733489	128	8262
32H56SbPb	2.862438679	19.74952	3.41033	7.78187275	31.83648872	8.829946	129.02597	10515
32H57SbPb	2.371452093	16.92816	2.761829	4.31545353	15.95785904	3.382644	127.66337	12040
32H57Pb	17.60519409	31.03497	14.28759	26.6477318	377.2342834	70.63251	129.38438	12177
32H58SbBaPb	3.132589102	162.2282	4.048237	7.39482307	20.66462708	2.640121	122.12904	7290
32H57SbPb	1.952783108	11.28544	2.457996	4.96738625	18.64938354	5.83267	129.5	15430
32H58SbBaPb	2.93336463	143.8894	3.263215	4.18991613	13.59287357	1.758053	120.31206	6596
32H59SbPb	1.217730165	78.99809	1.064343	2.48365641	6.474705219	3.749533	129.53334	14663
32H59Pb	0.736654639	31.03497	1.028253	1.42011535	3.61510849	1.2524	122.14286	4076
32H59SbPb	13.0118742	162.2282	11.69164	21.1824398	225.1043701	37.55932	128.82928	13055
32H60Pb	1.217730165	119.9078	1.317953	1.96351552	5.574327469	1.812531	130.86957	17053
32H5Pb	1.903971434	8.464081	2.232585	4.92540789	17.59054184	6.289888	128.19698	6670
32H60Pb	3.917182922	29.62428	4.113013	6.4343853	25.99164963	4.046207	124.9375	10541
32H60SbPb	1.058557153	117.0865	1.259348	2.72281313	6.227400303	2.477551	124.61905	13735
32H61Pb	1.229763269	12.69612	2.379944	4.25315142	11.1158371	2.210301	129.53334	8317
32H62SbBaPb	4.140282631	141.068	4.06685	5.02080297	29.14496422	5.20369	131.57535	11180
32H63SbBaPb	4.702115059	21.1602	7.704552	12.4844542	69.85395813	8.328906	118.67939	10799
32H65Pb	0.973931372	57.83789	1.197879	4.05321121	8.321875572	4.890094	128.1579	7475
32H64Pb	7.038961887	50.78449	4.854152	13.1603966	59.22312546	15.08191	129.20833	11570
32H65SbPb	2.688066483	167.871	2.592574	4.72876787	18.97591972	5.428053	128.41573	14557
32H65Pb	1.600418806	67.71265	1.694057	3.16604638	8.513154984	2.558739	138.47368	10555
32H65SbPb	26.26076889	70.53401	20.77697	51.1469841	903.678894	191.6746	129.36232	12926

32H66SbBaPb	2.691024542	132.6039	1.780987	3.62051749	14.32517719	6.555097	130.30952	10260
32H66SbPb	1.858981967	111.4437	1.45417	2.62302518	7.99533844	3.06298	129.42857	14771
32H68SbPb	1.726495147	162.2282	2.761829	4.85257721	15.49606705	3.189701	129.70297	13564
32H67SbBaPb	1.715647459	173.5137	3.228313	6.61618996	20.8230896	4.215409	119.03623	10370
32H69SbBaPb	1.960393906	163.6389	3.37695	6.08864307	23.60345459	4.94997	117.8808	10144
32H68SbPb	1.463669419	40.90973	1.53009	2.24535346	7.748033524	2.598063	129.83871	10838
32H6Pb	3.567962646	32.44564	3.035401	5.8091836	24.87678337	6.805453	128.22131	4794
32H69SbBaPb	1.228562951	7.053401	1.694057	3.9270606	11.41916656	4.60377	117.81579	10501
32H70Pb	1.959148884	131.1933	1.53009	2.58892894	10.41635036	4.695673	127.77419	4935
32H6Pb	2.679006338	73.35538	2.503659	3.54581952	11.55442238	2.157977	127.24097	6044
32H70SbPb	1.713235736	15.51748	1.843497	2.77682257	6.959704876	1.444101	123.71111	14514
32H70Pb	1.729752421	45.14177	1.578676	2.41097403	8.209826469	2.740201	125.87878	12549
32H70SbPb	7.975218296	166.4603	8.737993	14.5313501	89.40372467	10.6069	128.61722	13868
32H71SbPb	3.670924187	100.1583	4.194827	17.5791054	49.15651703	13.91345	129.83691	14455
32H71Pb	1.233386517	172.103	1.981699	3.68547678	8.671618462	1.940106	132.80769	14617
32H71SbPb	2.589296818	153.7641	1.903955	7.62407255	18.4677124	9.532644	129.39583	12782
32H73SbBaPb	3.530863523	150.9428	2.882255	6.97830582	26.10369682	8.310741	128.26364	10998
32H72Pb	4.640574455	15.51748	4.371157	8.33046627	38.85221863	8.004598	128.64822	10762
32H73SbBaPb	2.459333181	149.5321	2.650193	4.80347872	12.99582481	2.436426	128.73119	10105
32H73SbPb	1.30679667	118.4971	1.625811	3.05161643	7.883289814	2.382185	130.42857	13878
32H74SbPb	1.68198967	121.3185	1.884018	5.68031263	12.45480061	4.427964	130.78723	11917
32H74Pb	1.341693878	8.464081	1.374061	5.40720034	11.3399353	6.900961	128.16	9746
32H75Pb	1.914398193	16.92816	1.863867	2.54267311	9.977765083	2.903602	128.56522	8922
32H74SbPb	3.064437389	107.2117	2.249435	9.1677599	22.27410316	9.934684	129.44775	14861
32H75SbPb	2.601158857	12.69612	2.947033	4.49074793	17.97310257	3.768571	127.41739	12451
32H75Pb	6.4860816	11.28544	3.625023	8.4540863	48.37779999	18.0456	128.8793	11553
32H75SbPb	6.536939621	176.335	5.293258	8.29476833	55.43994522	11.11476	128.86523	12652
32H76Pb	6.768147945	150.9428	6.479978	20.2725716	99.73123169	24.00026	129.4946	11485
32H77Pb	2.241745472	152.3535	1.822898	4.14016342	13.81697083	5.821051	128.54546	9242
32H76SbPb	1.205913424	142.4787	1.401273	2.43530226	5.247790813	1.421046	128.53847	12987

32H77Pb	2.200324059	35.26701	1.943216	2.97282434	12.09544659	3.925566	129.39999	11035
32H78Pb	1.461276174	56.42721	1.479909	1.75623977	4.72997427	1.035018	125.13793	12186
32H77SbPb	1.464873433	29.62428	1.228998	1.96352577	5.956888199	2.380331	128.5	15385
32H78Pb	2.404845953	150.9428	2.563278	3.92677832	16.0138855	3.9546	127.97701	12116
32H78SbPb	1.379407883	135.4253	1.625811	2.41091084	7.015729427	1.886714	126.6	10067
32H78SbBaPb	1.848877668	32.44564	2.198498	3.17545581	10.90135002	2.491202	128.26563	12439
32H79Pb	5.729931355	14.1068	4.977062	7.02915096	41.76783752	7.135733	127.46951	11896
32H78SbPb	6.868461609	156.5855	5.089594	9.81765175	61.34080505	14.71747	127.50729	13299
32H79SbPb	3.425274849	132.6039	2.650193	4.65288258	17.99631119	4.672103	128.69893	13528
32H79Pb	14.9187994	136.836	10.10472	22.5648727	197.783371	38.81783	128.63536	11134
32H7Pb	1.956781745	21.1602	1.943216	3.39219308	12.3427515	4.087732	128.84	10759
32H79SbPb	2.69705224	26.80293	2.518696	5.44581175	20.90232277	6.978116	128.2738	13175
32H7Pb	1.956781745	159.4069	1.822898	2.85047245	11.80172729	4.24685	129.34091	6463
32H80Pb	1.308802485	126.9612	1.578676	2.43546033	5.900863647	1.415617	123.84849	15453
32H7SbPb	0.735450566	15.51748	1.064343	1.77299249	3.99766922	1.429391	119	9749
32H80SbPb	3.139698267	42.32041	2.621542	3.96461868	18.37887001	4.979947	127.67033	12184
32H80Pb	10.29222775	122.7292	7.979026	13.7113409	113.6834641	20.56816	130.17674	8754
32H81Pb	4.201525688	122.7292	4.029539	7.22883081	39.69657135	9.833224	131.49768	1740
32H80SbPb	3.964904785	121.3185	3.508568	5.68031263	28.62714958	6.745234	128.5092	13629
32H81Pb	2.445072174	160.8176	2.734347	4.39054728	14.38120174	2.802745	127.62626	7406
32H81SbPb	1.967154622	165.0496	2.985225	6.32235622	20.57578468	4.813481	128.64407	10418
32H82Pb	5.332147598	29.62428	4.094611	11.2373505	47.26293564	13.49947	129.13063	6366
32H82SbPb	1.222546339	16.92816	1.884018	4.08246565	12.88377571	4.738238	128.36171	9581
32H83SbBaPb	3.674840927	150.9428	5.454867	6.43423653	22.12923622	1.667497	130.05077	8097
32H84SbPb	3.413226843	18.33884	2.997848	5.39111662	23.9764061	6.481114	130.33614	10491
32H85SbPb	4.909985542	18.33884	5.6654	10.243248	49.12369919	7.617661	129.06117	12187
32H85Pb	1.157768965	139.6573	1.427966	1.90206409	4.921254158	1.203417	125.48148	3629
32H86Pb	1.163458467	162.2282	1.738065	3.08043957	9.786483765	3.212342	130.22501	13459
32H85SbPb	2.179204702	153.7641	2.775468	4.35661077	12.47800732	2.047947	122.15686	8196
32H86SbPb	1.379404187	141.068	1.288984	1.55944371	5.900863647	2.123425	128.90909	10232

32H86Pb	4.844609737	33.85632	4.639365	8.24095726	51.52150345	12.4957	128.86316	14274
32H87Pb	6.819288731	67.71265	5.906866	10.0411968	85.73258972	21.34413	127.24242	13186
32H86SbPb	6.08978796	155.1748	3.19303	7.73947239	41.40848541	17.04015	128.66667	14087
32H87SbPb	4.366540432	101.569	2.748122	10.6993017	29.33624649	11.54616	129.31	7083
32H87Pb	5.071166992	126.9612	3.096977	8.18306637	36.84658432	14.34231	130.65355	13518
32H88Pb	7.306380749	66.30197	5.906866	13.5269499	83.49325562	20.24367	130.21861	11055
32H87SbPb	6.076929569	119.9078	5.932381	13.9557791	96.49868011	26.80929	128.63304	10395
32H89Pb	2.550354481	39.49905	2.215607	3.46141624	14.70773888	4.46485	126.16923	10099
32H88Pb	1.4763937	29.62428	1.374061	2.50733566	7.094961166	2.701397	127.16	7881
32H89SbPb	4.630934715	4.23204	3.465251	6.59375906	29.58355141	7.384684	126.92453	12370
32H89Pb	1.552894831	126.9612	1.625811	2.43545651	8.401106834	2.705412	127	3060
32H89SbPb	3.428147316	163.6389	4.029539	8.86497307	34.14545441	7.275381	128.01395	13291
32H8SbPb	2.922552347	119.9078	2.163874	4.80324793	15.6641407	5.309454	129.3871	12704
32H8Pb	4.108255863	4.23204	5.496245	10.2549582	40.37285233	5.466978	129.19749	8626
32H8SbPb	7.809601307	155.1748	8.815435	16.3465633	120.4518814	18.91648	130.19339	9535
32H91Pb	5.854673862	170.6923	6.157267	9.12890339	45.84474182	5.616991	127.34661	15107
32H90SbBaPb	1.478140354	167.871	2.895327	4.72875309	13.72812843	2.277866	119.0991	10777
32H91SbPb	1.126868606	38.08837	1.099249	1.55938053	3.941644907	1.302757	138.375	13599
32H91Pb	1.744518757	64.89129	1.981699	2.94257998	7.804058552	1.571325	136.15384	14761
32H91SbPb	10.8081646	74.76605	11.9567	30.0114002	243.1334991	41.8955	128.49129	13852
32H92Pb	1.617832899	47.96313	2.146352	3.62053967	11.09263039	2.706248	130.32787	2502
32H91Unclassified	0.981404722	156.5855	1.3463	1.85477901	4.403437614	1.083929	123.41666	2103
32H92SbPb	0.906875968	63.48061	1.13308	2.17834163	5.112535	2.062776	129.35294	13495
32H92Pb	3.85440135	71.94469	3.788026	6.93128824	34.9665947	8.633393	128.33684	7586
32H92SbPb	2.903837442	71.94469	3.343235	6.93128824	24.62948036	5.498917	128.72298	14105
32H93Pb	6.390650749	155.1748	4.88517	11.2265148	65.39450073	18.15615	128.18037	12091
32H94Pb	1.222536087	39.49905	1.197879	1.90212822	5.383046627	2.04612	130.52632	12202
32H96Pb	1.387055874	124.1399	1.3463	1.75618029	6.633168221	2.45957	127.29166	2677
32H95SbPb	5.225477219	40.90973	4.8151	8.9814024	47.4678154	9.84665	131.84364	10241
32H96SbPb	2.835652351	112.8544	2.664404	6.10772228	19.68501663	5.530599	129.73404	12021

32H96Pb	3.666405201	163.6389	3.274766	5.31897736	24.27973557	5.569651	127.99296	9469
32H97SbPb	1.285748005	146.7108	1.625811	2.63426304	6.036119938	1.396613	132.88571	14514
32H96SbPb	1.959189773	159.4069	2.198498	3.39210367	12.01621532	3.026801	129.17188	7576
32H97SbPb	6.864035606	155.1748	5.250281	12.638484	62.70298004	14.45147	129.8685	11232
32H98Pb	1.956766844	169.2816	1.962552	4.20393372	16.74618912	7.377178	128.37254	13630
32H99SbBaPb	5.386872768	169.2816	8.616142	9.93423653	47.08525085	3.025831	122.29705	10476
32H98SbPb	1.374955893	32.44564	1.479909	3.17545581	7.421497345	2.548083	130.79311	11958
32H99SbBaPb	1.224946976	172.103	1.822898	3.68547678	10.76609325	3.534208	117.27273	10570
32H9SbPb	3.610974073	69.12333	3.758001	8.32330227	30.61918449	6.726266	129.10695	13863
32H9Pb	1.242881536	69.12333	1.53009	5.47301531	11.76891041	5.99431	129.74193	6034
32H9SbPb	0.876953006	60.65925	1.259348	3.92696404	8.321875572	4.424371	130.38095	14820
8H1Pb	4.624267578	28.21361	3.297747	8.06592941	36.43120575	12.36554	129.81944	13109
15H1SbPb	2.237133265	31.03497	2.110873	5.68041468	16.55490875	6.232037	121.57627	16903
34F1Pb	0.91899085	143.8894	1.197879	3.31258035	7.071753502	3.531255	120.68421	9060
34F1SbPb	1.959189773	160.8176	1.802065	3.6204505	11.7457037	4.304453	120.67442	13174
34H10Pb	2.719408989	110.0331	2.181255	6.24230862	17.51131058	6.53018	122.47619	7504
34H10SbPb	3.279283047	126.9612	2.761829	6.96533585	20.87911415	5.790701	123.07921	14159
34H11Pb	1.403169394	14.1068	1.625811	3.01249957	8.727643013	2.919808	116.8	9732
34H11SbPb	0.864882708	45.14177	1.028253	2.06655145	4.188950062	1.681554	120.57143	16376
34H12SbBaPb	2.203939915	165.0496	3.827692	5.55362701	15.44004345	1.648632	116.63402	11672
34H13Pb	3.007965803	101.569	3.614591	8.2156353	32.8489151	8.368052	123.16763	5665
34H14SbPb	2.199123621	9.874762	2.038062	4.44418001	15.63132286	5.96015	121.63636	13876
34H15SbPb	1.704822183	100.1583	2.163874	5.68555975	16.12593269	5.627123	122.66129	12273
34H16Pb	2.024208784	66.30197	1.671618	3.70944285	11.58724022	4.868405	123.18919	9395
34H16SbPb	2.587854862	36.67769	1.780987	4.87089825	14.38120174	6.606471	124.7619	15415
34H17Pb	0.948007047	59.24857	1.13308	2.84018612	6.036119938	2.87538	123.29412	6445
34H17SbPb	1.552026153	47.96313	1.288984	3.96450543	9.380716324	5.366335	125.13636	17123
34H18Pb	7.014219284	39.49905	4.830759	9.6985693	50.54189682	11.09106	122.589	9968
34H18SbPb	2.197912216	150.9428	1.780987	3.05151987	9.24546051	2.730462	121.7381	15851
34H1SbPb	5.712059498	2.82136	5.037392	12.6850071	75.96931458	23.04441	121.78571	11077

34H2SbPb	1.956781745	15.51748	1.738065	3.54598498	15.03427505	7.581121	120.375	11960
34H3SbBaPb	2.379107475	166.4603	3.19303	5.02063942	19.35848045	3.724236	121.17778	10069
34H4Pb	2.621553659	173.5137	2.146352	4.16880798	17.91707802	7.06046	121.14754	8019
34H5SbPb	1.959197283	162.2282	2.761829	3.85055113	11.2278862	1.674569	125.23763	13069
34H6Pb	1.087458134	111.4437	1.13308	2.62301779	6.497912407	3.33217	124.17647	8026
34H6SbPb	1.938925266	52.19517	1.625811	2.77684879	8.862898827	3.011008	123.82858	15386
34H7SbPb	7.300726414	118.4971	6.820661	10.2434034	79.14583588	13.64281	122.4724	13989
34H8SbPb	3.65643096	162.2282	3.286277	8.47119236	32.52238083	9.923321	121.81119	14417
34H9SbPb	2.15744257	22.57088	1.427966	3.70936465	11.01339817	6.027086	121.85185	15244
16H1Pb	6.100133896	146.7108	6.24858	13.3750229	72.59189606	13.67459	125.82979	4189
43H10Pb	3.901508093	165.0496	3.778044	6.55766678	27.48907661	5.363977	124.34392	8983
43H10SbPb	1.959150791	157.9962	2.074787	3.93458223	13.37838554	4.212704	123.73684	11869
43H11SbPb	1.485357285	166.4603	2.249435	5.25742197	15.49606705	4.808356	129.29851	14750
43H12Pb	3.160070658	150.9428	3.06018	6.43424416	22.75910187	5.604243	125.02419	11923
43H13SbPb	5.60751915	176.335	5.185147	10.98386	65.05835724	15.95088	126.25562	14512
43H14SbPb	2.196708202	159.4069	2.092908	5.47296238	19.16720009	8.49802	126.01724	15066
43H15SbPb	3.670017481	148.1214	3.697221	5.13745117	19.70822525	2.879021	125.9337	17026
43H16Pb	3.182932854	29.62428	4.085378	6.43437767	26.2061367	4.169098	128.88235	15094
43H17SbPb	4.910915375	156.5855	5.328807	8.73013783	47.96242523	8.208103	126.01862	17243
43H18BaPb	1.226151109	143.8894	1.3463	2.09495807	4.72997427	1.250647	126.45834	13258
43H18Pb	4.349736691	170.6923	3.925104	5.92570925	36.54325485	8.782391	126.20588	12788
43H18SbPb	2.68500042	25.39224	2.761829	4.57578945	15.95785904	3.382644	125.70297	14574
43H19Pb	0.861489832	139.6573	1.064343	1.9020716	3.99766922	1.429391	123.86667	4953
43H19SbBaPb	0.980204344	22.57088	1.317953	1.85468054	6.306632042	2.32004	123.3913	12246
43H19SbPb	3.325457096	50.78449	3.572559	5.02081776	22.29730988	3.946814	126.05325	15911
43H1Pb	1.709623575	12.69612	2.074787	4.25315857	15.57529926	5.709872	125.07018	11148
43H20SbPb	3.425270557	167.871	2.607098	5.7323842	28.85124588	12.40838	125.77778	14492
43H21SbPb	1.217730165	63.48061	1.3463	1.63375318	4.268181801	1.018364	127.75	13220
43H22Pb	1.422378063	155.1748	1.427966	2.94271278	7.86008215	3.069862	126	17223
43H23SbBaPb	2.459526539	174.9243	4.465171	6.10786915	21.9939785	2.458284	116.40151	11776

43H24SbPb	5.132479191	129.7826	3.604129	6.39246273	40.77861786	12.97075	127.76163	13768
43H25Pb	1.638881564	60.65925	1.505209	2.50742841	6.824448586	2.082775	127.96667	9314
43H25SbPb	1.704822183	60.65925	1.505209	2.50742841	7.939313889	2.818857	126.1	17230
43H26Pb	2.421138048	21.1602	2.26616	4.1614871	13.37838554	3.531237	124.27941	10756
43H26SbPb	1.57299304	36.67769	1.45417	3.31236863	8.862898827	3.76376	126.64286	14039
43H27Pb	2.83001852	32.44564	2.146352	8.64844418	21.9707737	10.61669	126.55738	5792
43H27SbPb	1.733816147	162.2282	2.442585	6.6247077	15.49606705	4.077973	126.97469	16528
43H28SbBaPb	8.280565262	129.7826	9.661517	10.8827791	79.07621765	6.787373	116.65615	13341
43H29SbPb	2.439778566	166.4603	2.548504	5.25742197	21.21526146	7.021449	123.17442	10649
43H2Pb	1.238206506	11.28544	2.607098	5.2062273	11.38634968	1.932658	123.95556	13360
43H30Pb	2.112896204	129.7826	2.163874	6.04946661	13.89620209	4.178583	127.32258	3708
43H31Pb	1.222535133	35.26701	1.578676	2.09503984	5.518302917	1.238014	127.42424	10689
43H31SbBaPb	0.813197553	32.44564	1.099249	2.297544	4.785998344	1.920673	118.9375	15418
43H31SbPb	2.435460329	62.06993	2.457996	3.59583974	14.95504379	3.750713	124.8875	15858
43H32Pb	3.237851143	162.2282	2.895327	6.16087151	32.44314575	12.72188	125.88288	10353
43H33Pb	1.474516988	9.874762	1.802065	4.44418001	15.11350727	7.126732	125.46512	11230
43H34Pb	1.879963756	118.4971	1.943216	3.59588623	9.054180145	2.199666	128.98	12973
43H34SbPb	2.550350904	35.26701	1.780987	3.85061073	12.45480061	4.955103	127.5	12271
43H35SbPb	3.845598459	170.6923	4.212792	8.40788269	39.31401062	8.823792	125.74468	15721
43H36Pb	0.805092514	14.1068	1.099249	2.00832939	4.594717503	1.770215	118.6875	13414
43H36SbBaPb	1.956780791	131.1933	2.092908	2.58893085	9.054180145	1.896263	122.0862	9471
43H36SbPb	10.23809719	165.0496	8.611758	25.9325218	162.7839508	36.20263	125.3167	13312
43H37Pb	0.954146266	55.01653	1.028253	2.97285509	6.092144489	3.556647	125	10392
43H37SbPb	2.12934804	18.33884	2.198498	3.0806253	13.84017849	4.015428	123.96875	16509
43H38SbPb	1.950754046	29.62428	2.000664	2.50733566	7.61277771	1.467029	123.67924	13167
43H39SbPb	6.596152306	159.4069	4.984643	8.8650589	74.78482819	22.80654	126.35562	16778
43H3SbPb	0.671999872	135.4253	1.13308	4.47741747	7.813668728	4.818252	126.41177	10958
43H4SbPb	1.233806491	117.0865	1.064343	2.17825341	5.765607834	2.973222	126.26667	17334
43H5SbBaPb	3.1684618	143.8894	2.315609	4.18991613	18.59335899	6.532596	125.85915	13922
43H6Pb	1.470901132	11.28544	1.843497	3.96437144	12.53403187	4.683791	124.68889	5156

43H6SbPb	7.06283474	122.7292	4.79939	8.10683155	61.01427078	16.37538	126.74754	14383
43H7Pb	1.951950669	12.69612	2.748122	5.25705051	18.89668846	4.790709	123.65	10856
43H7SbPb	6.183607578	49.37381	6.064578	8.29468727	60.44042969	10.06363	126.55031	11091
43H8Pb	1.168029428	28.21361	1.228998	3.05154967	6.959704876	3.249227	127.35	9655
43H8SbPb	0.953990161	28.21361	1.028253	3.05154967	6.227400303	3.716327	129.07143	17039
43H9SbPb	3.803920031	31.03497	3.915472	8.18637371	36.29594803	8.706602	126.74384	14381
24H1SbPb	1.526190996	138.2467	1.374061	3.27655911	8.051362991	3.478782	125.96	18681
45H100Pb	1.708417654	15.51748	2.215607	3.78065658	13.07505703	3.528598	126.50769	13351
45H100SbPb	5.690732956	25.39224	4.830759	11.1094465	58.43479538	14.82562	126.31392	14413
45H101Pb	1.461276174	33.85632	1.374061	1.75622857	6.553936958	2.305117	125.44	9615
45H101SbBaPb	1.951950669	25.39224	2.503659	4.57578897	12.66928864	2.594507	125.28915	16225
45H101SbPb	1.228551745	166.4603	2.110873	3.01238823	8.130595207	1.503215	126.91525	16503
45H102Pb	6.393075466	78.99809	4.473619	12.1327362	45.30371475	10.39083	128.01888	13267
45H102SbPb	1.094552398	138.2467	1.228998	3.62042069	7.99533844	4.288171	130	12515
45H103SbBaPb	0.978993118	22.57088	1.16593	1.85468054	4.921254158	1.805126	115.72222	14394
45H104SbPb	3.562653065	156.5855	3.727735	6.87535143	28.37984467	5.872602	125.80434	18353
45H105Pb	2.435460329	70.53401	2.563278	6.70069313	23.95319939	8.847818	127.55173	12604
45H106SbPb	3.173292875	145.3001	2.621542	5.06765699	21.45295525	6.785179	130.02197	13555
45H107Pb	3.671645164	173.5137	3.19303	7.1001606	33.19865799	10.95307	127.28889	14056
45H107SbPb	0.980196953	163.6389	1.317953	1.77299249	5.439071178	1.725639	126.08696	12065
45H108BaPb	1.035830617	143.8894	1.317953	2.09495807	5.956888199	2.069853	123.56522	15604
45H108Pb	1.182418585	77.58742	1.197879	2.24537945	5.63035202	2.238442	125.47369	10488
45H108SbBaPb	1.221334815	33.85632	1.259348	1.75622773	4.268181801	1.163844	121.61905	14108
45H108SbPb	7.68398571	25.39224	8.253523	19.612114	110.609375	18.19725	125.88581	17285
45H109Pb	7.656262398	108.6224	5.725072	8.70251179	65.09117889	13.09733	126.90553	16240
45H109SbBaPb	0.739066482	166.4603	1.13308	2.008255	4.403437614	1.530253	122.41177	13593
45H109SbPb	3.900251865	167.871	4.405576	9.45753574	38.16632843	7.604245	124.92607	14705
45H109Unclassified	1.221327424	22.57088	1.884018	3.1660974	7.556753635	1.630051	129.7234	1565
45H10SbPb	1.06466651	23.98156	1.197879	2.39865494	5.709583282	2.301885	126.05264	18251
45H110Pb	0.976582885	162.2282	1.028253	1.54021609	3.806388855	1.388439	121.07143	9849

45H110SbBaPb	0.982608736	150.9428	1.3463	1.96339095	4.538693428	1.15154	124.54166	13381
45H110SbPb	1.621797204	18.33884	1.374061	2.31047726	6.633168221	2.361187	121	14212
45H111BaPb	1.898124933	60.65925	2.019449	2.50742841	8.727643013	1.892468	126.37037	13043
45H111Pb	0.978992879	149.5321	1.16593	1.42005217	5.247790813	2.052622	126.83334	8115
45H111SbBaPb	1.22133112	45.14177	1.3463	1.72212493	4.268181801	1.018364	121.33334	14844
45H111SbPb	1.217730165	124.1399	1.317953	1.75618029	4.268181801	1.06264	123.91304	12464
45H112Pb	1.525009274	138.2467	1.716202	2.93267536	7.150985241	1.75912	125.5641	8815
45H11SbBaPb	0.730638087	108.6224	1.064343	1.54031265	3.806388855	1.295876	125.8	14950
45H11SbPb	1.468485594	31.03497	1.694057	2.84021568	8.942130089	2.823104	126.42105	17944
45H12Pb	1.228562951	150.9428	1.197879	2.50745821	7.533545971	4.007502	128.3158	5936
45H13Pb	27.48908806	55.01653	22.16459	46.0094833	779.4245605	125.2937	126.53128	13128
45H13SbPb	1.034979105	121.3185	1.099249	1.42007816	4.188950062	1.471359	136.625	15470
45H13Unclassified	0.980196953	141.068	1.028253	1.55943632	3.941644907	1.488865	116.92857	1758
45H14Pb	1.218921185	12.69612	1.259348	2.24536824	6.092144489	2.371098	122.33334	16033
45H14SbPb	2.806349993	12.69612	3.309178	5.25705051	24.27973557	5.454417	125.79311	12906
45H15SbBa	1.710827589	29.62428	1.843497	2.50733185	10.22507	3.117084	137.44444	12823
45H15SbBaPb	0.978985429	163.6389	1.259348	1.77299249	4.132925034	1.09125	122.95238	13273
45H16SbPb	1.71082747	146.7108	1.903955	2.63428855	8.998155594	2.26305	126.16666	15331
45H17SbPb	1.636003375	121.3185	1.648874	2.29744363	7.748033524	2.237221	126.55556	13711
45H18SbPb	0.977787912	18.33884	1.13308	1.54031825	5.303815365	2.220017	127	16099
45H19SbPb	2.618606567	125.5505	2.427076	2.97271752	10.63083744	1.943877	125.65385	15685
45H1Pb	5.308482647	166.4603	5.014853	8.74336052	67.51217651	18.3632	127.01501	2846
45H1Unclassified	2.19191432	108.6224	1.962552	3.0806253	12.18428898	3.905338	126.09804	3005
45H20Pb	1.217730165	128.3719	1.3463	1.55943632	5.844839096	1.909688	125.79166	13383
45H20SbPb	1.468489289	35.26701	1.602417	2.09503794	7.939313889	2.487227	125.91177	17557
45H21Pb	0.925702333	26.80293	1.317953	2.7229023	5.844839096	1.992718	125.6087	12689
45H22SbPb	7.234367847	148.1214	6.968537	17.7099609	114.1220398	27.17418	128.05287	16997
45H23SbPb	1.220125198	18.33884	1.16593	2.3104763	7.398290157	4.07961	124.27778	16536
45H24SbPb	2.24004674	143.8894	2.457996	4.18991613	13.89620209	3.238401	129.675	11260
45H25Pb	1.718059301	166.4603	1.981699	4.01651764	15.30478668	6.043376	128.38461	15417

45H25SbPb	3.029698372	142.4787	2.855933	5.5536046	21.26167488	5.615644	128.34259	13769
45H26SbPb	1.226151109	157.9962	1.288984	2.62305498	8.648411751	4.561193	125.40909	16012
45H27Pb	1.488835573	35.26701	1.505209	2.09503984	5.247790813	1.231573	120.5	13395
45H27SbBaPb	0.974184096	59.24857	1.064343	1.42009485	3.806388855	1.295876	127.53333	16289
45H27SbPb	1.036928654	11.28544	1.822898	3.72553778	9.189435005	2.574859	121.59091	18395
45H28Pb	3.505180836	46.55245	2.331859	4.99701166	16.28439522	4.941278	125.08334	15509
45H28SbPb	3.431020021	170.6923	3.297747	8.12815571	35.26031876	11.58346	126.59722	12291
45H29Pb	1.217730165	124.1399	1.374061	1.75619519	5.518302917	1.634178	125.76	6984
45H29SbPb	1.71443975	31.03497	2.110873	2.84020829	9.5952034	2.093557	128.01695	13208
45H2SbPb	1.704822183	108.6224	1.288984	2.31046152	7.836875439	3.745343	125.86364	11133
45H30SbPb	2.166420937	16.92816	3.297747	6.85813046	22.59102821	4.754862	123.875	16730
45H31Pb	0.753529966	7.053401	1.943216	5.89059114	12.88377571	4.453944	125.7	14479
45H32SbPb	1.223742962	163.6389	1.3463	2.5426507	6.689192772	2.501293	125.91666	13956
45H33Pb	2.859725952	136.836	2.734347	4.30863428	16.93746948	3.887678	125.68687	16020
45H33SbBaPb	0.980189502	7.053401	1.3463	1.96352947	5.112535	1.461133	124.54166	18710
45H33SbPb	5.919347286	64.89129	5.711865	10.4609661	71.50985718	15.88095	127.48148	18001
45H34Pb	6.741337299	121.3185	6.03962	11.9033413	81.52043152	18.45926	124.95031	8455
45H34SbPb	8.036773682	28.21361	6.193954	16.676218	91.79191589	22.25223	126.20276	15568
45H35Pb	1.464873433	156.5855	1.505209	2.39853597	7.421497345	2.463146	127.16666	11777
45H36Pb	1.199948072	39.49905	1.288984	1.90212727	4.594717503	1.287429	121.22727	19183
45H36SbPb	3.192574501	165.0496	4.212792	7.56169987	29.49470901	4.966481	127.14043	19257
45H37Pb	1.327503443	16.92816	1.374061	2.54267478	6.171375751	2.043866	123.32	11994
45H37SbPb	21.4320507	129.7826	18.28483	28.3451672	513.6672363	79.96181	128.2679	13421
45H38Pb	1.209292412	60.65925	1.317953	1.96348202	5.112535	1.524661	123.26087	13072
45H38SbPb	1.695855379	23.98156	1.671618	2.94268203	9.842508316	3.512678	124.94595	16326
45H39Pb	2.854649544	45.14177	2.198498	3.78867626	16.53170013	5.729062	126.57813	16167
45H39SbPb	4.337821484	2.82136	4.606693	8.53775692	45.84474182	10.03463	124.75445	16176
45H3SbPb	5.219651222	118.4971	5.097008	7.52202559	48.37779999	9.127718	127.8343	16009
45H40SbPb	0.974184096	36.67769	1.13308	1.21773016	3.806388855	1.14342	122.70588	11057
45H41SbBaPb	9.777880669	174.9243	11.34412	14.6847525	82.32236481	5.335738	123.58744	11496

45H42SbBaPb	1.949542522	5.642721	2.577967	4.41047859	15.03427505	3.445964	122.57954	12950
45H42SbPb	1.293808579	12.69612	1.53009	4.49074793	11.03660583	5.271543	125.90323	17779
45H43SbPb	1.710827589	157.9962	1.554573	2.62305498	10.30430126	4.451594	128.15625	15131
45H44SbBaPb	1.233382821	8.464081	2.488531	4.92540932	11.71288586	2.244617	117.54878	13354
45H45Pb	3.166098356	63.48061	3.157352	4.90126705	21.70026016	4.786129	126.58334	15915
45H45SbPb	11.3466835	80.40878	6.138841	24.4638672	96.77880096	25.18189	127.76954	18231
45H46SbBaPb	2.69343996	5.642721	3.465251	5.13758135	16.55490875	2.312517	116.77358	13189
45H47SbBaPb	1.233382821	169.2816	1.981699	3.72534442	9.651228905	2.403202	122.05769	14106
45H48Pb	4.403056145	155.1748	4.405576	9.15143776	38.17593765	7.608073	123.31129	6514
45H48SbPb	1.203563929	18.33884	1.288984	2.3104763	6.824448586	2.840147	123.54546	20251
45H48Unclassified	1.682376266	125.5505	1.505209	2.09505463	5.765607834	1.486611	123.03333	4030
45H49SbBaPb	5.863113403	18.33884	6.990178	8.47174931	49.92163849	5.167754	117.47759	13014
45H4SbBaPb	4.908010006	138.2467	5.482487	7.76640368	27.32100296	2.516162	119.39196	12976
45H50Pb	1.552041054	125.5505	1.578676	2.09506965	5.574327469	1.263279	119.75758	5054
45H50SbPb	10.72464657	60.65925	7.409746	14.5006247	107.8058014	21.44758	127.45805	17573
45H51SbBaPb	2.443866253	163.6389	2.869124	3.54598498	9.842508316	1.192377	126.22018	14763
45H52Pb	1.673487067	146.7108	1.802065	2.63429284	7.477521896	1.744518	124.95349	10358
45H52SbPb	2.593172789	162.2282	2.947033	6.16086435	21.34090614	5.313201	124.74783	14554
45H53SbPb	4.157109261	5.642721	3.758001	7.34281445	43.9647522	13.86743	127.98396	16615
45H54Pb	1.556262612	32.44564	1.554573	2.29754114	8.457131386	2.998642	123.125	14769
45H54SbPb	3.189019918	150.9428	2.997848	6.43424416	27.68035698	8.638231	125.61345	13671
45H55Pb	5.237844944	166.4603	4.319014	8.03302002	45.21487427	11.10438	127.93118	15248
45H55SbPb	9.111139297	56.42721	7.348338	11.4155064	103.1414642	19.96131	127.72028	15092
45H56SbPb	6.093400002	39.49905	6.242535	8.13928127	53.66239548	7.487189	126.1841	13219
45H57SbPb	1.071117878	104.3903	1.45417	3.0124402	6.959704876	2.320877	127.82143	18969
45H58SbPb	1.198350072	159.4069	1.13308	2.85047245	6.959704876	3.82262	130.35294	16116
45H59SbPb	2.933269978	64.89129	2.299244	5.12021923	16.0138855	4.915003	126.08572	16073
45H5Pb	2.119210243	160.8176	2.110873	5.16065168	17.97310257	7.34552	127.23729	14488
45H60Pb	2.381099463	70.53401	2.959819	5.70103407	18.2436161	3.849393	123.47414	6906
45H60SbBaPb	1.080820918	162.2282	1.716202	3.31235385	7.61277771	1.993655	116.23077	11578

45H60SbPb	1.747543812	9.874762	1.671618	2.72285008	11.26070404	4.597881	125.21622	16466
45H61SbPb	0.977781415	149.5321	1.099249	1.42004848	3.479852438	1.015383	122.125	14106
45H62SbPb	1.480540991	8.464081	2.503659	4.68452978	16.82542229	4.57596	129.25301	12846
45H63SbBaPb	1.198346376	156.5855	1.259348	1.85477901	5.63035202	2.025257	123.09524	16865
45H63SbPb	3.42526722	167.871	4.029539	7.73959494	41.00271606	10.49096	126.81396	17160
45H64Pb	2.217547655	118.4971	2.198498	3.05162406	10.36032581	2.250066	124.89063	9140
45H64SbPb	8.619149208	135.4253	9.126912	18.2566471	150.7445374	27.63988	126.7815	15060
45H65Pb	2.128025055	70.53401	1.981699	4.39058781	11.61044693	3.477947	127.76923	19133
45H65SbPb	3.951528311	50.78449	2.488531	5.3634901	24.3125515	9.671095	126.57317	13070
45H66Pb	1.223742962	11.28544	1.3463	2.4836967	7.094961166	2.813955	129.75	13289
45H67SbPb	2.447485924	152.3535	2.315609	4.14016342	15.63132286	4.617018	128.23944	15666
45H68Pb	1.2261585	16.92816	1.45417	3.31257677	10.90135002	5.694177	127.14286	13480
45H69SbPb	1.888745189	8.464081	2.592574	4.684515	15.41683578	3.582852	125.4045	16664
45H6SbPb	1.855477571	31.03497	1.863867	4.26031208	11.55442238	3.893741	127.54348	18754
45H70SbBaPb	0.730638087	108.6224	1.028253	1.54030895	3.479852438	1.160438	117.5	15902
45H70SbPb	1.388349056	18.33884	1.759657	3.08063269	9.977765083	3.2577	127.90244	14128
45H71SbBaPb	7.800609589	26.80293	9.988207	11.2188292	66.53257751	4.495668	120.17033	12644
45H72Pb	0.975380719	170.6923	1.028253	1.48143291	3.671133041	1.291518	120.71429	5144
45H72SbPb	4.034496784	19.74952	3.896136	7.78186321	30.39508629	6.166506	126.43781	12262
45H73SbPb	0.981400967	16.92816	1.401273	2.54267311	6.633168221	2.270372	127.03846	14361
45H74SbPb	4.876888752	42.32041	3.797981	6.89709234	37.98465729	10.13471	128.08377	16261
45H75SbPb	0.974184096	126.9612	1.13308	1.21773016	3.806388855	1.14342	128.35294	15706
45H76Pb	3.179857492	155.1748	3.06018	6.42976952	28.05330658	8.514808	128.16129	15474
45H77SbPb	2.46313858	166.4603	3.204834	7.02888346	31.45392609	9.759763	126.13235	17061
45H78Pb	7.910897732	166.4603	8.389654	19.2581959	143.4815063	29.63496	127.87231	10828
45H79Pb	1.657536983	19.74952	2.815988	6.47117567	21.3969326	5.849815	129.84763	14075
45H79SbPb	8.355527878	148.1214	6.595494	10.9457617	84.58490753	16.66448	127.08854	12770
45H7SbPb	7.800964832	155.1748	6.520641	13.9481907	121.982132	35.45786	127.76554	18509
45H80SbPb	5.613539696	157.9962	6.089433	7.32629967	45.00038528	5.533239	126.54786	16611
45H81Pb	2.359582424	31.03497	1.822898	3.71738434	16.04670143	7.851403	127.70454	2901

45H81SbPb	2.922552347	52.19517	2.249435	3.99441338	17.5345192	6.156605	125.70149	15679
45H82Pb	3.908747196	49.37381	3.16929	5.1776123	30.6423912	9.471573	126.63158	18118
45H82SbPb	1.226143599	23.98156	1.427966	2.39865112	7.421497345	2.73683	124.88889	17042
45H83Pb	4.393416405	165.0496	3.74794	6.32235956	35.02262115	8.847341	127.56989	15174
45H83SbPb	1.209322214	145.3001	1.401273	2.9728179	7.99533844	3.298594	126.23077	19412
45H84SbBaPb	1.230974674	2.82136	2.347997	4.87700033	12.88377571	3.050646	117.0137	13905
45H85SbBaPb	3.42406702	4.23204	5.206949	7.5652895	29.55073357	3.263401	116.93594	12740
45H86Pb	0.978992879	31.03497	1.16593	1.42010415	3.61510849	0.974089	125.16666	17093
45H86SbPb	11.38626385	146.7108	8.72069	14.4567022	145.9257202	28.37021	127.96425	18801
45H87Pb	7.736633301	156.5855	7.065401	12.7599516	86.43208313	15.16271	130.22391	14377
45H87SbPb	0.699762821	157.9962	1.028253	2.62305498	5.518302917	2.918176	127.78571	15007
45H88Pb	1.206767321	129.7826	1.288984	1.90215325	4.268181801	1.110942	124.54546	9219
45H88SbPb	10.4991951	148.1214	7.610861	14.9987278	121.2866287	25.73113	126.91917	16519
45H89SbPb	1.228566647	162.2282	1.554573	3.08043218	9.921740532	4.127187	126.09375	17578
45H8Pb	1.966109395	55.01653	2.395758	3.85075212	10.68686199	2.016115	120.86842	20489
45H8SbPb	40.81820297	33.85632	26.65962	51.742157	1075.447388	164.8811	126.93147	18437
45H90Pb	19.92826843	14.1068	11.96617	22.8002377	311.2427063	68.547	128.30591	12804
45H90SbPb	0.974184096	128.3719	1.064343	1.55943632	3.61510849	1.168907	135.13333	17607
45H91Pb	5.476374149	9.874762	7.281229	11.3712835	57.15185547	6.242405	125.57123	16926
45H91SbBaPb	1.444278121	169.2816	1.863867	2.72285771	8.265850067	1.992717	125.08696	13455
45H91SbPb	1.949549913	21.1602	1.53009	3.39220047	13.51364136	7.903356	126.48387	19277
45H92SbPb	2.449893951	165.0496	2.26616	4.78489017	19.70822525	7.663277	130.35294	13118
45H93SbPb	0.746297061	176.335	1.738065	3.9043324	7.962521553	2.126521	125.45	16083
45H94Pb	0.737854958	153.7641	1.028253	1.6337384	3.61510849	1.2524	137.07143	8852
45H94SbBaPb	2.186414242	131.1933	2.181255	2.93260098	9.380716324	1.873958	127.25397	15313
45H94SbPb	21.18850327	111.4437	14.75309	31.84058	543.0267334	137.2704	127.39902	13610
45H95Pb	6.868342876	69.12333	4.103822	9.4071064	43.20923996	11.23251	126.24215	1753
45H95Unclassified	0.977781415	157.9962	1.028253	1.31152749	3.344596386	1.071983	121.42857	1254
45H96SbBaPb	1.709619761	150.9428	1.738065	2.5074656	7.61277771	1.943814	121.975	14267
45H96SbPb	9.627069473	36.67769	9.077128	20.1651764	157.8066711	30.62347	127.80476	15823

45H97SbPb	6.082678795	25.39224	5.672061	8.38708687	61.8586235	12.0509	129.07042	15233
45H98Pb	1.586809993	26.80293	1.45417	2.17832303	5.765607834	1.592798	126.89286	13110
45H98SbPb	5.571534157	16.92816	5.335889	10.1707001	60.33799362	12.95594	125.50133	16990
45H99SbPb	1.965217471	155.1748	2.26616	4.03138256	15.82260418	4.939414	126.27941	11794
45H9Pb	2.197914124	35.26701	1.602417	2.97282147	10.63083744	4.459482	125.55882	17916
45H9SbPb	9.066726685	157.9962	6.070801	10.8092728	78.33430481	16.8699	126.71107	14979
49H100SbPb	7.798288822	160.8176	8.077798	16.4820328	67.82910919	7.144089	124.06713	24758
49H101SbPb	6.348042488	142.4787	7.801958	12.1765137	47.85037231	3.81122	124.67245	20824
49H102SbBaPb	7.080821037	145.3001	7.988485	8.91846085	29.3594532	1.368572	114.4071	19272
49H103SbPb	6.669380188	70.53401	9.575147	15.7114983	45.10282516	2.248108	123.33114	23111
49H104SbPb	2.93095088	33.85632	3.41033	4.39056206	11.44237328	1.140617	122.01948	21804
49H105SbPb	2.526150703	22.57088	3.727735	6.33218908	14.32517719	1.496272	119.36957	24551
49H106SbPb	16.34129906	142.4787	14.49228	23.6251984	202.256424	19.73477	126.19813	22467
49H107Pb	1.302170038	55.01653	1.45417	2.09496379	5.056510448	1.225102	112.28571	24712
49H107SbPb	4.312556744	145.3001	5.378182	8.91846085	30.83367157	3.330275	124.32115	22632
49H108SbPb	4.595058441	56.42721	5.141267	6.14681101	19.84348106	1.509371	123.09143	24424
49H109SbPb	4.048595905	39.49905	4.877434	6.9228301	23.95319939	2.443683	124.26349	21400
49H10SbPb	1.713235736	18.33884	2.90834	5.62228012	11.76891041	1.65914	122.34821	22836
49H110SbPb	13.81054878	21.1602	12.78689	16.4188137	129.2027435	10.34461	121.4448	20423
49H111SbPb	1.233383298	159.4069	2.128687	3.39210367	7.771241188	1.350386	123.2	25608
49H112SbBaPb	9.710892677	29.62428	10.86117	13.2008667	39.66375351	1.351248	113.45711	18407
49H113SbPb	2.070031881	146.7108	2.734347	4.05322456	11.09263039	1.667486	110.89899	21702
49H114SbPb	3.661588907	149.5321	4.048237	5.34678936	20.17001724	2.51525	123.8848	20445
49H115SbPb	2.205144882	157.9962	2.985225	3.93458223	10.24827671	1.19412	123.78814	22717
49H116SbBaPb	2.926134825	7.053401	4.336464	7.37071609	18.26682281	1.797857	112.48996	21657
49H117SbPb	9.254749298	55.01653	8.035616	10.4748201	52.85085678	4.382949	124.57895	21813
49H118SbPb	9.619087219	69.12333	10.36301	19.0417747	102.436348	9.900042	125.38256	26504
49H119SbPb	8.975787163	36.67769	8.823998	16.9026508	76.30944824	7.577507	125.74393	22378
49H11SbPb	7.306380749	42.32041	6.804032	8.9613905	43.43732834	4.129468	123.8075	18809
49H120SbBaPb	9.069443703	26.80293	9.515808	14.2689219	50.92445755	2.901764	112.36447	12495

49H121Pb	6.657057762	160.8176	7.332905	12.091486	42.06155777	3.333643	111.63062	4410
49H121SbBaPb	5.102648735	55.01653	5.141267	8.37985611	29.17778206	3.26336	109.24571	8519
49H122Pb	3.173292875	146.7108	3.454337	4.05321884	12.61326408	1.35091	119.31013	4828
49H122SbPb	16.48752594	43.73109	21.22825	36.3547401	244.6773376	13.46046	123.49824	20813
49H123SbPb	5.309508324	25.39224	6.144989	8.38708973	37.70453262	3.81457	120.736	22660
49H124SbPb	6.594948292	129.7826	7.234403	7.9516201	32.89532852	2.094902	120.87734	22956
49H125SbPb	1.46728158	162.2282	1.625811	2.31032777	5.709583282	1.249595	109.02857	24485
49H126SbPb	4.509284019	162.2282	4.548952	7.70108747	32.05097961	5.029912	123.20073	18737
49H127Pb	2.326352119	15.51748	3.06018	5.31897736	13.64889717	2.015589	112.04839	8464
49H127SbPb	7.029522419	36.67769	7.546086	10.6187124	46.87076187	3.908959	122.05703	24773
49H128SbBaPb	1.707215428	21.1602	1.505209	2.08073974	6.227400303	1.734286	137.06667	23649
49H128SbPb	21.3574276	2.82136	21.90238	31.9617596	243.0350494	12.47544	123.0825	25334
49H129SbPb	5.619567394	165.0496	6.089433	6.79297781	24.0884552	1.585495	121.53972	21175
49H12SbPb	4.161925793	145.3001	5.22866	6.48473978	22.39974785	1.859542	126.78453	22371
49H130SbPb	2.679006338	84.64082	3.635424	7.34268427	16.55490875	2.101087	120.31429	20904
49H131SbPb	4.546316147	60.65925	5.503111	9.48577118	40.06952286	5.371708	125.56858	23571
49H132SbPb	3.905566216	23.98156	4.515626	5.34133196	14.78697014	1.086483	118.31111	21765
49H133SbPb	4.073643208	33.85632	4.892893	6.48473072	18.18759155	1.399973	123.38486	21340
49H134SbPb	12.23062515	45.14177	9.957916	17.5656796	95.77998352	9.373746	126	23114
49H135Pb	3.178123951	9.874762	4.465171	7.16703749	16.96067619	1.461877	117.10227	25924
49H136SbBaPb	6.146445274	5.642721	12.62343	24.6944733	57.84173584	2.127299	116.45687	20995
49H137SbPb	4.159517765	141.068	4.507256	5.89525843	16.09311676	1.291685	119.6171	21626
49H138SbPb	1.253866673	1.41068	3.08476	9.01445866	18.56054115	3.668083	119.26984	28722
49H139SbBaPb	6.836085796	56.42721	7.368864	8.24064159	26.7799778	1.338197	114.82059	20173
49H13Pb	2.245100737	50.78449	2.607098	3.80410862	9.515972137	1.349871	113.02222	16245
49H13SbPb	54.24849701	149.5321	51.49926	113.986923	1456.175171	81.00761	121.04359	22003
49H140SbPb	2.197912216	22.57088	3.274766	5.56403971	12.09544659	1.382241	120.21831	19683
49H141SbPb	13.78135395	33.85632	14.51311	17.6979656	93.34536743	4.191461	122.24668	22600
49H142Pb	5.311843872	9.874762	6.462472	9.64994621	32.29828262	2.530825	122.0452	21522
49H143SbPb	10.52981281	47.96313	13.0297	25.1628952	142.8052063	12.17083	125.86877	20869

49H144SbBaPb	6.832340717	165.0496	8.262668	10.1032133	30.28303719	1.361002	120.38053	19041
49H145SbPb	3.438191652	139.6573	3.934713	6.0495038	19.38168907	2.45843	124.90244	23176
49H146SbPb	9.497091293	97.33694	10.36301	15.7081385	102.6140366	9.934417	126.29325	23294
49H147SbPb	7.715777874	170.6923	8.021505	12.3320894	57.72570038	5.247195	125.47183	23185
49H148Pb	1.707208037	40.90973	1.943216	2.58890295	6.441887856	1.113486	118.18	9456
49H148SbPb	20.98147392	169.2816	23.16424	37.4473877	308.0798035	17.92218	124.0442	24561
49H149SbPb	20.93422127	170.6923	14.39292	31.8703842	196.5564575	18.89632	126.4269	21385
49H14SbPb	15.3102951	114.2651	16.61194	25.3965855	186.7043457	12.79878	126.5613	20956
49H150Pb	6.315993786	16.92816	8.930342	15.5599575	60.41722107	4.637522	123.66761	8699
49H150SbPb	12.08172035	163.6389	16.7658	26.0589561	173.3587646	10.83287	124.20554	18594
49H151SbPb	3.905120134	18.33884	3.454337	4.62095451	21.47616386	3.916379	123.48101	21621
49H152SbPb	6.332196712	87.46217	7.704552	18.2911701	70.74472809	8.542679	127.50255	19609
49H153SbPb	3.753349781	21.1602	5.264646	7.86872053	30.14778137	3.322562	124.36512	25438
49H154SbPb	9.011202812	53.60585	7.883808	13.3945704	71.64511108	8.367616	124.49453	24765
49H155SbPb	13.8088398	145.3001	12.93954	20.4708576	132.1183472	10.56304	123.1926	23226
49H156SbBaPb	4.403056145	16.92816	5.503111	6.85813046	19.51694298	1.274406	113.98254	19745
49H157SbBaPb	5.613541603	42.32041	6.314705	7.585186	21.28488159	1.151163	115.76326	20746
49H158SbPb	14.70950985	126.9612	10.82286	18.9480114	134.2360382	15.58672	127.04385	24403
49H159SbPb	5.473497868	142.4787	5.250281	8.33040714	38.96426773	5.580442	122.87397	24428
49H15Pb	9.291275978	64.89129	10.65053	15.5811853	59.24633026	3.135317	119.04594	4750
49H15SbPb	3.184129477	153.7641	4.212792	5.44574499	18.26682281	1.904963	122.13617	31082
49H160Pb	5.535811424	73.35538	8.040314	16.0259418	62.60053635	6.142014	134.92874	13575
49H160SbPb	23.41659927	104.3903	13.8501	28.5879097	207.6490936	22.77481	125.52126	17593
49H161SbPb	6.110992432	35.26701	6.058348	8.04068661	40.42887497	4.512066	123.50206	23195
49H162Pb	14.83995819	141.068	17.18401	24.9510078	162.2893372	9.037153	123.44859	13255
49H162SbPb	14.46084213	80.40878	16.62784	20.5404396	141.2981873	7.316474	122.54166	18568
49H163SbBaPb	6.984013557	9.874762	13.97765	33.8321304	79.85892487	3.307341	114.1407	21150
49H164SbPb	5.173925877	40.90973	6.897733	10.3555984	26.70074654	1.51822	121.09682	18961
49H165SbPb	4.166897774	156.5855	5.731664	9.59415817	24.89999008	1.912219	119.34253	22897
49H166SbBaPb	6.77157259	49.37381	8.212243	11.5703402	33.22186661	1.658154	113.14222	21838

49H167SbPb	3.174496889	29.62428	3.95386	5.34677458	13.8633852	1.245652	120.55073	19290
49H168SbBaPb	2.206347942	162.2282	2.997848	3.85054374	10.19225216	1.171175	118.26891	15337
49H169Pb	1.226151109	143.8894	1.45417	2.09495807	4.72997427	1.071983	124.28571	10529
49H16SbPb	8.447363853	135.4253	6.468312	21.1829071	71.76676178	12.47284	130.23105	26283
49H170Pb	1.968833447	4.23204	2.985225	6.1079936	14.51645851	2.395895	112.98305	17473
49H171SbPb	6.575742722	138.2467	5.177859	7.76640368	36.99543762	5.172451	122.73803	24772
49H172SbPb	2.829119205	157.9962	4.379786	7.86916447	19.11117554	1.929166	124.75591	24907
49H173SbPb	3.179320574	153.7641	3.797981	4.90118551	13.8633852	1.35	122.41885	25406
49H174SbPb	7.31285429	8.464081	6.308722	10.5735006	54.29225922	7.504014	123.19544	21210
49H175SbPb	2.686208248	167.871	3.251622	4.72876787	17.34323692	2.882443	125.31429	22559
49H176Pb	1.097503066	29.62428	1.099249	2.50733185	5.844839096	2.864532	138.5	16595
49H176SbPb	21.26779366	28.21361	21.52852	29.7408581	229.9367828	11.55817	126.58416	15853
49H177SbPb	4.142645836	12.69612	4.49887	6.97371244	28.24458885	3.993596	123.45149	23540
49H178SbPb	4.775502682	131.1933	3.991879	5.86518717	26.58869743	4.495108	124.63981	23940
49H179SbPb	3.668813229	22.57088	4.49887	5.56403971	17.74900627	1.577036	124.86567	22034
49H17SbPb	4.820513725	22.57088	6.43319	9.49829102	28.46868515	1.984187	123.11131	24251
49H180SbPb	5.671854496	21.1602	5.550936	8.0958395	23.49140739	1.814623	121.03432	17793
49H181SbBaPb	10.72191143	4.23204	11.32413	12.4588718	57.6464653	2.625646	112.38162	20560
49H182Pb	5.072859764	114.2651	5.133917	6.65170193	28.37984467	3.096157	122.78796	19474
49H183SbPb	2.205143929	162.2282	2.972549	4.85257339	14.70773888	2.480472	122.47863	23658
49H184SbPb	3.777966022	124.1399	4.001327	6.8231535	31.20662308	6.162914	124.75471	22397
49H185SbBaPb	2.69705224	157.9962	3.758001	5.24610996	15.65453053	1.758194	120.26738	21709
49H186SbPb	6.344171047	170.6923	8.14298	20.940937	84.27197266	10.85176	122.49658	23641
49H187SbPb	7.066361427	32.44564	7.265654	10.0680733	52.54753113	5.299756	122.505	23512
49H188SbPb	4.399451256	143.8894	4.822936	5.74782896	18.26682281	1.453462	124.28896	23610
49H189SbBaPb	8.789240837	38.08837	9.24203	9.88988018	37.14030457	1.636277	113.18922	19843
49H18SbPb	25.21471786	145.3001	22.63826	38.3693657	274.6242371	14.9105	125.07014	26558
49H190SbPb	13.41173935	40.90973	13.29364	19.521059	113.1888504	7.345474	124.22607	19189
49H191SbBaPb	19.79746437	59.24857	20.31381	20.9675999	109.7978363	2.960093	114.52105	20767
49H192SbPb	2.197919607	26.80293	3.096977	4.35664082	13.80736065	2.013938	121.94489	25195

49H193SbPb	9.956458092	138.2467	10.40664	15.5328074	82.16389465	6.315988	120.46304	24372
49H194SbPb	11.61197567	19.74952	11.63985	13.2538748	55.86891937	2.334245	124.10814	22848
49H195SbPb	19.84216309	67.71265	20.20945	25.010643	215.3643036	11.50639	121.27885	26637
49H196SbPb	2.689820528	31.03497	3.561974	4.80324078	15.24876213	1.856899	123.48214	24285
49H197SbPb	5.712272167	128.3719	8.105797	21.6809177	93.15409088	13.38175	123.70345	22693
49H198SbPb	2.569110394	19.74952	4.221746	7.78187799	19.62899399	2.190345	120.36017	21671
49H199SbPb	2.69343257	153.7641	3.497789	4.90120029	12.36595917	1.266394	122.79012	21068
49H19SbBaPb	14.13875008	43.73109	14.76077	15.6713552	64.03232574	1.906695	116.20139	19751
49H1SbBaPb	5.119223118	39.49905	5.638676	6.5799942	19.43771172	1.204028	115.09739	16239
49H200Pb	3.796264648	33.85632	3.432404	5.26868391	21.45295525	3.958021	121.65385	24640
49H201Pb	40.50546265	1.41068	30.2181	51.6460876	636.5073242	44.95448	125.00529	18108
49H201SbPb	2.480634689	112.8544	3.133342	4.47738791	12.26352024	1.552085	130.91539	24991
49H202SbPb	12.83611202	146.7108	12.95413	15.3348074	92.02960968	5.11375	126.19577	23726
49H203SbPb	1.713235736	157.9962	2.146352	3.16591239	7.962521553	1.39444	117.96722	21780
49H204SbPb	9.746538162	145.3001	9.290931	12.9694872	82.89620209	8.065875	127.31846	20419
49H205Pb	2.209967613	149.5321	2.855933	4.26015663	14.51645851	2.617737	126.12037	18983
49H206SbPb	7.085647583	142.4787	7.358608	10.4241982	44.06719208	3.633624	122.62482	23239
49H207SbPb	7.395079613	110.0331	5.945098	8.78070831	43.85270309	5.512839	124.31624	24692
49H208SbPb	5.768888474	122.7292	5.434061	8.44339466	41.67899704	5.960548	122.51918	23656
49H209SbPb	12.47030258	165.0496	12.44569	25.2266121	144.2506104	13.61125	124.61872	21724
49H20Pb	2.449893951	145.3001	3.022935	3.85080028	10.6540451	1.258555	120.47108	25121
49H20SbPb	5.119226933	40.90973	6.00199	7.07960033	26.74715996	2.012173	121.04822	25181
49H210Pb	6.538045406	36.67769	6.089433	9.0601902	30.80085564	2.592224	121.17108	15299
49H210SbPb	4.218386173	153.7641	4.807251	7.07948351	18.84066391	1.556322	119.35947	24253
49H211SbPb	5.96222496	38.08837	6.930501	10.7654066	40.91387558	3.53112	120.23742	23069
49H212Pb	15.10216522	60.65925	10.60433	17.339695	125.9045563	14.28291	123.4728	17617
49H212SbPb	1.222535133	149.5321	1.3463	1.96338177	5.056510448	1.429285	138.33333	25403
49H213SbPb	1.462465286	16.92816	2.163874	4.08246565	9.133411407	1.805106	111.54839	21816
49H214SbPb	4.663474083	148.1214	5.192425	8.64816761	26.93844223	2.727126	124.78151	26093
49H215Pb	4.870920658	125.5505	5.185147	7.1628418	21.80270004	1.791426	115.33708	14918

49H216SbPb	4.314062595	169.2816	4.822936	6.44819832	19.39129829	1.637915	120.46104	19475
49H217SbPb	8.19200325	134.0146	6.781796	10.1620264	50.00087357	5.507649	124.15107	23580
49H218SbPb	6.100631714	43.73109	5.771058	7.06281996	29.4715004	2.642374	123.38776	24466
49H219SbPb	4.148666382	162.2282	4.977062	8.70312881	28.3006115	3.276018	123.60061	24598
49H21SbPb	23.65065765	105.801	16.44057	39.4091644	262.1790466	25.76693	124.95865	24691
49H220SbPb	4.146257877	7.053401	4.923666	6.37399292	17.6697731	1.304924	121.7352	19235
49H221SbPb	10.35568619	21.1602	10.67531	19.4959755	116.1740952	11.99935	122.85089	21571
49H222Pb	7.900886536	77.58742	9.404041	18.4387379	96.48907471	10.66664	125.08625	25152
49H223SbBaPb	7.809051037	35.26701	8.119761	10.814661	41.29643631	2.620833	123.4307	24051
49H224SbPb	3.023511887	165.0496	5.447941	10.3385172	28.10933113	2.697347	124.50381	21409
49H225SbPb	6.575742722	64.89129	6.79848	7.29785585	24.22371101	1.286348	120.57189	21081
49H226SbPb	12.18437672	32.44564	13.5078	15.3355322	82.18710327	3.750929	125.30588	20675
49H227Pb	7.371102333	160.8176	8.832553	13.6316805	59.04544449	4.527942	122.606	16742
49H228SbPb	2.968157768	111.4437	2.775468	3.93453026	11.28391075	1.67474	113.24509	19596
49H229SbPb	1.035813808	50.78449	1.13308	1.90205669	4.459461689	1.569439	108.23529	28850
49H22SbPb	5.380934238	157.9962	6.892256	10.7180166	32.21905136	2.214131	120.68521	23992
49H230SbBaPb	1.238213897	163.6389	2.379944	4.31564331	9.674435616	1.674243	121.28	18622
49H231SbPb	8.679415703	160.8176	10.7704	18.1022453	84.20235443	6.19278	125.96549	21248
49H232SbPb	8.74816227	105.801	9.923729	22.2138081	115.4649963	13.71676	125.14571	25589
49H233SbPb	5.337350368	55.01653	7.134541	11.3527136	45.69987488	4.157177	123.7092	22045
49H234SbPb	5.611131668	146.7108	5.544129	7.56560898	37.35479355	4.59967	125.03686	23667
49H235SbBaPb	13.5030098	32.44564	15.80589	20.2668114	73.5483017	2.193857	114.30109	19091
49H236SbPb	9.312017441	150.9428	8.51031	13.2942619	62.00747681	5.378955	120.48488	19691
49H237SbPb	4.84927702	47.96313	4.923666	8.10989952	31.07136536	4.035005	123.82243	22321
49H238SbBaPb	6.34778595	29.62428	6.753899	7.85410452	25.06806374	1.395832	112.66557	20271
49H239Pb	2.938182592	32.44564	3.80791	4.93127203	19.82027245	2.745026	122.5	23301
49H23SbBaPb	8.997980118	128.3719	11.69164	17.0026093	51.90406799	1.996883	114.3337	19258
49H240Pb	5.368793964	167.871	5.757956	7.21219683	27.3770256	2.290532	121.96355	8903
49H241SbPb	13.85631752	57.83789	13.98036	22.4340134	161.3425446	13.49466	127.22527	25035
49H242SbBaPb	5.74050045	28.21361	7.29677	13.179781	41.27322769	3.241725	108.57021	17157

49H243SbPb	1.229766965	11.28544	2.056507	3.72553778	10.24827671	2.516182	126.10714	21013
49H244SbBaPb	4.886528492	22.57088	6.126526	7.41871452	21.47616386	1.245046	112.87727	19233
49H245SbPb	4.165541649	141.068	4.695994	6.58024693	16.90465355	1.31298	118.46233	14945
49H246SbPb	1.230974674	162.2282	2.056507	3.08043218	7.309448242	1.279999	123.73214	21234
49H247SbBaPb	1.232178807	15.51748	2.442585	4.54980946	9.809691429	1.634226	114.70886	20725
49H248SbPb	5.61836338	146.7108	6.101822	7.02476597	25.147295	1.720933	121.04665	23591
49H249SbPb	3.896736383	95.92625	3.837544	6.6160264	22.05000496	3.345116	124.34872	19955
49H24SbPb	3.169673204	32.44564	3.982408	4.93127203	14.38120174	1.321294	122.40476	20639
49H250Pb	1.310739636	39.49905	1.374061	1.90213096	4.594717503	1.132938	112.48	6323
49H250SbPb	4.704713821	159.4069	5.61855	10.1763115	34.11263657	3.734932	123.42105	23590
49H251SbPb	2.691024542	12.69612	3.354511	4.25315142	11.2278862	1.135111	121.59061	19914
49H252SbPb	15.11878395	36.67769	17.20816	24.7451172	174.3615875	10.40239	122.78194	22191
49H253SbPb	7.720590115	131.1933	7.440259	11.2263212	58.58364868	6.281701	126.95771	23471
49H254SbBaPb	2.928542852	149.5321	2.985225	3.38342738	10.1130209	1.162808	111.19492	18952
49H25SbPb	1.692930222	9.874762	2.548504	4.20424604	10.84532547	1.834911	116.67442	16406
49H26SbPb	12.09435558	67.71265	10.99936	22.0699501	133.065155	14.82841	126.87703	21189
49H27SbPb	5.614749432	8.464081	5.250281	8.12872028	34.85454941	4.465339	122.73151	22801
49H28Pb	1.461276174	77.58742	1.981699	3.24914098	7.286241055	1.369721	115.84615	11339
49H28SbPb	10.34557056	67.71265	14.23729	28.9451122	149.8577423	11.22546	122.58868	18089
49H29Pb	6.389727592	177.7457	6.101822	15.36026	65.0487442	11.51488	124.18864	23472
49H2SbPb	11.07741737	15.51748	12.12916	17.964592	121.1417618	10.10712	124.83316	20767
49H30Pb	2.305845976	169.2816	3.486977	7.6899724	17.80502892	2.641727	116.19876	19894
49H31SbBaPb	1.965217471	14.1068	3.16929	4.78462601	11.38634968	1.307814	113.7218	19909
49H32SbPb	6.649806976	148.1214	8.235202	11.152606	43.85270309	2.873061	121.11693	23553
49H33SbPb	8.878920555	107.2117	9.743247	17.6375771	89.12360382	8.477712	123.21002	23596
49H34SbPb	4.158313274	156.5855	4.396996	6.10809374	25.25934601	3.343741	125.16797	22861
49H35Pb	1.217730165	110.0331	1.45417	2.08076954	4.921254158	1.160438	111.21429	4221
49H35SbBaPb	2.856641531	25.39224	3.286277	4.57578897	13.05184841	1.59822	131.99301	22631
49H35SbPb	25.19675636	4.23204	20.83142	34.4440536	264.7217102	16.36221	123.77724	23050
49H36SbPb	5.113424778	7.053401	6.963116	10.5427599	43.08758163	3.879695	125.96262	22564

49H37Pb	3.170453787	59.24857	3.432404	5.3465519	14.95504379	1.923442	111.53205	14608
49H37SbPb	4.053828239	57.83789	4.167734	5.4730072	15.82260418	1.460348	118.57391	23700
49H38Pb	4.659854412	152.3535	5.957788	8.82482719	29.90047646	2.552036	124.59362	18885
49H38SbPb	1.243024945	4.23204	2.761829	5.86511278	12.82775211	2.185788	120.24753	22060
49H39SbPb	4.634546757	12.69612	5.097008	7.50242138	30.58636665	3.648596	122.89825	22701
49H3SbPb	3.424063206	145.3001	3.656139	4.72878265	18.32284737	2.544726	124.62712	26189
49H40SbPb	2.944208622	156.5855	3.666453	5.56433678	15.95785904	1.919366	121.95506	23015
49H41SbPb	6.465504646	40.90973	7.29677	11.9138508	47.52383423	4.297959	120.21277	20923
49H42SbBaPb	4.158306122	172.103	5.509969	6.8884697	24.11166191	1.940245	113.86069	19594
49H43SbPb	16.54644394	173.5137	13.58585	27.4326935	172.873764	16.40535	126.89689	26269
49H44SbBaPb	2.694644213	14.1068	4.029539	6.02498436	15.3840189	1.476827	113.84651	20111
49H45SbPb	4.35519886	22.57088	5.014853	6.87546301	29.03291702	3.395983	124.20721	20868
49H46SbBaPb	7.6788311	132.6039	8.312787	11.3705177	43.987957	2.837102	121.11475	18630
49H47SbPb	7.957922935	38.08837	6.809579	10.915638	47.69190979	4.969921	121.77036	22803
49H48SbPb	32.4663353	77.58742	31.95985	69.3688889	682.8370361	46.25145	126.90018	24776
49H49SbPb	7.870844364	32.44564	7.811632	13.9159079	51.27420044	4.365308	119.94183	22666
49H4Pb	2.165822744	117.0865	2.650193	3.81193972	9.054180145	1.182616	119.39785	7899
49H4SbPb	1.951965451	15.51748	2.411468	3.54598451	8.998155594	1.410732	115.01299	22933
49H50SbPb	9.830881119	102.9797	9.984425	18.4918613	124.8225098	15.83581	124.74318	27732
49H51SbPb	5.549149513	126.9612	5.868384	10.9595566	47.69190979	6.691955	123.08553	21107
49H52SbBaPb	7.549926758	49.37381	8.685981	10.3552246	32.01816177	1.376752	114.87788	19263
49H53SbPb	5.013801575	63.48061	6.052112	10.1292048	35.72211075	3.529888	123.44536	23918
49H54SbBaPb	5.539852619	156.5855	6.572553	8.50664425	24.60627174	1.420117	113.67832	20575
49H55SbPb	3.418028116	170.6923	4.448225	5.9257021	15.9810667	1.307792	120.13741	23225
49H56SbPb	2.435460329	126.9612	2.90834	3.99422765	10.38353348	1.291519	118	22476
49H57SbPb	1.229755759	19.74952	2.181255	3.62056208	8.23303318	1.44347	116.26984	26778
49H58SbBaPb	1.721678972	22.57088	2.90834	4.47751522	10.73327637	1.379987	113.78571	20134
49H59SbPb	15.37198257	139.6573	13.93436	19.1783714	161.4217834	13.59724	125.15441	24870
49H5SbPb	5.374821186	126.9612	5.314616	6.42968798	29.9332943	3.214148	123.68182	25357
49H60SbPb	10.73518562	148.1214	9.290931	12.5724983	63.92028427	4.795784	122.16711	19467

49H61SbPb	3.584295511	145.3001	4.319014	6.48474741	22.70307541	2.799632	123.72469	21899
49H62SbPb	11.20311737	74.76605	9.323388	18.6690044	96.05049133	10.75356	127.00521	25866
49H63SbPb	12.03062248	143.8894	13.28796	24.7459793	128.7081299	9.505958	122.30154	22331
49H64SbBaPb	5.126447678	53.60585	5.314616	6.08843899	19.11117554	1.310182	114.21658	20532
49H65SbBaPb	3.425271034	153.7641	3.95386	4.90118885	19.46092033	2.454623	124.12077	21896
49H66Pb	1.826119542	57.83789	2.411468	4.05321074	8.727643013	1.327186	117.90909	5556
49H66SbPb	13.9524641	70.53401	16.01003	29.8829212	222.4688721	19.56388	126.54154	23697
49H67SbPb	5.097791672	66.30197	7.187273	14.2938652	39.76619339	3.101704	121.50877	22746
49H68SbPb	4.632137775	21.1602	4.345163	7.32655239	31.45392609	5.309311	122.832	24128
49H69SbPb	4.646602154	141.068	4.984643	6.2377491	29.57394028	3.566571	125.30396	22803
49H6Pb	24.42777061	155.1748	22.48092	43.052021	332.6724854	22.18739	123.59489	13666
49H6SbPb	4.397032261	132.6039	3.817814	5.3411355	24.5734539	4.197624	122.82384	27439
49H70Pb	18.14413452	81.81946	14.89067	21.4234219	153.5945282	10.78013	124.52895	18010
49H71SbPb	7.830508709	16.92816	7.363738	13.2502775	58.61646652	6.420121	123.04596	24214
49H72SbPb	8.140548706	100.1583	11.42373	18.1015167	86.91707611	5.865363	123.07176	19787
49H73SbPb	1.22977066	169.2816	2.198498	3.72534442	8.289058685	1.440319	122.6875	21753
49H74SbPb	4.800167561	135.4253	4.838569	7.23275518	27.05048943	3.166773	123.16774	23396
49H75SbBaPb	4.157102108	129.7826	4.598489	5.36346817	16.22837257	1.261886	113.08215	18621
49H76SbPb	15.34339905	93.1049	14.1575	23.6552391	170.0838013	14.62357	126.50264	22362
49H77Pb	3.41924715	11.28544	4.490469	5.97039318	14.84299469	1.107032	123.07865	17753
49H77SbPb	9.507793427	31.03497	11.17983	22.9303513	116.0060196	10.90916	124.60544	23756
49H78SbBaPb	10.78120041	119.9078	11.36075	12.3247976	50.76599503	2.023169	114.68285	19480
49H79Pb	8.76765728	46.55245	8.110455	12.0598192	60.40761185	5.620741	125.75775	13158
49H7Pb	4.065666199	118.4971	5.044882	8.28033447	23.32333374	2.165607	119.92878	11107
49H7SbPb	1.217730165	97.33694	2.110873	3.92703843	8.480338097	1.63532	117.27119	17467
49H80SbBaPb	6.046062946	5.642721	9.766474	19.0721664	47.0292244	2.34942	112.06493	19356
49H81SbBaPb	19.9707737	134.0146	21.23714	26.0092087	109.8346405	2.710112	115.63496	17352
49H82SbPb	8.636935234	25.39224	9.102055	10.7849903	48.7507515	2.906594	125.44759	22343
49H83SbBaPb	6.351403713	22.57088	7.187273	8.18687153	25.74434471	1.299978	114.37135	19206
49H84SbPb	9.268037796	56.42721	12.50924	19.8590641	92.1416626	5.497317	126.09218	19951

49H85SbPb	3.673629522	153.7641	4.540644	5.99033451	18.51412773	1.684505	127.77656	24799
49H86SbBaPb	6.179207325	29.62428	7.286413	9.81763172	27.73638153	1.468158	112	20194
49H87SbPb	8.227824211	49.37381	8.434543	12.257185	56.2514801	4.506563	121.28556	23202
49H88SbPb	9.141086578	131.1933	9.290931	15.5335808	87.16438293	8.917853	123.35783	25790
49H89Pb	2.932154894	19.74952	3.915472	5.1604805	17.47849274	2.019019	117.52709	17501
49H8SbBaPb	4.151079655	39.49905	4.877434	6.5799942	17.99631119	1.379383	116.43492	21698
49H90SbPb	3.419243336	19.74952	4.79939	7.01190758	17.15195847	1.294065	117.04918	26511
49H91SbPb	5.443585873	138.2467	5.61855	8.45415688	27.26497841	2.385956	120.76555	22295
49H92SbPb	6.189553261	62.06993	5.61855	8.49571514	41.6229744	5.560557	126.39952	21781
49H93SbBaPb	4.15469408	23.98156	5.052362	6.10788584	18.18759155	1.312992	114.18343	20019
49H94SbPb	6.099423885	5.642721	6.326653	11.2446127	44.83231354	5.087856	121.81698	22749
49H95Pb	4.980496883	47.96313	5.951447	8.45386314	23.70589447	1.607564	117.00213	16513
49H96SbPb	0.988634825	7.053401	2.038062	3.9270606	8.289058685	1.676008	112.61818	16655
49H97SbPb	3.78876543	16.92816	4.999771	7.62802505	23.05282021	2.154014	119.10876	23509
49H98SbPb	7.827171326	71.94469	9.00613	13.7870941	70.25972748	6.166476	123.71508	26662
49H99SbPb	5.858304501	8.464081	7.738783	10.5735006	39.58452225	2.650978	127.00757	16074
49H9SbBaPb	5.377225399	35.26701	6.456626	7.50236654	22.99679756	1.285358	113.97282	20143
51H10SbBaPb	1.234267235	22.57088	1.780987	3.16609836	6.824448586	1.487696	125.88095	143155
51H10SbPb	1.890001297	36.67769	2.249435	3.31237102	7.883289814	1.244425	123.56716	108330
51H11SbPb	7.576345444	162.2282	7.160955	10.7071953	57.27750397	6.482265	132.00883	110587
51H12SbPb	2.449893951	159.4069	3.497789	4.70334864	15.13671398	1.897477	130.24692	84108
51H13SbPb	5.993441105	43.73109	4.704028	8.78452492	41.7582283	7.984448	133.72356	124821
51H14SbPb	3.690508604	165.0496	5.119185	10.5738125	41.31964493	6.601036	130.89337	128804
51H15SbPb	12.20005226	49.37381	7.979026	14.1591454	102.9541702	16.86898	130.97272	139228
51H16SbBaPb	1.478132963	165.0496	2.181255	3.78085732	10.7100687	2.442713	130.2381	134054
51H16SbPb	2.933366537	7.053401	3.540708	6.13229036	22.32051659	4.02651	128.13252	133966
51H17SbPb	1.206745028	40.90973	1.3463	2.58889914	6.036119938	2.036727	130.70833	150585
51H18SbBaPb	5.334964752	29.62428	6.589767	10.5731516	29.60675812	2.045231	119.78435	107127
51H19SbBaPb	13.91944885	118.4971	10.74231	17.9794769	130.0278625	14.84492	132.43521	135959
51H19SbPb	1.217730165	73.35538	1.602417	2.54269552	6.036119938	1.43769	115.82353	111304

51H1SbPb	11.71897316	156.5855	10.47175	17.5570469	105.4080048	10.26618	132.2011	120143
51H20SbBaPb	1.715643764	8.464081	3.072495	6.16572475	13.8633852	2.062799	121.392	118875
51H21SbPb	3.180524588	9.874762	3.216595	5.44570017	21.20565033	4.403632	131.16788	132680
51H22SbPb	5.366396427	35.26701	4.791515	8.91846848	36.18390274	5.778108	129.33882	118028
51H23SbPb	1.133663654	56.42721	1.505209	2.63434839	5.844839096	1.52775	133.16667	135934
51H24SbPb	4.405471802	143.8894	3.551357	6.62516832	30.99213409	7.716403	130.88623	128431
51H25SbBaPb	4.870920658	69.12333	5.678714	7.01193762	19.57296753	1.203688	119.2904	102044
51H26SbPb	1.957985759	21.1602	2.038062	3.93435931	13.59287357	4.507008	132.83636	135464
51H27SbBaPb	1.959189773	25.39224	2.829365	4.03132296	9.730460167	1.198365	119.03773	103009
51H28SbPb	1.233381867	163.6389	1.884018	3.54599977	12.23070335	4.270054	132.65958	120518
51H29SbPb	3.179327965	9.874762	3.297747	5.92557764	25.36178207	5.992741	131.61806	125064
51H2SbPb	3.192579985	157.9962	3.915472	6.55763721	25.41780853	4.26981	131.73399	125631
51H30SbSnPb	5.373615265	163.6389	5.399204	12.479578	46.79153442	7.609842	129.15804	123396
51H31SbBaPb	0.97778511	172.103	1.064343	1.72211003	3.99766922	1.429391	116.2	97414
51H31SbPb	2.47998786	163.6389	3.905816	6.85829401	17.47849274	2.029014	127.45049	124735
51H32SbBaPb	5.976465225	107.2117	5.744825	7.39513874	37.84940338	4.398099	132.53548	119394
51H33SbPb	2.943006277	172.103	4.248494	7.37093878	25.99164963	3.792261	128.49791	99809
51H34SbBaPb	9.49829483	74.76605	7.660315	17.1310883	79.40673828	10.88735	130.9807	135151
51H34SbPb	1.223742962	156.5855	1.45417	1.85477901	4.594717503	1.011552	141.10715	125067
51H35SbPb	6.309710026	170.6923	4.507256	9.88931561	53.50393295	14.27735	133.09294	103599
51H36SbPb	3.902714729	5.642721	6.077018	11.7532959	43.35809326	5.157745	131.44376	121415
51H37SbPb	3.179316998	8.464081	2.802546	5.40720034	23.54743004	7.1529	131.60577	126910
51H38SbPb	3.409644365	108.6224	3.354511	6.93140697	29.49470901	7.833041	130.02684	130524
51H39SbPb	1.027652979	60.65925	1.317953	2.50742841	5.383046627	1.690273	133.82608	72457
51H3SbPb	5.36758852	5.642721	5.307506	7.10045004	33.6836586	4.08092	135.78552	128886
51H40SbPb	1.9664253	156.5855	2.457996	4.25331497	11.82493496	2.344963	129.425	109812
51H41SbPb	3.174496889	19.74952	3.915472	5.70122766	20.90232277	2.887496	130.12315	134079
51H42SbPb	5.523257732	141.068	4.06685	7.79718876	40.10233688	9.851983	130.6073	132270
51H43SbBaPb	2.24004674	121.3185	2.249435	2.84015632	7.477521896	1.119616	138.08955	146076
51H43SbPb	14.239995	12.69612	7.610861	17.1966763	99.10136414	17.17878	131.16818	135669

51H44SbBaPb	2.454710245	170.6923	3.837544	5.92571688	13.67210484	1.28607	121.07692	102280
51H45SbPb	9.306789398	64.89129	7.902943	11.770319	88.52655792	12.71364	134.06651	133832
51H4SbPb	1.222546339	22.57088	1.427966	1.85468233	4.72997427	1.111686	127.07407	116317
51H5SbPb	8.627258301	36.67769	5.771058	11.1548357	64.89028168	12.81	131.65759	137616
51H6SbPb	1.235790968	162.2282	1.943216	3.85053635	9.921740532	2.6414	136.66	124181
51H7SbPb	5.861191273	148.1214	4.822936	7.97729921	40.75540924	7.235162	133.84416	132694
51H8SbPb	4.386177063	42.32041	3.982408	6.55304241	29.57394028	5.587628	131.79048	130947
51H9SbPb	1.469694257	148.1214	1.802065	2.29760289	8.615594864	2.315957	133.39536	131230
10F1SbPb	2.447485924	162.2282	2.959819	4.62064075	16.88144493	3.296019	131.96552	95144
55H10SbPb	7.499386311	7.053401	8.376141	22.5656376	103.0101929	15.32403	130.6028	126125
55H11SbPb	3.671228886	149.5321	4.362509	5.68020868	18.45810318	1.813853	126.03571	116810
55H12SbBaPb	2.441458225	16.92816	2.621542	3.31256199	13.64889717	2.746516	130.24176	121844
55H13SbPb	5.770572186	16.92816	6.356426	12.9463577	49.77677536	6.213383	125.52523	144605
55H14SbBaPb	4.134804726	132.6039	4.582036	8.27340031	30.72162437	4.554828	125.79137	122225
55H14SbPb	17.12228203	132.6039	14.35878	23.4436913	169.720459	14.15579	130.87839	139102
55H15SbPb	18.03170586	174.9243	17.69714	25.4233856	167.0753326	9.030651	127.15409	135254
55H16SbPb	2.190613508	12.69612	3.421385	7.50241852	17.47849274	2.644263	126.70322	109652
55H17SbBaPb	0.987428665	159.4069	1.625811	2.85047245	5.980095387	1.370808	122.68571	92137
55H17SbPb	2.360838652	156.5855	3.08476	6.10809374	15.57529926	2.583037	125.92063	137733
55H18Cu	2.458329916	159.4069	3.645797	5.7009449	18.21079826	2.52798	125.85227	16385
55H18SbBaPb	5.404883862	159.4069	5.482487	13.7963972	39.60773087	5.288168	128.17085	107504
55H19SbBaPb	6.575742722	46.55245	6.584034	9.30542278	40.64336395	3.860964	124.98258	104910
55H19SbPb	7.163269043	14.1068	9.371863	18.5473728	70.35256195	5.709637	130.3448	133834
55H1SbPb	6.040651798	149.5321	6.260655	8.52031326	40.10233688	4.157196	130.28709	133839
55H20SbPb	1.960401297	12.69612	3.121267	5.25705051	12.23070335	1.555756	126.86047	130255
55H21SbBaPb	3.896736383	78.99809	5.509969	8.16817856	20.84629822	1.450308	119.20647	100983
55H22SbBaPb	2.548171282	14.1068	3.583113	7.26535368	17.6697731	2.464005	120.54706	127152
55H22SbPb	1.035806417	31.03497	1.064343	1.42010784	3.535876751	1.118231	121.66666	142070
55H23SbPb	4.123835564	136.836	3.286277	5.68563414	23.84115028	5.332695	132.41959	133354
55H24SbPb	12.69316387	143.8894	10.79491	16.0258465	99.50713348	8.609361	124.77706	128310

55H25SbBaPb	3.139904499	19.74952	4.53232	7.24113321	19.65219879	1.904942	125.40441	112915
55H26Pb	2.199123621	149.5321	2.181255	2.84011173	7.748033524	1.278412	119.90476	42062
55H26SbPb	0.733038723	18.33884	1.13308	2.3104763	4.72997427	1.765619	117.58823	163225
55H27SbPb	2.451097965	5.642721	3.047815	5.13758135	12.28672695	1.646629	127.85366	102682
55H28SbPb	11.35838032	63.48061	11.68841	19.3871517	122.8208618	11.18753	130.33444	132810
55H29SbPb	1.049578667	50.78449	1.028253	1.902053	4.538693428	1.974068	130	137956
55H2SbBaPb	1.475724816	163.6389	2.650193	4.31565809	9.944947243	1.426758	128.34409	147358
55H30SbBaPb	19.82733154	163.6389	18.48202	32.1475983	348.046875	35.93166	128.20805	134044
55H31SbPb	3.663989782	36.67769	3.181182	4.87089062	23.37935638	5.472538	130.64925	125095
55H32SbPb	3.662793159	46.55245	2.720503	4.99701166	20.57578468	5.795824	129.61224	119907
55H33SbPb	2.178773642	141.068	2.347997	3.11887264	7.883289814	1.142143	124.34247	116375
55H34SbBaPb	5.3665452	23.98156	6.157267	9.37207699	51.67036057	7.135225	129.86057	149645
55H34SbPb	3.272463799	146.7108	3.320569	4.39048767	15.36081219	2.168223	127.13699	121375
55H35SbPb	6.342973709	131.1933	4.992212	7.07945347	36.10466766	5.299577	130.36061	117108
55H36SbPb	5.125258446	45.14177	5.591602	7.23292589	19.92271233	1.286249	128.14493	125015
55H37SbBaPb	2.007530451	153.7641	2.198498	2.7228725	7.150985241	1.071964	121.70313	54648
55H37SbPb	2.443873644	157.9962	3.022935	3.93458223	10.90135002	1.317661	124.10744	141190
55H38SbBaPb	4.64539814	163.6389	6.29074	9.6346283	23.53782082	1.418501	119.72328	113034
55H39SbPb	4.993897438	128.3719	4.482052	6.57986784	30.8800869	4.809543	130.77068	134025
55H3SbBaPb	7.809047222	4.23204	7.595962	9.04054642	34.47198868	2.086737	118.6623	109536
55H40SbBaPb	25.15060043	121.3185	25.45687	41.0556717	475.4024658	35.33567	130.78044	124857
55H41SbPb	7.277750969	38.08837	7.650449	11.7911787	55.76647949	5.383605	129.79613	116274
55H42SbPb	4.404267788	11.28544	5.598351	9.69593048	38.54888916	4.804011	125.54458	92708
55H43SbBaPb	3.814838409	23.98156	4.892893	8.28401375	28.35663605	3.40313	128.81387	141773
55H44SbBaPb	13.78768349	111.4437	11.16969	18.134449	174.6088867	24.76002	129.01514	122605
55H44SbPb	1.198985577	125.5505	1.3463	2.09506226	4.594717503	1.180144	118.58334	113103
55H45SbPb	2.196708441	15.51748	3.388113	6.55747747	14.32517719	1.811277	125.26316	155982
55H46SbBaPb	1.233382821	11.28544	2.518696	4.72855234	10.27148342	1.685061	127.83334	100355
55H46SbPb	2.687408686	28.21361	3.39924	5.55874014	17.61375046	2.720449	132.26144	116750
55H47SbPb	1.720474839	166.4603	3.010417	5.02063942	15.05748177	2.534848	130.44167	114575

55H48SbPb	4.639370441	156.5855	4.405576	6.10809374	26.12690544	3.563455	129.786	131271
55H49SbPb	2.205143929	18.33884	2.664404	3.85079551	12.61326408	2.270678	130.43617	144881
55H4SbPb	9.011202812	43.73109	7.265654	11.5392561	71.07126617	9.694812	129.75679	133283
55H50SbBaPb	1.970038414	174.9243	3.072495	6.35046577	17.42246819	3.2579	130.45599	114052
55H51SbBaPb	9.144485474	136.836	8.997741	12.9259109	60.836586	4.631944	129.55783	120178
55H51SbPb	7.641154289	136.836	7.964816	14.6471443	60.2259407	5.79317	122.30119	110095
55H52SbPb	5.398928165	146.7108	6.344533	9.86264038	40.66657257	4.162712	128.1895	112626
55H53Pb	2.203939915	150.9428	2.895327	3.92677832	9.865715027	1.176421	128.4955	25406
55H53SbPb	15.78277493	11.28544	16.38305	27.8459301	241.8409424	22.07856	128.713	70606
55H54SbPb	2.202735901	14.1068	2.895327	4.01665878	9.786483765	1.157601	124.76576	75046
55H55SbPb	3.424063206	141.068	3.432404	4.67831659	18.48130989	2.937442	131.46794	137875
55H56SbPb	8.369516373	148.1214	7.625731	9.73265457	56.79250717	5.619786	131.44286	121394
55H57SbPb	4.099589825	16.92816	4.759888	8.63091183	30.58636665	4.183723	130.48	105133
55H58Cu	0.974184096	50.78449	1.099249	1.55938423	3.61510849	1.09585	116.125	19882
55H58SbPb	16.57418442	36.67769	12.06047	24.1591377	219.9494171	33.69905	129.608	133442
55H59SbBaPb	6.106651783	39.49905	7.145119	8.13928127	25.55306435	1.295889	118.37426	106786
55H5SbPb	4.785759449	128.3719	3.837544	6.57987499	29.68598938	6.06313	130.78975	120612
55H60SbPb	7.173048496	170.6923	6.720269	10.8506784	54.37149429	6.632385	129.20067	115119
55H61SbBaPb	6.065264225	172.103	6.601217	9.85022068	42.54655838	4.209024	129.40208	148844
55H62SbPb	3.884636402	19.74952	4.301492	5.93042898	23.76191711	3.091899	129.4449	124731
55H63Cu	3.191372395	176.335	4.846367	9.26695251	24.68550301	2.628767	126.98071	29145
55H64SbPb	8.411450386	23.98156	7.640572	14.1693792	65.55297089	7.458193	129.47348	114967
55H65SbPb	2.441450834	29.62428	3.157352	4.47086287	14.57248211	2.158348	132.22728	138848
55H66SbPb	3.662064791	153.7641	4.695994	7.84252691	27.18574715	3.39569	129.5822	126581
55H67SbPb	2.255981922	47.96313	2.411468	5.86521673	14.43722725	3.63166	129.05194	164748
55H68SbBaPb	4.886527538	159.4069	5.544129	9.09303379	30.47431946	3.061273	125.44717	121553
55H69SbBaPb	3.851443052	19.74952	5.250281	7.78186321	18.86387062	1.307968	119.14794	105850
55H6SbBaPb	11.50902081	139.6573	10.41752	16.9330196	92.2673111	7.948174	129.91719	148453
55H6SbPb	1.728903294	169.2816	2.959819	5.20642042	11.71288586	1.586712	122.94827	138716
55H70SbPb	4.51263237	18.33884	4.038899	9.01073456	30.56315994	5.801913	131.54167	140181

55H71SbBaPb	33.70446396	139.6573	25.66958	47.1246033	640.5457764	63.09041	128.9184	128365
55H7SbPb	6.816925049	145.3001	6.595494	10.3355436	54.04495621	6.803248	130.22743	108084
55H8SbBaPb	3.912356615	21.1602	5.163254	6.5572691	17.74900627	1.197297	115.98583	107839
55H9SbPb	4.386838436	11.28544	6.503245	16.6693306	59.50723648	8.483595	129.56429	120164
57F1SbPb	1.22977066	15.51748	2.249435	3.54598498	11.25109386	2.534796	115.32836	106391
57H100SbPb	3.665201187	162.2282	4.257373	6.39278603	21.72346878	2.638004	111.40833	93068
57H10SbBaPb	2.700679302	156.5855	4.057554	6.10809374	14.40440845	1.276917	99.811928	78143
57H11SbPb	7.572729588	157.9962	6.875801	9.72355747	45.07962036	4.355265	112.0607	96381
57H12SbPb	6.350197792	128.3719	5.957788	7.79718876	38.66093445	4.266535	108.21702	86847
57H13SbBaPb	10.2492981	172.103	10.74231	18.943285	79.46276093	5.544117	110.67998	95344
57H13SbPb	4.802712917	134.0146	5.537313	8.09576511	28.4126606	2.667634	111.30296	98140
57H14SbBaPb	5.376028538	146.7108	6.462472	7.56560898	22.39974785	1.217277	96.866188	82670
57H15SbBaPb	5.079853535	28.21361	6.175637	8.06593132	21.47616386	1.225323	104.56831	86389
57H16SbBaPb	1.461276174	49.37381	1.554573	2.24538326	5.653559208	1.340054	97	90113
57H16SbPb	8.59512043	1.41068	14.62456	30.2025471	157.0687561	11.68731	111.51907	114384
57H16SbSnPb	0.977787912	45.14177	1.099249	1.37770581	3.479852438	1.015383	94.9375	91185
57H17SbBaPb	2.44935894	153.7641	3.204834	5.44576359	11.82493496	1.37939	107.63235	106192
57H18Cu	6.201487064	155.1748	6.320682	9.15143776	41.59976578	4.388888	110.28166	21046
57H19Cu	10.78435135	152.3535	9.851167	16.0161839	93.82076263	9.190163	108.30817	16449
57H1SbBaPb	2.698256254	163.6389	4.001327	6.08862066	15.00145817	1.424162	98.40094	86915
57H20SbPb	5.29569912	12.69612	6.206134	11.7555771	45.38693619	5.41901	111.29216	107866
57H21SbPb	3.906331539	35.26701	4.439728	5.94565058	18.72861481	1.803015	112.13793	101401
57H22SbPb	1.953169584	146.7108	1.981699	2.63429284	6.633168221	1.135186	109.46154	124415
57H23SbBaPb	2.19191432	101.569	3.157352	4.72873783	11.82493496	1.42119	97.378784	80068
57H24SbBaPb	2.943005323	15.51748	4.759888	7.32663774	17.55772591	1.378617	95.916664	82929
57H25SbBaPb	2.20877099	9.874762	3.625023	5.44570017	13.28954411	1.361756	98.908043	87563
57H26Pb	0.735448718	15.51748	1.064343	1.77298498	3.806388855	1.295876	93.599998	33756
57H26SbPb	20.00430489	136.836	21.42126	32.4035721	246.5941315	13.42691	115.17676	114007
57H27Cu	1.235790968	169.2816	1.981699	3.96462417	9.45994854	2.308887	100.28846	12581
57H27Pb	1.217730165	71.94469	1.578676	2.31043172	5.247790813	1.119612	98.121216	21911

57H27SbPb	12.14348698	124.1399	10.18661	15.2658052	104.7549286	10.71496	106.86172	92070
57H28SbPb	5.847453117	22.57088	5.48937	6.87546301	29.22419548	2.871711	110.22055	98957
57H29SbBaPb	6.559356213	139.6573	8.638027	12.0990076	33.41314697	1.516024	97.101212	79158
57H2SbPb	3.567797184	148.1214	4.194827	6.01512909	19.30245781	2.145348	109.75966	106566
57H30SbBaPb	2.45471406	25.39224	3.847372	5.66472673	14.21312904	1.382776	96.693878	80389
57H31SbPb	2.932162523	162.2282	3.915472	5.6226964	15.90183544	1.671194	108.34975	102587
57H32SbPb	2.93095088	31.03497	2.90834	3.71738434	15.90183544	3.029039	109.66071	113504
57H33SbBaPb	4.652629852	142.4787	5.829648	7.30592012	21.09360313	1.326531	96.028893	87185
57H33SbPb	2.454710245	173.5137	3.866951	6.37419748	16.41965294	1.826801	111.0101	100789
57H34SbBaPb	1.228559136	8.464081	2.548504	5.16630793	10.92455673	1.86182	99.604652	70045
57H35SbPb	1.151596308	40.90973	1.427966	2.58889532	5.844839096	1.6975	112.66666	108374
57H36Pb	5.701375961	162.2282	5.307506	6.62471485	28.8744545	2.998797	109.59249	31064
57H36SbBaPb	0.974184096	50.78449	1.197879	1.55938053	3.750364542	0.993166	94.842102	86922
57H36SbPb	5.352490425	149.5321	5.271813	7.31017113	32.8721199	3.939454	111.09511	107023
57H37SbPb	1.708419442	15.51748	2.364024	3.78065658	8.536363602	1.321121	107.25676	94865
57H38SbBaPb	2.698256254	8.464081	4.439728	6.64751005	17.09593201	1.502358	97.122604	80800
57H39SbPb	1.314998388	45.14177	1.602417	3.09983063	7.015729427	1.942205	113.38235	107526
57H3SbPb	0.746297061	176.335	1.716202	3.90433598	7.962521553	2.181047	105.8718	86902
57H40SbPb	1.708419442	14.1068	2.761829	4.7846241	10.51878834	1.469733	110.88119	126280
57H41SbPb	5.127658844	172.103	5.509969	7.12971163	27.89484406	2.59687	110.58209	104256
57H42SbPb	8.051393509	21.1602	7.409746	10.718749	62.06350327	7.108314	115.48556	104060
57H43SbPb	1.720474839	169.2816	2.518696	3.96463919	11.49839878	2.111659	112.17857	100843
57H44SbPb	6.827274799	16.92816	7.709451	9.93770599	41.73501968	2.969306	112.0216	82915
57H45SbPb	6.954484463	29.62428	9.387966	17.1279316	57.61365128	3.816	106.07712	95729
57H46SbPb	1.720474839	8.464081	2.882255	4.68452263	10.78930092	1.419784	109.98182	110441
57H47SbBaPb	2.449893951	16.92816	3.963399	6.08823442	14.53966522	1.363559	98.17308	85384
57H48SbBaPb	9.509019852	53.60585	9.583031	11.1552372	43.91833878	2.128074	94.855263	80901
57H49SbPb	16.60504723	101.569	14.19745	19.343298	158.5485992	12.63585	108.03484	101917
57H4SbBaPb	2.454152822	165.0496	3.886432	7.32639647	16.41965294	1.808533	105.545	103638
57H50SbBaPb	8.912894249	39.49905	8.819718	10.727088	43.19963074	2.430811	111.0932	99454

57H51SbPb	2.598468304	12.69612	3.857174	6.49852705	16.88144493	1.940803	111.6599	98811
57H52SbPb	1.474520683	167.871	2.457996	3.48704576	10.38353348	1.808126	113.05	51219
57H53SbPb	1.715651274	9.874762	2.577967	4.44418001	15.24876213	3.544989	109.10227	101019
57H54SbBaPb	1.324990273	114.2651	1.16593	2.39861774	6.227400303	2.890477	169.61111	21688
57H55Pb	1.145561218	11.28544	1.288984	3.7255373	8.209826469	4.110302	171.5	18505
57H56SbBaPb	0.505160272	172.103	1.099249	3.68546748	7.500729084	4.717538	174.5	28785
57H57SbBaPb	1.8558743	124.1399	1.694057	5.26854849	14.11069012	7.029774	171.44737	16783
57H58SbBaPb	2.949992895	26.80293	2.146352	8.71329212	21.89154243	10.54026	172.27869	24648
57H59SbBaPb	1.338611245	33.85632	1.625811	3.51245713	8.974947929	3.087623	174.48572	28275
57H5SbBaPb	7.204511642	12.69612	6.24858	10.9892788	46.40896988	5.589098	106.40232	94085
57H60Pb	2.027594328	129.7826	1.923686	5.36346817	14.39081192	5.670259	171.04082	19464
57H61SbBaPb	3.558330297	29.62428	2.299244	8.94172478	23.44499207	10.5349	170.92857	19560
57H61SbPb	3.04526186	11.28544	1.625811	5.20621967	15.50567722	9.215987	171.45714	11224
57H62Pb	0.871021926	63.48061	1.16593	4.35668516	8.513154984	5.401782	169.38889	10575
57H63Pb	2.200617552	59.24857	1.716202	4.26028633	12.07223988	5.013483	170.5641	13040
57H63SbBaPb	1.076729417	36.67769	1.288984	4.87089062	9.931350708	6.014816	167.40909	23574
57H64Pb	1.720460057	176.335	1.884018	3.66128612	11.17186165	3.56272	170.68085	14331
57H65Pb	2.029188395	135.4253	2.163874	3.78858709	13.91940975	4.192551	172.59677	11715
57H66Pb	2.413475037	50.78449	2.092908	4.67814541	14.74055576	5.026065	170.63792	14459
57H67SbBaPb	1.465958595	47.96313	1.802065	2.93260098	8.401106834	2.202079	170.23256	23239
57H68SbPb	1.953169584	9.874762	3.096977	5.92557573	14.65171432	2.267783	102.07874	99321
57H69SbPb	4.602040768	143.8894	5.849048	9.06040573	22.97358894	1.563104	110.7351	103459
57H6SbBaPb	8.760923386	50.78449	9.563309	11.4123268	36.972229	1.514382	97.341042	85760
57H70SbPb	1.725291133	162.2282	2.761829	4.62064791	10.05699635	1.343518	111.04951	89751
57H71SbBaPb	9.759737968	39.49905	9.712193	13.845665	59.34877396	3.783463	106.65572	109587
57H71SbPb	2.861383438	71.94469	3.604129	6.16114664	15.68734837	1.919548	99.854652	96999
57H72Pb	1.222536087	165.0496	1.962552	2.77680969	7.094961166	1.324214	112.31373	15848
57H73SbPb	3.554591656	29.62428	6.703391	15.044014	37.90542603	3.23977	110.51933	117360
57H74Cu	1.223735571	15.51748	1.3463	1.77299249	4.594717503	1.180144	95.833336	14046
57H74Pb	2.188168287	25.39224	2.692599	4.03131914	9.707252502	1.316891	103.91666	18578

57H74SbBaPb	9.768166542	50.78449	9.954123	16.0904751	71.66831207	5.252294	106.58231	99905
57H74SbPb	1.618085623	31.03497	1.843497	2.84020829	6.497912407	1.25882	103.62222	72075
57H75SbPb	1.801399231	170.6923	3.388113	7.64748478	17.61375046	2.738347	104.09869	79389
57H76SbPb	4.82489872	31.03497	5.307506	7.97769499	24.76473618	2.205906	111.2681	105349
57H77SbPb	2.703072548	166.4603	3.727735	6.02477646	15.82260418	1.825436	104.59782	118536
57H78SbPb	2.458946705	159.4069	3.343235	5.4729476	12.28672695	1.368482	111.41216	103571
57H79Cu	0.989836812	172.103	2.000664	3.68547678	7.827265263	1.55086	102.56604	8241
57H7SbBaPb	1.967629313	172.103	3.41033	5.64882135	12.69249535	1.403465	96.370132	84206
57H80SbBaPb	2.693436384	166.4603	4.038899	7.26567316	17.5345192	1.909688	96.768517	84849
57H81SbBaPb	11.85198307	59.24857	11.43034	13.1146889	68.37974548	3.626079	95.654915	88023
57H82SbPb	4.553919792	167.871	6.903205	13.9481831	45.75589752	4.451365	108.32488	91776
57H83SbPb	2.651513577	18.33884	3.354511	5.39111662	18.26682281	3.004472	111.20134	88984
57H84SbBaPb	2.196708202	16.92816	3.19303	5.08534622	12.69249535	1.60099	106.26667	95215
57H84SbPb	2.686208248	16.92816	3.263215	4.31545734	13.45761681	1.723239	108.98582	78400
57H85Pb	1.709623575	167.871	2.282762	3.48704576	8.209826469	1.310531	103.49275	32721
57H85SbBaPb	3.967180967	59.24857	3.354511	5.13724709	22.89435768	4.719533	109.08054	66836
57H85SbPb	2.591690063	26.80293	2.775468	4.90122986	15.49606705	3.15843	109.15686	75515
57H86SbPb	2.439050198	8.464081	3.614591	6.88840294	18.29963875	2.596973	107.31214	41391
57H87SbPb	2.922552347	55.01653	3.309178	3.85075188	10.51878834	1.023745	110.77931	101331
57H88SbPb	4.634554386	8.464081	5.148606	6.64751005	18.13156509	1.256585	109.87749	94113
57H89SbPb	2.44266963	16.92816	3.365749	4.85235596	14.24594593	1.81518	113.72	98391
57H8SbBaPb	4.630933285	23.98156	5.672061	8.28401375	21.09360313	1.401265	98.143196	87237
57H90SbBaPb	7.806643009	33.85632	8.330937	9.65925217	31.35149002	1.434925	96.154518	82192
57H91SbPb	1.966421604	163.6389	3.228313	5.0853014	11.57763004	1.303133	107.50725	106495
57H92SbPb	10.49498844	122.7292	10.88201	13.5796757	69.30332947	4.109515	107.2551	103523
57H93SbBaPb	3.667608261	32.44564	4.783628	6.35090399	15.9810667	1.13083	106.0033	75335
57H94SbBaPb	2.220811605	8.464081	3.944298	6.64751005	16.4988842	1.772843	95.383492	83459
57H95SbPb	1.2261585	21.1602	2.110873	3.39220786	7.906497002	1.421493	105.67796	97881
57H96SbBaPb	2.939394236	12.69612	4.431214	6.49853468	16.11632347	1.340254	95.403847	85366
57H97SbPb	1.719263434	162.2282	2.882255	3.85053635	11.0598135	1.491871	113.40909	96377

57H98SbPb	11.32598305	105.801	11.19333	14.9536276	74.98009491	4.546467	107.05606	106681
57H99SbBaPb	1.223739266	23.98156	1.843497	2.94267941	6.441887856	1.237207	103.53333	65864
57H9SbPb	7.230555058	15.51748	7.353475	9.86878681	40.89067078	3.133025	111.91899	105428
28F1SbPb	2.692228556	150.9428	2.829365	4.47084761	18.26682281	4.223268	111.29245	96232
30F1SbPb	8.646627426	21.1602	9.750996	13.1145315	61.76978302	4.065883	121.02859	105317
19H1SbPb	5.12785244	172.103	4.158664	8.8518219	41.89348221	10.2822	127.72489	92345
33F1SbPb	3.472091675	163.6389	4.396996	8.39761066	32.43353653	5.512861	125.39453	83276
35H1SbPb	1.954370379	23.98156	2.895327	4.25326824	12.66928864	1.940036	85.936935	70036
44H1SbPb	1.475724816	169.2816	2.26616	3.72534442	9.268667221	1.694939	86.264709	80740
46H1Pb	2.682588816	21.1602	3.886432	7.32655621	15.9810667	1.713207	108.105	44236
54H1SbPb	5.372401714	25.39224	5.413174	7.84261608	33.81891632	3.954723	110.63402	102864

Appendix D

Unique	Feature	Area Layout	Field	Rank	Stub Details	Vent	Prep	Time (Hours)
9#1SbPb	24	Circle1	44	Indicative	9#	None	None	0
9#2SbPb	39	Circle1	163	Indicative	9#	None	None	0
9#3SbPb	40	Circle1	165	Indicative	9#	None	None	0
9#4SbPb	41	Circle1	200	Indicative	9#	None	None	0
9#5SbPb	172	Circle1	441	Indicative	9#	None	None	0
9#6SbPb	173	Circle1	493	Indicative	9#	None	None	0
9#7SbPb	182	Circle1	677	Indicative	9#	None	None	0
9#8SbPb	183	Circle1	689	Indicative	9#	None	None	0
9#9SbPb	297	Circle1	814	Indicative	9#	None	None	0
9#10SbPb	298	Circle1	852	Indicative	9#	None	None	0
9#11SbPb	301	Circle1	901	Indicative	9#	None	None	0
9#12SbBaPb	310	Circle1	965	Unique	9#	None	None	0
9#13BaCuSr	312	Circle1	975	Indicative	9#	None	None	0
9#14SbBaPb	313	Circle1	981	Unique	9#	None	None	0
9#15SbPb	314	Circle1	992	Indicative	9#	None	None	0
7#1SbPb	368	Circle2	1316	Indicative	7#	Yes	Wipe	2
7#2Pb	441	Circle2	1960	Environmental	7#	Yes	Wipe	2
7#3SbBaPb	442	Circle2	1971	Unique	7#	Yes	Wipe	2
7#4SbPb	451	Circle2	2023	Indicative	7#	Yes	Wipe	2
5#1SbPb	454	Circle3	2394	Indicative	5#	Yes	Wipe	0
5#2SbBaPb	458	Circle3	3099	Unique	5#	Yes	Wipe	0
10#1Pb	100	Circle4	384	Environmental	10#	None	None	0
10#2Pb	162	Circle4	681	Environmental	10#	None	None	0
8#1SbPb	331	Circle5	1437	Indicative	8#	Yes	Wipe	2
8#2Pb	524	Circle5	2157	Environmental	8#	Yes	Wipe	2
6#1SbPb	527	Circle6	2209	Indicative	6#	Yes	Wipe	0
6#2SbBaPb	594	Circle6	2583	Unique	6#	Yes	Wipe	0
1#1SbBaPb	1	Circle1	2	Unique	1#	None	Water	0
1#2BaPb	2	Circle1	2	Indicative	1#	None	Water	0
1#3SbPb	3	Circle1	2	Indicative	1#	None	Water	0

1#4SbPb	40	Circle1	115	Indicative	1#	None	Water	0
1#5Pb	41	Circle1	118	Environmental	1#	None	Water	0
1#6Pb	43	Circle1	131	Environmental	1#	None	Water	0
1#6SbPb	44	Circle1	132	Indicative	1#	None	Water	0
1#4SbPb	45	Circle1	139	Indicative	1#	None	Water	0
1#7SbPb	55	Circle1	252	Indicative	1#	None	Water	0
1#8SbPb	57	Circle1	282	Indicative	1#	None	Water	0
1#9SbPb	104	Circle1	330	Indicative	1#	None	Water	0
1#10SbPb	123	Circle1	390	Indicative	1#	None	Water	0
1#11SbPb	194	Circle1	426	Indicative	1#	None	Water	0
1#12SbPb	232	Circle1	447	Indicative	1#	None	Water	0
1#13SbPb	256	Circle1	492	Indicative	1#	None	Water	0
1#14Pb	260	Circle1	512	Environmental	1#	None	Water	0
1#15SbPb	430	Circle1	739	Indicative	1#	None	Water	0
1#16SbPb	431	Circle1	741	Indicative	1#	None	Water	0
1#16SbPb	437	Circle1	769	Indicative	1#	None	Water	0
1#17BaS	438	Circle1	770	Unclassified	1#	None	Water	0
1#18SbPb	461	Circle1	841	Indicative	1#	None	Water	0
1#19SbBaPb	463	Circle1	857	Unique	1#	None	Water	0
1#20SbPb	486	Circle1	875	Indicative	1#	None	Water	0
1#21SbPb	487	Circle1	877	Indicative	1#	None	Water	0
1#22SbPb	538	Circle1	954	Indicative	1#	None	Water	0
1#23SbPb	539	Circle1	955	Indicative	1#	None	Water	0
1#24SbBaPb	540	Circle1	976	Unique	1#	None	Water	0
13#1Pb	651	Circle2	1089	Environmental	13#	Yes	Wipe	1.5
13#2SbBaPb	659	Circle2	1097	Unique	13#	Yes	Wipe	1.5
13#3Pb	686	Circle2	1110	Environmental	13#	Yes	Wipe	1.5
13#4SbPb	769	Circle2	1222	Indicative	13#	Yes	Wipe	1.5
13#5SbPb	788	Circle2	1239	Indicative	13#	Yes	Wipe	1.5
13#6SbPb	849	Circle2	1302	Indicative	13#	Yes	Wipe	1.5
13#7SbBaPb	874	Circle2	1318	Unique	13#	Yes	Wipe	1.5
13#8SbPb	891	Circle2	1338	Indicative	13#	Yes	Wipe	1.5
13#9SbPb	930	Circle2	1373	Indicative	13#	Yes	Wipe	1.5

13#10Pb	933	Circle2	1378	Environmental	13#	Yes	Wipe	1.5
13#11SbBa	1028	Circle2	1475	Indicative	13#	Yes	Wipe	1.5
13#12SbPb	1041	Circle2	1489	Indicative	13#	Yes	Wipe	1.5
13#13Pb	1045	Circle2	1491	Environmental	13#	Yes	Wipe	1.5
13#13Pb	1046	Circle2	1491	Environmental	13#	Yes	Wipe	1.5
13#14SbPb	1071	Circle2	1514	Indicative	13#	Yes	Wipe	1.5
13#15Ba	1074	Circle2	1516	Unclassified	13#	Yes	Wipe	1.5
13#16SbPb	1076	Circle2	1518	Indicative	13#	Yes	Wipe	1.5
13#17SbPb	1118	Circle2	1561	Indicative	13#	Yes	Wipe	1.5
13#18SbPb	1143	Circle2	1590	Indicative	13#	Yes	Wipe	1.5
13#19BaS	1161	Circle2	1613	Unclassified	13#	Yes	Wipe	1.5
13#19Ba	1162	Circle2	1613	Unclassified	13#	Yes	Wipe	1.5
13#20SbPb	1201	Circle2	1652	Indicative	13#	Yes	Wipe	1.5
13#21Pb	1323	Circle2	1692	Environmental	13#	Yes	Wipe	1.5
13#22Pb	1422	Circle2	1776	Environmental	13#	Yes	Wipe	1.5
13#23SbPb	1433	Circle2	1789	Indicative	13#	Yes	Wipe	1.5
13#24SbPb	1454	Circle2	1825	Indicative	13#	Yes	Wipe	1.5
13#25SbPb	1464	Circle2	1846	Indicative	13#	Yes	Wipe	1.5
13#26SbPb	1479	Circle2	1860	Indicative	13#	Yes	Wipe	1.5
13#26SbPb	1496	Circle2	1889	Indicative	13#	Yes	Wipe	1.5
13#27SbPb	1506	Circle2	1900	Indicative	13#	Yes	Wipe	1.5
13#28SbPb	1533	Circle2	1938	Indicative	13#	Yes	Wipe	1.5
13#28SbPb	1540	Circle2	1939	Indicative	13#	Yes	Wipe	1.5
13#29SbPb	1584	Circle2	1991	Indicative	13#	Yes	Wipe	1.5
13#30SbPb	1619	Circle2	2048	Indicative	13#	Yes	Wipe	1.5
13#31SbPb	1629	Circle2	2062	Indicative	13#	Yes	Wipe	1.5
13#32SbPb	1637	Circle2	2072	Indicative	13#	Yes	Wipe	1.5
13#33SbPb	1645	Circle2	2077	Indicative	13#	Yes	Wipe	1.5
13#34SbBaPb	1650	Circle2	2080	Unique	13#	Yes	Wipe	1.5
11#1SbPb	1696	Circle3	2137	Indicative	11#	Yes	Wipe	0.5
11#2SbPb	1700	Circle3	2147	Indicative	11#	Yes	Wipe	0.5
11#3SbPb	1736	Circle3	2168	Indicative	11#	Yes	Wipe	0.5
11#4SbPb	1759	Circle3	2186	Indicative	11#	Yes	Wipe	0.5

11#5Pb	1761	Circle3	2190	Environmental	11#	Yes	Wipe	0.5
11#6SbPb	1815	Circle3	2257	Indicative	11#	Yes	Wipe	0.5
11#7SbPb	1830	Circle3	2275	Indicative	11#	Yes	Wipe	0.5
11#8SbPb	1868	Circle3	2307	Indicative	11#	Yes	Wipe	0.5
11#9Pb	1873	Circle3	2319	Environmental	11#	Yes	Wipe	0.5
11#10SbPb	1909	Circle3	2355	Indicative	11#	Yes	Wipe	0.5
11#11SbPb	1911	Circle3	2358	Indicative	11#	Yes	Wipe	0.5
11#12SbPb	1923	Circle3	2369	Indicative	11#	Yes	Wipe	0.5
11#13SbPb	1943	Circle3	2382	Indicative	11#	Yes	Wipe	0.5
11#14SbPb	1976	Circle3	2408	Indicative	11#	Yes	Wipe	0.5
11#15SbPb	2137	Circle3	2494	Indicative	11#	Yes	Wipe	0.5
11#16Pb	2157	Circle3	2518	Environmental	11#	Yes	Wipe	0.5
11#17Pb	2158	Circle3	2521	Environmental	11#	Yes	Wipe	0.5
11#18SbPb	2196	Circle3	2578	Indicative	11#	Yes	Wipe	0.5
11#19SbPb	2211	Circle3	2621	Indicative	11#	Yes	Wipe	0.5
11#20Pb	2227	Circle3	2649	Environmental	11#	Yes	Wipe	0.5
11#21SbPb	2295	Circle3	2719	Indicative	11#	Yes	Wipe	0.5
11#22SbPb	2328	Circle3	2767	Indicative	11#	Yes	Wipe	0.5
11#23SbPb	2353	Circle3	2779	Indicative	11#	Yes	Wipe	0.5
11#24SbPb	2397	Circle3	2811	Indicative	11#	Yes	Wipe	0.5
11#25SbPb	2459	Circle3	2867	Indicative	11#	Yes	Wipe	0.5
11#26SbPb	2525	Circle3	2950	Indicative	11#	Yes	Wipe	0.5
11#27SbBaPb	2526	Circle3	2952	Unique	11#	Yes	Wipe	0.5
11#28SbPb	2536	Circle3	2957	Indicative	11#	Yes	Wipe	0.5
11#29SbBaPb	2542	Circle3	2964	Unique	11#	Yes	Wipe	0.5
11#30SbPb	2563	Circle3	2984	Indicative	11#	Yes	Wipe	0.5
11#31SbBaPb	2574	Circle3	2988	Unique	11#	Yes	Wipe	0.5
11#32SbPb	2577	Circle3	2996	Indicative	11#	Yes	Wipe	0.5
11#33SbPb	2611	Circle3	3024	Indicative	11#	Yes	Wipe	0.5
11#34SbPb	2612	Circle3	3025	Indicative	11#	Yes	Wipe	0.5
11#35SbPb	2640	Circle3	3057	Indicative	11#	Yes	Wipe	0.5
11#36SbPb	2658	Circle3	3071	Indicative	11#	Yes	Wipe	0.5
11#37SbPb	2677	Circle3	3108	Indicative	11#	Yes	Wipe	0.5

11#38SbPb	2692	Circle3	3135	Indicative	11#	Yes	Wipe	0.5
11#39Pb	2696	Circle3	3138	Environmental	11#	Yes	Wipe	0.5
11#40SbPb	2707	Circle3	3157	Indicative	11#	Yes	Wipe	0.5
2#1SbPb	3110	Circle4	3359	Indicative	2#	None	Water	0
12#1SbPb	4211	Circle6	5517	Indicative	12#	Yes	Wipe	0.5
12#2SbPb	4218	Circle6	5602	Indicative	12#	Yes	Wipe	0.5
12#3SbBaPb	4232	Circle6	5736	Unique	12#	Yes	Wipe	0.5
12#4SbPb	4236	Circle6	5759	Indicative	12#	Yes	Wipe	0.5
12#5Pb	4267	Circle6	5907	Environmental	12#	Yes	Wipe	0.5
12#6SbBaPb	4273	Circle6	6036	Unique	12#	Yes	Wipe	0.5
12#7SbBaPb	4274	Circle6	6040	Unique	12#	Yes	Wipe	0.5
12#8SbPb	4296	Circle6	6200	Indicative	12#	Yes	Wipe	0.5
12#9SbPb	4311	Circle6	6306	Indicative	12#	Yes	Wipe	0.5
12#10SbPb	4320	Circle6	6332	Indicative	12#	Yes	Wipe	0.5
12#11SbBaPb	4321	Circle6	6333	Unique	12#	Yes	Wipe	0.5
12#12Pb	4500	Circle6	6413	Environmental	12#	Yes	Wipe	0.5
12#13SbPb	4511	Circle6	6441	Indicative	12#	Yes	Wipe	0.5
3#1Pb	2	Circle1	62	Environmental	3#	None	Wipe	0
15#1SbBaPb	458	Circle2	1016	Unique	15#	Yes	Wipe	1
15#2SbPb	484	Circle2	1078	Indicative	15#	Yes	Wipe	1
15#3Pb	485	Circle2	1079	Environmental	15#	Yes	Wipe	1
15#4SbBaPb	486	Circle2	1090	Unique	15#	Yes	Wipe	1
15#5SbPb	528	Circle2	1123	Indicative	15#	Yes	Wipe	1
15#6Pb	529	Circle2	1126	Environmental	15#	Yes	Wipe	1
15#7SbPb	530	Circle2	1130	Indicative	15#	Yes	Wipe	1
15#8SbPb	532	Circle2	1135	Indicative	15#	Yes	Wipe	1
15#9Pb	912	Circle2	1253	Environmental	15#	Yes	Wipe	1
15#10Pb	914	Circle2	1262	Environmental	15#	Yes	Wipe	1
15#11SbPb	929	Circle2	1344	Indicative	15#	Yes	Wipe	1
15#12Pb	971	Circle2	1422	Environmental	15#	Yes	Wipe	1
15#13SbPb	978	Circle2	1446	Indicative	15#	Yes	Wipe	1
15#14SbPb	981	Circle2	1461	Indicative	15#	Yes	Wipe	1
15#15Pb	995	Circle2	1499	Environmental	15#	Yes	Wipe	1

15#16SbPb	1010	Circle2	1516	Indicative	15#	Yes	Wipe	1
15#17SbPb	1012	Circle2	1519	Indicative	15#	Yes	Wipe	1
15#18SbPb	1016	Circle2	1535	Indicative	15#	Yes	Wipe	1
15#19Pb	1027	Circle2	1559	Environmental	15#	Yes	Wipe	1
15#20SbPb	1029	Circle2	1569	Indicative	15#	Yes	Wipe	1
15#21Pb	1034	Circle2	1583	Environmental	15#	Yes	Wipe	1
15#22Pb	1041	Circle2	1607	Environmental	15#	Yes	Wipe	1
15#23SbPb	1058	Circle2	1628	Indicative	15#	Yes	Wipe	1
15#24SbPb	1060	Circle2	1634	Indicative	15#	Yes	Wipe	1
15#25SbPb	1089	Circle2	1707	Indicative	15#	Yes	Wipe	1
15#26Pb	1093	Circle2	1717	Environmental	15#	Yes	Wipe	1
15#27SbPb	1099	Circle2	1743	Indicative	15#	Yes	Wipe	1
15#28SbPb	1116	Circle2	1785	Indicative	15#	Yes	Wipe	1
15#29Pb	1124	Circle2	1813	Environmental	15#	Yes	Wipe	1
15#30Pb	1136	Circle2	1818	Environmental	15#	Yes	Wipe	1
15#31SbPb	1137	Circle2	1820	Indicative	15#	Yes	Wipe	1
15#32SbPb	1139	Circle2	1830	Indicative	15#	Yes	Wipe	1
15#33SbPb	1277	Circle2	1853	Indicative	15#	Yes	Wipe	1
15#34Pb	1405	Circle2	1924	Environmental	15#	Yes	Wipe	1
15#35Pb	1421	Circle2	1980	Environmental	15#	Yes	Wipe	1
15#36SbPb	1447	Circle2	2018	Indicative	15#	Yes	Wipe	1
15#37BaS	1450	Circle2	2023	Unclassified	15#	Yes	Wipe	1
15#38SbPb	1452	Circle2	2046	Indicative	15#	Yes	Wipe	1
15#39SbBaPb	1457	Circle2	2058	Unique	15#	Yes	Wipe	1
15#40Pb	1463	Circle2	2078	Environmental	15#	Yes	Wipe	1
15#41SbBaPb	1464	Circle2	2080	Unique	15#	Yes	Wipe	1
15#42SbPb	1469	Circle2	2085	Indicative	15#	Yes	Wipe	1
15#43SbPb	1470	Circle2	2097	Indicative	15#	Yes	Wipe	1
4#1Pb	1488	Circle3	2192	Environmental	4#	None	Wipe	0
16#1SbBaPb	2283	Circle4	3428	Unique	16#	Yes	Wipe	1
16#1SbBaPb	2284	Circle4	3429	Unique	16#	Yes	Wipe	1
16#2Ba	2386	Circle4	3675	Unclassified	16#	Yes	Wipe	1
16#3SbBaPb	2452	Circle4	3774	Unique	16#	Yes	Wipe	1

16#4Pb	2495	Circle4	3868	Environmental	16#	Yes	Wipe	1
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Appendix E

Unique	Particle Count	Morphology	Type	Area (sq. μm)	Aspect Ratio	Beam X (pixels)	Beam Y (pixels)
9#1SbPb	1	Irregular	SbPb	4.152026653	1.759602666	199	665.5
9#2SbPb	2	Cluster	SbPb	11.98156261	1.178993702	813.5	336.5
9#3SbPb	3	Irregular	SbPb	4.270656109	1.852178454	796.5	279.5
9#4SbPb	4	Sphere	SbPb	2.787789345	2.137039423	68	425.5
9#5SbPb	5	Cluster	SbPb	5.338319778	2.007036686	698	767.5
9#6SbPb	6	Irregular	SbPb	6.52461338	1.481442213	55	279.5
9#7SbPb	7	Irregular	SbPb	14.94729614	1.167598963	723.5	438.5
9#8SbPb	8	Cluster	SbPb	409.0932617	1.790188193	143.5	360.5
9#9SbPb	9	Cluster	SbPb	17.55714035	1.191261172	341.5	58.5
9#10SbPb	10	Cluster	SbPb	52.61211014	1.300717592	842.5	171.5
9#11SbPb	11	Irregular	SbPb	8.897199631	1.433654785	410	527.5
9#12SbBaPb	12	Cluster	SbBaPb	32.62306595	1.56205523	307	296.5
9#13BaCuSr	13	Cluster	BaCuSr	18.20960236	1.317647099	114.5	251.5
9#14SbBaPb	14	Cluster	SbBaPb	7.23638916	1.409403443	303.5	509.5
9#15SbPb	15	Irregular	SbPb	7.770221233	1.712159872	477	585.5
7#1SbPb	1	Cluster	SbPb	4.507914543	1.625794411	290.5	611.5
7#2Pb	2	Cluster	Pb	3.26230669	2.003869295	45.5	638.5
7#3SbBaPb	3	Irregular	SbBaPb	6.465298653	1.452414989	724	689.5
7#4SbPb	4	Cluster	SbPb	45.31640625	2.449603558	587	518.5
5#1SbPb	1	Cluster	SbPb	7.532962322	1.41291821	623.5	327.5
5#2SbBaPb	2	Cluster	SbBaPb	11.09184265	1.225633144	115	246.5
10#1Pb	1	Sphere	Pb	7.058445454	1.184366822	789	4.5
10#2Pb	2	Sphere	Pb	2.016698599	1.843908668	2.5	605.5
8#1SbPb	1	Irregular	SbPb	40.63054657	1.927157879	710	317.5
8#2Pb	2	Cluster	Pb	11.21047211	1.56596458	891	332.5
6#1SbPb	1	Cluster	SbPb	8.897199631	1.286505222	803.5	360.5
6#2SbBaPb	2	Irregular	SbBaPb	17.08262444	1.646484375	7.5	606.5
1#1SbBaPb	1	Cluster	SbBaPb	24.3190136	1.275479794	627.5	123.5
1#2BaPb	2	Cluster	BaPb	35.41085434	2.069829702	635	229.5
1#3SbPb	3	Cluster	SbPb	23.60723686	1.182867169	569	247.5

1#4SbPb	4	Irregular	SbPb	4.745173454	4.541442871	376.5	767.5
1#5Pb	5	Irregular	Pb	6.405983925	1.426861644	858	33.5
1#6Pb	6	Irregular	Pb	2.728474617	2.432924747	2.5	65.5
1#6SbPb	6	Irregular	SbPb	11.62567425	1.185418606	1014.5	304.5
1#4SbPb	4	Irregular	SbPb	10.26143742	2.850831032	563.5	0.5
1#7SbPb	7	Cluster	SbPb	17.85371399	1.245374441	978.5	270.5
1#8SbPb	8	Cluster	SbPb	7.414333344	1.382623076	443	625.5
1#9SbPb	9	Irregular	SbPb	26.51365471	1.203961968	105	492.5
1#10SbPb	10	Irregular	SbPb	38.85110474	1.136773586	965	324.5
1#11SbPb	11	Irregular	SbPb	3.61819458	1.589320064	250	435.5
1#12SbPb	12	Cluster	SbPb	40.57123184	1.14621079	278	726.5
1#13SbPb	13	Sphere	SbPb	3.499565363	1.53980732	930	677.5
1#14Pb	14	Irregular	Pb	4.745173454	4.143295288	115.5	100.5
1#15SbPb	15	Cluster	SbPb	13.52374363	1.326579213	631	515.5
1#16SbPb	16	Cluster	SbPb	27.52200508	2.84422493	403	758.5
1#16SbPb	16	Cluster	SbPb	9.490346909	3.212215185	569.5	0.5
1#17BaS	17	Irregular	BaS	2.253957272	1.426604033	3.5	307.5
1#18SbPb	18	Cluster	SbPb	148.1087189	2.25125289	490.5	667.5
1#19SbBaPb	19	Irregular	SbBaPb	2.313271999	1.956153393	10.5	493.5
1#20SbPb	20	Cluster	SbPb	16.72673607	1.599105239	513.5	516.5
1#21SbPb	21	Irregular	SbPb	8.778570175	1.365623713	111	16.5
1#22SbPb	22	Irregular	SbPb	5.931466579	1.50466907	749.5	542.5
1#23SbPb	23	Cluster	SbPb	170.94487	1.263491988	902.5	82.5
1#24SbBaPb	24	Cluster	SbBaPb	153.2097778	1.414327502	83.5	474.5
13#1Pb	1	Cluster	Pb	3.440250635	1.53105104	906	24.5
13#2SbBaPb	2	Cluster	SbBaPb	12.1595068	1.378547311	439	599.5
13#3Pb	3	Cluster	Pb	11.21047211	1.850657225	788.5	719.5
13#4SbPb	4	Irregular	SbPb	9.134458542	1.213962317	274.5	540.5
13#5SbPb	5	Cluster	SbPb	4.685858727	1.503024936	278	434.5
13#6SbPb	6	Irregular	SbPb	13.28648472	1.347663283	314.5	602.5
13#7SbBaPb	7	Irregular	SbBaPb	4.567229271	1.334276199	886	625.5
13#8SbPb	8	Irregular	SbPb	4.211341381	1.414429069	890	325.5
13#9SbPb	9	Cluster	SbPb	19.75178337	1.263929725	784.5	504.5

13#10Pb	10	Cluster	Pb	7.532962322	1.656082392	904.5	42.5
13#11SbBa	11	Cluster	SbBa	1.482866645	2.12276125	309	293.5
13#12SbPb	12	Irregular	SbPb	2.431901217	2.04689312	327.5	163.5
13#13Pb	13	Cluster	Pb	4.507914543	4.955759525	306	611.5
13#13Pb	13	Cluster	Pb	3.084362507	3.56320262	310	615.5
13#14SbPb	14	Cluster	SbPb	25.80187988	1.322294116	289.5	204.5
13#15Ba	15	Irregular	Ba	5.516263962	1.443973899	743	569.5
13#16SbPb	16	Cluster	SbPb	13.4644289	1.182859302	857	208.5
13#17SbPb	17	Irregular	SbPb	4.211341381	1.450519681	332	658.5
13#18SbPb	18	Irregular	SbPb	12.04087734	1.989229679	437	715.5
13#19BaS	19	Cluster	BaS	10.26143742	1.359412193	993.5	452.5
13#19Ba	19	Cluster	Ba	5.397634506	1.53929913	1011.5	459.5
13#20SbPb	20	Irregular	SbPb	5.338319778	1.438046455	734	492.5
13#21Pb	21	Cluster	Pb	2.728474617	2.214148998	834	229.5
13#22Pb	22	Irregular	Pb	7.888850689	1.109365582	202.5	318.5
13#23SbPb	23	Cluster	SbPb	25.50530624	1.28213644	222.5	608.5
13#24SbPb	24	Irregular	SbPb	14.35414886	1.519761682	812	626.5
13#25SbPb	25	Irregular	SbPb	12.98991203	1.205596924	342	464.5
13#26SbPb	26	Irregular	SbPb	8.778570175	1.214825988	264	754.5
13#26SbPb	26	Irregular	SbPb	6.346669197	1.64367044	424	0.5
13#27SbPb	27	Cluster	SbPb	34.99565125	3.333996534	1016.5	602.5
13#28SbPb	28	Irregular	SbPb	1.898069263	2.549484253	2	423.5
13#28SbPb	28	Irregular	SbPb	10.20212269	1.23627615	1006.5	649.5
13#29SbPb	29	Cluster	SbPb	3.26230669	1.936323881	285.5	441.5
13#30SbPb	30	Cluster	SbPb	4.685858727	1.671895981	350	605.5
13#31SbPb	31	Irregular	SbPb	8.837884903	1.370380282	331	216.5
13#32SbPb	32	Irregular	SbPb	9.668290138	1.185834646	518.5	254.5
13#33SbPb	33	Cluster	SbPb	4.152026653	1.450519681	493	220.5
13#34SbBaPb	34	Cluster	SbBaPb	32.44512177	1.37468648	875.5	244.5
11#1SbPb	1	Irregular	SbPb	3.974082708	1.716422319	242.5	198.5
11#2SbPb	2	Sphere	SbPb	7.177074432	1.191199899	616.5	696.5
11#3SbPb	3	Cluster	SbPb	20.93807793	1.277246237	302	431.5
11#4SbPb	4	Cluster	SbPb	6.821186543	1.347836375	891.5	459.5

11#5Pb	5	Irregular	Pb	5.279005051	1.409574389	689	123.5
11#6SbPb	6	Irregular	SbPb	4.863802433	2.611552954	982.5	764.5
11#7SbPb	7	Irregular	SbPb	2.847104073	2.411642551	142	43.5
11#8SbPb	8	Irregular	SbPb	15.24386883	1.208099842	960.5	222.5
11#9Pb	9	Cluster	Pb	4.389285088	1.503851414	301.5	523.5
11#10SbPb	10	Cluster	SbPb	16.43016243	1.15285933	409.5	370.5
11#11SbPb	11	Irregular	SbPb	13.4644289	1.823319197	186.5	247.5
11#12SbPb	12	Cluster	SbPb	14.76935196	1.19105804	51.5	647.5
11#13SbPb	13	Irregular	SbPb	4.567229271	1.669829369	987.5	676.5
11#14SbPb	14	Irregular	SbPb	21.47190857	1.578561783	761	590.5
11#15SbPb	15	Irregular	SbPb	4.270656109	1.391521215	781	6.5
11#16Pb	16	Irregular	Pb	2.313271999	2.135053158	554	289.5
11#17Pb	17	Irregular	Pb	4.507914543	1.389141917	744.5	675.5
11#18SbPb	18	Cluster	SbPb	9.19377327	1.237060785	880.5	452.5
11#19SbPb	19	Sphere	SbPb	12.27813625	1.149956226	828.5	196.5
11#20Pb	20	Irregular	Pb	5.2196908	1.276205778	20	74.5
11#21SbPb	21	Cluster	SbPb	4.211341381	1.505719662	915.5	728.5
11#22SbPb	22	Irregular	SbPb	13.99826145	1.57786572	792.5	329.5
11#23SbPb	23	Irregular	SbPb	5.2196908	1.249885798	501.5	479.5
11#24SbPb	24	Cluster	SbPb	124.916687	1.31396544	514.5	456.5
11#25SbPb	25	Cluster	SbPb	4.092711926	1.901841164	154.5	726.5
11#26SbPb	26	Irregular	SbPb	7.23638916	1.181958437	258.5	378.5
11#27SbBaPb	27	Cluster	SbBaPb	2.6098454	2.073683977	620	19.5
11#28SbPb	28	Cluster	SbPb	6.88050127	1.518172383	160	65.5
11#29SbBaPb	29	Irregular	SbBaPb	6.228039742	1.608392835	373.5	491.5
11#30SbPb	30	Cluster	SbPb	110.6811676	1.664873958	881	352.5
11#31SbBaPb	31	Cluster	SbBaPb	8.837884903	1.341320634	38.5	108.5
11#32SbPb	32	Irregular	SbPb	5.338319778	1.261721969	336	635.5
11#33SbPb	33	Irregular	SbPb	10.14280796	1.414615273	1000	135.5
11#34SbPb	34	Cluster	SbPb	7.117759705	1.382752895	361	359.5
11#35SbPb	35	Cluster	SbPb	7.532962322	1.363636374	1018.5	49.5
11#36SbPb	36	Irregular	SbPb	9.668290138	1.228903055	223	4.5
11#37SbPb	37	Cluster	SbPb	20.4635601	1.131668925	260	349.5

11#38SbPb	38	Cluster	SbPb	23.2513485	1.549585938	574	130.5
11#39Pb	39	Irregular	Pb	4.033397198	1.561398149	760.5	237.5
11#40SbPb	40	Irregular	SbPb	8.007479668	1.315463185	608.5	276.5
2#1SbPb	1	Irregular	SbPb	9.846234322	1.704901457	414	197.5
12#1SbPb	1	Cluster	SbPb	7.59227705	1.31393683	162	72.5
12#2SbPb	2	Cluster	SbPb	29.7166481	1.260733008	376.5	139.5
12#3SbBaPb	3	Irregular	SbBaPb	4.329970837	1.562363744	412.5	447.5
12#4SbPb	4	Irregular	SbPb	6.702557087	1.261655807	412.5	209.5
12#5Pb	5	Irregular	Pb	7.888850689	1.218850493	730.5	236.5
12#6SbBaPb	6	Cluster	SbBaPb	5.516263962	1.262346745	461	460.5
12#7SbBaPb	7	Cluster	SbBaPb	11.09184265	1.392286897	139.5	233.5
12#8SbPb	8	Cluster	SbPb	13.879632	1.605167985	970.5	158.5
12#9SbPb	9	Irregular	SbPb	20.8787632	1.818458676	434.5	115.5
12#10SbPb	10	Cluster	SbPb	15.71838665	1.414467812	858.5	95.5
12#11SbBaPb	11	Cluster	SbBaPb	103.9192963	1.182005882	966.5	706.5
12#12Pb	12	Irregular	Pb	5.990781307	1.223035932	192.5	280.5
12#13SbPb	13	Cluster	SbPb	83.39642334	1.959089398	461	397.5
3#1Pb	1	Cluster	Pb	7.829535961	1.483026624	901.5	449.5
15#1SbBaPb	1	Cluster	SbBaPb	12.27813625	1.386523604	408.5	203.5
15#2SbPb	2	Irregular	SbPb	16.90468025	1.389012218	895.5	244.5
15#3Pb	3	Cluster	Pb	4.626543999	1.517371416	198	20.5
15#4SbBaPb	4	Cluster	SbBaPb	11.98156261	1.377963066	921	605.5
15#5SbPb	5	Cluster	SbPb	6.643242359	1.298127413	923.5	659.5
15#6Pb	6	Cluster	Pb	17.20125389	1.216333747	531.5	621.5
15#7SbPb	7	Irregular	SbPb	9.490346909	1.213822007	240.5	56.5
15#8SbPb	8	Irregular	SbPb	7.414333344	1.22629106	63.5	29.5
15#9Pb	9	Cluster	Pb	4.982431889	2.02721262	283.5	360.5
15#10Pb	10	Cluster	Pb	9.846234322	1.271737218	29	751.5
15#11SbPb	11	Irregular	SbPb	9.371717453	1.239905953	114.5	121.5
15#12Pb	12	Irregular	Pb	9.905549049	1.299654603	972	125.5
15#13SbPb	13	Irregular	SbPb	4.804487705	1.399987817	939	306.5
15#14SbPb	14	Irregular	SbPb	5.812837124	1.276208162	682	689.5
15#15Pb	15	Cluster	Pb	8.066794395	1.816753268	755	71.5

15#16SbPb	16	Cluster	SbPb	3.440250635	1.591570735	286	423.5
15#17SbPb	17	Cluster	SbPb	50.47677994	1.41411674	529.5	364.5
15#18SbPb	18	Irregular	SbPb	6.939815998	1.184366822	725	268.5
15#19Pb	19	Cluster	Pb	3.499565363	1.658967733	309	120.5
15#20SbPb	20	Cluster	SbPb	2.6098454	2.139138699	49	250.5
15#21Pb	21	Cluster	Pb	4.448599815	1.517368197	239.5	248.5
15#22Pb	22	Irregular	Pb	28.35240936	1.543871641	230	406.5
15#23SbPb	23	Cluster	SbPb	5.634893417	1.260468721	931	495.5
15#24SbPb	24	Cluster	SbPb	5.2196908	1.438052297	307	169.5
15#25SbPb	25	Cluster	SbPb	4.685858727	1.658419967	43.5	653.5
15#26Pb	26	Cluster	Pb	3.26230669	1.792435527	939	470.5
15#27SbPb	27	Cluster	SbPb	26.86954308	1.753715277	103.5	275.5
15#28SbPb	28	Irregular	SbPb	2.491215944	2.2228899	507.5	681.5
15#29Pb	29	Cluster	Pb	3.440250635	1.538724303	878.5	387.5
15#30Pb	30	Irregular	Pb	3.796138525	1.588219047	561	645.5
15#31SbPb	31	Irregular	SbPb	1.66081059	3.67818284	198.5	16.5
15#32SbPb	32	Irregular	SbPb	7.651591778	1.268367529	800.5	126.5
15#33SbPb	33	Cluster	SbPb	6.583928108	1.387360096	21.5	34.5
15#34Pb	34	Cluster	Pb	1.3049227	3.043081999	309.5	346.5
15#35Pb	35	Irregular	Pb	2.194642544	2.222817421	519.5	598.5
15#36SbPb	36	Cluster	SbPb	10.67663956	1.269968152	601.5	485.5
15#37BaS	37	Cluster	BaS	9.964863777	1.338823438	973	601.5
15#38SbPb	38	Irregular	SbPb	7.177074432	1.154818535	771.5	91.5
15#39SbBaPb	39	Irregular	SbBaPb	12.57470894	1.613271594	567.5	263.5
15#40Pb	40	Irregular	Pb	17.97234344	1.153686285	847	626.5
15#41SbBaPb	41	Cluster	SbBaPb	6.228039742	1.182064772	668	88.5
15#42SbPb	42	Irregular	SbPb	22.53957367	1.719866037	250	664.5
15#43SbPb	43	Cluster	SbPb	146.8038025	1.296200156	438.5	452.5
4#1Pb	1	Cluster	Pb	2.550530672	2.327115059	369.5	631.5
16#1SbBaPb	1	Irregular	SbBaPb	10.38006687	1.328547835	7	162.5
16#1SbBaPb	1	Irregular	SbBaPb	7.532962322	1.387650967	1018.5	400.5
16#2Ba	2	Irregular	Ba	6.939815998	1.55829072	325.5	588.5
16#3SbBaPb	3	Cluster	SbBaPb	45.19777679	1.27197206	893	18.5

16#4Pb	4	Cluster	Pb	1.601495981	2.290739298	528	427.5
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Appendix F

Unique	Breadth (μm)	Direction (degrees)	ECD (μm)	Length (μm)	Perimeter (μm)	Shape	Mean grey	Spectrum Area
9#1SbPb	1.712031603	14.10680294	2.299244404	3.012495518	7.556753635	1.094462514	64.2857132	32643
9#2SbPb	3.792087793	150.9427948	3.905816078	4.470847607	12.53403187	1.043418765	80.57920837	40132
9#3SbPb	1.71443975	32.44564438	2.33185935	3.175448418	8.153801918	1.238842845	67.68055725	35959
9#4SbPb	1.227355123	21.16020393	1.884017944	2.622906208	6.250607491	1.115257144	61.48936081	33300
9#5SbPb	1.960393906	157.9961853	2.607097864	3.934582233	9.268667221	1.280620575	77.45555878	38524
9#6SbPb	2.443866253	160.8175507	2.882255316	3.620446682	9.324691772	1.060485482	68.8181839	40791
9#7SbPb	4.140282631	131.1932526	4.362509251	4.834189415	13.8633852	1.023213983	88.74206543	19589
9#8SbPb	17.70892334	43.73108673	22.82265854	31.70230675	122.2662354	2.907912016	116.0498734	49345
9#9SbPb	4.525553703	18.3388443	4.728048801	5.391116619	15.09029865	1.032125235	86.80743408	42578
9#10SbPb	9.881124496	26.80292511	8.184608459	12.85255241	60.00184631	5.445453167	104.1623459	48974
9#11SbPb	2.922552347	55.01652908	3.365748882	4.189930916	10.92455673	1.067443252	73.77999878	40085
9#12SbBaPb	5.621529579	33.85632324	6.444918633	8.781139374	22.95038223	1.284829617	83.37272644	50721
9#13BaCuSr	4.39341259	157.9961853	4.815099716	5.788967609	15.5520916	1.05698216	63.16286469	40019
9#14SbBaPb	2.682588816	165.0495911	3.035400629	3.780849934	10.1130209	1.124683619	61.65573883	36110
9#15SbPb	2.68379283	32.44564438	3.145370007	4.595082283	10.90135002	1.217075944	75.94656372	42173
7#1SbPb	1.953169584	32.44564438	2.395757675	3.175451994	7.827265263	1.081520915	62.46052551	30161
7#2Pb	1.468500495	23.98156357	2.038062334	2.942682981	6.903680325	1.162591338	56.83636475	11315
7#3SbBaPb	2.441450834	163.638916	2.869124174	3.545999765	9.189435005	1.039392471	66.5871582	26539
7#4SbPb	4.875677109	16.92816162	7.595962048	11.94347668	34.19186401	2.052960634	110.79319	61070
5#1SbPb	2.868786097	32.44564438	3.096976757	4.053359985	10.24827671	1.109497666	75.40944672	35034
5#2SbBaPb	3.582296133	56.42721176	3.758001089	4.390580654	11.88095856	1.012720942	71.12299347	42328
10#1Pb	2.922552347	141.0680237	2.997847795	3.461374044	9.5952034	1.037982106	30.67226982	30611
10#2Pb	1.217730165	77.5874176	1.602416992	2.245383263	5.383046627	1.1434201	28.8235302	24207
8#1SbPb	5.788231373	36.6776886	7.19252491	11.1548357	26.31818581	1.356593609	74.31824493	41632
8#2Pb	3.172088861	11.2854414	3.778043985	4.967378616	12.860569	1.174050927	24.74603081	31085
6#1SbPb	3.173292875	162.2282257	3.365748882	4.082458019	10.82211876	1.047518492	44.50666809	35955
6#2SbBaPb	3.653190374	69.12332916	4.6637187	6.014920712	15.84581184	1.169674158	50.48263931	31263
1#1SbBaPb	5.158838272	39.49904633	5.564524174	6.579994202	18.26682281	1.091869235	43.79512024	33843
1#2BaPb	5.113857269	22.5708828	6.714648247	10.58481312	27.40023422	1.687184691	27.71356773	27025

1#3SbPb	5.368793488	148.1214294	5.482487202	6.350569725	17.99631119	1.091722608	48.90452194	32417
1#4SbPb	1.234586835	177.7457123	2.457995653	5.606805801	11.57763004	2.247904062	40.76250076	52041
1#5Pb	2.443867207	167.8709564	2.855932713	3.487060547	9.189435005	1.049016476	45.44444275	32567
1#6Pb	1.217730165	100.1582947	1.863867402	2.962645531	6.633168221	1.283254027	37.58695602	23833
1#6SbPb	3.657962084	38.08836746	3.847371578	4.33621645	12.20749569	1.020059466	61.42856979	38150
1#4SbPb	2.465561152	166.4602661	3.614590883	7.028898239	15.51927471	1.867777705	62.05780411	33921
1#7SbPb	4.394620419	159.4068756	4.767814159	5.472947598	15.16953087	1.025666595	71.83388519	43794
1#8SbPb	2.757104397	153.7641449	3.072494507	3.812036276	9.707252502	1.011372209	33.38399887	21943
1#9SbPb	5.521362782	118.497139	5.810183525	6.647510052	18.89668846	1.071747065	75.79194641	43439
1#10SbPb	7.017615795	59.24856949	7.033261299	7.977440357	29.4715004	1.779064298	88.78167725	44679
1#11SbPb	1.713235736	153.7641449	2.146352291	2.722879887	6.768424511	1.007566571	30.16393471	30724
1#12SbPb	7.072392941	146.7107544	7.187273026	8.106452942	33.93096542	2.25821209	96.70175171	45922
1#13SbPb	1.710827589	33.85632324	2.110872984	2.634344816	6.903680325	1.083771586	26.52542305	30385
1#14Pb	1.235792756	2.82136035	2.457995653	5.120254517	10.6540451	1.903563976	46.73749924	11056
1#15SbPb	3.780337095	150.9427948	4.149573803	5.01491642	13.26633644	1.03560853	64.48245239	29380
1#16SbPb	4.166741848	9.874761581	5.919637203	11.85115147	29.82124519	2.571354628	93.52801514	61831
1#16SbPb	2.203939438	4.232040405	3.476130724	7.079527855	15.51927471	2.019534588	72.24375153	40015
1#17BaS	1.468492985	143.8893738	1.694056511	2.094958067	5.518302917	1.07511735	16.92105293	26189
1#18SbPb	9.020730972	5.642720699	13.73236561	20.30794716	56.26507568	1.700935006	99.04004669	46996
1#19SbBaPb	1.226151109	156.5855103	1.716202021	2.398539543	5.788815022	1.152771354	23	26715
1#20SbPb	3.661574125	16.92816162	4.614882469	5.855242252	15.11350727	1.08670032	71.30142212	40450
1#21SbPb	3.175067186	142.4786987	3.343235254	4.335947037	11.03660583	1.104174614	41.03378296	39474
1#22SbPb	2.201531887	16.92816162	2.748122454	3.312576771	8.806875229	1.040571928	43.24000168	31225
1#23SbPb	13.60947227	142.4786987	14.75309372	17.19545746	55.27186966	1.422141314	95.46946716	48145
1#24SbBaPb	12.56103802	118.497139	13.96684456	17.76542282	48.34498215	1.213966846	75.74797058	36446
13#1Pb	1.713238001	157.9961853	2.092907906	2.623054981	6.768424511	1.059682012	29.67241287	21376
13#2SbBaPb	3.533372164	126.9612198	3.934712648	4.870920658	12.88377571	1.086327672	28.85365868	34968
13#3Pb	2.957291603	21.16020393	3.778043985	5.472932816	12.99582481	1.198876143	41.7142868	23767
13#4SbPb	3.172088861	18.3388443	3.410330296	3.850796461	10.90135002	1.035304904	57.22077942	36947
13#5SbPb	2.203939915	143.8893738	2.442584753	3.312576771	8.018545151	1.09192431	31.46835518	32860
13#6SbPb	3.659166098	159.4068756	4.113013268	4.931324005	13.26633644	1.054101467	67.07142639	41403
13#7SbBaPb	2.197904825	47.96312714	2.411467791	2.932612181	7.827265263	1.0674752	30.25974083	24262
13#8SbPb	2.15744257	28.21360588	2.315609217	3.051549673	7.61277771	1.095106483	29.73239517	20673

13#9SbPb	4.640566826	138.2466583	5.014853001	5.865350723	18.18759155	1.33270669	78.54354095	34531
13#10Pb	2.447483063	146.7107544	3.096976757	4.053233624	10.19225216	1.097400188	22.43307114	21842
13#11SbBa	0.980204344	21.16020393	1.374061227	2.080739737	4.72997427	1.200621009	23.47999954	16544
13#12SbPb	1.224946976	29.62428474	1.759657025	2.507335663	5.788815022	1.096538544	27.19512177	22891
13#13Pb	1.244219303	170.6923065	2.395757675	6.166051865	13.75133705	3.338140726	11.59210491	42371
13#13Pb	1.232178807	2.82136035	1.981699347	4.39050293	9.403923035	2.281619549	11.90384579	26441
13#14SbPb	5.067574024	160.8175507	5.731664181	6.700823307	18.49092102	1.054523349	61.36551666	33531
13#15Ba	2.199108839	32.44564438	2.650193453	3.175455809	8.345082283	1.004631281	28.09677505	30643
13#16SbPb	3.906331539	162.2282257	4.140464306	4.620640755	12.99582481	0.99818325	57.15418625	47984
13#17SbPb	1.957985759	149.5321045	2.315609217	2.840096951	7.365472794	1.025112033	30.59154892	24571
13#18SbPb	2.920433998	146.7107544	3.915472031	5.80941391	13.56966591	1.216944218	41.69458008	24327
13#19BaS	3.174496889	16.92816162	3.614590883	4.315450191	11.41916656	1.011232853	34.15028763	33509
13#19Ba	2.197912216	29.62428474	2.621541739	3.383244276	8.998155594	1.193696737	12.91208744	42330
13#20SbPb	2.201531887	157.9961853	2.607097864	3.165904999	8.209826469	1.004740477	38.6222229	29168
13#21Pb	1.229766965	153.7641449	1.863867402	2.722887278	6.385863304	1.189350486	27.39130402	20240
13#22Pb	3.166098356	124.1398621	3.169289589	3.512360573	9.977765083	1.004253387	47.65413666	22801
13#23SbPb	5.114466667	67.71264648	5.698628426	6.557444096	18.05233383	1.016779304	77.91860199	38418
13#24SbPb	3.632974148	47.96312714	4.275075436	5.521255016	13.78415394	1.053351402	66.86363983	27104
13#25SbPb	3.901508093	21.16020393	4.066850185	4.703646183	12.99582481	1.034646511	64.78538513	36683
13#26SbPb	3.169680834	35.26700592	3.343235254	3.850610733	10.57481384	1.013706207	52.2297287	32496
13#26SbPb	2.20273447	19.74952316	2.842679977	3.620569468	9.403923035	1.108824492	57.90654373	32450
13#27SbPb	3.653190374	101.5689774	6.67516613	12.17972374	31.25303841	2.221063137	97.37287903	67380
13#28SbPb	0.974184096	101.5689774	1.554572821	2.483666897	5.518302917	1.276701808	28.5	21821
13#28SbPb	3.445955515	149.5321045	3.604129076	4.260152817	11.41916656	1.017112017	57.4825592	32280
13#29SbPb	1.472105145	159.4068756	2.038062334	2.85047245	6.903680325	1.162591338	27.32727242	16241
13#30SbPb	1.954358697	26.80292511	2.442584753	3.267484665	7.883289814	1.055398107	28.35443115	12772
13#31SbPb	2.93095088	166.4602661	3.354511023	4.016517639	10.63083744	1.01759994	37.31543732	19161
13#32SbPb	3.418042898	146.7107544	3.508568048	4.053233624	11.2278862	1.037616491	56.91411209	33072
13#33SbPb	1.957985759	149.5321045	2.299244404	2.840096951	7.365472794	1.039756417	29.12857056	13987
13#34SbBaPb	5.560144901	112.8544235	6.427317619	7.643456459	20.99116325	1.080722332	44.11151886	38213
11#1SbPb	1.714443445	155.1748352	2.249435186	2.942708969	7.500729084	1.126576185	27.37313461	27969
11#2SbPb	2.927338839	167.8709564	3.022934675	3.487045765	9.977765083	1.103848815	44.37190247	34649
11#3SbPb	4.736207485	49.373806	5.163253784	6.049303055	17.5345192	1.16853416	74.12464905	40132

11#4SbPb	2.686208248	42.32040787	2.947033167	3.620569468	9.5952034	1.074085832	41.06956482	19639
11#5Pb	2.199120045	45.14176559	2.592573643	3.099823236	8.345082283	1.04978323	31.76404572	23069
11#6SbPb	1.474520683	18.3388443	2.488530874	3.85078907	8.886106491	1.291925907	40.64634323	33086
11#7SbPb	1.228562951	170.6923065	1.903955221	2.962854624	6.903680325	1.332135797	29.02083397	25207
11#8SbPb	4.151078224	150.9427948	4.405575752	5.01491642	13.91940975	1.011432648	69.75875854	40419
11#9Pb	1.956781745	155.1748352	2.364024401	2.942708969	7.692009449	1.072695136	28.94594574	34594
11#10SbPb	4.395831585	125.5505371	4.573787689	5.067775726	14.38120174	1.001703143	74.27075958	34466
11#11SbPb	3.166395664	28.21360588	4.140464306	5.773349762	14.43722725	1.231884837	45.53744507	32092
11#12SbPb	4.140282631	146.7107544	4.336464405	4.931316376	13.72812843	1.015434146	63.93172836	37695
11#13SbPb	1.956781745	26.80292511	2.411467791	3.267491579	8.153801918	1.158398509	27.79220772	27995
11#14SbPb	4.303260803	165.0495911	5.22865963	6.792963028	17.39926147	1.121970534	76.96685028	42236
11#15SbPb	1.95678103	26.80292511	2.33185935	2.722902298	7.23021698	0.974088848	30.41666603	27512
11#16Pb	1.228566647	157.9961853	1.716202021	2.623054981	6.250607491	1.344027877	23.7435894	11570
11#17Pb	2.196715593	28.21360588	2.395757675	3.051549673	8.074570656	1.150942564	27.71052551	16450
11#18SbPb	3.174496889	29.62428474	3.42138505	3.927045822	10.76609325	1.003258944	43.49032211	28826
11#19SbPb	3.905123949	139.6573334	3.953859806	4.490721703	12.8045435	1.062640309	58.51207733	41572
11#20Pb	2.443866253	141.0680237	2.577967405	3.118876219	8.536363602	1.110942364	29.54545403	26409
11#21SbPb	1.954373598	155.1748352	2.315609217	2.942738771	7.556753635	1.079047561	29.07042313	26971
11#22SbPb	3.600063324	31.03496552	4.221745968	5.680416584	13.9754343	1.110317111	54.68643951	40258
11#23SbPb	2.441450834	150.9427948	2.577967405	3.051534653	8.209826469	1.027575493	34.75	26505
11#24SbPb	11.86775494	50.78448868	12.61145782	15.59382057	44.9115448	1.284949541	96.41500854	41835
11#25SbPb	1.71805191	153.7641449	2.282762051	3.267461777	7.692009449	1.150426626	27.89855003	25217
11#26SbPb	2.928542852	39.49904633	3.035400629	3.461416006	9.786483765	1.053226948	42.27869034	37228
11#27SbBaPb	1.226151586	163.638916	1.822898269	2.5426507	6.250607491	1.191297412	24.27272797	19358
11#28SbPb	2.448687077	148.1214294	2.959818602	3.717529297	9.5952034	1.064826369	37.07758713	35260
11#29SbBaPb	2.44628191	157.9961853	2.815987587	3.934582233	9.380716324	1.124374866	30.50476265	25144
11#30SbPb	9.983172417	128.3719025	11.87112617	16.62072372	40.26079941	1.165417671	86.9196167	57302
11#31SbBaPb	2.93336463	157.9961853	3.354511023	3.934582233	10.57481384	1.006902814	39.68456268	28528
11#32SbPb	2.441450834	162.2282257	2.607097864	3.080432177	8.536363602	1.086254716	36.41110992	29038
11#33SbPb	3.174496889	40.909729	3.593636513	4.490692139	11.63365364	1.061853409	62.84210587	35019
11#34SbPb	2.682588816	22.5708828	3.010417461	3.709357262	9.786483765	1.070780754	36.94166565	28497
11#35SbPb	2.679006338	126.9612198	3.096976757	3.653190374	9.865715027	1.028210163	41.40157318	33063
11#36SbPb	3.409644365	125.5505371	3.508568048	4.190122604	11.49839878	1.08821702	57.54601288	35041

11#37SbPb	4.968485832	162.2282257	5.104411125	5.622681618	16.47567749	1.055591464	71.12174225	41702
11#38SbPb	4.38382864	104.3903427	5.44100523	6.793118954	18.84066391	1.214883924	72.79592133	39708
11#39Pb	1.954369903	28.21360588	2.266160011	3.051549673	7.748033524	1.184411168	27.86764717	27728
11#40SbPb	2.927331448	18.3388443	3.193029881	3.850796461	10.30430126	1.055192709	38.3777771	25832
2#1SbPb	2.874787807	26.80292511	3.540708303	4.901229858	12.01621532	1.166959286	45.6204834	32173
12#1SbPb	2.930596113	124.1398621	3.109145641	3.850618124	9.977765083	1.043482065	39.5546875	28489
12#2SbPb	5.811417103	111.4437408	6.151130676	7.326645374	25.12408829	1.690329194	82.15568542	41766
12#3SbBaPb	1.953162074	28.21360588	2.34799695	3.051549673	7.556753635	1.049484611	27.28767204	32151
12#4SbPb	2.6886127	159.4068756	2.921294212	3.392103672	9.189435005	1.002599835	41.72566223	32740
12#5Pb	3.05002594	148.1214294	3.169289589	3.717525482	10.16904545	1.043126822	41.63158035	25155
12#6SbBaPb	2.440254211	162.2282257	2.650193453	3.080446959	8.401106834	1.018165708	30.45161247	25428
12#7SbBaPb	3.364752531	62.06993103	3.758001089	4.684700966	12.15147209	1.059362411	36.15507889	29929
12#8SbPb	3.422859192	167.8709564	4.203819275	5.494264126	14.18992233	1.154443145	83.3162384	34688
12#9SbPb	4.312841415	53.60585022	5.155934811	7.842723846	18.64938354	1.325606823	71.32386017	43027
12#10SbPb	3.963866234	145.3000793	4.473619461	5.606761456	14.43722725	1.055237174	57.36603928	30468
12#11SbBaPb	11.15304852	101.5689774	11.50278854	13.18296909	51.0925293	1.998983145	92.46746826	52617
12#12Pb	2.679006338	42.32040787	2.761828899	3.276520967	8.671618462	0.998866379	42.4455452	13823
12#13SbPb	8.280565262	81.81945801	10.3045435	16.22236633	48.15370178	2.212597609	55.10170746	56786
3#1Pb	2.69343996	142.4786987	3.157352448	3.994443178	10.57481384	1.136579752	23.09848404	27937
15#1SbBaPb	3.620903969	129.7825775	3.953859806	5.020468712	13.21031189	1.131056309	31.44444466	24338
15#2SbPb	4.138112068	53.60585022	4.639364719	5.747888565	15.09029865	1.071961641	62.03157806	27582
15#3Pb	1.95919168	35.26700592	2.427076101	2.972821474	7.771241188	1.038758397	32.30769348	11351
15#4SbBaPb	3.556865931	26.80292511	3.905816078	4.901229858	12.99582481	1.121720791	39.53960419	30247
15#5SbPb	2.686200857	155.1748352	2.9083395	3.487030745	9.651228905	1.115772367	33.7678566	24511
15#6Pb	4.395824432	149.5321045	4.679883957	5.34678936	15.30478668	1.083639979	54.98965454	13042
15#7SbPb	3.416834354	139.6573334	3.476130724	4.147428513	11.36314201	1.082692981	44.98749924	22144
15#8SbPb	2.932158709	152.3534698	3.072494507	3.595679998	9.786483765	1.027949452	35.9280014	23014
15#9Pb	1.955577612	11.2854414	2.518695831	3.964371443	9.324691772	1.388730884	44.15476227	21784
15#10Pb	3.409644365	128.3719025	3.540708303	4.336171627	11.30711842	1.033294678	44.04216766	9539
15#11SbPb	3.173290968	157.9961853	3.454336643	3.934582233	11.03660583	1.034290075	41.48101425	29875
15#12Pb	3.378264666	56.42721176	3.551357031	4.390577316	11.49839878	1.062151909	32.13173676	21652
15#13SbPb	2.200327635	162.2282257	2.473310232	3.080432177	8.074570656	1.079896688	34.83950806	21760
15#14SbPb	2.443858862	141.0680237	2.720502615	3.118872643	8.806875229	1.06180799	35.30612183	22073

15#15Pb	2.446278095	170.6923065	3.204833984	4.444283962	11.03660583	1.201601744	61.31617737	25925
15#16SbPb	1.710827589	26.80292511	2.092907906	2.722903252	6.633168221	1.017753243	30.67241287	11928
15#17SbPb	7.079624653	162.2282257	8.016797066	10.01141548	26.18292999	1.080775023	54.3995285	31019
15#18SbPb	2.922552347	141.0680237	2.972548962	3.461374044	9.45994854	1.026171803	41.1709404	27739
15#19Pb	1.71203351	31.03496552	2.110872984	2.840208292	6.903680325	1.083771586	29.76271248	17944
15#20SbPb	1.226151109	21.16020393	1.822898269	2.622907162	6.115351677	1.140298605	27.95454597	20303
15#21Pb	1.959193587	145.3000793	2.379943848	2.972817898	7.556753635	1.021498322	33.41333389	22636
15#22Pb	5.250710487	57.83789063	6.00827837	8.106422424	26.39741898	1.955795407	80.78033447	37189
15#23SbPb	2.443866253	162.2282257	2.678538561	3.080417156	8.536363602	1.029083371	34.8105278	25055
15#24SbPb	2.201528072	157.9961853	2.577967405	3.16591239	8.345082283	1.061712623	38.125	25279
15#25SbPb	1.959189773	166.4602661	2.442584753	3.249159575	7.939313889	1.070452213	27.65822792	21319
15#26Pb	1.469697118	33.85632324	2.038062334	2.634337425	6.71239996	1.099059939	30.41818237	20462
15#27SbPb	4.666245937	53.60585022	5.849048138	8.18326664	20.28206635	1.218301058	71.60926819	33443
15#28SbPb	1.224939585	26.80292511	1.780986905	2.722905874	6.115351677	1.194598556	32.1428566	26236
15#29Pb	1.712031603	33.85632324	2.092907906	2.634344816	6.577144146	1.000633717	30.94827652	14786
15#30Pb	1.71443975	26.80292511	2.198498011	2.722905874	7.038936615	1.038634062	30.421875	23302
15#31SbPb	0.740270495	9.874761581	1.45416975	2.722850084	5.788815022	1.605645776	26.1785717	23781
15#32SbPb	2.930952787	148.1214294	3.121267319	3.717525482	9.786483765	0.996075094	45.51937866	22932
15#33SbPb	2.445072174	21.16020393	2.895326853	3.392195702	9.133411407	1.008257627	39.38738632	20124
15#34Pb	0.737862408	12.69612217	1.288983703	2.245375633	4.865230083	1.443485737	30.45454597	8523
15#35Pb	1.224954486	9.874761581	1.671617627	2.722850084	6.306632042	1.44218719	36.40540695	7983
15#36SbPb	3.414423466	38.08836746	3.686993361	4.33620882	12.01621532	1.076195836	54.79444504	31206
15#37BaS	3.176905155	156.5855103	3.56197381	4.253314972	11.09263039	0.982625902	38.19643021	18867
15#38SbPb	2.929746866	59.24856949	3.022934675	3.383326054	9.651228905	1.032781005	42.86776733	29676
15#39SbBaPb	3.198652267	108.6223831	4.001327038	5.16029501	13.26633644	1.113767624	40.77358627	24944
15#40Pb	4.634539127	149.5321045	4.783627987	5.346804619	15.16953087	1.018896461	71.30693054	27163
15#41SbBaPb	2.686206341	148.1214294	2.815987587	3.175269842	8.998155594	1.034537077	34.51428604	17761
15#42SbPb	4.316100597	131.1932526	5.357077122	7.423114777	18.62617683	1.224876285	33.18421173	35463
15#43SbPb	12.1412096	21.16020393	13.67173767	15.73743725	48.72754288	1.287070274	96.14424133	49372
4#1Pb	1.224954486	19.74952316	1.802064538	2.850610018	6.306632042	1.240951777	29.5813961	19532
16#1SbBaPb	3.409644365	125.5505371	3.635424376	4.529875755	11.96019077	1.096646309	48.85142899	24710
16#1SbBaPb	2.679006338	121.3184967	3.096976757	3.717525482	10.00097179	1.056596398	49.76377869	27714
16#2Ba	2.601158857	32.44564438	2.972548962	4.053361893	9.786483765	1.09823668	28.37606812	24186

16#3SbBaPb	7.063696861	122.7291794	7.586013317	8.984825134	24.74152756	1.077770948	48.22834778	33012
16#4Pb	0.980196953	12.69612217	1.427966356	2.245375633	5.056510448	1.270475864	31.59259224	22444